

SIDE VIEW

FRONT VIEW

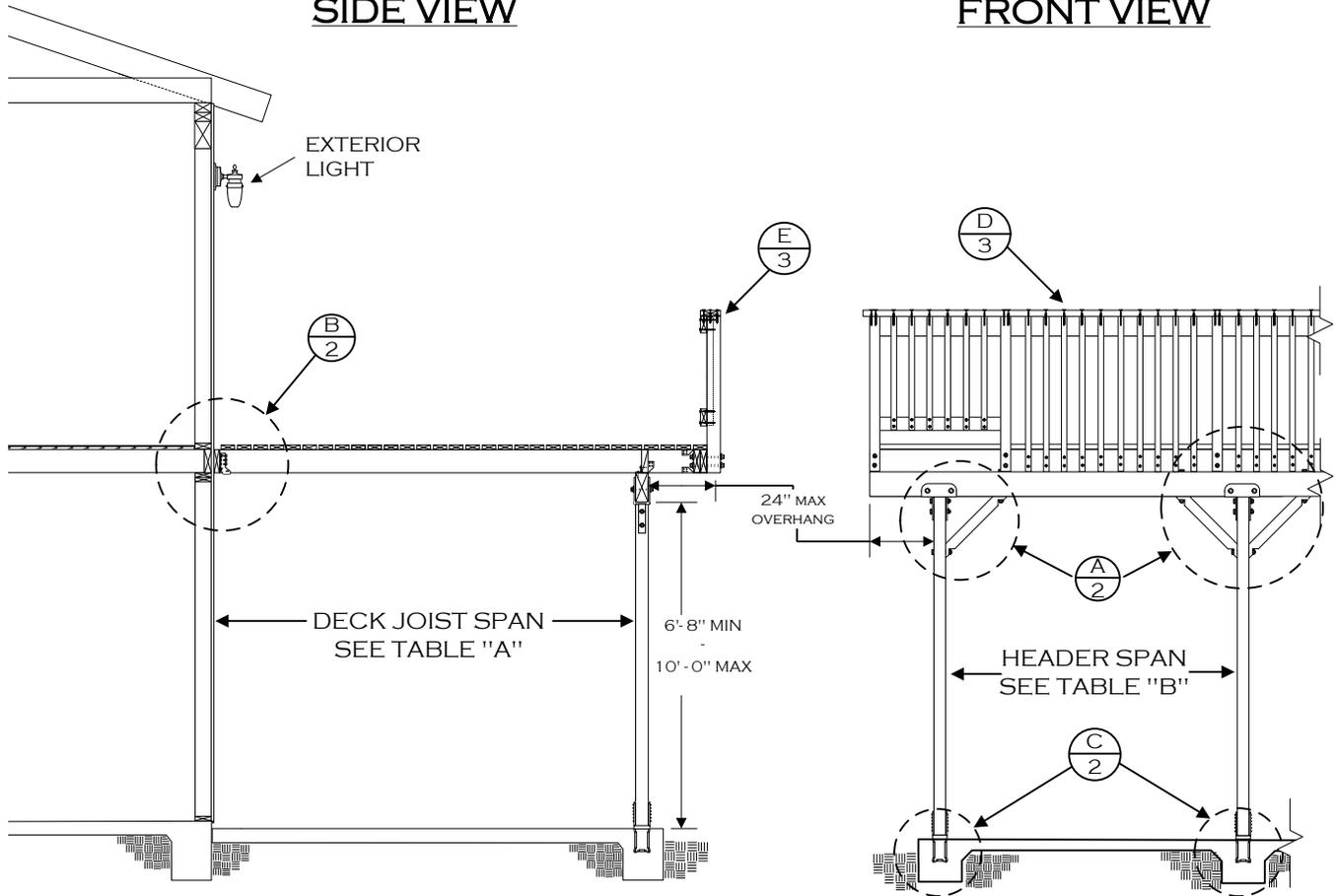


TABLE "A"
DECK JOIST SPANS
(DOUGLAS FIR #2 OR BETTER)

SIZE	SPACING	SPAN
2 x 6	12" o.c.	10' - 6"
4 x 6 *	16" o.c.	9' - 0"
	24" o.c.	7' - 6"
2 x 8	12" o.c.	14' - 0"
	16" o.c.	12' - 0"
4 x 8 *	24" o.c.	9' - 6"
	16" o.c.	15' - 0"
4 x 10 *	24" o.c.	12' - 0"
4 x 12	24" o.c.	14' - 0"
4 x 6	12" o.c.	14' - 0"
	16" o.c.	13' - 0"
	24" o.c.	10' - 6"
4 x 8	24" o.c.	14' - 0"
4 x 10	32" o.c.	14' - 0"

TABLE "B"
HEADER SIZING & SPANS
(DOUGLAS FIR #2 OR BETTER)

JOIST SPAN	HEADER	
	SIZE	SPAN
UPTO 8'-0"	4 X 8	8'-0"
	4 X 10	10'-0"
	4 X 12	11'-6"
	6 X 12	14'-0"
8'-1" - 10'-0"	4 X 8	7'-6"
	4 X 10	9'-6"
	4 X 12	11'-0"
	6 X 12	13'-0"
10'-1" - 12'-0"	4 X 8	7'-0"
	4 X 10	9'-0"
	4 X 12	10'-0"
	6 X 12	12'-0"
12'-1" - 15'-0"	4 X 8	6'-6"
	4 X 10	8'-0"
	4 X 12	9'-6"
	6 X 12	11'-0"

TABLE "C"
LEDGER BOLT SPACING
(3/8 DIA. X 6" LAG BOLTS - SEE NOTE 1)

DECK JOIST SPAN	SPACING
8'-0" OR LESS	8" O.C.
8'-1" TO 10'-0"	7" O.C.
10'-1" TO 12'-0"	6" O.C.
12'-1" TO 14'-0"	5" O.C.
14'-1" TO 15'-0"	4" O.C.

NOTES:

1. LEDGER BOLTS SHALL BE 3/8" DIA. X 6" LONG WITH 1/4" DIA. PRE DRILLED HOLES. BOLTS ARE TO BE PLACED STAGGERED.
2. ALL METAL HARDWARE & SCREWS TO BE GALVANIZED OR OF OTHERWISE APPROVED CORROSION RESISTANCE
3. MAXIMUM 5' JOIST SPAN IF 2ND FLOOR IS CANTILEVERED AT LEDGER.
4. SHEAR WALLS MAY NOT BE MODIFIED UNLESS STRUCTURAL CALCULATIONS ARE SUBMITTED AND APPROVED BY THE BUILDING DEPARTMENT.
5. ENGINEERED ANALYSIS IS REQUIRED FOR SNOW LOAD FOR ELEVATION OF 1,000 FT OR MORE.

DISCLAIMER:

ALTERNATE DECK DESIGNS MAY BE POSSIBLE WHEN PROVIDED WITH AN ENGINEERED ANALYSIS. USE OF THIS CONVENTIONAL STANDARD DESIGN IS AT THE USER'S RISK AND CARRIES NO IMPLIED OR INFERRED GUARANTEE AGAINST FAILURE OR DEFECTS.

* 4X JOIST REQUIRED FOR HIGH FIRE ZONE AREAS.



**COUNTY OF RIVERSIDE
BUILDING DEPARTMENT**

BALCONY/DECK STANDARD

(951) 955-1800

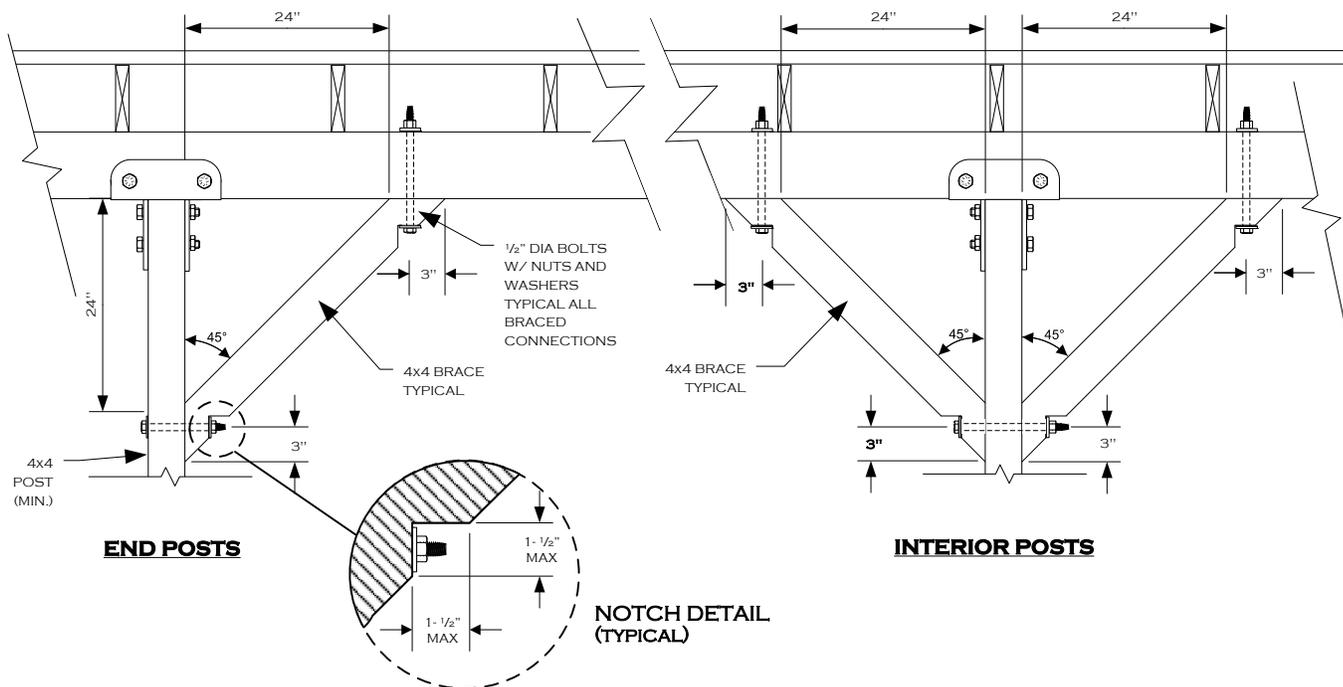
4080 LEMON ST, 9TH FL * P.O. Box 1629 *
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03/2021

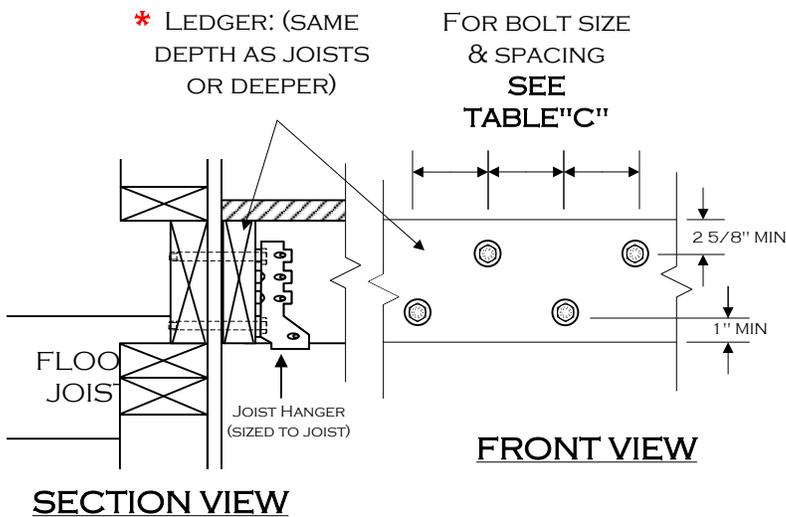
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KNEE BRACE DETAIL (A)



NOTE:
 1. END POSTS REQUIRE SINGLE KNEE BRACE. ALL INTERIOR POSTS TO HAVE DOUBLE BRACES.

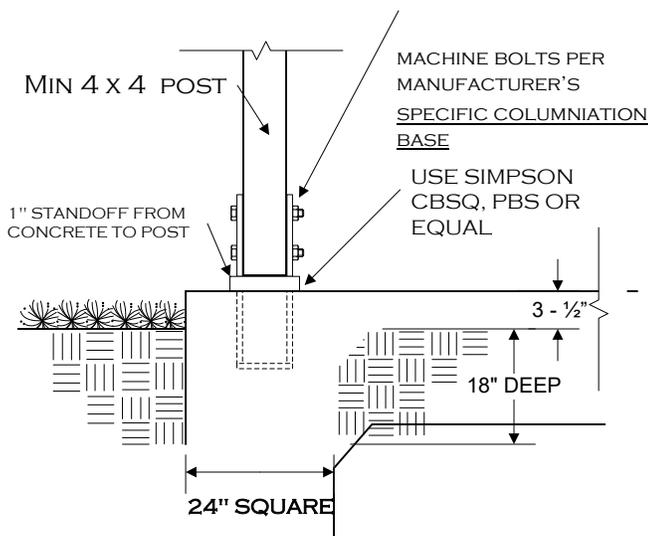
LEDGER DETAIL (B)



NOTE: THIS DECK CONNECTION DETAIL IS BASED ON THE ASSUMPTION THAT A MINIMUM 1-1/2" THICK WOOD MEMBER IS ADEQUATELY INSTALLED AT ALL EDGES OF THE 2ND FLOOR DIAPHRAGM. IF ANY OTHER MATERIAL IS USED, SUCH AS TJI JOISTS, A SPECIAL ENGINEERED DESIGN WILL BE REQUIRED. IT IS THE OWNER'S RESPONSIBILITY TO VERIFY THE PRESENCE OF THE APPROPRIATE RIM JOIST.

*** IN H.F.Z ATTACH-2X BLOCKINGS TO 2X LEDGER WITH 10 D NAILS**

FOOTING DETAIL (C)



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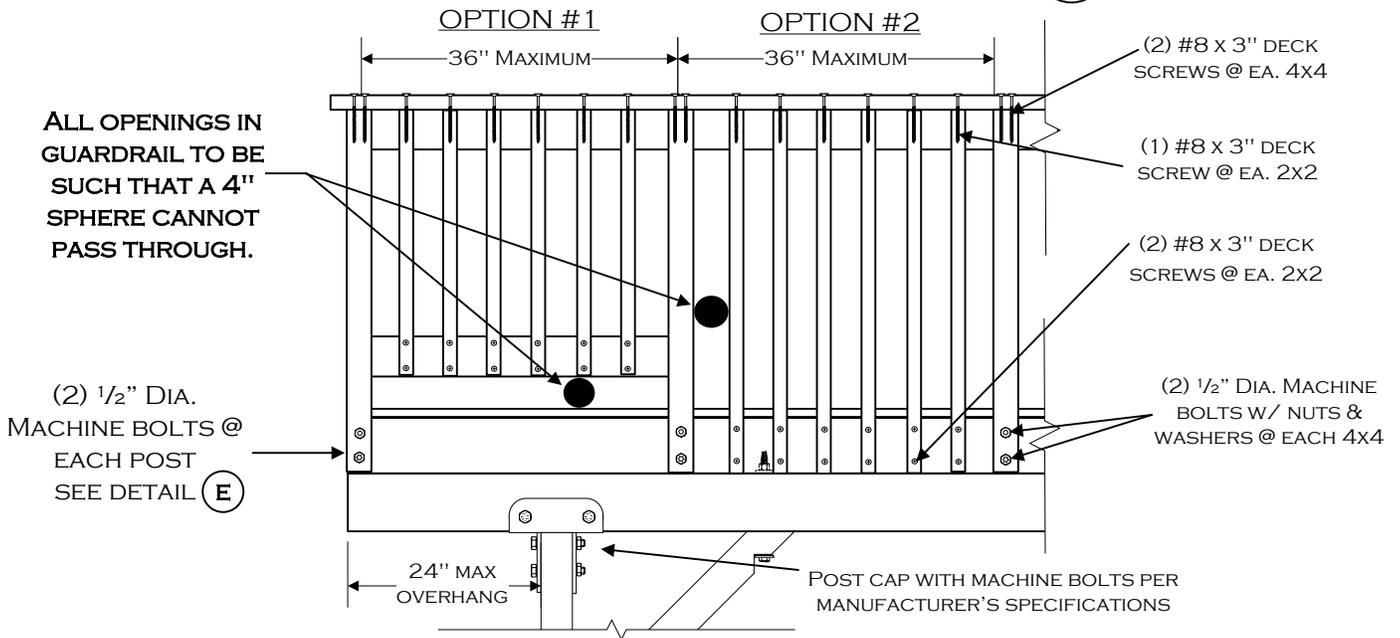
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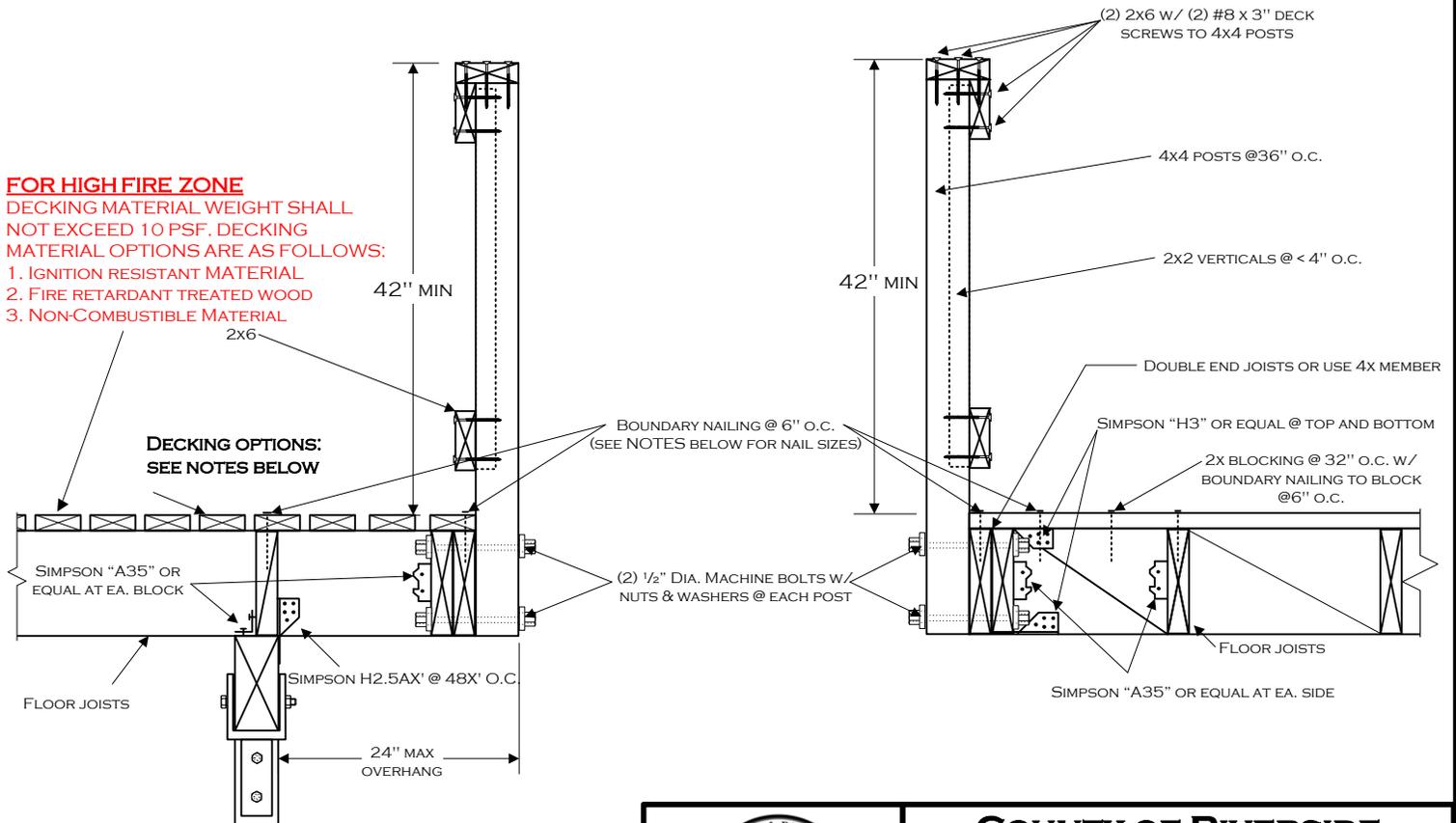
RAILING, POST, & BEAM DETAIL (D)



RAILING SECTION VIEWS (E)

GUARDRAIL PERPENDICULAR TO JOISTS

GUARDRAIL PARALLEL TO JOISTS



NOTE- DECKING OPTIONS ARE AS FOLLOWS:

- 5/8" TONGUE AND GROOVE JOINTED PLYWOOD SECURED WITH 8d NAILS. ALL EDGE NAILING AT 6" O.C. MUST BE COVERED WITH AN APPROVED WEATHER RESISTIVE MATERIAL WALKING SURFACE, AND SLOPED FOR DRAINAGE.
- 2X6" DECKING SECURED W/ (2) 16d NAILS @ EA. JOIST.



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