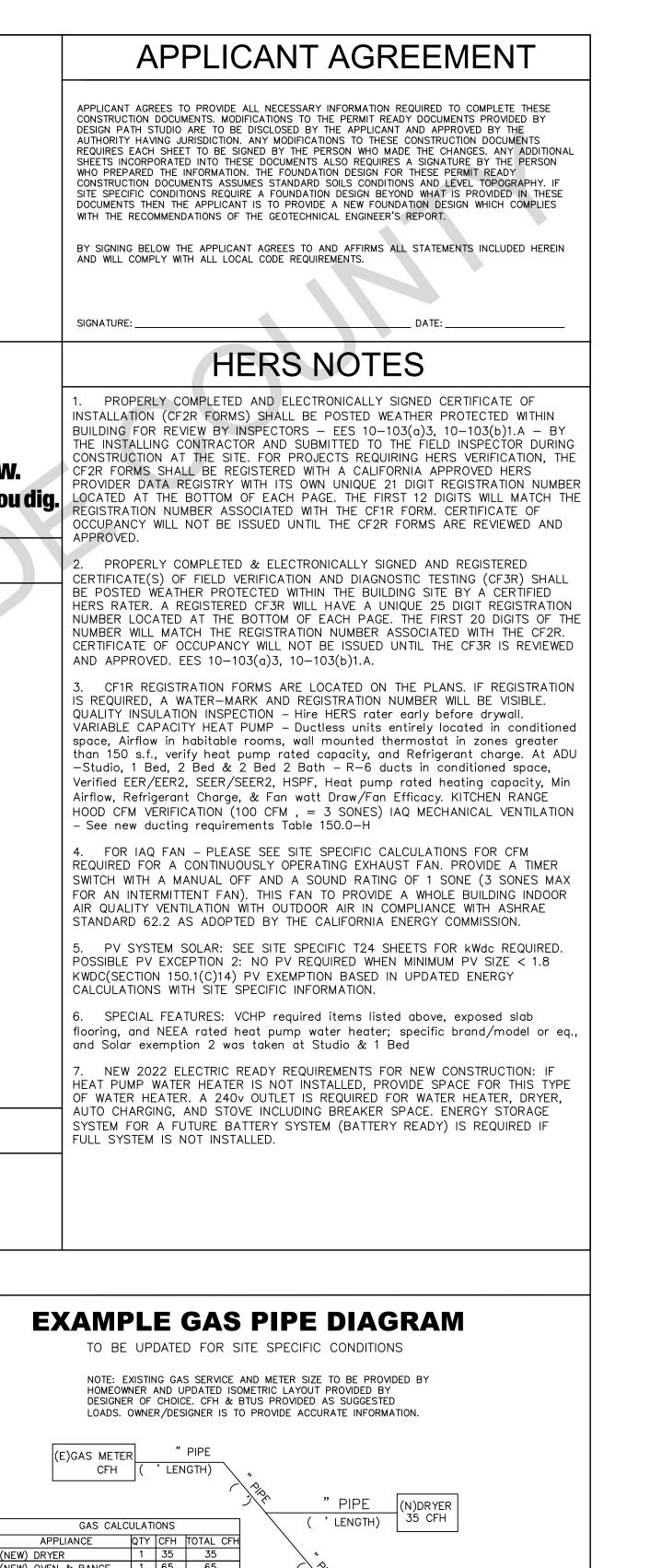
# Accessory Dwelling Unit 1 Bedroom Plan - 625 s.f. Unincorporated County of Riverside, CA

| Image: Section of the section of t             | T1.1       TITLE SHEET         T1.2       EXTERIOR STYLE OPTIONS         AS.1       SITE INFO         AS.2       EXAMPLE SITE PLAN         G0.1       CAL GREEN CHECKLIST         G0.2       GENERAL NOTES         G0.3       GENERAL NOTES         A0.1       SCHEDULES & NOTES                                                      | SERVICES TO THIS DETACHED A                                                                                                                                                                                                                                                                                                                                                                             | ANIES REGARDING GAS, ELECTRIC, WAT<br>ADU. FOR SEPTIC SYSTEMS CONTACT CO<br>EXAMPLE SITE PLAN, SHEET AS.2, FOR N<br>G CALL 811.                                                                                                                                                                                                                                                                       | OUNTY OF RIVERSIDE                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image: Distance of the second of        | A1.2 FLOOR PLAN SPANISH                                                                                                                                                                                                                                                                                                               | ZONING INFORMATION                                                                                                                                                                                                                                                                                                                                                                                      | DIRECTORY                                                                                                                                                                                                                                                                                                                                                                                             | VICINITY MAP                                                                                                                                                                                                                              |
| Algebra Algebra   Algebra </td <td>A1.4 ROOF PLAN CRAFTSMAN<br/>A1.5 ROOF PLAN SPANISH<br/>A1.6 ROOF PLAN TRADITIONAL<br/>A2.1 ELECTRICAL PLAN<br/>A2.2 MECHANICAL/ PLUMBING PLAN<br/>A3.1 EXTERIOR ELEVATIONS CRAFTSMAN</td> <td>PLANNING: PHONE: (760) 863-8277<br/>GIS MAP: https://gis1.countyofriverside.us/Html5Viewer/?viewe<br/>ZONING :</td> <td>er=MMC_Public<br/>COMPANY<br/>CONTACT PERSON<br/>ADDRESS</td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A1.4 ROOF PLAN CRAFTSMAN<br>A1.5 ROOF PLAN SPANISH<br>A1.6 ROOF PLAN TRADITIONAL<br>A2.1 ELECTRICAL PLAN<br>A2.2 MECHANICAL/ PLUMBING PLAN<br>A3.1 EXTERIOR ELEVATIONS CRAFTSMAN                                                                                                                                                      | PLANNING: PHONE: (760) 863-8277<br>GIS MAP: https://gis1.countyofriverside.us/Html5Viewer/?viewe<br>ZONING :                                                                                                                                                                                                                                                                                            | er=MMC_Public<br>COMPANY<br>CONTACT PERSON<br>ADDRESS                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                           |
| <pre></pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <ul> <li>A3.3 EXTERIOR ELEVATIONS TRADITIONAL</li> <li>A4.1 BUILDING SECTIONS CRAFTSMAN</li> <li>A4.2 BUILDING SECTIONS SPANISH</li> <li>A4.3 BUILDING SECTIONS TRADITIONAL</li> <li>A5.1 ARCHITECTURAL WALL FINISH DETAILS</li> <li>A5.2 ARCHITECTURAL ROOF + FINISH DETAILS</li> </ul>                                              | EXISTING HABITABLE SQ. FT. :<br>EXISTING FAR :                                                                                                                                                                                                                                                                                                                                                          | EMAIL PROPERTY OWNER: NAME                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | S2CRAFTSMAN FOUNDATION & FRAMING PLANS3SPANISH FOUNDATION & FRAMING PLANS4TRADITIONAL FOUNDATION & FRAMING PLANS5STRUCTURAL DETAILSS6STRUCTURAL DETAILST24.1EXAMPLE ENERGY CALCS.                                                                                                                                                     | PROPOSED FAR :<br>FLOOR AREA OF GARAGE:                                                                                                                                                                                                                                                                                                                                                                 | PHONE<br>EMAIL                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                           |
| Server Will be for or or represented on or server will be for or server will be                           | T24.3EXAMPLE ENERGY CALCS.T24.4EXAMPLE ENERGY CALCS. CLIMATE ZONE 16 ONLYT24.5EXAMPLE ENERGY CALCS. CLIMATE ZONE 16 ONLYT24.6EXAMPLE ENERGY CALCS. CLIMATE ZONE 16 ONLY                                                                                                                                                               | PROPOSED LOT COVERAGE :<br>LOT SLOPE :                                                                                                                                                                                                                                                                                                                                                                  | RIVERSIDE, CA 92502<br>P. (951)955-1800                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | OVERNING CODES:<br>APPROVAL OF THIS PROJECT SHALL COMPLY WITH THE 2022 CALIF<br>RESIDENTIAL CODE (CRC), 2022 CALIFORNIA MECHANICAL CODE (CN<br>2022 CALIFORNIA PLUBLING CODE (CPC), 2022 CALIFORNIA ELECTR<br>CODE (CEC), 2022 CALIFORNIA ENERGY CODE (CEC), 2022 CALIFO<br>GREEN BUILDING CODE (CGBC), COUNTY OF RIVERSIDE MUNICIPAL | DRNIA     REAR-     REAR-       IC),     SIDE-     SIDE-       ICAL     SIDE-     SIDE-       RNIA     STREET SIDE-     STREET SIDE-                                                                                                                                                                                                                                                                    | NEW CONSTRUCTION OF A ONE STORY, 1 BEDROOM, 1 BATH, DETACHED 625 S.F. ACCI<br>HABITABLE AREA: 625 SQFT.<br>CRAFTSMAN PATIO AREA: 340 SQFT.<br>SPANISH PATIO AREA: 478 SQFT.                                                                                                                                                                                                                           | ESSORY DWELLING UNIT                                                                                                                                                                                                                      |
| COURDED SUPPLEMENTAL INFORMATION - TO DES COMPLETED BY OWNER additional plan information<br>provided by owner: * CORPLETED* ELECTION * CORPLETED* ELECTION * CORPLETED* ELECTION * CORPLETED* ELECTION * CORPLETED* * ELECTION <t< td=""><td>OVERNING AGENCY: COUNTY OF RIVERSIDE, CA.<br/>CCUPANCY GROUP: R3<br/>TORIES: 1</td><td>A DIMENSIONED SITE PLAN DRAWN TO SCALE SHALL BE PROVIDED SHOWING THE FOL<br/>NORTH ARROW, PROPERTY LINES, EASEMENTS, STREETS, EXISTING AND PROPOSED BU<br/>AND STRUCTURES, DIMENSIONED SETBACKS, AND MINIMUM SEPARATION FROM EXISTING<br/>STRUCTURES<br/>IF A GRADING PLAN IS REQUIRED, THE GRADING PLAN SHALL BE SUBMITTED TO<br/>TRANSPORTATION FOR REVIEW AND APPROVAL. SEE SHEET AS.1 FOR FURTHER INFORM</td><td>G</td><td>APN</td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OVERNING AGENCY: COUNTY OF RIVERSIDE, CA.<br>CCUPANCY GROUP: R3<br>TORIES: 1                                                                                                                                                                                                                                                          | A DIMENSIONED SITE PLAN DRAWN TO SCALE SHALL BE PROVIDED SHOWING THE FOL<br>NORTH ARROW, PROPERTY LINES, EASEMENTS, STREETS, EXISTING AND PROPOSED BU<br>AND STRUCTURES, DIMENSIONED SETBACKS, AND MINIMUM SEPARATION FROM EXISTING<br>STRUCTURES<br>IF A GRADING PLAN IS REQUIRED, THE GRADING PLAN SHALL BE SUBMITTED TO<br>TRANSPORTATION FOR REVIEW AND APPROVAL. SEE SHEET AS.1 FOR FURTHER INFORM | G                                                                                                                                                                                                                                                                                                                                                                                                     | APN                                                                                                                                                                                                                                       |
| s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                         | PLEMENTAL INFORMATION - TO                                                                                                                                                                                                                                                                                                                                                                            | BE COMPLETED BY OWNER                                                                                                                                                                                                                     |
| X COMPLETED      watt      true street (11.1) INFORMATION FILLED DUT      true street (11.1) INFORMATION FILLED DUT      watte       watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte      watte | -                                                                                                                                                                                                                                                                                                                                     | window and trim color:                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                       | fire rated details:                                                                                                                                                                                                                       |
| Note                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                           |
| SITE PLAN SHEET (AS 2) PROVIDED IN PLAN SET FOR REVIEW   DARK BRONZE   DARK BRO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                           |
| Image: construction and dewolution form       Image: construction form       Image: constru                                                                                                                                                                                                                                                                                                                                                                                                             | UPDATED SITE SPECIFIC TITLE 24 ENERGY CALCULATION REPORT WITH CORRECT<br>NAME, ADDRESS, AND EXACT ORIENTATION FOR SITE SPECIFIC CONDITIONS. OWNER                                                                                                                                                                                     | DARK BRONZE                                                                                                                                                                                                                                                                                                                                                                                             | FIRE SPRINKLERS: TO BE PROVIDED BY A FIRE SPRINKLER CONTRACTOR FOR THE<br>RESIDENTIAL FIRE SPRINKLER PLANS (WHEN REQUIRED) AND APPROVED BY FIRE DEPT.<br>PHOTOVOLTAIC SYSTEM: THE PV SYSTEM MUST BE INSTALLED, OPERATIONAL, AND FINAL<br>PRIOR TO FINAL BUILDING INSPECTION AND APPROVAL FOR THE ADU. PLANS TO BE                                                                                     | FIRE RATED DETAILS ABOVE ARE TO BE USED WHEN WALLS AND ROOF EAVES ARE LESS<br>THAN 5 FT FROM PROPERTY LINE IN AN UNSPRINKLERED BUILDING OR LESS THAN 3 FT<br>FROM PROPERTY LINE IN SPRINKLERED BUILDINGS PER TABLE R302.1(1) & R302.1(2). |
| In Did Hardwess doelerwent </td <td>—</td> <td>(WINDOW TRIM COLOR FOR THE ADU SHALL MATCH EXISTING DWELLING UNIT WINDOW</td> <td><b>-</b></td> <td>FROM THE MAIN DWELLING UNIT IN AN UNSPRINKLERED BUILIDNG OR LESS THAN 6 FT</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | —                                                                                                                                                                                                                                                                                                                                     | (WINDOW TRIM COLOR FOR THE ADU SHALL MATCH EXISTING DWELLING UNIT WINDOW                                                                                                                                                                                                                                                                                                                                | <b>-</b>                                                                                                                                                                                                                                                                                                                                                                                              | FROM THE MAIN DWELLING UNIT IN AN UNSPRINKLERED BUILIDNG OR LESS THAN 6 FT                                                                                                                                                                |
| X SELECTION MUST MATCH THE EXISTING DWELLING UNIT (HOME)     CRAFTSMAN     CRAFTSMAN     CRAFTSMAN     SPANISH     TRADITIONAL     CRAFTSMAN     CRAFTS |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                       | electrical service information:                                                                                                                                                                                                           |
| x       SELECTION MUST MATCH THE EASTING DWELLING UNIT (HOME)       UPGRADED SERVICE       UPGRADED SERVICE         x       SELECTION MUST MATCH THE EASTING DWELLING UNIT (HOME)       UPGRADED SERVICE       UPGRADED SERVICE         x       CRAFTSMAN       ROOF COLOR OF PRINCIPAL DWELLING UNIT       PROPERTY IS LOCATED IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE       UPGRADED SERVICE       Existing Service to Remain (LOAD CALCS FOR THE EXISTING DWELLING UNIT)         x       SPANISH       ROOF COLOR OF PRINCIPAL DWELLING UNIT       PROPERTY IS NOT LOCATED IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE       UPGRADED SERVICE       Existing Service to Remain (LOAD CALCS FOR THE EXISTING DWELLING UNIT)         x       readitional       ROOF COLOR OF PRINCIPAL DWELLING UNIT TRIM)       PROPERTY IS NOT LOCATED IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE       NEW SERVICE (NEW ADDRESS REQUIRED)         x       readitional       ROOF COLOR OF PRINCIPAL DWELLING UNIT TRIM)       PROPERTY IS NOT LOCATED IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE       NEW SERVICE (NEW ADDRESS REQUIRED)         x       readitional       readitional       ROOF COLOR OF PRINCIPAL DWELLING UNIT TRIM)       NEW SERVICE       NEW SERVICE OF THE FIRE HAZARD SEVERITY ZONE       NEW SERVICE       NEW SERVICE       NEW SERVICE       SIZE OF NEW SERVICE       SIZE OF NEW SERVICE       SIZE OF NEW SERVICE       SIZE OF NEW SERVICE       CONTACT THE RIVERSIDE COUNTY OFFICIENT OF THE ADD SING FRIGHTER TORM THE LOCAL WREAREST FIRE SERVICE PROMINGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                         | EXISTING RESIDENCE DOES <u>NOT</u> CURRENTLY HAVE FIRE SPRINKLERS                                                                                                                                                                                                                                                                                                                                     | X SELECTION                                                                                                                                                                                                                               |
| TRADITIONAL   TRADITIONAL TRIM COLOR OF PRINCIPAL DWELLING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CRAFTSMAN                                                                                                                                                                                                                                                                                                                             | ROOF COLOR OF PRINCIPAL DWELLING UNIT                                                                                                                                                                                                                                                                                                                                                                   | HTTPS://GIS1.COUNTYOFRIVERSIDE.US/HTML5VIEWER/INDEX.HTML?VIEWER=MMC_PUBLIC         PROPERTY IS NOT LOCATED IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE                                                                                                                                                                                                                                                 | EXISTING SERVICE TO REMAIN (LOAD CALCS FOR THE EXISTING DWELLING IS REQUIRED)                                                                                                                                                             |
| exterior wall material:         New ADU IS REQUIRED TO HAVE FIRE SPRINKLERS IF THE EXISTING RESIDENCE HAS FIRE SPRINKLERS IF THE EXISTING RESIDENCE HAS FIRE CONTACT SERVICE PROVIDER, REGARDING ELECTRIC SERVICES TO THIS DETACHED ADU.         New ADU IS REQUIRED TO HAVE FIRE SPRINKLERS IF THE EXISTING RESIDENCE HAS FIRE CONTACT SERVICE PROVIDER, REGARDING ELECTRIC SERVICES TO THIS DETACHED ADU.         See Sheet All LEOR EXTERIOR STYLE OPTIONS         New ADU IS REQUIRED TO HAVE FIRE SPRINKLERS IF THE EXISTING RESIDENCE HAS FIRE CONTACT SERVICE PROVIDER, REGARDING ELECTRIC SERVICES TO THIS DETACHED ADU.         See Sheet All LEOR EXTERIOR STYLE OPTIONS         New ADU IS REQUIRED TO HAVE FIRE SPRINKLERS IF THE EXISTING RESIDENCE HAS FIRE CONTACT SERVICE UPGRADE OR NEW SERVICE WILL REQUIRE A SEPARATE PERMIT FROM SERVICE UPGRADE OR NEW SERVICE WILL REQUIRE A SEPARATE PERMIT FROM SERVICE PROVIDER, NEW ADVECTOR OF CONCRETE TILE ROOF         THE CONTY OF RIVERSIDENTIAL CODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                       | (TRIM COLOR OF ADU SHALL MATCH PRINCIPAL DWELLING UNIT TRIM)                                                                                                                                                                                                                                                                                                                                            | CONTACT THE RIVERSIDE COUNTY OFFICE OF THE FIRE MARSHAL FOR MORE INFORMATION. FIRE<br>SPRINKLERS MAY BE REQUIRED IF THE FIRE FLOW IS INSUFFICIENT, OR THE NEAREST FIRE<br>HYDRANT IS OVER 400 FEET FROM THE FURTHEST POINT ON THE ADU AS MEASURED ALONG                                                                                                                                               | SIZE OF EXISTING SERVICE SIZE OF NEW SERVICE                                                                                                                                                                                              |
| UNIT, PROVIDING THAT ALL OF THE FOLLOWING ARE MET: 2.1 THE UNIT MEETS THE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                       | MINIMUM 2-1/2:12 ROOF SLOPE.<br>COLOR OF CONCRETE TILE ROOF<br>ARCHITECTURAL GRADE SHINGLE - CERTAINTEED - ICC-ES-ESR-1389 & ESR-3537<br>MINIMUM 2:12 ROOF SLOPE.                                                                                                                                                                                                                                       | NEW ADU IS REQUIRED TO HAVE FIRE SPRINKLERS IF THE EXISTING RESIDENCE HAS FIRE<br>SPRINKLERS. IN ORDER FOR THE ADU TO NOT BE EQUIPPED WITH RESIDENTIAL FIRE<br>SPRINKLERS ALL OF THE FOLLOWING HAVE TO BE MET PER THE RESIDENTIAL CODE.<br>"PER THE CALIFORNIA RESIDENTIAL CODE, SECTION R313.2, #2 ACCESSORY DWELLING                                                                                | EXISTING SERVICE UPGRADE OR NEW SERVICE WILL REQUIRE A SEPARATE PERMIT FROM                                                                                                                                                               |
| EXTERIOR WALL COLOR OF PRINCIPAL DWELLING UNIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (EXTERIOR WALL COLOR OF ADU SHALL MATCH PRINCIPAL DWELLING UNIT)                                                                                                                                                                                                                                                                      | WOOD SHAKE - ICC ESR 2867 - MINIMUM 4:12 ROOF SLOPE.                                                                                                                                                                                                                                                                                                                                                    | DEFINITION OF AN ACCESSORY DWELLING UNIT AS DEFINED IN THE GOVERNMENT CODE<br>SECTION 65852.2; 2.2 THE EXISTING PRIMARY RESIDENCE DOES NOT HAVE SPRINKLERS;<br>2.3 THE ACCESSORY DETACHED DWELLING UNIT DOES NOT EXCEED 1,200 SQUARE FEET IN<br>SIZE AND 2.4 THE UNIT IS ON THE SAME LOT AS THE PRIMARY RESIDENCE."<br>IF THE EXISTING HOME IS EQUIPPED WITH RESIDENTIAL FIRE SPRINKLERS THEN THE ADU |                                                                                                                                                                                                                                           |
| WILL BE REQUIRED TO HAVE RESIDENTIAL FIRE SPRINKLERS INSTALLED/ SPRINKLERS INST                           | STONE VENEER / MANUFACTURER COLOR #                                                                                                                                                                                                                                                                                                   | OTHER ROOF MATERIAL / COLOR                                                                                                                                                                                                                                                                                                                                                                             | PLANS WILL BE REQUIRED TO BE SUBMITTED TO THE FIRE DEPARTMENT FOR REVIEW AND APPROVAL.                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                           |
| Image: Piber Cement - Sibing / MANUFACTURER COLOR #       Sewer waste water information:       IOT Size and Impervious area:       Iot Size and Impervious area:         Image: Wood Siding / MANUFACTURER COLOR #       Iot Size and Impervious area:       Iot Size and Impervious area:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                         | Total Lot Size =                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                           |
| X       SELECTION         OTHER       ADU TO HAVE NEW CONNECTION TO EMWD SEWER MAIN         OTHER       Total Area of Existing Impervious Surfaces =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                         | Total Area of Existing Impervious Surfaces =                                                                                                                                                                                                                                                                                                                                                          | PROPANE "FIRE CLEARANCE REQUIRED"                                                                                                                                                                                                         |
| ADU TO CONNECT TO EXISTING RESIDENCE SEWER LATERAL     ADU TO CONNECT TO EXISTING RESIDENCE SEWER LATERAL     SEPTIC - REQUIRES HEALTH DEPARTMENT APPROVAL     SEPTIC - REQUIRES HEALTH DEPARTMENT APPROVAL     SEPTIC - REQUIRES HEALTH DEPARTMENT APPROVAL     SIZE OF EXISTING SERVICE    SIZE OF NEW SERVICE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                       | ADU TO CONNECT TO EXISTING RESIDENCE SEWER LATERAL                                                                                                                                                                                                                                                                                                                                                      | Total Area of New Impervious Surfaces =                                                                                                                                                                                                                                                                                                                                                               | SIZE OF EXISTING SERVICE SIZE OF NEW SERVICE                                                                                                                                                                                              |
| DISTANCE TO CONNECTION       Total Area of Replaced Impervious Surfaces =         (Replacement to building footprint, patios, decks, hardscape, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                           |



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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS:

1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE COUNTY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ANY USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

### project

County of Riverside Pre-Approved ADU Program

revisions

description

# **Title Sheet** 1 Bedroom

| date        | 20 January 2025    |
|-------------|--------------------|
| duic        | 20 3011001 9 2020  |
| project no. | RIVERSIDE ADU      |
|             |                    |
| drawn by    | DESIGN PATH STUDIO |
|             |                    |
| sheet no. 🗕 |                    |
|             |                    |
| •           |                    |

| (E)GAS METER <sup>"</sup> PIPE<br>CFH ( <sup>'</sup> LENGTH)                                                          |            |
|-----------------------------------------------------------------------------------------------------------------------|------------|
| GAS CALCULATIONS                                                                                                      |            |
| APPLIANCE QTY CFH TOTAL CFH                                                                                           |            |
| (NEW) DRYER 1 35 35                                                                                                   |            |
| (NEW) OVEN & RANGE 1 65 65                                                                                            |            |
| <u> </u>                                                                                                              |            |
|                                                                                                                       |            |
| " [                                                                                                                   | N)RANGE    |
|                                                                                                                       | & OVEN     |
| TOTAL GAS LOAD FOR HOUSEHOLD ( 'LENGTH)                                                                               | 65 CFH     |
| 100 CFH                                                                                                               |            |
| PIPE SIZE SCHEDULE 40 METALLIC PIPE 125'<br>LENGTH PER TABLE 1216.2(1) CALIFORNIA<br>PLUMBING CODE<br>SITE TO PROVIDE | E KEPT ON  |
| SIZE ½" ¾" 1" 1¼" 1½" 2" COUNTY OF RIVERSID                                                                           | E BUILDING |
| CFH 44 92 173 355 532 1,020                                                                                           | 1          |

#### site / soils / foundation information PLEASE CHECK THE BOX THAT APPLIES TO YOUR PROJECT SITE

| LEA | SE CHE | CK THE BOX THAT APPLIES TO YOUR PROJECT SITE                                           |
|-----|--------|----------------------------------------------------------------------------------------|
| YES | NO     | QUALIFIER (PROJECT WILL NOT QUALIFY IF ANY OF THE BELOW QUESTIONS HAVE A "YES" ANSWER) |
|     |        | DOES THE PROJECT ABUT SEVERE ASCENDING OR DESCENDING SLOPES EXCEEDING 35%?             |
|     |        | DOES THE PROJECT INCLUDE RETAINING WALLS?                                              |
|     |        | DOES THE SITE CONTAIN ANY KNOWN GEOTECHNICAL HAZARDS?                                  |
|     |        | DOES THE EXISTING DWELLING ON THE SITE HAVE A NON-CONVENTIONAL FOUNDATION?             |
|     |        | DOES THE EXISTING DWELLING FOUNDATION SHOW ANY SIGNS OF DISTRESS?                      |



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 $\cap$  $\square$  $\sim$ C S ш  $\Box$ 

BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE COUNTY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION DERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTION DOCUMENTS FOR USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE CORVENTED AND ARE SUBJECT TO ARE COPYRIGHTED AND ARE SUBJECT TO ARE COPYRIGHTED AND AND ARE SUBJECT TO COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

project

County of Riverside Pre-Approved ADU Program

revisions 

description Exterior Style Options

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
| sheet no. 🗖 | T1.2               |

## ENGINEERING NOTES

# SITE NOTES

- GENERAL: 1. ALL GRADING SHALL CONFORM TO THE CURRENT CALIFORNIA BUILDING CODE (CBC) CHAPTER 17, 18, & APPENDIX-J AS AMENDED ORDINANCE 457
- 2. ALL PROPERTY CORNERS, GRADING BOUNDARIES AND ALL CONSERVATION AREAS/LEAST SENSITIVE AREA (LSA) DETERMINED BY THE ENVIRONMENTAL PROGRAMS DEPARTMENT (EPD) SHALL BE CLEARLY DELINEATED AND STAKED IN THE FIELD PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION/GRADING
- 3. ALL WORK UNDER THIS PERMIT SHALL BE LIMITED TO WORK WITHIN THE PROPERTY LINES. ALL WORK WITHIN THE ROAD RIGHT-OF-WAY WILL REQUIRE SEPARATE PLANS AND A SEPARATE REVIEW-APPROVAL (PERMIT) FROM THE TRANSPORTATION DEPARTMENT
- 4. ALL GRADING SHALL BE DONE UNDER THE SUPERVISION OF SOILS ENGINEER IN CONFORMANCE WITH THE
- RECOMMENDATIONS OF THE PRELIMINARY SOILS INVESTIGATION PREPARED BY 5. COMPACTED FILL TO SUPPORT ANY STRUCTURES SHALL COMPLY WITH SECTION 1803.5.8. PROJECTS WITHOUT A PRELIMINARY SOIL REPORT SHALL INCLUDE DETAILED SPECIFICATIONS IN ACCORDANCE WITH SECTIONS 1803.2 AND 1803.5 PREPARED BY THE ENGINEER OF RECORD
- 6. THE CONTRACTOR SHALL NOTIFY THE BUILDING AND SAFETY DEPARTMENT AT LEAST 24 HOURS IN ADVANCE TO REQUEST FINISH LOT GRADE AND DRAINAGE INSPECTION. THIS INSPECTION MUST BE APPROVED PRIOR TO BUILDING PERMIT FINAL INSPECTION FOR EACH LOT
- 7. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT, TWO DAYS BEFORE DIGGING AT 1-800-422-4133 8. PRIOR TO GRADING, A MEETING SHALL BE SCHEDULED WITH RIVERSIDE COUNTY ENVIRONMENTAL COMPLIANCE INSPECTOR PRIOR TO COMMENCEMENT OF GRADING OPERATIONS.

#### CUT/FILL:

- 1. MAXIMUM CUT AND FILL SLOPE = 2:1 (HORIZONTAL TO VERTICAL).
- 2. NO FILL SHALL BE PLACED ON EXISTING GROUND UNTIL THE GROUND HAS BEEN CLEARED OF WEEDS, TOPSOIL AND OTHER DELETERIOUS MATERIAL. FILLS SHOULD BE PLACED IN THIN LIFTS (8-INCH MAX OR AS RECOMMENDED IN THE SOILS REPORT), COMPACTED AND TESTED THROUGHOUT THE GRADING PROCESS UNTIL FINAL GRADES ARE ATTAINED. ALL FILLS ON SLOPES STEEPER THAN 5 TO 2 (HORIZONTAL TO VERTICAL) AND A HEIGHT GREATER THAN 5 FEET SHALL BE KEYED AND BENCHED INTO FIRM NATURAL SOIL FOR FULL SUPPORT. THE BENCH UNDER THE TOE MUST BE 10 FEET WIDE MINIMUM
- 3. NO ROCK OR SIMILAR IRREDUCIBLE MATERIAL WITH A MAXIMUM DIMENSION GREATER THAN 12 INCHES SHALL BE BURIED OR PLACED IN FILLS CLOSER THAN 10 FEET TO THE FINISHED GRADE.

#### DRAINAGE, EROSION / DUST CONTROL: 1. DRAINAGE ACROSS PROPERTY LINES SHALL NOT EXCEED THAT WHICH EXISTED PRIOR TO GRADING. EXCESS OR CONCENTRATED DRAINAGE SHALL BE CONTAINED ON SITE OR DIRECTED TO AN APPROVED DRAINAGE FACILITY. EROSION OF THE GROUND IN THE AREA OF DISCHARGE SHALL BE PREVENTED BY INSTALLATION OF NON-EROSIVE DOWN DRAINS OR OTHER DEVICES. THE GROUND SURFACE IMMEDIATELY ADJACENT TO THE BUILDING FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN ONE UNIT VERTICAL IN 20 UNITS HORIZONTAL (5-PERCENT SLOPE) FOR A MINIMUM DISTANCE OF 10 FEET MEASURED PERPENDICULAR TO THE FACE OF THE FOUNDATION.

- 2. NO OBSTRUCTION OF NATURAL WATER COURSES SHALL BE PERMITTED
- 3. PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL (BEST MANAGEMENT PRACTICES, BMPS) SHALL BE PROVIDED TO PREVENT PONDING WATER AND DRAINAGE TO ADJACENT PROPERTIES.
- 4. DUST CONTROL SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS.
- 5. FUGITIVE DUST CONTROL: CONSTRUCTION SITES SUBJECT TO PM10 FUGITIVE DUST MITIGATION SHALL COMPLY WITH AQMD RULE 403.1
- 6. ALL EXISTING DRAINAGE COURSES AND STORM DRAIN FACILITIES SHALL CONTINUE TO FUNCTION. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT ADJOINING PROPERTIES NPDES:
- 1. CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMP'S) FOR THE MANAGEMENT OF STORM WATER AND NON-STORMWATER DISCHARGES SHALL BE DOCUMENTED ON THE GRADING PLAN. ARRANGEMENTS SHALL BE MADE BY THE DEVELOPER TO RETAIN THE SWPPP ON THE JOBSITE EROSION AND SEDIMENTATION, ARRANGEMENTS SHALL BE MADE BY THE DEVELOPER TO MAINTAIN THOSE BMPS THROUGHOUT THE TIME OF CONSTRUCTION 2. EROSION CONTROL BMPS SHALL BE IMPLEMENTED AND MAINTAINED TO PREVENT AND/OR MINIMIZE THE ENTRAINMENT
- OF SOIL IN RUNOFF FROM DISTURBED SOIL AREAS ON CONSTRUCTION SITES. 3. SEDIMENT CONTROL BMPS SHALL BE IMPLEMENTED AND MAINTAINED TO PREVENT AND/OR MINIMIZE TRANSPORT OF
- SOIL FROM THE CONSTRUCTION SITE 4. GRADING SHALL BE PHASED TO LIMIT THE AMOUNT OF DISTURBED AREA EXPOSED TO THE EXTENT FEASIBLE
- 5. AREAS THAT ARE CLEARED AND GRADED SHALL BE LIMITED TO ONLY THE PORTION OF THE SITE THAT IS NECESSARY FOR CONSTRUCTION. THE CONSTRUCTION SITE SHALL BE MANAGED TO MINIMIZE THE EXPOSURE TIME OF DISTURBED SOIL AREAS THROUGH PHASING AND SCHEDULING OF GRADING AND THE USE OF TEMPORARY AND PERMANENT SOIL STABILIZATION
- 6. ONCE DISTURBED, SLOPES (TEMPORARY OR PERMANENT) SHALL BE STABILIZED IF THEY WILL NOT BE WORKED WITHIN 21 DAYS. DURING STORM SEASON, ALL SLOPED SHALL BE STABILIZED PRIOR TO PREDICTED STORM EVENT. CONSTRUCTION SITES SHALL BE REVENGETATED AS EARLY AS FEASIBLE AFTER SOIL DISTURBANCE.
- 7. STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO ELIMINATE OR REDUCE SEDIMENT TRANSPORT FROM THE SITE OR STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND
- 8. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT A STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OTHER THAN STORMWATER (NON-STORMWATER DISCHARGES) ARE PROHIBITED. EXCEPT AS AUTHORIZED BY AN INDIVIDUAL NPDES PERMIT. THE STATEWIDE GENERAL PERMIT-CONSTRUCTION ACTIVITY. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, SOLVENTS, DETERGENTS, GLUES, LIME, PESTICIDES. HERBICIDES, FERTILIZERS, WOOD PRESERVATIVES, AND ASBESTOS FIBERS, PAIN FLAKES OR STUCCO FRAGMENTS. FUEL, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS, CONCRETE AND RELATED CUTTING OR CURING RESIDUES; FLOATABLE WASTES; WASTES FROM ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING; WASTES FROM STREET CLEANING; AND SUPER-CHLORINATED POTABLE WATER FROM LINE FLUSHING AND TESTING. DURING CONSTRUCTION, DISPOSAL OF SUCH MATERIALS SHOULD OCCUR IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON-SITE PHYSICALLY SEPARATE FROM POTENTIAL STORMWATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS
- 9. RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED AT CONSTRUCTION SITE AND MUST NOT BE DISCHARGED TO RECEIVING WATERS OR LOCAL STORM DRAIN SYSTEM
- 10. APPROPRIATE BMPS FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED TO ELIMINATE OR REDUCE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTIES BY WIND OR RUNOFF.
- 11. ALL CONSTRUCTION CONTRACTORS AND SUBCONTRACTOR PERSONNEL ARE TO BE TRAINED IN THE IMPLEMENTATION AND USE OF THE REQUIRED BMPS AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS AND ALL TRAINING DOCUMENTATION SHALL BE MAINTAINED IN THE SWPPP.
- 12. DISCHARGING CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING GROUNDWATER THAT HAS INFILTRATED INTO THE CONSTRUCTION SITE IS PROHIBITED. DISCHARGING OF CONTAMINATED SOILS SURFACE EROSION IS ALSO PROHIBITED. DISCHARGING NON-CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING ACTIVITIES MAY REQUIRE A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE REGIONAL WATER QUALITY CONTROL BOARD.
- 13. BMPSS SHALL BE MAINTAINED AT ALL TIMES. IN ADDITION, BMPS SHALL BE INSPECTED PRIOR TO PREDICTED STORM EVENTS AND FOLLOWING STORM EVENTS,
- 14. AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY, ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED OF IN TRASH OR RECYCLE BINS

# **FIRE NOTES**

- 1. NEW AND EXISTING BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS OR APPROVED BUILDING IDENTIFICATION PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FORM THE STREET OR ROAD FRONTING THE PROPERTY. THESE NUMBERS SHALL BE A MINIMUM OF 4 INCHES HIGH WITH A MINIMUM STROKE OF .5 INCHES. WHERE ACCESS IS BY MEANS OF A PRIVATE ROAD AND THE BUILDING CANNOT BE VIEWED FROM THE PUBLIC WAY, A MONUMENT, POLE OR OTHER SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE. CFC SECTION
- ALL FIRE APPARATUS ROADS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED VERTICAL CLEARANCE OF NO LESS THAN 13 FEET 6 INCHES.
- 3. SITE PLAN SHALL PROVIDE DIMENSIONS SHOWING REQUIRED FIR FIRE APPARATUS ACCESS ROADS. FIRE ACCESS ROADWAYS SHALL HAVE AN UNOBSTRUCTED IMPROVED WIDTH OF NOT LESS THAN 24 FEET,
- **EXCEPTIONS: 1. RESIDENTIAL DWELLINGS NOT IN THE VERY** HIGH FIRE HAZARD SEVERITY ZONE SHALL HAVE MINIMUM OF 20 FEET OF UNOBSTRUCTED IMPROVED WIDTH. 2. SINGLE-FAMILY RESIDENTIAL DRIVEWAYS SERVING NO MORE THAN TWO SINGLE-FAMILY DWELLING SHALL HAVE A MINIMUM OF 16 FEET OF UNOBSTRUCTED IMPROVED WIDTH.

# **GENERAL NOTES**

- 1. SEE BUILDING PLANS FOR ALL OTHER DIMENSIONS 7. AND NOTES NOT SHOWN. 2. SEE BUILDING PLANS AND SCHEDULES FOR ALL 8.
- EXTERIOR DOOR AND WINDOW REFERENCES AND LOCATIONS. 3. YARD SETBACKS ARE TO BE MEASURED FROM THE
- EXTERIOR WALL FINISH TO THE PROPERTY LINE AND NOT FROM THE OUTSIDE OF THE FOOTING (OR FACE OF STUDS). THE PLANS MUST BE DESIGNED WITH THE WALL FINISH THICKNESS (I.E. 7/8" STUCCO, ETC.) ADDED TO THE PLAN FOR THE SETBACK MEASUREMENT. THE FIELD INSPECTOR WILL ADD THE PLANNED WALL FINISH THICKNESS TO THE FOUNDATION SETBACK.
- 4. NEW ELECTRIC SERVICE IS TO BE LOCATED POOLS, SPAS, WALLS, FENCES, PATIO COVERS AND OTHER 10. PROJECTIONS, INCLUDING EAVES, MUST BE AT FREESTANDING STRUCTURES REQUIRE SEPARATE REVIEWS AND PERMITS
- 5. LANDSCAPE AND IRRIGATION WATER USE SHALL HAVE WEATHER OR SOIL BASED CONTROLLERS
- 6. ADU WILL BE CONNECTED TO THE PUBLIC SEWER SYSTEM OR WILL PROVIDE A COMPLYING SEPTIC SYSTEM.

CAL-OSHA PERMIT IS REQUIRED FOR EXCAVATIONS DEEPER THAN 5' AND SHORING AND UNDERPINNING. A DIMENSIONED SITE PLAN DRAWN TO SCALE SHALL BE PROVIDED SHOWING THE FOLLOWING: NORTH ARROW, PROPERTY LINES, EASEMENTS, STREETS, EXISTING AND PROPOSED BUILDINGS, AND STRUCTURES, LOCATION OF YARDS USED FOR ALLOWABLE INCREASE OF BUILDING AREA. DIMENSIONED SETBACKS, MINIMUM SEPARATION FROM EXISTING STRUCTURES AND FUEL MODIFICATION ZONES PER UNIFORM ADMINISTRATIVE CODE SECTION 302. IF A GRADING PLAN IS REQUIRED, INCORPORATE THE

ENTIRE APPROVED GRADING PLAN/IMPROVEMENT PLAN (ALL SHEETS) WITH THE BUILDING PLANS. LEAST 24" FROM PROPERTY LINES.

THE APPLICANT SHALL PROVIDE 1. SCALED SITE PLAN SHOWING PROPER DIMENSIONED SETBACKS, EASEMENT STREETS, EXISTING AND PROPOSED SEPARATION FROM EXISTING STRUC MODIFICATION ZONES IF APPLICABLE

2. WHEN REQUIRED, THE APPLICA SITE DESIGN STORMWATER BEST MAI PRACTICES (BMP) AND LOW IMPACT D CONCEPTS SUCH AS IMPERVIOUS ARI DRAINAGE TO NATURAL VEGETATION, IMPERVIOUS SURFACES, BREAKING U ETC. SEE OPTION 'A' OR 'B'.

3. PER COUNTY OF RIVERSIDE MU **GRADING & EROSION CONTROL SHOU** SCOPE DISTURB 50 CUBIC YARDS TH REQUIRE TO SUBMIT TO THE ENGINEE **GRADING PERMIT. PERMIT REGULATIO REQUIREMENTS CAN BE OBTAINED FR** THE TIME OF BUILDING PERMIT APPLI

4. THE SUBMISSION OF ANY BUILD AND/OR DEVELOPMENT APPLICATION INCLUDE ADEQUATE PROVISIONS TO I DISCHARGE OF POLLUTANTS BOTH OI CONSTRUCTION SITE. AT A MINIMUM SHALL INCLUDE: (1) FOR SITES THAT I DISTURBING ACTIVITIES APPROPRIAT SEDIMENT CONTROL MEASURES: AND STABILIZATION MEASURES; (3) WHERE GROUND WATER MAY BE NECESSARY APPROPRIATE DEWATERING CONTRO SITE-SPECIFIC SOURCE CONTROLS T RELEASE AND DISCHARGE OF ANY PC APPROPRIATE POLLUTION PREVENTION MEASURES TO PREVENT THE RELEAS OF ANY POLLUTANTS PER INDUSTRY STANDARDS AS DEEMED APPROPRIA

# **GREEN BUILDING C**

- SITE SHALL BE PLANNED AND DEVELOPED TO KEEP SURFACE WATER AWAY FROM BUILDINGS. PLANS SHALL BE PROVIDED AND APPROVED BY THE ENGINEER THAT SHOW SITE GRADING AND PROVIDE FOR STORM WATER RETENTION AND DRAINAGE DURING CONSTRUCTION. BMP'S THAT ARE CURRENTLY ENFORCED BY THE ENGINEER MUST BE IMPLEMENTED PRIOR TO INITIAL INSPECTION BY THE BUILDING DEPT.
- 2. 65 % OF CONSTRUCTION WASTE IS TO BE RECYCLED.
- VOC'S MUST COMPLY WITH THE LIMITATION LISTED IN SECTION 4.504.3 AND TABLES 4.504.1, 4.504.2, 4.504.3, AND 4.504.4 FOR: ADHESIVES, PAINTS AND COATINGS, CARPET AND COMPOSITION WOOD PRODUCTS.
- INTERIOR MOISTURE CONTROL AT SLAB ON GRADE FLOORS SHALL BE PROVIDED BY THE SOIL ENGINEER. IF A SOIL ENGINEER HAS NOT PREPARED A SOIL REPORT FOR THIS PROJECT, THE FOLLOWING IS REQUIRED: A 4" THICK BASE OF 1/2" OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH A VAPOR BARRIER IN DIRECT CONTACT WITH CONCRETE, WITH A CONCRETE MIX DESIGN WHICH WILL ADDRESS BLEEDING, SHRINKAGE AND CURLING SHALL BE USED.

| E A DIMENSIONED AND<br>RTY LINES, YARDS,                                                                                    | WALL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | AND PROJECTION                                                                                                              | ON SEPARA                                   | TION REQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | UIREMENT                                                 | S TO I                           |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------|
| S, UTILITIES,                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                  |
| BUILDINGS, MINIMUM<br>FURES, AND FUEL                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | The fire-resistance rating shall be pern<br>reduced to 0 hours on the underside<br>rhang if fireblocking is provided from t | of the eave<br>ne wall top                  | ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Fire Separation Distance<br>measured from:               |                                  |
| NT SHALL IMPLEMENT                                                                                                          | ő                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | plate to the underside of the roof<br>Alternate attic venting locations may b                                               |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Interior lot line<br>OR                                  |                                  |
| NAGEMENT<br>EVELOPMENT (LID)                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | $\sim$                                                                                                                      |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Centerline of a street, alle<br>or public way            | <u>ey,</u>                       |
| EA DISPERSION,<br>, REDUCTION IN                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             | from                                        | projection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OR<br>An imaginary line betwee                           | n                                |
| P HARDSCAPE AREA,                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |                                             | operty line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | two buildings on the lot                                 |                                  |
|                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             | THE N                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                  |
| NICIPAL CODE 17.56<br>ILD THE PROJECT                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                  |
| E APPLICANT WILL<br>ERING DIVISION A                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | When the FSD is less than<br>specified in Table R302.1(  | 1) or R302.1(                    |
| ONS AND SUBMITTAL<br>ROM THE COUNTY AT                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             | 11                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | walls are required to be r<br>sizes may be limited, proj | ections may                      |
| CATION SUBMISSION.                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ement of "testing to be done<br>posure from both sides" will                                                                | FSD: Dista                                  | THE TOPS IN THE TOP OF TOP OF THE TOP OF | require fire ratings, and p<br>require special treatment |                                  |
| ING, GRADING                                                                                                                | require sp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ecific finishes and methods to<br>on both inside and outside of                                                             | wall to<br>property                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                  |
| S/PLANS SHALL<br>PREVENT THE                                                                                                | THE REPORT OF A DESCRIPTION OF A DESCRIP | onstruction per the applicable<br>wall assembly detail or listing.                                                          | property                                    | HIBE A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                          |                                  |
| N AND OFF A<br>THESE PROVISIONS                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Foundation vents comply<br>with code are allowed in a    |                                  |
| NCLUDE GROUND                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | condition. They don't cou<br>toward the area of openin   | nt                               |
| E EROSION AND<br>) (2) SOIL                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                  |
| E PUMPING OF<br>THE INCLUSION OF                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                  |
| DL MEASURES; (4)<br>O PREVENT THE                                                                                           | NON-SPRINK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | E: NOT ALL ELEVATIONS IN THESE PE<br>LERED BUILDING AND THEREFORE A                                                         | MINIMUM SEPARATION OF                       | 5' TO THE PROPERTY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                          | ED                               |
| DLLUTANTS; AND (5)<br>ON CONTROL                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | M10' TO ADJACENT BUILDINGS (FOR N                                                                                           |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NE-HOUR RATED                                            |                                  |
| E AND DISCHARGE                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ION AND HAVE A MAXIMUM OF 25% O                                                                                             |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                  |
| ACCEPTABLE<br>TE BY THE COUNTY.                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NSPRINKLERED BUILDINGS CLOSER T<br>ION AND HAVE NO OPENING. [CRC TA                                                         |                                             | Y LINES SHALL BE ONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -HOUR RATED                                              |                                  |
|                                                                                                                             | IF THEY PRO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IS, INCLUDING EAVES, SHALL BE ONE<br>JECT INTO THE 3/5 FOOT (SPRINKLER<br>T A MAXIMUM OF 12 INCHES BEYOND<br>[]             | ED /UNSPRINKLERED) SET                      | BACK AREA FROM THI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | E PROPERTY LINE. THEY                                    |                                  |
|                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                  |
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|                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | S, YARDS, DIMENSIONED SETBACKS,                                                                                             |                                             | REETS, EXISTING AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |                                  |
|                                                                                                                             | FROM EX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ISTING STRUCTURES, AND FUEL MOD<br>PLAN IN THIS S                                                                           | FICATION ZONES IF APPLI<br>ET FOR REFERENCE | CABLE. SEE EXAMPLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SITE                                                     |                                  |
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|                                                                                                                             | THE APP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PLICANT SHALL IMPLEMENT SITE DES                                                                                            | GN STORMWATER BEST N                        | IANAGEMENT PRACTIO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CES                                                      |                                  |
|                                                                                                                             | DRAIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | D LOW IMPACT DEVELOPMENT (LID) (<br>AGE TO NATURAL VEGETATION, RED                                                          | JCTION IN IMPERVIOUS SL                     | JRFACES, BREAKING L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | P                                                        |                                  |
|                                                                                                                             | HARDSC/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | APE AREA, ETC. APPLICANT IS REQUI<br>CON                                                                                    | STRUCTION                                   | ESE CONCEPTS WITH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NEW                                                      |                                  |
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| E ACCESS ROADWAYS<br>SURFACE FIRE APPARATUS ACCESS ROADS S                                                                  | HALL BE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | EXISTING LEGAL LOTS THAT HAVE     PROVIDE PRIMARY ACCESS TO OT     PIGHTS FOR EMERGENCY VEHICL                              | HER LOTS SHALL RECORD                       | A COVENANT GRANTIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | G EASEMENT                                               | SHALL BE                         |
| DESIGNED AND MAINTAINED TO SUPPORT THE<br>LOADS OF FIRE APPARATUS NOT LESS THAN 7<br>SHALL BE PROVIDED WITH AN APPROVED PAC | 5,000 LBS AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | RIGHTS FOR EMERGENCY VEHICLI<br>TO BUILD ANY BUILDING, WALL, FE<br>ACCESS EASEMENT.                                         |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          | OVERRIDI<br>REQUIRES<br>WITH DUA |
| PROVIDE ALL-WEATHER DRIVING CAPABILITIES<br>GATED ENTRANCES WITH CARD READERS, GU                                           | S.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ALL DEAD END FIRE APPARATUS A     PROVIDED WITH AND APPROVED A                                                              | REA FOR TURNING AROUN                       | D FIRE APPARATUS. AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CESS ROADS                                               | PERSONN                          |
| OR CENTER MEDIANS, WHICH WILL HAVE SEP<br>OF ONE-WAY TRAFFIC, SHALL BE NOT LESS TH                                          | ARATED LANES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SERVING MORE THAN (4) FOUR DV<br>MINIMUM UNOBSTRUCTED PAVED<br>CURB LINE WITH NO PARKING. ALT                               | RADIUS WIDTH FOR A CUL-                     | DE-SAC SHALL BE 36 FE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | EET CURB LINE TO                                         | ALL G<br>MININ<br>LEAS           |
| WIDE PER LANE.                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CONSIDERED BY THE FIRE MARSH                                                                                                |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          | GATE                             |
| CODE NOTES                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                  |

MOISTURE CONTENT OF WOOD SHALL NOT EXCEED 19% BEFORE IT IS ENCLOSED IN CONSTRUCTION. THE MOISTURE CONTENT NEEDS TO BE CERTIFIED BY ONE OF 3 METHODS SPECIFIED. BUILDING MATERIAL WITH VISIBLE SIGNS OF WATER DAMAGE SHOULD NOT BE USED IN CONSTRUCTION. THE MOISTURE CONTENT MUST BE DETERMINED BY THE CONTRACTOR BY ONE OF THE LISTED METHODS LISTED IN CGC SECTION 4.503.3

- PRIOR TO FINAL APPROVAL OF THE BUILDING THE LICENSED CONTRACTOR, ARCHITECT OR ENGINEER IN RESPONSIBLE AND SIGN THE GREEN BUILDING STANDARDS CERTIFICATION FORM AND GIVEN TO THE BUILDING DEPT OFFICIAL TO BE FILED WITH THE APPROVED PLANS
- 7. LANDSCAPE IRRIGATION WATER USE SHALL HAVE WEATHER BASED CONTROLLERS.
- 8. PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL SHALL MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION BY ONE OF THE FOLLOWING: A. RETENTION BASIN. B. WHERE STORM WATER IS CONVEYED TO A PUBLIC DRAINAGE SYSTEM, WATER SHALL BE FILTERED BY USE OF A BARRIER SYSTEM, WATTLE OR OTHER APPROVED METHOD. CGC 4.106.2.
- 9. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN TO THE JURISDICTION AGENCY THAT REGULATES WASTE MANAGEMENT, PER CGC 4.408.2.
- CHARGE OF THE OVERALL CONSTRUCTION MUST COMPLETE 10. THE BUILDER IS TO PROVIDE AN OPERATION MANUAL (CONTAINING INFORMATION FORM MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION. CGC 4.410.0
  - 11. DURING CONSTRUCTION, ENDS OF DUCT OPENINGS ARE TO BE SEALED, AND MECHANICAL EQUIPMENT IS TO BE COVERED. CGC 4.504.1
  - 12. BATHROOM FANS SHALL BE ENERGY STAR RATED, VENTED DIRECTLY TO THE OUTSIDE AND CONTROLLED BY A HUMIDISTAT.

# PROPERTY LINES AND ADJACENT BUILDINGS

|                          |                                  | TABLE R302.1(1)<br>EXTERIOR WALLS                                                                                                                 |                       |
|--------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| EXTERIOR<br>WALL ELEMENT |                                  |                                                                                                                                                   |                       |
| Walls                    | Fire-<br>resistance<br>rated     | 1 hour—tested in accordance with<br>ASTM E119, UL 263 or Section 703.3<br>of the <i>California Building Code</i> with<br>exposure from both sides | 0 feet                |
|                          | Not fire-<br>resistance<br>rated | 0 hours                                                                                                                                           | ≥ 5 feet              |
|                          | Not allowed                      | NA                                                                                                                                                | < 2 feet              |
| Projections              | Fire-<br>resistance<br>rated     | 1 hour on the underside, or heavy<br>timber, or fire-<br>retardant-treated wood <sup>a, b</sup>                                                   | ≥ 2 feet to <<br>feet |
|                          | Not fire-<br>resistance<br>rated | 0 hours                                                                                                                                           | ≥ 5 feet              |
|                          | Not allowed                      | NA                                                                                                                                                | < 3 feet              |
| Openings in<br>walls     | 25%<br>maximum of<br>wall area   | 0 hours                                                                                                                                           | 3 feet                |
|                          | Unlimited                        | 0 hours                                                                                                                                           | 5 feet                |
| Desserver                | A.W.                             | Comply with Section R302.4                                                                                                                        | < 3 feet              |
| Penetrations             | All                              | None required                                                                                                                                     | 3 feet                |

TABLE R302.1(2)

EXTERIOR WALLS-DWELLINGS AND ACCESSORY BUILDINGS WITH AUTOMATIC RESIDENTIAL FIRE SPRINKLER PROTECTION

|              | RIOR<br>LEMENT                   | MINIMUM<br>FIRE-RESISTANCE RATING                                                                                                                    |                     |
|--------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Walls        | Fire-<br>resistance<br>rated     | 1 hour—tested in accordance with<br>ASTM E119, UL 263 or Section 703.2.2<br>of the <i>California Building Code</i> with<br>exposure from the outside | 0 feet              |
|              | Not fire-<br>resistance<br>rated | 0 hours                                                                                                                                              | 3 feet <sup>a</sup> |
|              | Not allowed                      | NA                                                                                                                                                   | < 2 feet            |
| Projections  | Fire-<br>resistance<br>rated     | 1 hour on the underside, or heavy<br>timber, or fire-<br>retardant-treated wood <sup>b, c</sup>                                                      | 2 feetª             |
|              | Not fire-<br>resistance<br>rated | 0 hours                                                                                                                                              | 3 feet              |
| Openings in  | Not allowed                      | NA                                                                                                                                                   | < 3 feet            |
| walls        | Unlimited                        | 0 hours                                                                                                                                              | 3 feetª             |
| Desertation  | 100                              | Comply with Section R302.4                                                                                                                           | < 3 feet            |
| Penetrations | All                              | None required                                                                                                                                        | 3 feetª             |

Y GATES: AN AUTOMATIC GATE ACROSS A FIRE ACCESS ROADWAY OR DRIVEWAY EQUIPPED WITH AN APPROVED EMERGENCY KEY-OPERATED SWITCH DING ALL COMMAND FUNCTIONS AND OPENING THE GATE. WHERE THIS SECTION S AN APPROVED KEY-OPERATED SWITCH, IT MAY BE DUAL-KEYED OR EQUIPPED AL SWITCHES PROVIDED TO FACILITATE ACCESS BY LAW ENFORCEMENT NEL. (CFC SECTION 503.6 AMENDMENT)

GATES PROVIDING ACCESS FROM A ROAD TO A DRIVEWAY SHALL BE LOCATED A MUM OF 30 FEET FROM THE NEAREST EDGE OF THE ROADWAY AND SHALL BE AT ST TWO FEET WIDER THAN THE WIDTH OF THE TRAFFIC LANE(S) SERVING THE

# **DIVISION 2 - SITEWORK**

1. SITE PREPARATION PROJECT IS TO BE STAKED OUT FOR OWNER APPROVAL BEFORE FOR EARTHWORKIS TO

#### 2. SITE CLEARING

CONTRACTOR WILL VERIFY WITH OWNER ALL PLANTING TO BE REMOVED PRIOR TO STARTING WORK. 3. LINES AND LEVELS

THE CONTRACTOR WILL VISIT THE SITE AND EVALUATE GRADE CONDITION. FOR BIDDING PURPOSES, THE CONTRACTOR WILL CALCULATE HIS OWN CUT AND FILL QUANTITIES BASED ON THE SITE PLAN.

4. SHORING IS TO BE PROVIDE AS REQUIRED

#### 5. EARTH WORK

a. REMOVE AND RECOMPACT LOOSE TOPSOIL AND SLIGHTLY ALTER THE EXISTING TOPOGRAPHY. ALL GRADING SHOULD BE PERFORMED IN ACCORDANCE WITH THE CITY OF ENCINITAS GRADING ORDINANCE

b. THE CONTRACTOR IS TO VERIFY THE LOCATION OF UTILITY SERVICE IN THE AREA PRIOR TO EXCAVATION. c. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL FINISH GRADES ARE TO SLOPE AWAY FROM THE BUILDING AND EXTERIOR PAVING 1/4" PER FOOT MINIMUM FOR A MINIMUM DISTANCE OF 5'-0". LOT DRAINAGE TO AVOID POOLING AT BUILDING.

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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS TH FOLLOWING CONDITIONS:

1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE COUNTY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OF LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON, ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM AN USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

### project

County of Riverside Pre-Approved **ADU** Program



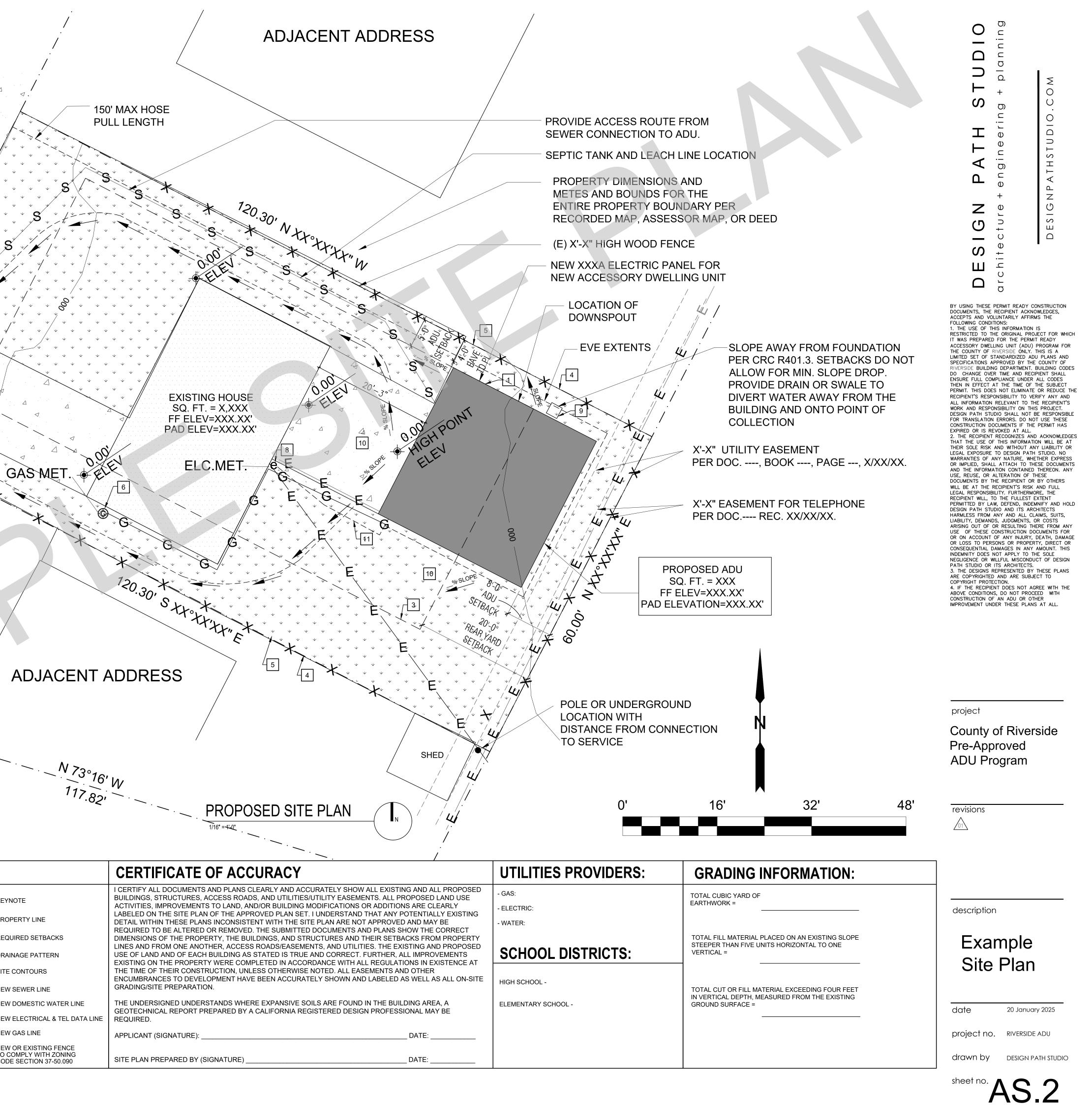


description

# Site Information

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
| sheet no.   |                    |

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ADDITIONAL BUILDING SEWER O<br>D 100 FEET IN STRAIGHT RUNS AND FOI<br>135 DEGREES. [CPC 719.1]<br>MUM FT FROM ADJACENT S<br>FLOOR ELEVATION OF THE ACCES<br>DN UPSTREAM FROM THE SEWER L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AT THE LOWER END OF THE BUILDI<br>CLEANOUTS SHALL BE INSTALLED A<br>R EACH AGGREGATE HORIZONTAL C<br>STRUCTURES.<br>SORY DWELLING UNIT (ADU). IF<br>ATERAL CONNECTION IS HIGHE                                                                                                                                                                                                                                                                                                                                                                                                                              | NG<br>T<br>HANGE<br>THE<br>R THAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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GAS<br>ONDUCTORS.)<br>JTILITY SERVICE<br>COMPLY WITH CPC 311.1<br>TO THE EXISTING MAIN<br>FIXTURE UNITS PER TABLE<br>R DRAIN ALREADY EXISTS IN<br>703.2.<br>(GAS,ELECTRICAL, WATER.)<br>, IDENTIFY THE FOLLOWING:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AND THE BUILDING SEWEF<br>DRAIN AND EXTENDED TO<br>INTERVALS NOT TO EXCEE<br>IN DIRECTION EXCEEDING<br>ADU MUST BE A MINIM<br>IDENTIFY THE FINISHED<br>MANHOLE RIM ELEVATIO<br>THE PROPOSED ADU, A<br>LATERAL. [CPC 710.1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | COR INSTALLED OUTSIDE THE BUILDING<br>GRADE. ADDITIONAL BUILDING SEWER (<br>D 100 FEET IN STRAIGHT RUNS AND FOI<br>135 DEGREES. [CPC 719.1]<br>MUM FT FROM ADJACENT S<br>FLOOR ELEVATION OF THE ACCES<br>DN UPSTREAM FROM THE SEWER L<br>BACKWATER VALVE SHALL BE INST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | AT THE LOWER END OF THE BUILDI<br>CLEANOUTS SHALL BE INSTALLED A<br>REACH AGGREGATE HORIZONTAL C<br>STRUCTURES.<br>SORY DWELLING UNIT (ADU). IF<br>ATERAL CONNECTION IS HIGHE<br>ALLED ON THE BUILDING SEWE                                                                                                                                                                                                                                                                                                                                                                                                 | NG<br>T<br>SHANGE<br>THE<br>R THAN<br>R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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[CPC 710.1]<br>DRAINAGE PIPING SERV<br>MAIN SEWER SHALL DIS<br>SO LOCATED AS TO REC<br>RECEIVING TANK, THE S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | COR INSTALLED OUTSIDE THE BUILDING<br>GRADE. ADDITIONAL BUILDING SEWER O<br>D 100 FEET IN STRAIGHT RUNS AND FOI<br>135 DEGREES. 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VERIFY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | AND THE BUILDING SEWEF<br>DRAIN AND EXTENDED TO<br>INTERVALS NOT TO EXCEE<br>IN DIRECTION EXCEEDING<br>ADU MUST BE A MINIM<br>IDENTIFY THE FINISHED<br>MANHOLE RIM ELEVATIO<br>THE PROPOSED ADU, A<br>LATERAL. 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[CBC 1808.7]                                                                                                                                 | NG<br>T<br>EHANGE<br>THE<br>R THAN<br>R<br>THE<br>FANK,<br>R<br>RGED<br>HER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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YARD SETBACKS ARE TO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AND THE BUILDING SEWEF<br>DRAIN AND EXTENDED TO<br>INTERVALS NOT TO EXCEE<br>IN DIRECTION EXCEEDING<br>ADU MUST BE A MINIM<br>IDENTIFY THE FINISHED<br>MANHOLE RIM ELEVATIO<br>THE PROPOSED ADU, A<br>LATERAL. 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[CPC 710.1]<br>DRAINAGE PIPING SERV<br>MAIN SEWER SHALL DIS<br>SO LOCATED AS TO REG<br>RECEIVING TANK, THE S<br>INTO THE BUILDING DR/<br>EQUALLY EFFICIENT AP<br>INDICATE DESIGN FLOOD E<br>INDICATE DESIGN FLOOD E<br>INDICATE DISTANCE OF ST<br>STRUCTURES ON OR ADJA<br>SLOPE) SHALL COMPLY WI<br>PROVIDE NEW DRIVEWAY /<br>PROVIDE NEW DRIVEWAY /<br>IN FIELD PRIOR TO<br>OR ALL OTHER<br>NOT SHOWN.<br>D SCHEDULES FOR<br>D WINDOW<br>TIONS.<br>BE MEASURED<br>LLL FINISH TO THE<br>T FROM THE                                                                                                                                      | COR INSTALLED OUTSIDE THE BUILDING<br>GRADE. ADDITIONAL BUILDING SEWER<br>D 100 FEET IN STRAIGHT RUNS AND FOI<br>135 DEGREES. [CPC 719.1]<br>NUM FT FROM ADJACENT S<br>FLOOR ELEVATION OF THE ACCESS<br>ON UPSTREAM FROM THE SEWER L<br>BACKWATER VALVE SHALL BE INST<br>VING FIXTURES THAT ARE LOCATED<br>CHARGE INTO AN APPROVED WATT<br>SEWAGE OR OTHER LIQUID WASTES BY<br>SEWAGE OR OTHER LIQUID WASTES BY<br>SEWAGE OR OTHER LIQUID WASTES (C<br>ELEVATION, AND FINISH FLOOR ELEVATI<br>RUCTURE TO ADJACENT SLOPES. THE F<br>CENT TO SLOPES STEEPER THAN 1 UNI<br>TH SECTIONS 1808.7.1 THROUGH 1808.7<br>ACCESS OR INDICATE EXISTING DRIVEW<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMPANY<br>COMP                                                                                                                                                                                                                                   | AT THE LOWER END OF THE BUILDI<br>CLEANOUTS SHALL BE INSTALLED A<br>REACH AGGREGATE HORIZONTAL C<br>STRUCTURES.<br>SORY DWELLING UNIT (ADU). IF<br>ATERAL CONNECTION IS HIGHE<br>TALLED ON THE BUILDING SEWE<br>BELOW THE CROWN LEVEL OF<br>ERTIGHT SUMP OR RECEIVING T<br>'GRAVITY. FROM SUCH SUMP O<br>SHALL BE LIFTED AND DISCHAI<br>VED EJECTORS, PUMPS, OR OT<br>PC 710.2]<br>ON.<br>PLACEMENT OF BUILDINGS AND<br>T VERTICAL IN 3 UNITS HORIZONTAL<br>5. [CBC 1808.7]<br>/AY AS ACCESS<br>GRADE ELEVATION<br>DF NEW                                                                                   | NG<br>THE<br>R THAN<br>R<br>THE<br>ANK,<br>R<br>RGED<br>HER<br>. (33.3%<br>. (33.3%<br>. (33.3%)<br>. () () (33.3%)<br>. 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SEE BUILDING PLANS ANI<br>ALL EXTERIOR DOOR ANI<br>REFERENCES AND LOCATE<br>FROM THE EXTERIOR WA<br>PROPERTY LINE AND NOTO<br>OUTSIDE OF THE FOOTIN<br>STUDS).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | AND THE BUILDING SEWEF<br>DRAIN AND EXTENDED TO<br>INTERVALS NOT TO EXCEE<br>IN DIRECTION EXCEEDING<br>ADU MUST BE A MINIM<br>IDENTIFY THE FINISHED<br>MANHOLE RIM ELEVATIO<br>THE PROPOSED ADU, A<br>LATERAL. 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SEWER DRAIN CLEANOUT<br>FOOT INTERVALS AND CH<br>DIRECTION OF 135 DEGR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | AND THE BUILDING SEWEF<br>DRAIN AND EXTENDED TO<br>INTERVALS NOT TO EXCEE<br>IN DIRECTION EXCEEDING<br>ADU MUST BE A MINIM<br>IDENTIFY THE FINISHED<br>MANHOLE RIM ELEVATIO<br>THE PROPOSED ADU, A<br>LATERAL. 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[CBC 1808.7]<br>/AY AS ACCESS<br>GRADE ELEVATION<br>OF NEW<br>NG FOOTPRINT<br>DF EXISTING<br>NG FOOTPRINT<br>CRETE PAVING                     | NG         THE         R THAN         R         THE         ANK,         R         GGED         HER         .(33.3%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ED ON SITE PLAN<br>ED ON SITE PLAN<br>BOUNDARIES CORRECTLY SCALED<br>RAPHIC AND WRITTEN<br>IS, LINES, ABBREVIATIONS, ETC. U<br>RADE ELEVATIONS, AND OTHER TO<br>ENSION OF ALL DRIVEWAY, ACCES<br>S ROADS / DRIVEWAY - MAX FIRE HU<br>ENSIONS OF ALL EASEMENTS (ELE<br>DPOSED BUILDING SETBACKS<br>FING AND PROPOSED BUILDINGS A<br>TRUCTURES FROM EACH OTHER A<br>GHT OF ALL FENCES AND RETAININ<br>E OF OFF-STREET PARKING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | EXAMPLE AND WRITTEN<br>RADE ELEVATIONS, ETC. USED ON PLANS<br>RAPHIC AND WRITTEN<br>IS, LINES, ABBREVIATIONS, ETC. USED ON PLANS<br>RAPHIC AND WRITTEN<br>IS, LINES, ABBREVIATIONS, ETC. USED ON PLANS<br>RADE ELEVATIONS, AND OTHER TOPOGRAPHIC FEATURES<br>ENSION OF ALL DRIVEWAY, ACCESS ROADS, AND CURB CUTS<br>IS ROADS / DRIVEWAY - MAX FIRE HOSE PULL OF 150 FT LENGTH<br>ENSIONS OF ALL EASEMENTS (ELECTRIC, WATER, SEWER, ETC)<br>DPOSED BUILDING SETBACKS<br>ING AND PROPOSED BUILDINGS AND STRUCTURES<br>TRUCTURES FROM EACH OTHER AND FROM PROPERTY LINES<br>ESHT OF ALL FENCES AND RETAINING WALLS                                                                                                                                                                                                                                         | At                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Image: Additional and Property Lines         Set of F-street parking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CURB<br>CORT<br>CURB<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT<br>CORT 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# **2022 CALIFORNIA GREEN BUILDING STANDARDS CODE RESIDENTIAL MANDATORY MEASURES, SHEET 1** (January 2023)

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|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Y N/A RESPON.<br>PARTY | CHAPTER 3<br>GREEN BUILDING<br>SECTION 301 GENERAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Y N | N/A RESPON.<br>PARTY | <ul> <li>4.303.1.4 Faucets.</li> <li>4.303.1.4.1 Residential Lavatory Faucets. The maximum flow not exceed 1.2 gallons per minute at 60 psi. The minimum flow r not be less than 0.8 gallons per minute at 20 psi.</li> </ul>                                                                                                     |
|                        | <b>301.1 SCOPE.</b> Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code,                                                                                                                                                                                                                                         |     |                      | 4.303.1.4.2 Lavatory Faucets in Common and Public Use Ard<br>4.303.1.4.3 Metering Faucets NOT USED                                                                                                                                                                                                                                |
|                        | but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.<br><b>301.1.1 Additions and alterations. [HCD]</b> The mandatory provisions of Chapter 4 shall be applied to<br>additions or alterations of existing residential buildings where the addition or alteration increases the<br>building's conditioned area, volume, or size. The requirements shall apply only to and/or within the                                                                                                                                           |     |                      | <b>4.303.1.4.4 Kitchen Faucets.</b> The maximum flow rate of kitcher per minute at 60 psi. Kitchen faucets may temporarily increase t to exceed 2.2 gallons per minute at 60 psi, and must default to a minute at 60 psi.                                                                                                         |
|                        | specific area of the addition or alteration.<br>The mandatory provision of Section 4.106.4.2 may apply to additions or alterations of existing parking facilities or the addition of new parking facilities serving existing multifamily buildings. See Section 4.106.4.3 for application.                                                                                                                                                                                                                                                                                           |     |                      | <ul> <li>Note: Where complying faucets are unavailable, aerators or oth reduction.</li> <li>4.303.1.4.5 Pre-rinse spray valves NOT USED</li> </ul>                                                                                                                                                                                |
|                        | <b>Note:</b> Repairs including, but not limited to, resurfacing, restriping and repairing or maintaining existing lighting fixtures are not considered alterations for the purpose of this section.                                                                                                                                                                                                                                                                                                                                                                                  |     |                      | 4.303.2 Submeters for multifamily buildings and dwelling units in mixed buildings NOT USED                                                                                                                                                                                                                                        |
|                        | <b>Note:</b> On and after January 1, 2014, residential buildings undergoing permitted alterations, additions, or improvements shall replace noncompliant plumbing fixtures with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates. |     |                      | 4.303.3 Standards for plumbing fixtures and fittings. Plumbing fixtures ar<br>accordance with the <i>California Plumbing Code</i> , and shall meet the applicable<br>1701.1 of the <i>California Plumbing Code</i> .<br>NOTE:<br>THIS TABLE COMPILES THE DATA IN SECTION 4.303.1, AND IS IN<br>CONVENIENCE FOR THE USER.          |
|                        | <b>301.2 LOW-RISE AND HIGH-RISE RESIDENTIAL BUILDINGS. [HCD]</b> - NOT USED<br>SECTION 302 MIXED OCCUPANCY BUILDINGS                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                      | TABLE - MAXIMUM FIXTURE WATER USE         FIXTURE TYPE                                                                                                                                                                                                                                                                            |
|                        | 302.1 MIXED OCCUPANCY BUILDINGS NOT USED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |                      | SHOWER HEADS (RESIDENTIAL)                                                                                                                                                                                                                                                                                                        |
|                        | DIVISION 4.1 PLANNING AND DESIGN<br>ABBREVIATION DEFINITIONS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |                      | LAVATORY FAUCETS (RESIDENTIAL)                                                                                                                                                                                                                                                                                                    |
|                        | HCDDepartment of Housing and Community DevelopmentBSCCalifornia Building Standards CommissionDSA-SSDivision of the State Architect, Structural SafetyOSHPDOffice of Statewide Health Planning and Development                                                                                                                                                                                                                                                                                                                                                                        |     |                      | USE AREAS<br>KITCHEN FAUCETS                                                                                                                                                                                                                                                                                                      |
|                        | LR     Low Rise       HR     High Rise       AA     Additions and Alterations       N     New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |                      | METERING FAUCETS WATER CLOSET URINALS                                                                                                                                                                                                                                                                                             |
|                        | CHAPTER 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                      | 4.304 OUTDOOR WATER USE                                                                                                                                                                                                                                                                                                           |
|                        | RESIDENTIAL MANDATORY MEASURES<br>SECTION 4.102 DEFINITIONS<br>4.102.1 DEFINITIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |                      | <b>4.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS</b> . Res<br>a local water efficient landscape ordinance or the current California Departme<br>Efficient Landscape Ordinance (MWELO), whichever is more stringent.                                                                                                        |
|                        | The following terms are defined in Chapter 2 (and are included here for reference)<br><b>FRENCH DRAIN.</b> A trench, hole or other depressed area loosely filled with rock, gravel, fragments of brick or similar pervious material used to collect or channel drainage or runoff water.                                                                                                                                                                                                                                                                                             |     |                      | <ul> <li>NOTES:</li> <li>1. The Model Water Efficient Landscape Ordinance (MWELO) is locate<br/>Title 23, Chapter 2.7, Division 2. MWELO and supporting document</li> </ul>                                                                                                                                                       |
|                        | <b>WATTLES.</b> Wattles are used to reduce sediment in runoff. Wattles are often constructed of natural plant materials such as hay, straw or similar material shaped in the form of tubes and placed on a downflow slope. Wattles are also used for perimeter and inlet controls.                                                                                                                                                                                                                                                                                                   |     |                      | available at: https://www.water.ca.gov/                                                                                                                                                                                                                                                                                           |
|                        | <ul> <li>4.106 SITE DEVELOPMENT</li> <li>4.106.1 GENERAL. Preservation and use of available natural resources shall be accomplished through evaluation and careful planning to minimize negative effects on the site and adjacent areas. Preservation of slopes, management of storm water drainage and erosion controls shall comply with this section.</li> </ul>                                                                                                                                                                                                                  |     |                      | <b>EFFICIENCY</b><br>4.406 ENHANCED DURABILITY AND REDUCED MAIN<br>4.406.1 RODENT PROOFING. Annular spaces around pipes, electric cables                                                                                                                                                                                          |
|                        | <b>4.106.2 STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION.</b> Projects which disturb less than one acre of soil and are not part of a larger common plan of development which in total disturbs one acre or more, shall manage storm water drainage during construction. In order to manage storm water drainage during construction, one or more of the following measures shall be implemented to prevent flooding of adjacent property, prevent erosion and retain soil runoff on the site.                                                                              |     |                      | <ul> <li>sole/bottom plates at exterior walls shall be protected against the pass<br/>openings with cement mortar, concrete masonry or a similar method ac<br/>agency.</li> <li>4.408 CONSTRUCTION WASTE REDUCTION, DISPOSE</li> </ul>                                                                                            |
|                        | <ol> <li>Retention basins of sufficient size shall be utilized to retain storm water on the site.</li> <li>Where storm water is conveyed to a public drainage system, collection point, gutter or similar disposal method, water shall be filtered by use of a barrier system, wattle or other method approved by the enforcing agency.</li> <li>Compliance with a lawfully enacted storm water management ordinance.</li> </ol>                                                                                                                                                     |     |                      | <ul> <li>4.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage percent of the non-hazardous construction and demolition waste in acc 4.408.2, 4.408.3 or 4.408.4, or meet a more stringent local construction management ordinance.</li> <li>Exceptions:</li> </ul>                                                       |
|                        | <b>Note:</b> Refer to the State Water Resources Control Board for projects which disturb one acre or more of soil, or are part of a larger common plan of development which in total disturbs one acre or more of soil. (Website: https://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.html)                                                                                                                                                                                                                                                                 |     |                      | <ol> <li>Excavated soil and land-clearing debris.</li> <li>Alternate waste reduction methods developed by working with local<br/>recycle facilities capable of compliance with this item do not exist o<br/>close to the jobsite.</li> <li>The enforcing agency may make exceptions to the requirements of</li> </ol>             |
|                        | <ul> <li>4.106.3 GRADING AND PAVING. Construction plans shall indicate how the site grading or drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:         <ol> <li>Swales</li> </ol> </li> </ul>                                                                                                                                                                                                                                                 |     |                      | <ul> <li>jobsites are located in areas beyond the haul boundaries of the div</li> <li>4.408.2 CONSTRUCTION WASTE MANAGEMENT PLAN. Submit a constru-<br/>in conformance with Items 1 through 5. The construction waste manage<br/>necessary and shall be available during construction for examination by</li> </ul>               |
|                        | <ol> <li>Swales</li> <li>Water collection and disposal systems</li> <li>French drains</li> <li>Water retention gardens</li> <li>Other water measures which keep surface water away from buildings and aid in groundwater recharge.</li> </ol>                                                                                                                                                                                                                                                                                                                                        |     |                      | <ol> <li>Identify the construction and demolition waste materials to be divert<br/>reuse on the project or salvage for future use or sale.</li> <li>Specify if construction and demolition waste materials will be sorted<br/>bulk mixed (single stream).</li> </ol>                                                              |
|                        | <b>Exception</b> : Additions and alterations not altering the drainage path.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |                      | <ol> <li>Identify diversion facilities where the construction and demolition wataken.</li> <li>Identify construction methods employed to reduce the amount of construction.</li> </ol>                                                                                                                                            |
|                        | 4.106.4 Electric vehicle (EV) charging for new construction NOT USED<br>4.106.4.2 New multifamily dwellings, hotels and motels and new residential parking facilities NOT USED<br>4.106.4.3 Electric vehicle charging for additions and alterations of parking facilities serving existing                                                                                                                                                                                                                                                                                           |     |                      | <ul><li>generated.</li><li>5. Specify that the amount of construction and demolition waste mater<br/>by weight or volume, but not by both.</li></ul>                                                                                                                                                                              |
|                        | multifamily buildings NOT USED DIVISION 4.2 ENERGY EFFICIENCY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |                      | <b>4.408.3 WASTE MANAGEMENT COMPANY.</b> Utilize a waste management enforcing agency, which can provide verifiable documentation that the demolition waste material diverted from the landfill complies with Section                                                                                                              |
|                        | <ul> <li>4.201 GENERAL</li> <li>4.201.1 SCOPE. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory standards.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                       |     |                      | <b>Note:</b> The owner or contractor may make the determination if the cons<br>materials will be diverted by a waste management company.                                                                                                                                                                                          |
|                        | DIVISION 4.3 WATER EFFICIENCY AND CONSERVATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |                      | 4.408.4 WASTE STREAM REDUCTION ALTERNATIVE [LR]. Projects that<br>weight of construction and demolition waste disposed of in landfills, wh<br>lbs./sq.ft. of the building area shall meet the minimum 65% construction<br>Section 4.408.1                                                                                         |
|                        | <ul> <li>4.303 INDOOR WATER USE</li> <li>4.303.1 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the sections 4.303.1.1, 4.303.1.2, 4.303.1.3, and 4.303.4.4.</li> </ul>                                                                                                                                                                                                                                                                                                     |     |                      | <b>4.408.4.1 WASTE STREAM REDUCTION ALTERNATIVE.</b> Projects to weight of construction and demolition waste disposed of in landfills, wh per square foot of the building area, shall meet the minimum 65% construction 4.408.1                                                                                                   |
|                        | <b>Note:</b> All noncompliant plumbing fixtures in any residential real property shall be replaced with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy, or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates.                                                                        |     |                      | <ul> <li>4.408.5 DOCUMENTATION. Documentation shall be provided to the enforci compliance with Section 4.408.2, items 1 through 5, Section 4.408.3 or Notes:</li> </ul>                                                                                                                                                           |
|                        | <b>4.303.1.1 Water Closets.</b> The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-type Toilets.                                                                                                                                                                                                                                                                                                                      |     |                      | <ol> <li>Sample forms found in "A Guide to the California Green Build<br/>(Residential)" located at www.hcd.ca.gov/CALGreen.html ma<br/>documenting compliance with this section.</li> <li>Mixed construction and demolition debris (C &amp; D) processors<br/>Department of Resources Recycling and Recovery (CalRecy</li> </ol> |
|                        | <ul> <li>Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.</li> <li>4.303.1.2 Urinals NOT USED</li> </ul>                                                                                                                                                                                                                                                                                                                                                                          |     |                      | <ul> <li>4.410 BUILDING MAINTENANCE AND OPERATION</li> <li>4.410.1 OPERATION AND MAINTENANCE MANUAL. At the time of final in disc, web-based reference or other media acceptable to the enforcing a following shall be placed in the building:</li> </ul>                                                                         |
|                        | <ul> <li>4.303.1.3 Showerheads.</li> <li>4.303.1.3.1 Single Showerhead. Showerheads shall have a maximum flow rate of not more than 1.8</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |                      | <ol> <li>Directions to the owner or occupant that the manual shall remain willife cycle of the structure.</li> </ol>                                                                                                                                                                                                              |
|                        | <ul> <li>gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.</li> <li>4.303.1.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by</li> </ul>                                                                                                                                                                                                    |     |                      | <ol> <li>Operation and maintenance instructions for the following:         <ul> <li>Equipment and appliances, including water-saving devices a photovoltaic systems, electric vehicle chargers, water-heatin appliances and equipment.</li> </ul> </li> </ol>                                                                     |
|                        | a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to only allow one shower outlet to be in operation at a time.<br><b>Note</b> : A hand-held shower shall be considered a showerhead.                                                                                                                                                                                                                                                                                                                                                |     |                      | <ul> <li>b. Roof and yard drainage, including gutters and downspouts.</li> <li>c. Space conditioning systems, including condensers and air fill</li> <li>d. Landscape irrigation systems.</li> <li>e. Water reuse systems.</li> <li>3. Information from local utility, water and waste recovery providers or</li> </ul>           |
|                        | THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |                      | resource consumption, including recycle programs and locations.                                                                                                                                                                                                                                                                   |

DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING VERIFICATION WITH THE FULL CODE. DUE TO THE VARIABLES BETWEEN BUILDING VERIFICATION WITH THE FULL CODE.

Public transportation and/or carpool options available in the area. N/A RESPON N/A RESPO PART 5. Educational material on the positive impacts of an interior relative humidity between 30-60 percent / Faucets. The maximum flow rate of residential lavatory faucets shall and what methods an occupant may use to maintain the relative humidity level in that range. at 60 psi. The minimum flow rate of residential lavatory faucets shall Information about water-conserving landscape and irrigation design and controllers which conserve inute at 20 psi. 7. Instructions for maintaining gutters and downspouts and the importance of diverting water at least 5 Common and Public Use Areas. - NOT USED feet away from the foundation. 8. Information on required routine maintenance measures, including, but not limited to, caulking, NOT USED painting, grading around the building, etc. 9. Information about state solar energy and incentive programs available. he maximum flow rate of kitchen faucets shall not exceed 1.8 gallons 10. A copy of all special inspections verifications required by the enforcing agency or this code. cets may temporarily increase the flow above the maximum rate, but not 11. Information from the Department of Forestry and Fire Protection on maintenance of defensible at 60 psi, and must default to a maximum flow rate of 1.8 gallons per space around residential structures 12. Information and/or drawings identifying the location of grab bar reinforcements. are unavailable, aerators or other means may be used to achieve 4.410.2 RECYCLING BY OCCUPANTS. Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible area(s) that serves all buildings on the site and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, es. - NOT USED corrugated cardboard, glass, plastics, organic waster, and metals, or meet a lawfully enacted local recycling ordinance, if more restrictive. and dwelling units in mixed-used residential/commercial **Exception:** Rural jurisdictions that meet and apply for the exemption in Public Resources Code Section 42649.82 (a)(2)(A) et seq. are note required to comply with the organic waste portion of fittings. Plumbing fixtures and fittings shall be installed in this section , and shall meet the applicable standards referenced in Table DIVISION 4.5 ENVIRONMENTAL QUALITY SECTION 4.501 GENERAL SECTION 4.303.1, AND IS INCLUDED AS A 4.501.1 Scope The provisions of this chapter shall outline means of reducing the quality of air contaminants that are odorous, irritating and/or harmful to the comfort and well being of a building's installers, occupants and neighbors. WATER USE **SECTION 4.502 DEFINITIONS** FLOW RATE 5.102.1 DEFINITIONS The following terms are defined in Chapter 2 (and are included here for reference) 1.8 GMP @ 80 PSI AGRIFIBER PRODUCTS. Agrifiber products include wheatboard, strawboard, panel substrates and door MAX. 1.2 GPM @ 60 PSI MIN. 0.8 GPM @ 20 cores, not including furniture, fixtures and equipment (FF&E) not considered base building elements. PSI COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and PUBLIC 0.5 GPM @ 60 PSI medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, prefabricated wood I-joists or finger-jointed lumber, all as specified in California Code of regulations (CCR), title 17, Section 1.8 GPM @ 60 PSI 93120.1 0.2 GAL/CYCLE DIRECT-VENT APPLIANCE. A fuel-burning appliance with a sealed combustion system that draws all air for 1.28 GAL/FLUSH combustion from the outside atmosphere and discharges all flue gases to the outside atmosphere. 0.125 GAL/FLUSH MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base Reactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundredths of a gram (g O<sup>3</sup>/g ROC). Note: MIR values for individual compounds and hydrocarbon solvents are specified in CCR, Title 17, Sections 94700 N LANDSCAPE AREAS. Residential developments shall comply with and 94701. he current California Department of Water Resources' Model Water MOISTURE CONTENT. The weight of the water in wood expressed in percentage of the weight of the oven-dry wood. hever is more stringent PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of e Ordinance (MWELO) is located in the California Code Regulations, product (excluding container and packaging). Note: PWMIR is calculated according to equations found in CCR, Title 17, Section 94521 (a). ELO and supporting documents, including water budget calculator, are **REACTIVE ORGANIC COMPOUND (ROC).** Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere CONSERVATION AND RESOURCE **VOC.** A volatile organic compound (VOC) broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a). AND REDUCED MAINTENANCE 4.503 FIREPLACES s around pipes, electric cables, conduits or other openings in **4.503.1 GENERAL**. Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed be protected against the passage of rodents by closing such woodstove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as masonry or a similar method acceptable to the enforcing applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances. REDUCTION, DISPOSAL AND RECYCLING 4.504 POLLUTANT CONTROL **MENT.** Recycle and/or salvage for reuse a minimum of 65 4.504.1 COVERING OF DUCT OPENINGS & PROTECTION OF MECHANICAL EQUIPMENT DURING ion and demolition waste in accordance with either Section **CONSTRUCTION.** At the time of rough installation, during storage on the construction site and until final nore stringent local construction and demolition waste startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of water, dust or debris which may enter the system. 4.504.2 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with this section. leveloped by working with local agencies if diversion or 4.504.2.1 Adhesives, Sealants and Caulks. Adhesives, sealant and caulks used on the project shall meet the ice with this item do not exist or are not located reasonably requirements of the following standards unless more stringent local or regional air pollution or air quality management district rules apply: ceptions to the requirements of this section when isolated the haul boundaries of the diversion facility. 1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air guality management district rules where MENT PLAN. Submit a construction waste management plan applicable or SCAQMD Rule 1168 VOC limits, as shown in Table 4.504.1 or 4.504.2, as applicable. The construction waste management plan shall be updated as Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic construction for examination by the enforcing agency. compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and tricloroethylene), except for aerosol products, as specified in Subsection 2 below. ion waste materials to be diverted from disposal by recycling, uture use or sale. 2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in waste materials will be sorted on-site (source separated) or units of product, less packaging, which do not weigh more than 1 pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including construction and demolition waste material collected will be prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with section 94507. yed to reduce the amount of construction and demolition waste 4.504.2.2 Paints and Coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of ion and demolition waste materials diverted shall be calculated the ARB Architectural Suggested Control Measure, as shown in Table 4.504.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 4.504.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss Utilize a waste management company, approved by the coating, based on its gloss, as defined in subsections 4.21, 4.36, and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in ifiable documentation that the percentage of construction and the landfill complies with Section 4.408.1. Table 4.504.3 shall apply. ke the determination if the construction and demolition waste 4.504.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings shall meet the Product-weighted MIR nagement company. Limits for ROC in Section 94522(a)(2) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(e)(1) and (f)(1) of California Code of ERNATIVE [LR]. Projects that generate a total combined Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air aste disposed of in landfills, which do not exceed 3.4 Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation the minimum 65% construction waste reduction requirement in 8. Rule 49. **4.504.2.4 Verification.** Verification of compliance with this section shall be provided at the request of the **ON ALTERNATIVE.** Projects that generate a total combined enforcing agency. Documentation may include, but is not limited to, the following: aste disposed of in landfills, which do not exceed 2 pounds I meet the minimum 65% construction waste reduction 1. Manufacturer's product specification. 2. Field verification of on-site product containers. shall be provided to the enforcing agency which demonstrates **4.504.3 CARPET SYSTEMS.** All carpet installed in the building interior shall meet the requirements of the 1 through 5, Section 4.408.3 or Section 4.408.4. California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350) de to the California Green Building Standards Code See California Department of Public Health's website for certification programs and testing labs. .hcd.ca.gov/CALGreen.html may be used to assist in https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx. this section. ition debris (C & D) processors can be located at the California cycling and Recovery (CalRecycle). 4.504.3.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic AND OPERATION Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January **IANUAL.** At the time of final inspection, a manual, compact 2017 (Emission testing method for California Specification 01350) ia acceptable to the enforcing agency which includes all of the See California Department of Public Health's website for certification programs and testing labs. that the manual shall remain with the building throughout the https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx. ons for the following: 4.504.3.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 4.504.1. cluding water-saving devices and systems, HVAC systems, vehicle chargers, water-heating systems and other major **4.504.4 RESILIENT FLOORING SYSTEMS.** Where resilient flooring is installed , at least 80% of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health, "Standard ding gutters and downspouts. Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using cluding condensers and air filters. Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350) See California Department of Public Health's website for certification programs and testing labs. nd waste recovery providers on methods to further reduce hhtps://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx.

| Y = YES<br>N/A = NOT APPLICABLE<br>RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER,<br>OWNER, CONTRACTOR, INSPECTOR ETC.)                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DIVISION 4.5 ENVIRONMENTAL QUALITY (continued)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>4.504.5 COMPOSITE WOOD PRODUCTS.</b> Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.), by or before the dates specified in those sections, as shown in Table 4.504.5                                                                                               |
| <b>4.504.5.1 Documentation.</b> Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:                                                                                                                                                                                                                                                                                                      |
| <ol> <li>Product certifications and specifications.</li> <li>Chain of custody certifications.</li> <li>Product labeled and invoiced as meeting the Composite Wood Products regulation (see<br/>CCR, Title 17, Section 93120, et seq.).</li> <li>Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered<br/>Wood Association, the Australian AS/NZS 2269, European 636 3S standards, and Canadian CSA<br/>0121, CSA 0151, CSA 0153 and CSA 0325 standards.</li> </ol> |
| 5. Other methods acceptable to the enforcing agency.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <ul> <li>4.505 INTERIOR MOISTURE CONTROL</li> <li>4.505.1 General. Buildings shall meet or exceed the provisions of the California Building Standards Code.</li> </ul>                                                                                                                                                                                                                                                                                                                               |
| <b>4.505.2 CONCRETE SLAB FOUNDATIONS.</b> Concrete slab foundations required to have a vapor retarder by California Building Code, Chapter 19, or concrete slab-on-ground floors required to have a vapor retarder by the California Residential Code, Chapter 5, shall also comply with this section.                                                                                                                                                                                               |
| <b>4.505.2.1 Capillary break.</b> A capillary break shall be installed in compliance with at least one of the following:                                                                                                                                                                                                                                                                                                                                                                             |
| 1. A 4-inch (101.6 mm) thick base of 1/2 inch (12.7mm) or larger clean aggregate shall be provided with a vapor barrier in direct contact with concrete and a concrete mix design, which will address bleeding, shrinkage, and curling, shall be used. For additional information, see American Concrete Institute, ACL 302 2R-06                                                                                                                                                                    |

2. Other equivalent methods approved by the enforcing agency. 3. A slab design specified by a licensed design professional.

4.505.3 MOISTURE CONTENT OF BUILDING MATERIALS. Building materials with visible signs of water damage shall not be installed. Wall and floor framing shall not be enclosed when the framing members exceed 19 percent moisture content. Moisture content shall be verified in compliance with the following:

- 1. Moisture content shall be determined with either a probe-type or contact-type moisture meter. Equivalent moisture verification methods may be approved by the enforcing agency and shall satisfy requirements
- found in Section 101.8 of this code. 2. Moisture readings shall be taken at a point 2 feet (610 mm) to 4 feet (1219 mm) from the grade stamped end of each piece verified
- 3. At least three random moisture readings shall be performed on wall and floor framing with documentation acceptable to the enforcing agency provided at the time of approval to enclose the wall and floor framing.

Insulation products which are visibly wet or have a high moisture content shall be replaced or allowed to dry prior to enclosure in wall or floor cavities. Wet-applied insulation products shall follow the manufacturers' drying recommendations prior to enclosure.

#### 4.506 INDOOR AIR QUALITY AND EXHAUST

- 4.506.1 Bathroom exhaust fans. Each bathroom shall be mechanically ventilated and shall comply with the following
- 1. Fans shall be ENERGY STAR compliant and be ducted to terminate outside the building. 2. Unless functioning as a component of a whole house ventilation system, fans must be controlled by a humidity control.
  - a. Humidity controls shall be capable of adjustment between a relative humidity range less than or equal to 50% to a maximum of 80%. A humidity control may utilize manual or automatic means of adjustment
  - b. A humidity control may be a separate component to the exhaust fan and is not required to be integral (i.e., built-in)

acceptable

1. For the purposes of this section, a bathroom is a room which contains a bathtub, shower or tub/shower combination 2. Lighting integral to bathroom exhaust fans shall comply with the California Energy Code.

#### 4.507 ENVIRONMENTAL COMFORT

- 4.507.2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN. Heating and air conditioning systems shall be sized, designed and have their equipment selected using the following methods:
- 1. The heat loss and heat gain is established according to ANSI/ACCA 2 Manual J 2011 (Residential
- Load Calculation), ASHRAE handbooks or other equivalent design software or methods. 2. Duct systems are sized according to ANSI/ACCA 1 Manual D - 2014 (Residential Duct Systems),
- ASHRAE handbooks or other equivalent design software or methods. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S - 2014 (Residential Equipment Selection), or other equivalent design software or methods.
- **Exception:** Use of alternate design temperatures necessary to ensure the system functions are

#### **CHAPTER 7 INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS** 702 QUALIFICATIONS

**702.1 INSTALLER TRAINING.** HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

- State certified apprenticeship programs. 2. Public utility training programs.
- 3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations. 4. Programs sponsored by manufacturing organizations.

#### 5. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

- 1. Certification by a national or regional green building program or standard publisher. 2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.
- 3. Successful completion of a third party apprentice training program in the appropriate trade. 4. Other programs acceptable to the enforcing agency.

1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code. 2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

[BSC] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

**Note:** Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

### 703 VERIFICATIONS

**703.1 DOCUMENTATION.** Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS TH

FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH T WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE COUNTY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF RSIDE BUILDING DEPARTMENT. BUILDING CODES CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. . THE RECIPIENT RECOGNIZES AND ACKNOWLEDGE THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY

USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOL DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS LIABILITY, DEMANDS, JUDGMENTS, OR COSTS

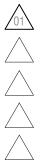
ARISING OUT OF OR RESULTING THERE FROM AN USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO

COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

project

### County of Riverside **Pre-Approved ADU Program**

revisions



#### description

# Calgreen

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | design path studio |
| sheet no.   |                    |

|            | ARCHITECTUAL GENERAL NOTES                                                                                                                                              |     | ROOF NOTES (CONT'D)                                                                                                                                                    |     | FLOOR PLAN NOTES (CONT'D)                                                                                                                                                           |     |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|            | DO NOT SCALE THE DRAWING, USE THE DIMENSIONS ONLY. IF A DISCREPANCY IS FOUND TO EXIST, NOTIFY THE OWNER.                                                                | 14. | FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33<br>PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN<br>AN 18-INCH (457 MM) CLEAR SETBACK IS REQUIRED ON BOTH | 19. | VOC'S MUST COMPLY WITH THE LIMITATION LISTED IN SECTION<br>4.504.3 AND TABLES 4.504.1, 4.504.2, 4.504.3, AND 4.504.4 FOR:<br>ADHESIVES, PAINTS, STAINS, CAULKS AND COATINGS, CARPET | 5.  |
|            | THESE PLANS/SPECIFICATIONS AND ALL WORK SHALL COMPLY<br>WITH CURRENT EDITION OF STATE OF CALIFORNIA TITLE 24 CCR<br>AND CURRENT CPC, CMC AND CEC CODES.                 |     | SIDES OF A HORIZONTAL RIDGE. FOR PHOTOVOLTAIC ARRAYS<br>OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL                                                          |     | AND COMPOSITION WOOD PRODUCTS.DOCUMENTATION SHALL<br>BE PROVIDED TO VERIFY THAT COMPLIANT VOC LIMIT FINISHED                                                                        | 6.  |
|            | DETAILS ARE INTENDED TO SHOW METHOD AND MANNER OF<br>ACCOMPLISHING WORK. MINOR MODIFICATIONS MAY BE                                                                     |     | ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK<br>IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE.                                                          | 20. | MATERIALS HAVE BEEN USED.<br>INTERIOR MOISTURE CONTROL AT SLAB ON GRADE FLOORS                                                                                                      | 7.  |
|            | REQUIRED TO SUIT THE JOB DIMENSIONS OR CONDITIONS AND IS                                                                                                                | 15. | PER SECTION R806.5/EM3.9.6:<br>a. WHERE ONLY AIR-IMPERMEABLE IS PROVIDED, IT SHALL BE                                                                                  |     | SHALL BE PROVIDED BY THE SOIL ENGINEER. IF A SOIL<br>ENGINEER HAS NOT PREPARED A SOIL REPORT FOR THIS                                                                               | 8.  |
|            | OF RIVERSIDE.                                                                                                                                                           |     | APPLIED IN DIRECT CONTACT WITH UNDERSIDE OF THE<br>STRUCTURAL ROOF SHEATHING.                                                                                          |     | PROJECT, THE FOLLOWING IS REQUIRED: A 4" THICK BASE OF 1/2" OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH                                                                        | 9.  |
|            | /ERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE AND<br>STAKE OUT STRUCTURE FOR OWNER'S APPROVAL PRIOR TO                                                               |     | b. WHERE AIR-PERMEABLE INSULATION IS INSTALLED DIRECTLY<br>BELOW THE STRUCT. SHEATHING, RIGID BOARD OR SHEET                                                           |     | A VAPOR BARRIER IN DIRECT CONTACT WITH CONCRETE, WITH<br>A CONCRETE MIX DESIGN WHICH WILL ADDRESS BLEEDING.                                                                         | 10. |
|            | STARTING ANY WORK.                                                                                                                                                      |     | INSULATION SHALL BE INSTALLED DIRECTLY ABOVE THE<br>STRUCTURAL ROOF SHEATHING W/ MIN. R VALUE BASED ON                                                                 | 21. | SHRINKAGE AND CURLING SHALL BE USED.<br>MOISTURE CONTENT OF WOOD SHALL NOT EXCEED 19% BEFORE                                                                                        |     |
|            | ALL WEATHER-EXPOSED SURFACES ARE TO HAVE A<br>WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL                                                                    |     | CLIMATE ZONE PER TABLE R806.5.<br>c. WHERE BOTH AIR-IMPERMEABLE AND AIR-PERMEABLE                                                                                      | 21. | IT IS ENCLOSED IN CONSTRUCTION. THE MOISTURE CONTENT                                                                                                                                | 11. |
|            | COVERING AND THAT EXTERIOR OPENINGS ARE TO BE FLASHED<br>N SUCH A MANNER AS TO MAKE THEM WEATHERPROOF.                                                                  |     | INSULATION ARE PROVIDED, THE AIR-IMPERMEABLE INSULATION                                                                                                                |     | NEEDS TO BE CERTIFIED BY ONE OF 3 METHODS SPECIFIED.<br>BUILDING MATERIAL WITH VISIBLE SIGNS OF WATER DAMAGE                                                                        | 12. |
|            | SPECIFICATIONS FOR EQUIPMENT SHALL BE KEPT ON SITE TO<br>PROVIDE TO THE COUNTY OF RIVERSIDE BUILDING INSPECTOR                                                          |     | SHALL BE APPLIED IN DIRECT CONTACT WITH THE UNDERSIDE OF<br>THE STRUCT. ROOF SHEATHING w/ MIN. R VALUE BASED ON                                                        |     | SHOULD NOT BE USED IN CONSTRUCTION. THE MOISTURE<br>CONTENT MUST BE DETERMINED BY THE CONTRACTOR BY ONE                                                                             | 13. |
| <b>7</b> . | AN ENCROACHMENT PERMIT IS REQUIRED FOR ANY                                                                                                                              |     | CLIMATE ZONE PER TABLE R806.5.FOR CONDENSATION<br>CONTROL.                                                                                                             | 22. | OF THE LISTED METHODS LISTED IN CGC SECTION 4.505.3<br>PRIOR TO FINAL APPROVAL OF THE BUILDING THE LICENSED                                                                         |     |
|            | CONSTRUCTION, RECONSTRUCTION, OR CLOSURE OR THE ROADWAY, SIDEWALK OR RIGHT OF WAY. APPLICANT SHALL                                                                      |     | FLOOR PLAN NOTES                                                                                                                                                       |     | CONTRACTOR, ARCHITECT OR ENGINEER IN RESPONSIBLE<br>CHARGE OF THE OVERALL CONSTRUCTION MUST COMPLETE                                                                                | 11  |
|            | CONTACT ENGINEERING DEPARTMENT TO PROCESS.<br>APPLICANT IS RESPONSIBLE TO PROVIDE SITE PLAN (PLOT PLAN)                                                                 | 1.  | ALL DIMENSIONS TO FACE OF STUD, U.N.O.                                                                                                                                 |     | AND SIGN THE GREEN BUILDING STANDARDS CERTIFICATION<br>FORM AND GIVEN TO THE BUILDING DEPT OFFICIAL TO BE FILED                                                                     | 14. |
|            | TO THE COUNTY FOR REVIEW AND APPROVAL.                                                                                                                                  | 2.  | ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O.                                                                                       |     | WITH THE APPROVED PLANS                                                                                                                                                             | 15. |
|            | APPLICANT IS RESPONSIBLE TO VERIFY WHETHER THE JOB SITE IS<br>_OCATED WITHIN A FEDERAL EMERGENCY MANAGEMENT AGENCY                                                      | 3.  | WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF                                                                                                                          | 23. | LANDSCAPE IRRIGATION WATER USE SHALL HAVE WEATHER<br>BASED CONTROLLERS.                                                                                                             | 16. |
|            | (FEMA) FLOOD ZONE. PROJECTS LOCATED IN A SPECIAL FLOOD<br>HAZARD AREA DESIGNATED ON THE FLOOD INSURANCE RATE MAP                                                        |     | DRAWINGS. CONTRACTOR TO VERIFY ALL DIM. PRIOR TO<br>CONSTRUCTION AND IMMEDIATELY NOTIFY OWNER OF ANY                                                                   | 24. | PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL<br>SHALL MANAGE STORM WATER DRAINAGE DURING                                                                                       |     |
|            | FIRM) AS ZONE A OR AE, SHALL PROVIDE AN ELEVATION<br>CERTIFICATE WITH SUPPORTED DOCUMENTS TO THE COUNTY FOR                                                             | 4.  | DISCREPANCIES.<br>REFER TO FRAMING PLANS AND SECTIONS FOR CLARIFICATION                                                                                                |     | CONSTRUCTION BY ONE OF THE FOLLOWING: A. RETENTION<br>BASIN. B. WHERE STORM WATER IS CONVEYED TO A PUBLIC                                                                           | 17. |
|            | REVIEW AND APPROVAL PRIOR TO BUILDING PERMIT ISSUANCE.<br>SUBMIT GRADING PLANS AND/OR PROVIDE ADU GRADING                                                               | 5.  | AND DIM. NOT SHOWN .<br>ALL ROOF DRAIN PIPES TO BE MIN. 2" STORM DRAINAGE SYSTEM                                                                                       |     | DRAINAGE SYSTEM, WATER SHALL BE FILTERED BY USE OF A<br>BARRIER SYSTEM, WATTLE OR OTHER APPROVED METHOD. CGC                                                                        |     |
|            | PERMIT EXEMPTION CHECKLIST FOR REVIEW AND APPROVAL AT<br>TIME OF PERMIT APPLICATION.                                                                                    |     | UNLESS LOCAL CODE REQUIRES LARGER DRAIN SIZES.<br>ROOF GUTTERS:                                                                                                        | -   | 4.106.2.                                                                                                                                                                            | 18. |
|            | THE PV SYSTEM WILL BE SUBMITTED UNDER A SEPARATE PERMIT.                                                                                                                |     | STYLE A . INSTALLED AND DESIGNED IN ACCORDANCE WITH<br>SMACNA MANUAL, PLATE #1,#2 & #3,GUTTER. PAGE 6 - 11,                                                            | 25. | THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION WASTE<br>MANAGEMENT PLAN TO THE JURISDICTION AGENCY THAT                                                                                 |     |
|            | A PHOTOVOLTAIC (SOLAR) SYSTEM BUILDING AND ELECTRICAL<br>PERMIT SHALL BE ISSUED PRIOR TO ADU BUILDING FRAME                                                             |     | WIDTH AS REQUIRED TO HANDLE THE AMOUNT OF ROOF WATER<br>FOR MAXIMUM STORMS, SMACNA CHART #2, PAGE #2.                                                                  | 00  | REGULATES WASTE MANAGEMENT, PER CGC 4.408.2.                                                                                                                                        |     |
|            | NSPECTION REQUEST.<br>SOIL REPORT REQUIREMENT: IF A SOILS REPORT IS REQUIRED BY                                                                                         |     | GUTTER: SIZE; PAGES 1,2, 3, 4, 5 &6, CHARTS#1,#2,#3,#4,#5#6 &<br>#7                                                                                                    | 26. | THE BUILDER IS TO PROVIDE AN OPERATION MANUAL<br>(CONTAINING INFORMATION FORM MAINTAINING APPLIANCES,                                                                               | 1.  |
|            | THE LOCAL JURISDICTION, THE GEOTECHNICAL INVESTIGATIONS<br>SHALL BE CONDUCTED IN ACCORDANCE WITH CBC SECTION 1803.2                                                     |     | <u>STYLE;</u> PLATE #2, STYLE A, PAGE 9<br>EXPANSION;PLATE #6, PAGE 16 &17                                                                                             |     | ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION. CGC 4.410.0                                                                                                                    |     |
|            | AND REPORTED IN ACCORDANCE WITH CBC SECTION 1803.6THE<br>GEOTECHNICAL ENGINEER OF RECORD SHALL REVIEW THE                                                               |     | HANGING; PLATE #0, FIG. C, PAGE 43.<br>DOWN SPOUTS:                                                                                                                    | 27. | DURING CONSTRUCTION, ENDS OF DUCT OPENINGS ARE TO<br>BE SEALED, AND MECHANICAL EQUIPMENT IS TO BE                                                                                   | 2.  |
|            | COUNTY APPROVED PLANS FOR GENERAL CONFORMANCE WITH                                                                                                                      |     | PLAIN RECTANGULAR.AS REQUIRED BY SMACNA MANUAL                                                                                                                         |     | COVERED. CGC 4.504.1                                                                                                                                                                |     |
|            | THE SOIL REPORT; OTHERWISE, AN ALTERNATE FOUNDATION PLAN<br>DESIGNED BY A CALIFORNIA REGISTERED CIVIL ENGINEER IS                                                       |     | CHART #3, PAGE #3. SEE ARCHITECT FOR LOCATIONS OF<br>DOWN SPOUTS. ALL DOWN SPOUTS ARE TO BE DESIGNED TO                                                                | 28. | BATHROOM FANS SHALL BE ENERGY STAR RATED, VENTED DIRECTLY TO THE OUTSIDE AND CONTROLLED BY A HUMIDISTAT.                                                                            |     |
|            |                                                                                                                                                                         |     | HANDLE THE AMOUNT OF ROOF WATER FOR MAXIMUM<br>STORMS, SMACNA CHART #2, PAGE #2. DOWN SPOUTS ARE                                                                       | 29. | SPECIAL INSPECTORS EMPLOYED BY THE ENFORCING AGENCY<br>MUST BE QUALIFIED AND ABEL TO DEMONSTRATE COMPETENCE                                                                         |     |
|            | ROOF NOTES                                                                                                                                                              |     | TO DEPOSIT DIRECTLY OVER A NDS 6 INCH SQUARE, MODEL<br>641 OR APPROVED EQUAL.(SEE SECTION 02710 MORE                                                                   |     | IN THE DISCIPLINE THEY ARE INSPECTING.                                                                                                                                              | 3.  |
|            | FLASHINGS SHALL BE INSTALLED IN A MANNER THAT PREVENTS<br>MOISTURE FROM ENTERING THE WALL AND ROOF THROUGH                                                              | 0   | INFORMATION )<br>TRANSITION OF FLOOR MATERIALS OCCURRING IN OPENINGS                                                                                                   | 30. | VERIFICATION OF COMPLIANCE WITH THIS CODE MAY INCLUDE<br>CONSTRUCTION DOC. PLANS, SPECIFICATION BUILDER OR                                                                          |     |
|            | JOINTS IN COPINGS, THROUGH MOISTURE PERMEABLE<br>MATERIALS AND AT INTERSECTIONS WITH PARAPET WALLS AND                                                                  | 6.  | WITH DOORS TO BE LOCATED UNDER THE CENTER OF THE                                                                                                                       |     | INSTALLER CERTIFICATIONS, INSPECTIONS REPORTS, OR OTHER<br>METHODS ACCEPTABLE TO THE ENFORCING AGENCY WHICH TO                                                                      | 4   |
|            | OTHER PENETRATIONS THROUGH THE ROOF PLANE.<br>UNLESS ROOFS ARE SLOPED TO DRAIN OVER ROOF EDGES, ROOF                                                                    |     | DOOR IN THE CLOSED POSITION. TRANSITION OF FLOOR<br>MATERIAL OCCURRING WITH NO DOOR TO BE LOCATED TO                                                                   |     | SHOW SUBSTANTIAL CONFORMATION.                                                                                                                                                      |     |
|            | DRAINS SHALL BE INSTALLED AT EACH LOW POINT OF ROOF.<br>ROOF ASSEMBLIES SHALL BE OF MATERIALS THAT ARE                                                                  | 7   | ALIGN WITH THE FACE OF THE PARTITION, U.O.N<br>DIFFUSERS AND GRILLS TO MATCH COLOR OF SURFACE AT                                                                       | 31. | NEW SINGLE FAMILY RESIDENTIAL CONSTRUCTION SHALL BE<br>DESIGNED FOR AGING-IN-PLACE DESIGN AND FALL PREVENTION                                                                       |     |
|            | COMPATIBLE WITH EACH OTHER AND WITH THE BUILDING OR                                                                                                                     | 1.  | WHICH THEY ARE MOUNTED, U.O.N.                                                                                                                                         |     | PER R327 SEE SHEET A5.3 FOR AGING IN PLACE DETAILS<br>A) AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE                                                                          | 5.  |
|            | STRUCTURE TO WHICH THE MATERIALS ARE APPLIED.<br>BUILDING-INTEGRATED PHOTOVOLTAIC PRODUCTS INSTALLED                                                                    | 8.  | FLOOR FINISH TO CONTINUE UNDER MILLWORK WHERE FLOOR<br>IS VISIBLE (I.E. TRASH, RECYCLING, ECT.) 8. SILICON SEALANT AT                                                  |     | PROVIDED WITH REINFORCEMENT INSTALLED. WHERE THERE IS NO BATHROOM ON THE ENTRY LEVEL, AT LEAST ONE BATHROOM                                                                         |     |
|            | AS THE ROOF COVERING SHALL BE TESTED, LISTED AND<br>LABELED FOR FIRE CLASSIFICATION IN ACCORDANCE WITH                                                                  | 9   | GLAZING TO BE CLEAR, U.O.N.<br>PLUMBING, ELECTRICAL, AND SPRINKLER EQUIPMENT, IF                                                                                       |     | ON THE SECOND OR THIRD FLOOR OF THE DWELLING SHALL COMPLY WITH THIS SECTION.                                                                                                        |     |
|            | SECTION R902.1 THROUGH R902.4.<br>ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF                                                                                 | 9.  | REQUIRED TO BE PAINTED<br>TO MATCH COLOR OF ADJACENT SURFACE.                                                                                                          |     | B) REINFORCEMENT SHALL BE SOLID LUMBER OR OTHER<br>CONSTRUCTION MATERIALS APPROVED BY THE ENFORCING                                                                                 |     |
|            | TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT                                                                                                                   | 10. | ALL FINISH MATERIAL MUST MEET ALL APPLICATION FIRE, LIFE                                                                                                               |     | AGENCY.                                                                                                                                                                             | 7.  |
|            | SLOPE) OR GREATER. FOR ROOF SLOPES FROM TWO UNITS<br>VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE) UP TO<br>FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (23 DEPCENT |     | SAFETY, AND BUILDING CODES. 80% OF FLOOR AREA RECEIVING<br>RESILIENT FLOORING SHALL COMPLY WITH SPECIFIED VOC                                                          |     | C) REINFORCEMENT SHALL NOT BE LESS THAN 2 BY 8 INCH<br>NOMINAL LUMBER. REINFORCEMENT SHALL BE LOCATED<br>RETWEEN 32 INCHES AND 30 1/4 INCHES ABOVE THE EINISHED                     |     |
|            | FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT<br>SLOPE), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN                                                        |     | CRITERIA. PARTICLE BOARD, MDF AND PLYWOOD USED IN<br>INTERIOR FINISH SYSTEMS SHALL COMPLY WITH LOW                                                                     |     | BETWEEN 32 INCHES AND 39-1/4 INCHES ABOVE THE FINISHED<br>FLOOR FLUSH WITH THE WALL FRAMING.                                                                                        | 8.  |
|            | ACCORDANCE WITH SECTION R905.1.1.<br>CLAY AND CONCRETE ROOF TILE SHALL BE INSTALLED ON ROOF                                                                             |     | FORMALDEHYDE EMISSION STANDARDS.                                                                                                                                       |     | D) WATER CLOSET REINFORCEMENT SHALL BE INSTALLED ON<br>BOTH SIDE WALLS OF THE FIXTURE, OR ONE SIDE WALL AND THE                                                                     |     |
|            | SLOPES OF TWO AND ONE-HALF UNITS VERTICAL IN 12 UNITS<br>HORIZONTAL (25-PERCENT SLOPE) OR GREATER. FOR ROOF                                                             | 11. | OPERATION AND MAINTENANCE MANUAL: THE BUILDER IS TO<br>PROVIDE AN OPERATION MANUAL (CONTAINING INFORMATION                                                             |     | BACK WALL.<br>E) SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE                                                                                                                     | 9.  |
|            | SLOPES FROM TWO AND ONE-HALF UNITS VERTICAL IN 12 UNITS<br>HORIZONTAL (25-PERCENT SLOPE) TO FOUR UNITS VERTICAL IN                                                      |     | FOR MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION.                                                                                       |     | WALL FRAMING IS PROVIDED.<br>F) BATHTUB AND COMBINATION BATHTUB/SHOWER                                                                                                              |     |
|            | 12 UNITS HORIZONTAL (33-PERCENT SLOPE), DOUBLE<br>UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE                                                                    | 12. | WEEP SCREED FOR STUCCO AT THE FOUNDATION PLATE LINE<br>SHALL BE A MIN. OF 4" ABOVE THE EARTH OR 2" ABOVE PAVED                                                         |     | REINFORCEMENT SHALL BE CONTINUOUS ON EACH END OF THE BATHTUB AND THE BACK WALL. ADDITIONALLY, BACK WALL                                                                             |     |
|            | WITH SECTION R905.3.3.                                                                                                                                                  | 10  | AREAS. CRC R703.7.2.1, CBC 2512.1.2                                                                                                                                    |     | REINFORCEMENT FOR A LOWER GRAB BAR SHALL BE PROVIDED WITH THE BOTTOM EDGE LOCATED NO MORE THAN 6 INCHES                                                                             |     |
|            | SLATE SHINGLES SHALL BE USED ONLY ON SLOPES OF FOUR<br>UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE)                                                         | 13. | FASTENERS AND CONNECTIONS (NAILS, ANCHORS BOLTS ECT)<br>IN CONTACT WITH PRESERVATIVE -TREATED WOOD SHALL BE OF                                                         |     | ABOVE THE BATHTUB RIM.                                                                                                                                                              |     |
|            | OR GREATER.<br>THE MINIMUM SLOPE FOR STANDING-SEAM ROOF SYSTEMS                                                                                                         |     | HOT -DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS<br>STEEL, SILICON BRONZE OR COPPER. (CRC R317.3, CBC                                                               |     | MECHANICAL NOTES                                                                                                                                                                    | 10. |
|            | SHALL BE ONE-QUARTER UNIT VERTICAL IN 12 UNITS<br>HORIZONTAL (2-PERCENT SLOPE).                                                                                         | 14. | 2304.10.5)<br>ANCHOR BOLTS SHALL INCLUDE STEEL PLATE WASHERS A MIN.                                                                                                    | 1.  | CARBON MONOXIDE ALARMS SHALL BE INTERCONNECTED IN<br>SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL                                                                             |     |
|            | BUILT-UP ROOFS SHALL HAVE A DESIGN SLOPE OF NOT LESS                                                                                                                    |     | OF 0.229" X 3" X 3" IN SIZE, BETWEEN SILL PLATE AND NUT. (CRC R602.11.1, CBC 2308.3.2 ACCEPTANCE ALTERNATIVE SDPWS                                                     |     | ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL DWELLING<br>UNIT. [CRC R315.5] CARBON MONOXIDE ALARMS SHALL RECEIVE                                                                    |     |
|            | THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL<br>(2-PERCENT SLOPE) FOR DRAINAGE, EXCEPT FOR COAL-TAR                                                             | 4-  | 4.3.6.4.3)                                                                                                                                                             |     | THEIR PRIMARY POWER FROM THE BUILDING WIRING WHERE                                                                                                                                  |     |
|            | BUILT-UP ROOFS, WHICH SHALL HAVE A DESIGN SLOPE OF A<br>MINIMUM ONE-EIGHTH UNIT VERTICAL IN 12 UNITS HORIZONTAL                                                         | 15. | FUTURE WATER HEATERS AND PLUMBING FIXTURES SHALL MEET<br>THE REQUIREMENTS OF SECTION 2-5314 AND TABLE 2-53G, TITLE                                                     |     | SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND,<br>WHERE PRIMARY POWER IS INTERRUPTED, SHALL RECEIVE                                                                            | 11. |
|            | (1-PERCENT SLOPE).                                                                                                                                                      | 16. | 24, C.A.C.<br>15, 20 AND 30 AMP. RECEPTACLE OUTLETS SHALL BE INSTALLED                                                                                                 |     | POWER FROM A BATTERY. WIRING SHALL BE PERMANENT AND<br>WITHOUT A DISCONNECTING SWITCH OTHER THAN THOSE                                                                              | 12. |
|            | MINERAL-SURFACED ROLL ROOFING SHALL NOT BE APPLIED ON<br>ROOF SLOPES BELOW ONE UNIT VERTICAL IN 12 UNITS                                                                |     | NO MORE THAN 48" MEASURED FROM THE TOP OF OUTLET BOX<br>AND NOT LESS THAN 15" FROM THE BOTTOM OF OUTLET BOX                                                            | 2.  | REQUIRED FOR OVERCURRENT PROTECTION. [CRC R315.6]<br>WHERE WATER CLOSET COMPARTMENT IS INDEPENDENT OF                                                                               |     |
|            | HORIZONTAL (8-PERCENT SLOPE).                                                                                                                                           | 17  | ABOVE THE FLOOR.                                                                                                                                                       |     | THE BATHROOM OR SHOWER AREA, A FAN WILL BE REQ. IN<br>EACH AREA. BATHROOMS SHALL HAVE AN EXHAUST FAN WITH                                                                           | 13. |
|            |                                                                                                                                                                         | 17. | SITE SHALL BE PLANNED AND DEVELOPED TO KEEP SURFACE<br>WATER AWAY FROM BUILDINGS. PLANS SHALL BE APPROVED BY                                                           |     | HUMIDITY CONTROL SENSOR, MIN. 50 CFM CAPACITY. (CRC                                                                                                                                 | 11  |
|            | NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS                                                                                                                      |     | THE CITY ENGINEER THAT SHOW SITE GRADING AND PROVIDE                                                                                                                   |     | R303.3.1)                                                                                                                                                                           | 14. |
|            | NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS<br>HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE.<br>SINGLE-PLY MEMBRANE ROOFS SHALL HAVE A DESIGN SLOPE OF              |     | FOR STORM WATER RETENTION AND DRAINAGE DURING                                                                                                                          | 3.  |                                                                                                                                                                                     | 15. |
|            | HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE.<br>SINGLE-PLY MEMBRANE ROOFS SHALL HAVE A DESIGN SLOPE OF<br>NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS              |     | FOR STORM WATER RETENTION AND DRAINAGE DURING<br>CONSTRUCTION. BMP'S THAT ARE CURRENTLY ENFORCED BY<br>THE CITY ENGINEER MUST BE IMPLEMENTED PRIOR TO INITIAL          | 3.  | FIXTURES SHALL BE PROVIDED WITH AN EXHAUST FAN WITH<br>HUMIDITY CONTROL SENSOR HAVING A MIN. CAPACITY OF 50                                                                         | 15. |
|            | HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE.<br>SINGLE-PLY MEMBRANE ROOFS SHALL HAVE A DESIGN SLOPE OF                                                                    | 18. | CONSTRUCTION. BMP'S THAT ARE CURRENTLY ENFORCED BY                                                                                                                     | 3.  | FIXTURES SHALL BE PROVIDED WITH AN EXHAUST FAN WITH                                                                                                                                 | 15. |

### MECHANICAL NOTES (CONT'D)

WHERE WHOLE HOUSE FANS ARE USED IN BATHROOD THE FAN MUST RUN CONTINUOUSLY AND SHALL NOT

- HUMIDITY CONTROL SENSOR. (CAL GREEN 4.506.1) ENVIRONMENTAL AIR DUCTS SHALL TERMINATE MIN. FROM PROPERTY LINE OR OPENINGS INTO BLDG., AN
- FROM A FORCED AIR INLET. (CMC 502.2.1) ALL HOSE BIBS ARE TO HAVE VACUUM BREAKERS. (C
- THE MAX. AMOUNT OF WATER CLOSETS ON A 3" HORIZONTAL DRAINAGE SYSTEM LINE IS 5 (CPC TABL
- THE MAX. AMOUNT OF WATER CLOSETS ON A 3" VERT DRAINAGE LINE IS 5. (CPC TABLE 703.2)
- PROVIDE GAS LINES WITH A MN. CAPACITY OF 200,000 WATER HEATER. (CAL ENERGY CODE 150.0(N)).
- PROVIDE A CONDENSATE DRAIN NO MORE THAN 2" AI BASE OF THE WATER HEATER SPACE. (CAL ENERGY ( (N).
- INSULATE ALL HOT WATER PIPES. CAL ENERGY CODE (2), and CPC 609.11)
- B. ISOLATION VALVES ARE REQ. FOR TANKLESS WATER ON THE HOT AND COLD SUPPLY LINES WITH HOSE BIE EACH VALVE, TO FLUSH THE HEAT EXCHANGER. (CAL CODE 110.3(7).
- EXHAUST DUCTS AND DRYER VENTS SHALL BE EQUIP BACK DRAFT DAMPERS
- . ALL EXHAUST FANS SHALL BE SWITCHED SEPARATEL LIGHTING SYSTEMS. (CENC 150(K) 2B)
- PLUMBING FIXTURES AND FITTINGS INSTALLED IN RE BUILDINGS SHALL COMPLY WITH THE PRESCRIPTIVE SECTIONS 4.303.1.1 THROUGH 4.303.1.4.4.
- 7. PLUMBING FIXTURES AND FITTINGS REQ. IN SECTION SHALL BE INSTALLED IN ACCORDANCE WITH THE CAL PLUMBING CODE AND SHALL MEET THE THE APPLICAE REFERENCE STANDARDS.
- ALL HOSE CONNECTIONS SHALL BE EQUIPPED WITH NON-REMOVABLE BACK FLOW PREVENTERS. [CPC 603

### ELECTRICAL NOTES

RECEPTACLE OUTLET LOCATIONS WILL COMPLY WITH ARTICLE 210.52. & CRC SECTION R327.1.2. TAMPER RE RECEPTACLE OUTLET LOCATIONS SHALL COMPLY W/ 210-52 AND 550.13 (I.E. ALL RECEPTACLES IN A DWELL ARC-FAULT PROTECTION FOR ALL OUTLETS (NOT JUS RECEPTACLES) LOCATED IN ROOMS DESCRIBED IN NI 210.12(A): KITCHENS, LAUNDRY AREAS, FAMILY, LIVING BEDROOMS, DINING, HALLS, ETC. ALL BRANCH CIRCU

ARC FAULT CIRCUIT PROTECTED PER NEC ART. 210-1 THERE ARE TO BE A MINIMUM OF 2 SMALL APPLIANCE CIRCUITS WITHIN THESE AREAS CEC 210.11(C)1 BATHROOM CIRCUITING SHALL BE EITHER: a) A 20 A

- CIRCUIT DEDICATED TO EACH BATHROOM.
  b) AT LEAST ONE 20 AMPERE CIRCUIT SUPPLYING ONI BATHROOM RECEPTACLE OUTLETS PER NEC ART. 21
  ALL 125-VOLT, SINGLE-PHASE, 15- AND 20- AMP RECEINSTALLED IN BATHROOMS, GARAGES, BASEMENTS, OUTDOORS, LAUNDRY AREA, KITCHEN DISHWASHERS COUNTERS AND AT WET BAR SINKS, WITHIN 6' OF A SI BE GECL PROTECTED PER NEC ART. 210-8(A)
- BE GFCI PROTECTED PER NEC ART. 210-8(A). WEATHER RESISTANT TYPE FOR RECEPTACLES INSTA DAMP OR WET LOCATIONS (OUTSIDE) NEC 406.4(D)(6) PER LIGHTING MEASURES 150(K)4 N T-24, THE BEDROOMS, HALLWAY, LIVING ROOM AND OFFICE ARE REQUIRED TO HAVE ANY INSTALLED FIXTURE TO
- BE ON A DIMMER SWITCH OR THE FIXTURE NEEDS TO BE HIGH EFFICACY.
- OUTDOOR LIGHTING FIXTURES ARE REQUIRED TO BE EFFICACY OR CONTROLLED BY A COMBINATION PHOTOCONTROL / MOTION SENSOR.
- A RECEPTACLE OUTLET MUST BE INSTALLED IN EVER SO THAT NO POINT ALONG THE WALL SPACE IS MORE FEET, MEASURED HORIZONTALLY ALONG THE FLOOR FROM A RECEPTACLE OUTLET CEC 210.52(A)
- SMOKE DETECTORS MUST BE PERMANENTLY WIRED. CONSTRUCTION, REQUIRED SMOKE ALARMS SHALL R THEIR PRIMARY POWER FROM THE BUILDING WIRING SUCH WIRING IS SERVED FROM A COMMERCIAL SOUF SHALL BE EQUIPPED WITH A BATTERY BACK-UP. SMC ALARMS SHALL EMIT A SIGNAL WHEN THE BATTERIES WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED OVERCURRENT PROTECTION.
- WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED INSTALLED, THE SMOKE ALARMS SHALL BE INTERCOM SUCH A MANNER THAT THE ACTIVATION OF ONE ALAR ACTIVATE ALL THE ALARMS IN THE INDIVIDUAL DWELL THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDR OVER BACKGROUND NOISE LEVELS WITH ALL INTERV DOORS CLOSED.
- ALL EXHAUST FANS SHALL BE SWITCHED SEPARATEL LIGHTING SYSTEMS. (CENC 150(K) 2B)
- A MINIMUM OF 1 LUMINAIRE SHALL BE INSTALLED IN E CONTROLLED BY AN OCCUPANT OR VACANCY SENSO PROVIDING AUTOMATIC -OFF FUNCTIONALLY (CENC 1 LAUNDRY AREA SHALL AT LEAST 1-20 AMP DEDICATED CIRCUIT (CEC 210 .11 (C)(2)
- PROVIDE A DEDICATED CIRCUIT FOR THE A.C./FAU (CE

TWO OR MORE SMALL-APPLIANCE 20-AMPERE BRANC CIRCUITS SHALL BE PROVIDED FOR RECEPTACLES IN IN A KITCHEN TO SERVE COUNTERTOP SURFACES. [C 210.52(B)(3) & CEC 210.11(C)(1)] IN DWELLING UNITS IN AREAS SPECIFIED IN 210.52, ALL 15- AND 20-AMPERE, 250-VOLT NONLOCKING-TYPE RECEPTACLES SHALL B TAMPER-RESISTANT RECEPTACLES. [CEC 406.12]

|                            | ELECTRICAL NOTES (CONT'D)                                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OM AREAS,                  | 16. PER CEC 2022 150.0(N).1.A.:                                                                                                                                     |
| T BE TIED TO               | IF THE DESIGNATED SPACE IS WITHIN 3 FEET FROM THE WATER<br>HEATER, THEN THIS SPACE SHALL INCLUDE THE FOLLOWING:A                                                    |
| . 3 FEET                   | DEDICATED 125 VOLT, 20 AMP ELECTRICAL RECEPTACLE THAT IS CONNECTED TO THE ELECTRIC PANEL WITH A 120/240 VOLT 3                                                      |
| ND 10'                     | CONDUCTOR, 10 AWG COPPER BRANCH CIRCUIT, WITHIN 3 FEET<br>FROM THE WATER HEATER AND ACCESSIBLE TO THE WATER                                                         |
| CPC603.5.7)                | <ul> <li>HEATER WITH NO OBSTRUCTIONS; AND</li> <li>BOTH ENDS OF THE UNUSED CONDUCTOR SHALL BE</li> </ul>                                                            |
| LE 703.2)                  | LABELED WITH THE WORD "SPARE" AND BE ELECTRICALLY<br>ISOLATED; AND                                                                                                  |
| RTICAL                     | <ul> <li>A RESERVED SINGLE POLE CIRCUIT BREAKER SPACE IN THE<br/>ELECTRICAL PANEL ADJACENT TO THE CIRCUIT BREAKER</li> </ul>                                        |
| 00BTU FOR                  | FOR THE BRANCH CIRCUIT IN A ABOVE AND LABELED WITH                                                                                                                  |
| ABOVE THE<br>CODE 150.0    | <ul> <li>THE WORDS "FUTURE 240V USE"; AND</li> <li>A CONDENSATE DRAIN THAT IS NO MORE THAN 2 INCHES</li> </ul>                                                      |
| E 150.0(j)                 | HIGHER THAN THE BASE OF THE INSTALLED WATER<br>HEATER, AND ALLOWS NATURAL DRAINING WITHOUT PUMP                                                                     |
|                            | ASSISTANCE.<br>17. ELECTRICAL RECEPTACLE OUTLETS IN BATHROOM MUST BE NO                                                                                             |
| R HEATERS<br>IBS ON        | MORE THAN 48 INCHES OR LESS THAN 15-INCHES MEASURE<br>FROM THE FINISHED FLOOR.                                                                                      |
| L ENERGY                   | 18. DOORBELL BUTTON MUST BE INSTALLED NO MORE THAN 48<br>INCHES FROM EXTERIOR FLOOR.                                                                                |
| PPED WITH                  | 19. LUMINAIRE EFFICACY - ALL INSTALLED LUMINAIRES SHALL MEET                                                                                                        |
| LY FROM                    | THE REQUIREMENTS OF 2022 BUILDING ENERGY EFFICIENCY<br>STANDARDS TABLE 150.0-A PER SECTION 150.0(K).                                                                |
| ESIDENTIAL                 | ELECTRIC READY NOTES:                                                                                                                                               |
| REQ. OF                    | 2022 ENERGY EFFICIENCY STANDARDS 150.0                                                                                                                              |
| N 4.303.1                  | (S) ENERGY STORAGE SYSTEMS (ESS) READY. ALL SINGLE-FAMILY<br>RESIDENCES THAT INCLUDE ONE OR TWO DWELLING UNITS SHALL                                                |
| LIFORNIA<br>ABLE           | MEET THE FOLLOWING. ALL ELECTRICAL COMPONENTS SHALL BE                                                                                                              |
|                            | INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE:<br>1. AT LEAST ONE OF THE FOLLOWING SHALL BE PROVIDED:<br>A FOR DEADY INTERCONNECTION FOLLOMENT WITH A |
| 03.3.3]                    | A. ESS READY INTERCONNECTION EQUIPMENT WITH A<br>MINIMUM BACKED-UP CAPACITY OF 60 AMPS AND A                                                                        |
|                            | MINIMUM OF FOUR ESS-SUPPLIED BRANCH CIRCUITS, OR<br>B. A DEDICATED RACEWAY FROM THE MAIN SERVICE TO A                                                               |
| TH CEC                     | PANELBOARD (SUBPANEL) THAT SUPPLIES THE BRANCH<br>CIRCUITS IN SECTION 150.0(S)(2). ALL BRANCH CIRCUITS                                                              |
| ESISTANT<br>// NEC ART.    | ARE PERMITTED TO BE SUPPLIED BY THE MAIN SERVICE<br>PANEL PRIOR TO THE INSTALLATION OF AN ESS. THE                                                                  |
| LING).<br>IST              | TRADE SIZE OF THE RACEWAY SHALL BE NOT LESS THAN ONE<br>INCH. THE PANELBOARD THAT SUPPLIES THE BRANCH CIRCUITS                                                      |
| NEC<br>NG,                 | (SUBPANEL) MUST BE LABELED "SUBPANEL SHALL INCLUDE ALL<br>BACKED-UP LOAD CIRCUITS."                                                                                 |
| JITS WILL BE               | 2. A MINIMUM OF FOUR BRANCH CIRCUITS SHALL BE<br>IDENTIFIED AND HAVE THEIR SOURCE OF SUPPLY                                                                         |
| 12(B).<br>E BRANCH         | COLLOCATED AT A SINGLE PANELBOARD SUITABLE TO BE<br>SUPPLIED BY THE ESS. AT LEAST ONE CIRCUIT SHALL SUPPLY                                                          |
| AMPERE                     | THE REFRIGERATOR, ONE LIGHTING CIRCUIT SHALL BE LOCATED                                                                                                             |
| NLY                        | NEAR THE PRIMARY EGRESS, AND AT LEAST ONE CIRCUIT SHALL<br>SUPPLY A SLEEPING ROOM RECEPTACLE OUTLET.                                                                |
| 10-11(c)3.                 | 3. THE MAIN PANELBOARD SHALL HAVE A MINIMUM BUSBAR<br>RATING OF 225 AMPS.                                                                                           |
|                            | 4. SUFFICIENT SPACE SHALL BE RESERVED TO ALLOW<br>FUTURE INSTALLATION OF A SYSTEM ISOLATION                                                                         |
| RS, KITCHEN<br>SINK, SHALL | EQUIPMENT/TRANSFER SWITCH WITHIN 3 FEET OF THE<br>MAIN PANELBOARD. RACEWAYS SHALL BE INSTALLED                                                                      |
| TALLED IN                  | BETWEEN THE PANELBOARD AND THE SYSTEM ISOLATION<br>EQUIPMENT/TRANSFER SWITCH LOCATION TO ALLOW THE                                                                  |
| 5)                         | CONNECTION OF BACKUP POWER SOURCE.<br>(T) HEAT PUMP SPACE HEATER READY. SYSTEMS USING GAS OR                                                                        |
| RE                         | PROPANE FURNACE TO SERVE INDIVIDUAL DWELLING UNITS SHALL<br>INCLUDE THE FOLLOWING:                                                                                  |
| 0                          | 1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE                                                                                                              |
| E HIGH                     | INSTALLED WITHIN 3 FEET FROM THE FURNACE AND ACCESSIBLE<br>TO THE FURNACE WITH NO OBSTRUCTIONS. THE BRANCH                                                          |
|                            | CIRCUIT CONDUCTORS SHALL BE RATED AT 30 AMPS MINIMUM.<br>THE BLANK COVER SHALL BE IDENTIFIED AS "240V READY." ALL                                                   |
|                            | ELECTRICAL COMPONENTS SHALL BE INSTALLED IN<br>ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE.                                                                      |
| E THAN 6<br>R LINE         | 2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A RESERVED<br>SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE                                                  |
| ). IN NEW                  | CIRCUIT BREAKER FOR A FUTURE HEAT PUMP SPACE HEATER<br>INSTALLATION. THE RESERVED SPACE SHALL BE PERMANENTLY                                                        |
| RECEIVE<br>G WHERE         | MARKED AS "FOR FUTURE 240V USE."<br>(U) ELECTRIC COOKTOP READY. SYSTEMS USING GAS OR PROPANE                                                                        |
| IRCE AND<br>OKE            | COOKTOP TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING:                                                                                             |
| S ARE LOW.                 | 1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE<br>INSTALLED WITHIN 3 FEET FROM THE COOKTOP AND                                                              |
| D FOR                      | ACCESSIBLE TO THE COOKTOP WITH NO OBSTRUCTIONS. THE<br>BRANCH CIRCUIT CONDUCTORS SHALL BE RATED AT 50 AMPS                                                          |
| D TO BE                    | MINIMUM. THE BLANK COVER SHALL BE IDENTIFIED AS "240V<br>READY." ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED                                                       |
| NNECTED IN                 | IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE.<br>2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A                                                             |
| LING UNIT.                 | RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A                                                                                                                   |
| VENING                     | DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE ELECTRIC<br>COOKTOP INSTALLATION. THE RESERVED SPACE SHALL BE                                                              |
| LY FROM                    | PERMANENTLY MARKED AS "FOR FUTURE 240V USE."<br>(V) ELECTRIC CLOTHES DRYER READY. CLOTHES DRYER LOCATIONS                                                           |
| BATHROOM                   | WITH GAS OR PROPANE PLUMBING TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING:                                                                        |
| OR                         | 1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE<br>INSTALLED WITHIN 3 FEET FROM THE CLOTHES DRYER                                                            |
| 150 .0(K)21)<br>ED BRANCH  | LOCATION AND ACCESSIBLE TO THE CLOTHES DRYER<br>LOCATION WITH NO OBSTRUCTIONS. THE BRANCH                                                                           |
|                            | CIRCUIT CONDUCTORS SHALL BE RATED AT 30 AMPS<br>MINIMUM. THE BLANK COVER SHALL BE IDENTIFIED AS                                                                     |
| CEC 422.12)<br>CH          | "240V READY." ALL ELECTRICAL COMPONENTS SHALL BE                                                                                                                    |
| NSTALLED<br>CEC            | INSTALLED IN ACCORDANCE WITH THE CALIFORNIA<br>ELECTRICAL CODE.                                                                                                     |
| N ALL                      | 2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A<br>RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE                                                       |
| , 125- AND<br>BE LISTED    | POLE CIRCUIT BREAKER FOR A FUTURE ELECTRIC CLOTHES DRYER<br>INSTALLATION. THE RESERVED SPACE SHALL BE PERMANENTLY                                                   |
|                            | MARKED AS "FOR FUTURE 240V USE."                                                                                                                                    |
|                            |                                                                                                                                                                     |

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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE

FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE COUNTY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ANY USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

project

County of Riverside Pre-Approved ADU Program

revisions

description

General Notes

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
| sheet no.   | GO.2               |

#### GENERAL NOTE: THE ADU SHALL COMPLY WITH R337 OF THE CURRENT CALIFORNIA RESIDENTIAL CODE IF IT IS IN THE VHFHSZ. STRUCTURES IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE SHALL PROVIDE & MAINTAIN A FUEL MODIFICATION ZONE. FUEL MODIFICATION ZONES: THE APPLICANT SHALL PROVIDE AND MAINTAIN FIRE/FUEL BREAKS TO THE SATISFACTION OF THE COUNTY'S FIRE DEPARTMENT. FIRE/FUEL BREAK SIZE (MINIMUM 100 FEET FROM STRUCTURE) & COMPOSITION SHALL BE DETERMINED BY THE FIRE DEPARTMENT & SHOWN ON THE IMPROVEMENT/GRADING PLANS. FINAL MAP, & BUILDING PLANS SECTION R337 - MATERIALS AND CONSTRUCTION METHODS FOR EXTERIOR WILDFIRE EXPOSURE METHODS FOR EXTERIOR WILDLIFE EXPOSURE IF THE PROPERTY THAT WILL CONTAIN THE ADU IS IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE THESE NOTES SHALL APPLY. THE JURISDICTION HAS DETERMINED THAT THIS PROJECT IS IN A WILDLIFE -URBAN INTERFACE AREA. PLEASE SHOW COMPLIANCE WITH THE FOLLOWING ITEMS FOR NEW BUILDINGS, PER THE 2022 CRC. **EXCEPTIONS:** BUILDINGS OF AN ACCESSORY CHARACTER CLASSIFIED AS A 1. GROUP U OCCUPANCY AND NOT EXCEEDING 120 SQUARE FEET IN FLOOR AREA. WHEN LOCATED AT LEAST 30 FEET FROM AN APPLICABLE BUILDING. BUILDINGS OF AN ACCESSORY CHARACTER CLASSIFIES AS A GROUP U OCCUPANCY OF ANY SIZE LOCATED LEAST 50' FROM AN APPLICABLE BUILDING. BUILDINGS CLASSIFIED AS A GROUP U AGRICULTURE BUILDING. AS DEFINED IN SECTION 202 OF THE CODE (SEE ALSO APPENDIX C - GROUP U AGRICULTURE BUILDINGS ), WHEN LOCATED AT LEAST 50' FROM AN APPLICABLE BUILDING. **REQUIREMENTS:** R337.5.2 ROOF COVERINGS. WHERE THE ROOF PROFILE HAS AN AIRSPACE UNDER THE ROOF COVERING, INSTALLED OVER A COMBUSTIBLE DECK, A 72 LB. (32.7 KG) CAP SHEET COMPLYING 9 WITH ASTM D3909 STANDARD SPECIFICATION FOR "ASPHALT ROLLED ROOFING (GLASS FELT) SURFACED WITH MINERAL GRANULES," SHALL BE INSTALLED OVER THE ROOF DECK. BIRD STOPS SHALL BE USED AT THE EAVES WHEN THE PROFILE FITS. TO PREVENT DEBRIS AT THE EAVE. HIP AND RIDGE CAPS SHALL BE MUDDED IN TO PREVENT INTRUSION OF FIRE OR EMBERS. EXCEPTION: CAP SHEET IS NOT REQUIRED WHEN NO LESS THAN 1" OF MINERAL WOOL BOARD OR OTHER NONCOMBUSTIBLE MATERIAL IS LOCATED BETWEEN THE ROOFING MATERIAL AND WOOD FRAMING OR DECK. ALTERNATELY, A CLASS A FIRE RATED ROOF UNDERLAYMENT, TESTED IN ACCORDANCE WITH ASTM E108, SHALL BE PERMITTED TO BE USED. IF THE SHEATHING CONSISTS OF EXTERIOR FIRE-RETARDANT TREATED WOOD, THE UNDERLAYMENT SHALL NOT BE REQUIRED TO COMPLY WITH A CLASS A CLASSIFICATION. BIRD STOPS SHALL BE USED AT THE EAVES WHEN THE PROFILE FITS. TO PREVENT DEBRIS AT THE EAVE. HIP AND RIDGE CAPS SHALL BE MUDDED IN TO PREVENT INTRUSION OF FIRE OR EMBERS. R337.5.3 ROOF VALLEYS. WHERE VALLEY FLASHING IS 2. INSTALLED, THE FLASHING SHALL BE NOT LESS THAN 0.019-INCH NO. 26 GAGE GALVANIZED SHEET CORROSION-RESISTANT METAL INSTALLED OVER NOT LESS THAN ONE LAYER OF MIN. 72 POUND MINERAL - SURFACED NON PERFORATED CAP SHEET COMPLYING WITH ASTM D 3909. AT LEAST 36-INCH -WIDE RUNNING THE FULL LENGTH OF THE VALLEY. R337.5.4 ROOF GUTTER. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER.

R337.6 VENTILATION OPENINGS SHALL BE FULLY COVERED WITH WILDFIRE FLAME And EMBER RESISTANT VENTS APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL, OR WUI VENTS TESTED TO ASTM E2886 AND LISTED, BY COMPLYING WITH ALL OF THE FOLLOWING REQUIREMENTS:

A) THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST B) THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST C) THE MAXIMUM TEMPERATURE OF THE UNEXPOSED SIDE OF THE VENT SHALL NOT EXCEED 662 F

R337.6.2.1 VENTS THAT ARE INSTALLED ON A SLOPED ROOF, SUCH AS DORMER VENTS, SHALL COMPLY WITH ALL THE FOLLOWING

A) VENTS SHALL BE COVERED WITH A MESH WHERE THE DIMENSIONS OF THE MESH THEREIN SHALL BE A MINIMUM OF 16 - INCH AND SHALL NOT EXCEED 1/8 - INCH IN DIAMETER B) THE MESH MATERIAL SHALL BE NONCOMBUSTIBLE

C) THE MESH MATERIAL SHALL BE CORROSION RESISTANT. R337.7.3 EXTERIOR WALLS COVERINGS. THE EXTERIOR WALL 6 COVERING SHALL COMPLY WITH ONE OR MORE OF THE FOLLOWING REQUIREMENTS, EXCEPT AS PERMITTED FOR EXTERIOR WALL ASSEMBLIES COMPLYING WITH SECTION R337.7.4:

> **1. NONCOMBUSTIBLE MATERIAL** 2. IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION R337.4.2. 3. FIRE-RETARDANT-TREATED WOOD. THE FIRE-RETARDANT-TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND SHALL MEET THE REQUIREMENTS OF SECTION 2303.2.

R337.7.3.1 EXTENT OF EXTERIOR WALL COVERING. EXTERIOR WALL COVERINGS SHALL EXTEND FROM THE TOP OF THE FOUNDATION TO THE ROOF AND TERMINATE AT 2" NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN THE CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE.

8. R337.7.4 EXTERIOR WALL ASSEMBLIES. EXTERIOR WALL ASSEMBLIES OF BUILDINGS OR STRUCTURE CONSTRUCTED USING ONE OR MORE OF THI METHODS, UNLESS THEY ARE COVERED BY **COVERING COMPLYING WITH SECTION R337** 

- 1. ASSEMBLY OF SAWN LUMBER OR GLU WITH THE SMALLEST MINIMUM NOMINA INCHES. SAWN OR GLUE-LAMINATED P TONGUE-AND-GROVE, OR SET CLOSE SPIKED.
- 2. LOG WALL CONSTRUCTION ASSEMBLY
- 3. ASSEMBLY THAT HAS BEEN TESTED IN THE TEST PROCEDURES FOR A 10 MIN CONTACT EXPOSURE SET FORTH IN AS CONDITIONS OF ACCEPTANCE SHOWN R337.7.4.1.
- 4. ASSEMBLY THAT MEET THE PERFORM ACCORDANCE WITH THE TEST PROCE MINUTE DIRECT FLAME CONTACT EXPO FORTH IN SFM STANDARD 12-7A-1
- 5. ASSEMBLY SUITABLE FOR EXTERIOR I A 1-HOUR FIRE RESISTANCE RATING, F EXTERIOR SIDE, AS TESTED IN ACCOR E119 OR UL263
- 6. ASSEMBLY SUITABLE FOR EXTERIOR I CONTAINING ONE LAYER OF ခ୍ଡ -INCH TY SHEATHING APPLIED BEHIND THE EXT COVERING OR CLADDING ON THE EXTI FRAMING.
- 7. ASSEMBLY SUITABLE FOR EXTERIOR I CONTAINING ANY OF THE GYPSUM PAI PRODUCTS LISTED IN THE GYPSUM AS RESISTANCE DESIGN MANUEL AS COM 1-HOUR FIRE-RESISTANCE RATING, AS ACCORDANCE WITH ASTM E119 OR UL

R337.7.5 OPEN ROOF EAVES. THE EXPOSED UNDERSIDE OF ENCLOSED ROOF EAVES SHA OR MORE OF THE FOLLOWING:

- 1. NON COMBUSTIBLE MATERIAL
- 2. IGNITION- RESISTANT MATERIAL. THE MATERIAL SHALL BE LABELED FOR EX MEET THE REQUIREMENTS OF SECTIO
- 3. FIRE-RETARDANT-TREATED WOOD. TH FIRE-RETARDANT-TREATED WOOD SH EXTERIOR USE AND SHALL MEET THE SECTION 2303.2
- 4. MATERIALS APPROVED FOR NOT LESS FIRE-RESISTANCE-RATED CONSTRUCT EXTERIOR SIDE, AS TESTED IN ACCORI E119 OR UL 263
- 5. ONE LAYER OF 5/8" TYPE X GYPSUM SH BEHIND AN EXTERIOR COVERING ON THE UNDERSIDE EXTER DECK.
- 6. THE EXTERIOR PORTION A 1- HOUR FI EXTERIOR ASSEMBLY, APPLIES AS TES WITH ASTM E119 OR UL 263, APPLIED THE ROOF DECK DESIGNED FOR THE EXPOSURE, INCLUDING ASSEMBLES U PANEL AND SHEATHING PRODUCTS LIS ASSOCIATION FIRE RESISTANCE DEIGI

**EXCEPTION TO SECTION R337.7.5: THE** MATERIALS DO NOT REQUIRE PROTEC FASCIA AND OTHER ARCHITECTURAL

- 10. R337.7.6 ENCLOSED ROOF EAVES AND ROOF EXPOSED UNDERSIDE OF ENCLOSED ROOF EITHER A BOXED-IN ROOF EAVE SOFFIT WIT UNDERSIDE, OR SLOPING RAFTER TAILS WIT COVERING APPLIED TO THE UNDERSIDE OF SHALL BE PROTECTED BY ONE OR MORE OF
  - 1. NONCOMBUSTIBLE MATERIAL 2. IGNITION- RESISTANT MATERIAL. THE MATERIAL SHALL BE LABELED FOR EX SHALL MEET THE REQUIREMENTS OF
  - FIRE-RETARDANT-TREATED-WOOD. TH TREATED WOOD SHALL BE LABELED F AND SHALL MEET THE REQUIREMENTS
  - 4. MATERIALS APPROVED FOR NOT LESS FIRE-RESISTANCE-RATED CONSTRUCT EXTERIOR SIDE, AS TESTED IN ACCORI E119 OR UL 263
  - 5. ONE LAYER OF 5/8" TYPE X GYPSUM SH BEHIND AN EXTERIOR COVERING ON T FLOOR PROJECTION.
  - 6. THE EXTERIOR PORTION A 1- HOUR FIF EXTERIOR ASSEMBLY, APPLIED TO THI RAFTER TAIS OR SOFFIT, INCLUDING A GYPSUM PANEL AND SHEATHING PROI GYPSUM ASSOCIATION FIRE RESISTAN
  - 7. BOXED-IN ROOF EAVE SOFFIT ASSEME HORIZONTAL UNDERSIDE THAT MEET CRITERIA IN SECTION R337.7.11 WHEN ACCORDANCE WITH THE TEST PROCE ASTM E2957
  - 8. BOXED-IN ROOF EAVE SOFFIT ASSEME HORIZONTAL UNDERSIDE THAT MEET CRITERIA IN SECTION R337.7.11 WHEN ACCORDANCE WITH THE TEST PROCEI SFM STANDARD 12-7A-3

**EXCEPTION TO SECTION R337.7.6: THE** MATERIALS DO NOT REQUIRE PROTEC OTHER ARCHITECTURAL TRIM BOARDS

### VERY HIGH FIRE SEVERITY ZONE (VHFSZ) NOTES

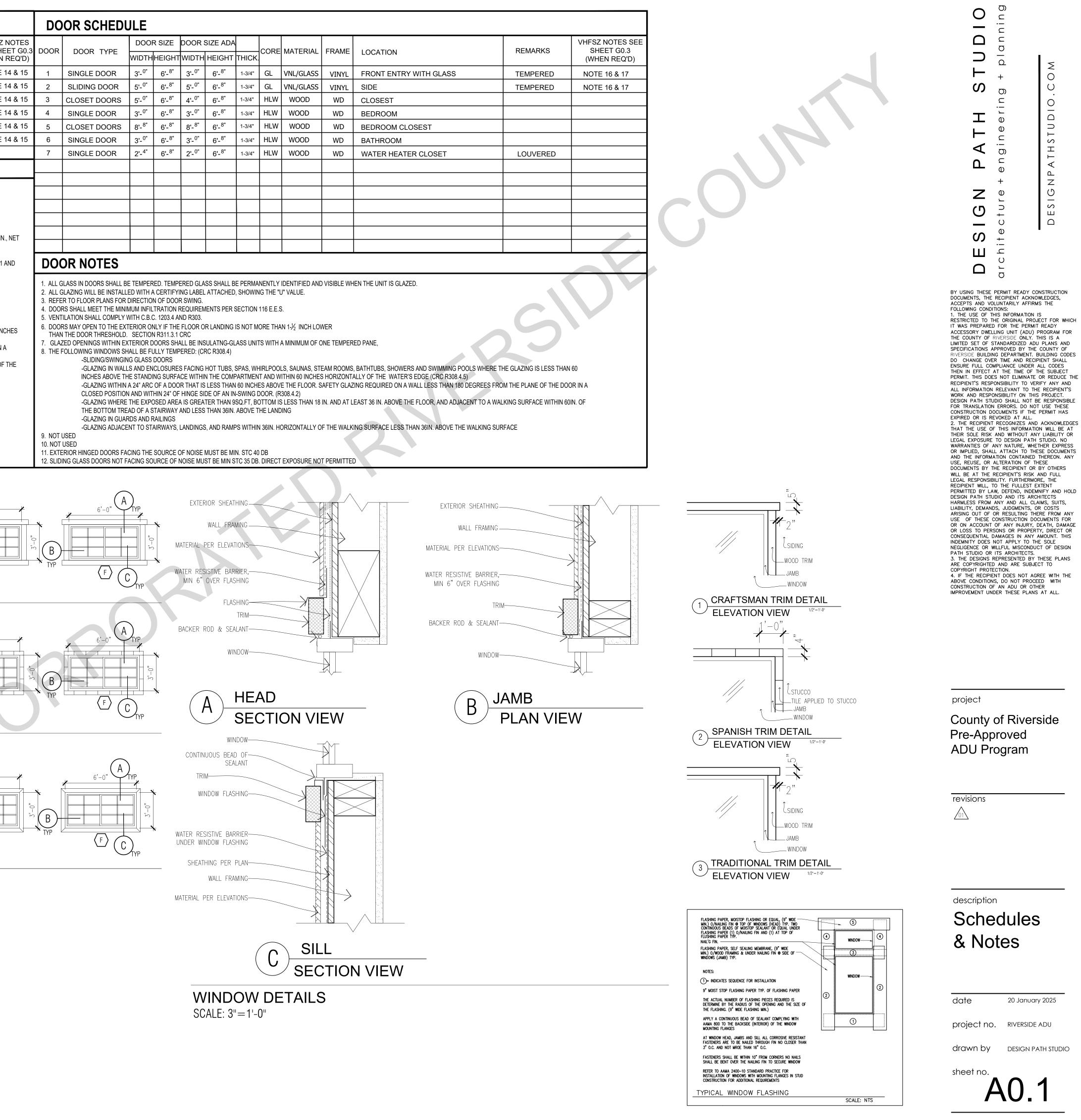
| ERIOR WALL<br>S SHALL BE<br>IE FOLLOWING<br>AN EXTERIOR WALL<br>7.3:<br>IE LAMINATED WOOD<br>AL DIMENSION OF 4<br>PLANKS SPLINED,<br>TOGETHER AND WELL<br>ACCORDANCE WITH<br>UTE DIRECT FLAME<br>STM E2707 WITH THE<br>N N SECTION<br>ANCE CRITERIA IN<br>DURES FOR A TEN<br>OSURE TEST SET<br>FIRE EXPOSURE WITH<br>RATED FROM THE<br>DANCE WITH ASTM<br>FIRE EXPOSURE<br>PE X GYPSUM<br>ERIOR WALL<br>ERIOR SIDE OF THE<br>EXPOSURE<br>NEL AND SHEATHING<br>SOCIATION FIRE<br>MPLYING WITH A<br>5 TESTED IN<br>263 | <ol> <li>R337.7.7 EXTERIOR PORCH CEILINGS. THE EXPOSED UNDERSIDE<br/>OF THE EXTERIOR PORCH CEILINGS SHALL BE PROTECTED BY<br/>ONE OF THE FOLLOWING:         <ol> <li>NON COMBUSTIBLE MATERIAL</li> <li>IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT<br/>MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL<br/>MEET THE REQUIREMENTS OF SECTION R337.4.2</li> <li>FIRE-RETARDANT-TREATED-WOOD. THE FIRE-RETARDANT<br/>TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND<br/>SHALL MEET THE REQUIREMENTS OF SECTION 203.2</li> <li>MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR<br/>FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR<br/>SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263</li> <li>ONE LAYER OF 5% " TYPE X GYPSUM SHEATHING APPLIED<br/>BEHIND THE EXTERIOR COVERING OR CLADDING ON THE<br/>UNDERSIDE OF THE RAFTER TAILS OR SOFFIT.</li> <li>THE EXTERIOR PORTION A 1- HOUR FIRE RESISTIVE<br/>EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM<br/>E119, APPLIED TO THE UNDERSIDE OF THE CEILING ASSEMBLY,<br/>INCLUDING ASSEMBLS USING THE GYPSUM PANEL AND<br/>SHEATHING PRODUCTS LISTED IN THE GYPSUM PANEL AND<br/>SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION<br/>FIRE RESISTANCE DESIGN MANUAL.</li> <li>PORCH CEILING ASSEMBLIES WITH A HORIZONTAL<br/>UNDERSIDE THAT MEET THE PERFORMANCE CRITERIA IN<br/>SECTION R337.7.11 WHEN TESTED IN ACCORDANCE WITH THE<br/>TEST PROCEDURES SET FORTH IN ASTM E2957</li> <li>PORCH CEILING ASSEMBLIES WITH A HORIZONTAL<br/>UNDERSIDE THAT MEET THE PERFORMANCE CRITERIA IN<br/>ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN<br/>SFM STANDARD 12-7A-3</li> </ol> </li></ol> EXCEPTION TO SECTION R337.7.7: ARCHITECTURAL TRIM<br>BOARDS DO NOT REQUIRE PROTECTION 12. R337.7.8 FLOOR PROJECTIONS. THE EXPOSED UNDERSIDE OF A<br>CANTILEVER FLOOR PROJECTIONS. THE EXPOSED UNDERSIDE OF A | <ul> <li>THE APPENDAGE PROJECTION</li> <li>6. THE EXTERIOR PORTION A 1- HOUR FIRE RESIS<br/>EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANC<br/>ASTM E119 OR UL 263, APPLIED TO THE UNDERSID<br/>APPENDAGE, INCLUDING ASSEMBLES USING THE<br/>PANEL AND SHEATHING PRODUCTS LISTED IN THE<br/>ASSOCIATION FIRE RESISTANCE DESIGN MANUAL</li> <li>7. THE UNDERSIDE OF AN APPENDAGE ASSEMBLY<br/>MEETS THE PERFORMANCE CRITERIA IN SECTION<br/>WHEN TESTED IN ACCORDANCE WITH THE TEST<br/>PROCEDURES SET FORTH IN ASTM E2957.</li> <li>8. THE UNDERSIDE OF AN APPENDAGE ASSEMBLY<br/>MEETS THE PERFORMANCE CRITERIA IN ACCORDANCE<br/>PROCEDURES SET FORTH IN ASTM E2957.</li> <li>8. THE UNDERSIDE OF AN APPENDAGE ASSEMBLY<br/>MEETS THE PERFORMANCE CRITERIA IN ACCORDANCE<br/>THE TEST PROCEDURES SET FORTH IN SFM STAN<br/>12-7A-3.</li> <li>EXCEPTION TO SECTION R337.7.10: STRUCTURAL OF<br/>AND BEAMS DO NOT REQUIRE PROTECTION WHEN</li> </ul>                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ROOF DECK ON THE<br>ALL CONSIST OF ONE<br>IGNITION-RESISTANT                                                                                                                                                                                                                                                                                                                                                                                                                                                         | EXTENDS OVER AN EXTERIOR WALL SHALL BE PROTECTED BY ON<br>OF THE FOLLOWING:<br>1. NONCOMBUSTIBLE MATERIAL<br>2. IGNITION- RESISTANT MATERIAL. THE IGNITION-RESISTANT<br>MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CONSTRUCTED WITH SAWN LUMBER OR GLUE-LAI<br>WOOD WITH THE SMALLEST MINIMUM NOMINAL DI<br>4 INCHES. SAWN OR GLUE-LAMINATED PLANKS SH<br>SPLINED, TONGUE-AND-GROOVE, OR SET CLOSE<br>AND WELL SPIKED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| TERIOR USE AN SHALL<br>ON R337.4.2<br>IE<br>ALL BE LABELED FOR<br>REQUIREMENTS OF                                                                                                                                                                                                                                                                                                                                                                                                                                    | MEET THE REQUIREMENTS OF SECTION R337.4.2<br>3. FIRE-RETARDANT-TREATED-WOOD. THE FIRE-RETARDANT<br>TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND<br>SHALL MEET THE REQUIREMENTS OF SECTION 2303.2<br>4. MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <ul> <li>15. R337.8.2 EXTERIOR GLAZING. THE FOLLOWING EXTERI<br/>MATERIALS AND/OR ASSEMBLIES SHALL COMPLY WITH<br/>SECTION: <ol> <li>EXTERIOR WINDOWS</li> <li>EXTERIOR CLAZED DOORS</li> </ol> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| S THAN 1-HOUR<br>TION ON THE<br>DANCE WITH ASTM                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR<br>SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263<br>5. ONE LAYER OF 5/8" TYPE X GYPSUM SHEATHING APPLIED<br>BEHIND AND EXTERIOR COVERING ON THE UNDERSIDE OF THE<br>CEILING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <ol> <li>2. EXTERIOR GLAZED DOORS</li> <li>3. GLAZED OPENINGS WITHIN EXTERIOR DOORS</li> <li>4. GLAZED OPENINGS WITHIN EXTERIOR GARAGE</li> <li>5. EXTERIOR STRUCTURAL GLASS VENEERS</li> <li>6. SKYLIGHTS</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| HEATHING APPLIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6. THE EXTERIOR PORTION A 1- HOUR FIRE RESISTIVE<br>EXTERIOR ASSEMBLY, AS TESTED IN ACCORDANCE WITH ASTM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7. VENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RIOR OF THE ROOF<br>RE RESISTIVE<br>STED IN ACCORDANCE<br>TO THE UNDERSIDE OF<br>EXTERIOR FIRE<br>SING THE GYPSUM<br>STED IN THE GYPSUM<br>N MANUAL.<br>E FOLLOWING<br>CTION:<br>TRIM BOARDS                                                                                                                                                                                                                                                                                                                         | E119, APPLIED TO THE UNDERSIDE OF THE CEILING ASSEMBLY,<br>INCLUDING ASSEMBLES USING THE GYPSUM PANEL AND<br>SHEATHING PRODUCTS LISTED IN THE GYPSUM ASSOCIATION<br>FIRE RESISTANCE DESIGN MANUAL.<br>7. THE UNDERSIDE OF A FLOOR PROJECTIONS ASSEMBLY<br>THAT MEETS THE PERFORMANCE CRITERIA IN SECTION<br>R337.7.10 WHEN TESTED IN ACCORDANCE WITH THE TEST<br>PROCEDURES SET FORTH IN ASTM E2957.<br>8. THE UNDERSIDE OF A FLOOR PROJECTIONS ASSEMBLY<br>THAT MEETS THE PERFORMANCE CRITERIA IN ACCORDANCE<br>WITH THE TEST PROCEDURES SET FORTH IN THE SFM STD<br>12-7A-3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <ol> <li>R337.8.2.1 EXTERIOR WINDOWS AND EXTERIOR GLAZE<br/>ASSEMBLY REQUIREMENTS:         <ol> <li>BE CONSTRUCTED OF MULTI-PANE GLAZING WI<br/>MINIMUM OF ONE TEMPERED PANE MEETING THE<br/>REQUIREMENTS OF SECTION 2406 SAFETY GLAZIN<br/>2. BE CONSTRUCTED OF GLASS BLOCK UNITS, OF<br/>3. HAVE A FIRE-RESISTANT RATING OF NOT LESS<br/>MINUTES WHEN TESTED IN ACCORDANCE TO NFP.<br/>4. BE TESTED TO MEET THE PERFORMANCE REQU<br/>OF SFM STANDARD 12-7A-2.</li> </ol> </li> <li>17. R337.8.3 EXTERIOR DOORS. EXTERIOR DOORS SHALL O<br/>WITH ONE OF THE FOLLOWING:</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul> <li>EXCEPTION TO SECTION R337.7.8: ARCHITECTURAL TRIM<br/>BOARDS DO NOT REQUIRE PROTECTION</li> <li>R337.7.9 UNDERFLOOR PROTECTION. THE UNDERFLOOR AREA OF<br/>ELEVATED OR OVERHANGING BUILDINGS SHALL BE ENCLOSED TO<br/>GRADE IN ACCORDANCE WITH THE REQUIREMENTS OF THIS<br/>CHAPTER OR THE UNDERSIDE OF THE EXPOSED UNDERFLOOR<br/>SHALL BE PROTECTED BY ONE OR MORE OF THE FOLLOWING:         <ol> <li>NONCOMBUSTIBLE MATERIAL.</li> <li>IGNITION-RESISTANT MATERIAL. THE IGNITION-RESISTANT<br/>MATERIAL SHALL BE LABELED FOR EXTERIOR USE AND SHALL<br/>MEET THE REQUIREMENTS OF SECTION R337.4.2</li> <li>FIRE-RETARDANT-TREATED-WOOD. THE FIRE-RETARDANT<br/>TREATED WOOD SHALL BE LABELED FOR EXTERIOR USE AND<br/>SHALL MEET THE REQUIREMENTS OF SECTION 2303.2</li> <li>MATERIALS APPROVED FOR NOT LESS THAN 1-HOUR<br/>FIRE-RESISTANCE-RATED CONSTRUCTION ON THE EXTERIOR<br/>SIDE, AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263</li> <li>ONE LAYER OF %" TYPE X GYPSUM SHEATHING APPLIED<br/>BEHIND AND EXTERIOR COVERING ON THE UNDERSIDE OF THE<br/>FLOOR PROJECTION</li> <li>THE EXTERIOR PORTION A 1-HOUR FIRE RESISTIVE<br/>EXTERIOR ASSEMBLY. AS TESTED IN ACCORDANCE WITH ASTM<br/>E119 OR UL 263, APPLIED TO THE UNDERSIDE OF THE FLOOR,<br/>INCLUDING ASSEMBLY SUING THE GYPSUM PANEL AND<br/>SHEATHING PRODUCTS LISTED IN ACCORDANCE WITH ASTM<br/>E119 OR UL 263, APPLIED TO THE UNDERSIDE OF THE FLOOR,<br/>INCLUDING ASSEMBLES USING THE GYPSUM PANEL AND<br/>SHEATHING PRODUCTS LISTED IN ACCORDANCE WITH ASTM<br/>E119 OR UL 263, APPLIED TO THE UNDERSIDE OF THE FLOOR,<br/>INCLUDING ASSEMBLY SUING THE GYPSUM PANEL AND<br/>SHEATHING PRODUCTS LISTED IN THE GYPSUM PANEL AND<br/>SHEATHING PRODUCTS LISTED IN THE GYPSUM PANEL AND<br/>SHEATHING PRODUCTS LISTED IN THE THE TEST PROCEDURES SET FORTH IN<br/>ASTM E2957.</li> </ol> </li></ul>    | <ol> <li>THE EXTERIOR SURFACE OR CLADDING SHALL<br/>NON-COMBUSTIBLE OR IGNITION-RESISTANT MATI</li> <li>THE EXTERIOR SURFACE OR CLADDING SHALL<br/>RESISTANT MATERIAL</li> <li>THE EXTERIOR DOOR SHALL BE CONSTRUCTED<br/>CORE WOOD THAT COMPLY WITH THE FOLLOWING<br/>REQUIREMENTS:         <ol> <li>STILES AND RAILS SHALL NOT BE LESS THAN<br/>THICK.</li> <li>STAISED PANELS SHALL NOT BE LESS THAN<br/>EXCEPT FOR THE EXTERIOR PERIMETER OF TH<br/>THAT SHALL BE PERMITTED TO TAPER TO A TO<br/>LESS THAN %" THICK.</li> <li>THE EXTERIOR DOOR SHALL HAVE A FIRE-RESI<br/>RATING OF NOT LESS THAN 20 MINUTES WHEN TE<br/>ACCORDING TO THE NFPA 252.</li> <li>THE EXTERIOR SURFACE OR CLADDING SHALL<br/>TO MEET THE PERFORMANCE IN SECTION R337.7.3<br/>TESTED IN ACCORDANCE WITH ASTM E2707.</li> <li>THE EXTERIOR SURFACE OR CLADDING SHALL<br/>TO MEET THE PERFORMANCE REQUIREMENTS OF<br/>STANDARD 12-7A-1.</li> </ol> </li> <li>R337.8.3.1 EXTERIOR DOOR GLAZING. GLAZING IN EXTIDOORS SHALL COMPLY WITH SECTION R337.8.2.1.</li> </ol> |

|                                                                                                                          | FIRE SPRINKLER NOTES                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| IEN REQUIRED BY THE<br>/ERHANGING<br>DE IN ACCORDANCE<br>R OR THE UNDERSIDE<br>ISIST OF ONE OF THE                       | <ol> <li>IF FIRE SPRINKLERS ARE REQUIRED AT PROPOSED DWELLING<br/>OR ADU THEN THE FOLLOWING NOTES APPLY.</li> <li>AUTOMATIC FIRE SPRINKLER SYSTEM - AN AUTOMATIC FIRE<br/>SPRINKLER SYSTEM SHALL BE INSTALLED AS PER NFPA 13D THE<br/>MOST CURRENT EDITION. DETAILED SPRINKLER PLANS SHALL BE<br/>SUBMITTED TO THE FIRE PREVENTION BUREAU AND APPROVED</li> </ol> | HSTC<br>eering + p<br>UDIO.COM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |
| IGNITION-RESISTANT<br>RIOR USE AND SHALL<br>R337.4.2                                                                     | PRIOR TO INSTALLATION. PLANS AND INSTALLATION MUST BE BY A<br>C16 LICENSED SPRINKLER CONTRACTOR.<br>3. SECTION R313.2.1 AN AUTOMATIC SPRINKLER SYSTEM                                                                                                                                                                                                             | ATI<br>ginee<br>HSTU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| HE FIRE-RETARDANT<br>R EXTERIOR USE AND<br>ECTION 2303.2<br>S THAN 1-HOUR<br>ON ON THE EXTERIOR<br>I ASTM E119 OR UL 263 | DESIGNED AND INSTALLED IN ACCORDANCE WITH SECTION R313.3<br>OR MFPA13D.                                                                                                                                                                                                                                                                                           | G N P L P L P L P L P L P L P L P L P L P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |
| HEATHING APPLIED<br>HE UNDERSIDE OF                                                                                      |                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
| TRE RESISTIVE<br>CORDANCE WITH<br>UNDERSIDE OF THE<br>SING THE GYPSUM<br>TED IN THE GYPSUM<br>N MANUAL.                  |                                                                                                                                                                                                                                                                                                                                                                   | BY USING THESE PERMIT READY CONSTRUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |
| ASSEMBLY THAT<br>I SECTION R337.7.11<br>HE TEST                                                                          |                                                                                                                                                                                                                                                                                                                                                                   | DOCUMENTS, THE RECIPIENT ACKNOWLEDGES,<br>ACCEPTS AND VOLUNTARILY AFFIRMS THE<br>FOLLOWING CONDITIONS:<br>1. THE USE OF THIS INFORMATION IS<br>RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH<br>IT WAS PREPARED FOR THE PERMIT READY                                                                                                                                                                                                                                                                                                                                                                      | ł |
| 7.<br>ASSEMBLY THAT<br>ACCORDANCE WITH<br>SFM STANDARD                                                                   |                                                                                                                                                                                                                                                                                                                                                                   | ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR<br>THE COUNTY OF RIVERSIDE ONLY. THIS IS A<br>LIMITED SET OF STANDARDIZED ADU PLANS AND<br>SPECIFICATIONS APPROVED BY THE COUNTY OF<br>RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES<br>DO CHANGE OVER TIME AND RECIPIENT SHALL<br>ENSURE FULL COMPLIANCE UNDER ALL CODES<br>THEN IN EFFECT AT THE TIME OF THE SUBJECT<br>DEFINIT THE DOES NOT EINMAKE OR DEFINICE THE                                                                                                                                                                                         |   |
| JCTURAL COLUMNS<br>TON WHEN<br>GLUE-LAMINATED<br>OMINAL DIMENSION OF<br>PLANKS SHALL BE<br>T CLOSE TOGETHER              |                                                                                                                                                                                                                                                                                                                                                                   | PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE<br>RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND<br>ALL INFORMATION RELEVANT TO THE RECIPIENT'S<br>WORK AND RESPONSIBILITY ON THIS PROJECT.<br>DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE<br>FOR TRANSLATION ERRORS. DO NOT USE THESE<br>CONSTRUCTION DOCUMENTS IF THE PERMIT HAS<br>EXPIRED OR IS REVOKED AT ALL.<br>2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES<br>THAT THE USE OF THIS INFORMATION WILL BE AT<br>THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR<br>LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO<br>WARRANTIES OF ANY NATURE, WHETHER EXPRESS |   |
| IG EXTERIOR GLAZING<br>MPLY WITH THIS                                                                                    |                                                                                                                                                                                                                                                                                                                                                                   | OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS<br>AND THE INFORMATION CONTAINED THEREON. ANY<br>USE, REUSE, OR ALTERATION OF THESE<br>DOCUMENTS BY THE RECIPIENT OR BY OTHERS<br>WILL BE AT THE RECIPIENT'S RISK AND FULL<br>LEGAL RESPONSIBILITY. FURTHERMORE, THE<br>RECIPIENT WILL, TO THE FULLEST EXTENT<br>PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD                                                                                                                                                                                                                                                |   |
| R DOORS<br>R GARAGE DOORS<br>EERS                                                                                        |                                                                                                                                                                                                                                                                                                                                                                   | DESIGN PATH STUDIO AND ITS ARCHITECTS<br>HARMLESS FROM ANY AND ALL CLAIMS, SUITS,<br>LIABILITY, DEMANDS, JUDGMENTS, OR COSTS<br>ARISING OUT OF OR RESULTING THERE FROM ANY<br>USE OF THESE CONSTRUCTION DOCUMENTS FOR<br>OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE<br>OR LOSS TO PERSONS OR PROPERTY, DIRECT OR<br>CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS<br>INDEMNITY DOES NOT APPLY TO THE SOLE<br>NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN                                                                                                                                                      |   |
| OR GLAZED DOOR                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                   | PATH STUDIO OR ITS ARCHITECTS.<br>3. THE DESIGNS REPRESENTED BY THESE PLANS<br>ARE COPYRIGHTED AND ARE SUBJECT TO<br>COPYRIGHT PROTECTION.<br>4. IF THE RECIPIENT DOES NOT AGREE WITH THE                                                                                                                                                                                                                                                                                                                                                                                                                |   |
| LAZING WITH A<br>TING THE<br>TY GLAZING, OR<br>UNITS, OR<br>NOT LESS THAN 20                                             |                                                                                                                                                                                                                                                                                                                                                                   | ABOVE CONDITIONS, DO NOT PROCEED WITH<br>CONSTRUCTION OF AN ADU OR OTHER<br>IMPROVEMENT UNDER THESE PLANS AT ALL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |
| E TO NFPA 257, OR<br>NCE REQUIREMENTS                                                                                    |                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
| RS SHALL COMPLY                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
| NG SHALL BE OF<br>FANT MATERIAL<br>NG SHALL BE IGNITION                                                                  |                                                                                                                                                                                                                                                                                                                                                                   | project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |
| STRUCTED OF SOLID<br>OLLOWING                                                                                            |                                                                                                                                                                                                                                                                                                                                                                   | County of Riverside<br>Pre-Approved                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |
| LESS THAN 1-3/8"<br>SS THAN 1-1/4" THICK.                                                                                |                                                                                                                                                                                                                                                                                                                                                                   | ADU Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |   |
| R TO A TONGUE NOT                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                   | revisions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |
| FIRE-RESISTANCE<br>WHEN TESTED                                                                                           |                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
| NG SHALL BE TESTED<br>ON R337.7.3.1 WHEN<br>2707.                                                                        |                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
| NG SHALL BE TESTED<br>MENTS OF SFM                                                                                       |                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
| NG IN EXTERIOR<br>8.2.1.                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                   | description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |   |
|                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                   | General<br>Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |
|                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                   | date 20 January 2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
|                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                   | project no. RIVERSIDE ADU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |
|                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                   | drawn by DESIGN PATH STUDIO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |   |
|                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                   | sheet no. G0.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |

|                                                                                         |                                                                                                                                                                                                                           | SCHEE                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                     |                                                                                                                                                                                                                |                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                             | VHFSZ                                                                                                                               |
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| NDOW                                                                                    | WIDTH                                                                                                                                                                                                                     | HEIGHT                                                                                                                                                                                                                       | OPER.                                                                                                                                                                                                                                                                                                              | QNTY                                                                                                                                                                                                                | FRAME                                                                                                                                                                                                          | HEAD<br>HEIGHT                                                                                                                                                                            | LOCATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | REMARKS                                                                                                                                                                                                                     | SEE SH<br>(WHEN                                                                                                                     |
| А                                                                                       | 3'- <sup>0"</sup>                                                                                                                                                                                                         | 4'- <sup>0"</sup>                                                                                                                                                                                                            | SINGLE HUNG                                                                                                                                                                                                                                                                                                        | 1                                                                                                                                                                                                                   | VINYL                                                                                                                                                                                                          | 6'-8"                                                                                                                                                                                     | FRONT LIVING ROOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                             | NOTE                                                                                                                                |
| В                                                                                       | 3'- <sup>0"</sup>                                                                                                                                                                                                         | 3'- <sup>0"</sup>                                                                                                                                                                                                            | SINGLE HUNG                                                                                                                                                                                                                                                                                                        | 1                                                                                                                                                                                                                   | VINYL                                                                                                                                                                                                          | 6'-8"                                                                                                                                                                                     | KITCHEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                             | NOTE                                                                                                                                |
| C                                                                                       | 3'- <sup>0"</sup>                                                                                                                                                                                                         | 2'- <sup>0"</sup>                                                                                                                                                                                                            | SLIDER                                                                                                                                                                                                                                                                                                             | 1                                                                                                                                                                                                                   | VINYL                                                                                                                                                                                                          | 6'-8"                                                                                                                                                                                     | BATHROOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TEMPERED                                                                                                                                                                                                                    | NOTE                                                                                                                                |
| D<br>E                                                                                  | 3'- <sup>0"</sup><br>5'- <sup>0"</sup>                                                                                                                                                                                    | 3'- <sup>0"</sup><br>3'- <sup>0"</sup>                                                                                                                                                                                       | SLIDER                                                                                                                                                                                                                                                                                                             | 2                                                                                                                                                                                                                   | VINYL                                                                                                                                                                                                          | 6'-8"<br>6'-8"                                                                                                                                                                            | BEDROOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WINDOW NOTE                                                                                                                                                                                                                 | E #7 NOTE                                                                                                                           |
| F                                                                                       | 6'- <sup>0"</sup>                                                                                                                                                                                                         | 3'- <sup>0"</sup>                                                                                                                                                                                                            | SLIDER                                                                                                                                                                                                                                                                                                             | 1                                                                                                                                                                                                                   | VINYL                                                                                                                                                                                                          | 6'-8"                                                                                                                                                                                     | LIVING ROOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                             | NOTE NOTE                                                                                                                           |
|                                                                                         |                                                                                                                                                                                                                           |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                     |                                                                                                                                                                                                                |                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                             |                                                                                                                                     |
|                                                                                         |                                                                                                                                                                                                                           | OTES                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                     |                                                                                                                                                                                                                |                                                                                                                                                                                           | IWS TO HAVE SCREENS).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                             |                                                                                                                                     |
| 7. EVERY<br>CLEAR WIE<br>3. TEMPEF<br>9. EVERY<br>R303<br>TH<br>10. EXTEF<br>11. FIRE-F | SLEEPING RO<br>DTH OF 20" A<br>RED GLASS S<br>SPACE INTEN<br>IE MINIMUM N<br>IE MINIMUM N<br>IE MINIMUM N<br>IE MINIMUM N<br>IE MINIMUM N<br>RESISTANCE<br>OLLOWING W<br>-SLIDIN<br>-GLAZIN<br>ABOVE<br>-GLAZIN<br>CLOSEI | Dom Shall H.<br>ND A FIN. Sill<br>Shall Be Per<br>NDED FOR HU<br>VET GLAZED A<br>DPENABLE AR<br>VS, WINDOW Y<br>RATED GLAZI<br>VINDOWS SHA<br>G/SWINGING (<br>IG IN WALLS A<br>THE STANDIN<br>IG WITHIN A 2<br>D POSITION AI | HEIGHT OF NOT MORI<br>MANENTLY IDENTIFIED<br>MAN OCCUPANCY SHA<br>REA FOR NATURAL LIC<br>EA TO THE OUTDOORS<br>WALLS, GLAZED DOOR<br>NG TESTED AS PART O<br>LL BE FULLY TEMPERE<br>GLASS DOORS<br>ND ENCLOSURES FAC<br>G SURFACE WITHIN TH<br>4" ARC OF A DOOR TH/<br>ND WITHIN 24" OF HING<br>E EXPOSED AREA IS G | VINDOW FOR E<br>E THAN 44" A.F<br>O AND VISIBLE<br>ALL BE PROVID<br>GHT SHALL NO<br>S FOR NATURA<br>S, AND GLAZE<br>OF A FIRE-RES<br>ED: (CRC R308<br>HE COMPARTM<br>AT IS LESS TH,<br>SE SIDE OF AN<br>REATER THAN | F.F. PER CRC S<br>WHEN THE UN<br>DED WITH NATU<br>DT BE LESS TH,<br>AL VENTILATIO<br>ED OPENINGS N<br>SISTANCE-RATE<br>.4)<br>S, SPAS, WHIR<br>MENT AND WITH<br>AN 60 INCHES<br>IN-SWING DOO<br>N 9SQ.FT, BOTT | SECTION 310.<br>IIT IS GLAZEE<br>JRAL VENTILJ<br>AN 8%OF THE<br>N SHALL BE 4<br>WITHIN EXTER<br>ED WALL ASS<br>LPOOLS, SAU<br>HIN 60 INCHE<br>ABOVE THE F<br>OR. (R308.4.2<br>FOM IS LESS | ).<br>ATION AND NATURAL LIGHT BY MEANS OF<br>EFLOOR AREA OF THE ROOM SERVED. CB<br>W OF THE FLOOR AREA BEING VENTILATE<br>RIOR DOORS SHALL BE INSULATING-GLASS<br>EMBLY IN ACCORDANCE WITH ASTM E 119<br>NAS, STEAM ROOMS, BATHTUBS, SHOWEF<br>S HORIZONTALLY OF THE WATER'S EDGE<br>FLOOR. SAFETY GLAZING REQUIRED ON A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | VENTILATION / ARTIFICIAL LIGHT.<br>C SECTION 1205.2.<br>D. SECTION 1203.4<br>S UNITS WITH A MINIMUM OF ONE<br>OR UL 263 TO BE CONSTRUCTED<br>RS AND SWIMMING POOLS WHERE<br>(CRC R308.4.5)<br>WALL LESS THAN 180 DEGREES FI | CBC SECTIONS 1203.4 AND 1205.1<br>TEMPERED PANE<br>PER NOTE #13<br>E THE GLAZING IS LESS THAN 60 IN<br>ROM THE PLANE OF THE DOOR IN |
|                                                                                         | BOTTON<br>-GLAZIN                                                                                                                                                                                                         | IG IN GUARDS                                                                                                                                                                                                                 | , STAIRWAY AND LESS<br>5 AND RAILINGS<br>TO STAIRWAYS, LAND                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                     |                                                                                                                                                                                                                |                                                                                                                                                                                           | ITALLY OF THE WALKING SURFACE LESS T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | HAN 36IN. ABOVE THE WALKING S                                                                                                                                                                                               | SURFACE                                                                                                                             |
| ×                                                                                       | BOTTOI<br>-GLAZIN<br>-GLAZIN                                                                                                                                                                                              | IG IN GUARDS<br>IG ADJACENT                                                                                                                                                                                                  | SAND RAILINGS<br>TO STAIRWAYS, LAND                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                     |                                                                                                                                                                                                                |                                                                                                                                                                                           | TALLY OF THE WALKING SURFACE LESS T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | HAN 36IN. ABOVE THE WALKING S                                                                                                                                                                                               |                                                                                                                                     |
| EXTER                                                                                   | BOTTOI<br>-GLAZIN<br>-GLAZIN                                                                                                                                                                                              | IG IN GUARDS<br>IG ADJACENT                                                                                                                                                                                                  | AND RAILINGS<br>TO STAIRWAYS, LAND                                                                                                                                                                                                                                                                                 | INGS, AND RA                                                                                                                                                                                                        | MPS WITHIN 30                                                                                                                                                                                                  | 6IN. HORIZON                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                             |                                                                                                                                     |
|                                                                                         |                                                                                                                                                                                                                           | AFTSMAN                                                                                                                                                                                                                      | AND RAILINGS<br>TO STAIRWAYS, LAND                                                                                                                                                                                                                                                                                 | INGS, AND RA                                                                                                                                                                                                        | MPS WITHIN 30                                                                                                                                                                                                  | 6IN. HORIZON                                                                                                                                                                              | $\begin{array}{c} 1 \\ A0.1 \\ \hline \\ 0 \\ \hline \hline \hline \hline$ |                                                                                                                                                                                                                             |                                                                                                                                     |
|                                                                                         |                                                                                                                                                                                                                           | AFTSMAN                                                                                                                                                                                                                      | AND RAILINGS<br>TO STAIRWAYS, LAND                                                                                                                                                                                                                                                                                 | INGS, AND RA                                                                                                                                                                                                        | MPS WITHIN 30                                                                                                                                                                                                  | 6IN. HORIZON                                                                                                                                                                              | $\begin{array}{c} 1 \\ A0.1 \\ \hline \\ 0 \\ \hline \hline \hline \hline$ |                                                                                                                                                                                                                             | $-0^{"}$ $5'-0"$<br>1 $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$                                                                           |
|                                                                                         | BOTTOI<br>-GLAZIN<br>-GLAZIN<br>3'-0"                                                                                                                                                                                     | AFTSMAN                                                                                                                                                                                                                      | AND RAILINGS<br>TO STAIRWAYS, LAND                                                                                                                                                                                                                                                                                 | INGS, AND RA                                                                                                                                                                                                        | MPS WITHIN 30                                                                                                                                                                                                  | 6IN. HORIZON                                                                                                                                                                              | $\begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 $                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                             |                                                                                                                                     |
|                                                                                         | BOTTOI<br>-GLAZIN<br>-GLAZIN<br>3'-0"                                                                                                                                                                                     | AFTSMAN                                                                                                                                                                                                                      | AND RAILINGS<br>TO STAIRWAYS, LAND                                                                                                                                                                                                                                                                                 | INGS, AND RA                                                                                                                                                                                                        |                                                                                                                                                                                                                | 6IN. HORIZON                                                                                                                                                                              | $ \begin{array}{c}                                     $                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                             | $0^{"}$ $5'-0"$<br>$1^{"}$ $5'-0"$<br>E<br>$0^{"}$ $5'-0"$<br>E                                                                     |

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EXTERIOR TRADITIONAL ELEVATION 1/4"=1'-0"

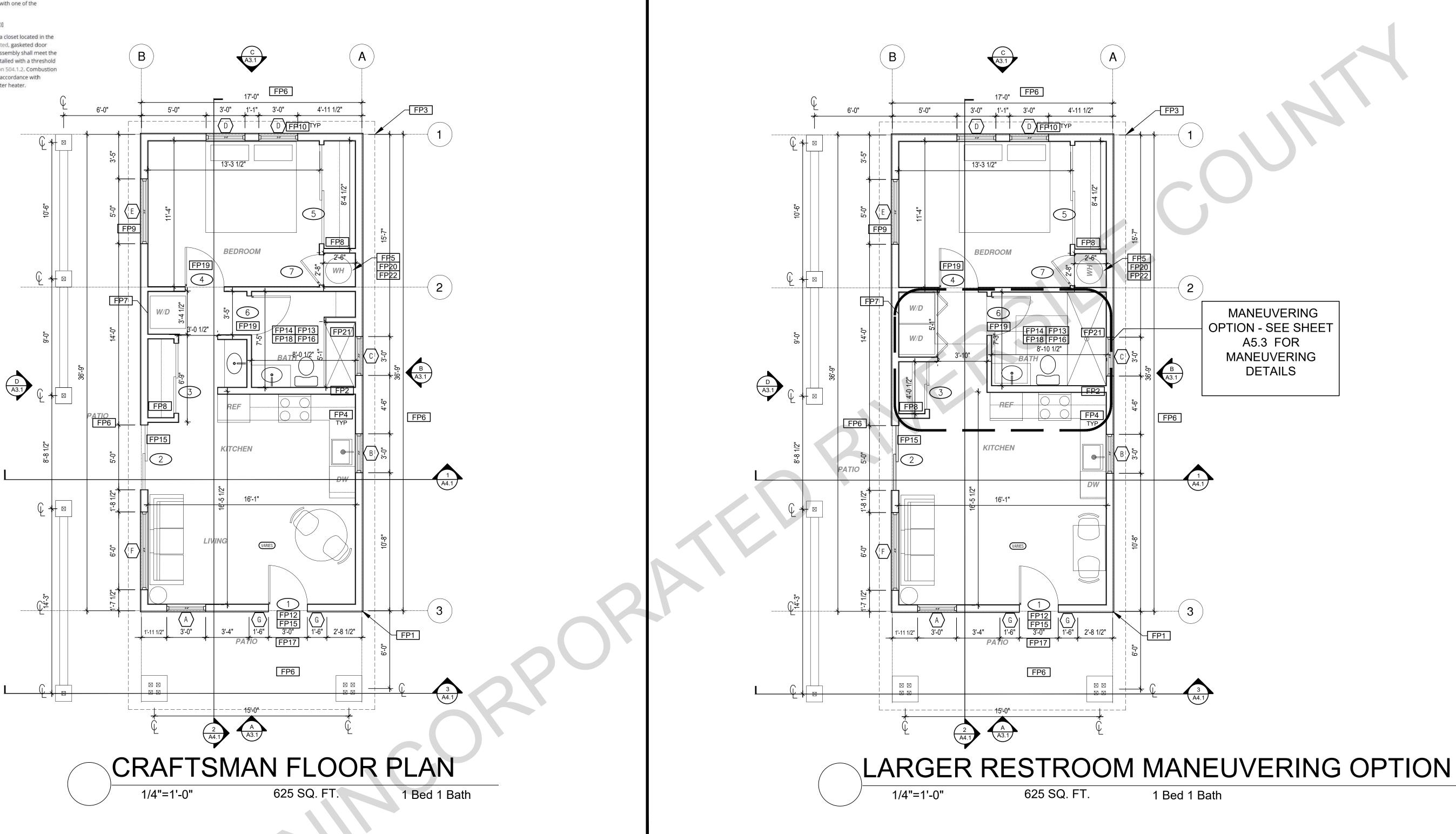


#### 504.1 Location

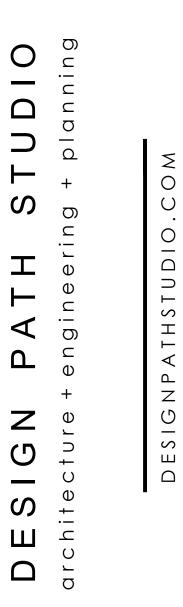
Water heater installations in bedrooms and bathrooms shall comply with one of the

following [NFPA 54:10.27.1]:

- (1) Water heater shall be of the direct vent type. [NFPA 54:10.27.1(2)]
- (2) Fuel-burning water heaters shall be permitted to be installed in a closet located in the bedroom or bathroom provided the closet is equipped with a listed, gasketed door assembly and a listed self-closing device. The self-closing door assembly shall meet the requirements of Section 504.1.1. The door assembly shall be installed with a threshold and bottom door seal and shall meet the requirements of Section 504.1.2. Combustion air for such installations shall be obtained from the outdoors in accordance with Section 506.4. The closet shall be for the exclusive use of the water heater.



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| ROOF KEYNOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FLOOR PLAN KEYNOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SOLAR READY NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LEGEND |
| <ul> <li>RP1 LINE OF ROOF OVERHANG</li> <li>RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2</li> <li>RP3 SUPPORT POST BELOW</li> <li>RP4 LINE OF WALLS BELOW</li> <li>RP5 ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER IN HIGH FIRE SEVERITY ZONES.</li> <li>RP6 EXAMPLE DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET. O'HAGIN VENTS OR EQUIVALENT TO BE USED AT SOLAR PANEL LOCATIONS.</li> <li>RP7 RAFTER VENTS TO MEET REQUIRED VENTILATION AREA FOR ENCLOSED RAFTER SPACES. MAX ¼", 18" IN HIGH FIRE ZONE, MIN ¼6" OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL. 1 SF OF VENTING PER 150 SF OF ENCLOSED RAFTER RAEA IN NON-FIRE RATED CONSTRUCTION PLEASE SEE VENTING CALCULATIONS OF THIS SHEET</li> <li>RP8 ROOF VENTILATION TO BE PROVIDED AND LOCATED TO CREATE PROPER CROSS VENTILATION</li> </ul> | FP1       Strub wall size per structural.       FP13       SHOWER ENCLOSURE MUST BE TEMPERED.       Containing Battrubs, Strub wall, Strub wall | SOLAR READY ROOF AREA:<br>MIN DIMENSION > 5FT. MIN. SF. > 80SF.<br>PER CALIFORNIA ENERGY CODE SECTION 110.10(b)<br>THE SOLAR ZONE SHALL COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION<br>AND SIPACING REQUIREMENTS AS SPECIFIED IN TILE 24, PART 9 OR OTHER<br>PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED NY LOCAL JURISDICTION<br>SINGLE FAMILY RESIDENCE. THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF<br>OR OVERHANG OF THE BUILDING AND HAVE A TOTAL AREA OF NO LESS THAN<br>250SQFT.<br>FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE<br>PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR<br>SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR<br>PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW<br>TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK IS<br>REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE.<br>CAPACITY OF THE PV SYSTEMS PER THE INITIAL CF1R-PRF: <u>2.49 kWdc</u><br>TO BE UPDATED WITH SITE SPECIFIC NUMBERS.<br><b>VENTING CALCULATIONS</b><br>ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR<br>ENCLOSED RAFTER AREA.<br>ENCLOSED R |        |



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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE COUNTY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ANY USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO 

project

County of Riverside Pre-Approved ADU Program

revisions 01

description

# Floor Plan 1 Bedroom Craftsman

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | design path studio |
| sheet no.   |                    |

A1.

X KEYNOTE SECTION CUT X ELEVATION CALLOUT DOOR SYMBOL  $\langle x \rangle$ WINDOW SYMBOL DETAIL DRAWING REF. WALL BELOW OR ROOF ABOVE Ϋ́-Χ") CEILING HEIGHTS (VARIES) SOLAR ZONE. REFER TO SOLAR NOTES ON VAULTED CEILING SHEET G0.2 X:12 ROOF SLOPE ROOFING

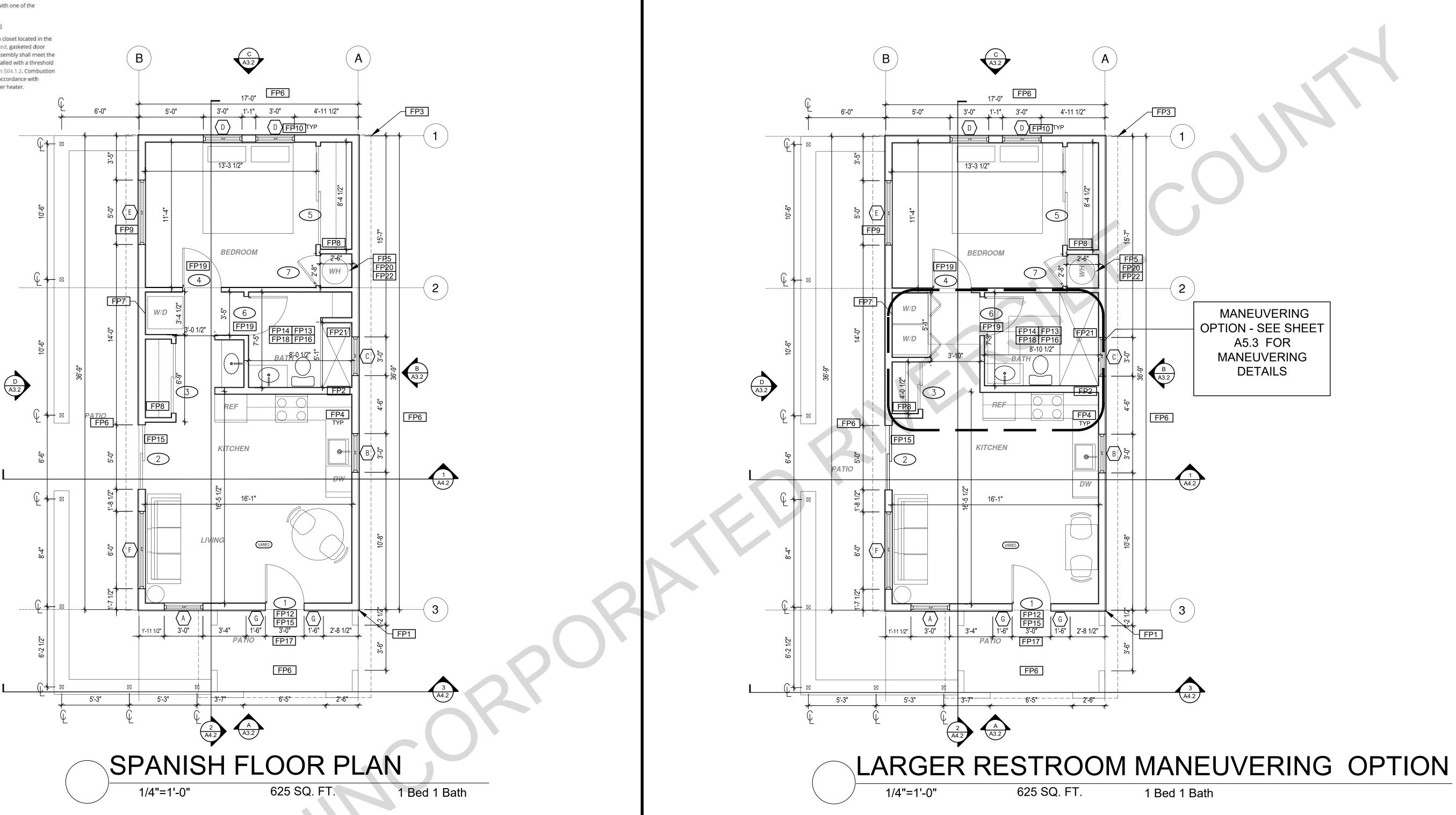
#### 504.1 Location

Water heater installations in bedrooms and bathrooms shall comply with one of the

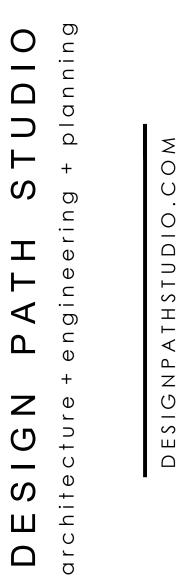
following [NFPA 54:10.27.1]:

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| ROOF KEYNOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FLOOR PLAN KEYNOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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                                                            | SOLAR READY NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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SEE MECHANICAL /<br/>PLUMBING PLANS FOR FURTHER INFORMATION</li> <li>FP8 CLOSET SHELF AND POLE</li> <li>FP9 EMERGENCY EGRESS WINDOW</li> <li>FP10 WINDOW MUST HAVE A FRAME AND SASH<br/>COMPRISED OF WELDED CORNERS, METAL<br/>REINFORCEMENT IN THE INTERLOCK AREA, AND<br/>CONSTRUCTED OF MULTIPANE TEMPERED GLAZING<br/>WHERE INDICATED TYPICAL ALL WINDOWS</li> <li>FP11 NOTE USED</li> <li>FP12 MIN. 1 HINGED ENTRY DOOR FOR EGRESS<br/>COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL<br/>BE SIDE-HNGED AND SHALL PROVIDE A CLEAR WIDTH<br/>OF NOT LESS THAN 32 INCHES WHERE MEASURED<br/>BETWEEN THE FACE OF THE DOOR AND THE STOP,<br/>WITH THE DOOR OPEN 90°. THE CLEAR HEIGHT OF THE<br/>DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES<br/>IN HEIGHT MEASURED FROM THE TOP OF THE<br/>THRESHOLD TO THE BOTTOM OF THE STOP</li> </ul> | <ul> <li>FP13 SHOWER ENCLOSURE MUST BE TEMPERED.<br/>GLAZING IN THE WALLS/DOORS FACING OR<br/>CONTAINING BATHTUBS, SHOWERS, HOT TUBS,<br/>SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS AND<br/>INDOOR/OUTDOOR SWIMMING POOLS WHERE THE<br/>BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS<br/>THAN 60" ABOVE THE STANDING SURFACE.<br/>EXCEPTION: GLAZING THAT IS MORE THAN 60",<br/>MEASURED HORIZONTALLY, FROM THE WATER'S<br/>EDGE OF A BATHTUB, HOT TUB, SPA, WHIRLPOOL<br/>OR SWIMMING POOL. SHOWER DOORS SHALL OPEN<br/>AS TO MAINTAIN NOT LESS THAN A 22-INCH<br/>UNOBSTRUCTED OPENING FOR EGRESS.</li> <li>FP14 PER SECTION 301.1.1 CALGREEN AND CIVIL CODE<br/>1101.3(c), ALL PLUMBING FIXTURES SHALL BE<br/>COMPLIANT WATER -CONSERVING PLUMBING<br/>FIXTURES. SEE MECHANICAL / PLUMBING PLANS FOR<br/>FURTHER INFORMATION</li> <li>FP15 LANDING OR FLOOR REQUIRED AT EACH SIDE OF<br/>EXTERIOR DOOR. WIDTH TO BE NOT LESS THAN THE<br/>DOOR SERVED AND HAVE A MIN 36 INCH DEPTH<br/>MEASURED IN THE DIRECTION OF TRAVEL. EXTERIOR<br/>LANDINGS SHALL BE PERMITTED TO HAVE A SLOPE<br/>NOT TO EXCEED <sup>1</sup>/<sub>4</sub>" PER FOOT, (CRC 3111.3) LANDINGS<br/>OR FINISHED FLOORS AT EGRESS DOOR SHALL NOT<br/>BE MORE THAN 1.5" LOWER THAN THE TOP OF THE<br/>THRESHOLD FOR OUTWARD SWINGING DOORS OR<br/>7.75" FOR DOORS THAT DO NOT SWING OUTWARD.<br/>(CRC 3111.3.1)<br/>DOORS OTHER THAN THE REQUIRED EGRESS DOOR<br/>SHALL BE PROVIDED WITH LANDINGS OR FLOORS NOT<br/>MORE THAN 7.75" BELOW THE TOP OF THE<br/>THRESHOLD (CRC 3111.3.2)</li> </ul> | <ul> <li>FP16 WALL COVERING SHALL BE CEMENT PLASTER, TILE OR<br/>APPROVED EQUAL TO 72" ABOVE DRAIN AT SHOWERS OR<br/>TUB WITH SHOWERS. MATERIALS USED AS BACKERS FOR<br/>WALL TILE IN TUBE AND REINFORCED GYPSUM PANELS,<br/>NON-ASBESTOS FIBER CEMENT BACKER BOARD, OR<br/>NON-ASBESTOS FIBER CEMENT REINFORCED<br/>CEMENTITIOUS BACKER UNITS INSTALLED IN ACCORDANCE<br/>WITH MANUFACTURERS' RECOMMENDATIONS.</li> <li>FP17 DOOR BELL BUTTON TO BE NO MORE THEN<br/>48" ABOVE EXTERIOR FLOOR OR LANDING</li> <li>FP18 WATER CLOSET AND SHOWER TO HAVE<br/>REINFORCEMENT IN WALLS 2X8 NOMINAL AT 32" TO<br/>39.5" ABOVE FINISH FLOOR. SEE FLOOR PLAN GENERAL<br/>NOTE #28 ON SHEET G0.2 FOR FURTHER INFORMATION.<br/>WHERE THE WATER CLOSET IS NOT PLACED ADJACENT<br/>TO A SIDE WALL CAPABLE OF ACCOMMODATING A<br/>GRAB BAR, THE BATHROOM SHALL HAVE PROVISIONS<br/>FOR INSTALLATION OF FLOOR-MOUNTED, FOLDAWAY<br/>OR SIMILAR ALTERNATE GRAB BAR REINFORCEMENTS<br/>APPROVED BY THE ENFORCING AGENCY.</li> <li>FP19 DOOR TO HAVE A NET CLEAR<br/>OPENING OF 32"</li> <li>FP20 DESIGNATED 2'- 6" x 2'- 6" x 7' TALL MINIMUM AREA FOR<br/>INSTALLATION OF AN ELECTRIC HYBRID HEAT PUMP<br/>WATER HEATER PER CEC 2022 SECTION 150.0(N)</li> <li>FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER<br/>LENGTH</li> <li>FP22 WATER HEATER TO BE STRAPPED TO WALL PER CRC 507.2<br/>REQUIREMENTS</li> </ul> | SOLAR READY ROOF AREA:<br>MIN DIMENSION > 5FT. MIN. SF. > 80SF.<br>PER CALIFORNIA ENERGY CODE SECTION 110.10(b)<br>THE SOLAR ZONE SHALL COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION<br>AND SIPACING REQUIREMENTS AS SPECIFIED IN TILE 24, PART 9 OR OTHER<br>PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED NY LOCAL JURISDICTION<br>SINGLE FAMILY RESIDENCE. THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF<br>OR OVERHANG OF THE BUILDING AND HAVE A TOTAL AREA OF NO LESS THAN<br>250SQFT.<br>FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE<br>PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR<br>SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR<br>PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW<br>TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK IS<br>REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE.<br>CAPACITY OF THE PV SYSTEMS PER THE INITIAL CF1R-PRF: 249 kWdc<br>TO BE UPDATED WITH SITE SPECIFIC NUMBERS.<br><b>VENTING CALCULATIONS</b><br>ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR<br>ENCLOSED RAFTER AREA.<br>ENCLOSED RAF |        |



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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE COUNTY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ANY USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO 

project

County of Riverside Pre-Approved ADU Program

revisions 

description

# Floor Plan 1 Bedroom Spanish

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | design path studio |
| sheet no.   |                    |

A1.2

| SECTION CUT                                          | X KEYNOTE              |
|------------------------------------------------------|------------------------|
| ELEVATION<br>CALLOUT                                 | X DOOR SYMBOL          |
| DETAIL<br>DRAWING REF.                               | X WINDOW SYMBOL        |
| WALL BELOW OR<br>ROOF ABOVE                          | X'-X" CEILING HEIGHTS  |
| SOLAR ZONE. REFER<br>TO SOLAR NOTES ON<br>SHEET G0.2 | VARIES VAULTED CEILING |
|                                                      | X:12 ROOF SLOPE        |
| ROOFING                                              | •                      |
|                                                      |                        |

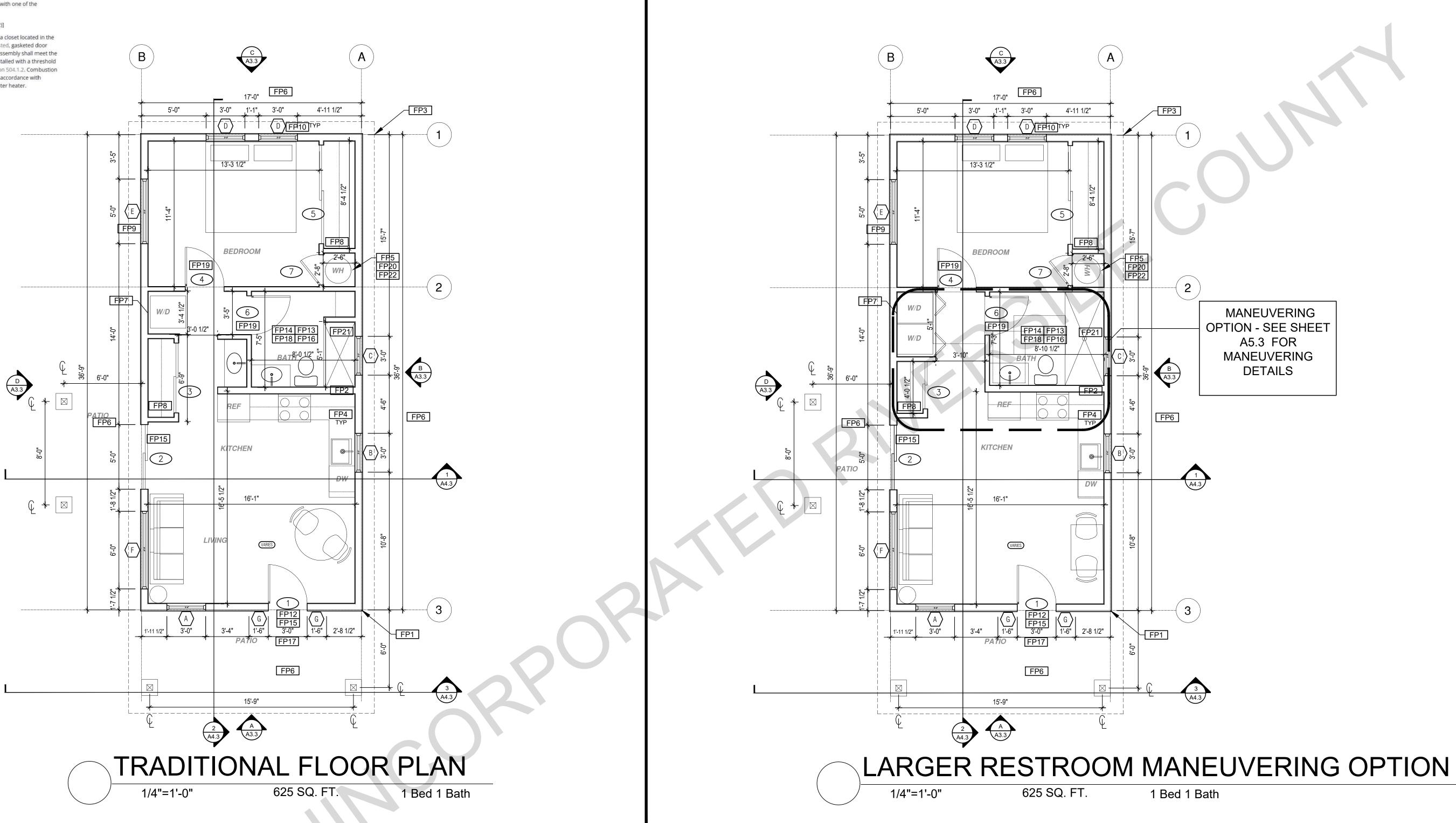
#### 504.1 Location

Water heater installations in bedrooms and bathrooms shall comply with one of the

following [NFPA 54:10.27.1]:

(1) Water heater shall be of the direct vent type. [NFPA 54:10.27.1(2)]

(2) Fuel-burning water heaters shall be permitted to be installed in a closet located in the bedroom or bathroom provided the closet is equipped with a listed, gasketed door assembly and a listed self-closing device. The self-closing door assembly shall meet the requirements of Section 504.1.1. The door assembly shall be installed with a threshold and bottom door seal and shall meet the requirements of Section 504.1.2. Combustion air for such installations shall be obtained from the outdoors in accordance with Section 506.4. The closet shall be for the exclusive use of the water heater.



| ROOF KEYNOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FLOOR PLAN KEYNOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <ul> <li>RP1 LINE OF ROOF OVERHANG</li> <li>RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET GO.2</li> <li>RP3 SUPPORT POST BELOW</li> <li>RP4 LINE OF WALLS BELOW</li> <li>RP5 ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER IN HIGH FIRE SEVERITY ZONES.</li> <li>RP6 EXAMPLE DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET. O'HAGIN VENTS OR EQUIVALENT TO BE USED AT SOLAR PANEL LOCATIONS.</li> <li>RP7 RAFTER VENTS TO MEET REQUIRED VENTILATION AREA FOR ENCLOSED RAFTER SPACES. MAX ¼", <sup>1</sup>/<sub>4</sub>" IN HIGH FIRE ZONE, MIN ½", OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL 1 SF OF VENTING PER 150 SF OF ENCLOSED RAFTER AREA IN NON-FIRE RATED CONSTRUCTION PLEASE SEE VENTING CALCULATIONS OF THIS SHEET</li> <li>RP8 ROOF VENTILATION TO BE PROVIDED AND LOCATED TO CREATE PROPER CROSS VENTILATION</li> </ul> | <ul> <li>FP1 STUD WALL SIZED PER STRUCTURAL</li> <li>FP2 2X6 STUD WALL OR FURRING AS NEEDED FOR<br/>MECHANICAL / PLUMBING / VENTING</li> <li>FP3 LINE OF OVERHANG ABOVE</li> <li>FP4 36" HIGH COUNTER</li> <li>FP5 WATER HEATER</li> <li>FP6 SLOPE SURFACE AWAY FROM BUILDING</li> <li>FP7 DRYER VENT TERMINATION ON EXTERIOR WALL TO<br/>BE A MINIMUM OF 3 FT FROM ANY OPENING. VENT<br/>DRYER THROUGH WALL. SEE MECHANICAL /<br/>PLUMBING PLANS FOR FURTHER INFORMATION</li> <li>FP8 CLOSET SHELF AND POLE</li> <li>FP9 EMERGENCY EGRESS WINDOW</li> <li>FP10 WINDOW MUST HAVE A FRAME AND SASH<br/>COMPRISED OF WELDED CORNERS, METAL<br/>REINFORCEMENT IN THE INTERLOCK AREA, AND<br/>CONSTRUCTED OF MULTIPANE TEMPERED GLAZING<br/>WHERE INDICATED TYPICAL ALL WINDOWS</li> <li>FP11 NOTE USED</li> <li>FP12 MIN. 1 HINGED ENTRY DOOR FOR EGRESS<br/>COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL<br/>BE SIDE-HNGED AND SHALL PROVIDE A CLEAR WIDTH<br/>OF NOT LESS THAN 32 INCHES WHERE MEASURED<br/>BETWEEN THE FACE OF THE DOOR AND THE STOP,<br/>WITH THE DOOR OPEN 90°. THE CLEAR HEIGHT OF THE<br/>DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES<br/>IN HEIGHT MEASURED FROM THE TOP OF THE<br/>THRESHOLD TO THE BOTTOM OF THE STOP</li> </ul> | <ul> <li>FP13 SHOWER ENCLOSURE MUST<br/>GLAZING IN THE WALLS/DOOI<br/>CONTAINING BATHTUBS, SHO<br/>SPAS, WHIRLPOOLS, SAUNAS<br/>INDOOR/OUTDOOR SWIMMING<br/>BOTTOM EXPOSED EDGE OF<br/>THAN 60" ABOVE THE STANDI<br/>EXCEPTION: GLAZING THAT IS<br/>MEASURED HORIZONTALLY, F<br/>EDGE OF A BATHTUB, HOT TU<br/>OR SWIMMING POOL. SHOWE<br/>AS TO MAINTAIN NOT LESS TI<br/>UNOBSTRUCTED OPENING FO<br/>ENTROPOLIANT WATER -CONSER<br/>FIXTURES. SEE MECHANICAL<br/>FURTHER INFORMATION</li> <li>FP15 LANDING OR FLOOR REQUIRE<br/>EXTERIOR DOOR. WIDTH TO E<br/>DOOR SERVED AND HAVE A<br/>MEASURED IN THE DIRECTION<br/>LANDINGS SHALL BE PERMITI<br/>NOT TO EXCEED <sup>1</sup>/<sub>4</sub>" PER FOOT<br/>OR FINISHED FLOORS AT EGF<br/>BE MORE THAN 1.5" LOWER T<br/>THRESHOLD FOR OUTWARD S<br/>7.75" FOR DOORS THAT DO NO<br/>(CRC 3111.3.1)<br/>DOORS OTHER THAN THE REO<br/>SHALL BE PROVIDED WITH LA<br/>MORE THAN 7.75" BELOW THE<br/>THRESHOLD (CRC 3111.3.2)</li> </ul> |

SOLAR READY NOTES LEGEND ST BE TEMPERED. FP16 WALL COVERING SHALL BE CEMENT PLASTER, TILE OR OORS FACING OR APPROVED EQUAL TO 72" ABOVE DRAIN AT SHOWERS OR SOLAR READY ROOF AREA: HOWERS, HOT TUBS, TUB WITH SHOWERS. MATERIALS USED AS BACKERS FOR MIN DIMENSION > 5FT. MIN. SF. > 80SF. NAS, STEAM ROOMS AND WALL TILE IN TUBE AND REINFORCED GYPSUM PANELS, PER CALIFORNIA ENERGY CODE SECTION 110.10(b) AING POOLS WHERE THE NON-ASBESTOS FIBER CEMENT BACKER BOARD, OR OF THE GLAZING IS LESS NON-ASBESTOS FIBER CEMENT REINFORCED THE SOLAR ZONE SHALL COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION, NDING SURFACE. CEMENTITIOUS BACKER UNITS INSTALLED IN ACCORDANCE AND S[PACING REQUIREMENTS AS SPECIFIED IN TILE 24, PART 9 OR OTHER IS MORE THAN 60", WITH MANUFACTURERS' RECOMMENDATIONS. PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED NY LOCAL JURISDICTION , FROM THE WATER'S TUB, SPA, WHIRLPOOL FP17 DOOR BELL BUTTON TO BE NO MORE THEN SINGLE FAMILY RESIDENCE. THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF WER DOORS SHALL OPEN 48" ABOVE EXTERIOR FLOOR OR LANDING OR OVERHANG OF THE BUILDING AND HAVE A TOTAL AREA OF NO LESS THAN THAN A 22-INCH 250SQFT. G FOR EGRESS. FP18 WATER CLOSET AND SHOWER TO HAVE FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE REINFORCEMENT IN WALLS 2X8 NOMINAL AT 32" TO BREEN AND CIVIL CODE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR 39.5" ABOVE FINISH FLOOR. SEE FLOOR PLAN GENERAL IXTURES SHALL BE NOTE #28 ON SHEET G0.2 FOR FURTHER INFORMATION. SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR SERVING PLUMBING PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW WHERE THE WATER CLOSET IS NOT PLACED ADJACENT CAL / PLUMBING PLANS FOR TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK IS TO A SIDE WALL CAPABLE OF ACCOMMODATING A REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. GRAB BAR, THE BATHROOM SHALL HAVE PROVISIONS FOR INSTALLATION OF FLOOR-MOUNTED, FOLDAWAY IRED AT EACH SIDE OF OR SIMILAR ALTERNATE GRAB BAR REINFORCEMENTS TO BE NOT LESS THAN THE CAPACITY OF THE PV SYSTEMS PER THE INITIAL CF1R-PRF: 2.49 kWdc APPROVED BY THE ENFORCING AGENCY. MIN 36 INCH DEPTH TO BE UPDATED WITH SITE SPECIFIC NUMBERS. ION OF TRAVEL. EXTERIOR FP19 DOOR TO HAVE A NET CLEAR IITTED TO HAVE A SLOPE OPENING OF 32" **VENTING CALCULATIONS** DOT, (CRC 3111.3) LANDINGS FP20 DESIGNATED 2'- 6" x 2'- 6" x 7' TALL MINIMUM AREA FOR GRESS DOOR SHALL NOT INSTALLATION OF AN ELECTRIC HYBRID HEAT PUMP THAN THE TOP OF THE WATER HEATER PER CEC 2022 SECTION 150.0(N) RD SWINGING DOORS OR NOT SWING OUTWARD. ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER ENCLOSED RAFTER AREA. I FNGTH REQUIRED EGRESS DOOR

LANDINGS OR FLOORS NOT THE TOP OF THE

FP22 WATER HEATER TO BE STRAPPED TO WALL PER CRC 507.2 REQUIREMENTS

ENCLOSED RAFTER AREA: <u>625</u>SF. VENTILATION AREA REQUIRED: <u>625</u>SF./150SF.=<u>4.17</u>SF. CONVERT TO SQ. IN: <u>4.17</u> SF. x 144 = <u>600</u> SQ. IN. MINIMUM VENTILATION AREA REQUIRED: 600 SQ. IN.



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project

County of Riverside Pre-Approved ADU Program

revisions <u>\_\_\_\_</u>01

description Floor Plan 1 Bedroom Traditional

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
| sheet no.   |                    |

| SECTION CUT                                          | [X]                 | - KEYNOTE       |
|------------------------------------------------------|---------------------|-----------------|
| ELEVATION<br>CALLOUT                                 | X                   | DOOR SYMBOL     |
| DETAIL<br>DRAWING REF.                               | $\langle x \rangle$ | WINDOW SYMBOL   |
| WALL BELOW OR<br>ROOF ABOVE                          | X'-X"               | CEILING HEIGHTS |
| SOLAR ZONE. REFER<br>TO SOLAR NOTES ON<br>SHEET G0.2 | VARIES              | VAULTED CEILING |
|                                                      | X:12                | ROOF SLOPE      |
| ROOFING                                              | •                   |                 |
|                                                      |                     |                 |

### **ROOF KEYNOTES**

RP1 LINE OF ROOF OVERHANG RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2 **RP3** SUPPORT POST BELOW RP4 LINE OF WALLS BELOW RP5 ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER IN HIGH FIRE SEVERITY ZONES. RP6 EXAMPLE DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET. O'HAGIN VENTS OR EQUIVALENT TO BE USED AT SOLAR PANEL LOCATIONS. **RP7** RAFTER VENTS TO MEET REQUIRED VENTILATION AREA FOR ENCLOSED RAFTER SPACES. MAX  $\frac{1}{8}$ " IN HIGH FIRE ZONE, MIN  $\frac{1}{16}$ " OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL. 1 SF OF VENTING PER 150 SF OF ENCLOSED RAFTER AREA IN NON-FIRE RATED CONSTRUCTION PLEASE SEE VENTING CALCULATIONS OF THIS SHEET **RP8** ROOF VENTILATION TO BE PROVIDED AND LOCATED TO CREATE PROPER CROSS VENTILATION

### ELOOD DI ANI VEVNOTES

| FLC    | OOR PLAN KEYNOTES                                                                                                                                                                                                                                                                                                                                                            |                 |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| FP1    | STUD WALL SIZED PER STRUCTURAL                                                                                                                                                                                                                                                                                                                                               | FP <sup>-</sup> |
| FP2    | 2X6 STUD WALL OR FURRING AS NEEDED FOR<br>MECHANICAL / PLUMBING / VENTING                                                                                                                                                                                                                                                                                                    |                 |
| FP3    | LINE OF OVERHANG ABOVE                                                                                                                                                                                                                                                                                                                                                       |                 |
| FP4    | 36" HIGH COUNTER                                                                                                                                                                                                                                                                                                                                                             |                 |
| FP5    | WATER HEATER                                                                                                                                                                                                                                                                                                                                                                 |                 |
| FP6    | SLOPE SURFACE AWAY FROM BUILDING                                                                                                                                                                                                                                                                                                                                             |                 |
| FP7    | DRYER VENT TERMINATION ON EXTERIOR WALL TO<br>BE A MINIMUM OF 3 FT FROM ANY OPENING. VENT<br>DRYER THROUGH WALL. SEE MECHANICAL /<br>PLUMBING PLANS FOR FURTHER INFORMATION<br>CLOSET SHELF AND POLE                                                                                                                                                                         | FP <sup>.</sup> |
| FP9    | EMERGENCY EGRESS WINDOW                                                                                                                                                                                                                                                                                                                                                      |                 |
| FP10   | WINDOW MUST HAVE A FRAME AND SASH<br>COMPRISED OF WELDED CORNERS, METAL<br>REINFORCEMENT IN THE INTERLOCK AREA, AND<br>CONSTRUCTED OF MULTIPANE TEMPERED GLAZING<br>WHERE INDICATED TYPICAL ALL WINDOWS                                                                                                                                                                      | FP <sup>.</sup> |
| FP11   | NOTE USED                                                                                                                                                                                                                                                                                                                                                                    |                 |
| [FP12] | MIN. 1 HINGED ENTRY DOOR FOR EGRESS<br>COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL<br>BE SIDE-HNGED AND SHALL PROVIDE A CLEAR WIDTH<br>OF NOT LESS THAN 32 INCHES WHERE MEASURED<br>BETWEEN THE FACE OF THE DOOR AND THE STOP,<br>WITH THE DOOR OPEN 90°. THE CLEAR HEIGHT OF THE<br>DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES<br>IN HEIGHT MEASURED FROM THE TOP OF THE |                 |

THRESHOLD TO THE BOTTOM OF THE STOP

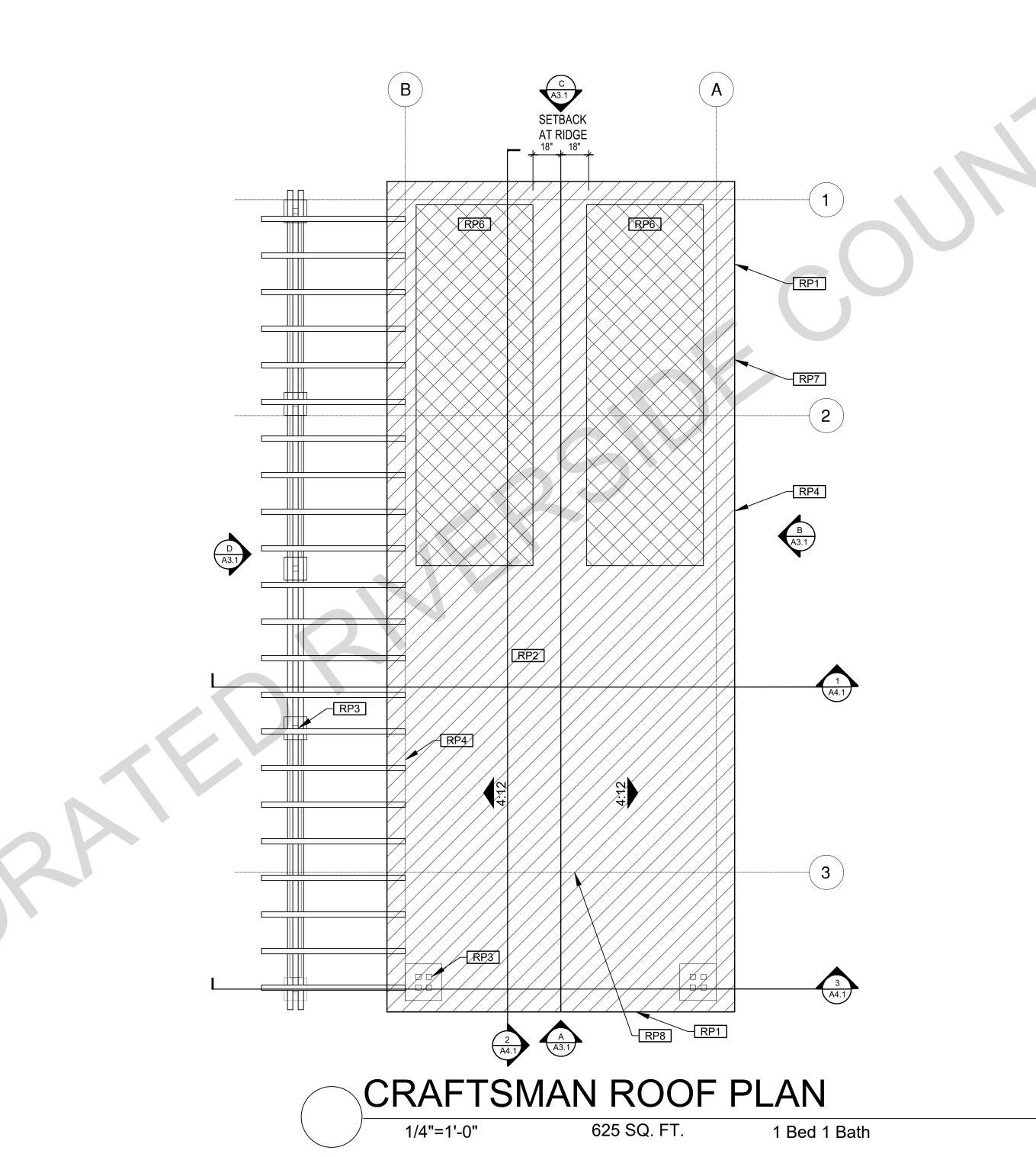
SHOWER ENCLOSURE MUST BE T GLAZING IN THE WALLS/DOORS F/ CONTAINING BATHTUBS, SHOWE SPAS, WHIRLPOOLS, SAUNAS, ST INDOOR/OUTDOOR SWIMMING PC BOTTOM EXPOSED EDGE OF THE THAN 60" ABOVE THE STANDING EXCEPTION: GLAZING THAT IS MC MEASURED HORIZONTALLY, FROM EDGE OF A BATHTUB, HOT TUB, S OR SWIMMING POOL. SHOWER D AS TO MAINTAIN NOT LESS THAN UNOBSTRUCTED OPENING FOR E

P14 PER SECTION 301.1.1 CALGREEN A 1101.3(c), ALL PLUMBING FIXTURES COMPLIANT WATER -CONSERVING FIXTURES. SEE MECHANICAL / PL FURTHER INFORMATION

LANDING OR FLOOR REQUIRED A EXTERIOR DOOR. WIDTH TO BE N DOOR SERVED AND HAVE A MIN MEASURED IN THE DIRECTION OF LANDINGS SHALL BE PERMITTED NOT TO EXCEED  $\frac{1}{4}$ " PER FOOT, (CF OR FINISHED FLOORS AT EGRESS BE MORE THAN 1.5" LOWER THAN THRESHOLD FOR OUTWARD SWIN 7.75" FOR DOORS THAT DO NOT S (CRC 3111.3.1) DOORS OTHER THAN THE REQUIRED EGRESS DOOR SHALL BE PROVIDED WITH LANDINGS OR FLOORS NOT FP22 WATER HEATER TO BE STRAPPED TO WALL PER CRC 507.2 MORE THAN 7.75" BELOW THE TOP OF THE

THRESHOLD (CRC 3111.3.2)

REQUIREMENTS



|                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SOLAR READY NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LEGEND |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| E TEMPERED.<br>S FACING OR<br>WERS, HOT TUBS,<br>STEAM ROOMS AND<br>POOLS WHERE THE<br>'HE GLAZING IS LESS<br>IG SURFACE.<br>MORE THAN 60",<br>ROM THE WATER'S<br>3, SPA, WHIRLPOOL<br>ROORS SHALL OPEN | FP16WALL COVERING SHALL BE CEMENT PLASTER, TILE OR<br>APPROVED EQUAL TO 72" ABOVE DRAIN AT SHOWERS OR<br>TUB WITH SHOWERS. MATERIALS USED AS BACKERS FOR<br>WALL TILE IN TUBE AND REINFORCED GYPSUM PANELS,<br>NON-ASBESTOS FIBER CEMENT BACKER BOARD, OR<br>NON-ASBESTOS FIBER CEMENT REINFORCED<br>CEMENTITIOUS BACKER UNITS INSTALLED IN ACCORDANCE<br>WITH MANUFACTURERS' RECOMMENDATIONS.FP17DOOR BELL BUTTON TO BE NO MORE THEN<br>48" ABOVE EXTERIOR FLOOR OR LANDING                                         | SOLAR READY ROOF AREA:<br>MIN DIMENSION > 5FT. MIN. SF. > 80SF.<br>PER CALIFORNIA ENERGY CODE SECTION 110.10(b)<br>THE SOLAR ZONE SHALL COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION,<br>AND S[PACING REQUIREMENTS AS SPECIFIED IN TILE 24, PART 9 OR OTHER<br>PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED NY LOCAL JURISDICTION<br>SINGLE FAMILY RESIDENCE. THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF<br>OR OVERHANG OF THE BUILDING AND HAVE A TOTAL AREA OF NO LESS THAN |        |
| AN A 22-INCH<br>R EGRESS.<br>EN AND CIVIL CODE<br>IRES SHALL BE<br>/ING PLUMBING<br>PLUMBING PLANS FOR<br>D AT EACH SIDE OF<br>E NOT LESS THAN THE                                                      | 48" ABOVE EXTERIOR FLOOR OR LANDING<br>FP18 WATER CLOSET AND SHOWER TO HAVE<br>REINFORCEMENT IN WALLS 2X8 NOMINAL AT 32" TO<br>39.5" ABOVE FINISH FLOOR. SEE FLOOR PLAN GENERAL<br>NOTE #28 ON SHEET G0.2 FOR FURTHER INFORMATION.<br>WHERE THE WATER CLOSET IS NOT PLACED ADJACENT<br>TO A SIDE WALL CAPABLE OF ACCOMMODATING A<br>GRAB BAR, THE BATHROOM SHALL HAVE PROVISIONS<br>FOR INSTALLATION OF FLOOR-MOUNTED, FOLDAWAY<br>OR SIMILAR ALTERNATE GRAB BAR REINFORCEMENTS<br>APPROVED BY THE ENFORCING AGENCY. | 250SQFT.<br>FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE<br>PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR<br>SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR<br>PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW<br>TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK IS<br>REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE.<br>CAPACITY OF THE PV SYSTEMS PER THE INITIAL CF1R-PRF: 2.49 kWdc  |        |
| N 36 INCH DEPTH<br>OF TRAVEL. EXTERIOR<br>ED TO HAVE A SLOPE<br>(CRC 3111.3) LANDINGS<br>ESS DOOR SHALL NOT<br>AN THE TOP OF THE<br>WINGING DOORS OR                                                    | FP19       DOOR TO HAVE A NET CLEAR<br>OPENING OF 32"         FP20       DESIGNATED 2'- 6" x 2'- 6" x 7' TALL MINIMUM AREA FOR<br>INSTALLATION OF AN ELECTRIC HYBRID HEAT PUMP<br>WATER HEATER PER CEC 2022 SECTION 150.0(N)                                                                                                                                                                                                                                                                                         | TO BE UPDATED WITH SITE SPECIFIC NUMBERS.                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |
|                                                                                                                                                                                                         | FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR<br>ENCLOSED RAFTER AREA.                                                                                                                                                                                                                                                                                                                                                                                          |        |

ENCLOSED RAFTER AREA: <u>625</u>SF. VENTILATION AREA REQUIRED: <u>625</u>SF./150SF.= <u>4.17</u>SF. CONVERT TO SQ. IN:  $\underline{4.17}$  SF. x 144 =  $\underline{600}$  SQ. IN. MINIMUM VENTILATION AREA REQUIRED:  $\underline{600}$  SQ. IN.

| SECTION CUT                                          | X                   | - KEYNOTE       |
|------------------------------------------------------|---------------------|-----------------|
| ELEVATION<br>CALLOUT                                 | X                   | DOOR SYMBOL     |
| DETAIL<br>DRAWING REF.                               | $\langle x \rangle$ | WINDOW SYMBOL   |
| WALL BELOW OR<br>ROOF ABOVE                          | X'-X"               | CEILING HEIGHTS |
| SOLAR ZONE. REFER<br>TO SOLAR NOTES ON<br>SHEET G0.2 | VARIES              | VAULTED CEILING |
|                                                      | X:12                | ROOF SLOPE      |
| ROOFING                                              | •                   |                 |
|                                                      |                     |                 |

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DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE COUNTY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ANY

BY USING THESE PERMIT READY CONSTRUCTION

OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

USE OF THESE CONSTRUCTION DOCUMENTS FOR

project

County of Riverside Pre-Approved ADU Program

revisions 

description

# Roof Plan 1 Bedroom Craftsman

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
|             |                    |



### **ROOF KEYNOTES**

RP1 LINE OF ROOF OVERHANG RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2 **RP3** SUPPORT POST BELOW RP4 LINE OF WALLS BELOW RP5 ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER IN HIGH FIRE SEVERITY ZONES. RP6 EXAMPLE DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET. O'HAGIN VENTS OR EQUIVALENT TO BE USED AT SOLAR PANEL LOCATIONS. **RP7** RAFTER VENTS TO MEET REQUIRED VENTILATION AREA FOR ENCLOSED RAFTER SPACES. MAX  $\frac{1}{8}$ " IN HIGH FIRE ZONE, MIN  $\frac{1}{16}$ " OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL. 1 SF OF VENTING PER 150 SF OF ENCLOSED RAFTER AREA IN NON-FIRE RATED CONSTRUCTION PLEASE SEE VENTING CALCULATIONS OF THIS SHEET RP8 ROOF VENTILATION TO BE PROVIDED AND LOCATED TO CREATE PROPER CROSS VENTILATION

### ELOOD DI ANI VEVNOTES

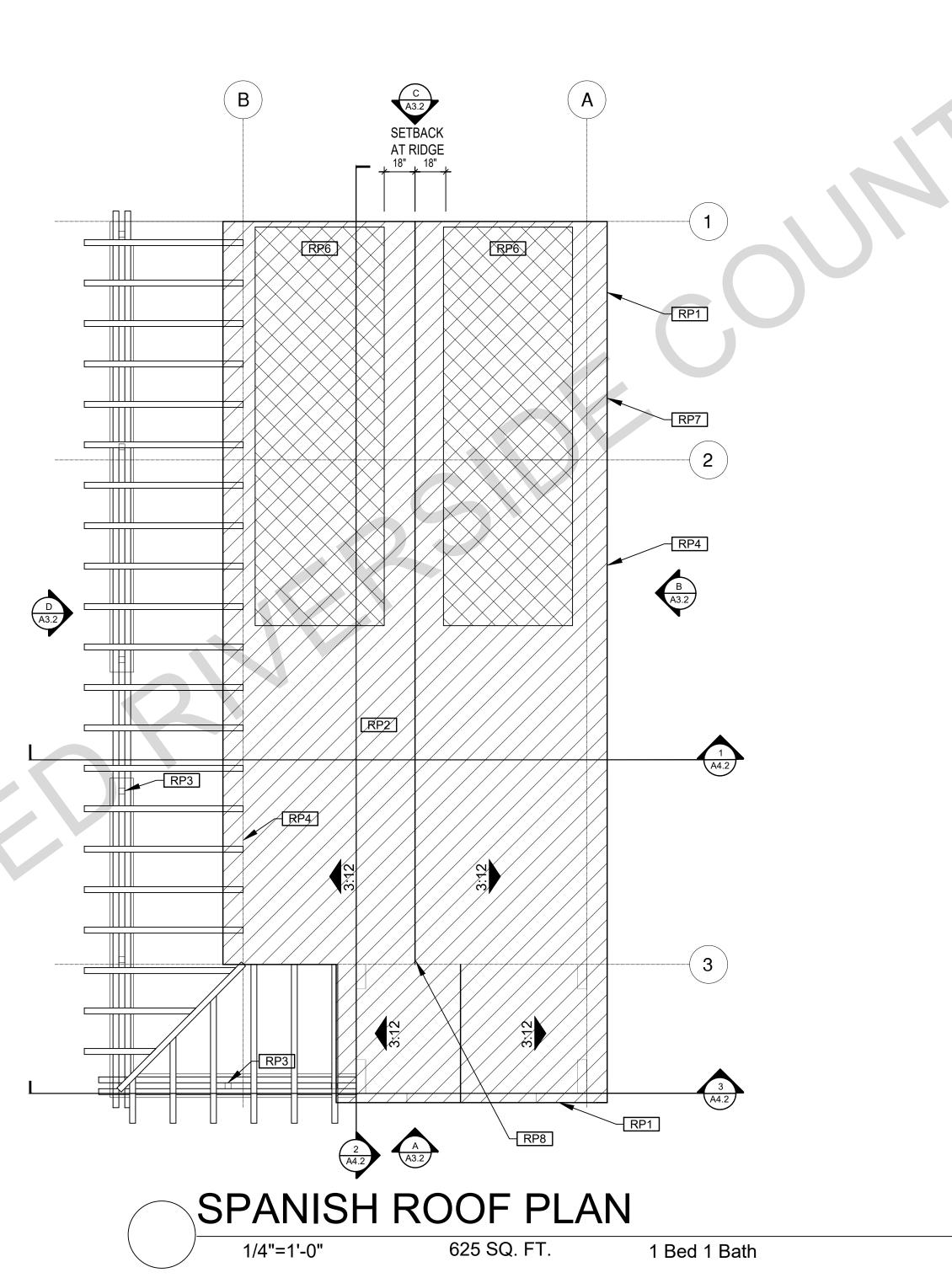
| FLC    | OOR PLAN KEYNOTES                                                                                                                                                                                                                                                                                                                                                            |                  |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| FP1    | STUD WALL SIZED PER STRUCTURAL                                                                                                                                                                                                                                                                                                                                               | FP <sup>-</sup>  |
| FP2    | 2X6 STUD WALL OR FURRING AS NEEDED FOR<br>MECHANICAL / PLUMBING / VENTING                                                                                                                                                                                                                                                                                                    |                  |
| FP3    | LINE OF OVERHANG ABOVE                                                                                                                                                                                                                                                                                                                                                       |                  |
| FP4    | 36" HIGH COUNTER                                                                                                                                                                                                                                                                                                                                                             |                  |
| FP5    | WATER HEATER                                                                                                                                                                                                                                                                                                                                                                 |                  |
| FP6    | SLOPE SURFACE AWAY FROM BUILDING                                                                                                                                                                                                                                                                                                                                             |                  |
| FP7    | DRYER VENT TERMINATION ON EXTERIOR WALL TO<br>BE A MINIMUM OF 3 FT FROM ANY OPENING. VENT<br>DRYER THROUGH WALL. SEE MECHANICAL /<br>PLUMBING PLANS FOR FURTHER INFORMATION<br>CLOSET SHELF AND POLE                                                                                                                                                                         | [FP <sup>-</sup> |
| FP9    | EMERGENCY EGRESS WINDOW                                                                                                                                                                                                                                                                                                                                                      |                  |
| FP10   | WINDOW MUST HAVE A FRAME AND SASH<br>COMPRISED OF WELDED CORNERS, METAL<br>REINFORCEMENT IN THE INTERLOCK AREA, AND<br>CONSTRUCTED OF MULTIPANE TEMPERED GLAZING<br>WHERE INDICATED TYPICAL ALL WINDOWS                                                                                                                                                                      | FP <sup>.</sup>  |
| FP11   | NOTE USED                                                                                                                                                                                                                                                                                                                                                                    |                  |
| [FP12] | MIN. 1 HINGED ENTRY DOOR FOR EGRESS<br>COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL<br>BE SIDE-HNGED AND SHALL PROVIDE A CLEAR WIDTH<br>OF NOT LESS THAN 32 INCHES WHERE MEASURED<br>BETWEEN THE FACE OF THE DOOR AND THE STOP,<br>WITH THE DOOR OPEN 90°. THE CLEAR HEIGHT OF THE<br>DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES<br>IN HEIGHT MEASURED FROM THE TOP OF THE |                  |

THRESHOLD TO THE BOTTOM OF THE STOP

SHOWER ENCLOSURE MUST BE TE GLAZING IN THE WALLS/DOORS FA CONTAINING BATHTUBS, SHOWER SPAS, WHIRLPOOLS, SAUNAS, STE INDOOR/OUTDOOR SWIMMING POO BOTTOM EXPOSED EDGE OF THE THAN 60" ABOVE THE STANDING S EXCEPTION: GLAZING THAT IS MOR MEASURED HORIZONTALLY, FROM EDGE OF A BATHTUB, HOT TUB, SP OR SWIMMING POOL. SHOWER DO AS TO MAINTAIN NOT LESS THAN A UNOBSTRUCTED OPENING FOR EG

P14 PER SECTION 301.1.1 CALGREEN AN 1101.3(c), ALL PLUMBING FIXTURES COMPLIANT WATER -CONSERVING FIXTURES. SEE MECHANICAL / PLU FURTHER INFORMATION

LANDING OR FLOOR REQUIRED AT EXTERIOR DOOR. WIDTH TO BE NO DOOR SERVED AND HAVE A MIN 36 MEASURED IN THE DIRECTION OF LANDINGS SHALL BE PERMITTED 1 NOT TO EXCEED  $\frac{1}{4}$ " PER FOOT, (CRC OR FINISHED FLOORS AT EGRESS BE MORE THAN 1.5" LOWER THAN THRESHOLD FOR OUTWARD SWING 7.75" FOR DOORS THAT DO NOT SW (CRC 3111.3.1) DOORS OTHER THAN THE REQUIRED EGRESS DOOR



|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                 | SOLAR READY NOTES                                                                                                                                                                                                                                                                                                                                                                                     | LEGEND |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| E TEMPERED.<br>5 FACING OR<br>/ERS, HOT TUBS,<br>STEAM ROOMS AND<br>POOLS WHERE THE<br>HE GLAZING IS LESS<br>G SURFACE.<br>MORE THAN 60", | FP16 WALL COVERING SHALL BE CEMENT PLASTER, TILE OR<br>APPROVED EQUAL TO 72" ABOVE DRAIN AT SHOWERS OR<br>TUB WITH SHOWERS. MATERIALS USED AS BACKERS FOR<br>WALL TILE IN TUBE AND REINFORCED GYPSUM PANELS,<br>NON-ASBESTOS FIBER CEMENT BACKER BOARD, OR<br>NON-ASBESTOS FIBER CEMENT REINFORCED<br>CEMENTITIOUS BACKER UNITS INSTALLED IN ACCORDANCE<br>WITH MANUFACTURERS' RECOMMENDATIONS. | SOLAR READY ROOF AREA:<br>MIN DIMENSION > 5FT. MIN. SF. > 80SF.<br>PER CALIFORNIA ENERGY CODE SECTION 110.10(b)<br>THE SOLAR ZONE SHALL COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION,<br>AND S[PACING REQUIREMENTS AS SPECIFIED IN TILE 24, PART 9 OR OTHER<br>PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED NY LOCAL JURISDICTION                                                               |        |
| OM THE WATER'S<br>, SPA, WHIRLPOOL<br>DOORS SHALL OPEN<br>N A 22-INCH<br>EGRESS.                                                          | FP17 DOOR BELL BUTTON TO BE NO MORE THEN<br>48" ABOVE EXTERIOR FLOOR OR LANDING<br>FP18 WATER CLOSET AND SHOWER TO HAVE                                                                                                                                                                                                                                                                         | SINGLE FAMILY RESIDENCE. THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF<br>OR OVERHANG OF THE BUILDING AND HAVE A TOTAL AREA OF NO LESS THAN<br>250SQFT.                                                                                                                                                                                                                                                 |        |
| N AND CIVIL CODE<br>RES SHALL BE<br>NG PLUMBING<br>PLUMBING PLANS FOR                                                                     | REINFORCEMENT IN WALLS 2X8 NOMINAL AT 32" TO<br>39.5" ABOVE FINISH FLOOR. SEE FLOOR PLAN GENERAL<br>NOTE #28 ON SHEET G0.2 FOR FURTHER INFORMATION.<br>WHERE THE WATER CLOSET IS NOT PLACED ADJACENT<br>TO A SIDE WALL CAPABLE OF ACCOMMODATING A<br>GRAB BAR, THE BATHROOM SHALL HAVE PROVISIONS                                                                                               | FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE<br>PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR<br>SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR<br>PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW<br>TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK IS<br>REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. |        |
| AT EACH SIDE OF<br>NOT LESS THAN THE<br>3 36 INCH DEPTH<br>DF TRAVEL. EXTERIOR<br>D TO HAVE A SLOPE                                       | FOR INSTALLATION OF FLOOR-MOUNTED, FOLDAWAY<br>OR SIMILAR ALTERNATE GRAB BAR REINFORCEMENTS<br>APPROVED BY THE ENFORCING AGENCY.<br>FP19 DOOR TO HAVE A NET CLEAR                                                                                                                                                                                                                               | CAPACITY OF THE PV SYSTEMS PER THE INITIAL CF1R-PRF: 2.49 kWdc<br>TO BE UPDATED WITH SITE SPECIFIC NUMBERS.                                                                                                                                                                                                                                                                                           |        |
| CRC 3111.3) LANDINGS<br>SS DOOR SHALL NOT<br>AN THE TOP OF THE                                                                            | OPENING OF 32"<br>FP20 DESIGNATED 2'- 6" x 2'- 6" x 7' TALL MINIMUM AREA FOR<br>INSTALLATION OF AN ELECTRIC HYBRID HEAT PUMP                                                                                                                                                                                                                                                                    | VENTING CALCULATIONS                                                                                                                                                                                                                                                                                                                                                                                  |        |
| VINGING DOORS OR<br>SWING OUTWARD.                                                                                                        | WATER HEATER PER CEC 2022 SECTION 150.0(N)<br>FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER<br>LENGTH                                                                                                                                                                                                                                                                                      | ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR ENCLOSED RAFTER AREA.                                                                                                                                                                                                                                                                                                              |        |

MORE THAN 7.75" BELOW THE TOP OF THE THRESHOLD (CRC 3111.3.2)

- LENGTH
- SHALL BE PROVIDED WITH LANDINGS OR FLOORS NOT FP22 WATER HEATER TO BE STRAPPED TO WALL PER CRC 507.2 REQUIREMENTS

ENCLOSED RAFTER AREA.

ENCLOSED FAILTER AREA: <u>625</u> SF. VENTILATION AREA REQUIRED: <u>625</u> SF./150SF.=<u>4.17</u> SF. CONVERT TO SQ. IN: <u>4.17</u> SF. x 144 = <u>600</u> SQ. IN. MINIMUM VENTILATION AREA REQUIRED: <u>600</u> SQ. IN.

| SECTION CUT                                          | [X]                 | - KEYNOTE       |
|------------------------------------------------------|---------------------|-----------------|
| ELEVATION<br>CALLOUT                                 | X                   | DOOR SYMBOL     |
| DETAIL<br>DRAWING REF.                               | $\langle x \rangle$ | WINDOW SYMBOL   |
| WALL BELOW OR<br>ROOF ABOVE                          | X'-X"               | CEILING HEIGHTS |
| SOLAR ZONE. REFER<br>TO SOLAR NOTES ON<br>SHEET G0.2 | VARIES              | VAULTED CEILING |
|                                                      | X:12                | ROOF SLOPE      |
| ROOFING                                              |                     |                 |

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BY USING THESE PERMIT READY CONSTRUCTION

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AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE

project

County of Riverside Pre-Approved ADU Program

revisions 

description

Roof Plan 1 Bedroom Spanish

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | design path studio |
|             |                    |



### **ROOF KEYNOTES**

RP1 LINE OF ROOF OVERHANG RP2 CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2 **RP3** SUPPORT POST BELOW RP4 LINE OF WALLS BELOW RP5 ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS. ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER IN HIGH FIRE SEVERITY ZONES. RP6 EXAMPLE DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET. O'HAGIN VENTS OR EQUIVALENT TO BE USED AT SOLAR PANEL LOCATIONS. RP7 RAFTER VENTS TO MEET REQUIRED VENTILATION AREA FOR ENCLOSED RAFTER SPACES. MAX ¼", <sup>1</sup>/<sub>8</sub>" IN HIGH FIRE ZONE, MIN  $\frac{1}{16}$ " OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL. 1 SF OF VENTING PER 150 SF OF ENCLOSED RAFTER AREA IN NON-FIRE RATED CONSTRUCTION PLEASE SEE VENTING CALCULATIONS OF THIS SHEET RP8 ROOF VENTILATION TO BE PROVIDED AND LOCATED TO CREATE PROPER CROSS VENTILATION

### ELOOD DI ANI VEVNOTES

| FLC  | OR PLAN KEYNOTES                                                                                                                                                                                                                                                                                                                   |                  |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| FP1  | STUD WALL SIZED PER STRUCTURAL                                                                                                                                                                                                                                                                                                     | FP <sup>-</sup>  |
| FP2  | 2X6 STUD WALL OR FURRING AS NEEDED FOR<br>MECHANICAL / PLUMBING / VENTING                                                                                                                                                                                                                                                          |                  |
| FP3  | LINE OF OVERHANG ABOVE                                                                                                                                                                                                                                                                                                             |                  |
| FP4  | 36" HIGH COUNTER                                                                                                                                                                                                                                                                                                                   |                  |
| FP5  | WATER HEATER                                                                                                                                                                                                                                                                                                                       |                  |
| FP6  | SLOPE SURFACE AWAY FROM BUILDING                                                                                                                                                                                                                                                                                                   |                  |
| FP7  | DRYER VENT TERMINATION ON EXTERIOR WALL TO<br>BE A MINIMUM OF 3 FT FROM ANY OPENING. VENT<br>DRYER THROUGH WALL. SEE MECHANICAL /<br>PLUMBING PLANS FOR FURTHER INFORMATION                                                                                                                                                        | FP <sup>.</sup>  |
| FP8  | CLOSET SHELF AND POLE                                                                                                                                                                                                                                                                                                              |                  |
| FP9  | EMERGENCY EGRESS WINDOW                                                                                                                                                                                                                                                                                                            |                  |
| FP10 | WINDOW MUST HAVE A FRAME AND SASH<br>COMPRISED OF WELDED CORNERS, METAL<br>REINFORCEMENT IN THE INTERLOCK AREA, AND<br>CONSTRUCTED OF MULTIPANE TEMPERED GLAZING<br>WHERE INDICATED TYPICAL ALL WINDOWS                                                                                                                            | [FP <sup>·</sup> |
| FP11 | NOTE USED                                                                                                                                                                                                                                                                                                                          |                  |
| FP12 | MIN. 1 HINGED ENTRY DOOR FOR EGRESS<br>COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL<br>BE SIDE-HNGED AND SHALL PROVIDE A CLEAR WIDTH<br>OF NOT LESS THAN 32 INCHES WHERE MEASURED<br>BETWEEN THE FACE OF THE DOOR AND THE STOP,<br>WITH THE DOOR OPEN 90°. THE CLEAR HEIGHT OF THE<br>DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES |                  |

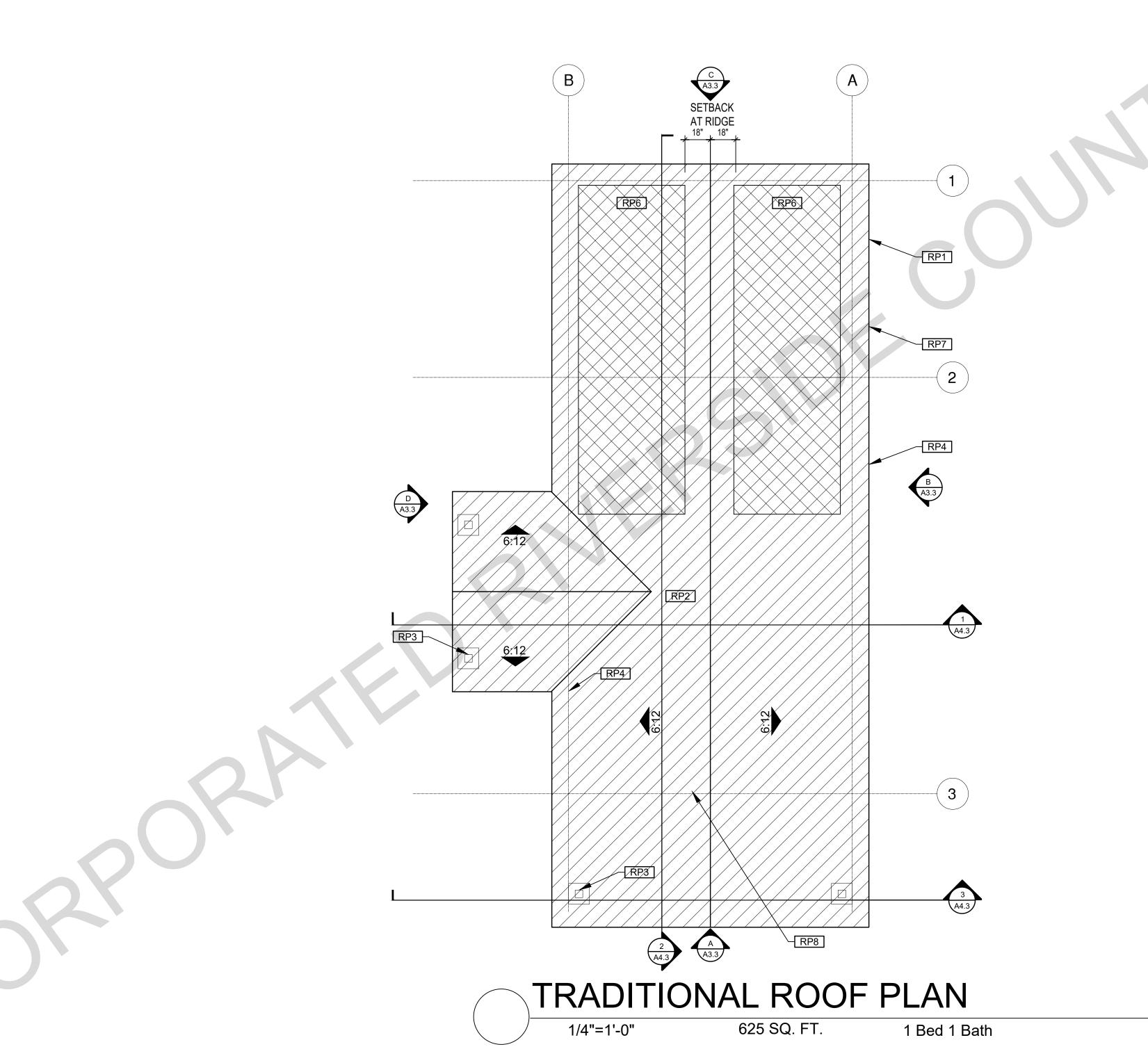
IN HEIGHT MEASURED FROM THE TOP OF THE THRESHOLD TO THE BOTTOM OF THE STOP

SHOWER ENCLOSURE MUST BE T GLAZING IN THE WALLS/DOORS F/ CONTAINING BATHTUBS, SHOWE SPAS, WHIRLPOOLS, SAUNAS, ST INDOOR/OUTDOOR SWIMMING PC BOTTOM EXPOSED EDGE OF THE THAN 60" ABOVE THE STANDING EXCEPTION: GLAZING THAT IS MO MEASURED HORIZONTALLY, FROM EDGE OF A BATHTUB, HOT TUB, S OR SWIMMING POOL. SHOWER D AS TO MAINTAIN NOT LESS THAN UNOBSTRUCTED OPENING FOR E

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LANDING OR FLOOR REQUIRED A EXTERIOR DOOR. WIDTH TO BE N DOOR SERVED AND HAVE A MIN MEASURED IN THE DIRECTION OF LANDINGS SHALL BE PERMITTED NOT TO EXCEED <sup>1</sup>/<sub>4</sub>" PER FOOT, (CF OR FINISHED FLOORS AT EGRESS BE MORE THAN 1.5" LOWER THAN THRESHOLD FOR OUTWARD SWIN 7.75" FOR DOORS THAT DO NOT S (CRC 3111.3.1) DOORS OTHER THAN THE REQUIR

THRESHOLD (CRC 3111.3.2)

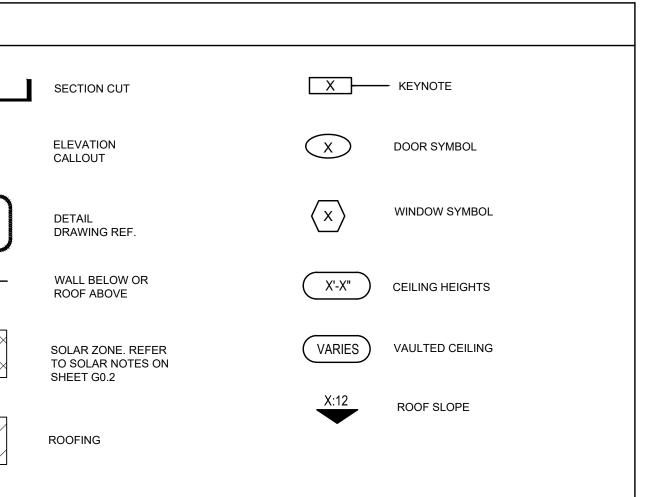


|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                         | SOLAR READY NOTES                                                                                                                                                                                                                                                                                                                                                                                     | LEGEND |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| TEMPERED.<br>FACING OR<br>ERS, HOT TUBS,<br>TEAM ROOMS AND<br>OOLS WHERE THE<br>E GLAZING IS LESS<br>SURFACE.<br>ORE THAN 60". | FP16 WALL COVERING SHALL BE CEMENT PLASTER, TILE OR<br>APPROVED EQUAL TO 72" ABOVE DRAIN AT SHOWERS OR<br>TUB WITH SHOWERS. MATERIALS USED AS BACKERS FOR<br>WALL TILE IN TUBE AND REINFORCED GYPSUM PANELS,<br>NON-ASBESTOS FIBER CEMENT BACKER BOARD, OR<br>NON-ASBESTOS FIBER CEMENT REINFORCED<br>CEMENTITIOUS BACKER UNITS INSTALLED IN ACCORDANCE | SOLAR READY ROOF AREA:<br>MIN DIMENSION > 5FT. MIN. SF. > 80SF.<br>PER CALIFORNIA ENERGY CODE SECTION 110.10(b)<br>THE SOLAR ZONE SHALL COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION,<br>AND S[PACING REQUIREMENTS AS SPECIFIED IN TILE 24, PART 9 OR OTHER                                                                                                                                         |        |
| OM THE WATER'S<br>SPA, WHIRLPOOL<br>OOORS SHALL OPEN<br>NA 22-INCH                                                             | WITH MANUFACTURERS' RECOMMENDATIONS.<br>FP17 DOOR BELL BUTTON TO BE NO MORE THEN<br>48" ABOVE EXTERIOR FLOOR OR LANDING                                                                                                                                                                                                                                 | PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED NY LOCAL JURISDICTION<br>SINGLE FAMILY RESIDENCE. THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF<br>OR OVERHANG OF THE BUILDING AND HAVE A TOTAL AREA OF NO LESS THAN<br>250SQFT.                                                                                                                                                                       |        |
| EGRESS.<br>AND CIVIL CODE<br>ES SHALL BE<br>IG PLUMBING<br>.UMBING PLANS FOR                                                   | FP18 WATER CLOSET AND SHOWER TO HAVE<br>REINFORCEMENT IN WALLS 2X8 NOMINAL AT 32" TO<br>39.5" ABOVE FINISH FLOOR. SEE FLOOR PLAN GENERAL<br>NOTE #28 ON SHEET G0.2 FOR FURTHER INFORMATION.<br>WHERE THE WATER CLOSET IS NOT PLACED ADJACENT<br>TO A SIDE WALL CAPABLE OF ACCOMMODATING A<br>GRAB BAR, THE BATHROOM SHALL HAVE PROVISIONS               | FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE<br>PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR<br>SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR<br>PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW<br>TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK IS<br>REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. |        |
| AT EACH SIDE OF<br>IOT LESS THAN THE<br>36 INCH DEPTH<br>F TRAVEL. EXTERIOR                                                    | FOR INSTALLATION OF FLOOR-MOUNTED, FOLDAWAY<br>OR SIMILAR ALTERNATE GRAB BAR REINFORCEMENTS<br>APPROVED BY THE ENFORCING AGENCY.<br>FP19 DOOR TO HAVE A NET CLEAR                                                                                                                                                                                       | CAPACITY OF THE PV SYSTEMS PER THE INITIAL CF1R-PRF: 2.49 kWdc<br>TO BE UPDATED WITH SITE SPECIFIC NUMBERS.                                                                                                                                                                                                                                                                                           |        |
| TO HAVE A SLOPE<br>RC 3111.3) LANDINGS<br>S DOOR SHALL NOT<br>N THE TOP OF THE<br>NGING DOORS OR                               | <ul> <li>OPENING OF 32"</li> <li>OPENING OF 32"</li> <li>DESIGNATED 2'- 6" x 2'- 6" x 7' TALL MINIMUM AREA FOR<br/>INSTALLATION OF AN ELECTRIC HYBRID HEAT PUMP<br/>WATER HEATER PER CEC 2022 SECTION 150.0(N)</li> </ul>                                                                                                                               | VENTING CALCULATIONS                                                                                                                                                                                                                                                                                                                                                                                  |        |
| RED EGRESS DOOR                                                                                                                | FP21 FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH                                                                                                                                                                                                                                                                                               | ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR<br>ENCLOSED RAFTER AREA.<br>ENCLOSED RAFTER AREA: 625 SE                                                                                                                                                                                                                                                                           |        |

MORE THAN 7.75" BELOW THE TOP OF THE

SHALL BE PROVIDED WITH LANDINGS OR FLOORS NOT FP22 WATER HEATER TO BE STRAPPED TO WALL PER CRC 507.2 REQUIREMENTS

VENTILATION AREA REQUIRED: <u>625</u>SF./150SF.=<u>4.17</u>SF. CONVERT TO SQ. IN: <u>4.17</u> SF. x 144 = <u>600</u> SQ. IN. MINIMUM VENTILATION AREA REQUIRED: <u>600</u> SQ. IN.



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project

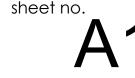
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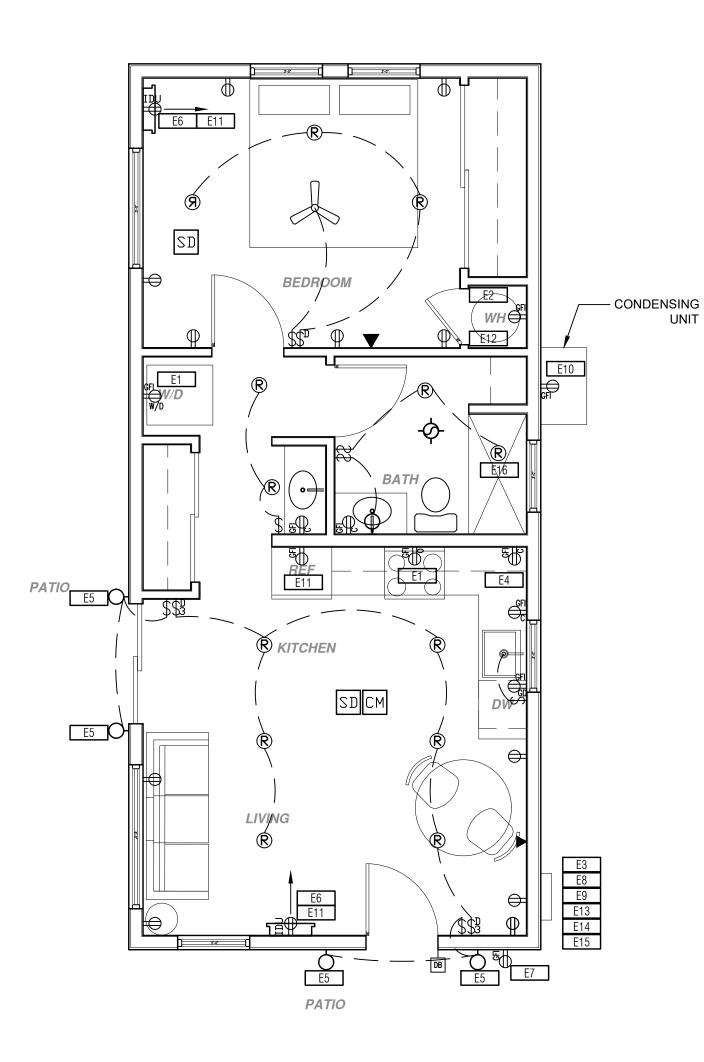
revisions 

description

# Roof Plan 1 Bedroom Traditional

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
|             |                    |

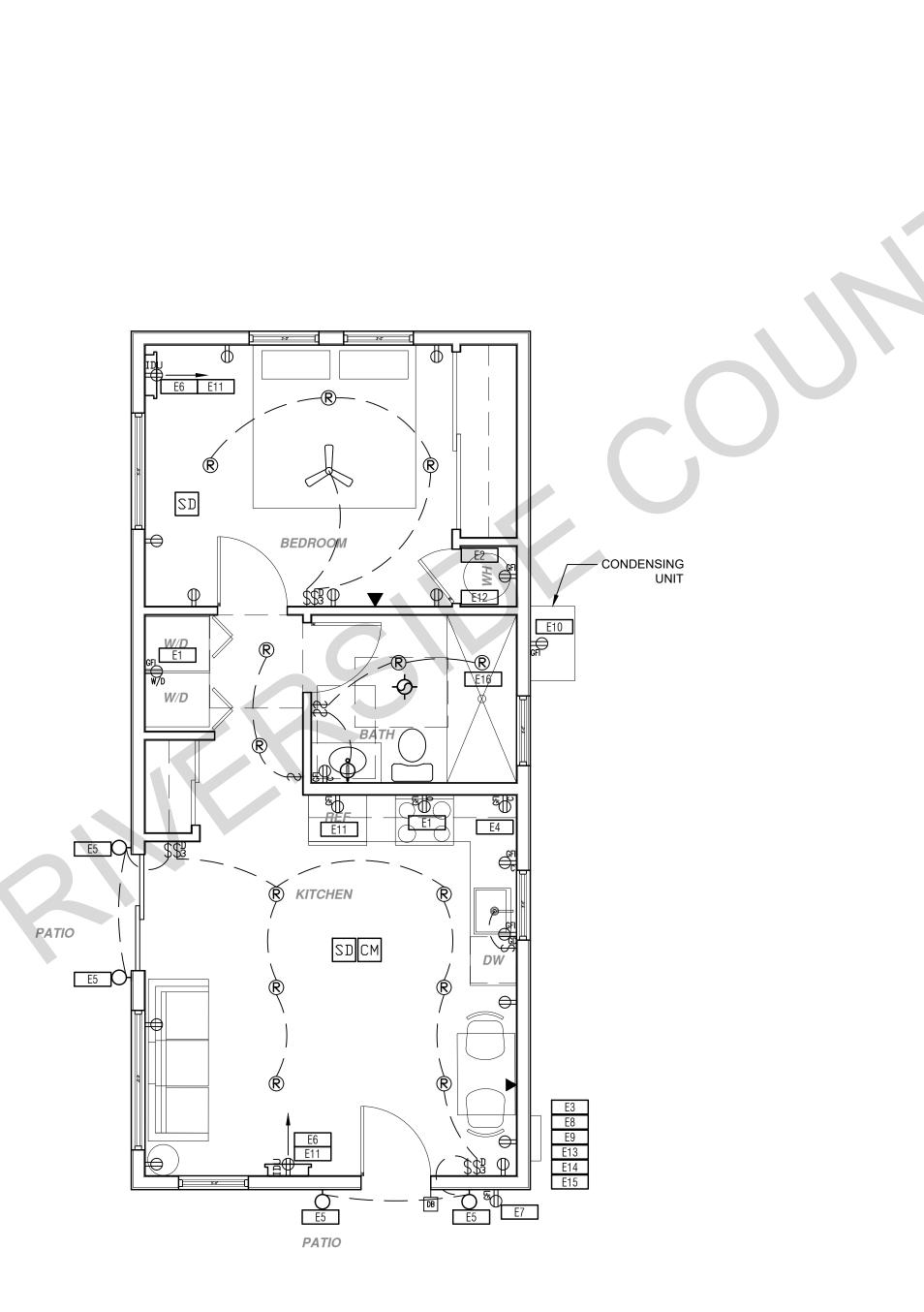






# **MECHANICAL / PLUMBING KEYNOTES**

| <ul> <li>MP1 INDOOR UNIT MINI SPLIT SYSTEM.</li> <li>MP2 WATER CONSERVING FIXTURES: NEW WATER CLOSETS SHALL USE<br/>NO MORE THAN 1.28 GAL. OF WATER PER FLUSH, LAVATORIES<br/>LIMITED TO 1.2 GPM, KITCHEN FAUCETS NOT TO EXCEED 1.8 GPM AT<br/>60 PSI THEY CAN INCREASE THE FLOW MOMENTARILY BUT CANT<br/>EXCEED 2.2GALLONS PER MIN. AT 60 PSI AND MUST DEFAULT TO A<br/>MAX. FLOW RATE OF 1.8GALLONS PER MIN AT 60 PSI., AND SHOWERS<br/>NOT EXCEED 1.8 GPM. AT 80 PSI AND ALL SHALL BE CERTIFIED TO<br/>MEET THE PERFORMANCE CRITERIA OF THE EPA WATERSENCE<br/>SPECIFICATIONS FOR SHOWERHEADS. CPC SECTIONS 407, 408, 411,<br/>412 AND SECTION 301.1.1 CALGREEN CODE AND CIVIL CODE 1101.3(c)</li> <li>MP3 EXHAUST HOOD ABOVE/ TO BE SMOOTH METALLIC INTERIOR<br/>SURFACE (CMC 504.3)</li> <li>MP4 NEW WATER HEATER PER T24 REQUIREMENTS - TO HAVE<br/>CONDENSATE DRAIN INSTALLED NO HIGHER THAN 2' ABOVE THE<br/>BASE OF THE HEATER THAT ALSO ALLOWS GRAVITY DRAINAGE<br/>PLEASE SEE TABLE 501.1(2) ON THIS SHEET FOR FIRST HOUR RATING<br/>IN GALLONS</li> <li>MP5 CONTROL VALVES IN SHOWERS, BATHTUBS, &amp; BIDETS MUST BE<br/>PRESSURE BALANCED OR THERMOSTATIC MIX VALVES</li> <li>MP6 MINIMUM OF 3 FT CLEARANCE TO ANY OPENING INTO BUILDING FOR<br/>EXHAUST FAN TERMINATIONS</li> <li>MP7 CLEARANCE FOR WATER CLOSET TO BE A MIN. OF 24" IN FRONT, AND<br/>15" FROM ITS CENTER TO ANY SIDE WALL OR OBSTRUCTION. (CPC<br/>402.5)</li> <li>MP8 THE 1/2" SIZE HOT WATER PIPE TO THE KITCHEN SINK AND THE COLD<br/>WATER PIPE WITHIN 5" OF WATER HEATER BOTH REQUIRE 1"<br/>INSULATION</li> </ul> | <ul> <li>MP10 NEW WATER HEATER WITH T&amp;P RELIEF VALVE AND DISCHARGE PIPE AT EXTERIOR. PROVIDE COMBUSTION AIR AND CLEARANCES PER MANUFACTURER REQUIREMENTS.</li> <li>MP11 NEW WATER HEATERS SHALL HAVE ISOLATION VALVES ON BOTH THE COLD AND THE HOT WATER PIPING LEAVING THE WATER HEATER COMPLETE WITH HOSE BIBS OR OTHER FITTINGS ON EACH VALVES FOR FLUSHING THE WATER HEATER WHEN THE VALVES ARE CLOSED</li> <li>MP12 ALL DOMESTIC HOT WATER PIPING TO HAVE THE FOLLOWING MINIMUM INSULATION INSTALLED:<br/><sup>1</sup>/<sub>2</sub> PIPE (<sup>1</sup>/<sub>2</sub> INSULATION);<br/><sup>1</sup>/<sub>4</sub> PIPE (1" INSULATION);<br/><sup>1</sup>/<sub>4</sub> PIPE (1" INSULATION);<br/><sup>1</sup>/<sub>7</sub> TO 1-1/2" PIPE (1-1/2" INSULATION)</li> <li>MP13 OUTDOOR CONDENSING UNIT TO BE PIPED TO INDOOR HVAC UNIT</li> <li>MP14 A MINIMUM 100 CFM INTERMITTENT RATED HOOD OVER RANGE IS<br/>REQUIRED. IF USED FOR INDOOR AIR QUALITY THE FAN SHALL RUN<br/>CONTINUOUSLY AND BE HERS VERIFIED PER CEC TABLE 150.0-G:<br/>160 CFM OR 65%CE AT &lt;75SF, 130 CFM IR 55% CE AT 750-1000SF,<br/>110CFM OR 50% CE AT 1000-1500SF, OR 110 CFM OR 50% AT 1500SF</li> <li>MP15 WATER HEATERS WITH STORAGE TANKS SHALL BE ANCHORED OR</li> </ul> | <ul> <li>E1 DEDICATED 30 AMP/ 240V POWER FOR ELE OVEN. VERIFY REQUIREMENTS WITH APPLI SPECIFICATIONS - ELECTRIC COOKTOP RE/REQUIREMENTS ARE TO BE IMPLEMENTED, ELECTRIC READY 150.0(u) FOR REQUIREME</li> <li>E2 OUTLET FOR NEW ELECTRIC HYBRID HEAT HEATER WITHIN 3' OF WATER HEATER. SEE #16 ON G0.2 FOR MORE INFORMATION</li> <li>E3 SUBPANEL LOCATION. ALTERNATE LOCATION DETERMINED BY OWNER</li> <li>E4 OUTLET AT COUNTER HEIGHT - SHALL COM ARTICLE 210.52(C): IN KITCHENS A RECEPT, SHALL BE INSTALLED AT EACH COUNTER S WIDER; SHALL BE INSTALLED SO THAT NO F WALL IS MORE THAN 24"; ISLAND IN PENINS COUNTERTOPS 12" X 24" LONG (OR GREATE LEAST ONCE RECEPTACLE</li> <li>E5 OUTDOOR LIGHTING FIXTURES ARE REQUII EFFICACY OR CONTROLLED BY A COMBINA PHOTOCONTROL / MOTION SENSOR.</li> <li>E6 OUTLET DEDICATED FOR INDOOR HVAC UN</li> <li>E7 WEATHER RESISTANT TYPE RECEPTACLES</li> <li>E8 OVER-CURRENT FEEDER TO EXTEND TO EXALLOWABLE VOLTAGE DROP PER CEC 250.</li> <li>E9 SEPARATE GROUND ELECTRODE SYSTEM F</li> </ul> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|





### ELECTRICAL KEYNOTES

UNIT

| ELECTRIC DRYER OR<br>PPLIANCE<br>READY<br>ED, SEE SHEET G0.2,<br>EMENTS | E10 | OUTDOOR CONDENSING UNIT RECEPTACLE OUTLET SHALL BE<br>INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING<br>OF THE HEATING AND COOLING EQUIPMENT AND SHALL BE<br>LOCATED ON THE SAME LEVEL AND WITHIN 25 FEET OF THE<br>EQUIPMENT. THIS RECEPTACLE SHALL BE GFCI-WP<br>PROTECTED.                                              | MEC<br>-∲- |
|-------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| EAT PUMP WATER<br>SEE ELECTRICAL NOTE<br>ATION TO BE                    | E11 | A DISCONNECTING MEANS CAPABLE OF DISCONNECTING<br>AIR-CONDITIONING AND REFRIGERATING EQUIPMENT,<br>INCLUDING MOTOR-COMPRESSORS AND CONTROLLERS FROM<br>THE CIRCUIT CONDUCTOR IS REQUIRED WITHIN SIGHT FROM<br>THE EQUIPMENT LOCATION PER CEC SECTION 440.11                                                                       |            |
| COMPLY WITH CEC<br>EPTACLE OUTLET<br>R SPACE 12" OR                     | E12 | PER CEC 2022 150.0(N).1.A.: THE DESIGNATED SPACE IS WITHIN<br>3 FEET FROM THE WATER HEATER AND IS TO COMPLY WITH<br>ELECTRICAL NOTES 15&16 ON SHEET G0.2                                                                                                                                                                          |            |
| NO POINT ALONG THE<br>NINSULAR<br>EATER) SHALL HAVE AT                  | E13 | MAIN PANELBOARD LOCATION SHALL HAVE A MINIMUM<br>BUSBAR RATING OF 225 AMPS. 60A SUBPANEL FOR BACK UP<br>ESS CIRCUIT                                                                                                                                                                                                               |            |
| QUIRED TO BE HIGH<br>INATION                                            | E14 | ALL SINGLE-FAMILY RESIDENCES THAT INCLUDE ONE OR TWO<br>DWELLING UNITS SHALL MEET THE FOLLOWING ENERGY<br>STORAGE SYSTEMS (ESS) READY REQUIREMENTS. ALL<br>ELECTRICAL COMPONENTS SHALL BE INSTALLED IN<br>ACCORDANCE WITH THE CEC. SEE SHEET G0.2, ELECTRIC<br>READY 150.0(s) FOR REQUIREMENTS                                    |            |
| LES GFCI PROTECTED                                                      | E15 | SUFFICIENT SPACE SHALL BE RESERVED TO ALLOW FUTURE<br>INSTALLATION OF A SYSTEM ISOLATION<br>EQUIPMENT/TRANSFER SWITCH WITHIN 3FT OF THE MAIN<br>PANELBOARD. RACEWAYS SHALL BE INSTALLED BETWEEN<br>THE PANELBOARD & THE SYSTEM ISOLATION<br>EQUIPMENT/TRANSFER SWITCH LOCATION TO ALLOW THE<br>CONNECTION OF BACKUP POWER SOURCE. |            |
| EM PER CEC 250.4                                                        | E16 | LIGHTS OVER TUBS AND SHOWERS ARE TO BE MARKED FOR<br>DAMP/WET LOCATIONS WHERE SUBJECT TO SHOWER SPRAY                                                                                                                                                                                                                             | T          |

### MECHANICAL LEGEND

#### MECHANICAL BATHROOM EXHAUST FAN: MINIMUM 50 CFM TO BE DUCTED TO THE EXTERIOR AND SHALL PROVIDE FIVE AIR CHANGES PER HOUR. CFM AND NOISE RATING MAXIMUM 3 SONE FOR INTERMITTENT USE. SHALL BE ENERGY STAR RATED AND CONTROLLED BY A HUMIDISTAT CAPABLE OF AN ADJUSTMENT BETWEEN 50-80% HUMIDITY. IQA FAN IS REQUIRED. ONE OR MORE FANS (EITHER KITCHEN OR BATHROOM) TO OPERATE CONTINUOUSLY AT REQUIRED CFM PER HERS NOTES ON T1.1(OR GREATER) TO PROVIDE INDOOR AIR QUALITY. AT THE IAQ FAN SWITCH, A LABEL CLEARLY DISPLAYING THE FOLLOWING OR EQUIVALENT TEXT IS REQUIRED: "THIS SWITCH CONTROLS THE INDOOR AIR QUALITY VENTILATION FOR THE HOME. LEAVE IT ON UNLESS THE OUTDOOR AIR QUALITY IS VERY POOR. DUCT SYSTEMS ARE SIZED, DESIGNED AND EQUIPMENT IS SELECTED USING THE FOLLOWING METHODS .: 1. ESTABLISH HEAT LOSS AND HEAT GAIN VALUES ACCORDING TO ANSI/ ACCA 2 MANUAL J-2011 OR EQUIVALENT. 2. SIZE DUCT SYSTEMS ACCORDING TOASHARE STANDARD 62.2 TABLE 7.1 PROVIDED ON THIS SHEET 3. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ ACCA 3 MANUAL S-2014 OR

### EQUIVALENT .

HOSE BIB

RETURN AIR GRILLE, WALL MOUNTED

SUPPLY AIR DIFFUSER, WALL MOUNTED

THERMOSTAT

ELECTRICAL LEGEND

NL = no limit on duct length of this size X = not allowed, any length of duct of this size with assumed turns, elbows, fittings will exceed the rated pressure d

| IRE DETECTION                                                                                                   | POWER/DATA                                                                            | SWITCHING                                                        | LIGHTING                                                                                    |
|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| SMOKE DETECTORS PER SECTION R314<br>DETECTORS SHALL BE PERMANENTLY WIRED<br>WITH BATTERY BACKUP. SOUND AN ALARM | TAMPER RESISTANT RECEPTACLE<br>WALL MOUNTED, 110 V DUPLEX U<br>GFI = WATER PROOF GFCI | A A A A A A A A A A A A A A A A A A A                            | R         CEILING, RECESSED, DIRECTIONAL, ZERO           CLEARANCE IC RATED LED BULB        |
| AUDIBLE IN ALL SLEEPING AREAS. ALARM<br>DEVICES SHALL BE INTERCONNECTED IN SUCH A                               | CT = COOKTOP/ GRILL 240 V<br>O = OVEN 240 V                                           | \$ <sub>4</sub> FOUR-WAY SWITCH<br>\$ <sub>5</sub> DIMMER SWITCH | R <sub>ZC</sub> CEILING, RECESSED, ZERO CLEARANCE IC<br>RATED LED BULB                      |
| MANNER THAT THE ACTUATION OF ONE ALARM<br>WILL ACTIVATE ALL O F THE ALARMS IN THE UNIT.                         | MW = MICROWAVE 110 V<br>GD = GARBAGE DISPOSAL 110 V                                   | SC MOUNT 6" ABV COUNTER                                          | R <sub>ZC</sub> CEILING, RECESSED, ZERO CLEARANCE IC<br>WR RATED, WATER RESISTANT, LED BULB |
| <ul> <li>SHALL COMPLY WITH THE FOLLOWING:</li> <li>AT LEAST 3' FROM THE TIP OF THE BLADE OF</li> </ul>          | R = RANGE 220V<br>C = COUNTER HEIGHT 6" ABV COU                                       |                                                                  | R <sub>VS</sub> CEILING, RECESSED, LED BULB WITH<br>OCCUPANT OR VACANCY SENSOR              |
| <ul> <li>A CEILING-MOUNTED FAN</li> <li>NOT LESS THAN 3' FROM THE DOOR<br/>OPENING OF A BATHROOM</li> </ul>     | IDU = INDOOR UNIT POWER 84" AFF<br>W/D = WASHER/DRYER                                 | CEILING FAN/LIGHT COMBO                                          | HO WALL MOUNTED LIGHT                                                                       |
| AT LEAS 20' FROM A COOKING APPLIANCE<br>OR 10' FROM COOKING APPLIANCE WHEN                                      | 30AMP/ 240AMP<br>PHONE / DATA / MEDIA                                                 |                                                                  | JUNCTION BOX FLUSH CEILING MOUNTED                                                          |
| THE ALARM IS AN IONIZING SMOKE ALARM<br>PER NFPA 72 SECTION 29.8.3.4 ITEM 4                                     | - CEILING, WATERPROOF OUTLET                                                          | ,                                                                |                                                                                             |
| • AT LEAST 3' FROM SUPPLY REGISTERS OF A                                                                        | RECEPTACLE, VERIFY LOCATION                                                           | IN T BUTTON .                                                    |                                                                                             |
| HEATING /COOLING SYSTEM                                                                                         | FIELD.<br>SPECIAL PURPOSE CONNECTION                                                  |                                                                  | → FLUORESCENT FIXTURE (USE SHALLOW<br>TYPE WHEN UNDER COUNTER)                              |
| WIRED WITH BATTERY BACKUP PER SECTION                                                                           | (VOLTAGE SHALL MATCH)                                                                 | <b>BATHROOM EXHAUST FAN REQUIR</b>                               | EMENTS: PER CGBC 4.506.1-                                                                   |
| R315. ALARMS SHALL BE INTERCONNECTED IN                                                                         | APPLIANCE REQ.)                                                                       | EACH BATHROOM SHALL BE MECHANICALLY                              | VENTILATED AND SHALL COMPLY WITH THE FOLLOWING: 1.                                          |
| SUCH A MANNER THAT THE ACTUATION OF ONE                                                                         | SUB PANEL                                                                             | FANS SHALL BE ENERGY STAR COMPLIANT A                            | ND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING. 2.                                          |
| ALARM WILL ACTIVATE ALL O F THE ALARMS IN                                                                       |                                                                                       |                                                                  | A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE                                              |
| THE UNIT.                                                                                                       |                                                                                       |                                                                  | UMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT                                             |
| ASHRAE Standard 62.2 Table 7.1                                                                                  | 2                                                                                     |                                                                  | I SUMPTION OF A MAXIMUM OF 80 %. A HUMIDITY CONTROL MAY                                     |
| Table 7.1 Prescriptive Duct Sizing Requirements                                                                 |                                                                                       |                                                                  |                                                                                             |
| Flex_Duct                                                                                                       | Smooth Duct                                                                           |                                                                  | ADJUSTMENT. B. A HUMIDITY CONTROL MAY BE A SEPARATE                                         |
| Fan Rating         50         80         100         125         55                                             | 30 80 1100 <sup>1</sup> 125                                                           | COMPONENT TO EXHAUST FAN AND IS NOT R                            | REQUIRED TO BE INTEGRAL(I.E. BUILT IN)                                                      |
|                                                                                                                 |                                                                                       | <b>RESIDENTIAL ENERGY LIGHTING REG</b>                           | QUIREMENTS:ES 150.0(K)                                                                      |
| Maximum Allowable Du                                                                                            |                                                                                       |                                                                  | E WATTAGE RATING OF THE FIXTURES MUST BE HIGH                                               |
| Diameter, (in)         Flex Duct           3         X         X         X                                      | Smooth Duct                                                                           | EFFICACY.                                                        |                                                                                             |
|                                                                                                                 | 05 35 5 X                                                                             |                                                                  |                                                                                             |
| 5 NL 70 35 20 N                                                                                                 | NL 135 85 55                                                                          |                                                                  | UTILITY ROOMS AND WALK-IN CLOSETS, AT LEAST ONE                                             |
|                                                                                                                 | NL NL 145                                                                             |                                                                  | ED BY AN OCCUPANCY OR VACANCY SENSOR PROVIDING                                              |
| 7 and above NL                                                              |                                                                                       | AUTOMATIC-OFF FUNCTIONALITY.                                     |                                                                                             |
| Hims table assumes no elbows. Deduct 15 it or allowable duct length for each turn                               | i, eibow, orantung.                                                                   |                                                                  |                                                                                             |

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### project

County of Riverside Pre-Approved ADU Program

revisions 

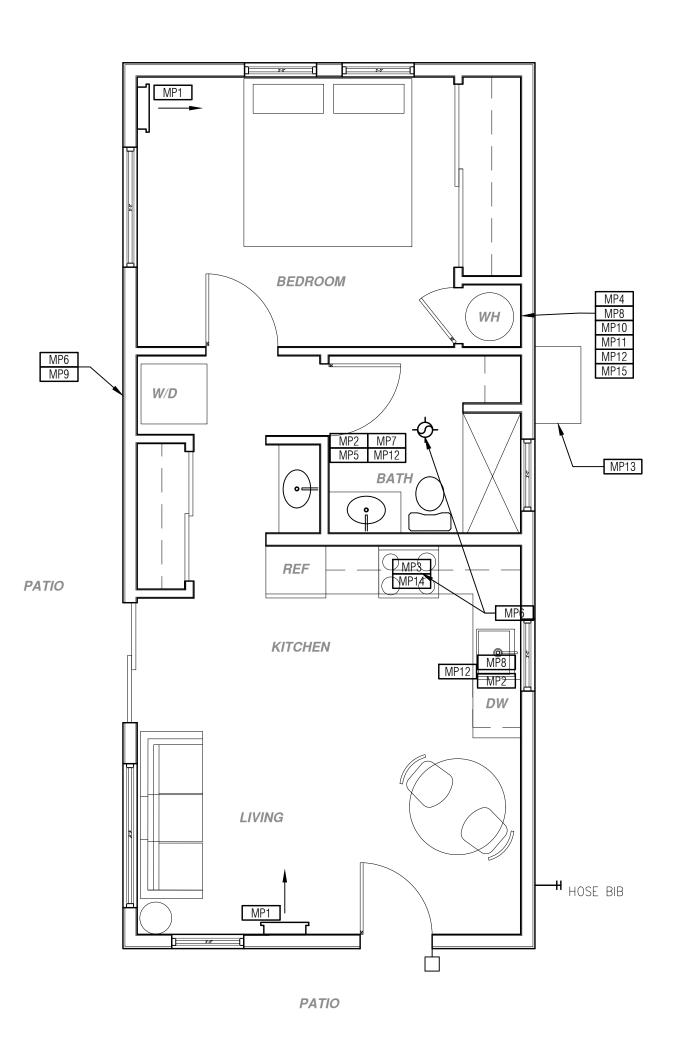
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Electrical Plan

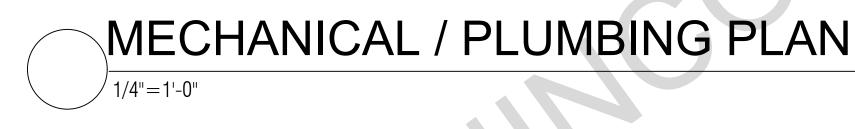
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|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
| sheet no.   | \2.1               |

# LARGER RESTROOM MANEUVERING OPTION

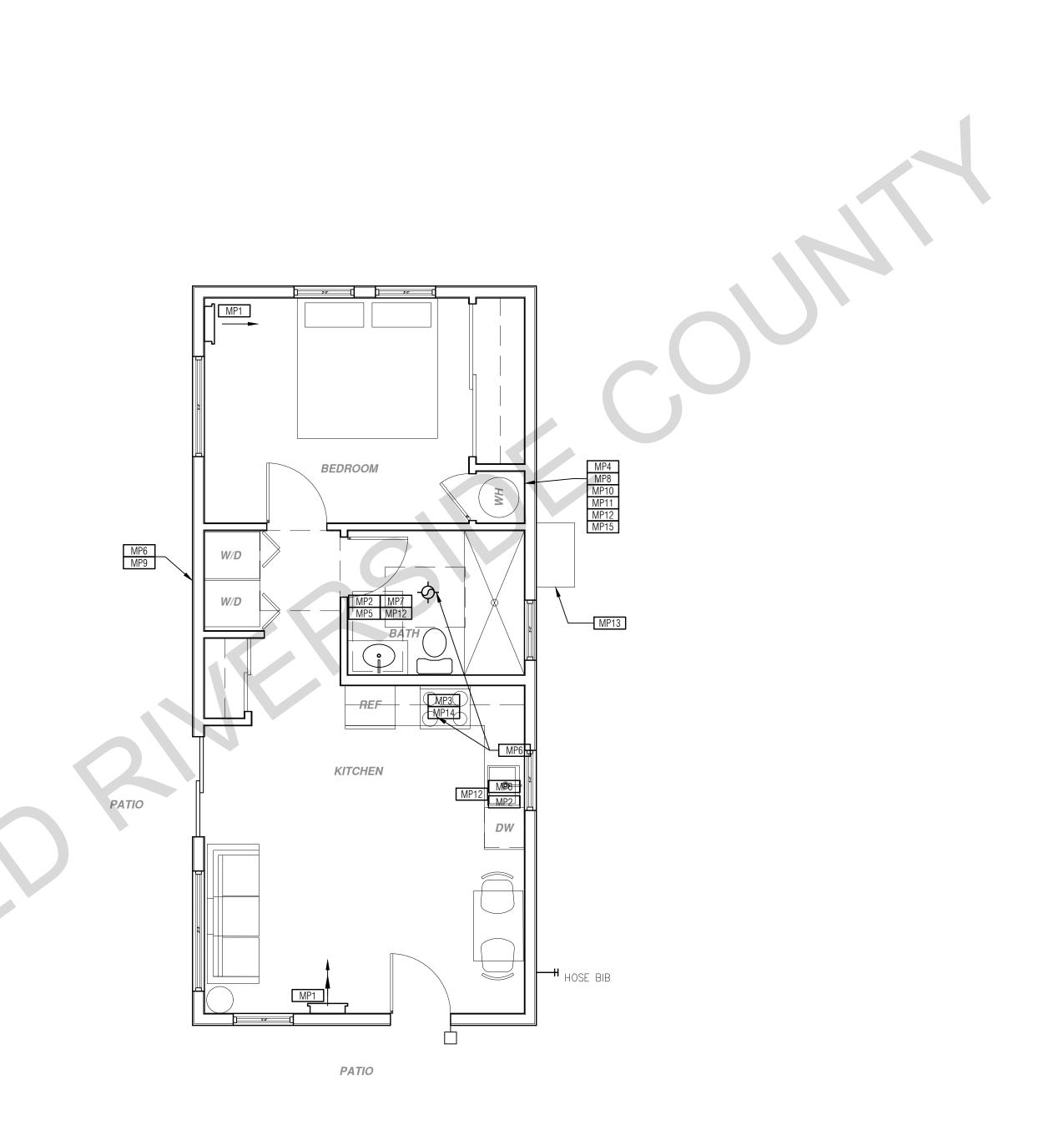
\*ALL THROUGHOUT THE RESIDENCE, INCLUDING THE GARAGE AND EXTERIOR, SHALL BE HIGH EFFICACY.







| MECHANICAL / PLUMBING KE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YNOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ELECTRICAL KEYNO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| MP1       INDOOR UNIT MINI SPLIT SYSTEM.         MP2       WATER CONSERVING FIXTURES: NEW WATER CLOSETS SHALL USE<br>NO MORE THAN 1.28 GAL. OF WATER PER FLUSH, LAVATORIES<br>LIMITED TO 1.2 GPM, KITCHEN FAUCETS NOT TO EXCEED 1.8 GPM AT<br>60 PSI THEY CAN INCREASE THE FLOW MOMENTARILY BUT CANT<br>EXCEED 2.2GALLONS PER MIN. AT 60 PSI AND MUST DEFAULT TO A<br>MAX. FLOW RATE OF 1.8GALLONS PER MIN AT 60 PSI., AND SHOWERS<br>NOT EXCEED 1.8 GPM. AT 80 PSI AND ALL SHALL BE CERTIFIED TO<br>MEET THE PERFORMANCE CRITERIA OF THE EPA WATERSENCE<br>SPECIFICATIONS FOR SHOWERHEADS. CPC SECTIONS 407, 408, 411,<br>412 AND SECTION 301.1.1 CALGREEN CODE AND CIVIL CODE 1101.3(c         MP3       EXHAUST HOOD ABOVE/ TO BE SMOOTH METALLIC INTERIOR<br>SURFACE (CMC 504.3)         MP4       NEW WATER HEATER PER T24 REQUIREMENTS - TO HAVE<br>CONDENSATE DRAIN INSTALLED NO HIGHER THAN 2' ABOVE THE<br>BASE OF THE HEATER THAT ALSO ALLOWS GRAVITY DRAINAGE<br>PLEASE SEE TABLE 501.1(2) ON THIS SHEET FOR FIRST HOUR RATING<br>IN GALLONS         MP5       CONTROL VALVES IN SHOWERS, BATHTUBS, & BIDETS MUST BE<br>PRESSURE BALANCED OR THERMOSTATIC MIX VALVES         MP6       MINIMUM OF 3 FT CLEARANCE TO ANY OPENING INTO BUILDING FOR<br>EXHAUST FAN TERMINATIONS         MP7       CLEARANCE FOR WATER CLOSET TO BE A MIN. OF 24" IN FRONT, AN<br>15" FROM ITS CENTER TO ANY SIDE WALL OR OBSTRUCTION. (CPC<br>402.5)         MP8       THE 1/2" SIZE HOT WATER PIPE TO THE KITCHEN SINK AND THE COLD<br>WATER PIPE WITHIN 5' OF WATER HEATER BOTH REQUIRE 1" | MP9       DRYER EXHAUST OUTLET FROM DRYER TO EXTERIOR MAX LENGTH<br>14' WITH MAXIMUM OF TWO 90° ELBOWS.EXHAUST VENT MUST<br>TERMINATE A MIN. OF 3' FROM ANY OPENING. MIN. TYPE 1 CLOTHES<br>DRYER EXHAUST DUCTS SHALL BE OF RIGID METAL & SHALL HAVE<br>SMOOTH INTERIOR SURFACES. THE DIAMETER SHALL BE NOT LESS<br>THAN 4 INCHES NOMINAL (100 MM), & THE THICKNESS SHALL BE NOT<br>LESS THAN 0.016 OF AN INCH (0.406 MM). EXHAUST DUCTS & DRYER<br>VENTS SHALL BE EQUIPPED WITH BACK DRAFT DAMPERS         MP10       NEW WATER HEATER WITH T&P RELIEF VALVE AND DISCHARGE PIPE<br>AT EXTERIOR. PROVIDE COMBUSTION AIR AND CLEARANCES PER<br>MANUFACTURER REQUIREMENTS.         MP11       NEW WATER HEATERS SHALL HAVE ISOLATION VALVES ON BOTH THE<br>COLD AND THE HOT WATER PIPING LEAVING THE WATER HEATER<br>COMPLETE WITH HOSE BIBS OR OTHER FITTINGS ON EACH VALVES<br>FOR FLUSHING THE WATER HEATER WHEN THE VALVES ARE CLOSED         MP12       ALL DOMESTIC HOT WATER PIPING TO HAVE THE FOLLOWING<br>MINIMUM INSULATION INSTALLED:<br>$\frac{1}{2}$ " PIPE ( $\frac{1}{2}$ " INSULATION);<br>$\frac{3}{4}$ " PIPE (1" INSULATION);<br>$\frac{1}{4}$ " PIPE (1" INSULATION);<br>$\frac{1}{4}$ " DIPE (1-1/2" INSULATION)         MP13       OUTDOOR CONDENSING UNIT TO BE PIPED TO INDOOR HVAC UNIT<br>MP14         A MINIMUM 100 CFM INTERMITTENT RATED HOOD OVER RANGE IS<br>REQUIRED. IF USED FOR INDOOR AIR QUALITY THE FAN SHALL RUN<br>CONTINUOUSLY AND BE HERS VERIFIED PER CEC TABLE 150.0-G:<br>160 CFM OR 65%CE AT <75SF, 130 CFM IR 55% CE AT 750-1000SF,<br>110CFM OR 50% CE AT 1000-1500SF, OR 110 CFM OR 50% AT 1500SF | <ul> <li>E1 DEDICATED 30 AMP/ 240V POWER FOR ELEMOVEN. VERIFY REQUIREMENTS WITH APPLIX SPECIFICATIONS - ELECTRIC COOKTOP REAREQUIREMENTS ARE TO BE IMPLEMENTED, ELECTRIC READY 150.0(u) FOR REQUIREMENTED. ELECTRIC READY 150.0(u) FOR REQUIREMENTED BY OWNER</li> <li>E3 SUBPANEL LOCATION. ALTERNATE LOCATION E3 SUBPANEL LOCATION. ALTERNATE LOCATION DETERMINED BY OWNER</li> <li>E4 OUTLET AT COUNTER HEIGHT - SHALL COM ARTICLE 210.52(C): IN KITCHENS A RECEPTA SHALL BE INSTALLED AT EACH COUNTER SI WIDER; SHALL BE INSTALLED AT EACH COUNTER SI WIDER; SHALL BE INSTALLED SO THAT NO F WALL IS MORE THAN 24"; ISLAND IN PENINS COUNTERTOPS 12" X 24" LONG (OR GREATE LEAST ONCE RECEPTACLE</li> <li>E5 OUTDOOR LIGHTING FIXTURES ARE REQUIREFICACY OR CONTROLLED BY A COMBINA PHOTOCONTROL / MOTION SENSOR.</li> <li>E6 OUTLET DEDICATED FOR INDOOR HVAC UN</li> <li>E7 WEATHER RESISTANT TYPE RECEPTACLES</li> <li>E8 OVER-CURRENT FEEDER TO EXTEND TO EXALUMINUM CONDUCTOR BURIED UNDER GRALLOWABLE VOLTAGE DROP PER CEC 250.4</li> </ul> |





### **KEYNOTES**

| POWER FOR ELECTRIC DRYER OR<br>ENTS WITH APPLIANCE<br>RIC COOKTOP READY<br>BE IMPLEMENTED, SEE SHEET G0.2,<br>FOR REQUIREMENTS | E10 OUTDOOR CONDENSING UNIT RECEPTACLE OUTLET SHALL BE<br>INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING<br>OF THE HEATING AND COOLING EQUIPMENT AND SHALL BE<br>LOCATED ON THE SAME LEVEL AND WITHIN 25 FEET OF THE<br>EQUIPMENT. THIS RECEPTACLE SHALL BE GFCI-WP<br>PROTECTED.                                              | MEC<br>-� |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| RIC HYBRID HEAT PUMP WATER<br>TER HEATER. SEE ELECTRICAL NOTE<br>IFORMATION<br>TERNATE LOCATION TO BE                          | E11 A DISCONNECTING MEANS CAPABLE OF DISCONNECTING<br>AIR-CONDITIONING AND REFRIGERATING EQUIPMENT,<br>INCLUDING MOTOR-COMPRESSORS AND CONTROLLERS FROM<br>THE CIRCUIT CONDUCTOR IS REQUIRED WITHIN SIGHT FROM<br>THE EQUIPMENT LOCATION PER CEC SECTION 440.11                                                                       |           |
| GHT - SHALL COMPLY WITH CEC<br>CHENS A RECEPTACLE OUTLET<br>EACH COUNTER SPACE 12" OR                                          | E12 PER CEC 2022 150.0(N).1.A.: THE DESIGNATED SPACE IS WITHIN<br>3 FEET FROM THE WATER HEATER AND IS TO COMPLY WITH<br>ELECTRICAL NOTES 15&16 ON SHEET G0.2                                                                                                                                                                          |           |
| LED SO THAT NO POINT ALONG THE<br>ISLAND IN PENINSULAR<br>.ONG (OR GREATER) SHALL HAVE AT                                      | E13 MAIN PANELBOARD LOCATION SHALL HAVE A MINIMUM<br>BUSBAR RATING OF 225 AMPS. 60A SUBPANEL FOR BACK UP<br>ESS CIRCUIT                                                                                                                                                                                                               |           |
| L<br>URES ARE REQUIRED TO BE HIGH<br>ED BY A COMBINATION<br>N SENSOR.                                                          | E14 ALL SINGLE-FAMILY RESIDENCES THAT INCLUDE ONE OR TWO<br>DWELLING UNITS SHALL MEET THE FOLLOWING ENERGY<br>STORAGE SYSTEMS (ESS) READY REQUIREMENTS. ALL<br>ELECTRICAL COMPONENTS SHALL BE INSTALLED IN<br>ACCORDANCE WITH THE CEC. SEE SHEET G0.2. ELECTRIC                                                                       |           |
| INDOOR HVAC UNIT                                                                                                               | READY 150.0(s) FOR REQUIREMENTS                                                                                                                                                                                                                                                                                                       |           |
| PE RECEPTACLES GFCI PROTECTED<br>TO EXTEND TO EXISTING PANEL-<br>BURIED UNDER GROUND WITH AWG<br>ROP PER CEC 250.4             | E15 SUFFICIENT SPACE SHALL BE RESERVED TO ALLOW FUTURE<br>INSTALLATION OF A SYSTEM ISOLATION<br>EQUIPMENT/TRANSFER SWITCH WITHIN 3FT OF THE MAIN<br>PANELBOARD. RACEWAYS SHALL BE INSTALLED BETWEEN<br>THE PANELBOARD & THE SYSTEM ISOLATION<br>EQUIPMENT/TRANSFER SWITCH LOCATION TO ALLOW THE<br>CONNECTION OF BACKUP POWER SOURCE. |           |
| TRODE SYSTEM PER CEC 250.4                                                                                                     | E16 LIGHTS OVER TUBS AND SHOWERS ARE TO BE MARKED FOR DAMP/WET LOCATIONS WHERE SUBJECT TO SHOWER SPRAY                                                                                                                                                                                                                                |           |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                       |           |

### MECHANICAL LEGEND

#### MECHANICAL BATHROOM EXHAUST FAN: MINIMUM 50 CFM TO BE DUCTED TO THE EXTERIOR AND SHALL PROVIDE FIVE AIR CHANGES PER HOUR. CFM AND NOISE RATING MAXIMUM 3 SONE FOR INTERMITTENT USE. SHALL BE ENERGY STAR RATED AND CONTROLLED BY A HUMIDISTAT CAPABLE OF AN ADJUSTMENT BETWEEN 50-80% HUMIDITY. IQA FAN IS REQUIRED. ONE OR MORE FANS (EITHER KITCHEN OR BATHROOM) TO OPERATE CONTINUOUSLY AT REQUIRED CFM PER HERS NOTES ON T1.1(OR GREATER) TO PROVIDE INDOOR AIR QUALITY. AT THE IAQ FAN SWITCH, A LABEL CLEARLY DISPLAYING THE FOLLOWING OR EQUIVALENT TEXT IS REQUIRED: "THIS SWITCH CONTROLS THE INDOOR AIR QUALITY VENTILATION FOR THE HOME. LEAVE IT ON UNLESS THE OUTDOOR AIR QUALITY IS VERY POOR. DUCT SYSTEMS ARE SIZED, DESIGNED AND EQUIPMENT IS SELECTED USING THE FOLLOWING METHODS .: 1. ESTABLISH HEAT LOSS AND HEAT GAIN VALUES ACCORDING TO ANSI/ ACCA 2 MANUAL J-2011 OR EQUIVALENT. 2. SIZE DUCT SYSTEMS ACCORDING TOASHARE STANDARD 62.2 TABLE 7.1 PROVIDED ON THIS SHEET SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ ACCA 3 MANUAL S-2014 OR

EQUIVALENT .

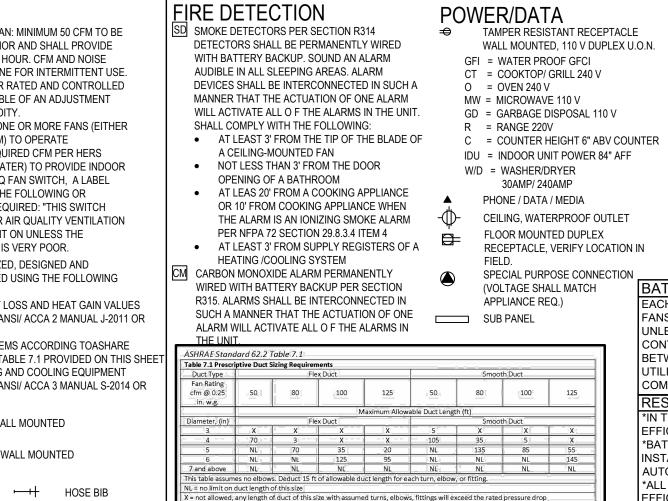
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RETURN AIR GRILLE, WALL MOUNTED

SUPPLY AIR DIFFUSER, WALL MOUNTED

### ELECTRICAL LEGEND



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DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE COUNTY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ANY USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

BY USING THESE PERMIT READY CONSTRUCTION

### project

County of Riverside Pre-Approved ADU Program

revisions 

#### SWITCHING LIGHTING $\mathbb{R}_{D}$ CEILING, RECESSED, DIRECTIONAL, ZERO SWITCH, MOUNT AT 43" AFF CLEARANCE IC RATED LED BULB THREE-WAY SWITCH CEILING, RECESSED, ZERO CLEARANCE IC $\mathbb{R}_{70}$ FOUR-WAY SWITCH RATED LED BULB DIMMER SWITCH CEILING, RECESSED, ZERO CLEARANCE IC $\mathbb{R}_{z}$ MOUNT 6" ABV COUNTER RATED, WATER RESISTANT, LED BULB OCCUPANCY/VACANCY SENSOR $\mathbb{R}_{vs}$ CEILING, RECESSED, LED BULB WITH MISC OCCUPANT OR VACANCY SENSOR Ю WALL MOUNTED LIGHT CEILING FAN/LIGHT COMBO JUNCTION BOX FLUSH CEILING MOUNTED CIRCUIT WIRING UNDER COUNTER LIGHTING -Q<sub>iic</sub> LOW VOLTAGE, LANDSCAPE LIGHT (S<sub>IV</sub> BUTTON FLUORESCENT FIXTURE (USE SHALLOW TYPE WHEN UNDER COUNTER) BATHROOM EXHAUST FAN REQUIREMENTS: PER CGBC 4.506.1-EACH BATHROOM SHALL BE MECHANICALLY VENTILATED AND SHALL COMPLY WITH THE FOLLOWING: 1 FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING. 2. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL. A. HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF </= 50 % TO A MAXIMUM OF 80 %. A HUMIDITY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF ADJUSTMENT. B. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRAL(I.E. BUILT IN) RESIDENTIAL ENERGY LIGHTING REQUIREMENTS:ES 150.0(K) \*IN THE KITCHEN, AT LEAST ONE-HALF OF THE WATTAGE RATING OF THE FIXTURES MUST BE HIGH EFFICACY. \*BATHROOMS, GARAGES, LAUNDRY ROOMS, UTILITY ROOMS AND WALK-IN CLOSETS, AT LEAST ONE INSTALLED LUMINAIRE SHALL BE CONTROLLED BY AN OCCUPANCY OR VACANCY SENSOR PROVIDING

EFFICACY.

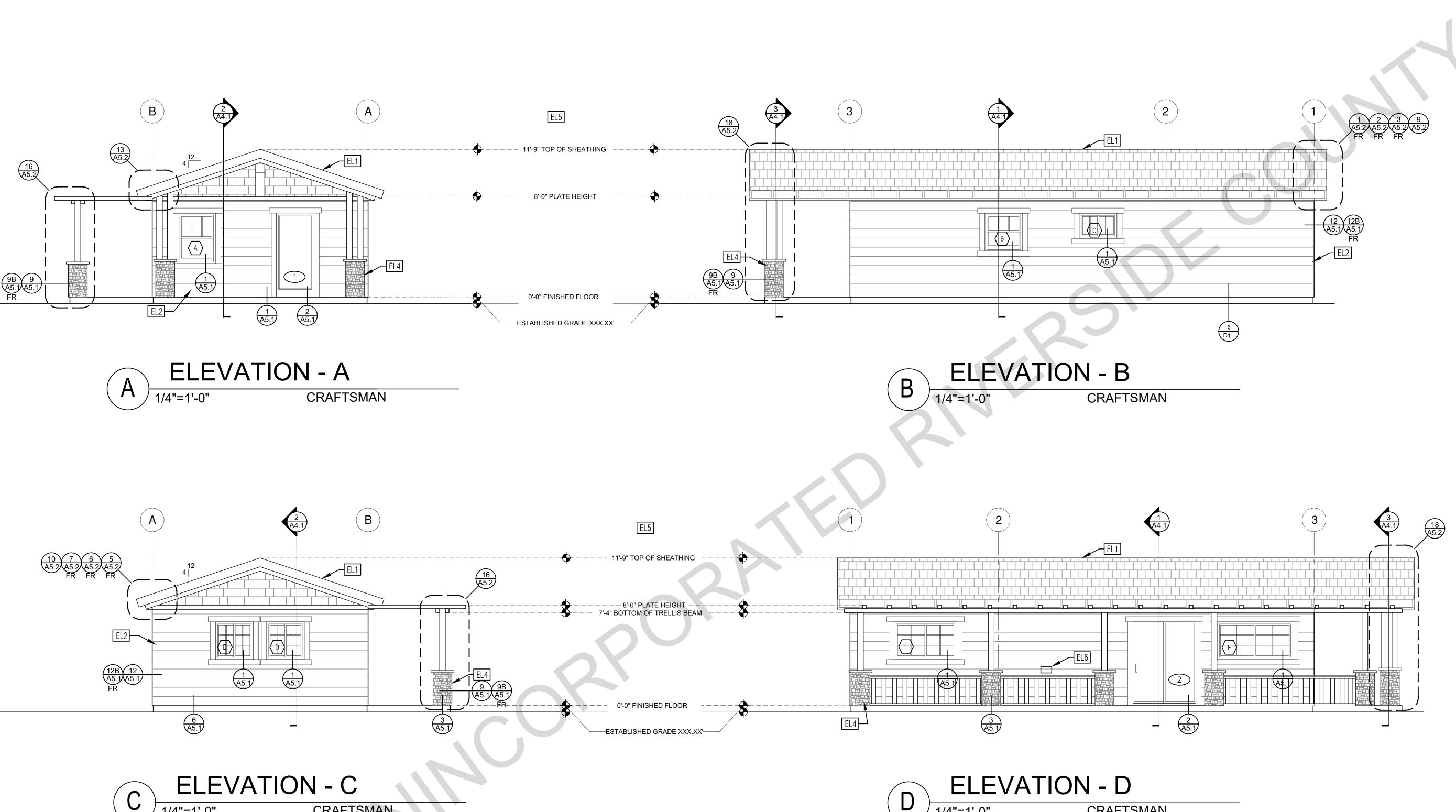
AUTOMATIC-OFF FUNCTIONALITY. \*ALL THROUGHOUT THE RESIDENCE, INCLUDING THE GARAGE AND EXTERIOR, SHALL BE HIGH description

# Mechanical/ Plumbing Plan

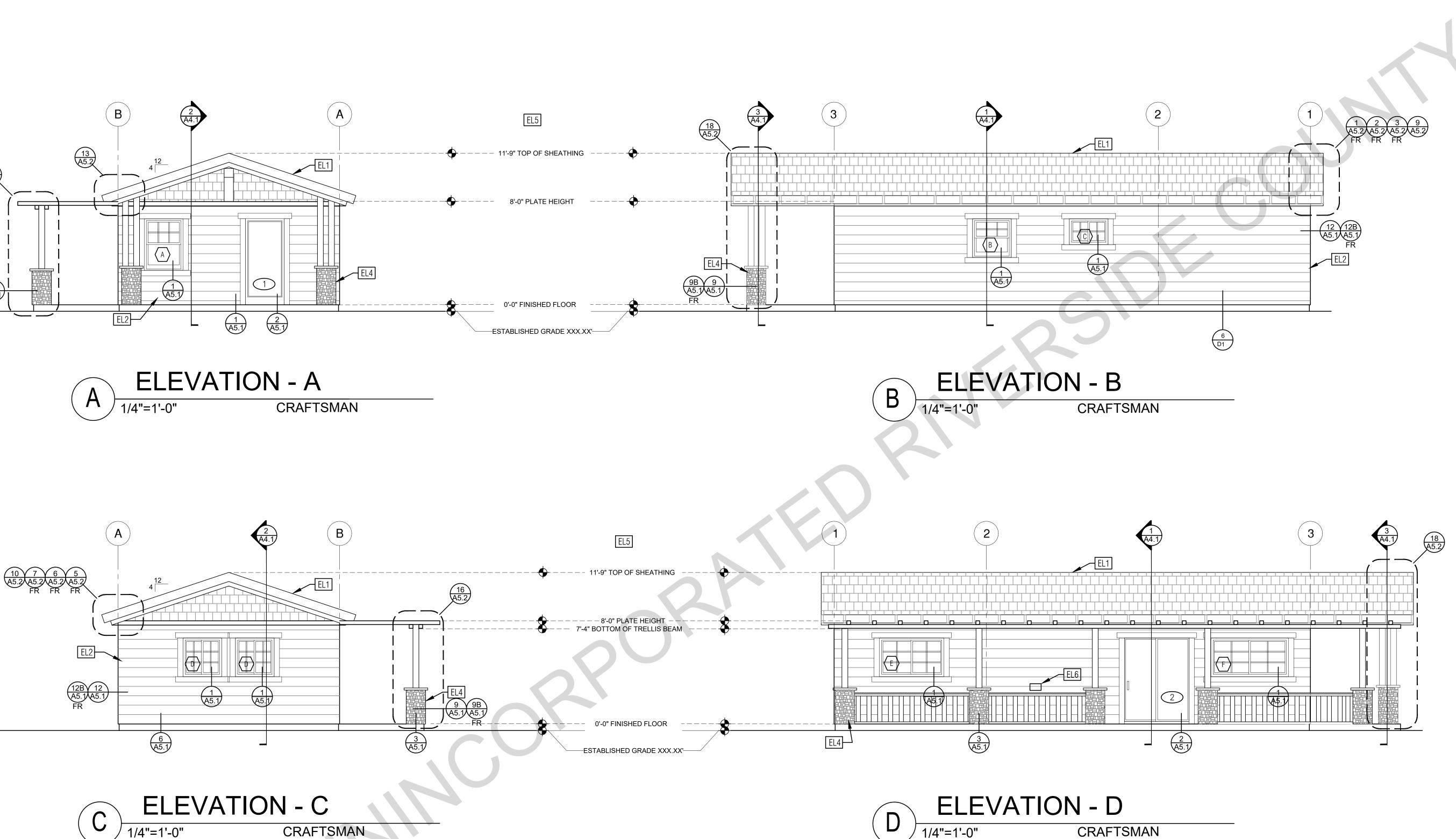
| 20 January 2025    |
|--------------------|
| RIVERSIDE ADU      |
| DESIGN PATH STUDIO |
|                    |



# LARGER RESTROOM MANEUVERABLE OPTION







### **ELEVATION KEYNOTES**

- EL1 MINIMUM CLASS A ROOF ASSEMBLY SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS
- EL2 SIDING
- EL3 STUCCO
- EL4 STONE VENEER
- EL5 HEIGHT IS MEASURED AT THE BUILDING LINE, FROM THE LOWER OF EXISTING AND PROPOSED GRADES
- EL6 DRYER VENT TERMINATION (MINIMUM OF 3 FT FROM ANY OPENING)

# **ELEVATION GENERAL NOTES**

- 1. ALL DIMENSIONS TO FINISH FACE, U.N.O.
- 2. ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O.

3. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.

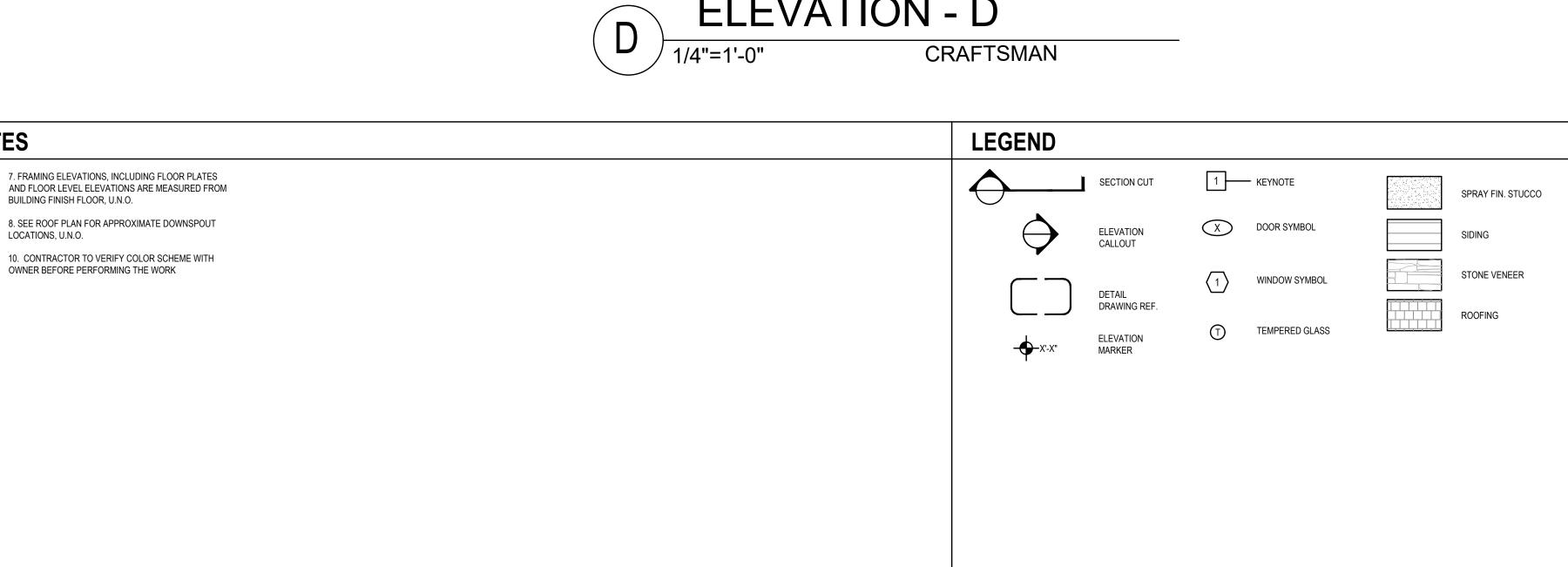
4. REFER TO FRAMING PLANS, FLOOR PLANS, AND SECTIONS FOR CLARIFICATION AND DIMENSIONS

- 5. SEE SCHEDULE FOR DOOR AND WINDOW INFORMATION AND HEIGHTS
- 6. LATH & PLASTER

A. MATERIALS FOR PLASTER IS TO BE THE STANDARD PRODUCTS OF RECOGNIZED MANUFACTURES, AND SHALL BE AS MANUFACTURED BY US GYPSUM CO. AND APPROVED BY THE LATH AND PLASTER INSTIGAT OR APPROVED EQUAL. B. ALL PLASTER CORNER BEADS, CASING BEADS, CONTROL JOINTS, EXPANSION SCREEDS AND ACCESSORIES ARE TO BE GALVANIZED.PROVIDE CASING BEADS AT ALL JOINTS OF

STUCCO TO DISSIMILAR SURFACES UNLESS OTHERWISE NOTED C. WHERE INDICATED ON THE DRAWINGS, PORTLAND CEMENT PLASTER IS TO BE HAND APPLIED (3) THREE COAT WORK, 7/8" THICK ON EXTERIOR SURFACES. THE COATS ARE TO CONSIST OF A SCRATCH (3/8" AND A TWO COAT FINISH (1/8" MIN.) COAT PROPORTIONED AND MIXED ADS RECOMMENDED BY THE CALIFORNIA LATHING AND

PLASTERING CONTRACTORS ASSOCIATION.



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project

County of Riverside Pre-Approved ADU Program

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revisions 

# description Exterior Elevations 1 Bedroom Craftsman

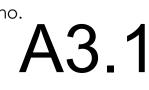
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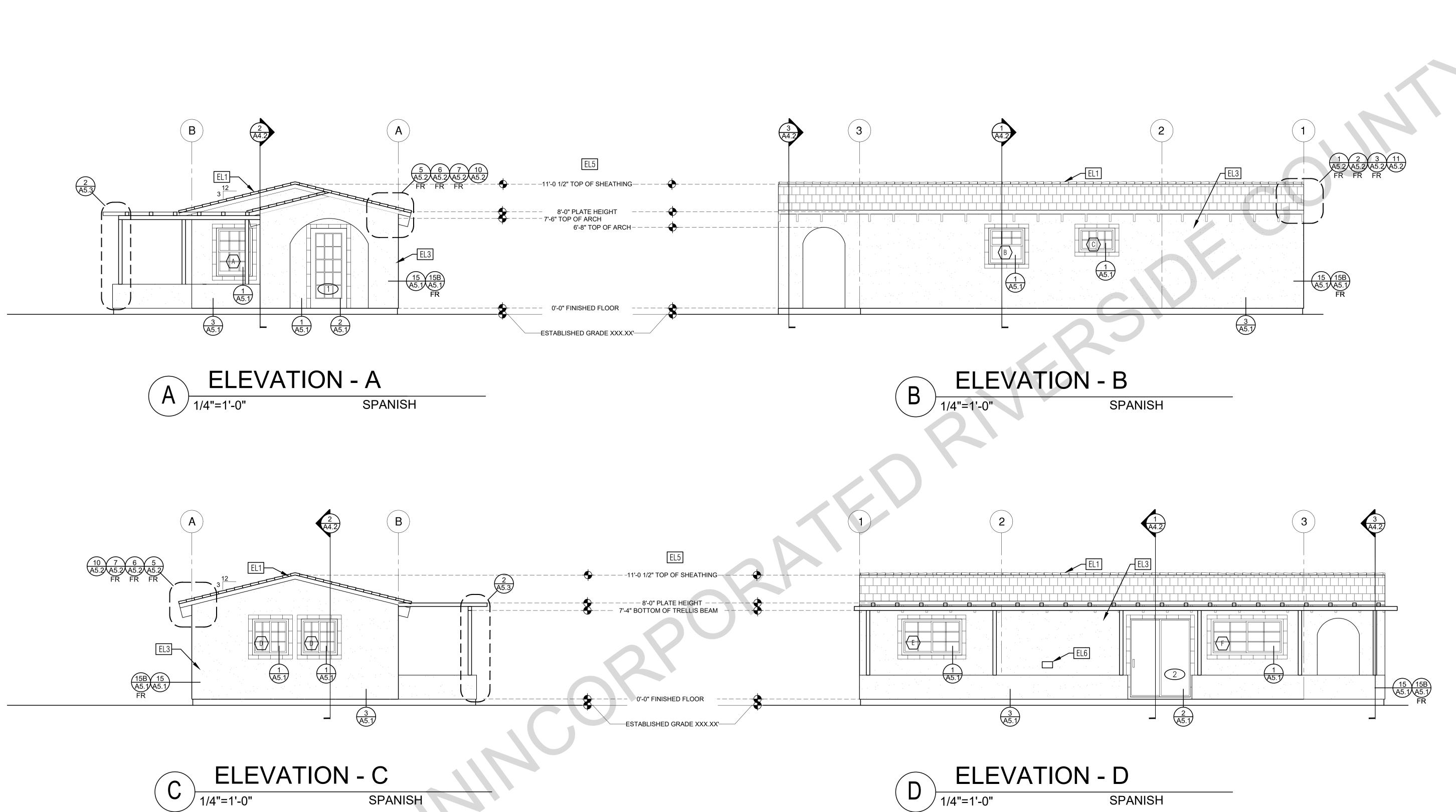
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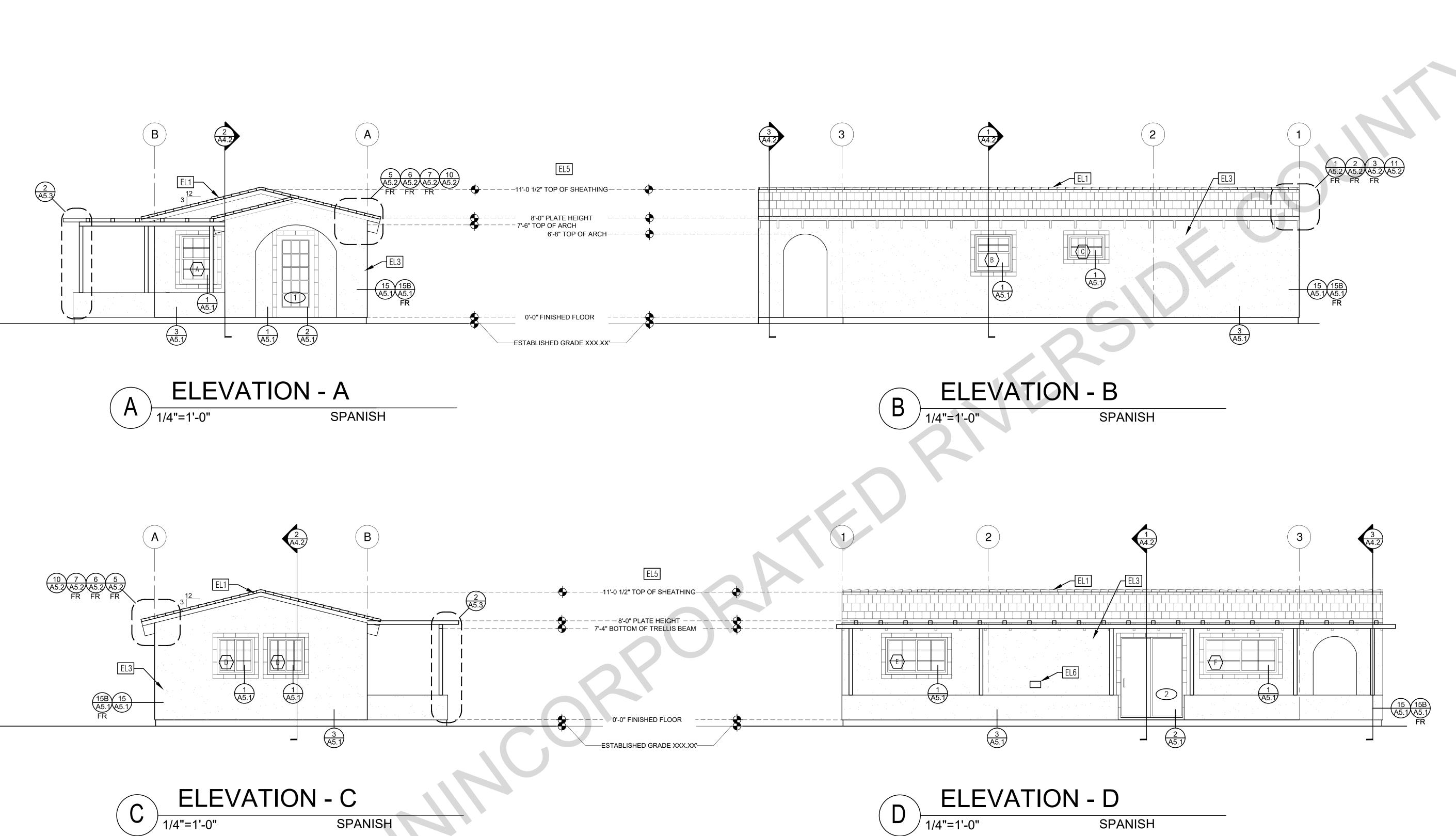
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sheet no.











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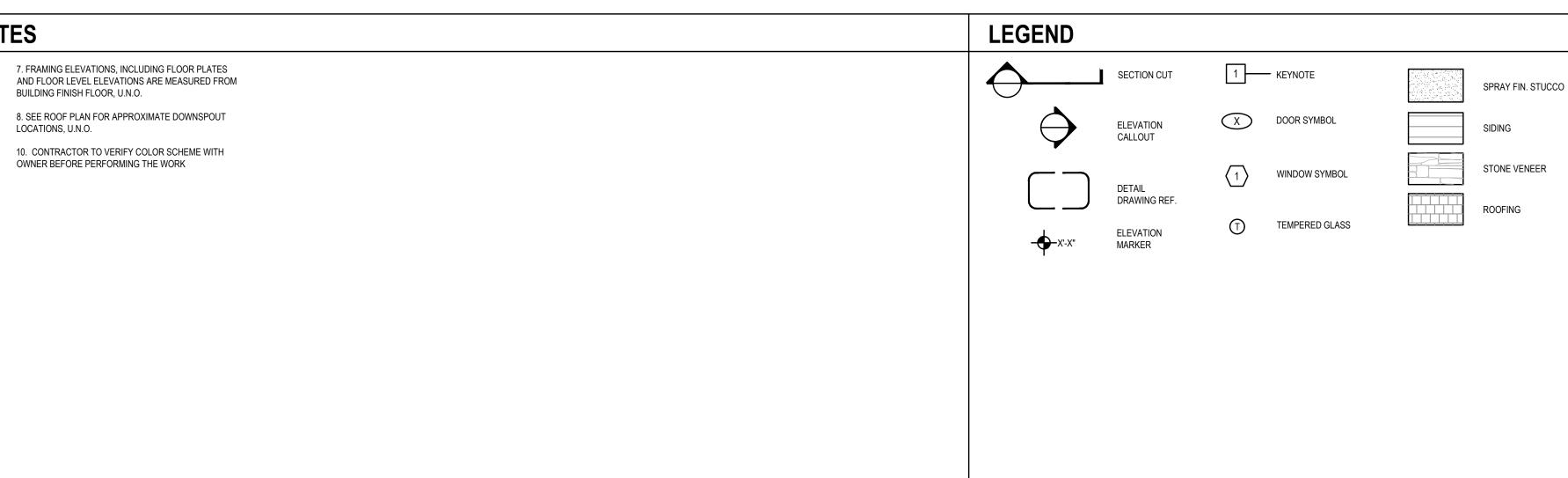
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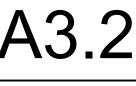
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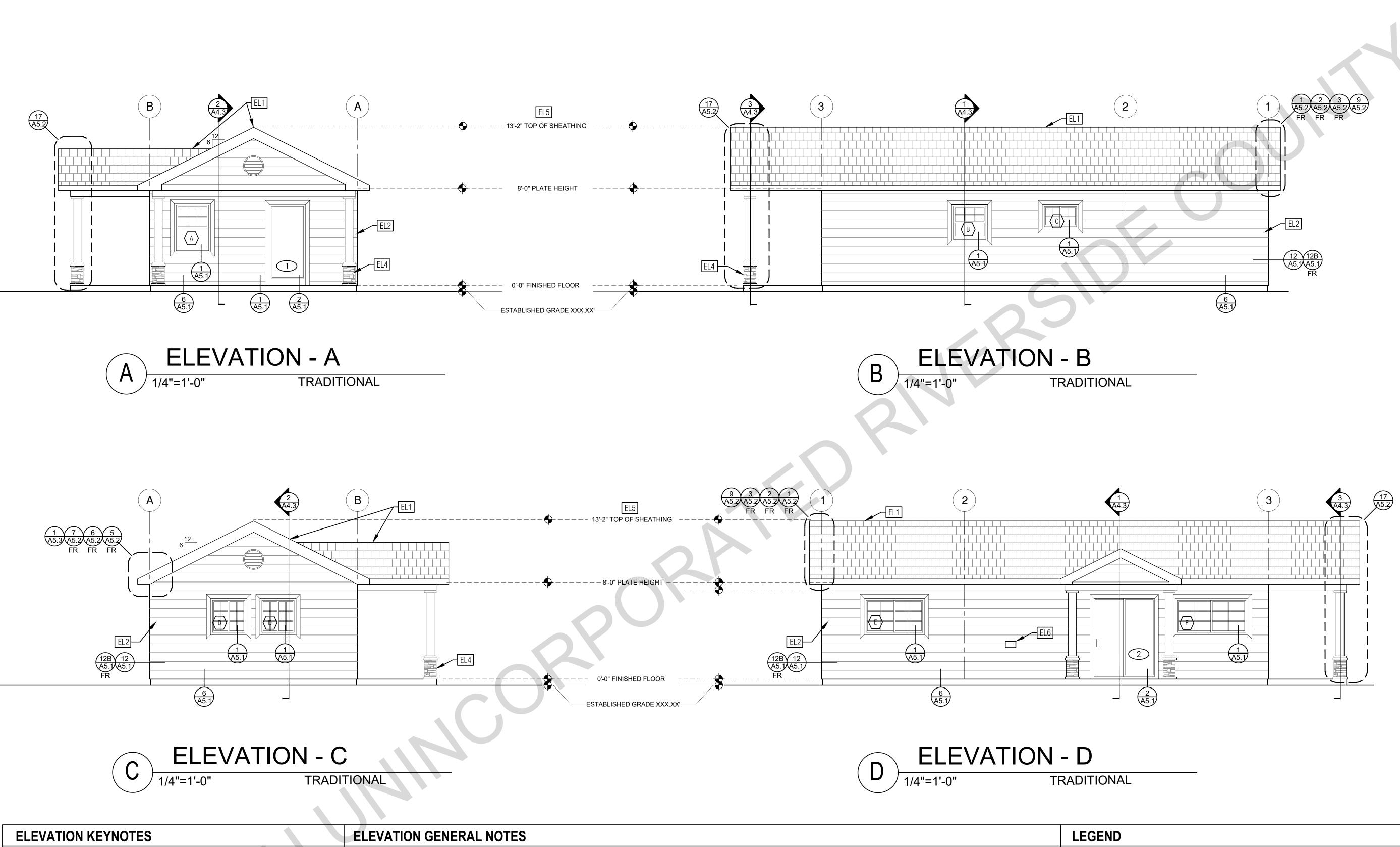
# description Exterior Elevations 1 Bedroom Spanish 20 January 2025 date

project no. RIVERSIDE ADU

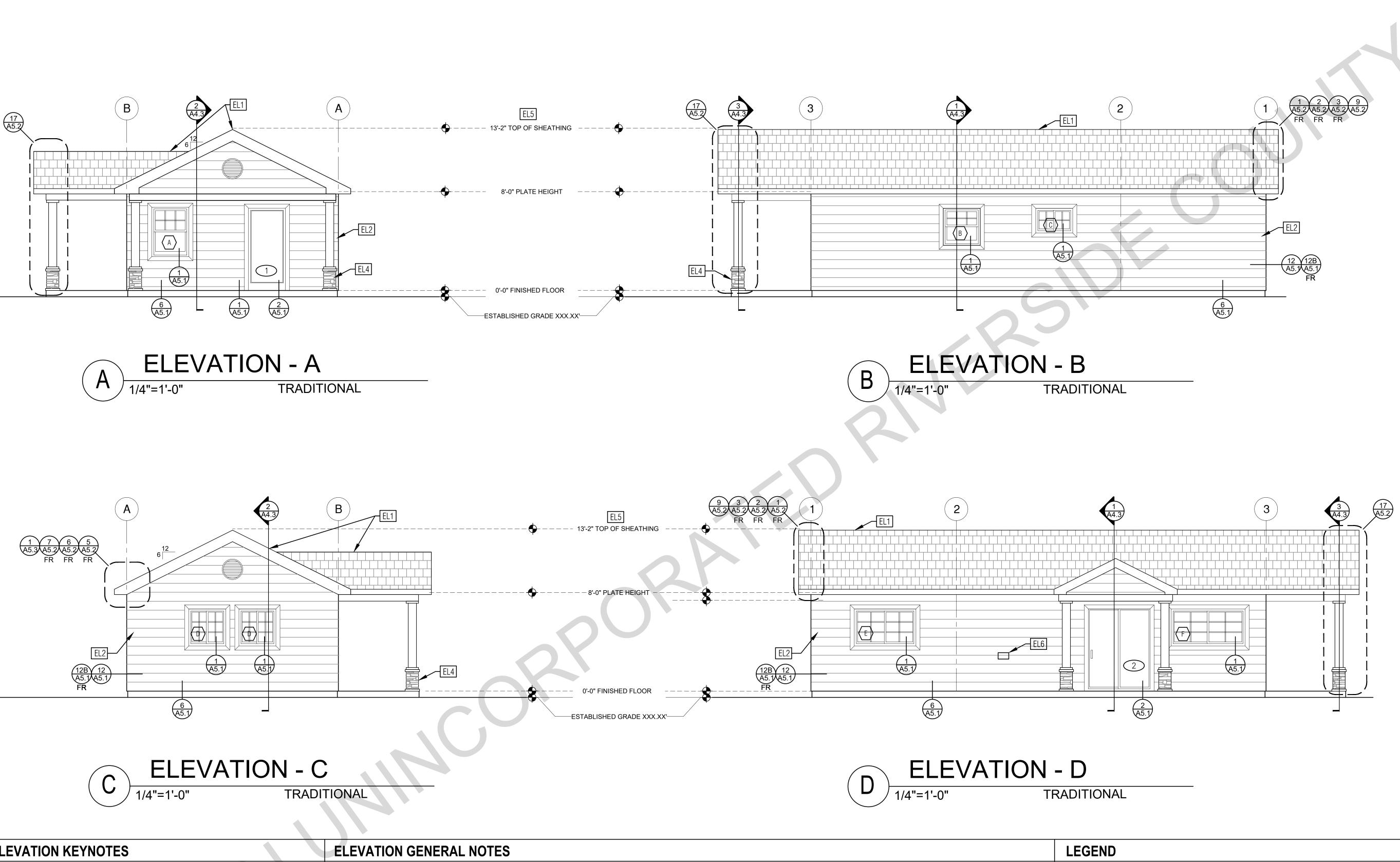
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sheet no.











- EL1 MINIMUM CLASS A ROOF ASSEMBLY SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS
- EL2 SIDING
- EL3 STUCCO EL4 STONE VENEER
- EL5 HEIGHT IS MEASURED AT THE BUILDING LINE, FROM THE LOWER OF EXISTING AND PROPOSED GRADES
- EL6 DRYER VENT TERMINATION (MINIMUM OF 3 FT FROM ANY OPENING)

- 1. ALL DIMENSIONS TO FINISH FACE, U.N.O.
- 2. ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O.

3. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.

4. REFER TO FRAMING PLANS, FLOOR PLANS, AND SECTIONS FOR CLARIFICATION AND DIMENSIONS

- 5. SEE SCHEDULE FOR DOOR AND WINDOW INFORMATION AND HEIGHTS
- 6. LATH & PLASTER

A. MATERIALS FOR PLASTER IS TO BE THE STANDARD PRODUCTS OF RECOGNIZED MANUFACTURES, AND SHALL BE AS MANUFACTURED BY US GYPSUM CO. AND APPROVED BY THE LATH AND PLASTER INSTIGAT OR APPROVED EQUAL. B. ALL PLASTER CORNER BEADS, CASING BEADS, CONTROL JOINTS, EXPANSION SCREEDS AND ACCESSORIES ARE TO BE GALVANIZED.PROVIDE CASING BEADS AT ALL JOINTS OF

STUCCO TO DISSIMILAR SURFACES UNLESS OTHERWISE NOTED C. WHERE INDICATED ON THE DRAWINGS, PORTLAND CEMENT PLASTER IS TO BE HAND APPLIED (3) THREE COAT WORK, 7/8" THICK ON EXTERIOR SURFACES. THE COATS ARE TO CONSIST OF A SCRATCH (3/8" AND A TWO COAT FINISH

(1/8" MIN.) COAT PROPORTIONED AND MIXED ADS RECOMMENDED BY THE CALIFORNIA LATHING AND PLASTERING CONTRACTORS ASSOCIATION.

7. FRAMING ELEVATIONS, INCLUDING FLOOR PLATES AND FLOOR LEVEL ELEVATIONS ARE MEASURED FROM BUILDING FINISH FLOOR, U.N.O.

8. SEE ROOF PLAN FOR APPROXIMATE DOWNSPOUT LOCATIONS, U.N.O.

10. CONTRACTOR TO VERIFY COLOR SCHEME WITH OWNER BEFORE PERFORMING THE WORK

 $\bigcirc$ 

SECTION CUT ELEVATION  $\ominus$ CALLOUT DETAIL DRAWING REF. ELEVATION -**--**X'-X" MARKER

X DOOR SYMBOL WINDOW SYMBOL TEMPERED GLASS  $(\overline{})$ 

1 KEYNOTE

STONE VENEER ROOFING

SIDING

SPRAY FIN. STUCCO

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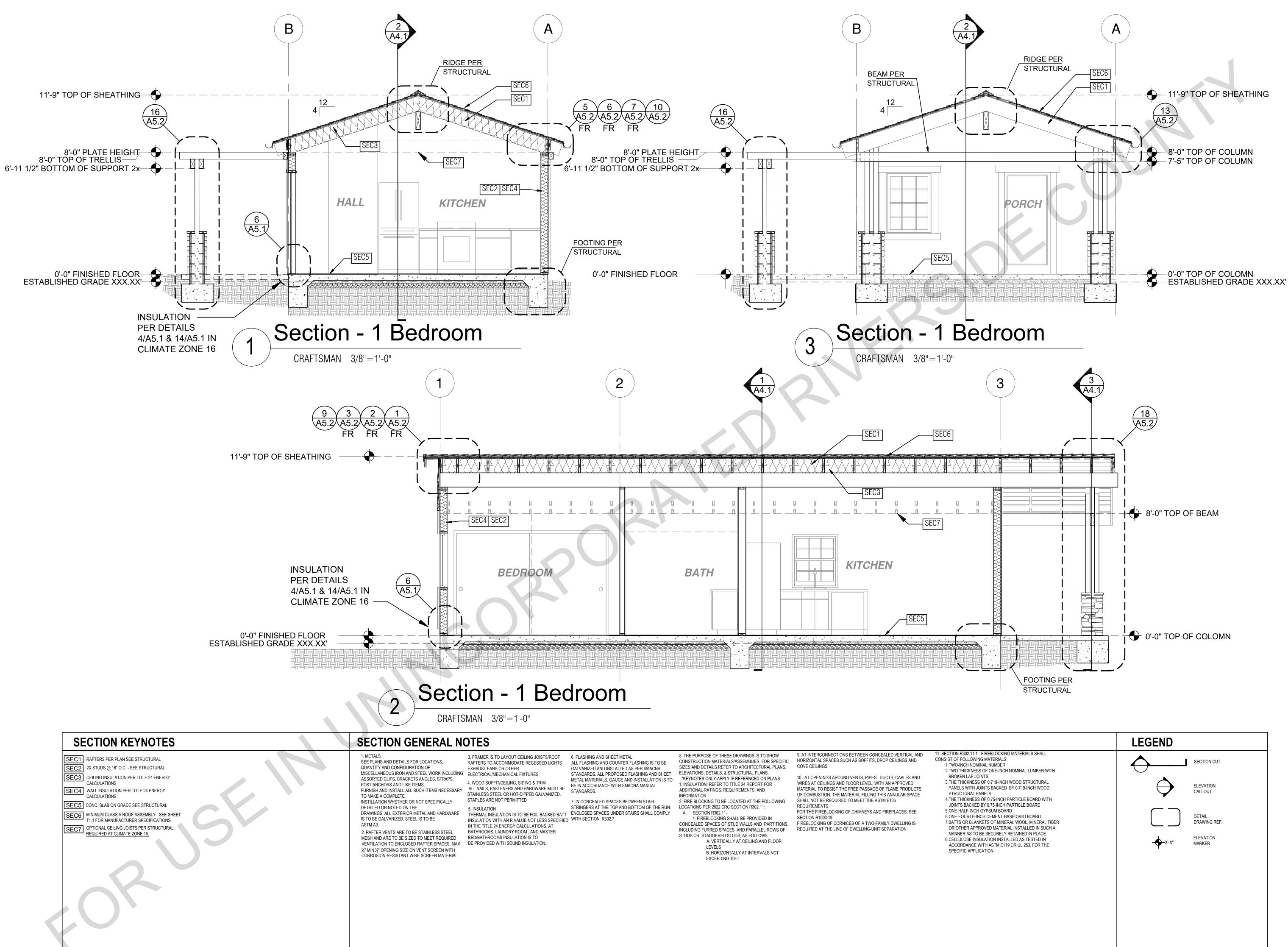
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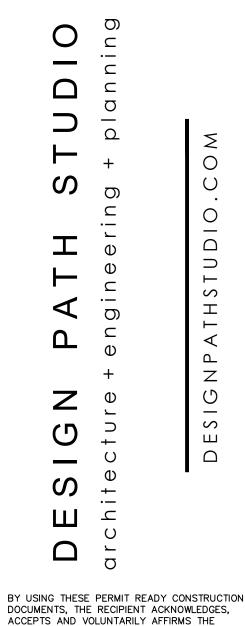
# description Exterior Elevations 1 Bedroom Traditional 20 January 2025 date

project no. RIVERSIDE ADU

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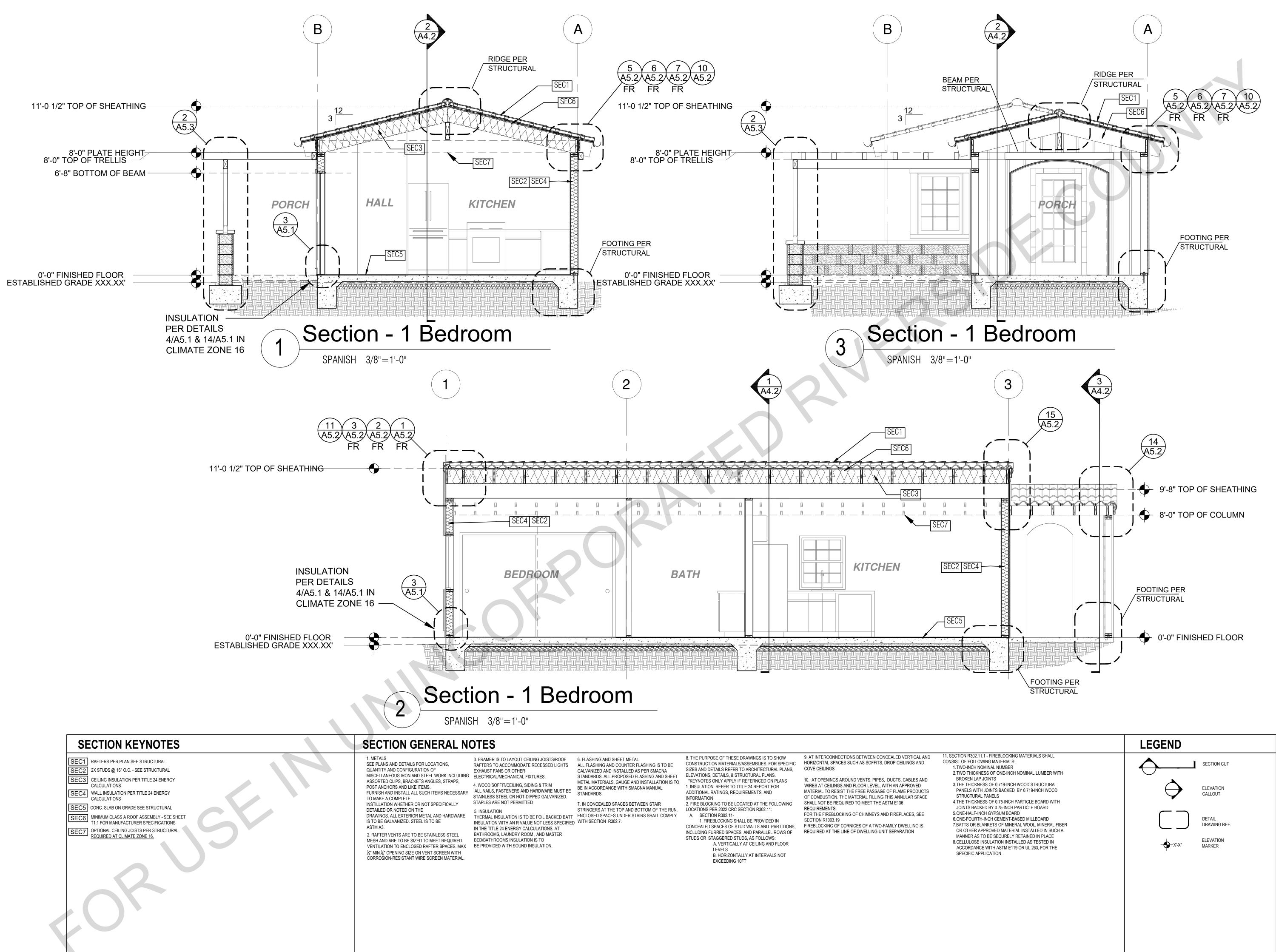
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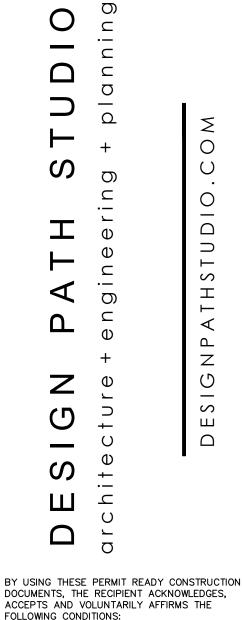
County of Riverside Pre-Approved ADU Program

revisions 

# description Sections 1 Bedroom Craftsman

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
| sheet no.   |                    |





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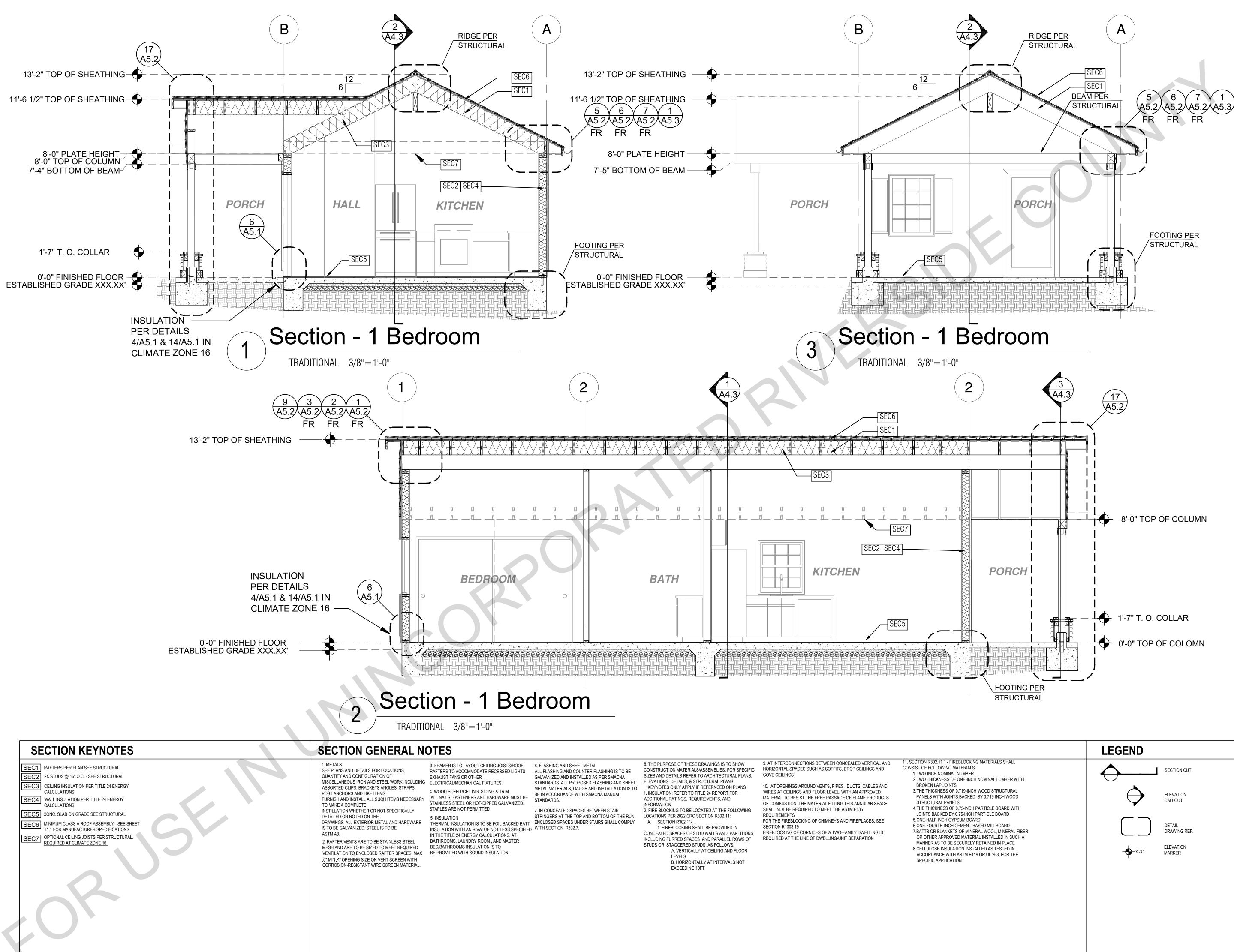
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# description Sections 1 Bedroom Spanish

| date        | 20 January 2025    |
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| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
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|                                                                                                                                                                                                                   | LEGEND                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| LOCKING MATERIALS SHALL<br>ERIALS:<br>JMBER<br>NE-INCH NOMINAL LUMBER WITH                                                                                                                                        | SECTION CUT            |
| 19-INCH WOOD STRUCTURAL<br>ACKED BY 0.719-INCH WOOD                                                                                                                                                               | ELEVATION<br>CALLOUT   |
| 5-INCH PARTICLE BOARD WITH<br>5-INCH PARTICLE BOARD<br>JM BOARD<br>MENT-BASED MILLBOARD<br>DF MINERAL WOOL, MINERAL FIBER<br>MATERIAL INSTALLED IN SUCH A<br>CURELY RETAINED IN PLACE<br>N INSTALLED AS TESTED IN | DETAIL<br>DRAWING REF. |
| STM E119 OR UL 263, FOR THE                                                                                                                                                                                       | - Y-X" MARKER          |
|                                                                                                                                                                                                                   |                        |
|                                                                                                                                                                                                                   |                        |
|                                                                                                                                                                                                                   |                        |



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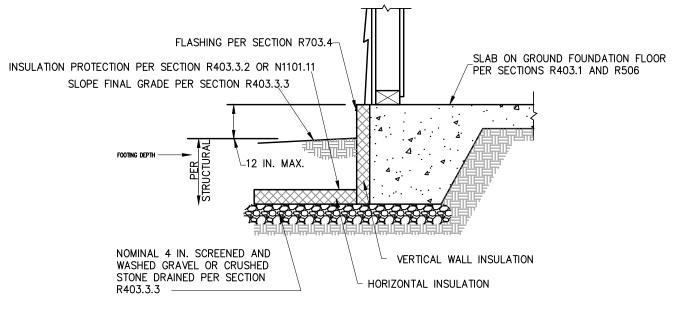
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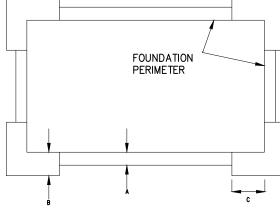
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# description Sections 1 Bedroom Traditional

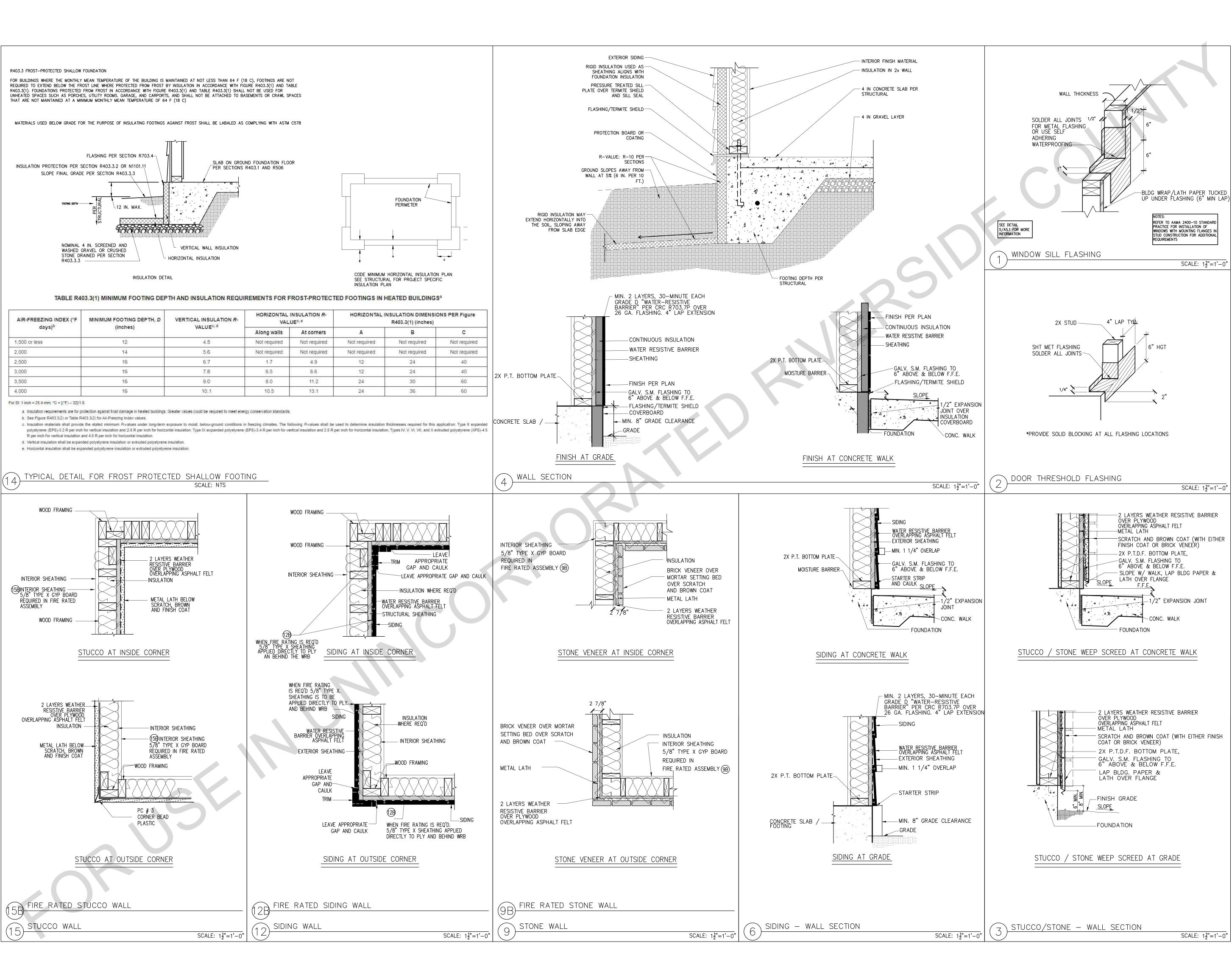
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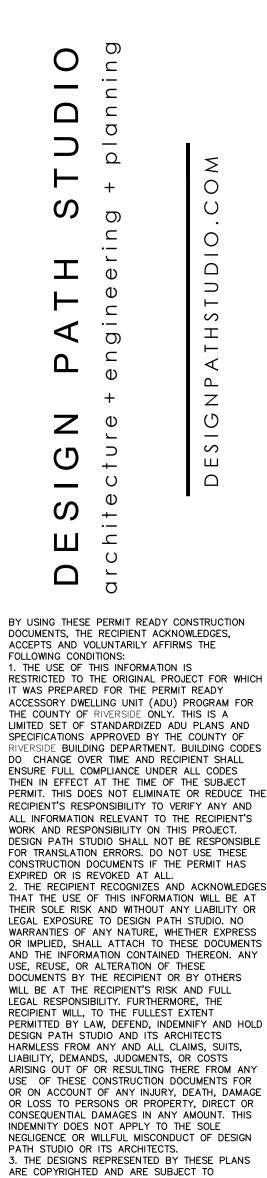
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| AIR-FREEZING INDEX (°F | MINIMUM FOOTING DEPTH, D | VERTICAL INSULATION R- |              | INSULATION R- | HORIZONTAL INSULATION DIMENSIONS PER Fig<br>R403.3(1) (inches) |              |         |
|------------------------|--------------------------|------------------------|--------------|---------------|----------------------------------------------------------------|--------------|---------|
| days) <sup>b</sup>     | (inches)                 | VALUE <sup>c, d</sup>  | Along walls  | At corners    | А                                                              | В            | с       |
| 1,500 or less          | 12                       | 4.5                    | Not required | Not required  | Not required                                                   | Not required | Not rec |
| 2,000                  | 14                       | 5.6                    | Not required | Not required  | Not required                                                   | Not required | Not rec |
| 2,500                  | 16                       | 6.7                    | 1.7          | 4.9           | 12                                                             | 24           | 4(      |
| 3,000                  | 16                       | 7.8                    | 6.5          | 8.6           | 12                                                             | 24           | 40      |
| 3,500                  | 16                       | 9.0                    | 8.0          | 11.2          | 24                                                             | 30           | 60      |
| 4,000                  | 16                       | 10_1                   | 10.5         | 13.1          | 24                                                             | 36           | 6(      |





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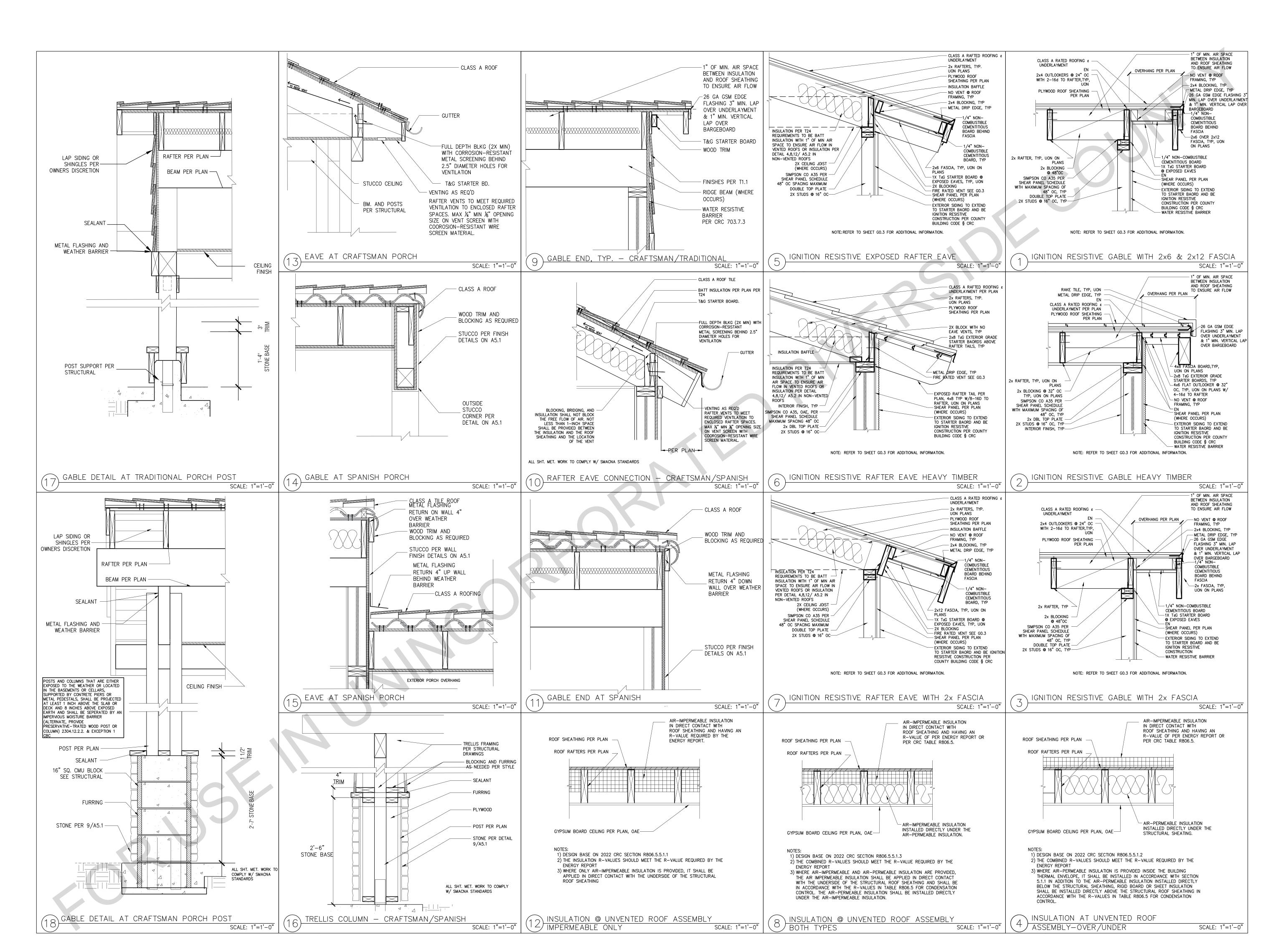
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County of Riverside Pre-Approved ADU Program

description Architectural Details

| date        | 20 January 2025    |
|-------------|--------------------|
|             |                    |
| project no. | RIVERSIDE ADU      |
|             |                    |
| drawn by    | DESIGN PATH STUDIO |
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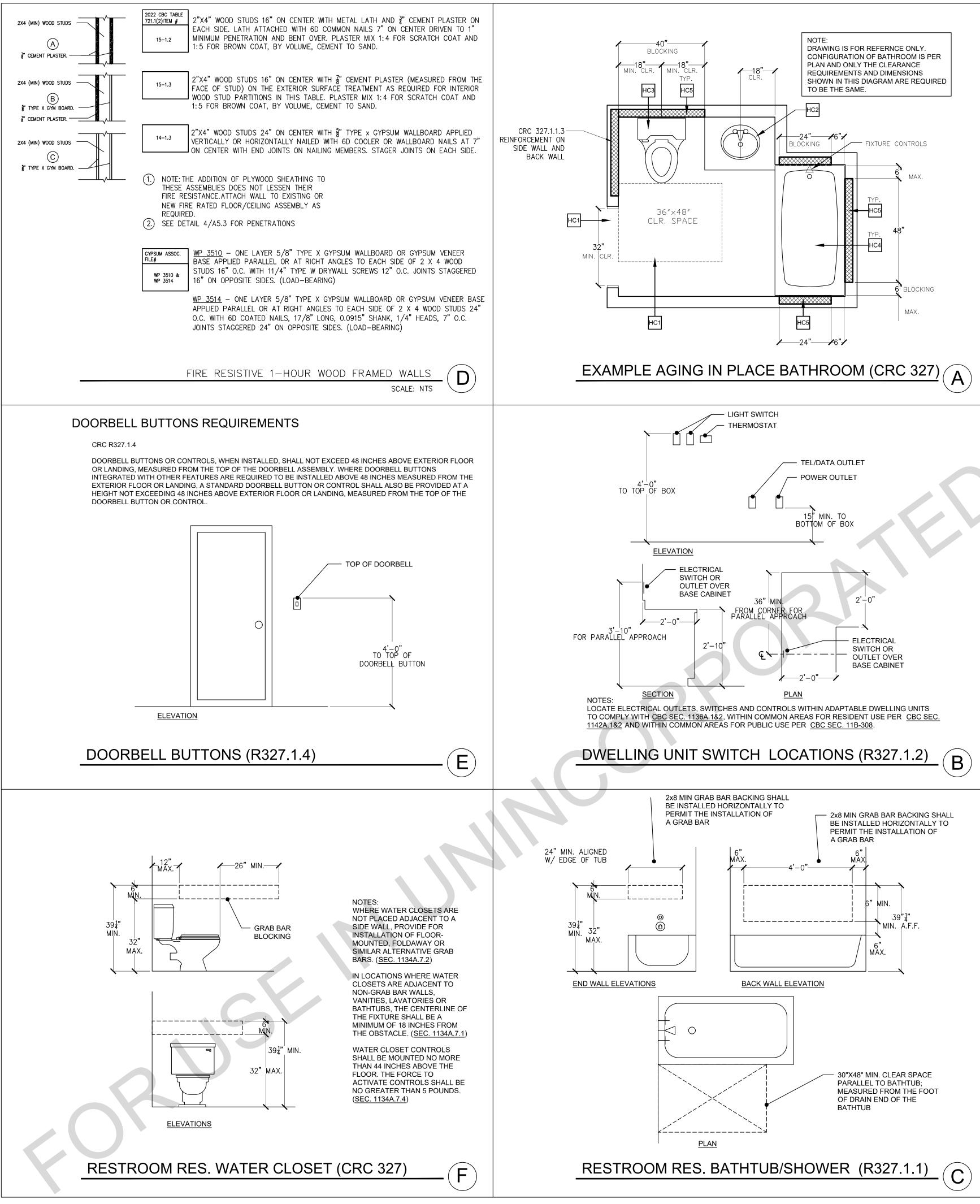
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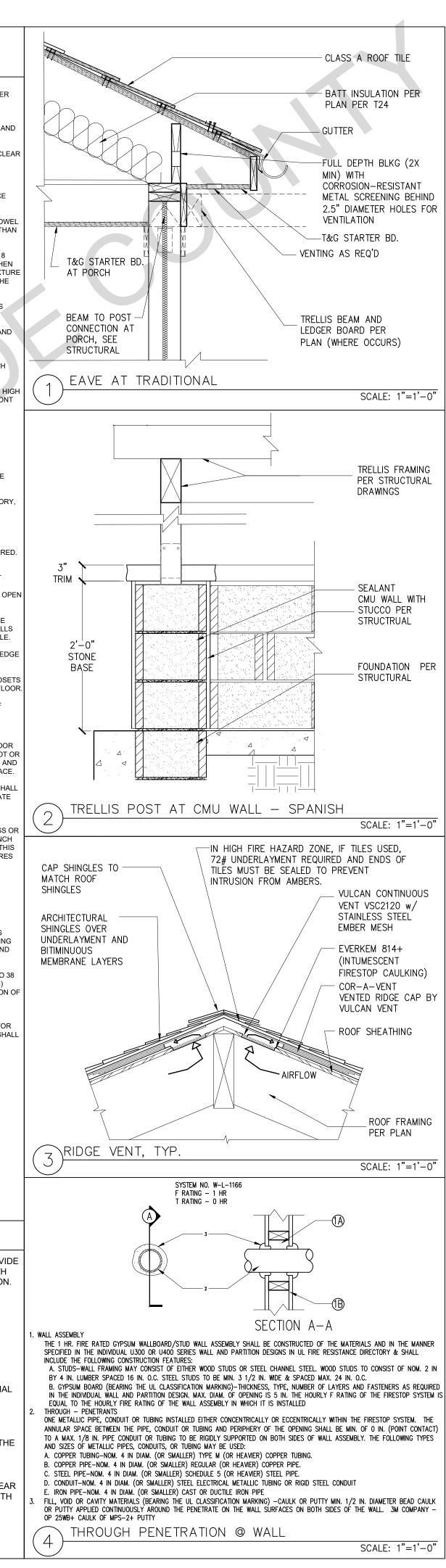
# Architectural Details

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| date        | 20 January 2025    |
| project no. | RIVERSIDE ADU      |
| drawn by    |                    |
| drawn by    | DESIGN PATH STUDIO |
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|                  | ADAPTABLE BATHING AND TOILET FACILITIES OR POWDER ROOMS SHALL PROVIDE A SUFFICIENT<br>MANEUVERING SPACE, AT LEAST 30 INCHES BY 48 INCHES, FOR A PERSON USING A WHEELCHAIR OR OTHER<br>MOBILITY AID TO ENTER AND CLOSE THE DOOR, USE THE FIXTURES, REOPEN THE DOOR AND EXIT. THE                                                                                                                                                                                                                                                             |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -                | MANEUVERING SPACE MAY INCLUDE ANY KNEE SPACE OR TOE SPACE.<br>IF A DOOR IS PROVIDED TO A BATHROOM OR POWDER ROOM, IT SHALL HAVE MANEUVERING CLEARANCE AND<br>STRIKE EDGE DISTANCES.                                                                                                                                                                                                                                                                                                                                                         |
|                  | THE MINIMUM FLOOR SPACE PROVIDED AT A WATER CLOSET SHALL BE 48 INCHES IN CLEAR WIDTH. THE CLEA<br>FLOOR SPACE SHALL EXTEND PAST THE FRONT EDGE OF THE WATER CLOSET AT LEAST 36 INCHES.                                                                                                                                                                                                                                                                                                                                                      |
|                  | THE MINIMUM HEIGHT OF WATER CLOSET SEATS SHALL BE 15 INCHES ABOVE THE FLOOR.<br>WATER CLOSET CONTROLS SHALL BE MOUNTED NO MORE THAN 44 INCHES ABOVE THE FLOOR THE FORCE<br>REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUND-FORCE (22.2 N).                                                                                                                                                                                                                                                                                   |
|                  | BATHROOMS OR POWDER ROOMS THAT WOULD LIKE TO BE MANEUVERABLE SHALL HAVE MIRRORS OR TOWE<br>FIXTURES PROVIDED, AT LEAST ONE OF EACH SHALL BE MOUNTED WITH THE BOTTOM EDGE NO HIGHER THAT                                                                                                                                                                                                                                                                                                                                                     |
|                  | 40 INCHES (1016 MM) FROM THE FLOOR.<br>VANITIES AND LAVATORIES SHALL BE INSTALLED WITH THE CENTERLINE OF THE FIXTURE A MINIMUM OF 18<br>INCHES HORIZONTALLY FROM AN ADJOINING WALL OR FIXTURE TO ALLOW FOR FORWARD APPROACH. WHEN<br>PARALLEL APPROACH IS PROVIDED, LAVATORIES SHALL BE INSTALLED WITH THE CENTERLINE OF THE FIXTUF<br>A MINIMUM OF 24 INCHES (610 MM) HORIZONTALLY FROM AN ADJOINING WALL OR FIXTURE. THE TOP OF THE<br>FIXTURE RIM SHALL BE A MAXIMUM OF 34 INCHES (864 MM) ABOVE THE FINISHED FLOOR.                     |
|                  | MIRROR AND TOWEL FIXTURES SHALL BE MOUNTED WITH THE BOTTOM EDGE NO HIGHER THAN 40 INCHES FROM THE FLOOR.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                  | A CLEAR MANEUVERING SPACE AT LEAST 30 INCHES BY 48 INCHES SHALL BE PROVIDED AT LAVATORIES AND SHALL BE CENTERED ON THE LAVATORY.                                                                                                                                                                                                                                                                                                                                                                                                            |
|                  | CABINETS UNDER LAVATORIES ARE ACCEPTABLE PROVIDED THE BATHROOM HAS SPACE TO ALLOW A<br>PARALLEL APPROACH BY A PERSON IN A WHEELCHAIR AND THE LAVATORY CABINETS ARE DESIGNED WITH<br>ADAPTABLE KNEE AND TOE SPACE.<br>THE KNEE SPACE SHALL BE AT LEAST 30 INCHES (762 MM) WIDE AND 8 INCHES DEEP, AT LEAST 29 INCHES HIC<br>AT THE FRONT FACE, REDUCING TO NOT LESS THAN 27 INCHES AT A POINT 8 INCHES BACK FROM THE FRONT                                                                                                                   |
|                  | EDGE<br>THE KNEE AND TOE SPACE REQUIRED FOR A SINK SHALL BE PROVIDED BY ONE OF THE FOLLOWING:                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                  | -THE SPACE BENEATH THE LAVATORY SHALL BE LEFT CLEAR AND UNOBSTRUCTED.<br>-ANY CABINET BENEATH THE LAVATORY SHALL BE REMOVABLE WITHOUT THE USE OF<br>SPECIALIZED KNOWLEDGE OR SPECIALIZED TOOLS OR, DOORS TO THE CABINET BENEATH THE<br>LAVATORY SHALL BE REMOVABLE OR OPENABLE TO PROVIDE THE REQUIRED UNOBSTRUCTED KNEE<br>AND TOE SPACE.                                                                                                                                                                                                  |
|                  | THE TOE SPACE.<br>THE TOE SPACE REQUIRED UNDER SINKS SHALL BE AT LEAST 30 INCHES WIDE CENTERED ON THE LAVATORY<br>AT LEAST 17 INCHES DEEP, MEASURED FROM THE FRONT EDGE AND AT LEAST 9 INCHES HIGH FROM THE<br>FLOOR.                                                                                                                                                                                                                                                                                                                       |
|                  | THE FINISHED FLOOR BENEATH THE LAVATORY SHALL BE EXTENDED TO THE WALL. (SEC. 1134A.8)<br>HOT WATER AND DRAIN PIPES EXPOSED UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED                                                                                                                                                                                                                                                                                                                                                         |
|                  | HOT WATER AND DRAIN PIPES EXPOSED UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED<br>THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES (SEC. 1134A.8)<br>FAUCET CONTROLS AND OPERATION MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT<br>REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE<br>CONTROLS SHALL BE NO GREATER THAN 5 POUND-FORCE (22.2 N). SELF CLOSING VALVES SHALL REMAIN OP<br>FOR AT LEAST 10 SECONDS.                                              |
|                  | WATER CLOSETS SHALL BE LOCATED WITHIN BATHROOMS IN A MANNER THAT PERMITS A GRAB BAR TO BE<br>INSTALLED ON ONE SIDE OF THE FIXTURE. IN LOCATIONS WHERE WATER CLOSETS ARE ADJACENT TO WALLS<br>OR BATHTUBS, THE CENTERLINE OF THE FIXTURE SHALL BE A MINIMUM OF 18 INCHES FROM THE OBSTACLE.<br>THE OTHER (NON GRAB BAR) SIDE OF THE WATER CLOSET SHALL BE A MINIMUM OF 18 INCHES FROM THE<br>CENTERLINE OF THE FIXTURE TO THE FINISHED SURFACE OF ADJOINING WALLS, VANITIES OR FROM THE EDG<br>OF A LAVATORY.                                |
|                  | PROVIDE NOMINAL 6 INCH HIGH REINFORCEMENT ON BOTH SIDES OR ONE SIDE AND REAR OF WATER CLOSE<br>PLACED ADJACENT TO A SIDE WALL. INSTALL REINFORCEMENT BETWEEN 32 AND 38 INCHES ABOVE THE FLOO<br>REAR BACKING SHALL BE AT LEAST 40 INCHES LONG. SIDE REINFORCEMENT SHALL BE A MAXIMUM OF 12<br>INCHES FROM THE REAR WALL EXTENDING A MINIMUM OF 26 INCHES IN FRONT OF THE WATER CLOSET. IF<br>WATER CLOSETS ARE NOT PLACED ADJACENT TO A SIDE WALL, PROVIDE FOR INSTALLATION OF<br>FLOOR-MOUNTED, FOLDAWAY OR SIMILAR ALTERNATIVE GRAB BARS. |
|                  | ON THE SIDE OF A BATHTUB OR BATHTUB-SHOWER COMBINATION THERE SHALL BE A MINIMUM CLEAR FLOOR<br>SPACE 48 INCHES PARALLEL BY 30 INCHES PERPENDICULAR (1219 MM BY 762 MM) (MEASURED AT THE FOOT O<br>DRAIN END OF THE BATHTUB) TO PROVIDE FOR THE MANEUVERING OF A WHEELCHAIR AND TRANSFER TO AN                                                                                                                                                                                                                                               |
|                  | FROM THE BATHING FACILITY. THE AREA UNDER A LAVATORY MAY BE INCLUDED IN THE CLEAR FLOOR SPACE<br>BATHTUB FAUCET CONTROLS AND OPERATION MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHAL<br>NOT REQUIRE FIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE<br>CONTROLS SHALL BE NO GREATER THAN 5 POUND-FORCE (22.2 N). LEVER OPERATED, PUSH-TYPE AND<br>ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS.                                                                          |
| E<br>A<br>V<br>F | BATHTUB OR SHOWER ENCLOSURES IF PROVIDED, SHALL BE FULLY TEMPERED, LAMINATED SAFETY GLASS O<br>APPROVED PLASTIC. WHEN GLASS IS USED, IT SHALL HAVE MINIMUM THICKNESS OF NOT LESS THAN 1/8 INCH<br>WHEN FULLY TEMPERED, OR 1/4 INCH WHEN LAMINATED, AND SHALL PASS THE TEST REQUIREMENTS OF THIS<br>PART, CHAPTER 24 GLASS AND GLAZING. PLASTICS USED IN DOORS AND PANELS OF SHOWERS ENCLOSURES<br>SHALL BE OF A SHATTER-RESISTANT TYPE. HINGED SHOWER DOORS SHALL OPEN OUTWARD.                                                             |
| F<br>F<br>(      | FAUCET CONTROLS AND OPERATION MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT<br>REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE<br>CONTROLS SHALL BE NO GREATER THAN 5 POUND-FORCE (22.2 N). LEVER OPERATED, PUSH-TYPE AND<br>ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS.                                                                                                                                                                                  |
|                  | INSTALL GRAB BAR REINFORCEMENTS AT EACH END OF A BATHTUB, 32 TO 38 INCHES ABOVE THE FLOOR,<br>STARTING AT THE FRONT FACE OF THE TUB EXTENDING 24 INCHES MINIMUM TO THE BACK FOR BATHTUBS<br>WITH SURROUNDING WALLS. PROVIDE GRAB BAR REINFORCEMENTS AT THE BATHTUB BACK WALL STARTING<br>WITHIN 6 INCHES ABOVE THE BATHTUB RIM, EXTENDING UP TO AT LEAST 38 INCHES ABOVE THE FLOOR, AND<br>EXTENDING HORIZONTALLY TO WITHIN 6 INCHES OF THE END WALLS.                                                                                      |
|                  | GRAB BAR REINFORCEMENT SHALL BE INSTALLED CONTINUOUS IN THE WALLS OF SHOWERS 32 INCHES TO 38 INCHES ABOVE THE FLOOR. THE GRAB BAR REINFORCEMENT SHALL BE A MINIMUM OF 6 INCHES (152.4 MM) NOMINAL IN HEIGHT. GLASS-WALLED SHOWER STALLS SHALL PROVIDE REINFORCEMENT FOR INSTALLATION OF FLOOR-MOUNTED OR CEILING-MOUNTED GRAB BARS.                                                                                                                                                                                                         |
|                  | ELECTRICAL RECEPTACLES, SWITCHES, CONTROLS: IF THE REACH FOR A SWITCH OR OUTLET IS OVER AN OBSTRUCTION BETWEEN 20 AND 25 INCHES IN DEPTH, THE MAXIMUM HEIGHT IS REDUCED TO 44 INCHES FOR SIDE APPROACH PROVIDED THE OBSTRUCTION IS NO MORE THAN 24 INCHES IN DEPTH. OBSTRUCTIONS SHAI NOT EXTEND MORE THAN 25 INCHES FROM THE WALL BENEATH A CONTROL.                                                                                                                                                                                       |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                  | IANEUVERING BATHROOM KEYNOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                  | AT LEAST ONE BATHROOM AND ONE BEDROOM ON THE ENTRY LEVEL SHALL PROVID<br>A DOORWAY WITH A NET CLEAR OPENING OF NOT LESS THAN 32", MEASURED WITH                                                                                                                                                                                                                                                                                                                                                                                             |
|                  | THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM THE CLOSED POSITION.<br>MANEUVERABLE LAVATORY PER PLAN W/ A REMOVABLE BASE CABINET. FOR<br>LAVATORY ACCESSIBILITY REQUIREMENTS SEE NOTES UNDER THE "RESIDENTIAL<br>UNIT MANEUVERING BATHROOM NOTES."                                                                                                                                                                                                                                                                                     |
| (                | MANEUVERABLE WATER CLOSET PER PLAN. FOR WATER CLOSET ACCESSIBILITY<br>REQUIREMENTS SEE NOTES UNDER THE "RESIDENTIAL UNIT MANEUVERING                                                                                                                                                                                                                                                                                                                                                                                                        |
|                  | <ul> <li>BATHROOM NOTES."</li> <li>MANEUVERABLE 60"L (MIN.) TUB/SHOWER COMBINATION PER PLAN. FOR<br/>TUB/SHOWER ACCESSIBILITY REQUIREMENTS SEE NOTES UNDER THE "RESIDENTIAL<br/>UNIT MANEUVERING BATHROOM NOTES."</li> </ul>                                                                                                                                                                                                                                                                                                                |
|                  | C5 REINFORCED 2x8 BLOCKING IN WALL FOR FUTURE GRAB BARS. (CRC R327.1.1.2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| -<br>            | MINIMUM 48"x36" CLEAR MANEUVERING SPACE PERPENDICULAR TO THE SIDE OF THE<br>BATHTUB/SHOWER COMBO FLUSH AT THE FOOT OF THE TUB/SHOWER WALL WITH<br>CONTROLS.                                                                                                                                                                                                                                                                                                                                                                                 |
|                  | C7 MINIMUM 48"x30" CLEAR MANEUVERING SPACE CENTERED AT THE LAVATORY. CLEAF SPACE SHALL BE ALLOWED TO ENCROACH THE UNDERSIDE OF THE LAVATORY WITH                                                                                                                                                                                                                                                                                                                                                                                            |

A REMOVABLE BASE CABINET



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project

County of Riverside Pre-Approved ADU Program

revisions /01

description Architectural Details

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
| sheet no.   | \5.3               |

|      |                                                                             |                                                                                                                   | N CONSTRUCT                                                                                                                                                                   |                                                    |        | WOOD FRAMING CONSTRUCTION (C<br>TYPICAL SHEAR TRANSFER:                                                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 201. | CONCRETE STRENGTH SHALL<br>ON THE PLANS.                                    | L BE NO LESS THAN 2,500 F                                                                                         | PSI @ 28 DAYS, OR HIGHER STREN                                                                                                                                                | IGTH IF NOTED                                      |        | ROOF TO WALL: CONNECT ROOF FRAMING TO TOP PLATE W/ SIMPSON OR A35 OR RBC @ 24" O/C OR PER SHEAR TRANSFER DETAILS.                                                                                                                                                                                                   |
| 202. | SLAB REINFORCEMENT & FOO                                                    | OTINGS SHALL BE PER STR                                                                                           | UCTURAL DETAILS ON SHEET S5                                                                                                                                                   | , CENTERED IN SLAB.                                |        | SILL PLATE ANCHORS:                                                                                                                                                                                                                                                                                                 |
| 203. | REINFORCING BARS TO B                                                       | BE GRADE 40 FOR #3 BAR                                                                                            | RS, GRADE 60 FOR #4 BARS &                                                                                                                                                    | LARGER                                             | 306.   | GROUND FLOOR / SLAB ON GRADE WALLS: PROVIDE 2X (MIN.) PTDF SIL<br>SEE CONCRETE FOUNDATION CONSTRUCTION NOTES 206, 207 & 208 FC                                                                                                                                                                                      |
|      | PROVIDE WEAKENED PLA<br>14'-0" O/C MAX.                                     | NE JOINTS FOR CRACK                                                                                               | CONTROL (SAWCUT OR TOO                                                                                                                                                        | LED JOINT) AT                                      |        | BOLTS. AT INTERIOR NON-SHEAR CONDITIONS, 0.145 SHOT PIN ANCHO<br>MAY BE USED TO CONNECT PARTITIONS AND BEARING WALLS TO SLAB                                                                                                                                                                                        |
|      | ALL SHEARWALL ANCHO<br>WASHER MAY BE DIAGON<br>PROVIDED THAT A STAND        | OR BOLTS SHALL RECEI<br>NALLY SLOTTED (WIDTH<br>DARD CUT WASHER IS U                                              | NS SHALL BE PER THE SHEAT<br>VE A 3" SQUARE X 0.229" THIC<br>>= BOLT DIAMETER + $\frac{3}{16}$ ", LEN<br>SED ON TOP OF THE SQUARE<br>N. OF 1 $\frac{3}{4}$ " FROM THE EDGE OI | K WASHER. THE<br>GTH<=1 <sup>3</sup> ")<br>WASHER. |        | ALL WOOD SILL PLATES AND ALL WOOD MEMBERS DIRECTLY AGAINS'<br>MASONRY SHALL BE FOUNDATION GRADE REDWOOD SILLS OR PTDF S<br>SODIUM BORATE (SBX/DOT) WHEN INSTALLED IN A DRY OR ENCLOSED<br>(SODIUM BORATE TREATMENT DOES NOT REQUIRE CORROSION RESIS)<br>IF OTHER TREATMENTS ARE USED, SEE NOTE 309.                 |
| 206. | EMBEDDED SILL ANCHOR<br>§ " DIA. MIN. ANCHOR BOL<br>EXCEED 48 INCHES O/C. I | R BOLTS AT TYPICAL NO<br>TS WITH A STANDARD O<br>LOCATE AN ANCHOR BO                                              | DN-SHEARWALL CONDITIONS<br>CUT WASHER. SPACING SHAL<br>DLT NOT MORE THAN 9 INCHES<br>SILL SHALL HAVE (2) SILL BO                                                              | SHALL BE<br>L NOT<br>S, OR                         | 308.   | FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD:<br>ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED LU<br>ACQ-C, ACQ-D, CA-B, AND CBA-A WITHOUT AMMONIA SHALL BE GALVAN<br>ASTM A153.<br>ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED LU                                                       |
| 207. |                                                                             |                                                                                                                   | 7 INCHES INTO CONCRETE.<br>EDDED 5 INCHES MIN. INTO FI                                                                                                                        |                                                    |        | ACQ-C, ACQ-D, CA-B, AND CBA-A WITH AMMONIA SHALL BE TYPE 303, 3<br>OR 316 STAINLESS STEEL.                                                                                                                                                                                                                          |
| 208. | SEE WOOD FRAMING CON                                                        | NSTRUCTION NOTES FO                                                                                               | R ALTERNATE SILL ANCHORA                                                                                                                                                      | AGE.                                               |        | WHERE PRESSURE TREATED LUMBER IS INSTALLED IN AN EXTERIOR W<br>ALL NAILS AND FASTENERS IN CONTACT WITH THE PRESSURE TREATE                                                                                                                                                                                          |
| 209. | ALL HOLDOWNS SHALL E                                                        |                                                                                                                   | DIM AS SHOWN IN DETAIL S5 F                                                                                                                                                   | ROM                                                | 309.   | TYPE 303, 304, 305, OR 316 STAINLESS STEEL.<br>RE-TIGHTEN ALL HOLDOWN ANCHORS JUST PRIOR TO COVERING THE                                                                                                                                                                                                            |
|      |                                                                             | TO CONSTRUCTION. IM                                                                                               | DRAWINGS. SUBCONTRACT<br>MEDIATELY NOTIFY HOMEOW<br>YPICAL.                                                                                                                   |                                                    |        | ENGINEERED BEAMS ARE AS FOLLOWS:<br>"PSL" REFERS TO PARALLEL STRAND LUMBER (E=2.0, FB=2900).                                                                                                                                                                                                                        |
|      |                                                                             |                                                                                                                   | STEM PER ARTICLE 250.52 N.I                                                                                                                                                   | E.C.                                               |        | "LSL" REFERS TO LAMINATED STRAND LUMBER (E=1.55, FB=2325).<br>(E=1.3 & FB=1700 AT LSL CONDITIONS WITH D (DEPTH) < 9" )<br>"LVL" REFERS TO LAMINATED VENEER LUMBER (E=2.0, FB=2800).                                                                                                                                 |
| 212. | ALL SURROUNDING FLAT<br>AMOUNT TO BE POURED.                                |                                                                                                                   | FIED WITH HOMEOWNER FOR                                                                                                                                                       | LOCATION AND                                       |        | "GLB" REFERS TO LAMINATED VENEER LOMBER (E=2.0, PB=2000).<br>"GLB" REFERS TO 24F-1.8E GLU-LAM WITH STANDARD CAMBER, U.N.O.<br>"IJC" ENGINEERED GLU-LAM BEAM MAY BE USED UPON ENGINEER APPF<br>AN A.I.T.C CERTIFICATE OF COMPLIANCE ISSUED BY A CURRENT ICC                                                          |
| 213. |                                                                             |                                                                                                                   | LOW. AT EPOXY ANCHORS US                                                                                                                                                      |                                                    |        | APPROVED QUALITY CONTROL AGENCY FOR GLUED LAMINATED WOOL<br>SHALL BE GIVEN TO THE BUILDING INSPECTOR PRIOR TO INSTALLATIO                                                                                                                                                                                           |
|      | <u>MISPLACED HOLDOWN</u><br>HDU2<br>HDU4<br>HDU5                            | RETROFIT BOLT<br>5/8" ALL-THREAD, EMBE<br>5/8" ALL-THREAD, EMBE<br>5/8" ALL-THREAD, EMBE<br>7/8" ALL-THREAD, EMBE | MIN EDGE DISTANCE           ED 6"         2"           ED 6"         4.5"           ED 9"         6"                                                                          |                                                    | 311.   | LUMBER SPECIFICATIONS:<br>ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH. STUDS, PLATE<br>2X4 FRAMING LUMBER NOT LISTED BELOW<br>92-1/4", 104-1/4", & 116-1/4" 2X4 STUDS<br>2X4 STUDS OVER 10'<br>STUD GRADE OR BETTER                                                                                               |
| 214  | HDU11<br>RETROFIT 5/8 "EMBEDDED                                             | 1" ALL-THREAD, EMBED                                                                                              |                                                                                                                                                                               | HDU11                                              |        | 2X4 SILLS & PLATES#2 OR BETTER2X6 STUDS, SILLS, & PLATES#2 OR BETTER4X4 STUDS & POSTS\$TANDARD OR BETTER4X4 STUDS & POSTS\$TANDARD OR BETTER                                                                                                                                                                        |
| 217. | 8                                                                           | SET-XP EPOXY PER SIN                                                                                              | $\frac{\text{IPSON'S INSTALLATION REQU}}{\frac{\text{REPLACEMENT}}{\frac{5}{8}}$ " ALL-THREAD, EPOXY, EM                                                                      | <br>BED 3"                                         |        | 4X6, 6X6, & LARGER STUDS & POSTS#1 OR BETTER4X4, 4X6 BEAMS & HEADERS#2 OR BETTER4X8, 4X10, 4X12, 4X14 BEAMS & HEADERS#1 OR BETTER6X4 BEAMS & HEADERS#2 OR BETTER                                                                                                                                                    |
|      | INTERIOR > 6," EDGE DIS                                                     | T. SHEARWALL OR                                                                                                   | OR $\frac{5}{8}$ " TITEN HD, EMBED $5\frac{1}{2}$ "                                                                                                                           |                                                    |        | 6X6 & LARGER BEAM & HEADERS#1 OR BETTER2X10 AND LARGER RAFTERS AND JOISTS#1 OR BETTER                                                                                                                                                                                                                               |
|      | ANY OTHER                                                                   | NON-SHEAR<br>NON-SHEAR                                                                                            | $\frac{5}{8}$ " TITEN HD, EMBED $5\frac{1}{2}$ " MIN<br>0.145 DIA. SHOT PINS SPACE<br>APART ON SILL. (2) FOR EAC<br>ANCHOR BOLT. MAX. OF (6)                                  | ED 4 INCHES<br>CH MISSING                          |        | HOLES, CUTOUTS, AND NOTCHES IN FRAMING MEMBERS:<br>BY VIRTUE OF CODE COMPLIANCE WITH ELECTRICAL AND PLUMBING CO<br>AND NOTCHES WILL INEVITABLY BE MADE IN FRAMING MEMBERS. THE O<br>RECOGNIZES AND APPROVES VARIOUS HOLES AND NOTCHES WITHOUT<br>JUSTIFICATION IN CBC SECTION 2308.8.2. ENGINEERED (PSL, LSL) RECT. |
| 215. | DOCUMENTATION IN WRIT<br>A) THE PAD WAS PREPA                               | TING FOR THE FOLLOWI<br>ARED IN ACCORDANCE                                                                        | EVERY 6 FT.<br>OUNDATION INSPECTION, HAV<br>NG:<br>WITH THE SITE REQUIREMEN                                                                                                   |                                                    |        | LUMBER BEAMS BEHAVE LIKE ANY OTHER RECTANGULAR SHAPE WHEN<br>BORED, SO THE ENGINEER OR ARCHITECT MAY SPECIFY LIMITS WITHOU<br>APPROVAL OTHER HOLES AND NOTCHES ARE ALLOWED AS NOTED BELO                                                                                                                            |
|      | C) THE FOUNDATION EX                                                        | IES HAVE BEEN PROPEF<br>(CAVATIONS, EXPANSIV                                                                      | RLY BACKFILLED & COMPACTE<br>E CHARACTERISTICS AND BE<br>IVERSIDE RECOMMENDATION                                                                                              | ARING                                              |        | PSL AND LVL BEAMS: A HOLE 1 INCH IN DIAMETER CAN BE DRILLED ANY<br>AND A 2 INCH DIA. HOLE CAN BE DRILLED IN THE MIDDLE THIRD OF THE<br>THE MIDDLE THIRD OF THE DEPTH OF THE BEAM FOR ANY PSL OR LVL B<br>EXCEPT CANTILEVERED BEAMS AND BEAMS SUPPORTING CONCENTRAT                                                  |
|      | A FOUNDATION INSPECTION                                                     | ON.                                                                                                               | E TIED IN PLACE PRIOR TO CA                                                                                                                                                   | LLING FOR                                          |        | HOLES IN THOSE CONDITIONS REQUIRE APPROVAL IN WRITING FROM T<br>PSL AND LVL BEAMS: A RAKE CUT (TAPER) AT THE TOP OF THE BEAM AT                                                                                                                                                                                     |
|      | ROOFING MATERIALS SHA                                                       |                                                                                                                   |                                                                                                                                                                               |                                                    | -      | END OF THE SUPPORT IS ALLOWED IF NOTED ON PLANS, TO A<br>MINIMUM OF 4-3/8" AT INSIDE FACE OF SUPPORT. RAKE CUT (TAPER) TH<br>RESULTS IN A DEPTH AT THE INSIDE FACE OF THE SUPPORT OF 2/3RDS                                                                                                                         |
|      | ROOF SHEATHING SHALL<br>WITH EXTERIOR GLUE, OF                              | . BE $\frac{19}{32}$ " OR $\frac{5}{8}$ " C-D GRAE<br>R OSB PANELS. IDENTIF                                       | DE, INTERIOR TYPE PLYWOOD<br>FICATION INDEX (24/0) W/ 10D<br>GES AND ALL INTERIOR SUPP                                                                                        |                                                    |        | BEAM DEPTH IS ALLOWED AT CONDITIONS NOT SPECIFIED. OTHER TAPI<br>ENDS AND SQUARE NOTCHES IN TOP OR BOTTOM FACE REQUIRE APPR<br>WRITING FROM THE ENGINEER OR ARCHITECT.                                                                                                                                              |
|      | -                                                                           | -                                                                                                                 | PPORTS. SEE DETAILS FOR S                                                                                                                                                     |                                                    |        | STUDS AND PLATES: SEE STRUCTURAL DETAILS 14 & 15 ON SHEET S5 F AND BORING.                                                                                                                                                                                                                                          |
| 302. | WALLBOARD W/ 5D COOL<br>BOTTOM PLATES (UNBLO                                | HERE DRYWALL IS SPEC<br>ER NAILS OR EQUAL @<br>ICKED) AT INTERIOR SID                                             | CIFIED, PROVIDE MIN. 5" GYPS<br>6" O/C TO ALL STUDS AND TO<br>E OF EXTERIOR WALLS AND A                                                                                       | D TOP &                                            | -      | PROVIDE 2X4 TRIMMER & 2X4 KING STUD EACH END OF EACH 4X DROPPE<br>OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 4X10 OR LARGER. F<br>TRIMMERS AT EACH 3-1/2 X 7-1/2 PSL OR LSL OR LARGER.                                                                                                                              |
|      |                                                                             | EE PLANS. WHERE "STU                                                                                              | CCO" IS SPECIFIED PROVIDE                                                                                                                                                     | 0                                                  | (      | PROVIDE 2X6 TRIMMER & 2X6 KING STUD EACH END OF EACH 6X DROPPE<br>OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 6X8 OR LARGER. PR<br>TRIMMERS AT EACH 5-1/4 X 7-1/2 PSL OR LSL OR LARGER.                                                                                                                              |
|      |                                                                             | STUDS AND TOP AND B<br>$\frac{7}{6}$ " STAPLES @ 6" O/C OF                                                        |                                                                                                                                                                               |                                                    | 316. F | PROVIDE DOUBLE KING STUDS AT ALL OPENINGS 8'-1" WIDE AND WIDER                                                                                                                                                                                                                                                      |
| 303. | STRUCTURAL SHEATHIN<br>PLYWOOD ALSO APPLIES                                 | G MAY BE EITHER OSB (<br>TO OSB. SHEATHING (                                                                      | OR PLYWOOD. ANY NOTES RI<br>WOOD STRUCTURAL PANELS)<br>CORDANCE WITH NDS SDPWS                                                                                                | MUST MEET                                          | F      | WHERE BEARING IS ON TOP PLATE. PROVIDE 2X4 STUD WITHIN 3" OF BE<br>PROVIDE (2) 2X STUDS @ 6X OR LSL OR PSL BEAMS.<br>ROOF RAFTERS SHALL BE 2X RAFTERS AS NOTED ON STRUCTURAL DRAY                                                                                                                                   |
| 304. | MIN. @ MINIMUM 4'-0" LAP                                                    | P SPLICES. USE SIMPSC                                                                                             | QUAL TO STUDS BELOW, W/ (8<br>N RPS OR CS16 STRAP EACH                                                                                                                        | ,                                                  |        | EAVES SHALL BE PER ARCHITECTURAL PLANS W/ APPLIED TAILS PER A PLANS. OVERHANG DETAILS ARE NOT SHOWN ON STRUCTURAL PLANS.                                                                                                                                                                                            |
|      | SIDE OR ONE SIDE AND T                                                      | OP WHERE LAP SPLICE                                                                                               | IS NOT POSSIBLE. SEE DETA<br>EAKS AT HEATING, VENTING, /                                                                                                                      | ILS FOR                                            | 320. ( | SEE THE ARCHITECTURAL ROOF PLANS FOR ROOF PITCH AND ADDITION<br>COMBINE AND GROUP PLUMBING VENTS WHENEVER POSSIBLE TO MININ<br>PENETRATIONS.                                                                                                                                                                        |

| CONT.)                               | 3. WOOD FRAMING CONSTRUCTION (CONT.)                                                                                                                                                                                                                                                                                                                            | 6. NAILING SCHEDULE, MINI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N H1 @ 24" O/C                       | 321. WOOD TO WOOD CONNECTORS SHALL BE SIMPSON STRONG TIE OR USP STRUCTURAL<br>CONNECTORS. ALL SPECIFIED CONNECTOR CALL-OUTS ARE SIMPSON CATALOG CALL-OUTS.<br>USP SUBSTITUTIONS SHALL HAVE A CAPACITY EQUAL TO OR GREATER THAN THE SIMPSON<br>CATALOG VALUES. ANY OTHER ICC APPROVED METAL CONNECTOR MAY BE USED UPON<br>APPROVAL BY THE ENGINEER OR ARCHITECT. | BLKNG AT CEILING JOISTS, RAFTERS, OR TRUSSES TO T<br>BLKNG AT CEILING RAFTERS OR TRUSSES NOT AT WALL<br>BLKNG AT CEILING RAFTERS OR TRUSSES NOT AT WALL<br>FLAT BLKNG TO TRUSS AND WEB, F.N.<br>CEILING JOISTS TO TOP PLATE, T.N.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ILL PLATES.<br>FOR ANCHOR            | 322. ICC APPROVED CONNECTORS SHALL BE USED WHERE CONNECTORS ARE SPECIFIED.<br>UNLESS OTHERWISE NOTED, THE FOLLOWING BEAM AND JOIST HANGERS SHALL BE USED:                                                                                                                                                                                                       | CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTER,<br>CEILING JOISTS ATTACHED TO PARALLEL RAFTER (HEEI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ORS @ 32" O/C<br>B.                  | BEAM OR JOIST SIMPSON/USP HANGER<br>I-JOIST FLOOR JOISTS IUS, IUT, OR ITT HANGERS<br>1.75 X LSL AND LVL HU, HUS, OR WPU                                                                                                                                                                                                                                         | COLLAR TIE TO RAFTER, F.N.<br>RAFTER/TRUSS TO TOP PLATE, T.N. PER TABLE 2308.7.3<br>RAFTERS TO RIDGE VALLEY OR HIP; OR FATER TO 2" RI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ST CONCRETE OR                       | 2.69 X PSL AND LVL HU OR HWU                                                                                                                                                                                                                                                                                                                                    | TOENAIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SILLS, TREATED WITH<br>DENVIRONMENT. | 3.5 X PSL AND LVL HHUS OR HWU<br>5.25 X PSL AND LVL HHUS OR HWU                                                                                                                                                                                                                                                                                                 | STUD TO STUD (NOT AT BRACED WALL PANELS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| STANT CONNECTORS.)                   | 7 X PSL AND LVL HHUS OR HWU                                                                                                                                                                                                                                                                                                                                     | STUD TO STUD AT INTERSECTING WALL CORNERS (BRA<br>BUILT-UP HEADER (2" TO 2"), FN EA. EDGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| .UMBER TREATED WITH<br>ANIZED PER    | AT BEAM HANGER CALLOUTS, IE HGUS OR HU BEAMS, THE CALLOUT IS ABBREVIATED.<br>THE HANGER WIDTH MAY BE OMITTED TO ALLOW FLEXIBILITY IN ORDERING. EXAMPLE: 2.69 PSL<br>THE CALLOUT MAY READ HGUS12. AN HGUS2.75/12 OR HGUS412 (WITH FILLERS)<br>ARE APPLICABLE. WHERE HANGERS OFFER (MIN) OR (MAX), NAIL TO APPLY (MAX) LOADS.                                     | CONT. HEADER TO STUD, T.N.<br>TOP PLATE TO TOP PLATE<br>TOP PLATE TO TOP PLATE, AT END JOINTS (EACH SIDE<br>24" MIN LAP SPLICE EA. SIDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| .UMBER TREATED WITH                  | 323. WHERE SHEARWALL LENGTHS ARE SPECIFIED ON THE PLANS, THE LENGTH SHOWN IS A<br>MINIMUM DIMENSION. THE SHEARWALL MAY BE LENGTHENED FOR CONSTRUCTION<br>PURPOSES, BUT SHALL NOT BE REDUCED UNLESS OTHERWISE NOTED. ALL ENGINEERED                                                                                                                              | BOTTOM PLATE TO JOIST, RIM, OR BLKG, FACENAIL<br>UNBRACED WALL: 16" o.c. FN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 304, 305,                            | WOOD PANEL SHEAR (PLYWOOD OR OSB) SHALL BE BLOCKED.                                                                                                                                                                                                                                                                                                             | UNBRACED WALL: 12" o.c. FN<br>BRACED WALL: 16"o.c. FN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| WET ENVIRONMENT,                     | <ul> <li><sup>324.</sup> THE FOLLOWING HOLES IN SHEARWALLS ARE ALLOWED:</li> <li>A) APPROXIMATELY SQUARE HOLES NOTCHED, PUNCHED, OR CUT THAT ARE LESS THAN</li> <li>25 SQ. INCHES</li> </ul>                                                                                                                                                                    | STUD TO TOP OR BOTTOM PLATE<br>TOENAIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ED LUMBER SHALL BE                   | B) APPROXIMATELY SQUARE HOLES CLEAN CUT OR BORED IN SHEARWALLS THAT ARE<br>LESS THAN 64 SQ. INCHES (ONE HOLE PER 4' OF SHEARWALL.)                                                                                                                                                                                                                              | ENDNAIL<br>TOP PLATES, LAPS AT CORNERS AND INTERSECTION, F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| EWALL FRAMING.                       | C) APPROXIMATELY SQUARE HOLES, LESS THAN 64 SQ. INCHES (ONE HOLE PER 8' OF<br>SHEARWALL) WITH ALL EDGES BLOCKED & EDGE NAILED.                                                                                                                                                                                                                                  | 1" BRACE TO EACH STUD AND PLATE, F.N.<br>1"x6" SHEATHING TO EACH BEARING, F.N.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                      | D) HOLES INDIVIDUALLY APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD.<br>325. STUDS SHALL BE SPACED @ 16" O/C MAX. UNLESS OTHERWISE SPECIFIED. USE STUD GRADE                                                                                                                                                                                                  | 1"x8" SHEATHING AND WIDER TO EACH BEARING, F.N.<br>JOIST TO SILL, TOP PLATE, OR GIRDER, T.N.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                      | EXCEPT AT PLATE HEIGHTS HIGHER THAN 10'-0", THEN USE DF#2 OR BETTER                                                                                                                                                                                                                                                                                             | RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, S<br>1"x6" SUBFLOOR OR LESS TO EACH JOIST, F.N.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                      | 326. ALL FINISHES, WATERPROOFING, DRAINAGE, AND FIRE-RELATED ELEMENTS ARE BY THE<br>ARCHITECT OF RECORD AND ARE REQUIRED EVEN THOUGH THEY MAY NOT BE SHOWN                                                                                                                                                                                                      | 2" SUBFLOOR TO JOIST OR GIRDER, F.N. or BLIND<br>2" PLANKS (PLANK & BEAM - FLOOR & ROOF), FACENAIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PROVALS.                             | ON THE STRUCTURAL PLANS AND DETAILS.<br>327. REDWOOD OR PRESSURE-TREATED LUMBER IS TO BE USED AT STRUCTURAL MEMBERS                                                                                                                                                                                                                                             | BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS<br>32" o.c. FN Top & BTTM STAGGERED ON OPPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DD MEMBERS<br>ON.                    | FOR BUILDING, BALCONIES, PORCHES OR SIMILAR APPURTENANCES WHEN EXPOSED TO<br>THE WEATHER WITHOUT ADEQUATE PROTECTION OF A ROOF, EAVE, OVERHANG, OR                                                                                                                                                                                                              | 24" o.c. FN Top & BTTM<br>ENDS & SPLICES, FN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                      | OTHER COVERING TO PREVENT MOISTURE OR WATER ACCUMULATION.<br>4. ICC-ES AND NER APPROVALS                                                                                                                                                                                                                                                                        | LEDGER SUPPORTING JOISTS/RAFTERS<br>JOIST TO BAND OR RIM JOIST, END NAIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ES & BLOCKING:<br>R BETTER           | 400. PLYWOOD AND OSB PANELS: FULL REPORTS FOUND AT:                                                                                                                                                                                                                                                                                                             | BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS<br>WOOD STRUCT. PANELS, SUBFLOOR, ROOF AND INTERI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ER                                   | APA PLYWOOD & OSBESR-2586<br>401. JOISTS AND RAFTERS AND BEAMS:                                                                                                                                                                                                                                                                                                 | PARTICLEBOARD WALL SHEATHING TO FRAMING<br>16d Com or deformed; or 2 <sup>3</sup> / <sub>8</sub> "x.113" nail (subfloor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| R                                    | TRUS-JOIST TJI JOISTS AND PSL, LSL, & LVLICC-ES ESR-1387, 1153,                                                                                                                                                                                                                                                                                                 | 8d Com or deformed (roof) or $2\frac{3}{8}$ " x.113" nail (root)<br>$\frac{3}{8}$ " $\frac{1}{2}$ " 16 Ga Staple, $\frac{7}{16}$ " crown (subfloor and wall)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| R OR #1                              | BOISE CASCADE BCI JOISTS, VERSA-LAM, & VERSA-STRANDICC-ESR-1040, 1336<br>LOUISIANA PACIFIC JOISTS & BEAMSESR-1305, 2403                                                                                                                                                                                                                                         | 2 <sup>3</sup> / <sub>8</sub> " x.113"x.266" head nail (roof)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                      | ROSEBURG JOISTS & BEAMSESR-1210, 1251<br>GLU-LAM BEAMS ESR-1940<br>PACIFIC WOOD TECH - ESR 2909                                                                                                                                                                                                                                                                 | $1\frac{3}{4}$ " 16 Ga Staple, $\frac{7}{16}$ " crown (roof)8d Com or deformed (subfloor and wall) $\frac{19}{32}$ " $\frac{3}{4}$ "8d Com or deformed (roof) or $2\frac{3}{8}$ " x.113" nail (roof)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                      | 402. WOOD CONNECTORS:                                                                                                                                                                                                                                                                                                                                           | $2\frac{3}{8}$ " x.113"x.266" head nail, 2"16 Gage staple, $\frac{7}{16}$ "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                      | SIMPSON CONNECTORSICC-ES ESR #S 1161, 1622, 1866, 2105, 2203, 2236, 2320, 2549, 2551, 2552, 2553, 2330, 2554, 2555, 2604, 2605, 2606, 2607, 2608,                                                                                                                                                                                                               | $\begin{bmatrix} \frac{1}{8}^{-1}\frac{1}{4}^{-1} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CODES, HOLES                         | 2611, 2613, 2614, 2615, 2616, 2877, 2920, 3046<br>IAPMO ER-112, 130, 143, 192, 262                                                                                                                                                                                                                                                                              | $\frac{1}{2}$ b $12^{1}$ x0.120", galvanized roofing nail $(\frac{7}{16}$ " head dia)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| IT ENGINEERING<br>TANGULAR           | USP LUMBER CONNECTORSICC-ES ESR #S 1178, 1280, 1575, 1702, 1781, 1881, 1970, 2104, 2685, 1831, 1465, 2761, 2787, IAPMO ER-200                                                                                                                                                                                                                                   | $\frac{2}{\frac{25^{b}}{32}}$ $1\frac{3}{4}$ " x0.120", galvanized roofing nail ( $\frac{7}{16}$ " head dia)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| N NOTCHED OR<br>DUT MANUFACTURER     | QUICK DRIVE WOOD SCREWSICC-ES ESR-1472<br>403. ADHESIVES & ANCHORS:                                                                                                                                                                                                                                                                                             | WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| LOW:                                 | SIMPSON EPOXY-TIE HIGH STRENGTH EPOXY (SET-XP)ICC-ES ESR-1772, 2508.<br>SIMPSON WEDGE-ALL (WA) WEDGE ANCHORSICC-ES ES-1771                                                                                                                                                                                                                                      | $\begin{bmatrix} \frac{3}{4}" \& LESS \\ \frac{7}{8}"-1" \end{bmatrix} & 8d COMMON (2 \frac{1}{2}"x0.131"); or deformed (2"x0.1 \frac{7}{8}"-1" \\ 8d COMMON (2 \frac{1}{2}"x0.131"); or deformed (2"x0.1 \frac{7}{8}"-1" \\ $ |
| IYWHERE,<br>E SPAN IN                | SIMPSON WEDGE-ALE (WA) WEDGE ANOTONS-ICC-ES ES 1777<br>SIMPSON TITEN HDICC-ESR-1056, 2713<br>SIMPSON SHOT PINS ICC-ES ESR-2138                                                                                                                                                                                                                                  | $\frac{1_{8}^{1}-1_{4}^{1}}{100 \text{ COMMON (3"x0.148"); or deformed (22^{1}x0.148"); or deformed (22^{1}x0.$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BEAM,<br>ATED LOADS.                 | HILTI X-DN, X-ZF, X-CF SHOT PINSICC-ES ER-1663, 1752, 2269                                                                                                                                                                                                                                                                                                      | $\frac{1}{2}$ " & LESS 6d corrosion-resistant siding ( $1\frac{7}{8}$ "x.106"); or 6d co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| THE ENGINEER.                        | 5. NAILING & FASTENING                                                                                                                                                                                                                                                                                                                                          | $\frac{5}{8}$ 8d corrosion-resistant siding ( $2\frac{3}{8}$ "x0.128"); or 8d d<br>INTERIOR PANELING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| AT THE                               | 500. 16D NAILS AS SHOWN ON THE DETAILS MAY BE COMMON, BOX, OR SINKER NAILS (0.135" MIN. DIA)<br>501. AS AN ALTERNATE TO THE COMMON AND BOX NAILS SPECIFIED IN THE STRUCTURAL PLANS, THE                                                                                                                                                                         | $\frac{1}{4}$ 4d casing (1 <sup>1</sup> / <sub>2</sub> "x0.080"); or 4d finish (1 <sup>1</sup> / <sub>2</sub> "x0.072")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HAT<br>S THE                         | FOLLOWING "CUTLER" GUN NAILS (OR EQUAL) ARE ACCEPTABLE ALTERNATIVES.                                                                                                                                                                                                                                                                                            | 3r         6d casing (2"x0.099"); or 6d finish (2"x.092") - (P           7.         DESIGN CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PERED<br>ROVAL IN                    | 502. ALTERNATE NAILING FOR ROOF SHEATHING:                                                                                                                                                                                                                                                                                                                      | 700. BUILDING CODE: 2022 CALIFORNIA BUILDING CODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                      | 8D 2 $\frac{1}{2}$ " X 0.135 WIRE BARBED NAILS BY CUTLER OR EQUAL.                                                                                                                                                                                                                                                                                              | 701. SEISMIC DESIGN CRITERIA:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| FOR NOTCHING                         | 503. ALTERNATE NAILING FOR FLOOR SHEATHING: #8 X 2" SELF SETTING WOOD SCREWS, OR<br>8D 2 $\frac{1}{2}$ " X 0.135 OR 0.148 SCREW SHANK FLOOR NAILS BY CUTLER OR EQUAL                                                                                                                                                                                            | SOIL BEARING VALUE<br>SITE CLASS<br>SEISMIC DESIGN CATEGORY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PED BEAM<br>PROVIDE DOUBLE           | 504. SHEAR PANELS WHERE 8D COMMON NAILS ARE SPECIFIED:<br>10D 2 $\frac{1}{2}$ " X 0.148" WIRE BARBED NAILS BY CUTLER OR EQUAL                                                                                                                                                                                                                                   | RISK CATEGORY<br>SEISMIC IMPORTANCE FACTOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                      | NAIL SIZES C&C PRESSURES                                                                                                                                                                                                                                                                                                                                        | Ss:         2.400         Sds:         1.920         Cs:           S1:         0.900         Sd1:         1.020         R:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PED BEAM<br>ROVIDE DOUBLE            | SIZE OF STANDARD WIRE SIZE PENETRATION ROOF: GABLE ROOF, PITCH α = 18.3°<br>NAIL LENGTH GAUGE (INCHES) REQUIRED                                                                                                                                                                                                                                                 | BASIC SEISMIC FORCE RESISTING SYSTEM:BEARI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                      | BOX NAILS (-) ZONE 1 -42.0 psf -39.5 psf -39.3 psf                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| R OR PER PLAN.                       | 6D       2"       12       0.099       1"         8D       2       "       11       0.113       1"                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| OR HEADER<br>EARING POINT.           | oD     2     11     0.113     1       10D     3"     10     0.128     1"       12D     3"     10     0.128     1                                                                                                                                                                                                                                                | RISK CATEGORY<br>EXPOSURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                      | 16D 3 " 10 0.135 1 "<br>16D SINKER 3" 9 0.148 1" WALLS                                                                                                                                                                                                                                                                                                          | INTERNAL PRESSURE COEF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| AWINGS                               | COMMON NAILS     A <sub>EFFECTIVE</sub> = 10 sf     21 sf     48 sf                                                                                                                                                                                                                                                                                             | 703. DESIGN LOADING:<br>ROOF DL 28 psf I ROOF LL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ARCHITECTURAL                        | 6D       2"       11       0.113       1"         8D       2 <sup>±</sup> 10       0.131       1"                                                                                                                                                                                                                                                               | PORCH DL 33 psf I PORCH LL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ONAL INFORMATION.                    | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| IMIZE ROOF                           | $\begin{bmatrix} 12D & 3" & 9 & 0.148 & 1\frac{1}{4}" \\ 16D & 3 & " & 8 & 0.162 & 1\frac{1}{2}" \\ \end{bmatrix}$                                                                                                                                                                                                                                              | 704. SNOW LOADING: WORST CASE PER RIVERSIDE COU<br>RECOMMENDATIONS: 63 PSF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                      | I                                                                                                                                                                                                                                                                                                                                                               | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| PLATE OR OTHER FRA<br>PPPLATE TO RAFTER (<br>PPPLATE TO RAFTER (                 | OR TRUSS                                 | , T.N.              | 4-8d Box, 3-8d (       | Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples<br>2-8d Com, 2-3" x 0.131" nails, 2-3" 14 gage staples<br>2-16d Com, 3-3" x 0.131" nails, 3-3" 14 gage staples                                                           |
|----------------------------------------------------------------------------------|------------------------------------------|---------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                  |                                          | ,                   | 4-8d box. 3-           | 16d Com, 3"x.131" nails, 3"x14 gage staples @ 6" o.c<br>8d Com, 3-10d box, 3-3"x.131 nails, 3-3" 14 gage staples                                                                                                                   |
| S OVER PARTITIONS, I<br>INT), F.N. PER 2308.7.3                                  |                                          | 2308.7.3            | .1 3-16d<br>3-16d      | Com, 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples<br>Com, 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples                                                                                                             |
|                                                                                  |                                          |                     |                        | d Com, 4-10d box, 4-3"x0.131" nails, 4-3" 14 gage staples<br>l6d or 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples                                                                                                           |
| BEAM                                                                             |                                          | 4-16d bo            | x, 3-10d Com, 3-1      | 6d or 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples                                                                                                                                                                         |
|                                                                                  |                                          |                     | 2-16d Com, 3-16c       | d box, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples<br>box, 3" x 0.131" nails, 3-3" 14 gage staples @ 16" o.c. FN                                                                                                          |
| D WALL)                                                                          |                                          | -                   |                        | Box, 3" x 0.131" nails, 3-3" 14 gage staples @ 12" o.c. FN                                                                                                                                                                         |
|                                                                                  |                                          |                     |                        | 16d Com @ 16" o.c OR 16d Box @ 12" o.c.<br>4-8d Com, 4-10d Box, 5-8d box                                                                                                                                                           |
| END JOINT), FACENAIL                                                             |                                          | Com @ ′             | 16" o.c. FN OR 10      | d Box, 3" x 0.131" nails, 3" 14 gage staples @ 12 o.c. FN                                                                                                                                                                          |
| ,                                                                                |                                          | 8-16d               | Com, 12-16d Box        | x, 12-10d Box, 12-3" x 0.131" nails, 12-3" 14 gage staples                                                                                                                                                                         |
|                                                                                  |                                          |                     |                        | 16d Com<br>16d Box, 3" x 0.131" nails, 3" 14 gage staples                                                                                                                                                                          |
|                                                                                  |                                          |                     | 2-16                   | 6d Com, 3-16d Box,4-3"x.131" nails,4-3" 14 gage staples                                                                                                                                                                            |
|                                                                                  | 4                                        |                     |                        | Com, 3-16d Box, 4-3"x0.131" nails, 4-3" 14 gage staples<br>Com, 3-10d Box, 3-3"x0.131" nails, 3-3" 14 gage staples                                                                                                                 |
|                                                                                  |                                          |                     | 2-16d (                | Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples                                                                                                                                                                          |
|                                                                                  |                                          |                     |                        | Com, 2-10d Box, 2-3" x 0.131" nails, 2-3" 14 gage staples<br>3-8d Box, 2-1.75" 16 Gage staples, 2-8d Com, 2-10d Box                                                                                                                |
|                                                                                  |                                          |                     | 2                      | 4-8d box, 4-1.75" 16 Gage staples, 3-8d Com, 3-10d Box<br>Com, 3-10d Box, 3-3" x 0.131" nails, 3-3" 14 gage staples                                                                                                                |
| OR OTHER                                                                         | 8d Box @                                 | 4" o.c. T           |                        | d Box, 3" x 0.131" nails, 3" 14 gage staples @ 6" o.c. TN                                                                                                                                                                          |
|                                                                                  |                                          |                     |                        | 2-1.75" Gage Staples, 2-8d Com, 3-10d Box<br>3-16d Box, 2-16d Com                                                                                                                                                                  |
| ACH BEARING                                                                      |                                          |                     |                        | 3-16d Box, 2-16d Com                                                                                                                                                                                                               |
| SIDES                                                                            |                                          |                     |                        | 20d Com<br>10d Box, 3"x0.131" nails, 3" 14 gage staples                                                                                                                                                                            |
|                                                                                  |                                          |                     |                        | Com, 3-10d Box, 3-3"x0.131" nails, 3-3" 14 gage staples                                                                                                                                                                            |
|                                                                                  |                                          |                     |                        | -16d Com, 4-10d Box, 4-3"X0.131, 4-3" 14ga. STAPLES<br>-16d Com, 4-10d Box, 4-3"X0.131, 4-3" 14ga. STAPLES                                                                                                                         |
| H END, T.N.<br>WALL SHTNG TO FRMO                                                | G AND                                    | EDGES               | 2-8d C<br>INTERMEDIATE | Com, 2-10d box, 2-3" x 0.131" nails, 2-3" 14 gage staples                                                                                                                                                                          |
| wall)                                                                            | _                                        | (IN)<br>6           | SUPPORTS (IN)          |                                                                                                                                                                                                                                    |
| waii)                                                                            |                                          | 6 <sup>e</sup>      | 6 <sup>e</sup>         | FOOTNOTES:                                                                                                                                                                                                                         |
|                                                                                  |                                          | 4<br>3 <sup>f</sup> | 8<br>3 <sup>f</sup>    | a. Nails spaced at 6 inches at intermediate supports where spans are                                                                                                                                                               |
|                                                                                  |                                          | 3 <sup>f</sup><br>6 | 3 <sup>f</sup>         | 48 inches or more. For nailing of wood structural panel and<br>particleboard diaphragms and shear walls, refer to Section 2305. Nails                                                                                              |
|                                                                                  |                                          | 6 <sup>e</sup>      | 6 <sup>e</sup>         | <ul><li>for wall sheathing are permitted to be common, box or casing.</li><li>b. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications. Panel</li></ul> |
| vn<br>hoad)                                                                      |                                          | 4                   | 8                      | supports at 16 inches (20 inches if strength axis in the long direction of<br>the panel, unless otherwise marked).<br>c. Where a rafter is fastened to an adjacent parallel ceiling joist in                                       |
| head)                                                                            |                                          | 6                   | 12                     | accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with this schedule, the number of toenails in the                                                                                   |
| 1 <sup>1</sup> / <sub>4</sub> " 16 Ga Staple w/ <sup>7</sup> / <sub>16</sub> " o | r 1" crown                               | 3                   | 6                      | rafter shall be permitted to be reduced by one nail.<br>d. RSRS-01 is a Roof Sheathing Ring Shank nail meeting the<br>specifications in ASTM F1667.                                                                                |
| 1 <sup>1</sup> / <sub>2</sub> " 16 Ga Staple w/ <sup>7</sup> / <sub>16</sub> " o | r 1" crown                               | 3                   | 6                      | e. Tabulated fastener requirements apply where the ultimate design<br>wind speed is less than 140 mph. For wood structural panel roof                                                                                              |
| IDERLAYMENT TO FRA                                                               | MING                                     |                     |                        | sheathing attached to gable-end roof framing and to intermediate<br>supports within 48 inches of roof edges and ridges, nails shall be<br>spaced at 4 inches on center where the ultimate design wind speed is                     |
| ; or deformed (2"x0.120")<br>; or deformed (2"x0.120")                           |                                          | 6<br>6              | 12<br>12               | greater than 130 mph in Exposure B or greater than 110 mph in<br>Exposure C. Spacing exceeding 6 inches on center at intermediate                                                                                                  |
| ; or deformed $(2\frac{1}{2}x0.120)$                                             |                                          | 6                   | 12                     | supports shall be permitted where the fastening is designed per the AWC NDS.<br>e. Fastening is only permitted where the ultimate design wind speed is                                                                             |
| sion-resistant (2"x.099")                                                        |                                          | 6                   | 12                     | less than or equal to 110 mph<br>g. Nails and staples are carbon steel meeting the specifications of                                                                                                                               |
| osion-resistant casing $(2\frac{1}{2})$                                          | "x0.113")                                | 6                   | 12                     | ASTM F1667. Connections using nails and staples of other materials,<br>such as stainless steel, shall be designed by acceptable engineering<br>practice or approved under Section 104.11.                                          |
|                                                                                  |                                          | 6                   | 12                     |                                                                                                                                                                                                                                    |
| el supports at 24 inches)                                                        |                                          | 6                   | 12                     |                                                                                                                                                                                                                                    |
|                                                                                  | 8. S                                     | TAT                 | EMENT                  | OF SPECIAL INSPECTIONS                                                                                                                                                                                                             |
|                                                                                  |                                          |                     |                        | FOR MISPLACED HOLDOWNS WITH<br>MPSON SET-XP EPOXY REQUIRE                                                                                                                                                                          |
| 1,500 psf                                                                        |                                          |                     | •                      | O SPECIAL INSPECTION IS REQUIRED<br>BOLTS OR TITEN HD'S WITHOUT A                                                                                                                                                                  |
| D (Default)<br>D                                                                 | H                                        | OLDOW               | N ATTACHED.) R         | EFER TO NOTE 213 FOR MINIMUM                                                                                                                                                                                                       |
|                                                                                  |                                          |                     |                        | DISTANCE REQUIREMENTS.                                                                                                                                                                                                             |
| 1                                                                                |                                          |                     |                        | NSPECTION IS NOT REQUIRED FOR<br>S ON GRADE NOR FOR CONCRETE                                                                                                                                                                       |
| 1<br>0.269                                                                       | F                                        | OOTING              | S THAT SUPPOR          | T 3 STORIES ABOVE GRADE OR LESS.                                                                                                                                                                                                   |
| 6.5                                                                              | 802. PE                                  |                     |                        | INSPECTION IS NOT REQUIRED FOR<br>OR DETTACHED ONE- AND                                                                                                                                                                            |
| II<br>1<br>0.269<br>6.5<br>WALL ANALYSIS<br>SEE STRUCTURAL                       |                                          |                     |                        | NOT EXCEEDING 2 STORIES ABOVE                                                                                                                                                                                                      |
| 1<br>0.269<br>6.5<br>VALL ANALYSIS                                               | SI<br>T                                  |                     |                        |                                                                                                                                                                                                                                    |
| 1<br>0.269<br>6.5<br>VALL ANALYSIS<br>SEE STRUCTURAL<br>129 mph                  | SI<br>T                                  | RADE.               |                        |                                                                                                                                                                                                                                    |
| 1<br>0.269<br>6.5<br>VALL ANALYSIS<br>SEE STRUCTURAL<br>129 mph<br>I<br>C        | SI<br>T <sup>1</sup><br>G                |                     | S REPOF                | RT                                                                                                                                                                                                                                 |
| 1<br>0.269<br>6.5<br>VALL ANALYSIS<br>SEE STRUCTURAL                             | SI<br>T <sup>1</sup><br>G                |                     | S REPOF                | RT                                                                                                                                                                                                                                 |
| ).269<br>5.5<br>/ALL ANALYSIS<br>SEE STRUCTURAL<br> 29 mph<br> <br>C             | SI<br>T <sup>1</sup><br>G<br><b>9.</b> S |                     | EPORT MAY BE F         | REQUIRED BY THE BUILDING OFFICIAL.<br>ORT A CONSERVATIVE VALUE FOR THE                                                                                                                                                             |

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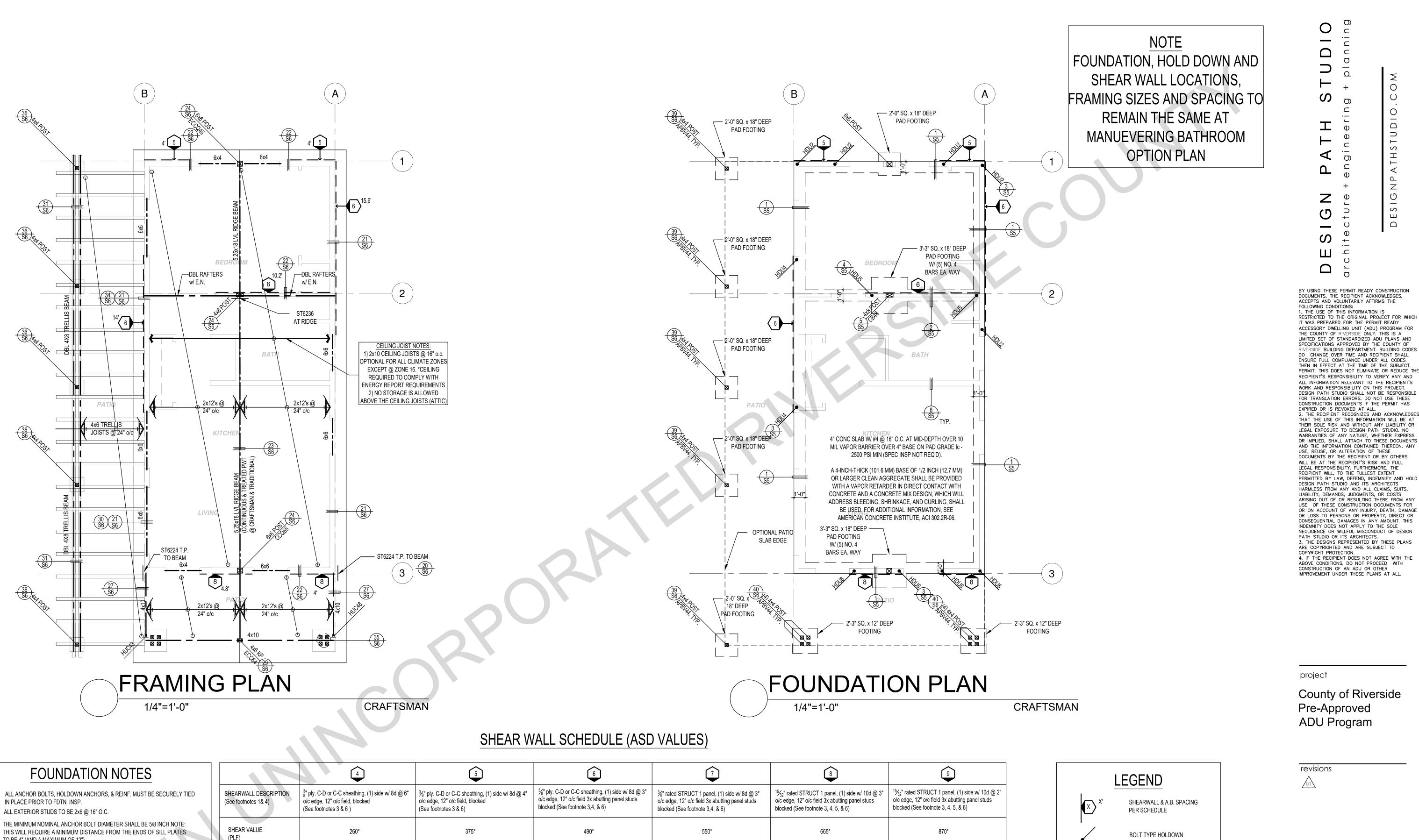
BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES,

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County of Riverside Pre-Approved ADU Program

description Structural Notes & Specifications

| date                | 20 January 2025    |  |  |  |  |
|---------------------|--------------------|--|--|--|--|
| project no.         | RIVERSIDE ADU      |  |  |  |  |
| drawn by            | DESIGN PATH STUDIO |  |  |  |  |
| sheet no. <b>S1</b> |                    |  |  |  |  |



- IN PLACE PRIOR TO FDTN. INSP.
- ALL EXTERIOR STUDS TO BE 2x6 @ 16" O.C.
- THE MINIMUM NOMINAL ANCHOR BOLT DIAMETER SHALL BE 5/8 INCH NOTE: THIS WILL REQUIRE A MINIMUM DISTANCE FROM THE ENDS OF SILL PLATES TO BE 4" (AND A MAXIMUM OF 12")
- · PLATE WASHERS (MINIMUM SIZE OF 3" x 3" x 1/4") SHALL BE USED ON EACH ANCHOR BOLT.
- PROVIDE CONC SLAB JOINTS AT NO MORE THAN 15 FT EA. WAY
- 6. SEE SHEET S5 FOR TYP. CONCRETE & SLAB DETAILS 1-8
- POSTS W/O SPECIFIED BASE SHALL BE NAILED TO BOLTED SILL PLATES W/ (2) 16d T.N. EA SIDE, TYP.
- . FOOTINGS ADJACENT TO SLOPES GREATER THAN OR EQUAL TO 33.3% SHALL COMPLY WITH SETBACK REQUIREMENTS DEFINED IN CBC 1808.7.

(PLF) 5⁄8" @ 48" ANCHOR BOLT SPACING or 1⁄2" @ 32" SPACING OF A35/LTP4 24" O.C. FRAMING TO TOP PLATE

- SPACING. PLYWOOD JOINT AND SILL NAILING SHALL BE STAGGERED.
- (5) IN SHEARWALL TYPES 8 & 9, SILL PLATE NAILING SHALL BE STAGGERED.
- (7) ALL ANCHOR BOLTS AND HOLD-DOWN BOLT NUTS SHALL BE TIGHTENED PRIOR TO WALL COVERING.
- (\*) ALLOWABLE SHEAR VALUES FOR PLYWOOD SHEARWALLS MAY BE INCREASED BY 40% UNDER WIND LOADING.

|             | 5                                                                                                                                         | 6                                                                                                                                                                  | 7                                                                                                                                  | 8                                                                                                                                                        | 9                                                                                                                                        |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <u>)</u> 6" | <sup>3</sup> / <sub>8</sub> " ply. C-D or C-C sheathing, (1) side w/ 8d @ 4"<br>o/c edge, 12" o/c field, blocked<br>(See footnotes 3 & 6) | <sup>3</sup> ∕ <sub>8</sub> " ply. C-D or C-C sheathing, (1) side w/ 8d @ 3"<br>o/c edge, 12" o/c field 3x abutting panel studs<br>blocked (See footnote 3,4, & 6) | %" rated STRUCT 1 panel, (1) side w/ 8d @ 3"<br>o/c edge, 12" o/c field 3x abutting panel studs<br>blocked (See footnote 3,4, & 6) | $^{15}$ / <sub>32</sub> " rated STRUCT 1 panel, (1) side w/ 10d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 4, 5, & 6) | $^{15}$ / <sub>32</sub> " rated STRUCT 1 panel, (1) sid<br>o/c edge, 12" o/c field 3x abutting pa<br>blocked (See footnote 3, 4, 5, & 6) |
|             | 375*                                                                                                                                      | 490*                                                                                                                                                               | 550*                                                                                                                               | 665*                                                                                                                                                     | 870*                                                                                                                                     |
|             | 5%" @ 32"<br>or<br>½" @ 24"                                                                                                               | 5⁄8" @ 24"<br>or<br>1∕2" @ 16"                                                                                                                                     | 5%" @ 24"<br>or<br>½" @ 16"                                                                                                        | 5⁄8" @ 16"<br>or<br>1⁄2" @ 12"                                                                                                                           | 5⁄8" @ 12"<br>or<br>1∕2" @ 8"                                                                                                            |
|             | 16" O.C.                                                                                                                                  | 12" O.C.                                                                                                                                                           | 12" O.C.                                                                                                                           | 8" O.C.                                                                                                                                                  | 8" O.C.                                                                                                                                  |
|             |                                                                                                                                           | SHEAR WALL FOOTNOTES                                                                                                                                               |                                                                                                                                    |                                                                                                                                                          |                                                                                                                                          |

(1) AT PLYWOOD OR OSB PS-1 OR PS-2 RATED PANELS USE COMMON NAILS OR GALVANIZED BOX NAILS (2) LAYERS OF PAPER EXTERIOR PLYWOOD REQUIRED. SHEARSHALL BE APPLIED OVER STUDS @ 16" O/C. GALVANIZED NAILS SHALL NOT BE HOT-DIPPED OR TUMBLED.

(2) SILL PLATES & WASHERS SHALL COMPLY WITH THE CONCRETE FOUNDATION CONSTRUCTION AND WOOD FRAMING CONSTRUCTION NOTES. (SEE NOTES #206, 208, 209. 307, 308, 309, ETC.)

(3) IN PLYWOOD SHEARWALLS, THE EDGE OF THE 3" SQUARE WASHERS (SEE NOTE #206) SHALL BE 1/2" OR LESS FROM THE EDGE OF THE SILL PLATE ON THE SIDE OF THE SHEATHING. ALL NAILING SHALL BE 3/4" MIN. FROM THE EDGE OF SHEATHING.

(4) WHERE ALLOWABLE SHEAR VALUES EXCEED 350 PLF (SHEARWALL TYPES 6, 7, 8, & 9) ALL FRAMING RECEIVING NAILING FROM ABUTTING PANEL EDGES SHALL NOT BE LESS THAN A SINGLE 3" NOMINAL MEMBER OR (2) 2X MEMBERS STITCH NAILED WITH 10D, SPACING EQUAL TO THE E.N.

(6) WHERE NOISE INSULATION IS REQUIRED, STRUCTURAL SHEAR PANELS TO BE UPGRADED TO <sup>1</sup>/<sub>2</sub>" WSP, ALL OTHER EXTERIOR SURFACES TO BE SHEATH WITH GRADE D MIN. <sup>1</sup>/<sub>2</sub>" SOLID SHEATHING WITH 6" O.C. EDGE NAILING, 12" O.C. FIELD NAILING.

### description

BEARING OR EXTENT

HANGER TO BEAM/LEDGER

BEARING OR EXTENT

CALIFORNIA FILL FRAMING

OF JOISTS

\* PLEASE REFER TO NOTES 311 & 401 ON S1 FOR LUMBER

GRADE SPECIFICATIONS.

OF RAFTERS

# Craftsman Foundation & Framing <u>Plan</u>

date

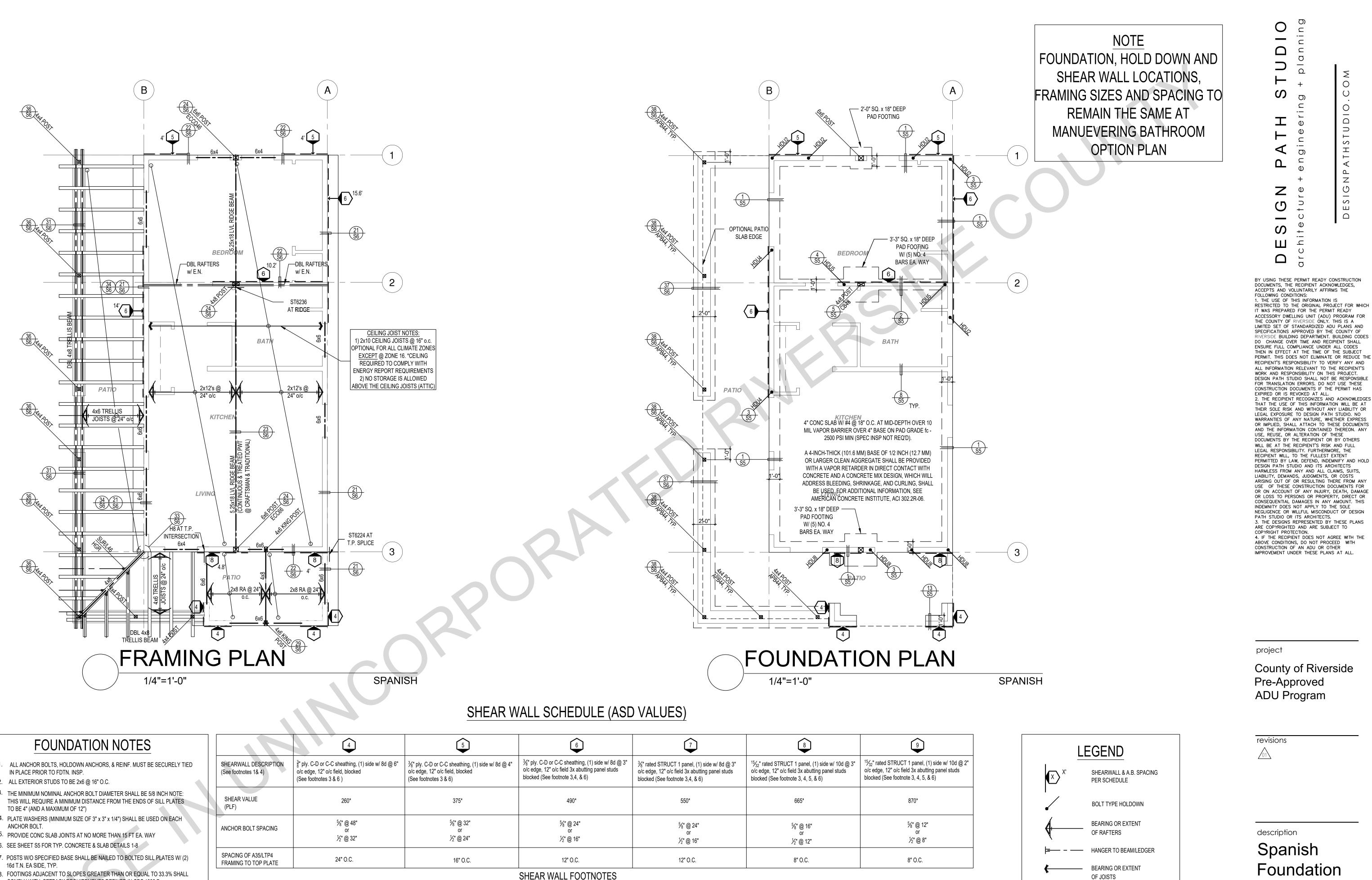
DESIGN PATH STUDIO

drawn by

sheet no.







| FOUNDATION NOTES                                                                      |                                               | 4                                                                                                  |
|---------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------|
| CHOR BOLTS, HOLDOWN ANCHORS, & REINF. MUST BE SECURELY TIED<br>E PRIOR TO FDTN. INSP. | SHEARWALL DESCRIPTION<br>(See footnotes 1& 4) | $\frac{3}{8}$ " ply. C-D or C-C sheathin<br>o/c edge, 12" o/c field, blo<br>(See footnotes 3 & 6 ) |

- ALL EXTERIOR STUDS TO BE 2x6 @ 16" O.C.
- THE MINIMUM NOMINAL ANCHOR BOLT DIAMETER SHALL BE 5/8 INCH NOTE: THIS WILL REQUIRE A MINIMUM DISTANCE FROM THE ENDS OF SILL PLATES TO BE 4" (AND A MAXIMUM OF 12")
- ANCHOR BOLT.

- 16d T.N. EA SIDE, TYP.
- . FOOTINGS ADJACENT TO SLOPES GREATER THAN OR EQUAL TO 33.3% SHALL COMPLY WITH SETBACK REQUIREMENTS DEFINED IN CBC 1808.7.

- SPACING. PLYWOOD JOINT AND SILL NAILING SHALL BE STAGGERED.
- (5) IN SHEARWALL TYPES 8 & 9, SILL PLATE NAILING SHALL BE STAGGERED.
- (7) ALL ANCHOR BOLTS AND HOLD-DOWN BOLT NUTS SHALL BE TIGHTENED PRIOR TO WALL COVERING.
- (\*) ALLOWABLE SHEAR VALUES FOR PLYWOOD SHEARWALLS MAY BE INCREASED BY 40% UNDER WIND LOADING.

|      | 5                                                                                                                                         | 6                                                                                                                                                                  | 7                                                                                                                                         | 8                                                                                                                                                        | 9                                                                                                                                       |
|------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 9 6" | <sup>3</sup> / <sub>8</sub> " ply. C-D or C-C sheathing, (1) side w/ 8d @ 4"<br>o/c edge, 12" o/c field, blocked<br>(See footnotes 3 & 6) | <sup>3</sup> ∕ <sub>8</sub> " ply. C-D or C-C sheathing, (1) side w/ 8d @ 3"<br>o/c edge, 12" o/c field 3x abutting panel studs<br>blocked (See footnote 3,4, & 6) | $\frac{3}{8}$ " rated STRUCT 1 panel, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3,4, & 6) | $^{15}$ / <sub>32</sub> " rated STRUCT 1 panel, (1) side w/ 10d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 4, 5, & 6) | $^{15}$ / <sub>32</sub> " rated STRUCT 1 panel, (1) sic<br>o/c edge, 12" o/c field 3x abutting p<br>blocked (See footnote 3, 4, 5, & 6) |
|      | 375*                                                                                                                                      | 490*                                                                                                                                                               | 550*                                                                                                                                      | 665*                                                                                                                                                     | 870*                                                                                                                                    |
|      | 5%" @ 32"<br>or<br>½" @ 24"                                                                                                               | 5⁄8" @ 24"<br>or<br>1∕2" @ 16"                                                                                                                                     | 5%" @ 24"<br>or<br>½" @ 16"                                                                                                               | 5⁄8" @ 16"<br>or<br>1⁄2" @ 12"                                                                                                                           | 5∕8" @ 12"<br>or<br>½" @ 8"                                                                                                             |
|      | 16" O.C.                                                                                                                                  | 12" O.C.                                                                                                                                                           | 12" O.C.                                                                                                                                  | 8" O.C.                                                                                                                                                  | 8" O.C.                                                                                                                                 |
|      | •                                                                                                                                         | SHEAR WALL FOOTNOTES                                                                                                                                               |                                                                                                                                           |                                                                                                                                                          |                                                                                                                                         |

(1) AT PLYWOOD OR OSB PS-1 OR PS-2 RATED PANELS USE COMMON NAILS OR GALVANIZED BOX NAILS (2) LAYERS OF PAPER EXTERIOR PLYWOOD REQUIRED. SHEARSHALL BE APPLIED OVER STUDS @ 16" O/C. GALVANIZED NAILS SHALL NOT BE HOT-DIPPED OR TUMBLED.

(2) SILL PLATES & WASHERS SHALL COMPLY WITH THE CONCRETE FOUNDATION CONSTRUCTION AND WOOD FRAMING CONSTRUCTION NOTES. (SEE NOTES #206, 208, 209. 307, 308, 309, ETC.)

(3) IN PLYWOOD SHEARWALLS, THE EDGE OF THE 3" SQUARE WASHERS (SEE NOTE #206) SHALL BE 1/2" OR LESS FROM THE EDGE OF THE SILL PLATE ON THE SIDE OF THE SHEATHING. ALL NAILING SHALL BE 3/8" MIN. FROM THE EDGE OF SHEATHING.

(4) WHERE ALLOWABLE SHEAR VALUES EXCEED 350 PLF (SHEARWALL TYPES 6, 7, 8, & 9) ALL FRAMING RECEIVING NAILING FROM ABUTTING PANEL EDGES SHALL NOT BE LESS THAN A SINGLE 3" NOMINAL MEMBER OR (2) 2X MEMBERS STITCH NAILED WITH 10D, SPACING EQUAL TO THE E.N.

(6) WHERE NOISE INSULATION IS REQUIRED, STRUCTURAL SHEAR PANELS TO BE UPGRADED TO  $\frac{1}{2}$ " WSP, ALL OTHER EXTERIOR SURFACES TO BE SHEATH WITH GRADE D MIN.  $\frac{1}{2}$ " SOLID SHEATHING WITH 6" O.C. EDGE NAILING, 12" O.C. FIELD NAILING.

Foundation & Framing <u>Plan</u>

date 20 January 2025

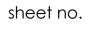
CALIFORNIA FILL FRAMING

\* PLEASE REFER TO NOTES 311 & 401 ON S1 FOR LUMBER

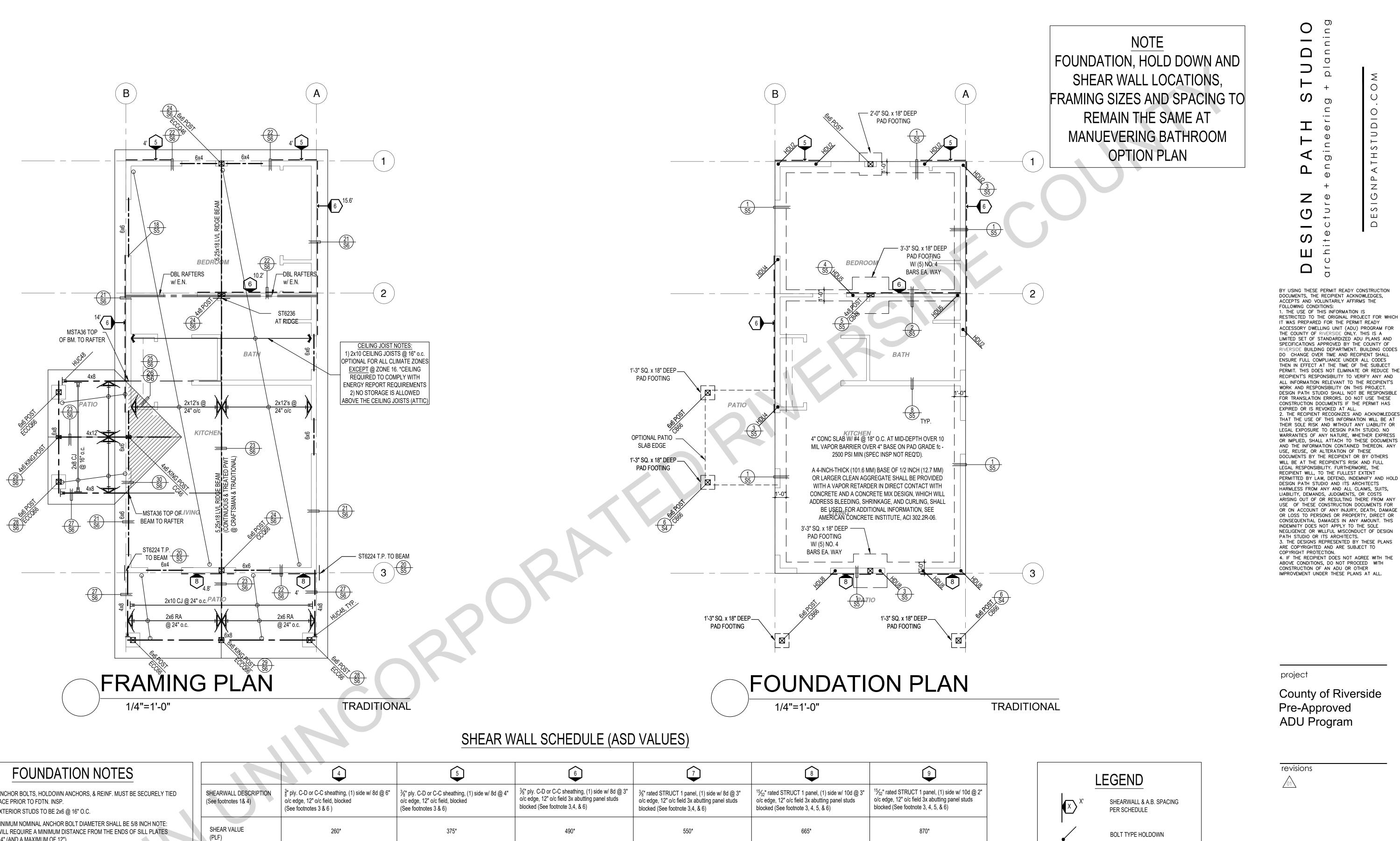
GRADE SPECIFICATIONS.

project no. RIVERSIDE ADU

drawn by DESIGN PATH STUDIO







- ALL ANCHOR BOLTS, HOLDOWN ANCHORS, & REINF. MUST BE SECURELY TIED IN PLACE PRIOR TO FDTN. INSP.
- ALL EXTERIOR STUDS TO BE 2x6 @ 16" O.C.
- THE MINIMUM NOMINAL ANCHOR BOLT DIAMETER SHALL BE 5/8 INCH NOTE: THIS WILL REQUIRE A MINIMUM DISTANCE FROM THE ENDS OF SILL PLATES TO BE 4" (AND A MAXIMUM OF 12")
- PLATE WASHERS (MINIMUM SIZE OF 3" x 3" x 1/4") SHALL BE USED ON EACH ANCHOR BOLT.
- 5. PROVIDE CONC SLAB JOINTS AT NO MORE THAN 15 FT EA. WAY
- 5. SEE SHEET S5 FOR TYP. CONCRETE & SLAB DETAILS 1-8
- POSTS W/O SPECIFIED BASE SHALL BE NAILED TO BOLTED SILL PLATES W/ (2) 16d T.N. EA SIDE, TYP.
- . FOOTINGS ADJACENT TO SLOPES GREATER THAN OR EQUAL TO 33.3% SHALL COMPLY WITH SETBACK REQUIREMENTS DEFINED IN CBC 1808.7.

|                                               | 4                                                                                                                      | 5                                                                                                                     | 6                                                                                                                                                                  | 7                                                                                                                                                             | 8                                                                                                                                                        | 9                                                                                                                                  |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| SHEARWALL DESCRIPTION<br>(See footnotes 1& 4) | $\frac{3}{8}$ " ply. C-D or C-C sheathing, (1) side w/ 8d @ 6" o/c edge, 12" o/c field, blocked (See footnotes 3 & 6 ) | $\frac{3}{8}$ " ply. C-D or C-C sheathing, (1) side w/ 8d @ 4" o/c edge, 12" o/c field, blocked (See footnotes 3 & 6) | <sup>3</sup> / <sub>8</sub> " ply. C-D or C-C sheathing, (1) side w/ 8d @ 3"<br>o/c edge, 12" o/c field 3x abutting panel studs<br>blocked (See footnote 3,4, & 6) | <sup>3</sup> ⁄ <sub>8</sub> " rated STRUCT 1 panel, (1) side w/ 8d @ 3"<br>o/c edge, 12" o/c field 3x abutting panel studs<br>blocked (See footnote 3,4, & 6) | $^{15}$ / <sub>32</sub> " rated STRUCT 1 panel, (1) side w/ 10d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 4, 5, & 6) | $^{15}$ / <sub>32</sub> " rated STRUCT 1 panel, (1) side o/c edge, 12" o/c field 3x abutting p blocked (See footnote 3, 4, 5, & 6) |
| SHEAR VALUE<br>(PLF)                          | 260*                                                                                                                   | 375*                                                                                                                  | 490*                                                                                                                                                               | 550*                                                                                                                                                          | 665*                                                                                                                                                     | 870*                                                                                                                               |
| ANCHOR BOLT SPACING                           | 5%" @ 48"<br>or<br>1∕2" @ 32"                                                                                          | 5⁄8" @ 32"<br>or<br>1∕2" @ 24"                                                                                        | 5%" @ 24"<br>or<br>½" @ 16"                                                                                                                                        | 5⁄8" @ 24"<br>or<br>½" @ 16"                                                                                                                                  | 5⁄8" @ 16"<br>or<br>1∕2" @ 12"                                                                                                                           | 5%" @ 12"<br>or<br>½" @ 8"                                                                                                         |
| SPACING OF A35/LTP4<br>FRAMING TO TOP PLATE   | 24" O.C.                                                                                                               | 16" O.C.                                                                                                              | 12" O.C.                                                                                                                                                           | 12" O.C.                                                                                                                                                      | 8" O.C.                                                                                                                                                  | 8" O.C.                                                                                                                            |
|                                               |                                                                                                                        |                                                                                                                       | SHEAR WALL FOOTNOTES                                                                                                                                               |                                                                                                                                                               |                                                                                                                                                          |                                                                                                                                    |

- SPACING. PLYWOOD JOINT AND SILL NAILING SHALL BE STAGGERED.
- (5) IN SHEARWALL TYPES 8 & 9, SILL PLATE NAILING SHALL BE STAGGERED.
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# description Traditional Foundation & Framing

<u>Plan</u> date 20 January 2025 project no. RIVERSIDE ADU drawn by

BEARING OR EXTENT

OF RAFTERS

HANGER TO BEAM/LEDGER

BEARING OR EXTENT

CALIFORNIA FILL FRAMING

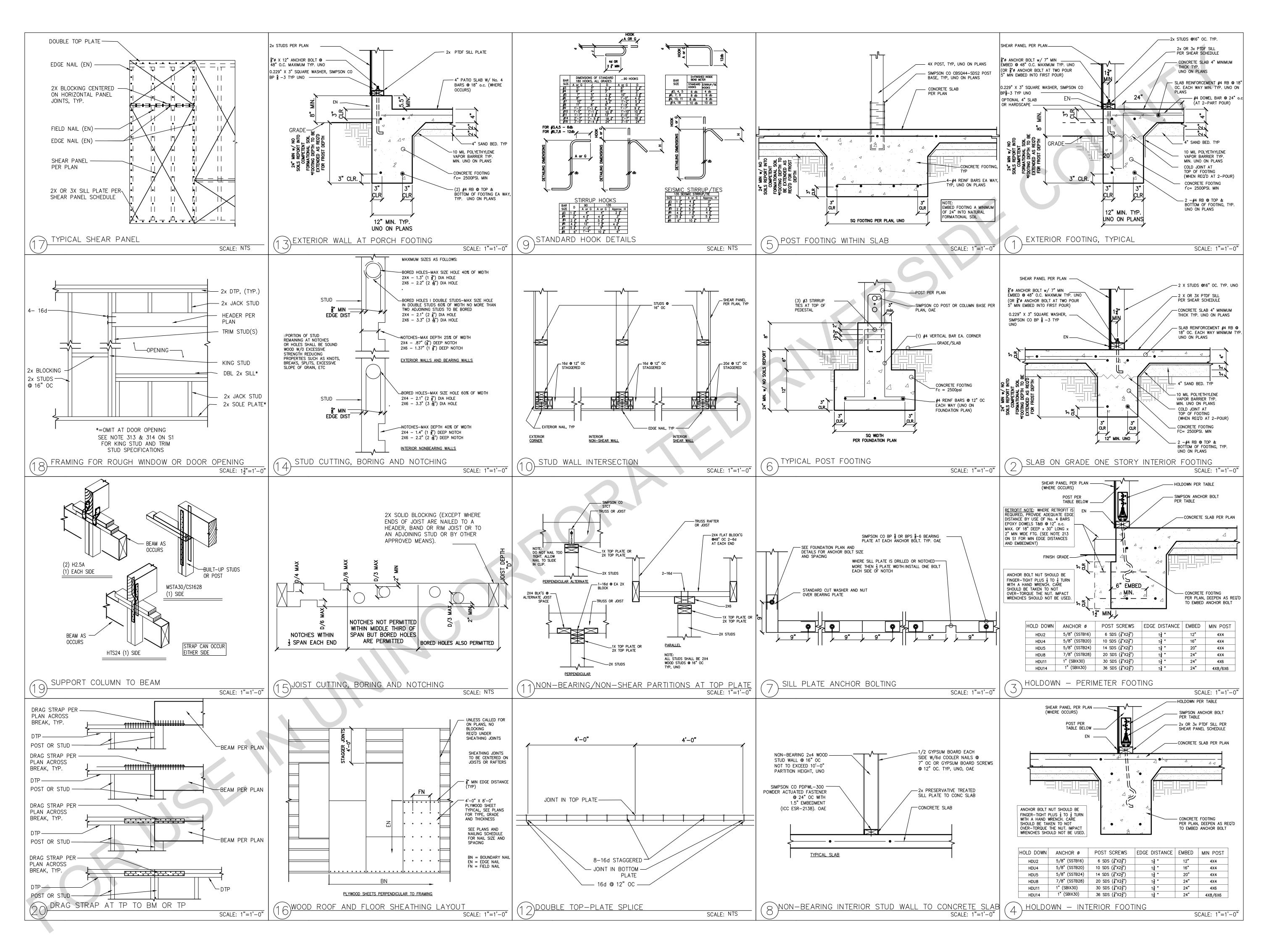
OF JOISTS

\* PLEASE REFER TO NOTES 311 & 401 ON S1 FOR LUMBER

GRADE SPECIFICATIONS.

DESIGN PATH STUDIO

sheet no.



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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE

FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE COUNTY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ANY USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

project

revisions

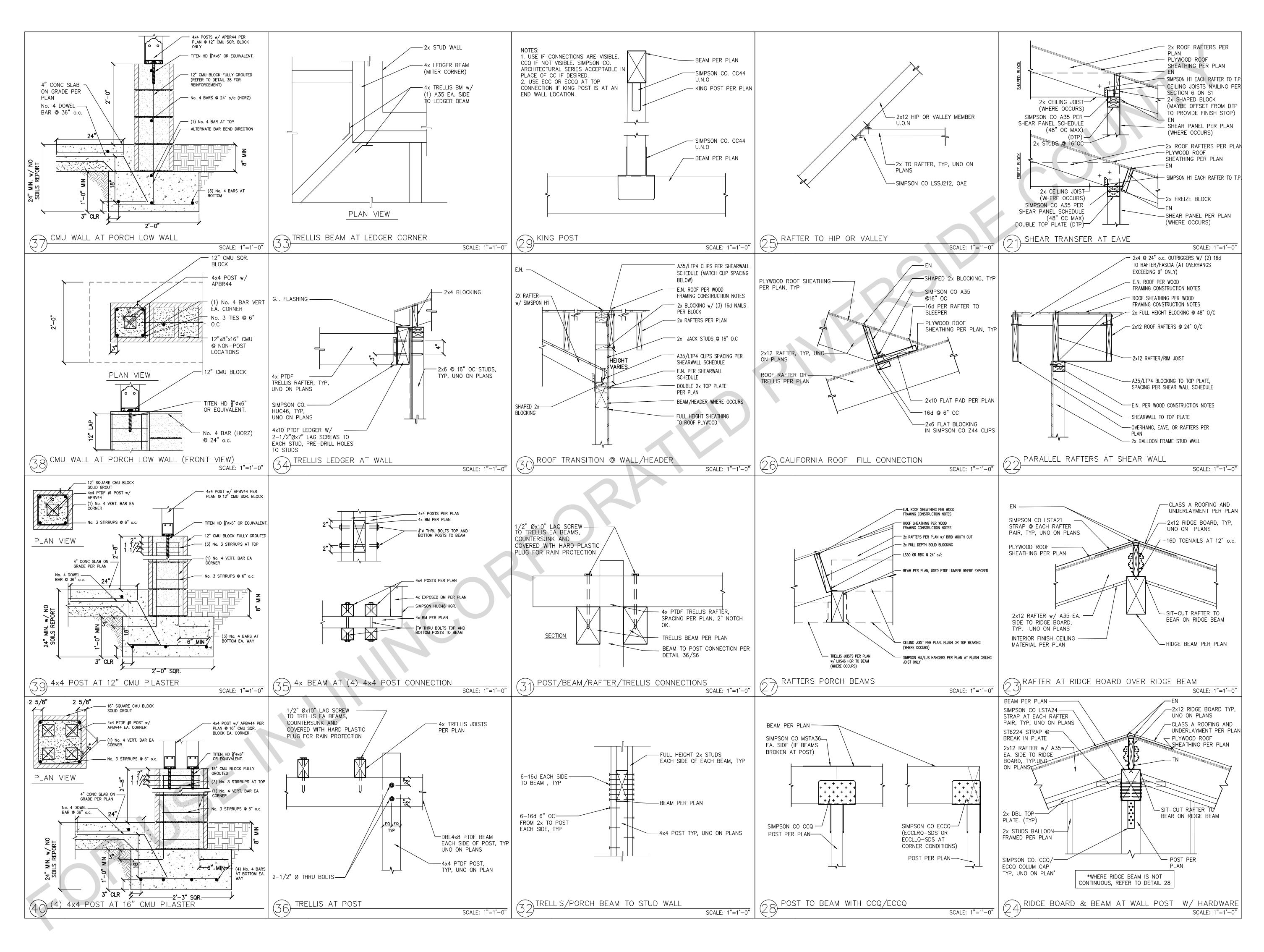
<u>\_01</u>

County of Riverside Pre-Approved ADU Program

△ △ description Structural

Details

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
| sheet no.   | <b>S</b> 5         |



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project

revisions

<u>\_01</u>

County of Riverside Pre-Approved ADU Program

description Structural Details

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
| sheet no.   | <b>S</b> 6         |

| BUILDING ENERGY ANALYSIS REPORT                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| PROJECT:                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |
| Riverside County ADU 1 Bed                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| Riverside County , CA 92522                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| Project Designer:                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |
| Design Path Studio                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |
| P.O. Box 230165                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| Encinitas, CA 92023<br>619-292-8807                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |
| 013-232-0007                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| Report Prepared by:                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| Design Path Studio                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |
| ,                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| Job Number:                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| Date:                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| 12/30/2024                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| The EnergyPro computer program has been used to perform the calculations summarized in this compliance report. This program has approval and is<br>authorized by the California Energy Commission for use with both the Residential and Nonresidential 2022 Building Energy Efficiency Standards. |  |  |  |  |  |  |  |
| This program developed by EnergySoft, LLC – www.energysoft.com.                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: Riverside County ADU 1 Bed - Palm Springs Calculation Date/Time: 2024-12-30T11:05:25-08:00 Calculation Description: Title 24 Analysis Input File Name: Riverside County ADU 1 Bed.ribd22x CF1R-PRF-01-E

9.24

CF1R-PRF-01-E

(Page 6 of 12)

1

(Page 3 of 12)

ENERGY USE SUMMARY Proposed Design Source Proposed Design TDV Energy Compliance Standard Design Source Standard Design TDV Energy Compliance Energy Use Energy (EDR1) (kBtu/ft<sup>2</sup> -yr) inergy (EDR1) (kBtu/ft<sup>2</sup> -yr) (EDR2) (kTDV/ft<sup>2</sup> -yr) (EDR2) (kTDV/ft<sup>2</sup> -yr) Margin (EDR1) Margin (EDR2) 0.48 -3.24 0.04 Space Heating 0.31 3.55 -0.44 4.79 6.27 5.51 100.31 94.04 0.72 Space Cooling 0.41 4.3 0.41 0 IAQ Ventilation 4.3 0 Water Heating 1.96 20.66 1.45 16.31 0.51 4.35 Self 0 Utilization/Flexibility Credit North Facing fficiency Complianc 7.92 125.58 7.13 118.2 0.79 7.38 Total 0.04 0.39 Space Heating 0.31 2.82 -0.35 -2.51 5.51 4.67 92.95 0.84 7.36 100.31 Space Cooling 0.41 0.41 0 IAQ Ventilation 4.3 4.3 0 20.66 1.45 16.27 0.51 4.39 Water Heating 1.96 Self tilization/Flexibilit 0 0 Credit

125.58

East Facing Efficiency

**Compliance Total** 

7.92

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: Riverside County ADU 1 Bed - Palm Springs

| Registration Number: 424-P010328283A-000-000-0000000-0000<br>NOTICE: This document has been generated by California Home Energy Efficiency Rating Services (CHEER:<br>and cannot guarantee, the accuracy or completeness of the information contained in this document. | Registration Date/Time: 12/30/2024 15:19<br>S) using information uploaded by third parties not affiliated with or relat | HERS Provider: CHEERS<br>ted to CHEERS. Therefore, CHEERS is not | responsible for, |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------|
| CA Building Energy Efficiency Standards - 2022 Residential Compliance                                                                                                                                                                                                   | Report Version: 2022.0.000                                                                                              | Report Generated: 2024-12-30                                     |                  |
|                                                                                                                                                                                                                                                                         | Schema Version: rev 20220901                                                                                            |                                                                  |                  |
|                                                                                                                                                                                                                                                                         |                                                                                                                         |                                                                  | 4                |
|                                                                                                                                                                                                                                                                         |                                                                                                                         |                                                                  |                  |
|                                                                                                                                                                                                                                                                         |                                                                                                                         |                                                                  |                  |
|                                                                                                                                                                                                                                                                         |                                                                                                                         |                                                                  |                  |

6.92

116.34

Calculation Date/Time: 2024-12-30T11:05:25-08:00

Calculation Description: Title 24 Analysis Input File Name: Riverside County ADU 1 Bed.ribd22x REQUIRED PV SYSTEMS 01 02 03 04 06 07 08 09 10 12 05 11 Annual Azimuth (deg) Tilt Array Angle Tilt: (x in Inverter Eff. DC System Size Module Type Array Type Solar Acces Exception **Power Electronics** CFI 12) (kWdc) Input (deg) (%) (%) 150-270 2.49 NA Standard (14-17%) Fixed none n/a <=7:12 96 98 n/a REQUIRED SPECIAL FEATURES The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis. Variable capacity heat pump compliance option (verification details from VCHP Staff report, Appendix B, and RA3) Northwest Energy Efficiency Alliance (NEEA) rated heat pump water heater; specific brand/model, or equivalent, must be installed HERS FEATURE SUMMARY The following is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building tables below. Registered CF2Rs and CF3Rs are required to be completed in the HERS Registry 🗤 Quality insulation installation (QII) Indoor air quality ventilation Kitchen range hood Verified Refrigerant Charge Airflow in habitable rooms (SC3.1.4.1.7) Verified heat pump rated heating capacity Wall-mounted thermostat in zones greater than 150 ft2 (SC3.4.5) Ductless indoor units located entirely in conditioned space (SC3.1.4.1.8) **BUILDING - FEATURES INFORMATION** 01 02 03 04 05 06 07 Number of Dwelling Number of Ventilation Number of Water Number of Bedroom Number of Zones Project Name ditioned Floor Area (ft **Cooling Systems** Heating Systems Units iverside County ADU 1 Bed 1 1 0 Palm Springs

Registration Number: 424-P010328283A-000-000-00000000000 NOTICE: This document has been generated by California Home Energy Efficiency Rating Services (Cl and cannot guarantee, the accuracy or completeness of the information contained in this document. Registration Date/Time: 12/30/2024 15:19 HERS Provider: CHEERS ) using information uploaded by third parties not affiliated with or ed to CHEERS. Therefore, CHEERS is not responsible for, Report Generated: 2024-12-30 11:06:28 CA Building Energy Efficiency Standards - 2022 Residential Compliance Report Version: 2022.0.000 Schema Version: rev 20220901

| CERTIFIC                           | CATE OF COMPLIANCE - RESIDENTIAL P           | ERFORMANCE COMPLIANCE METHOD                |          |                                                | CF1R-PRF-01-E               |  |  |  |  |
|------------------------------------|----------------------------------------------|---------------------------------------------|----------|------------------------------------------------|-----------------------------|--|--|--|--|
| Project                            | Name: Riverside County ADU 1 Bed - Pa        | ılm Springs                                 | Calcu    | ation Date/Time: 2024-12-30T11:05:25-0         | 08:00 (Page 1 of 12)        |  |  |  |  |
| Calculat                           | ion Description: Title 24 Analysis           |                                             | Input    | ibd22x                                         |                             |  |  |  |  |
| GENERA                             | LINFORMATION                                 |                                             |          |                                                |                             |  |  |  |  |
| 01                                 | Project Name                                 | Riverside County ADU 1 Bed - Palm Springs   |          |                                                |                             |  |  |  |  |
| 02                                 | Run Title                                    | Title 24 Analysis                           |          |                                                |                             |  |  |  |  |
| 03                                 | Project Location                             | -                                           | a.       | 1 The Car                                      |                             |  |  |  |  |
| 04                                 | City                                         | Riverside County                            | 05       | Standards Version                              | 2022                        |  |  |  |  |
| 06                                 | Zip code                                     | 92522                                       | 07       | Software Version                               | EnergyPro 9.2               |  |  |  |  |
| 08                                 | Climate Zone                                 | 15                                          | 09       | Front Orientation (deg/ Cardinal)              | All orientations            |  |  |  |  |
| 10                                 | Building Type                                | Single family                               | 11       | Number of Dwelling Units                       | 1                           |  |  |  |  |
| 12                                 | Project Scope                                | Newly Constructed                           | 13       | Number of Bedrooms                             | 1                           |  |  |  |  |
| 14                                 | Addition Cond. Floor Area (ft <sup>2</sup> ) | 0                                           | 15       | Number of Stories                              | 1                           |  |  |  |  |
| 16                                 | Existing Cond. Floor Area (ft <sup>2</sup> ) | n/a                                         | 17       | Fenestration Average U-factor                  | 0.3                         |  |  |  |  |
| 18                                 | Total Cond. Floor Area (ft <sup>2</sup> )    | 625                                         | 19       | Glazing Percentage (%)                         | 24.21%                      |  |  |  |  |
| 20                                 | ADU Bedroom Count                            | n/a                                         | 21       | ADU Conditioned Floor Area                     | n/a                         |  |  |  |  |
| 22                                 | Fuel Type                                    | Natural gas                                 | 23       | No Dwelling Unit:                              | No                          |  |  |  |  |
| COMPLU                             | ANCE RESULTS                                 |                                             | 2 / A    |                                                |                             |  |  |  |  |
| 1992 (C. 1992) (C. 1992) (C. 1992) |                                              | Danifarman (1997)                           | <u> </u> |                                                |                             |  |  |  |  |
| 0:                                 |                                              | Building Complies with Computer Performance |          |                                                |                             |  |  |  |  |
| 02                                 |                                              |                                             | n by a c | ertified HERS rater under the supervision of a | CEC-approved HERS provider. |  |  |  |  |
| 03                                 | 3 This building incorporates one or          | more Special Features shown below           |          |                                                |                             |  |  |  |  |

| Registration Number: 424-P010328283A-000-000-0000000-0000<br>NOTICE: This document has been generated by California Home Energy Efficiency Rating Services (CHEEF<br>and cannot guarantee, the accuracy or completeness of the information contained in this document. | Registration Date/Time: 12/30/2024 15:19<br>(S) using information uploaded by third parties not affiliated with or re | HERS Provider: CHEERS<br>lated to CHEERS. Therefore, CHEERS is not responsible for |
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| CA Building Energy Efficiency Standards - 2022 Residential Compliance                                                                                                                                                                                                  | Report Version: 2022.0.000<br>Schema Version: rev 20220901                                                            | Report Generated: 2024-12-30 11:06:28                                              |

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: Riverside County ADU 1 Bed - Palm Springs Calculation Description: Title 24 Analysis

CF1R-PRF-01-E Calculation Date/Time: 2024-12-30T11:05:25-08:00 (Page 4 of 12) Input File Name: Riverside County ADU 1 Bed.ribd22x

| ENERGY USE SUMMARY                             |                                                                    |                                                                 |                                                                    |                                                                 |                             |                             |
|------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------|-----------------------------|
| Energy Use                                     | Standard Design Source<br>Energy (EDR1) (kBtu/ft <sup>2</sup> -yr) | Standard Design TDV Energy<br>(EDR2) (kTDV/ft <sup>2</sup> -yr) | Proposed Design Source<br>Energy (EDR1) (kBtu/ft <sup>2</sup> -yr) | Proposed Design TDV Energy<br>(EDR2) (kTDV/ft <sup>2</sup> -yr) | Compliance<br>Margin (EDR1) | Compliance<br>Margin (EDR2) |
| Space Heating                                  | 0.04                                                               | 0.31                                                            | 0.41                                                               | 3.04                                                            | -0.37                       | -2.73                       |
| Space Cooling                                  | 5.51                                                               | 100.31                                                          | 4.77                                                               | 96.98                                                           | 0.74                        | 3.33                        |
| IAQ Ventilation                                | 0.41                                                               | 4.3                                                             | 0.41                                                               | 4.3                                                             | 0                           | 0                           |
| Water Heating                                  | 1.96                                                               | 20.66                                                           | 1.45                                                               | 16.28                                                           | 0.51                        | 4.38                        |
| Self<br>Utilization/Flexibility<br>Credit      |                                                                    |                                                                 |                                                                    | 0                                                               |                             | 0                           |
| South Facing<br>Efficiency Compliance<br>Total | 7.92                                                               | 125.58                                                          | 7.04                                                               | 120.6                                                           | 0.88                        | 4.98                        |
| Space Heating                                  | 0.04                                                               | 0.31                                                            | 0.47                                                               | 3.52                                                            | -0.43                       | -3.21                       |
| Space Cooling                                  | 5.51                                                               | 100.31                                                          | 4.67                                                               | 93.23                                                           | 0.84                        | 7.08                        |
| IAQ Ventilation                                | 0.41                                                               | 4.3                                                             | 0.41                                                               | 4.3                                                             | 0                           | 0                           |
| Water Heating                                  | 1.96                                                               | 20.66                                                           | 1.45                                                               | 16.32                                                           | 0.51                        | 4.34                        |
| Self<br>Utilization/Flexibility<br>Credit      |                                                                    |                                                                 |                                                                    | 0                                                               |                             | 0                           |
| West Facing Efficiency<br>Compliance Total     | 7.92                                                               | 125.58                                                          | 7                                                                  | 117.37                                                          | 0.92                        | 8.21                        |

| Registration Number: 424-P010328283A-000-000-0000000-0000<br>NOTICE: This document has been generated by California Home Energy Efficiency Rating Services (CHEERS)<br>and cannot guarantee, the accuracy or completeness of the information contained in this document. | Registration Date/Time: 12/30/2024 15:19<br>using information uploaded by third parties not affiliated with or relate | HERS Provider: CHEERS<br>ed to CHEERS. Therefore, CHEERS is not responsible for, |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                          | Report Version: 2022.0.000<br>Schema Version: rev 20220901                                                            | Report Generated: 2024-12-30 11:06:28                                            |

| CERTIFICATE OF          | COMPLIANC             | E - RESIDENTIAL I       | PERFORMAN   |           | MPLIA         | NCE ME            | THOD           |                      |                                                                        |           |                               |                     |                     |           |       | CF1R-PRF-01-E    |  |
|-------------------------|-----------------------|-------------------------|-------------|-----------|---------------|-------------------|----------------|----------------------|------------------------------------------------------------------------|-----------|-------------------------------|---------------------|---------------------|-----------|-------|------------------|--|
| Project Name: R         | iverside Cou          | nty ADU 1 Bed - P       | alm Springs |           |               |                   |                | Calcula              | tion Da                                                                | te/Time   | : 2024                        | -12-30T11:          | 05:25-08:00         |           |       | (Page 7 of 12)   |  |
| Calculation Des         | <b>ription:</b> Title | e 24 Analysis           |             |           |               |                   |                | Input F              | ile Nam                                                                | e: Rivers | side Co                       | ounty ADU           | 1 Bed.ribd22x       |           |       |                  |  |
| ZONE INFORMAT           | ON                    |                         |             |           |               |                   |                |                      |                                                                        |           |                               |                     |                     |           |       |                  |  |
| 01                      |                       | 02                      |             | 03        |               |                   | - 04           | 4                    |                                                                        |           | 05                            |                     | 06                  |           |       | 07               |  |
| Zone Nam                | e                     | Zone Type               | HVAC        | System    | Name          | Z                 | one Floor      | Area (ft             | <sup>2</sup> )                                                         | Avg. Ce   | iling H                       | eight \             | Vater Heating Sy    | /stem 1   |       | Status           |  |
| ADU - 1Be               | d                     | Conditioned             | Minis       | plit ADU  | -1Bed1        |                   | 62             | 25                   |                                                                        |           | 9                             | 12                  | DHW Sys 1           | L         |       | New              |  |
| OPAQUE SURFAC           | ES                    |                         |             | -         | and a second  |                   |                |                      |                                                                        | 17        |                               |                     |                     |           |       |                  |  |
| 01                      |                       | 02                      | 0           | 3         |               |                   | 04             | -                    | 05                                                                     |           | 1                             | 06                  | 07                  | 7         |       | 08               |  |
| Name                    |                       | Zone                    | Constr      | uction    |               | Az                | imuth          | _0                   | rientatio                                                              | n         | Gross Area (ft <sup>2</sup> ) |                     | Window a<br>Area    |           |       | Tilt (deg)       |  |
| Front Wall ADU-:        | L Bed                 | ADU - 1Bed              | R-19        | Wall      |               |                   | 0              |                      | Front                                                                  | 8         |                               | 153                 | 52                  | 2         |       | 90               |  |
| Right Wall ADU-2        | Bed                   | ADU - 1Bed              | R-19        | Wall      |               |                   | 270 Right      |                      | Right                                                                  | 1         | 294                           |                     | 15                  |           |       | 90               |  |
| Back Wall ADU-1         | Bed                   | ADU - 1Bed              | R-15        | Wall      | 1             |                   | 180            |                      | Back                                                                   |           | 1                             | 153                 | 18                  | 3         |       | 90               |  |
| Left Wall ADU-1         | Bed                   | ADU - 1Bed              | R-19        | Wall      |               |                   | 90             |                      | Left                                                                   | - 2       |                               | 294                 | 66.                 | 6.3       |       | 90               |  |
|                         |                       |                         |             | 17. an an | in the second |                   | -<br>-         |                      |                                                                        |           | 20                            |                     |                     |           |       |                  |  |
| OPAQUE SURFAC           |                       |                         | -           |           |               | т.<br>2.<br>      | ×              | R <sup>2</sup>       |                                                                        | <u>.</u>  |                               |                     | 100.00              | -         |       |                  |  |
| 01                      | 02                    | 03                      | 04          |           | 0             | 5                 | 0              | 6                    |                                                                        | 07        |                               | 08                  | 09                  | 10        |       | 11               |  |
| Name                    | Zone                  | Construction            | Azimut      | h         | Orien         | entation Area (ft |                | _(ft <sup>2</sup> )— | ft <sup>2</sup> ) Skylight Ar<br>(ft <sup>2</sup> ) (ft <sup>2</sup> ) |           | Roo                           | f Rise (x in<br>12) | Roof<br>Reflectance | Roof Emit | tance | Cool Roof        |  |
| Roof (cath)<br>ADU1 Bed | ADU - 1Bec            | R-30 Roof No<br>Attic   | 270_        |           | Rig           | ght               | ht 625         |                      | 625 0 3                                                                |           | 3                             | 0.1                 | 0.85                |           | No    |                  |  |
|                         |                       |                         |             |           | -             | 1                 |                | l                    |                                                                        | 1         |                               | <u>} / </u>         |                     |           |       |                  |  |
| FENESTRATION /          | GLAZING               |                         |             |           | T             |                   |                |                      |                                                                        |           | No.                           |                     |                     |           |       |                  |  |
| 01                      | 02                    | 03                      | 04          | 05        |               | 06                | 07             | 08                   | 09                                                                     | 1         | 0                             | - 11                | 12                  | 13        |       | 14               |  |
| Name                    | Туре                  | Surface                 | Orientation | Azim      | uth           | Width<br>(ft)     | Height<br>(ft) | Mult.                | Area<br>(ft <sup>2</sup> )                                             | U-fa      | ctor                          | U-factor<br>Source  | SHGC                | SHGC Sou  | rce   | Exterior Shading |  |
| Window #A               | Window                | Front Wall<br>ADU-1 Bed | Front       | 0         |               |                   |                | 1                    | 12                                                                     | 0.        | 3                             | NFRC                | 0.23                | NFRC      |       | Bug Screen       |  |
| Front Door #1           | Window                | Front Wall<br>ADU-1 Bed | Front       | 0         |               |                   |                | 1                    | 20                                                                     | 0.        | 3                             | NFRC                | 0.23                | NFRC      |       | Bug Screen       |  |

North Facing East Facing South Facing West Facing

> <sup>1</sup>Efficiency EDR includes improvements <sup>2</sup>Total EDR includes efficiency and demar <sup>3</sup>Building complies when source energy, Standard Design PV Capacity: 2.49 Proposed PV Capacity Scaling: Nort

| Iculation Description: Title | 24 Analysis           |                          | Input File Nam                               | ne: Riverside Co   | unty ADU 1 Bed.ribd22x                |                   |
|------------------------------|-----------------------|--------------------------|----------------------------------------------|--------------------|---------------------------------------|-------------------|
| NERGY USE INTENSITY          |                       |                          |                                              |                    |                                       |                   |
|                              | Standard Design (kBtu | ı/ft <sup>2</sup> - yr ) | Proposed Design (kBtu/ft <sup>2</sup> - yr ) | Compliance         | e Margin (kBtu/ft <sup>2</sup> - yr ) | Margin Percentage |
| North Facing                 |                       | 1 all                    |                                              | Pring - Street and |                                       |                   |
| Gross EUI <sup>1</sup>       | 31.1                  |                          | 29.91                                        |                    | 1.19                                  | 3.83              |
| Net EUI <sup>2</sup>         | 7.88                  | a de la                  | 6.69                                         | 111                | 1.19                                  | 15.1              |
| East Facing                  | •                     |                          |                                              | and a fail         |                                       |                   |
| Gross EUI <sup>1</sup>       | 31.1                  |                          | 29.82                                        | Star Look          | 1.28                                  | 4.12              |
| Net EUI <sup>2</sup>         | 7.88                  | Sec. 1.                  | 6.6                                          |                    | 1.28                                  | 16.24             |
| South Facing                 |                       |                          |                                              |                    |                                       |                   |
| Gross EUI <sup>1</sup>       | 31.1                  |                          | 3 <u>0</u> .16                               |                    | 0.94                                  | 3.02              |
| Net EUI <sup>2</sup>         | 7.88                  | Contractor and           | 6.94                                         |                    | 0.94                                  | 11.93             |
| West Facing                  | •                     |                          |                                              | S                  |                                       |                   |
| Gross EUI <sup>1</sup>       | 31.1                  |                          | -29.66                                       |                    | 1.44                                  | 4.63              |
| Net EUI <sup>2</sup>         | 7.88                  |                          | 6.43                                         |                    | 1.45                                  | 18.4              |

Registration Number: 424-P010328283A-000-000-0000000-0000 NOTICE: This document has been generated by California Home Energy Efficiency Rating Services and cannot guarantee, the accuracy or completeness of the information contained in this document CA Building Energy Efficiency Standards - 2022 Residential Compliance

|                      | iverside Co | <b>CE - RESIDENTIA</b><br>unty ADU 1 Bed -<br>le 24 Analysis |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         | ANCE ME       | THOD                |          |                            | •       | 024-12-30T11:<br>e County ADU |      | x        | CF1R-PRF-01-<br>(Page 8 of 12 |
|----------------------|-------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------|---------------------|----------|----------------------------|---------|-------------------------------|------|----------|-------------------------------|
| ENESTRATION / O      | GLAZING     |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |               |                     |          |                            |         |                               |      |          |                               |
| 01                   | 02          | 03                                                           | 04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 05      | 06            | _ 07                | 08       | 09                         | 10      | 11                            | 12   | 13       | 14                            |
| Name                 | Туре        | Surface                                                      | Orientation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Azimuth | Width<br>(ft) | Height<br>(ft)      | Mult.    | Area<br>(ft <sup>2</sup> ) | U-facto | r U-factor<br>Source          | SHGC | SHGC Sou | rce Exterior Shading          |
| Sidelights (2)<br>#G | Window      | Front Wall<br>ADU-1 Bed                                      | Front                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0       |               |                     | <b>1</b> | 20                         | 0.3     | NFRC                          | 0.23 | NFRC     | Bug Screen                    |
| Window #B            | Window      | Right Wall<br>ADU-1 Bed                                      | Right                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 270     |               |                     | 1        | 9                          | 0.3     | NFRC                          | 0.23 | NFRC     | Bug Screen                    |
| Window #C            | Window      | Right Wall<br>ADU-1 Bed                                      | Right                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 270     |               | 1                   | 1        | 6                          | 0.3     | a NFRC                        | 0.23 | NFRC     | Bug Screen                    |
| Window (2) #D        | Window      | Back Wall<br>ADU-1 Bed                                       | Back                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 180     |               |                     | 1        | 18                         | 0.3     | NFRC                          | 0.23 | NFRC     | Bug Screen                    |
| Window #E            | Window      | Left Wall<br>ADU-1 Bed                                       | Left                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 90      |               |                     | 1        | 15                         | 0.3     | NFRC                          | 0.23 | NFRC     | Bug Screen                    |
| SGDoor #2            | Window      | Left Wall<br>ADU-1 Bed                                       | Left                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 90      |               |                     | 1        | 33.3                       | 0.3     | NFRC                          | 0.23 | NFRC     | Bug Screen                    |
| Window #F            | Window      | Left Wall<br>ADU-1 Bed                                       | Left                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 90      |               | 21 A<br>- 1 - 1 - 1 | - 1      | 18-                        | 0.3     | NFRC                          | 0.23 | NFRC     | Bug Screen                    |
|                      |             |                                                              | 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19 | 450 P   | 1             |                     | -        | 1                          |         |                               |      |          |                               |
| SLAB FLOORS          |             |                                                              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | e.      |               | ļ                   | <u> </u> | - 17                       | N. S.   | ant (                         |      |          |                               |
| 01                   |             | 02                                                           | 03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         | 04            |                     |          | 05                         |         | 06                            |      | 07       | 08                            |

Name Zone Slab-on-Grade ADU-1 ADU - 1Bed Bed

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| ERTIFICATE OF COMPLIANCE - RESIDENTI<br>roject Name: Riverside County ADU 1 Bed<br>alculation Description: Title 24 Analysis                                                             |                         | MPLIANCE METHOD                                 |                                       | <b>ne:</b> 2024-12-30T11:05<br>erside County ADU 1 B |                                                 | CF1R-PRF-01<br>(Page 2 of 1           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------|---------------------------------------|------------------------------------------------------|-------------------------------------------------|---------------------------------------|
| NERGY DESIGN RATINGS                                                                                                                                                                     |                         |                                                 |                                       | erside County ADO 1 E                                | ed.fibd22x                                      |                                       |
|                                                                                                                                                                                          |                         | Energy Design Ratings                           |                                       |                                                      | Compliance Margins                              |                                       |
|                                                                                                                                                                                          | Source Energy<br>(EDR1) | Efficiency <sup>1</sup> EDR<br>(EDR2efficiency) | Total <sup>2</sup> EDR<br>(EDR2total) | Source Energy<br>(EDR1)                              | Efficiency <sup>1</sup> EDR<br>(EDR2efficiency) | Total <sup>2</sup> EDR<br>(EDR2total) |
| Standard Design                                                                                                                                                                          | 34.9                    | 40.7                                            | 25.8                                  |                                                      |                                                 |                                       |
|                                                                                                                                                                                          |                         | Propos                                          | ed Design                             | 1                                                    |                                                 |                                       |
| North Facing                                                                                                                                                                             | 33.2                    | 38.3                                            | 24.3                                  | 1.7                                                  | 2.4                                             | 1.5                                   |
| East Facing                                                                                                                                                                              | 32.8                    | 37.7                                            | 23.9                                  | 2.1                                                  | 3                                               | 1.9                                   |
| South Facing                                                                                                                                                                             | 33                      | 39.1                                            | 24.7                                  | 1.9                                                  | 1.6                                             | 1.1                                   |
| West Facing                                                                                                                                                                              | 32.9                    | 38                                              | 24.1                                  | 2                                                    | 2.7                                             | 1.7                                   |
|                                                                                                                                                                                          |                         | RESUL                                           | T <sup>3</sup> : PASS                 |                                                      |                                                 |                                       |
| <sup>1</sup> Efficiency EDR includes improvements like a bd<br><sup>2</sup> Total EDR includes efficiency and demand resp<br><sup>3</sup> Building complies when source energy, efficien | onse measures such as   | photovoltaic (PV) system                        | and batteries                         | met load hour limits are                             | not exceeded                                    |                                       |

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| 1                       |                |                                  | No. The American                 |                   | -      |
|-------------------------|----------------|----------------------------------|----------------------------------|-------------------|--------|
| 03                      | 04             | 05                               | <b>06</b>                        | 07                | 08     |
| Area (ft <sup>2</sup> ) | Perimeter (ft) | Edge Insul. R-value<br>and Depth | Edge Insul. R-value<br>and Depth | Carpeted Fraction | Heated |
| 625                     | 82             | none                             | 0                                | 80%               | No     |
|                         |                |                                  |                                  |                   |        |

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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS:

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### project

revisions

<u>\_01</u>

County of Riverside Pre-Approved ADU Program

# description Example Energy Calculations

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
| sheet no. 🗕 | Γ24.1              |

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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: Riverside County ADU 1 Bed - Palm Springs Calculation Description: Title 24 Applysis

#### Calculation Date/Time: 2024-12-30T11:05:25-08:00 Innut File Name, Bivarrida County ADU 1 Rod ribd??v

CF1R-PRF-01-E (Page 9 of 12)

| Calculation Descrip  | otion: Title 24 A              | nalysis    |                    |              |         | Input                                    | File Name: Ri           | verside Co | unty ADl                                     | J 1 Bed.rib     | d22x                                     |                                                                                    |  |
|----------------------|--------------------------------|------------|--------------------|--------------|---------|------------------------------------------|-------------------------|------------|----------------------------------------------|-----------------|------------------------------------------|------------------------------------------------------------------------------------|--|
| OPAQUE SURFACE CO    | ONSTRUCTIONS                   |            |                    |              |         |                                          |                         |            |                                              |                 |                                          |                                                                                    |  |
| 01                   | C                              | 2          | 03                 |              |         | 04                                       | 05                      | 0          | 06                                           |                 |                                          | )8                                                                                 |  |
| Construction Nan     | Construction Name Surface Type |            | Constructio        | on Type      |         | raming                                   | Total Cavity<br>R-value | Contin     | Interior / Exterior<br>Continuous<br>R-value |                 | Assemb                                   | ly Layers                                                                          |  |
| R-19 Wall            | Exteric                        | or Walls   | Wood Fram          | ed Wall      | 2x6 @   | 9 16 in. O. C.                           | R-19                    | None /     | <sup>/</sup> None                            | 0.074           | Cavity / Frame: R-19<br>2                | Gypsum Board<br>9 in 5-1/2 in. (R-18) /<br>x6<br>: 3 Coat Stucco                   |  |
| R-15 Wall            | Exteric                        | r Walls    | Wood Fram          | ed Wall      | 2x4 @   | 0 16 in. O. C.                           | R-15                    | None /     | <sup>/</sup> None                            | 0.095           | Cavity / Fran                            | Gypsum Board<br>ne: R-15 / 2x4<br>: 3 Coat Stucco                                  |  |
| R-30 Roof No Atti    | ic Cathedra                    | I Ceilings | Wood Fra<br>Ceilin |              | 2x10 @  | @ 16 in. O. C.                           | R-30                    | None /     | <sup>/</sup> None                            | 0.037           | Roof De<br>Siding/sheat<br>Cavity / Fram | of (Asphalt Shingle)<br>ck: Wood<br>hing/decking<br>e: R-30 / 2x10<br>Gypsum Board |  |
|                      |                                |            |                    |              |         | 11 100                                   | 1                       |            |                                              |                 |                                          |                                                                                    |  |
| BUILDING ENVELOPE    | - HERS VERIFICA                | TION       |                    |              |         |                                          | -                       |            |                                              |                 |                                          |                                                                                    |  |
| 01                   |                                |            | 02                 | 02           |         |                                          | - 03 - 1                |            | 04                                           |                 | 05                                       |                                                                                    |  |
| Quality Insulation I | nstallation (QII)              | High R-va  | lue Spray Foan     | n Insulation | Buil    | uilding Envelope Air Leakage             |                         |            | CFM50                                        |                 | CFM50                                    |                                                                                    |  |
| Requir               | ed                             |            | Not Required       |              |         | N/A                                      |                         | 15         | n/a                                          |                 |                                          | n/a                                                                                |  |
|                      |                                |            |                    |              |         |                                          |                         |            |                                              |                 |                                          |                                                                                    |  |
| WATER HEATING SYS    | TEMS                           |            |                    |              |         | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |                         | -          | 1                                            |                 |                                          |                                                                                    |  |
| 01                   | 02                             |            | 03                 | 04           |         | 05                                       | 0                       | 6          | (                                            | )7              | 08                                       | 09                                                                                 |  |
| Name                 | System Type                    | Distr      | ibution Type       | Water Heat   | er Name | Number of Uni                            | ts Solar H<br>Syst      | -          |                                              | npact<br>bution | HERS Verification                        | Water Heater<br>Name (#)                                                           |  |
| DHW Sys 1            | Domestic Ho<br>Water (DHW)     |            | Standard           | DHW He       | ater 1  | 1                                        | n/                      | ′a         | No                                           | one             | n/a                                      | DHW Heater 1 (1)                                                                   |  |

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CF1R-PRF-01-E CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: Riverside County ADU 1 Bed - Palm Springs Calculation Date/Time: 2024-12-30T11:05:25-08:00 (Page 12 of 12) Input File Name: Riverside County ADU 1 Bed.ribd22x Calculation Description: Title 24 Analysis DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

| 1. I certify that this Certificate of Compliance documentation is accurate and con                                                                                                      | nplete.                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Documentation Author Name:                                                                                                                                                              | Documentation Author Signature:                                                                                                                                              |
| Yvonne St. Pierre                                                                                                                                                                       | Yvonne St. Pierre                                                                                                                                                            |
| Company:                                                                                                                                                                                | Signature Date:                                                                                                                                                              |
| Design Path Studio                                                                                                                                                                      | 12/30/2024                                                                                                                                                                   |
| Address:                                                                                                                                                                                | CEA/ HERS Certification Identification (If applicable):                                                                                                                      |
| P.O. Box 230165                                                                                                                                                                         |                                                                                                                                                                              |
| City/State/Zip:                                                                                                                                                                         | Phone:                                                                                                                                                                       |
| Encinitas, CA 92023                                                                                                                                                                     | (760) 484-0253                                                                                                                                                               |
| RESPONSIBLE PERSON'S DECLARATION STATEMENT                                                                                                                                              |                                                                                                                                                                              |
| I certify the following under penalty of perjury, under the laws of the State of California:                                                                                            |                                                                                                                                                                              |
| 1. I am eligible under Division 3 of the Business and Professions Code to accept r                                                                                                      | responsibility for the building design identified on this Certificate of Compliance.                                                                                         |
|                                                                                                                                                                                         | this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.                                             |
| <ol> <li>The building design features or system design features identified on this Certifical calculations, plans and specifications submitted to the enforcement agency for</li> </ol> | ficate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets,<br>r approval with this building permit application. |
| Responsible Designer Name:                                                                                                                                                              | Responsible Designer Signature:                                                                                                                                              |
| Yvonne St. Pierre                                                                                                                                                                       | Yvonne St. Pierre                                                                                                                                                            |
| Company:                                                                                                                                                                                | Date Signed:                                                                                                                                                                 |
| Design Path Studio                                                                                                                                                                      | 12/30/2024                                                                                                                                                                   |
| Address:                                                                                                                                                                                | Licenše:                                                                                                                                                                     |
| P.O. Box 230165                                                                                                                                                                         |                                                                                                                                                                              |
| City/State/Zip:                                                                                                                                                                         | Phone:                                                                                                                                                                       |
| Encinitas, CA 92023                                                                                                                                                                     | (760) 484-0253                                                                                                                                                               |
|                                                                                                                                                                                         |                                                                                                                                                                              |

Digitally signed by California Home Energy Efficiency Rating Services (CHEERS). This digital signature is provided in order to secure the content of this registered document, and in no way implies Registration Provider responsibility for the accuracy of the information.

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| CA Building Energy Efficiency Standards - 2022 Residential Compliance                                                                                                                                                                                                   | Report Version: 2022.0.000                                                                                             | Report Generated: 2024-12-30 11:06:28                                             |

Schema Version: rev 20220901

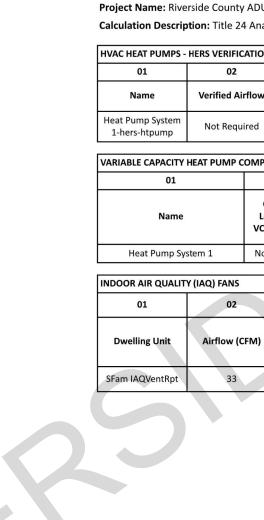
|                | 2022 Single-Family Residential Mandatory Requirements Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| § 110.5:       | Pilot Lights. Continuously burning pilot lights are prohibited for natural gas: fan-type central furnaces; household cooking appliances<br>(except appliances without an electrical supply voltage connection with pilot lights that consume less than 150 Btu per hour ); and pool ar<br>spa heaters. *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| § 150.0(h)1:   | Building Cooling and Heating Loads. Heating and/or cooling loads are calculated in accordance with the ASHRAE Handbook,<br>Equipment Volume, Applications Volume, and Fundamentals Volume; the SMACNA Residential Comfort System Installation<br>Standards Manual; or the ACCA Manual J using design conditions specified in § 150.0(h)2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| § 150.0(h)3A:  | Clearances. Air conditioner and heat pump outdoor condensing units must have a clearance of at least five feet from the outlet of any<br>dryer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| § 150.0(h)3B:  | Liquid Line Drier. Air conditioners and heat pump systems must be equipped with liquid line fiter driers if required, as specified by the manufacturer's instructions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| § 150.0(j)1:   | Water Piping, Solar Water-heating System Piping, and Space Conditioning System Line Insulation. All domestic hot water<br>piping must be insulated as specified in § 609.11 of the California Plumbing Code. *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| § 150.0(j)2:   | Insulation Protection. Piping insulation must be protected from damage, including that due to sunlight, moisture, equipment'<br>maintenance, and wind as required by §120.3(b). Insulation exposed to weather must be water retardant and protected from UV light (ne<br>adhesive tapes). Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space must<br>include, or be protected by, a Class I or Class II vapor retarder. Pipe insulation buried below grade must be installed in a waterproof and<br>non-crushable casing or sleeve.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| § 150.0(n)1:   | Gas or Propane Water Heating Systems. Systems using gas or propane water heaters to serve individual dwelling units must<br>designate a space at least 2.5 x 2.5 x 7 suitable for the future installation of a heat pump water heater, and meet electrical and<br>plumbing requirements, based on the distance between this designated space and the water heater location; and a condensate drain no<br>more than 2 <sup>r</sup> higher than the base of the water heater                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| § 150.0(n)3:   | Solar Water-heating Systems. Solar water-heating systems and collectors must be certified and rated by the Solar Rating and Certification Corporation (SRCC), the International Association of Plumbing and Mechanical Officials, Research and Testing (IAPMO R&T), or by a listing agency that is approved by the executive director.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ucts and Fans: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| § 110.8(d)3:   | Ducts. Insulation installed on an existing space-conditioning duct must comply with § 604.0 of the California Mechanical Code (CMC). If<br>contractor installs the insulation, the contractor must certify to the customer, in writing, that the insulation meets this requirement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| § 150.0(m)1:   | CMC Compliance. All air-distribution system ducts and plenums must meet CMC §§ 601.0-605.0 and ANSI/SMACNA-006-2006 HVAC<br>Duct Construction Standards Metal and Flexible 3rd Edition. Portions of supply-air and return-air ducts and plenums must be insulated to<br>R-6.0 or higher; ducts located entirely in conditioned space as confirmed through field verification and diagnostic testing (RA3.1.4.3.8)<br>do not require insulation. Connections of metal ducts and inner core of flexible ducts must be mechanically fastened. Openings must be<br>sealed with mastic, tape, or other duct-closure system that meets the applicable UL requirements, or aerosol sealant that meets UL 723<br>The combination of mastic and either mesh or tape must be used to seal openings greater than ½", if mastic or tape is used. Building<br>cavities, air handler support platforms, and plenums designed or constructed with materials other than sealed sheet metal, duct board o<br>flexible duct must not be used to convey conditicned air. Building cavities and support platforms may contain ducts; ducts installed in |
|                | these spaces must not be compressed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| § 150.0(m)2:   | Factory-Fabricated Duct Systems. Factory-fabricated duct systems must comply with applicable requirements for duct construction,<br>connections, and closures; joints and seams of duct systems and their components must not be sealed with cloth back rubber adhesive<br>duct tapes unless such tape is used in combination with mastic and draw bands.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| § 150.0(m)3:   | Field-Fabricated Duct Systems. Field-fabricated duct systems must comply with applicable requirements for: pressure-sensitive tapes<br>mastics, sealants, and other requirements specified for duct construction.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| § 150.0(m)7:   | Backdraft Damper. Fan systems that exchange air between the conditioned space and outdoors must have backdraft or automatic<br>dampers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| § 150.0(m)8:   | Gravity Ventilation Dampers. Gravity ventilating systems serving conditioned space must have either automatic or readily accessible,<br>manually operated dampers in all openings to the outside, except combustion inlet and outlet air openings and elevator shaft vents.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| § 150.0(m)9:   | Protection of Insulation. Insulation must be protected from damage due tosunlight, moisture, equipment maintenance, and wind.<br>Insulation exposed to weather must be suitable for outdoor service (e.g., protected by aluminum, sheet metal, painted canvas, or plastic<br>cover). Cellular foam insulation must be protected as above or painted with a water retardant and solar radiation-resistant coating.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| § 150.0(m)10:  | Porous Inner Core Flex Duct. Porous inner cores of flex ducts must have a non-porous layer or air barrier between the inner core and outer vapor barrier.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| § 150.0(m)11:  | Duct System Sealing and Leakage Test. When space conditioning systems use forced air duct systems to supply conditioned air to an<br>occupiable space, the ducts must be sealed and duct leakage tested, as confirmed through field verification and diagnostic testing, in<br>accordance with Reference Residential Appendix RA3.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| § 150.0(m)12:  | Air Filtration. Space conditioning systems with ducts exceeding 10 feet and the supply side of ventilation systems must have MERV 13<br>or equivalent filters. Filters for space conditioning systems must have a two inch depth or can be one inch if sized per Equation 150.0-A.<br>Clean-filter pressure drop and labeling must meet the requirements in §150.0(m)12. Filters must be accessible for regular service. Filter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

racks or grilles must use gaskets, sealing, or other means to close gaps around the inserted filters to and prevents air from bypassing the

#### **CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD** Calculation Date/Time: 2024-12-30T11:05:25-08:00 Project Name: Riverside County ADU 1 Bed - Palm Springs

| Calculation Description: Title 24 Analysis |  |
|--------------------------------------------|--|
| WATER HEATERS - NEEA HEAT PUMP             |  |

| VATER HEATERS - NE     | EA HEA  | AT PUMP                  |                    |                       |              |                                           |                    |                                         |               |                      |                     |                   |                       |                    |                                     |                                  |
|------------------------|---------|--------------------------|--------------------|-----------------------|--------------|-------------------------------------------|--------------------|-----------------------------------------|---------------|----------------------|---------------------|-------------------|-----------------------|--------------------|-------------------------------------|----------------------------------|
| 01                     |         | 02                       |                    | 03                    |              | week -                                    | 04                 |                                         | 0             | 5                    |                     | 06                |                       | 07                 |                                     | 08                               |
| Name                   |         | # of Units               | Ta                 | ınk Vol. (            | gal)         | NEEA                                      | A Heat Pu<br>Brand | mp N                                    | NEEA He<br>Mo | 1                    | p                   | Tank Location Duc |                       | t Inlet Air Sour   | ce D                                | uct Outlet Air Source            |
| DHW Heater 1           |         | 1                        |                    | 40                    |              | 2 - 3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | Rheem              | PROPH40 T2<br>RH375SO (40 gal,<br>JA13) |               | Outside              |                     | ADU - 1Bed        |                       | ADU - 1Bed         |                                     |                                  |
|                        |         |                          |                    |                       | -            |                                           | <u>.</u>           | er<br>1                                 |               | 192                  |                     | <i>v</i>          |                       |                    |                                     |                                  |
| VATER HEATING - HE     | RS VER  |                          |                    |                       | . <u></u>    |                                           |                    |                                         | <u> 11 -</u>  | _                    |                     | _                 |                       | -                  |                                     |                                  |
| 01                     |         | 02                       |                    |                       | 03           |                                           | or is a            | 04                                      |               |                      | 05                  |                   |                       | 06                 |                                     | 07                               |
| Name                   |         | Pipe Insu                | ulation            | Pa                    | arallel I    | Piping                                    | Com                | ipact Distril                           | bution        | Co                   | mpact Dis<br>Type   |                   | Recircula             | tion Control       | Shower Drain Water Heat<br>Recovery |                                  |
| DHW Sys 1 - 1/1        |         | Not Rec                  | Juired             | Ν                     | lot Req      | uired                                     |                    | Not Require                             | ed            |                      | None                | e                 | Not Required          |                    | Not Required                        |                                  |
|                        |         |                          |                    |                       |              |                                           |                    | 5                                       |               |                      | and and             |                   | •                     |                    |                                     |                                  |
| PACE CONDITIONIN       | G SYSTI | EMS                      |                    |                       |              |                                           |                    | 1.1.1                                   | 1             |                      |                     |                   |                       |                    |                                     |                                  |
| 01                     |         | 02                       | 03                 |                       |              | 04                                        |                    | 05                                      |               | , F                  | 06                  |                   | 07 08                 |                    |                                     | 09                               |
| Name                   | Sys     | stem Type                | Heating Un         | it Name               | Heat         | ing Equipn<br>Count                       | nent Co            | oling Unit N                            | lame          |                      | ; Equipmer<br>Count | nt Fa             | n Name                | Distribution N     | Name                                | Required<br>Thermostat Type      |
| Minisplit<br>ADU-1Bed1 |         | eat pump<br>ting cooling | Heat Pump<br>1     | System                | 1947<br>1977 | 1                                         | He                 | at Pump Sy<br>1                         | stem          | ίŢ-<br>ξ             | 1                   | n/a               |                       | n/a                |                                     | Setback                          |
|                        |         |                          |                    | n<br>1                |              | 1 N<br>                                   |                    |                                         |               |                      |                     | <u>.</u>          |                       |                    |                                     |                                  |
| IVAC - HEAT PUMPS      |         |                          |                    |                       | 1.1.1        |                                           |                    |                                         |               | -                    | the second          |                   |                       |                    |                                     |                                  |
| 01                     |         | 02                       | 03                 | <sup>6</sup> . 04     | 4            | 05                                        | 06                 | 07                                      | 0             | 8                    | 09                  | - 10              | 11                    | 12                 |                                     | 13                               |
|                        |         |                          |                    |                       |              | Heati                                     | ng                 |                                         |               |                      | Cooling             |                   |                       |                    |                                     |                                  |
| Name                   | Sys     | tem Type                 | Number of<br>Units | Heat<br>Effici<br>Tyj | ency         | HSPF/HS<br>PF2/COP                        | Cap 47             | Cap 17                                  | Effici        | oling<br>iency<br>pe | SEER/SE<br>ER2      | EER/EER<br>2/CEER | Zonally<br>Controlled | Compressor<br>Type | -                                   | HERS Verification                |
| Heat Pump<br>System 1  | VCH     | IP-ductless              | 1                  | HS                    | PF           | 8.2                                       | 18000              | 14400                                   | EER:          | SEER                 | 14                  | 11.7              | Not Zonal             | Single<br>Speed    | H                                   | eat Pump System<br>1-hers-htpump |



Registration Number: 424-P010328283A-000-000-0000000-0000 DTICE: This document has been generated by California Home Energy Efficiency Rating Services ( nd cannot guarantee, the accuracy or completeness of the information contained in this document CA Building Energy Efficiency Standards - 2022 Residential Compliance

HERS Provider: CHEERS Registration Date/Time: 12/30/2024 15:19 mation uploaded by third parties not affiliated with or re Report Version: 2022.0.000

Input File Name: Riverside County ADU 1 Bed.ribd22x

Report Generated: 2024-12-30 11:06:28 Schema Version: rev 20220901

CF1R-PRF-01-E

(Page 10 of 12)

RESIDENTIAL MEASURES SUMMARY RMS-1 Building Type I Single Family Addition Alone Multi Family Existing+ Addition/Alteration 12/30/20 erside County ADU 1 Bed alifornia Energy Climate Zone Total Cond. Floor Area Addition # of Un CA Climate Zone 15 625 Riverside Cou n/a NSULATION onstruction Typ  $(ft^2)$ Special Features Cavity Wood Framed R 19 Vew Wood Framed Wood Framed Rafter R 30 625 New Unheated Slab-on-Grade - no insulation 625 Perim = 82 New 
 FENESTRATION
 Total Area:
 151
 Glazing Percentage:
 24.2%
 New/Altered Average U-Factor

 Orientation
 Area(ft<sup>2</sup>)
 U-Fac
 SHGC
 Overhang
 Sidefins
 Exterior Shades
 FENESTRATION Status 0.23 none none ncne New New HVAC SYSTEMS Thermostat Status Min. Eff Cooling Min. Eff Qty. Heating 8.20 HSPF Split Heat Pump 14.0 SEER Electric Heat Pump Setback HVAC DISTRIBUTION Cooling Duct Location Location Heating R-Value Status nisplit ADU-1Bed Ductless / with Fan Ductless n/a n/a New WATER HEATING Qty. Type Gallons Min. Eff Distribution Status Standar New

2022 Single-Family Residential Mandatory Requirements Summary

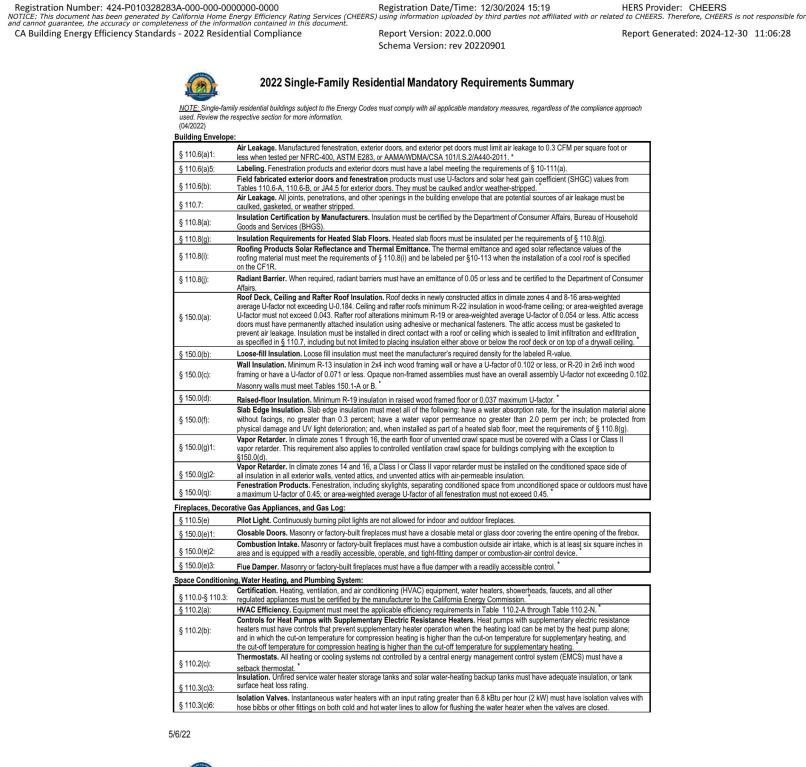
eference Residential Appendix RA3.3. \*

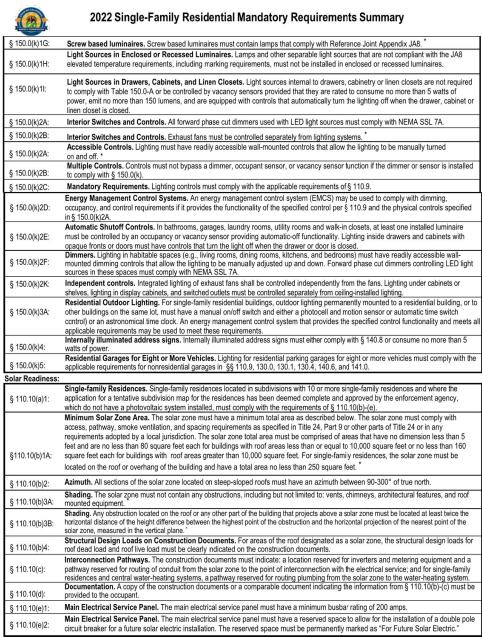
§ 150.0(m)13:

Space Conditioning System Airflow Rate and Fan Efficacy. Space conditioning systems that use ducts to supply cooling must have a hole for the placement of a static pressure probe, or a permanently installed static pressure probe in the supply plenum. Alflow must be ≥ 350 CFM per ton of nominal cooling capacity, and an air-handling unit fan efficacy ≤ 0.45 watts per CFM for gas furnace air handlers and ≤ 0.58 watts per CFM for all others. Small duct high velocity systems must provide an airflow ≥ 250 CFM per ton of nominal cooling capacity, and an air-handling unit fan efficacy ≤ 0.62 watts per CFM. Field verification testing is required in accordance with

| § 150.0(o)1:    | Requirements for Ventilation and Indoor Air Quality. All dwelling units must meet the requirements of ASHRAE Standard 62.2,<br>Ventilation and Acceptable Indoor Air Quality in Residential Buildings subject to the amendments specified in § 150.0(o)1. *                                                                                                                                                                                                                                                                                                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| § 150.0(o)1B:   | Central Fan Integrated (CFI) Ventilation Systems. Continuous operation of CFI air handlers is not allowed to provide the whole-<br>dwelling unit ventilation airflow required per §150.0(o)1C. A motorized damper(s) must be installed on the ventilation duct(s) that<br>prevents all airflow through the space conditioning duct system when the damper(s) is closed and controlled per §150.0(o)1Biili&iv. CFI<br>ventilation systems must have controls that track outdoor air ventilation run time, and either open or close the motorized damper(s) for<br>compliance with §150.0(o)1C. |
| § 150.0(o)1C:   | Whole-Dwelling Unit Mechanical Ventilation for Single-Family Detached and townhouses. Single-family detached dwelling units,<br>and attached dwelling units not sharing ceilings or floors with other dwelling units, occupiable spaces, public garages, or commercial<br>spaces must have mechanical ventilation airflow specified in § 150.0(o)1Ci-iii.                                                                                                                                                                                                                                     |
| § 150.0(o)1G:   | Local Mechanical Exhaust. Kitchens and bathrooms must have local mechanical exhaust; nonenclosed kitchens must have demand-<br>controlled exhaust system meeting requirements of §150.0(o)1Giii,enclosed kitchens and bathrooms can use demand-controlled or<br>continuous exhaust meeting §150.0(o)1Giii-iv. Airflow must be measured by the installer per §150.0(o)1GV, and rated for sound per<br>§150.0(o)1GV.*                                                                                                                                                                           |
| § 150.0(o)1H&I: | Airflow Measurement and Sound Ratings of Whole-Dwelling Unit Ventilation Systems. The airflow required per § 150.0(o)1C must<br>be measured by using a flow hood, flow grid, or other airflow measuring device at the fan's inlet or outlet terminals/griles per Reference<br>Residential Appendix RA3.7. Whole-Dwelling unit ventilation systems must be rated for sound per ASHRAE 62.2 §7.2 at no less than the<br>minimum airflow rate required by §150.0(o)1C.                                                                                                                           |
| § 150.0(o)2:    | Field Verification and Diagnostic Testing. Whole-Dwelling Unit ventilation airflow, vented range hood airflow and sound rating,<br>and HRV and ERV fan efficacy must be verified in accordance with Reference Residential Appendix RA3.7. Vented range hoods<br>must be verified per Reference Residential Appendix RA3.7.4.3 to confirm if it is rated by HVI or AHAM to comply with the airflow<br>rates and sound requirements per §150.0(o)1G                                                                                                                                             |
| ool and Spa Sys | tems and Equipment:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| § 110.4(a):     | Certification by Manufacturers. Any pool or spa heating system or equipment must be certified to have all of the following: compliance<br>with the Appliance Efficiency Regulations and listing in MAEDbS; an on-off switch mounted outside of the heater that allows shutting off<br>the heater without adjusting the thermostat setting; a permanent weatherproof plate or card with operating instructions; and must not<br>use electric resistance heating.*                                                                                                                              |
| § 110.4(b)1:    | Piping. Any pool or spa heating system or equipment must be installed with at least 36 inches of pipe between the filter and the heater, or dedicated suction and return lines, or built-in or built-up connections to allow for future solar heating.                                                                                                                                                                                                                                                                                                                                        |
| § 110.4(b)2:    | Covers. Outdoor pools or spas that have a heat pump or gas heater must have a cover.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| § 110.4(b)3:    | Directional Inlets and Time Switches for Pools. Pools must have directional inlets that adequately mix the pool water, and a time<br>switch that will allow all pumps to be set or programmed to run only during off-peak electric demand periods.                                                                                                                                                                                                                                                                                                                                            |
| § 110.5:        | Pilot Light. Natural gas pool and spa heaters must not have a continuously burning pilot light.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| § 150.0(p):     | Pool Systems and Equipment Installation. Residential pool systems or equipment must meet the specified requirements for pump<br>sizing, flow rate, piping, filters, and valves.                                                                                                                                                                                                                                                                                                                                                                                                               |
| .ighting:       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| § 110.9:        | Lighting Controls and Components. All lighting control devices and systems, ballasts, and luminaires must meet the applicable requirements of § 110.9.*                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| § 150.0(k)1A:   | Luminaire Efficacy. All installed luminaires must meet the requirements in Table 150.0-A, except lighting integral to exhaust fans, kitchen<br>range hoods, bath vanity mirrors, and garage door openers; navigation lighting less than 5 watts; and lighting internal to drawers, cabinets, and line<br>closets with an efficacy of at least 45 lumens per watt.                                                                                                                                                                                                                             |
| 150.0(k)1B:     | Screw based luminaires. Screw based luminaires must contain lamps that comply with Reference Joint Appendix JA8. *                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| § 150.0(k)1C:   | Recessed Downlight Luminaires in Ceilings. Luminaires recessed into ceilings must not contain screw based sockets, must be airtigh<br>and must be sealed with a gasket or caulk. California Electrical Code § 410.116 must also be met.                                                                                                                                                                                                                                                                                                                                                       |
| § 150.0(k)1D:   | Light Sources in Enclosed or Recessed Luminaires. Lamps and other separable light sources that are not compliant with the JA8<br>elevated temperature requirements, including marking requirements, must not be installed in enclosed or recessed luminaires.                                                                                                                                                                                                                                                                                                                                 |
| § 150.0(k)1E:   | Blank Electrical Boxes. The number of electrical boxes that are more than five feet above the finished floor and do not contain a<br>luminaire or other device shall be no more than the number of bedrooms. These boxes must be served by a dimmer, vacancy sensor<br>control, low voltage wiring, or fan speed control.                                                                                                                                                                                                                                                                     |
| § 150.0(k)1F:   | Lighting Integral to Exhaust Fans. Lighting integral to exhaust fans (except when installed by the manufacturer in kitchen exhaust hoods) must meet the apolicable requirements of § 150.0(k).                                                                                                                                                                                                                                                                                                                                                                                                |

| Heat Pump System<br>1-hers-htpump     Not Required     O     Not Required     Not Required     Yes     Yes       VARIABLE CAPACITY HEAT PUMP COMPLIANCE OPTION - HERS VERIFICATION     02     03     04     05     06     07     08     09     14       Variable CAPACITY HEAT PUMP COMPLIANCE OPTION - HERS VERIFICATION     02     03     04     05     06     07     08     09     14       Mame     Certified<br>Low-Static<br>VCHP System     Airflow to<br>Habitable<br>Rooms     Ductless Units<br>Space     Wall Mount<br>Thermostat     Air Filter Sizing<br>& Pressure<br>Drop Rating     Low Leakage<br>Ducts in<br>Conditioned<br>Space     Minimum<br>Airflow per<br>RA3.3 and<br>SC3.3.3.4.1     Certified<br>non-continuous<br>Fan     Indoor F<br>Run<br>Continue       Heat Pump System 1     Not required     Required     Required     Required     Not req |                                                                                                                                                                                 |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Orget Name: Riverside County ADU 1 Bed - Palm Springs       Calculation Date/Time: 2024-12-30T11:05:25-08:00       (Page 1:<br>Input File Name: Riverside County ADU 1 Bed,ribd22x         AVAC HEAT PUMPS - HERS VERIFICATION       Verified Airflow       Airflow Target       Verified EER/EER2       Verified Refrigerant<br>Heat Pump System       Not Required       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O       O <th co<="" th=""><th></th><th></th><th>DECIDE</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th>                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <th></th> <th></th> <th>DECIDE</th> <th></th> |  |  | DECIDE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Input File Name: Riverside County ADU 1 Bed.ribd22x         Name: Riverside County ADU 1 Bed.ribd22x         NAME: Verified Airflow       Airflow Target       Verified EER/EER2       Verified Refrigerant       Verified Heating       Verified Heating         Name       Verified Airflow Target       Verified EER/EER2       Verified Refrigerant       Verified Heating       Verified Media         10       O2       O3       O4       O5       O6       O7       O8       O9       100         Verified Low-Static                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                 |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |





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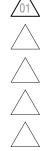
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### project

County of Riverside Pre-Approved ADU Program

revisions



description

# Example Energy Calculations

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
| sheet no. 🗕 |                    |



Electric and Energy Storage Ready

|            | 2022 Single-Family Residential Mandatory Requirements Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| § 150.0(s) | Energy Storage System (ESS) Ready. All single-family residences must meet all of the following: Either ESS-ready interconnection<br>equipment with backed up capacity of 60 amps or more and four or more ESS supplied branch circuits, gr a dedicated raceway from the<br>man service to a subpanel that supplies the branch circuits in § 150.0(s); at least four branch circuits must be identified and have their<br>source collocated at a single panelboard suitable to be supplied by the ESS, with one circuit supplying the refrigerator, one lighting circuit<br>near the primary exit, and one circuit supplying a sleeping room receptacle outlet; main panelboard must have a minimum busbar rating of<br>225 amps; sufficient space must be reserved to allow future installation of a system isolation equipment/transfer switch within 3' of the mai<br>panelboard, with raceways installed between the panelboard and the switch location to allow the connection of backup power source. |
| § 150.0(t) | Heat Pump Space Heater Ready. Systems using gas or propane furnaces to serve individual dwelling units must include: A dedicated<br>unobstructed 240V branch circuit wining installed within 3' of the furnace with circuit conductors rated at least 30 amps with the blank cover<br>identified as "240V ready," and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker<br>permanently marked as "For Future 240V use."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| § 150.0(u) | Electric Cooktop Ready. Systems using gas or propane cooktop to serve individual dwelling units must include: A dedicated unobstructed<br>240V branch circuit wiring installed within 3' of the cooktop with circuit conductors rated at least 50 amps with the blank cover identified as<br>"240V ready," and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently<br>marked as "For Future 240V use."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| § 150.0(v) | Electric Clothes Dryer Ready. Clothes dryer locations with gas or propane plumbing to serve individual dwelling units must include: A<br>dedicated unobstructed 240V branch circuit wiring installed within 3' of the dryer location with circuit conductors rated at least 30 amps with<br>the blank cover identified as '240V ready,'' and a reserved main electrical service panel space to allow for the installation of a double pole<br>circuit breaker permanently marked as "For Future 240V use.''                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

\*Exceptions may apply.

5/6/22

|                                                                    |            |                                       | 0.01114           |                   |                                       |           |                      |
|--------------------------------------------------------------------|------------|---------------------------------------|-------------------|-------------------|---------------------------------------|-----------|----------------------|
| Project Name                                                       | ATING      | AND COOLING LOAD                      | 5 50 M            | MARY              |                                       | Date      |                      |
| Riverside County ADU 1 I                                           | Bed        |                                       |                   |                   |                                       |           | /30/2024             |
| System Name                                                        |            |                                       |                   |                   |                                       | Floor     | Area                 |
| Minisplit ADU-1Bed                                                 |            | SVOTEMIOAD                            |                   |                   |                                       |           | 625                  |
| ENGINEERING CHECKS                                                 | 1          | SYSTEM LOAD                           | 0.011             |                   |                                       | 0011 11   |                      |
| Number of Systems                                                  |            |                                       |                   | COOLING F         |                                       |           | TG. PEAK             |
| Heating System                                                     | 18,000     | Total Room Loads                      | <b>CFM</b><br>417 | Sensible<br>8,868 | Latent<br>194                         | 226       | Sensible<br>8,912    |
| Output per System                                                  | 18,000     | Return Vented Lighting                |                   | 0,000             | 104                                   | 220       | 0,012                |
| Total Output (Btuh)<br>Output (Btuh/sqft)                          | 28.8       | Return Vented Lighting                |                   | 0                 |                                       |           |                      |
| Cooling System                                                     |            | Return Fan                            |                   | 0                 |                                       |           | 0                    |
| Output per System                                                  | 18,000     | Ventilation                           | 0                 | 0                 | 0                                     | 0         | 0                    |
| Total Output (Btuh)                                                | 18,000     | Supply Fan                            |                   | 0                 |                                       |           | 0                    |
| Total Output (Tons)                                                | 1.5        | Supply Air Ducts                      |                   | 0                 |                                       |           | C                    |
| Total Output (Btuh/sqft)                                           | 28.8       | ouppiy All Duota                      |                   |                   |                                       |           |                      |
| Total Output (sqft/Ton)                                            | 416.7      | TOTAL SYSTEM LOAD                     |                   | 8,868             | 194                                   |           | 8,912                |
| Air System                                                         |            |                                       |                   |                   |                                       |           |                      |
| CFM per System                                                     | 300        | HVAC EQUIPMENT SELECTION              |                   |                   |                                       |           |                      |
| Airflow (cfm)                                                      | 300        | Fujitsu AOU18RLXFWH                   |                   | 14,802            | 229                                   |           | 11,242               |
| Airflow (cfm/sqft)                                                 | 0.48       |                                       |                   |                   |                                       |           |                      |
| Airflow (cfm/Ton)                                                  | 200.0      |                                       |                   |                   |                                       | -         |                      |
| Outside Air (%)                                                    | 0.0%       | Total Adjusted System Output          |                   | 14,802            | 229                                   |           | 11,242               |
| Outside Air (cfm/sqft)                                             | 0.00       | (Adjusted for Peak Design conditions) |                   |                   |                                       | L         |                      |
| Note: values above given at ARI                                    | conditions | TIME OF SYSTEM PEAK                   |                   |                   | Aug 3 PM                              |           | Jan 1 AM             |
|                                                                    |            | Airstream Temperatures at Time of     | of Heating        | Peak)             | · · · · · · · · · · · · · · · · · · · |           |                      |
| 26 °F 68 °F<br>Outside Air<br>0 cfm Supply Fan<br>300 cfm<br>68 °F |            | Coil                                  |                   | Poak              | R                                     | MOC       | ↓<br>105 °F<br>68 °F |
|                                                                    |            | •                                     | e. econing        | · Juny            |                                       |           |                      |
| 113 / 73 °F 75 / 6                                                 | 1 % 75     | 5/61 °F 55/54 °F                      |                   |                   |                                       |           |                      |
| Outside Air<br>0 cfm                                               | Supply Fan | Cooling Coil                          | →[]               |                   | =                                     | 55        | / 54 °F              |
| 75 / 61 °F                                                         | 300 cfm    |                                       |                   | 46.29             | % R(                                  | DOM<br>75 | / 61 °F              |
|                                                                    |            |                                       |                   |                   |                                       |           |                      |



#### $\mathcal{O}$ Ο •— \_\_\_\_\_ $\square$ $\subseteq$ σ $\supset$ \_\_\_\_ 0 S ດ Τ ⊢ $\triangleleft$ $\mathcal{O}$ Ω (1) Ζ C +---() \_ S + Ш U

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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE

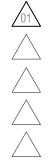
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ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE COUNTY OF RIVERSIDE ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY OF RIVERSIDE BUILDING DEPARTMENT BUILDING CODES RIVERSIDE BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXCIDED OR USE DEVOLVED AT ALL EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTED ANY THE DOCUMENTS DOCUMENTS BY THE RECIPIENT OR BY OTHERS DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ANY USE OF THESE CONSTRUCTION DOCUMENTS FOR USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE CORVECTED AND ARE SUBJECT TO ARE COPYRIGHTED AND ARE SUBJECT TO ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

project

County of Riverside Pre-Approved ADU Program

revisions



description

# Example Energy Calculations

| date        | 20 January 2025    |
|-------------|--------------------|
| project no. | RIVERSIDE ADU      |
| drawn by    | DESIGN PATH STUDIO |
|             |                    |



<sup>sheet no.</sup> **T24.3** 

| BUILDING ENERGY ANALYSIS REPORT                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                   |
| PROJECT:                                                                                                                                                                                                                                                                                          |
| Riverside County ADU 1 Bed                                                                                                                                                                                                                                                                        |
| Riverside County , CA 92522                                                                                                                                                                                                                                                                       |
| Riverside County, CA 92322                                                                                                                                                                                                                                                                        |
| Project Designer:                                                                                                                                                                                                                                                                                 |
| Design Path Studio                                                                                                                                                                                                                                                                                |
| P.O. Box 230165                                                                                                                                                                                                                                                                                   |
| Encinitas, CA 92023<br>619-292-8807                                                                                                                                                                                                                                                               |
| 013-232-0007                                                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                   |
| Report Prepared by:                                                                                                                                                                                                                                                                               |
| Design Path Studio                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                   |
| ,                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                   |
| Job Number:                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                   |
| Date:                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                   |
| 12/30/2024                                                                                                                                                                                                                                                                                        |
| The EnergyPro computer program has been used to perform the calculations summarized in this compliance report. This program has approval and is<br>authorized by the California Energy Commission for use with both the Residential and Nonresidential 2022 Building Energy Efficiency Standards. |
| authorized by the California Energy Commission for use with both the Residential and Nonresidential 2022 Building Energy Efficiency Standards.<br>This program developed by EnergySoft, LLC – www.energysoft.com.                                                                                 |
|                                                                                                                                                                                                                                                                                                   |

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: Riverside County ADU 1 Bed - Idyllwild Calculation Date/Time: 2024-12-30T11:48:34-08:00 Calculation Description: Title 24 Analysis Input File Name: Riverside County ADU 1 Bed.ribd22x

(EDR2) (kTDV/ft<sup>2</sup> -yr)

53.63

5.78

4.48

ENERGY USE SUMMARY

Energy Use

Space Heating

Space Cooling

IAQ Ventilation

Standard Design Source

inergy (EDR1) (kBtu/ft<sup>2</sup> -yr)

11.85

0.48

0.41

Standard Design TDV Energy Proposed Design Source Proposed Design TDV Energy Compliance Compliance Energy (EDR1) (kBtu/ft<sup>2</sup> -yr) (EDR2) (kTDV/ft<sup>2</sup> -yr) Margin (EDR1) Margin (EDR2) 7.51 4.34 -25.98 79.61 0.2 2.65 0.28 3.13 0.41 0 4.48 0

Water Heating 4.45 55.58 2.66 31.93 1.79 23.65 Self 0 Utilization/Flexibility Credit North Facing fficiency Complianc 17.19 119.47 10.78 118.67 6.41 0.8 Total 53.63 71.64 -18.01 Space Heating 11.85 6.72 5.13 3.04 0.48 5.78 0.19 2.74 0.29 Space Cooling 0.41 0.41 4.48 0 IAQ Ventilation 4.48 0 23.7 55.58 2.65 31.88 Water Heating 4.45 1.8 Self 0 Itilization/Flexibilit 0 Credit East Facing Efficiency 17.19 119.47 9.97 110.74 7.22 8.73 **Compliance Total** 

#### Registration Number: 424-P010328016A-000-000-00000000-0000 NOTICE: This document has been generated by California Home Energy Efficiency Rating Services (Cl and cannot guarantee, the accuracy or completeness of the information contained in this document. Registration Date/Time: 12/30/2024 12:43 HERS Provider: CHEERS ed to CHEERS. Therefore, CHEERS is not responsible for, 5) using information uploaded by third parties not affiliated Report Generated: 2024-12-30 11:49:37 Report Version: 2022.0.000 CA Building Energy Efficiency Standards - 2022 Residential Compliance

Schema Version: rev 20220901

CF1R-PRF-01-E CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD (Page 6 of 12) Calculation Date/Time: 2024-12-30T11:48:34-08:00 Project Name: Riverside County ADU 1 Bed - Idyllwild Calculation Description: Title 24 Analysis Input File Name: Riverside County ADU 1 Bed.ribd22x REQUIRED PV SYSTEMS 01 02 03 04 06 07 08 09 10 12 05 11 Annual Azimuth (deg) Tilt Array Angle Tilt: (x in Inverter Eff. DC System Size Module Type Array Type Solar Acces Exception **Power Electronics** CFI (deg) 12) (kWdc) Input (%) (%) 150-270 <=7:12 1.62 NA Standard (14-17%) Fixed none n/a 96 98 n/a REQUIRED SPECIAL FEATURES The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis. Insulation below roof deck Variable capacity heat pump compliance option (verification details from VCHP Staff report, Appendix B, and RA3) Slab Edge Insulation Northwest Energy Efficiency Alliance (NEEA) rated heat pump water heater; specific brand/model, or equivalent, must be installed HERS FEATURE SUMMARY The following is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building tables below. Registered CF2Rs and CF3Rs are required to be completed in the HERS Registry Quality insulation installation (QII) Indoor air quality ventilation Kitchen range hood Verified Refrigerant Charge Airflow in habitable rooms (SC3.1.4.1.7) Verified heat pump rated heating capacity Wall-mounted thermostat in zones greater than 150 ft2 (SC3.4.5) Ductless indoor units located entirely in conditioned space (SC3.1.4.1.8) BUILDING - FEATURES INFORMATION 01 07 02 03 04 05 06 Number of Dwelling Number of Water Number of Ventilation Number of Bedrooms Number of Zones Project Name onditioned Floor Area (ft Units **Cooling Systems** Heating Systems rside County ADU 1 Bed -625 1 0 1 1 Idyllwild

Registration Number: 424-P010328016A-000-000-000000-0000 NOTICE: This document has been generated by California Home Energy Efficiency Rating Services (C and cannot guarantee, the accuracy or completeness of the information contained in this document. Registration Date/Time: 12/30/2024 12:43 HERS Provider: CHEERS using information uploaded by third parties not affiliated with or ed to CHEERS. Therefore, CHEERS is not responsible for, CA Building Energy Efficiency Standards - 2022 Residential Compliance Report Version: 2022.0.000 Report Generated: 2024-12-30 11:49:37 Schema Version: rev 20220901

#### CF1R-PRF-01-E (Page 3 of 12)

|                         |                                              | ERFORMANCE COMPLIANCE METHOD                    |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CF1R-PRF-01-E               |
|-------------------------|----------------------------------------------|-------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Project N               | lame: Riverside County ADU 1 Bed - Id        | yllwild                                         | Calcul   | ation Date/Time: 2024-12-30T11:48:34-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 08:00 (Page 1 of 12)        |
| Calculatio              | on Description: Title 24 Analysis            |                                                 | Input    | File Name: Riverside County ADU 1 Bed.r                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ibd22x                      |
| GENERAL                 | INFORMATION                                  |                                                 |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |
| 01                      | Project Name                                 | Riverside County ADU 1 Bed - Idyllwild          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |
| 02                      | Run Title                                    | Title 24 Analysis                               |          | and the second sec |                             |
| 03                      | Project Location                             |                                                 | ana l    | and the second second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                             |
| 04                      | City                                         | Riverside County                                | 05       | Standards Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2022                        |
| 06                      | Zip code                                     | 92522                                           | 07       | Software Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EnergyPro 9.2               |
| 08                      | Climate Zone                                 | 16                                              | 09       | Front Orientation (deg/ Cardinal)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | All orientations            |
| 10                      | Building Type                                | Single family                                   | 11       | Number of Dwelling Units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                           |
| 12                      | Project Scope                                | Newly Constructed                               | 13       | Number of Bedrooms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                           |
| 14                      | Addition Cond. Floor Area (ft <sup>2</sup> ) | 0                                               | 15       | Number of Stories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                           |
| 16                      | Existing Cond. Floor Area (ft <sup>2</sup> ) | n/a                                             | 17       | Fenestration Average U-factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.3                         |
| 18                      | Total Cond. Floor Area (ft <sup>2</sup> )    | 625                                             | 19       | Glazing Percentage (%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 24.21%                      |
| 20                      | ADU Bedroom Count                            | n/a                                             | 21       | ADU Conditioned Floor Area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | n/a                         |
| 22                      | Fuel Type                                    | Natural gas                                     | 23       | No Dwelling Unit:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | No                          |
|                         |                                              |                                                 | 7 /      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |
| and a second proceeding |                                              |                                                 | <u> </u> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |
| 01                      | Building Complies with Computer              | Performance                                     |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |
| 02                      | This building incorporates feature           | s that require field testing and/or verificatio | n by a c | ertified HERS rater under the supervision of a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CEC-approved HERS provider. |

03 This building incorporates one or more Special Features shown below

| Registration Number: 424-P010328016A-000-000-000000-0000<br>NOTICE: This document has been generated by California Home Energy Efficiency Rating Services (CHEERS<br>and cannot guarantee, the accuracy or completeness of the information contained in this document. | Registration Date/Time: 12/30/2024 12:43<br>5) using information uploaded by third parties not affiliated with or relat | HERS Provider: CHEERS<br>ad to CHEERS. Therefore, CHEERS is not responsible for, |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| CA Building Energy Efficiency Standards - 2022 Residential Compliance                                                                                                                                                                                                  | Report Version: 2022.0.000<br>Schema Version: rev 20220901                                                              | Report Generated: 2024-12-30 11:49:37                                            |

| Project Name: Riversid<br>Calculation Description | e County ADU 1 Bed - Idyllwil                                      | RMANCE COMPLIANCE METH                                          | Calculation Date/Time                                              | : 2024-12-30T11:48:34-08:00<br>side County ADU 1 Bed.ribd22                                                     | x                           | CF1R-PRF-01-E<br>(Page 4 of 12) |
|---------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------|
| ENERGY USE SUMMARY<br>Energy Use                  | Standard Design Source<br>Energy (EDR1) (kBtu/ft <sup>2</sup> -yr) | Standard Design TDV Energy<br>(EDR2) (kTDV/ft <sup>2</sup> -yr) | Proposed Design Source<br>Energy (EDR1) (kBtu/ft <sup>2</sup> -yr) | Proposed Design TDV Energy<br>(EDR2) (kTDV/ft <sup>2</sup> -yr)                                                 | Compliance<br>Margin (EDR1) | Compliance<br>Margin (EDR2)     |
| Space Heating                                     | 11.85                                                              | 53.63                                                           | 6.82                                                               | 72.95                                                                                                           | 5.03                        | -19.32                          |
| Space Cooling                                     | 0.48                                                               | 5.78                                                            | .0.37                                                              | 4.13                                                                                                            | 0.11                        | 1.65                            |
| IAQ Ventilation                                   | 0.41                                                               | 4.48                                                            | 0.41                                                               | 4.48                                                                                                            | 0                           | 0                               |
| Water Heating                                     | 4.45                                                               | 55.58                                                           | 2.65                                                               | 31.86                                                                                                           | 1.8                         | 23.72                           |
| Self<br>Utilization/Flexibility<br>Credit         |                                                                    |                                                                 |                                                                    | 0                                                                                                               |                             | 0                               |
| South Facing<br>Efficiency Compliance<br>Total    | 17.19                                                              | 119:47                                                          | 10.25                                                              | 113.42                                                                                                          | 6.94                        | 6.05                            |
| Space Heating                                     | 11.85                                                              | 53.63                                                           | 7.48                                                               | 80.47                                                                                                           | 4.37                        | -26.84                          |
| Space Cooling                                     | 0.48                                                               | 5.78                                                            | 0.22                                                               | 2.34                                                                                                            | 0.26                        | 3.44                            |
| IAQ Ventilation                                   | 0.41                                                               | 4.48                                                            | 0.41                                                               | 4.48                                                                                                            | 0                           | 0                               |
| Water Heating                                     | 4.45                                                               | 55.58                                                           | 2.66                                                               | 31.97                                                                                                           | 1.79                        | 23.61                           |
| Self                                              |                                                                    |                                                                 |                                                                    | The second se |                             |                                 |

| Space Heating                                  | 11.85 | 53.63  | 6.82  | 72.95  | 5.03 | -19.32 |
|------------------------------------------------|-------|--------|-------|--------|------|--------|
| Space Cooling                                  | 0.48  | 5.78   | 0.37  | 4.13   | 0.11 | 1.65   |
| IAQ Ventilation                                | 0.41  | 4.48   | 0.41  | 4.48   | 0    | 0      |
| Water Heating                                  | 4.45  | 55.58  | 2.65  | 31.86  | 1.8  | 23.72  |
| Self<br>Utilization/Flexibility<br>Credit      |       |        |       | 0      |      | 0      |
| South Facing<br>Efficiency Compliance<br>Total | 17.19 | 119.47 | 10.25 | 113.42 | 6.94 | 6.05   |
| Space Heating                                  | 11.85 | 53.63  | 7.48  | 80.47  | 4.37 | -26.84 |
| Space Cooling                                  | 0.48  | 5.78   | 0.22  | 2.34   | 0.26 | 3.44   |
| IAQ Ventilation                                | 0.41  | 4.48   | 0.41  | 4.48   | 0    | 0      |
| Water Heating                                  | 4.45  | 55.58  | 2.66  | 31.97  | 1.79 | 23.61  |
| Self<br>Utilization/Flexibility<br>Credit      |       |        |       | 0      |      | 0      |
| West Facing Efficiency<br>Compliance Total     | 17.19 | 119.47 | 10.77 | 119.26 | 6.42 | 0.21   |
|                                                |       |        |       |        |      |        |

| Registration Number: 42<br>NOTICE: This document has bee<br>and cannot guarantee, the accur | 4-P010328016A-000-000-00<br>In generated by California Home E<br>racy or completeness of the inform | 00000-0000<br>Energy Efficiency Rating Services (Ch<br>nation contained in this document. | Registration Date/Time<br>HEERS) using information uploaded | e: 12/30/2024 12:43<br>d by third parties not affiliated wi | HERS Provider: CHE<br>ith or related to CHEERS. Therefore, C |                    |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|--------------------|
| CA Building Energy Efficie                                                                  | ency Standards - 2022 Reside                                                                        | ential Compliance                                                                         | Report Version: 2022.0                                      | 0.000                                                       | Report Generated: 20                                         | 024-12-30 11:49:37 |
|                                                                                             |                                                                                                     |                                                                                           | Schema Version: rev 20                                      | 0220901                                                     |                                                              |                    |
|                                                                                             |                                                                                                     |                                                                                           |                                                             |                                                             |                                                              |                    |
| CERTIFICATE OF COMPL                                                                        | IANCE - RESIDENTIAL PE                                                                              | RFORMANCE COMPLIANCE                                                                      | E METHOD                                                    |                                                             |                                                              | CF1R-PRF-01-E      |
| Project Name: Riverside                                                                     | e County ADU 1 Bed - Idyl                                                                           | llwild                                                                                    | Calculation                                                 | Date/Time: 2024-12-301                                      | 11:48:34-08:00                                               | (Page 7 of 12)     |
| Calculation Description                                                                     | : Title 24 Analysis                                                                                 |                                                                                           | Input File Na                                               | ame: Riverside County A                                     | DU 1 Bed.ribd22x                                             |                    |
| ZONE INFORMATION                                                                            |                                                                                                     |                                                                                           |                                                             |                                                             |                                                              |                    |
| 01                                                                                          | 02                                                                                                  | 03                                                                                        | 04                                                          | 05                                                          | 06                                                           | 07                 |
| Zone Name                                                                                   | Zone Type                                                                                           | HVAC System Name                                                                          | Zone Floor Area (ft <sup>2</sup> )                          | Avg. Ceiling Height                                         | Water Heating System 1                                       | Status             |
| ADU - 1Bed                                                                                  | Conditioned                                                                                         | Minisplit ADU-1Bed1                                                                       | 625                                                         | 9                                                           | DHW Sys 1                                                    | New                |

| ADU - 1Be                     | ADU - 1Bed Conditioned N |                                      | Minis       | plit ADU-1Bed       | 1             | 62                      | 25      | 1                          | 9        | 7                         | DHW Sys | 1                 | New                   |
|-------------------------------|--------------------------|--------------------------------------|-------------|---------------------|---------------|-------------------------|---------|----------------------------|----------|---------------------------|---------|-------------------|-----------------------|
| OPAQUE SURFACE                | ES                       |                                      |             | - 1.<br>            |               |                         |         | $\frac{1}{\sqrt{2}}$       |          |                           |         |                   |                       |
| 01                            |                          | 02                                   | ;<br>0      | 13                  |               | 04                      |         | 05                         | 11       | 06                        | 0       | 7                 | 08                    |
| Name                          |                          | Zone                                 | Constr      | ruction             | Az            | imuth                   | Or      | ientation                  | Gross    | s Area (ft <sup>2</sup> ) |         | and Door<br>(ft2) | Tilt (deg)            |
| Front Wall ADU-1              | L Bed                    | ADU - 1Bed                           | R-21        | Wall                | 1             | 0                       |         | Front                      |          | 153                       | 5       | 2                 | 90                    |
| Right Wall ADU-1              | Bed                      | ADU - 1Bed                           | R-21        | Wall                |               | 270                     |         | Right                      | 1.1      | 294                       | 1       | 5                 | 90                    |
| Back Wall ADU-1               | Bed                      | ADU - 1Bed                           | R-21        | Wall                |               | 180                     |         | Back                       | 1.1      | 153                       | 1       | 8                 | 90                    |
| Left Wall ADU-1               | Bed                      | ADU - 1Bed                           | R-21        | Wall                |               | 90                      |         | Left                       |          | 294                       | 66      | 5.3               | 90                    |
| Roof (cath) ADU               | 1 Bed                    | ADU - 1Bed                           | R-38 H      | IP Attic            | 1-1-1-1       | n/a                     |         | n/a                        |          | 625                       | n,      | /a                | n/a                   |
| 01<br>Name<br>Attic ADU - 1Be |                          | 02<br>Construction<br>RoofADU - 1Bed | ⊳Ту         | )3<br>ipe<br>ilated | Roof Ri       | 04<br>ise (x in 12<br>3 | 2) Roof | 05<br>Reflectar            |          | 06<br>Emittance<br>0.85   | Radiant | 7<br>: Barrier    | 08<br>Cool Roof<br>No |
| FENESTRATION /                | GLAZING                  | _                                    | , (         | N. 6. 19            |               | ()                      | 1       |                            | N ad     |                           | -       | -                 |                       |
| 01                            | 02                       | 03                                   | 04          | 05                  | 06            | 07                      | 08      | 09                         | 10       | 11                        | 12      | 13                | 14                    |
| Name                          | Туре                     | Surface                              | Orientation | Azimuth             | Width<br>(ft) | Height<br>(ft)          | Mult.   | Area<br>(ft <sup>2</sup> ) | U-factor | U-factor<br>Source        | SHGC    | SHGC Source       | Exterior Shading      |
| Window #A                     | Window                   | Front Wall<br>ADU-1 Bed              | Front       | 0                   |               |                         | 1       | 12                         | 0.3      | NFRC                      | 0.4     | NFRC              | Bug Screen            |
| Front Door #1                 | Window                   | Front Wall<br>ADU-1 Bed              | Front       | 0                   |               |                         | 1       | 20                         | 0.3      | NFRC                      | 0.4     | NFRC              | Bug Screen            |

|                                            |                         |                                                 |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 | 1                                     |
|--------------------------------------------|-------------------------|-------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------------|
|                                            |                         |                                                 |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 |                                       |
|                                            |                         |                                                 |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 |                                       |
| RTIFICATE OF COMPLIANCE - RESIDEN          | NTIAL PERFORMANCE COM   | IPLIANCE METHOD                                 |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 | CF1R-PRF-                             |
| <b>ject Name:</b> Riverside County ADU 1 E | Bed - Idyllwild         | c                                               | alculation Date/Tim                   | ne: 2024-12-30T11:48:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 34-08:00                                        | (Page 2 o                             |
| culation Description: Title 24 Analysi     | is                      | h                                               | nput File Name: Rive                  | erside County ADU 1 Be                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ed.ribd22x                                      |                                       |
| RGY DESIGN RATINGS                         |                         |                                                 |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 |                                       |
|                                            |                         | Energy Design Ratings                           |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Compliance Margins                              |                                       |
|                                            | Source Energy<br>(EDR1) | Efficiency <sup>1</sup> EDR<br>(EDR2efficiency) | Total <sup>2</sup> EDR<br>(EDR2total) | Source Energy<br>(EDR1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Efficiency <sup>1</sup> EDR<br>(EDR2efficiency) | Total <sup>2</sup> EDR<br>(EDR2total) |
| Standard Design                            | 46                      | 63.9                                            | 47.4                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 |                                       |
|                                            |                         | Proposed                                        | Design                                | 1 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                 |                                       |
| North Facing                               | 35.7                    | 63.5                                            | 47.1                                  | 10.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.4                                             | 0.3                                   |
|                                            |                         |                                                 | 45.1                                  | 11.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4.6                                             | 2.3                                   |
| East Facing                                | 34.4                    | 59.3                                            | 43.1                                  | Course and the second sec | 1 1                                             |                                       |
|                                            | 34.4                    | 59.3           60.7                             | 45.8                                  | 11.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3.2                                             | 1.6                                   |
| East Facing                                |                         |                                                 |                                       | 11.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3.2                                             | 1.6                                   |

| oject Name: Riverside Count<br>Iculation Description: Title 2 | <ul> <li>In constraint an or production constraint constraint</li> </ul> |            | Input File Name: Riverside County ADU 1 Bed.ribd22x |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                   |  |  |  |  |  |
|---------------------------------------------------------------|--------------------------------------------------------------------------|------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------|--|--|--|--|--|
| NERGY USE INTENSITY                                           |                                                                          |            |                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | · · · · · ·                            |                   |  |  |  |  |  |
|                                                               | Standard Design (kBtu/ft <sup>2</sup>                                    | - yr ) Pro | oposed Design (kBtu/ft <sup>2</sup> -               | yr) Complian                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ce Margin (kBtu/ft <sup>2</sup> - yr ) | Margin Percentage |  |  |  |  |  |
| North Facing                                                  |                                                                          |            |                                                     | Contraction and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ч.                                     |                   |  |  |  |  |  |
| Gross EUI <sup>1</sup>                                        | 38.51                                                                    |            | 30,15                                               | 11/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8.36                                   | 21.71             |  |  |  |  |  |
| Net EUI <sup>2</sup>                                          | 24.15                                                                    |            | 15.79                                               | 1/I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8.36                                   | 34.62             |  |  |  |  |  |
| East Facing                                                   |                                                                          | 1111       | <b>4</b>                                            | the states                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                   |  |  |  |  |  |
| Gross EUI <sup>1</sup>                                        | 38.51                                                                    |            | 29.24                                               | and a second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 9.27                                   | 24.07             |  |  |  |  |  |
| Net EUI <sup>2</sup>                                          | 24.15                                                                    |            | 14.88                                               | and the second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 9.27                                   | 38.39             |  |  |  |  |  |
| South Facing                                                  | 1                                                                        |            |                                                     | [مريح                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |                   |  |  |  |  |  |
| Gross EUI <sup>1</sup>                                        | 38.51                                                                    |            | 29.67                                               | 역 조감                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8.84                                   | 22.96             |  |  |  |  |  |
| Net EUI <sup>2</sup>                                          | 24.15                                                                    | 2/2 1      | 15.31                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8.84                                   | 36.6              |  |  |  |  |  |
| West Facing                                                   |                                                                          |            |                                                     | And the second s |                                        |                   |  |  |  |  |  |
| Gross EUI <sup>1</sup>                                        | 38.51                                                                    |            | -30.36                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8.15                                   | 21.16             |  |  |  |  |  |
| Net EUI <sup>2</sup>                                          | 24.15                                                                    |            | 16                                                  | E Sa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8.15                                   | 33.75             |  |  |  |  |  |

Registration Number: 424-P010328016A-000-000-000000-0000 NOTICE: This document has been generated by California Home Energy Efficiency Rating Services and cannot guarantee, the accuracy or completeness of the information contained in this document CA Building Energy Efficiency Standards - 2022 Residential Compliance

| Project Name: R         | iverside Co | ICE - RESIDENTIA        |                       | ICE COMPL        |               | THOD           |          |                            | -      |                                          | 12-30T11:48:             |            |             | CF1R-PRF-01-I<br>(Page 8 of 12 |
|-------------------------|-------------|-------------------------|-----------------------|------------------|---------------|----------------|----------|----------------------------|--------|------------------------------------------|--------------------------|------------|-------------|--------------------------------|
| Calculation Deso        | •           | le 24 Analysis          |                       |                  |               |                | Input Fi | le Name                    | Rivers | ide Co                                   | unty ADU 1 B             | ed.ribd22x |             |                                |
| 01                      | 02          | 03                      | 04                    | 05               | 06            | _ 07           | 08       | 09                         | 10     | 5                                        | 11                       | 12         | 13          | 14                             |
| Name                    | Туре        | Surface                 | Orientation           | Azimuth          | Width<br>(ft) | Height<br>(ft) | Mult.    | Area<br>(ft <sup>2</sup> ) | U-fac  | ctor                                     | U-factor<br>Source       | SHGC       | SHGC Source | Exterior Shading               |
| Sidelights (2)<br>#G    | Window      | Front Wall<br>ADU-1 Bed | Front                 | 0                |               |                | 1        | 20                         | 0.     | 3                                        | NFRC                     | 0.4        | NFRC        | Bug Screen                     |
| Window #B               | Window      | Right Wall<br>ADU-1 Bed | Right                 | 270              |               |                | 1        | 9                          | 0.3    | 3                                        | NFRC                     | 0.4        | NFRC        | Bug Screen                     |
| Window #C               | Window      | Right Wall<br>ADU-1 Bed | Right                 | 270              |               |                | 1        | 6                          | 0.3    | 3 4                                      | NFRC                     | 0.4        | NFRC        | Bug Screen                     |
| Window (2) #D           | Window      | Back Wall<br>ADU-1 Bed  | Back                  | <sup>°</sup> 180 |               |                | 1        | 18                         | 0.5    | 3                                        | NFRC                     | 0.4        | NFRC        | Bug Screen                     |
| Window #E               | Window      | Left Wall<br>ADU-1 Bed  | Left                  | 90               |               |                | 1        | 15                         | 0.3    | 3                                        | NFRC                     | 0.4        | NFRC        | Bug Screen                     |
| SGDoor #2               | Window      | Left Wall<br>ADU-1 Bed  | Left                  | 90               |               |                | 2<br>1   | 33.3                       | 0.3    | 3                                        | NFRC                     | 0.4        | NFRC        | Bug Screen                     |
| Window #F               | Window      | Left Wall<br>ADU-1 Bed  | Left                  | 90               |               |                | - 1      | 18-                        | 0.3    | 3                                        | NFRC                     | 0.4        | NFRC        | Bug Screen                     |
|                         |             |                         |                       |                  | i i           | 1-1            |          |                            |        |                                          |                          |            |             |                                |
| SLAB FLOORS             |             | r                       | 1                     | 1<br>1           |               |                |          |                            |        | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |                          |            |             |                                |
| 01                      |             | 02                      | 03                    |                  | 04            |                |          | 05                         |        |                                          | 06                       |            | 07          | 08                             |
| Name                    |             | Zone                    | Area (ft <sup>2</sup> | )                | Perimete      | r (ft)         | -        | nsul. R-va<br>Id Depth     | alue   | •                                        | nsul. R-value<br>d Depth | Carpete    | ed Fraction | Heated                         |
| Slab-on-Grade Al<br>Bed | 00-1        | ADU - 1Bed              | 625                   |                  | 82            |                |          | R-5                        |        |                                          | 8                        | 1          | 00%         | No                             |

Registration Number: 424-P010328016A-000-000-0000000-0000 NOTICE: This document has been generated by California Home Energy Efficiency Rating Services and cannot guarantee, the accuracy or completeness of the information contained in this documen Registration Date/Time: 12/30/2024 12:43 CA Building Energy Efficiency Standards - 2022 Residential Compliance Report Version: 2022.0.000 Schema Version: rev 20220901

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BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE

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### project

revisions

<u>\_01</u>

County of Riverside Pre-Approved ADU Program

description Example Energy Calculations Climate Zone 16 Only

20 January 2025 date project no. RIVERSIDE ADU

drawn by design path studio

sheet

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**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD** Project Name: Riverside County ADU 1 Bed - Idyllwild Calculation Description: Title 24 Analysis

#### Calculation Date/Time: 2024-12-30T11:48:34-08:00 Input File Name: Riverside County ADU 1 Red ribd22x

CF1R-PRF-01-E (Page 9 of 12)

| Calculation Descript  | tion: Title 24 Ar              | nalysis   |                    |              |          | Inpu            | it File | e Name: Riv             | erside Co | ounty AD                    | J 1 Bed.rib     | d22x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                           |
|-----------------------|--------------------------------|-----------|--------------------|--------------|----------|-----------------|---------|-------------------------|-----------|-----------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| OPAQUE SURFACE CO     | NSTRUCTIONS                    |           |                    |              |          |                 |         |                         |           |                             |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                           |
| 01                    | 0                              | 2         | 03                 |              |          | 04              |         | 05                      | 0         | )6                          | 07              | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8                                                                                         |
| Construction Nam      | Construction Name Surface Type |           | Constructio        | n Type       | F        | raming          | 1       | Total Cavity<br>R-value | Conti     | / Exterior<br>nuous<br>alue | U-factor        | Assemb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ly Layers                                                                                 |
| R-21 Wall             | Exteric                        | or Walls  | Wood Frame         | ed Wall      | 2x6 @    | 9 16 in. O. C.  |         | R-21                    | None      | / None                      | 0.069           | and the second sec | Gypsum Board<br>ne: R-21 / 2x6<br>: 3 Coat Stucco                                         |
| Attic RoofADU - 1Be   | ed Attic                       | Roofs     | Wood Fra<br>Ceilin |              | 2x4 @    | 9 24 in. O. C.  |         | R-19                    | Nor       | ie / 0                      | 0.059           | Roof Dee<br>Siding/sheat<br>Cavity / Frame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | of (Asphalt Shingle)<br>ck: Wood<br>hing/decking<br>e: R-13.0 / 2x4<br>ists: R-6.0 insul. |
| R-38 HP Attic         | Ceilings<br>att                |           | Wood Fra<br>Ceilin |              | 2x4 @    | 9 24 in. O. C.  |         | R-38                    | None      | / None                      | 0.025           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | sts: R-28.9 insul.<br>ie: R-9.1 / 2x4<br>Gypsum Board                                     |
|                       |                                |           |                    |              | <u> </u> |                 |         | <u> </u>                |           |                             |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                           |
| BUILDING ENVELOPE     | - HERS VERIFICA                |           |                    |              |          | <u>, 184</u>    |         |                         |           |                             |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                           |
| 01                    |                                |           | 02                 |              |          | 03              |         |                         |           | 04                          |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 05                                                                                        |
| Quality Insulation In | stallation (QII)               | High R-va | lue Spray Foan     | n Insulation | Buil     | ding Envelope A | ir Lea  | kage                    |           | CFM50                       |                 | c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FM50                                                                                      |
| Require               | ed                             |           | Not Required       |              | 1        | N/A             |         |                         |           | n/a                         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | n/a                                                                                       |
|                       |                                |           |                    |              |          |                 | -       |                         |           | , / <sup>*</sup>            |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                           |
| WATER HEATING SYST    | TEMS                           |           |                    |              | -        | -               |         | _                       |           |                             |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                           |
| 01                    | 02                             |           | 03                 | 04           |          | 05              | 6       | 06                      | 5         | (                           | )7              | 08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 09                                                                                        |
| Name                  | System Type                    | Distr     | ibution Type       | Water Heat   | er Name  | Number of U     | nits    | Solar Ho<br>Syste       | •         |                             | npact<br>bution | HERS Verification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Water Heater<br>Name (#)                                                                  |
| DHW Sys 1             | Domestic Hot<br>Water (DHW)    |           | Standard           | DHW Hea      | ater 1   | 1               |         | n/a                     | a         | N                           | one             | n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DHW Heater 1 (1)                                                                          |

#### Registration Number: 424-P010328016A-000-000-0000000000 NOTICE: This document has been generated by California Home Energy Efficiency Rating Services ( and cannot guarantee, the accuracy or completeness of the information contained in this document. Registration Date/Time: 12/30/2024 12:43 HERS Provider: CHEERS ore, CHEERS is not responsible for, 5) using int CA Building Energy Efficiency Standards - 2022 Residential Compliance Report Version: 2022.0.000 Report Generated: 2024-12-30 11:49:37 Schema Version: rev 20220901

| CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD                   | CF1R-PRF-01-E                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project Name: Riverside County ADU 1 Bed - Idyllwild                                    | Calculation Date/Time: 2024-12-30T11:48:34-08:00 (Page 12 of 12)                                                                                                                                                  |
| Calculation Description: Title 24 Analysis                                              | Input File Name: Riverside County ADU 1 Bed.ribd22x                                                                                                                                                               |
| DOCUMENTATION AUTHOR'S DECLARATION STATEMENT                                            |                                                                                                                                                                                                                   |
| 1. I certify that this Certificate of Compliance documentation is accurate and complete |                                                                                                                                                                                                                   |
| Documentation Author Name:<br>Yvonne St. Pierre                                         | Documentation Author Signature:<br>Yvonne St. Pierre                                                                                                                                                              |
| Company:<br>Design Path Studio                                                          | Signature Date:<br>12/30/2024                                                                                                                                                                                     |
| Address:<br>P.O. Box 230165                                                             | CEA/ HERS Certification Identification (If applicable):                                                                                                                                                           |
| City/State/Zip:<br>Encinitas, CA 92023                                                  | Phone:<br>(760) 484-0253                                                                                                                                                                                          |
| RESPONSIBLE PERSON'S DECLARATION STATEMENT                                              |                                                                                                                                                                                                                   |
|                                                                                         | ompliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.<br>are consistent with the information provided on other applicable compliance documents, worksheets, |
| Responsible Designer Name:<br>Yvonne St. Pierre                                         | Responsible Designer Signature:<br>Yvonne St. Pierre                                                                                                                                                              |
| Company:<br>Design Path Studio                                                          | Date Signed:<br>12/30/2024                                                                                                                                                                                        |
| Address:<br>P.O. Box 230165                                                             | License:                                                                                                                                                                                                          |

ty/State/Zip: Encinitas, CA 92023

Digitally signed by California Home Energy Efficiency Rating Services (CHEERS). This digital signature is provided in order to secure the content of this registered document, and in no way implies Registration Provider responsibility for the accuracy of the information.

| Registration Number: 424-P010328016A-000-000-0000000-0000                                                                                                                                                   | Registration Date/Time: 12/30/2024 12:43                                    | HERS Provider: CHEERS                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------|
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| CA Building Energy Efficiency Standards - 2022 Residential Compliance                                                                                                                                       | Report Version: 2022.0.000                                                  | Report Generated: 2024-12-30 11:49:37                   |

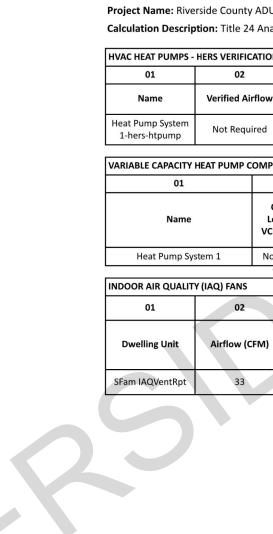
Schema Version: rev 20220901

Phone: (760) 484-0253

| JENERST COMMENSION E |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| § 110.5:             | Pilot Lights. Continuously burning pilot lights are prohibited for natural gas: fan-type central furnaces; household cooking appliances<br>(except appliances without an electrical supply voltage connection with pilot lights that consume less than 150 Btu per hour ); and pool                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                      | spa heaters. *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| § 150.0(h)1:         | Building Cooling and Heating Loads. Heating and/or cooling loads are calculated in accordance with the ASHRAE Handbook,<br>Equipment Volume, Applications Volume, and Fundamentals Volume; the SMACNA Residential Comfort System Installation<br>Standards Manual; or the ACCA Manual J using design conditions specified in § 150.0(h)2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| § 150.0(h)3A:        | Clearances. Air conditioner and heat pump outdoor condensing units must have a clearance of at least five feet from the outlet of any dryer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| § 150.0(h)3B:        | Liquid Line Drier. Air conditioners and heat pump systems must be equipped with liquid line fiter driers if required, as specified by the<br>manufacturer's instructions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| § 150.0(j)1:         | Water Piping, Solar Water-heating System Piping, and Space Conditioning System Line Insulation. All domestic hot wate<br>piping must be insulated as specified in § 609.11 of the California Plumbing Code. *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| § 150.0(j)2:         | Insulation Protection. Piping insulation must be protected from damage, including that due to sunlight, moisture, equipment'<br>maintenance, and wind as required by §120.3(b). Insulation exposed to weather must be water retardant and protected from UV light (<br>adhesive tapes). Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space must<br>include, or be protected by, a Class I or Class II vapor retarder. Pipe insulation buried below grade must be installed in a waterproof ar<br>non-crushable casing or sleeve.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| § 150.0(n)1:         | Gas or Propane Water Heating Systems. Systems using gas or propane water heaters to serve individual dwelling units must<br>designate a space at least 2.5' x 2.5' x 7' suitable for the future installation of a heat pump water heater, and meet electrical and<br>plumbing requirements, based on the distance between this designated space and the water heater location; and a condensate drain<br>more than 2' higher than the base of the water heater                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| § 150.0(n)3:         | Solar Water-heating Systems. Solar water-heating systems and collectors must be certified and rated by the Solar Rating and Certification Corporation (SRCC), the International Association of Plumbing and Mechanical Officials, Research and Testing (IAPMO R&T), or by a listing agency that is approved by the executive director.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ucts and Fans:       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| § 110.8(d)3:         | Ducts. Insulation installed on an existing space-conditioning duct must comply with § 604.0 of the California Mechanical Code (CMC).<br>contractor installs the insulation, the contractor must certify to the customer, in writing, that the insulation meets this requirement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| § 150.0(m)1:         | CMC Compliance. All air-distribution system ducts and plenums must meet CMC §§ 601.0-605.0 and ANSI/SMACNA-006-2006 HVA<br>Duct Construction Standards Metal and Flexible 3rd Edition. Portions of supply-air and return-air ducts and plenums must be insulated<br>R-6.0 or higher; ducts located entirely in conditioned space as confirmed through field verification and diagnostic testing (RA3.1.4.3.8)<br>do not require insulation. Connections of metal ducts and inner core of flexible ducts must be mechanically fastened. Openings must b<br>sealed with mastic, tape, or other duct-closure system that meets the applicable UL requirements, or aerosol sealant that meets UL 72<br>The combination of mastic and either mesh or tape must be used to seal openings greater than 1/4". If mastic or tape is used. Building<br>cavities, air handler support platforms, and plenums designed or constructed with materials other than sealed sheet metal, duct board<br>flexible duct must not be used to convey conditicned air. Building cavities and support platforms may contain ducts; ducts installed in |
|                      | these spaces must not be compressed.*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| § 150.0(m)2:         | Factory-Fabricated Duct Systems. Factory-fabricated duct systems must comply with applicable requirements for duct construction,<br>connections, and closures; joints and seams of duct systems and their components must not be sealed with cloth back rubber adhesiv<br>duct tapes unless such tape is used in combination with mastic and draw bands.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| § 150.0(m)3:         | Field-Fabricated Duct Systems. Field-fabricated duct systems must comply with applicable requirements for: pressure-sensitive tape<br>mastics, sealants, and other requirements specified for duct construction.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| § 150.0(m)7:         | Backdraft Damper. Fan systems that exchange air between the conditioned space and outdoors must have backdraft or automatic dampers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| § 150.0(m)8:         | Gravity Ventilation Dampers. Gravity ventilating systems serving conditioned space must have either automatic or readily accessible<br>manually operated dampers in all openings to the outside, except combustion inlet and outlet air openings and elevator shaft vents.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| § 150.0(m)9:         | Protection of Insulation. Insulation must be protected from damage due tosunlight, moisture, equipment maintenance, and wind.<br>Insulation exposed to weather must be suitable for outdoor service (e.g., protected by aluminum, sheet metal, painted canvas, or plas<br>cover). Cellular foam insulation must be protected as above or painted with a water retardant and solar radiation-resistant coating.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| § 150.0(m)10:        | Porous Inner Core Flex Duct. Porous inner cores of flex ducts must have a non-porous layer or air barrier between the inner core and<br>outer vapor barrier.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| § 150.0(m)11:        | Duct System Sealing and Leakage Test. When space conditioning systems use forced air duct systems to supply conditioned air to<br>occupiable space, the ducts must be sealed and duct leakage tested, as confirmed through field verification and diagnostic testing, in<br>accordance with Reference Residential Appendix RA3.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| § 150.0(m)12:        | Air Filtration. Space conditioning systems with ducts exceeding 10 feet and the supply side of ventilation systems must have MERV or equivalent filters. Filters for space conditioning systems must have a two inch depth or can be one inch if sized per Equation 150.0-/<br>Clean-filter pressure drop and labeling must meet the requirements in §150.0(m)12. Filters must be accessible for regular service. Filt<br>racks or grilles must use gaskets, sealing, or other means to close gaps around the inserted filters to and prevents air from bypassing<br>filter.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD |                                                  |
|-----------------------------------------------------------------------|--------------------------------------------------|
| Project Name: Riverside County ADU 1 Bed - Idyllwild                  | Calculation Date/Time: 2024-12-30T11:48:34-08:00 |

| Calculation Descrip    | tion: Title 24 Analy         | vsis               |                            |           |                    |                         | Inpu             | ut File                                 | Name:                  | Riverside                               | County A                   | DU 1 Bed.r           | ibd22x             |      |                                   |
|------------------------|------------------------------|--------------------|----------------------------|-----------|--------------------|-------------------------|------------------|-----------------------------------------|------------------------|-----------------------------------------|----------------------------|----------------------|--------------------|------|-----------------------------------|
| WATER HEATERS - NE     | EA HEAT PUMP                 |                    |                            |           |                    |                         |                  |                                         |                        |                                         |                            |                      |                    |      |                                   |
| 01                     | 02                           |                    | 03                         |           | and a              | 04                      |                  | 05                                      |                        |                                         | 06                         |                      | 07                 |      | 08                                |
| Name                   | # of Units                   | Та                 | nk Vol. (gal)              |           | NEEA               | NEEA Heat Pump<br>Brand |                  | NEEA Heat Pump<br>Model                 |                        |                                         | Tank Locat                 | ion D                | uct Inlet Air Sour | ce D | ouct Outlet Air Source            |
| DHW Heater 1           | 1                            |                    | 40                         |           | Rheem              |                         | R                | PROPH40 T2<br>RH375SO (40 gal,<br>JA13) |                        | •                                       | Outside                    |                      | ADU - 1Bed         |      | ADU - 1Bed                        |
| WATER HEATING - HE     | RS VERIFICATION              |                    |                            |           |                    |                         | 1995<br>12       | A                                       |                        | 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |                            |                      |                    |      |                                   |
| 01                     | 02                           | 2                  |                            | 03        |                    | 4                       | 04               |                                         |                        | 05                                      |                            |                      | 06                 |      | 07                                |
| Name                   | Pipe Ins                     | ulation            | Parallel Pi                |           | iping              | ng Compact D            |                  | stripution                              |                        | ompact Dis<br>Type                      | t Distribution<br>Type Rec |                      | irculation Control |      | wer Drain Water Heat<br>Recovery  |
| DHW Sys 1 - 1/1        | DHW Sys 1 - 1/1 Not Required |                    | No                         | ot Requ   | iired              | 1                       | Not Required     |                                         |                        | None                                    | e                          | No                   | t Required         |      | Not Required                      |
|                        |                              | 1                  |                            |           |                    |                         |                  |                                         | 1                      | لمسور تحمير<br>اتتصر معنوماً            |                            |                      |                    |      |                                   |
| SPACE CONDITIONIN      |                              | 1                  |                            |           |                    |                         |                  | 1                                       |                        |                                         | - T <sup>2</sup>           |                      | 1                  |      | 1                                 |
| 01                     | 02                           | 03                 |                            | de la     | 04                 | N.                      | 05               |                                         |                        | 06                                      |                            | 07                   | 08                 |      | 09                                |
| Name                   | System Type                  | Heating Uni        | t Name                     |           | ng Equipn<br>Count | nent Coo                | ling Unit N      | lame                                    |                        | Equipmer<br>Count                       | nt Fa                      | n Name               | me Distribution N  |      | Required<br>Thermostat Type       |
| Minisplit<br>ADU-1Bed1 | Heat pump heating cooling    | Heat Pump          | System                     | )<br>(27) | 1                  | Hea                     | Heat Pump System |                                         |                        |                                         | n/a                        |                      | n/a n/a            |      | Setback                           |
|                        |                              |                    | 0<br>                      |           | 1                  |                         | _ [              |                                         |                        |                                         |                            |                      |                    |      | •                                 |
| HVAC - HEAT PUMPS      |                              |                    |                            | <u></u>   |                    |                         |                  |                                         |                        |                                         |                            |                      |                    |      |                                   |
| 01                     | 02                           | 03                 | 04                         |           | 05                 | 06                      | 07               |                                         | 08                     | 09                                      | - 10                       | 11                   | 12                 |      | 13                                |
|                        |                              |                    |                            |           | Heati              | ng                      |                  |                                         |                        | Cooling                                 |                            |                      |                    |      |                                   |
| Name                   | System Type                  | Number of<br>Units | Heatin<br>Efficien<br>Type | ncy       | HSPF/HS<br>PF2/COP | Cap 47                  | Cap 17           | Effic                                   | oling<br>ciency<br>ype | SEER/SE<br>ER2                          | EER/EER<br>2/CEER          | Zonally<br>Controlle | d Type             | 1    | HERS Verification                 |
| Heat Pump<br>System 1  | VCHP-ductless                | 1                  | HSPI                       | F         | 8.2                | 18000                   | 14400            | EER                                     | SEER                   | 14                                      | 11.7                       | Not Zona             | l Single<br>Speed  | н    | leat Pump System<br>1-hers-htpump |



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Registration Date/Time: 12/30/2024 12:43 HERS Provider: CHEERS mation uploaded by third parties not affiliated with or re Report Version: 2022.0.000

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|                | ENTIAL MEA                 | SURES SI              |       |              |                      |         |                                      |              | RMS-1                   |
|----------------|----------------------------|-----------------------|-------|--------------|----------------------|---------|--------------------------------------|--------------|-------------------------|
| Project Name   |                            | o d                   | Build |              | Single Fa Multi Farr |         | Addition Alone<br>Existing+ Addition | n/Altoration | Date                    |
| Project Addre  | County ADU 1 B             | ea                    | Cali  |              |                      |         | Cond. Floor Area                     | Addition     | 12/30/202<br># of Units |
|                | le County                  |                       |       |              | Zone 16              |         | 625                                  | n/a          | 1                       |
| NSULA          |                            |                       | -     |              | rea                  |         |                                      |              |                         |
|                | ction Type                 |                       | Cav   |              |                      | Speci   | al Features                          |              | Status                  |
|                | Vood Framed                |                       | R 20  |              | 743                  |         |                                      |              | New                     |
| Roof V         | Vood Framed Attic          |                       | R 38  |              | 625 Add              | =R-19.0 |                                      |              | New                     |
| lab U          | Inheated Slab-on-Grad      | 9                     | R 5   |              | 625 Peril            | m = 82' |                                      |              | New                     |
|                |                            |                       |       |              |                      |         |                                      |              |                         |
|                |                            |                       |       |              |                      |         |                                      |              |                         |
|                |                            |                       |       |              |                      |         |                                      |              |                         |
|                |                            |                       |       |              |                      |         |                                      |              |                         |
|                |                            |                       |       |              |                      |         |                                      |              | 140.000                 |
|                | RATION                     | Total Area:           |       | Glazing Pe   |                      | 24.2%   |                                      |              | 0.30                    |
|                | ion Area(ft <sup>2</sup> ) |                       | HGC   | Overha       |                      | efins   | Exterior Sh                          | ades         | Status                  |
| ront (N)       | 52.0                       | 0.300                 | 0.40  | none         | ncne                 |         | N/A                                  |              | New                     |
| light (W)      | 15.0                       | 0.300                 | 0.40  | none         | ncne                 |         | N/A                                  |              | New                     |
| ear (S)        | 18.0                       | 0.300                 | 0.40  | none         | ncne                 |         | N/A                                  |              | New                     |
| eft (E)        | 66.3                       | 0.300                 | 0.40  | none         | ncne                 |         | N/A                                  |              | New                     |
|                |                            |                       |       |              |                      |         |                                      |              |                         |
|                | YSTEMS                     | M:- F#                | •     |              |                      |         | с <b>т</b> ь                         |              | 01-1                    |
| Qty. He        | ectric Heat Pump           | Min. Eff<br>8.20 HSPF |       | oling        |                      | in. Ef  |                                      | rmostat      | Status                  |
| 1 Ele          | ctric Heat Pump            | 8.20 HSPF             | Spi   | it Heat Pump | ) 14                 | .0 SEER | Setback                              |              | New                     |
|                |                            |                       |       |              |                      |         |                                      |              |                         |
|                | ISTRIBUTION                |                       |       |              |                      |         | Г                                    | Duct         |                         |
| ocation        |                            | eating                | Co    | oling        | Duct Lo              | catio   |                                      | R-Value      | Status                  |
| linisplit ADU- |                            | ess / with Fan        |       | less         | n/a                  |         |                                      | 1/a          | New                     |
|                | Duon                       |                       | 2.00  |              |                      |         |                                      |              |                         |
|                |                            |                       |       |              |                      |         |                                      |              |                         |
|                | HEATING<br>/pe             | Gall                  | ons   | Min. Ef      | ff Dist              | ributi  | on                                   |              | Status                  |
|                | eat Pump                   | 40                    |       | 3.10         | Stand                |         |                                      |              | New                     |
|                |                            | 10                    |       |              | Clark                |         |                                      |              |                         |
|                |                            |                       |       |              |                      |         |                                      |              |                         |
|                |                            |                       |       |              |                      |         |                                      |              |                         |
|                |                            |                       |       |              |                      |         |                                      |              |                         |

2022 Single-Family Residential Mandatory Requirements Summary

Space Conditioning System Airflow Rate and Fan Efficacy. Space conditioning systems that use ducts to supply cooling must have § 150.0(m)13: be ≥ 350 CFM per ton of nominal cooling capacity, and an air-handling unit fan efficacy ≤ 0.45 watts per CFM for gas furnace air handlers and ≤ 0.58 watts per CFM for all others. Small duct high velocity systems must provide an airflow ≥ 250 CFM per ton of nominal colling capacity, and an air-handling unit fan efficacy ≤ 0.62 watts per CFM. Field verification testing is required in accordance with Reference Residential Appendix RA3.3. \*

| § 150.0(o)1:    | Requirements for Ventilation and Indoor Air Quality. All dwelling units must meet the requirements of ASHRAE Standard 62.2,<br>Ventilation and Acceptable Indoor Air Quality in Residential Buildings subject to the amendments specified in § 150.0[o)1. *                                                                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| § 150.0(o)1B:   | Central Fan Integrated (CFI) Ventilation Systems. Continuous operation of CFI air handlers is not allowed to provide the whole-<br>dwelling unit ventilation airflow required per §150.0(o)1C. A motorized damper(s) must be installed on the ventilation duct(s) that<br>prevents all airflow through the space conditioning duct system when the damper(s) is closed andcontrolled per §150.0(o)1Biii&iv. CFI<br>ventilation systems must have controls that track outdoor air ventilation run time, and either open or close the motorized damper(s) for<br>compliance with §150.0(o)1C. |
| § 150.0(o)1C:   | Whole-Dwelling Unit Mechanical Ventilation for Single-Family Detached and townhouses. Single-family detached dwelling units,<br>and attached dwelling units not sharing ceilings or floors with other dwelling units, occupiable spaces, public garages, or commercial<br>spaces must have mechanical ventilation airflow specified in § 150.0(o)1Ci-iii.                                                                                                                                                                                                                                   |
| § 150.0(o)1G:   | Local Mechanical Exhaust. Kitchens and bathrooms must have local mechanical exhaust; nonenclosed kitchens must have demand-<br>controlled exhaust system meeting requirements of §150.0(o)1Giii,enclosed kitchens and bathrooms can use demand-controlled or<br>continuous exhaust meeting §150.0(o)1Giii-iv. Airflow must be measured by the installer per §150.0(o)1Gv, and rated for sound per<br>§150.0(o)1Gvi. *                                                                                                                                                                       |
| § 150.0(o)1H&I: | Airflow Measurement and Sound Ratings of Whole-Dwelling Unit Ventilation Systems. The airflow required per § 150.0(o)1C must<br>be measured by using a flow hood, flow grid, or other airflow measuring device at the fan's inlet or outlet terminals/griles per Reference<br>Residential Appendix RA3.7. Whole-Dwelling unit ventilation systems must be rated for sound per ASHRAE 62.2 §7.2 at no less than the<br>minimum airflow rate required by §150.0(o)1C.                                                                                                                         |
| § 150.0(o)2:    | Field Verification and Diagnostic Testing. Whole-Dwelling Unit ventilation airflow, vented range hood airflow and sound rating,<br>and HRV and ERV fan efficacy must be verified in accordance with Reference Residential Appendix RA3.7. Vented range hoods<br>must be verified per Reference Residential Appendix RA3.7.4.3 to confrm if it is rated by HVI or AHAM to comply with the airflow<br>rates and sound requirements per §150.0(o)1G                                                                                                                                            |
| ool and Spa Sys | tems and Equipment:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| § 110.4(a):     | Certification by Manufacturers. Any pool or spa heating system or equipment must be certified to have all of the following: compliance<br>with the Appliance Efficiency Regulations and listing in MAEDbS; an on-off switch mounted outside of the heater that allows shutting off<br>the heater without adjusting the thermostat setting; a permanent weatherproof plate or card with operating instructions; and must not<br>use electric resistance heating.*                                                                                                                            |
| § 110.4(b)1:    | Piping. Any pool or spa heating system or equipment must be installed with at least 36 inches of pipe between the filter and the heater, or dedicated suction and return lines, or built-in or built-up connections to allow for future solar heating.                                                                                                                                                                                                                                                                                                                                      |
| § 110.4(b)2:    | Covers. Outdoor pools or spas that have a heat pump or gas heater must have a cover.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| § 110.4(b)3:    | Directional Inlets and Time Switches for Pools. Pools must have directional inlets that adequately mix the pool water, and a time<br>switch that will allow all pumps to be set or programmed to run only during off-peak electric demand periods.                                                                                                                                                                                                                                                                                                                                          |
| § 110.5:        | Pilot Light. Natural gas pool and spa heaters must not have a continuously burning pilot light.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| § 150.0(p):     | Pool Systems and Equipment Installation. Residential pool systems or equipment must meet the specified requirements for pump<br>sizing, flow rate, piping, filters, and valves.*                                                                                                                                                                                                                                                                                                                                                                                                            |
| ighting:        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                 | Lighting Controls and Components. All lighting control devices and systems, ballasts, and luminaires must meet the applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| § 110.9:        | requirements of § 110.9.*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| § 150.0(k)1A:   | Luminaire Efficacy. All installed luminaires must meet the requirements in Table 150.0-A, except lighting integral to exhaust fans, kitchen<br>range hoods, bath vanity mirrors, and garage door openers; navigation lighting less than 5 watts; and lighting internal to drawers, cabinets, and liner<br>closets with an efficacy of at least 45 lumens per watt.                                                                                                                                                                                                                          |
| 150.0(k)1B:     | Screw based luminaires. Screw based luminaires must contain lamps that comply with Reference Joint Appendix JA8.*                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| § 150.0(k)1C:   | Recessed Downlight Luminaires in Ceilings. Luminaires recessed into ceilings must not contain screw based sockets, must be airtight,<br>and must be sealed with a gasket or caulk. California Electrical Code § 410.116 must also be met.                                                                                                                                                                                                                                                                                                                                                   |
| § 150.0(k)1D:   | Light Sources in Enclosed or Recessed Luminaires. Lamps and other separable light sources that are not compliant with the JA8<br>elevated temperature requirements, including marking requirements, must not be installed in enclosed or recessed luminaires.                                                                                                                                                                                                                                                                                                                               |
| § 150.0(k)1E:   | Blank Electrical Boxes. The number of electrical boxes that are more than five feet above the finished floor and do not contain a<br>luminaire or other device shall be no more than the number of bedrooms. These boxes must be served by a dimmer, vacancy sensor<br>control, low voltage wiring, or fan speed control.                                                                                                                                                                                                                                                                   |
| § 150.0(k)1F:   | Lighting Integral to Exhaust Fans. Lighting integral to exhaust fans (except when installed by the manufacturer in kilchen exhaust<br>hoods) must meet the applicable requirements of § 150.0(k).                                                                                                                                                                                                                                                                                                                                                                                           |

5/6/22

| CERTIFICATE OF CO                 |                |          |                             |                               | CE CO             | OMPLIANCE ME                              |                                      |        |                                             |                                         |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                                  | CF1R-PRF-                             |
|-----------------------------------|----------------|----------|-----------------------------|-------------------------------|-------------------|-------------------------------------------|--------------------------------------|--------|---------------------------------------------|-----------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------|---------------------------------------|
| Project Name: Rive                |                |          |                             | llwild                        |                   |                                           |                                      |        | Date/Time:                                  |                                         |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                                  | (Page 11 of                           |
| Calculation Descrip               | tion: Title 24 | 1 Analys | sis                         |                               |                   |                                           | Input Fi                             | ile Na | ame: Riversi                                | de Co                                   | ounty ADU                                 | 1 Bed.rib                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | d22x         |                                  |                                       |
| IVAC HEAT PUMPS -                 | HERS VERIFIC   | ATION    |                             |                               |                   |                                           |                                      |        |                                             |                                         |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                                  |                                       |
| 01                                | 02             |          | (                           | )3                            |                   | 04                                        | 05                                   |        | 06                                          |                                         | 0                                         | ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              | 08                               | 09                                    |
| Name                              | Verified Ai    | rflow    | Airflov                     | v Target                      | Verified EER/EER2 |                                           | Verified<br>SEER/SEER2               | Ve     | erified Refrige<br>Charge                   | erant Verif<br>HSPF/H                   |                                           | provide contraction and contraction of the contract |              | ied Heating<br>Cap 47            | Verified Heati<br>Cap 17              |
| Heat Pump System<br>1-hers-htpump | Not Requ       | quired O |                             | 0                             | Not Required      |                                           | Not Required                         |        | Yes                                         | 7                                       | N                                         | þ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              | Yes                              | Yes                                   |
| ARIABLE CAPACITY                  | HEAT PUMP C    | OMPLIA   | NCE OPTI                    | ON - HERS V                   | ERIFIC            | CATION                                    |                                      | 17     |                                             | _                                       |                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                                  |                                       |
| 01                                |                |          | 02                          | 03                            |                   | 04                                        | 05                                   |        | 06                                          | 2                                       | 07                                        | 08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              | 09                               | 10                                    |
| Name                              |                | Low      | tified<br>-Static<br>System | Airflow t<br>Habitab<br>Rooms | е 🐁               | Ductless Units<br>in Conditioned<br>Space | Wall Mount<br>Thermostat             | &am    | Filter Sizing<br>np; Pressure<br>rop Rating | D<br>Cor                                | Leakage<br>Jucts in<br>Iditioned<br>Space | Minin<br>Airflov<br>RA3.3<br>SC3.3.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | / per<br>and | Certified<br>non-continuo<br>Fan | Indoor Fan<br>us Running<br>Continuou |
| Heat Pump Sys                     | stem 1         | Not r    | equired                     | Require                       | d 🏠               | Required                                  | Required                             | No     | ot required                                 | Not                                     | required                                  | Not req                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | uired        | Not require                      | d Not requir                          |
|                                   |                |          |                             |                               | 10 m.             |                                           | <u>1</u>                             |        |                                             | <u></u>                                 |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                                  |                                       |
| NDOOR AIR QUALIT                  |                |          |                             |                               |                   |                                           |                                      |        | 1                                           | 2                                       |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              | 200                              |                                       |
| 01                                | 02             |          | ſ                           | )3                            |                   | 04                                        | 05                                   | 10     | 06                                          |                                         | 07                                        | '                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              | 08                               | 09                                    |
| Dwelling Unit                     | Airflow (C     | FM)      |                             | fficacy<br>CFM)               | IA                | Q Fan Type                                | Includes<br>Heat/Energy<br>Recovery? |        | IAQ Recover<br>Effectiveness<br>SRE/ASRE    | - A - A - A - A - A - A - A - A - A - A | Include<br>Indicator                      | No. 11020020000000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | HERS         | Verification                     | Status                                |
| SFam IAQVentRpt                   | 33             |          | 0.                          | 35                            |                   | Exhaust                                   | - No   , -                           | 3      | n/a / n/a                                   |                                         | N                                         | þ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              | Yes                              |                                       |
| · ·                               |                |          |                             |                               |                   |                                           |                                      | -      |                                             | 5 - 1 - 1<br>- 1 - 1<br>- 1 - 1         | 1                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                                  |                                       |

| ards - 2022 Resic                                | lential Compliance                                                                      | ERS) using information uploaded by third parties not affiliated<br>Report Version: 2022.0.000                                                                                                                                     | Report Generated: 2024-12-30 11:49:37 |
|--------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
|                                                  |                                                                                         | Schema Version: rev 20220901                                                                                                                                                                                                      |                                       |
|                                                  | 2022 Single-Family Re                                                                   | esidential Mandatory Requirements Summary                                                                                                                                                                                         | ,                                     |
| NOTE: Single-fa                                  | • •                                                                                     | Codes must comply with all applicable mandatory measures, regardless of th                                                                                                                                                        |                                       |
| used. Review the<br>(04/2022)<br>Building Envelo | e respective section for more information.                                              |                                                                                                                                                                                                                                   |                                       |
|                                                  |                                                                                         | exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM                                                                                                                                                          | per square foot or                    |
| § 110.6(a)1:                                     |                                                                                         | 283, or AAMA/WDMA/CSA 101/I.S.2/A440-2011. *                                                                                                                                                                                      |                                       |
| § 110.6(a)5:                                     | •                                                                                       | rior dcors must have a label meeting the requirements of § 10-111(a).<br>estration products must use U-factors and solar heat gain coefficient (S                                                                                 | SHGC) values from                     |
| § 110.6(b):                                      | Tables 110.6-A, 110.6-B, or JA4.5 for exte                                              | erior doors. They must be caulked and/or weather-stripped.*                                                                                                                                                                       |                                       |
| § 110.7:                                         | Air Leakage. All joints, penetrations, and c<br>caulked, gasketed, or weather stripped. | other openings in the building envelope that are potential sources of air                                                                                                                                                         | leakage must be                       |
| § 110.8(a):                                      | Insulation Certification by Manufacture                                                 | rs. Insulation must be certified by the Department of Consumer Affairs,                                                                                                                                                           | Bureau of Household                   |
|                                                  | Goods and Services (BHGS).                                                              |                                                                                                                                                                                                                                   |                                       |
| § 110.8(g):                                      |                                                                                         | ab Floors. Heated slab floors must be insulated per the requirements of<br>ad Thermal Emittance. The thermal emittance and aged solar reflectan                                                                                   |                                       |
| § 110.8(i):                                      | roofing material must meet the requirement                                              | nts of § 110.8(i) and be labeled per §10-113 when the installation of a co                                                                                                                                                        |                                       |
|                                                  | on the CF1R.                                                                            |                                                                                                                                                                                                                                   |                                       |
| § 110.8(j):                                      | Affairs.                                                                                | parriers must have an emittance of 0.05 or less and be certified to the De                                                                                                                                                        | epartment of Consumer                 |
|                                                  | Roof Deck, Ceiling and Rafter Roof Insu                                                 | ulation. Roof decks in newly constructed attics in climate zones 4 and 8-1                                                                                                                                                        |                                       |
| \$ 150 0(a);                                     |                                                                                         | eiling and rafter roofs minimum R-22 insulation in wood-frame ceiling; or<br>of alterations minimum R-19 or area-weighted average U-factor of 0.05-                                                                               |                                       |
| § 150.0(a):                                      |                                                                                         | sulation using adhesive or mechanical fasteners. The attic access must                                                                                                                                                            |                                       |
|                                                  |                                                                                         | stalled in direct contact with a roof or ceiling which is sealed to limit infilt                                                                                                                                                  |                                       |
| § 150.0(b):                                      |                                                                                         | imited to placing insulation either above or below the roof deck or on top<br>must meet the manufacturer's required density for the labeled R-value.                                                                              | p of a drywait centrig.               |
| <u>3 100.0(b)</u> .                              |                                                                                         | n in 2x4 inch wood framing wall or have a U-factor of 0.102 or less, or R-                                                                                                                                                        | -20 in 2x6 inch wood                  |
| § 150.0(c):                                      | framing or have a U-factor of 0.071 or less<br>Masonry walls must meet Tables 150.1-A   | s. Opaque non-framed assemblies must have an overall assembly U-fac<br>or B. *                                                                                                                                                    | ctor not exceeding 0.102.             |
| § 150.0(d):                                      |                                                                                         | nsulation in raised wood framed floor or 0.037 maximum U-factor. *                                                                                                                                                                |                                       |
| 3 100.0(0).                                      |                                                                                         | on must meet all of the following: have a water absorption rate, for the i                                                                                                                                                        | insulation material alone             |
| § 150.0(f):                                      | without facings, no greater than 0.3 percent                                            | cent; have a water vapor permeance no greater than 2.0 perm per i                                                                                                                                                                 | inch; be protected from               |
|                                                  |                                                                                         | m; and, when installed as part of a heated slab floor, meet the requirem<br>gh 16, the earth floor of unvented crawl space must be covered with a C                                                                               |                                       |
| § 150.0(g)1:                                     |                                                                                         | lies to controlled ventilation crawl space for buildings complying with the                                                                                                                                                       |                                       |
| 0.450.04.30                                      | Vapor Retarder. In climate zones 14 and                                                 | 16, a Class I or Class II vapor retarder must be installed on the conditio                                                                                                                                                        | aned space side of                    |
| § 150.0(g)2:                                     |                                                                                         | ttics, and unvented attics with air-permeable insulation.                                                                                                                                                                         | an or outdoors must have              |
| § 150.0(q):                                      |                                                                                         | sluding skylights, separating conditioned space from unconditioned spac<br>hted average U-factor of all fenestration must not exceed 0.45.                                                                                        | ce or outdoors must have              |
| Fireplaces, Deco                                 | prative Gas Appliances, and Gas Log:                                                    | · · · · · ·                                                                                                                                                                                                                       |                                       |
| § 110.5(e)                                       |                                                                                         | nts are not allowed for indoor and outdoor fireplaces.                                                                                                                                                                            |                                       |
| § 150.0(e)1:                                     | Closable Doors. Masonry or factory-built f                                              | fireplaces must have a closable metal or glass door covering the entire                                                                                                                                                           | opening of the firebox.               |
|                                                  |                                                                                         | built fireplaces must have a combustion outside air intake, which is at lea                                                                                                                                                       |                                       |
| § 150.0(e)2:                                     |                                                                                         | sible, operable, and tight-fitting damper or combustion-air control device                                                                                                                                                        | 9.                                    |
| § 150.0(e)3:                                     | Flue Damper. Masonry or factory-built fire                                              | eplaces must have a flue damper with a readily accessible control.                                                                                                                                                                |                                       |
| Space Condition                                  | ing, Water Heating, and Plumbing System:                                                |                                                                                                                                                                                                                                   | and all others                        |
| § 110.0-§ 110.3                                  |                                                                                         | conditioning (HVAC) equipment, water heaters, showerheads, faucets, the manufacturer to the California Energy Commission.                                                                                                         | and all other                         |
| § 110.2(a):                                      |                                                                                         | the applicable efficiency requirements in Table 110.2-A through Table 1                                                                                                                                                           | 110.2-N. *                            |
| 0.110.0// \                                      |                                                                                         | nentary Electric Resistance Heaters. Heat pumps with supplementary                                                                                                                                                                |                                       |
| § 110.2(b):                                      |                                                                                         | upplementary heater operation when the heating load can be met by the<br>ompression heating is higher than the cut-on temperature for supplemer                                                                                   |                                       |
|                                                  | the cut-off temperature for compression he                                              | eating is higher than the cut-off temperature for supplementary heating.                                                                                                                                                          |                                       |
| § 110.2(c):                                      |                                                                                         | ms not controlled by a central energy management control system (EMC                                                                                                                                                              | CS) must have a                       |
| • (-/-                                           | setback thermostat. *<br>Insulation. Unfired service water heater si                    | storage tanks and solar water-heating backup tanks must have adequate                                                                                                                                                             | e insulation, or tank                 |
| § 110.3(c)3:                                     | surface heat loss rating.                                                               |                                                                                                                                                                                                                                   |                                       |
| § 110 3(c)6:                                     |                                                                                         | eaters with an input rating greater than 6.8 kBtu per hour (2 kW) must ha                                                                                                                                                         |                                       |
| 3 110.3(0)0.                                     | riuse bibbs or other tittings on both cold an                                           | rid not water lines to allow for flushing the water heater when the valves                                                                                                                                                        | s are closed.                         |
| § 110.3(c)6:<br>5/6/22                           |                                                                                         | nd hot water lines to allow for flushing the water heater when the valves                                                                                                                                                         |                                       |
|                                                  |                                                                                         | esidential Mandatory Requirements Summary                                                                                                                                                                                         |                                       |
| § 150.0(k)1G:                                    |                                                                                         | uminaires must contain lamps that comply with Reference Joint Appendi.<br>d Luminaires. Lamps and other separable light sources that are not cor                                                                                  |                                       |
| § 150.0(k)1H:                                    |                                                                                         | ding marking requirements, must not be installed in enclosed or recessed                                                                                                                                                          |                                       |
| § 150.0(k)11:                                    | to comply with Table 150.0-A or be control                                              | ad Linen Closets. Light sources internal to drawers, cabinetry or linen c<br>illed by vacancy sensors provided that they are rated to consume no mo<br>d are equipped with controls that automatically turn the lighting off when | pre than 5 watts of                   |
| § 150.0(k)2A:                                    |                                                                                         | ard phase cut dimmers used with LED light sources must comply with N                                                                                                                                                              | EMA SSL 7A.                           |
| § 150.0(k)2B:                                    |                                                                                         | t fans must be controlled separately from lighting systems. *                                                                                                                                                                     |                                       |
| § 150.0(k)2A:                                    |                                                                                         | readily accessible wall-mounted controls that allow the lighting to be made                                                                                                                                                       | anually turned                        |
|                                                  |                                                                                         | ass a dimmer, occupant sensor, or vacancy sensor function if the dimm                                                                                                                                                             | er or sensor is installed             |
| \$ 1E0 0/1/0P                                    | to comply with § 150.0(k).                                                              |                                                                                                                                                                                                                                   |                                       |
| § 150.0(k)2B:                                    |                                                                                         |                                                                                                                                                                                                                                   |                                       |
| § 150.0(k)2B:<br>§ 150.0(k)2C:                   | Mandatory Requirements. Lighting control                                                | rols must comply with the applicable requirements of § 110.9.                                                                                                                                                                     |                                       |
| § 150.0(k)2C:                                    | Mandatory Requirements. Lighting control<br>Energy Management Control Systems. A        | An energy management control system (EMCS) may be used to comply                                                                                                                                                                  |                                       |
|                                                  | Mandatory Requirements. Lighting control<br>Energy Management Control Systems. A        |                                                                                                                                                                                                                                   |                                       |

Automatic Shutoff Controls. In bathrooms, garages, laundry rooms, utility rooms and walk-in closets, at least one installed luminaire Automatic Shutoft Controls. In bathrooms, garages, laundry rooms, utility rooms and wark-in closets, a reaso one instalered hummane
 § 150.0(k)2E:
 must be controlled by an occupancy or vacancy sensor providing automatic-off functionality. Lighting inside drawers and cabinets with
 opaque fronts or doors must have controls that turn the light off when the drawer or door is closed.
 Dimmers. Lighting in habitable spaces (e.g., living rooms, dining rooms, kitchers, and bedrooms) must have readily accessible wall sources in these spaces must comply with NEMA SSL 7A. scurces in these spaces must comply with NEMA SSL 7A.

§ 150.0(k)2K:
Independent controls. Integrated lighting of exhaust fans shall be controlled independently from the fans. Lighting under cabinets or shelves, lighting in display cabinets, and switched outlets must be controlled separately from ceiling-installed lighting.
Residential Outdoor Lighting. For single-family residential buildings, outdoor lighting permanently mounted to a residential building, or to other buildings on the same lot, must have a manual on/off switch and either a photocell and motion sensor or automatic time switch control) or an astronomical time clock. An energy management control system that provides the specified control functionality and meets a applicable requirements may be used to meet these requirements.

§ 150.0(k)4:
watts of power. watts of power.

Residential Garages for Eight or More Vehicles. Lighting for residential parking garages for eight or more vehicles must comply with the applicable requirements for nonresidential garages in §§ 110.9, 130.0, 130.1, 130.4, 140.6, and 141.0.

Solar Readiness: 
 Solar Readiness:
 Single-family Residences. Single-family residences located in subdivisions with 10 or more single-family residences and where the application for a tentative subdivision map for the residences has been deemed complete and approved by the enforcement agency, which do not have a photovoltaic system installed, must comply with the requirements of § 110.10(b)-(e).

 Minimum Solar Zone Area. The solar zone must have a minimum total area as described below. The solar zone must comply with access, pathway, smoke ventilation, and spacing requirements as specified in Title 24, Part 9 or other parts of Title 24 or in any requirements do and the parts of the parts of the parts of the parts of the part of the parts of the part of the part of the part of the parts of the part of th requirements adopted by a local jurisdiction. The solar zone total area must be comprised of areas that have no dimension less than 5 feet and are no less than 80 square feet each for buildings with roof areas less than or equal to 10,000 square feet or no less than 160 square feet each for buildings with roof areas greater than 10,000 square feet. For single-family residences, the solar zone must be located on the roof or overhang of the building and have a total area no less than 250 square feet.  $^{\star}$ S 110.10(b)2: Azimuth. All sections of the solar zone located on steep-sloped roofs must have an azimuth between 90-300° of true north. 

 § 110.10(b)2:
 Azimuth. All sections of the solar zone located on steep-sloped roots must have an azimuth between 9U-300° of true north.

 § 110.10(b)3A:
 Shading. The solar zone must not contain any obstructions, including but not limited to: vents, chimneys, architectural features, and roof mounted equipment.

 § 110.10(b)3A:
 Shading. Any obstruction located on the roof or any other part of the building that projects above a solar zone must be located at least twice the horizontal distance of the height difference between the highest point of the obstruction and the horizontal projection of the nearest point of the solar zone, measured in the vertical plane.

 § 110.10(b)4:
 Structural Design Loads on Construction Documents. For areas of the roof designated as a solar zone, the structural design loads for roof dead load and roof live load must be clearly indicated on the construction documents. Interconnection Pathways. The construction documents must indicate: a location reserved for inverters and metering equipment and a pathway reserved for routing of conduit from the solar zone to the noint of interconnection with the electrical service: and for sinple-family

 pathway reserved for routing of conduit from the solar zone to the point of interconnection with the electrical service; and for single-family residences and central water-heating systems, a pathway reserved for routing plumbing from the solar zone to the water-heating system. **Documentation**. A copy of the construction documents or a comparable document indicating the information from § 110.10(b)-(c) must be available to the 110.10(c): 110.10(d): provided to the occupant. § 110.10(e)1: Main Electrical Service Panel. The main electrical service panel must have a minimum busbar rating of 200 amps.

Main Electrical Service Panel. The main electrical service panel must have a reserved space to allow for the installation of a double p § 110.10(e)2: Since the second second

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### project

County of Riverside Pre-Approved ADU Program

revisions



description

# Example Energy Calculations Climate Zone 16 Only

date 20 January 2025 project no. RIVERSIDE ADU

drawn by design path studio

sheet no.

Electric and Energy Storage Ready:

150.0(k)4:

150.0(k)5:

|            | 2022 Single-Family Residential Mandatory Requirements Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| § 150.0(s) | Energy Storage System (ESS) Ready. All single-family residences must meet all of the following: Either ESS-ready interconnection<br>equipment with backed up capacity of 60 amps or more and four or more ESS supplied branch circuits, gr a dedicated raceway from the<br>man service to a subpanel that supplies the branch circuits in § 150.0(s); at least four branch circuits must be identified and have their<br>source collocated at a single panelboard suitable to be supplied by the ESS, with one circuit supplying the refrigerator, one lighting circuit<br>near the primary exit, and one circuit supplying a sleeping room receptacle outlet; main panelboard must have a minimum busbar rating of<br>225 amps; sufficient space must be reserved to allow future installation of a system isolation equipment/transfer switch within 3' of the mai<br>panelboard, with raceways installed between the panelboard and the switch location to allow the connection of backup power source. |
| § 150.0(t) | Heat Pump Space Heater Ready. Systems using gas or propane furnaces to serve individual dwelling units must include: A dedicated<br>unobstructed 240V branch circuit wining installed within 3' of the furnace with circuit conductors rated at least 30 amps with the blank cover<br>identified as "240V ready," and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker<br>permanently marked as "For Future 240V use."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| § 150.0(u) | Electric Cooktop Ready. Systems using gas or propane cooktop to serve individual dwelling units must include: A dedicated unobstructed<br>240V branch circuit wiring installed within 3' of the cooktop with circuit conductors rated at least 50 amps with the blank cover identified as<br>"240V ready," and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently<br>marked as "For Future 240V use."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| § 150.0(v) | Electric Clothes Dryer Ready. Clothes dryer locations with gas or propane plumbing to serve individual dwelling units must include: A<br>dedicated unobstructed 240V branch circuit wiring installed within 3' of the dryer location with circuit conductors rated at least 30 amps with<br>the blank cover identified as '240V ready,' and a reserved main electrical service panel space to allow for the installation of a double pole<br>circuit breaker permanently marked as "For Future 240V use."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

\*Exceptions may apply.

5/6/22

|                                                                   | ATING                 | AND COOLING LOAD                                  | <u>s sum</u> | MARY      |              |             |                    |
|-------------------------------------------------------------------|-----------------------|---------------------------------------------------|--------------|-----------|--------------|-------------|--------------------|
| Project Name<br>Riverside County ADU 1                            | Bed                   |                                                   |              |           |              | Date<br>12/ | /30/2024           |
| System Name                                                       |                       |                                                   |              |           |              |             |                    |
| Minisplit ADU-1Bed                                                |                       |                                                   |              |           |              |             | 625                |
| ENGINEERING CHECKS                                                |                       | SYSTEM LOAD                                       |              |           |              |             |                    |
| Number of Systems                                                 | 1                     |                                                   |              | COOLING F |              |             | TG. PEAK           |
| Heating System                                                    | 10.000                |                                                   | CFM          | Sensible  | Latent       | CFM<br>301  | Sensible           |
| Output per System                                                 | 18,000                | Total Room Loads                                  | 415          |           | 39           | 301         | 9,877              |
| Total Output (Btuh)                                               | 18,000                | Return Vented Lighting                            |              | 0         |              |             | C                  |
| Output (Btuh/sqft)                                                | 28.8                  | Return Air Ducts                                  |              | 0         |              |             |                    |
| Cooling System                                                    | 10.000                | Return Fan                                        |              |           |              |             |                    |
| Output per System                                                 | 18,000                | Ventilation                                       | 0            |           | 0            | 0           | (                  |
| Total Output (Btuh)                                               | 18,000                | Supply Fan                                        |              | 0         |              |             | (                  |
| Total Output (Tons)                                               | 1.5                   | Supply Air Ducts                                  |              | 0         |              |             | C                  |
| Total Output (Btuh/sqft)                                          | 28.8                  |                                                   |              |           |              |             |                    |
| Total Output (sqft/Ton)                                           | 416.7                 | TOTAL SYSTEM LOAD                                 |              | 7,349     | 39           |             | 9,877              |
| Air System                                                        |                       |                                                   |              |           |              |             |                    |
| CFM per System                                                    | 300                   | HVAC EQUIPMENT SELECTION                          |              |           |              |             |                    |
| Airflow (cfm)                                                     | 300                   | Fujitsu AOU18RLXFWH                               |              | 15,634    | 0            |             | 6,508              |
| Airflow (cfm/sqft)                                                | 0.48                  |                                                   |              |           |              |             |                    |
| Airflow (cfm/Ton)                                                 | 200.0                 |                                                   |              |           |              |             |                    |
| Outside Air (%)                                                   | 0.0%                  | Total Adjusted System Output                      |              | 15,634    | 0            |             | 6,508              |
| Outside Air (cfm/sqft)                                            | 0.00                  | (Adjusted for Peak Design conditions)             |              |           |              | -           |                    |
| Note: values above given at ARI                                   | conditions            | TIME OF SYSTEM PEAK                               |              |           | Aug 3 PM     |             | Jan 1 AM           |
|                                                                   |                       | Airstream Temperatures at Time o                  | of Heating   | Peak)     |              | •           |                    |
| 9 °F 68 °F<br>Outside Air<br>0 cfm Supply Far<br>300 cfm<br>68 °F |                       | 105 °F<br>Coil<br>(Airstream Temperatures at Time |              | Paak      | R            | MOO         | 05 °F              |
|                                                                   |                       |                                                   | c. coomig    | · cunj    |              |             |                    |
| 89 / 61 °F 75 / 5                                                 | 6 °F 75               | 5 / 56 °F 55 / 49 °F                              |              |           |              |             |                    |
| Outside Air<br>0 cfm<br>75 / 56 °F                                | Supply Fan<br>300 cfm |                                                   | <b>→</b>     | 32.94     | % <b>R</b> ( | MOC         | / 49 °F<br>/ 56 °F |
|                                                                   |                       |                                                   |              |           |              |             |                    |
| L                                                                 |                       |                                                   |              |           |              |             |                    |



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Example Energy Calculations Climate Zone 16 Only date 20 Ja

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drawn by DESIGN PATH STUDIO

