

SIDE VIEW

FRONT VIEW

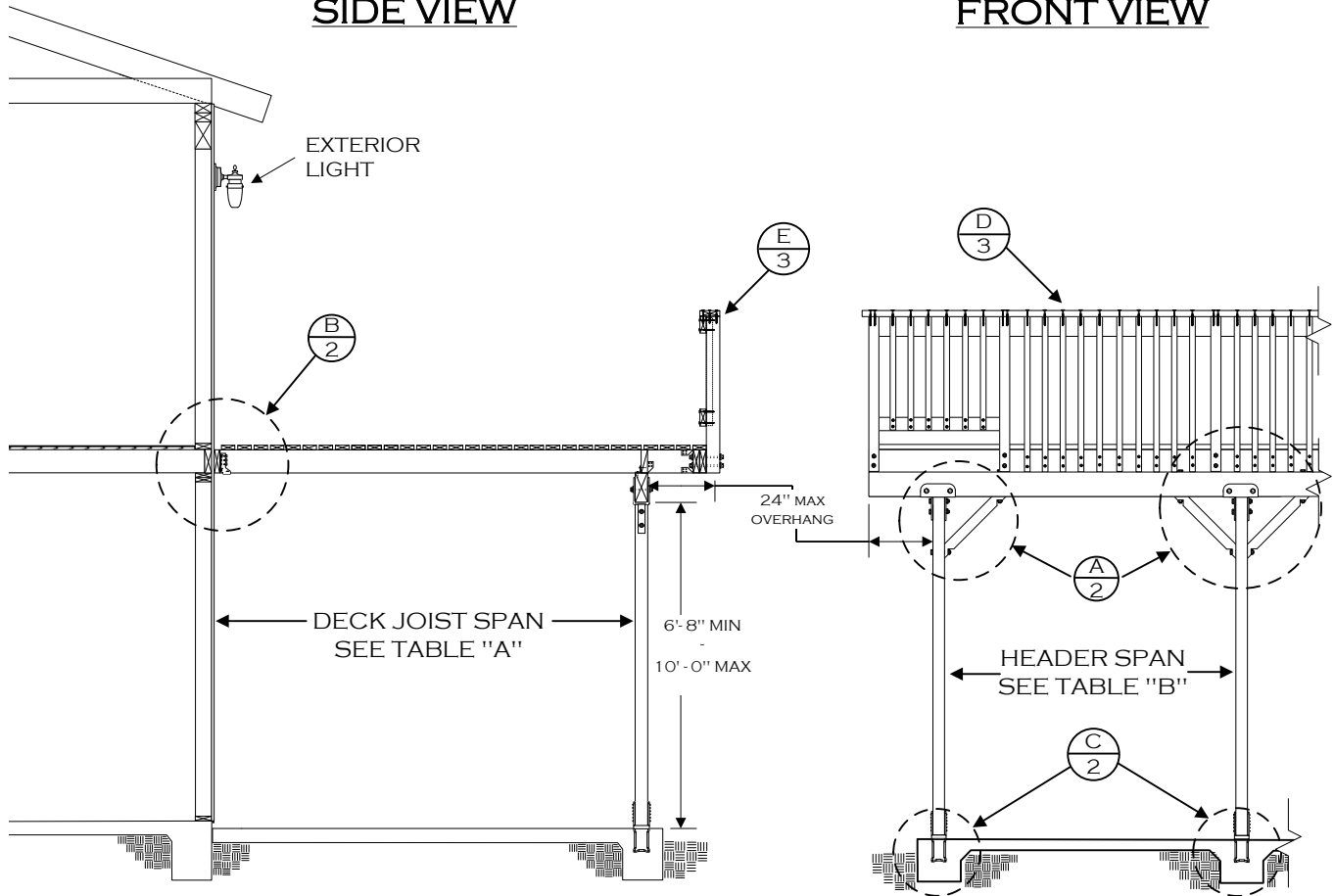


TABLE "A"
DECK JOIST SPANS
(DOUGLAS FIR #2 OR BETTER)

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.



**CITY OF PALM SPRINGS
BUILDING DEPARTMENT**

BALCONY/DECK STANDARD

(760) 323-8220

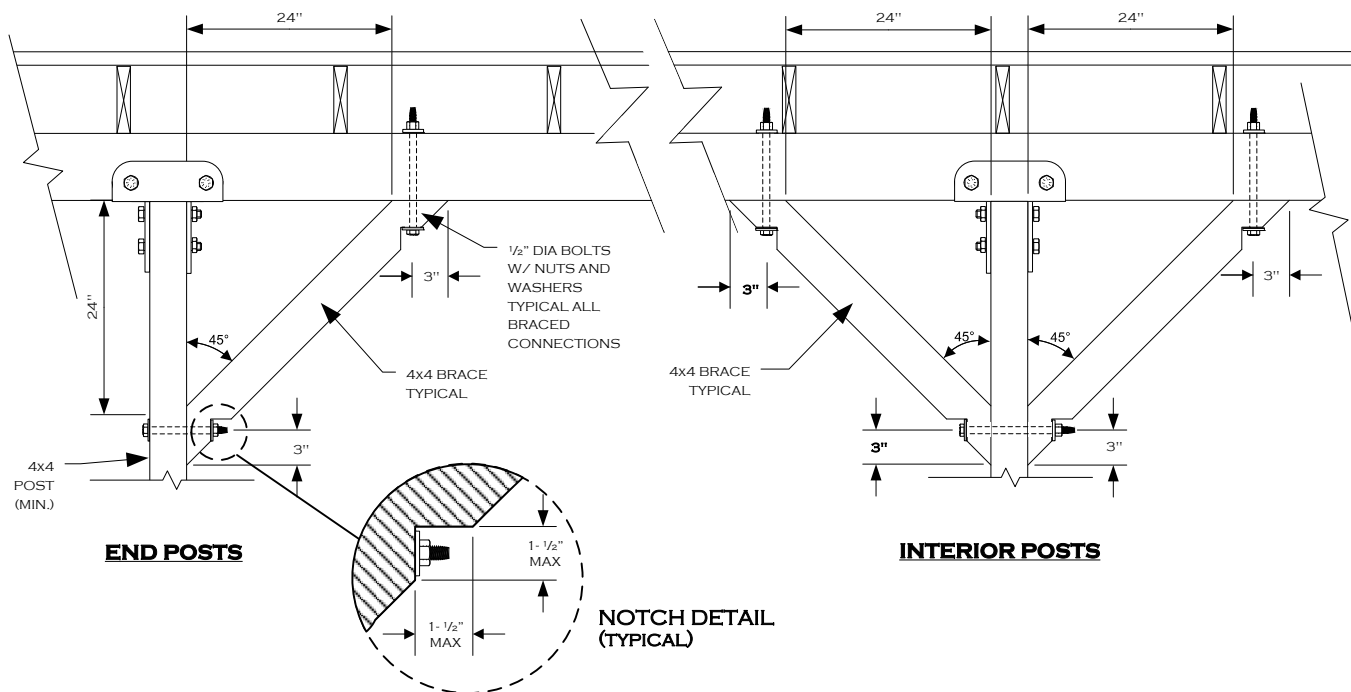
3200 E TAHQUITZ CANYON WAY
PALM SPRINGS, CA 92262

Fax (760) 322-8342

03/2021

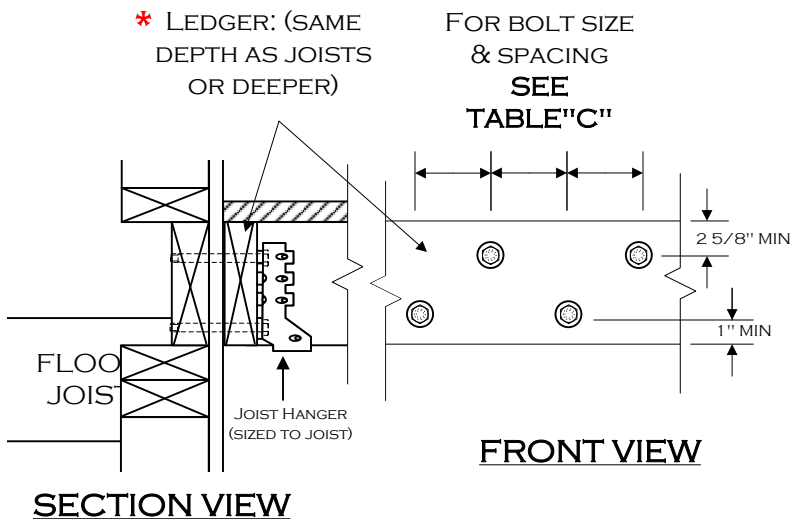
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KNEE BRACE DETAIL (A)



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

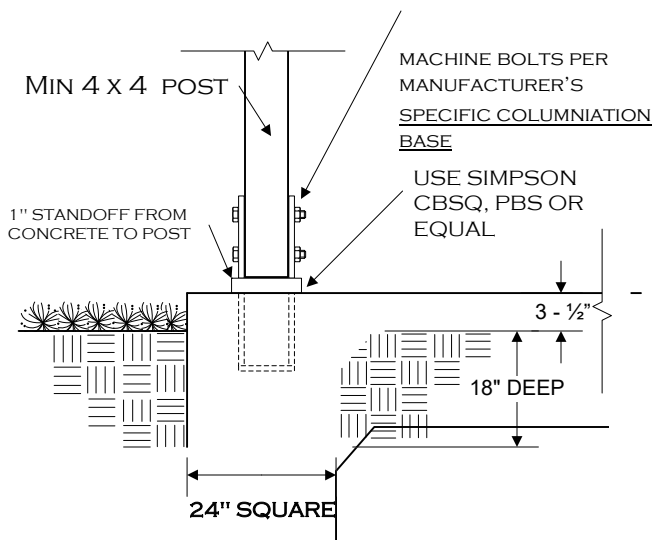
LEDGER DETAIL (B)



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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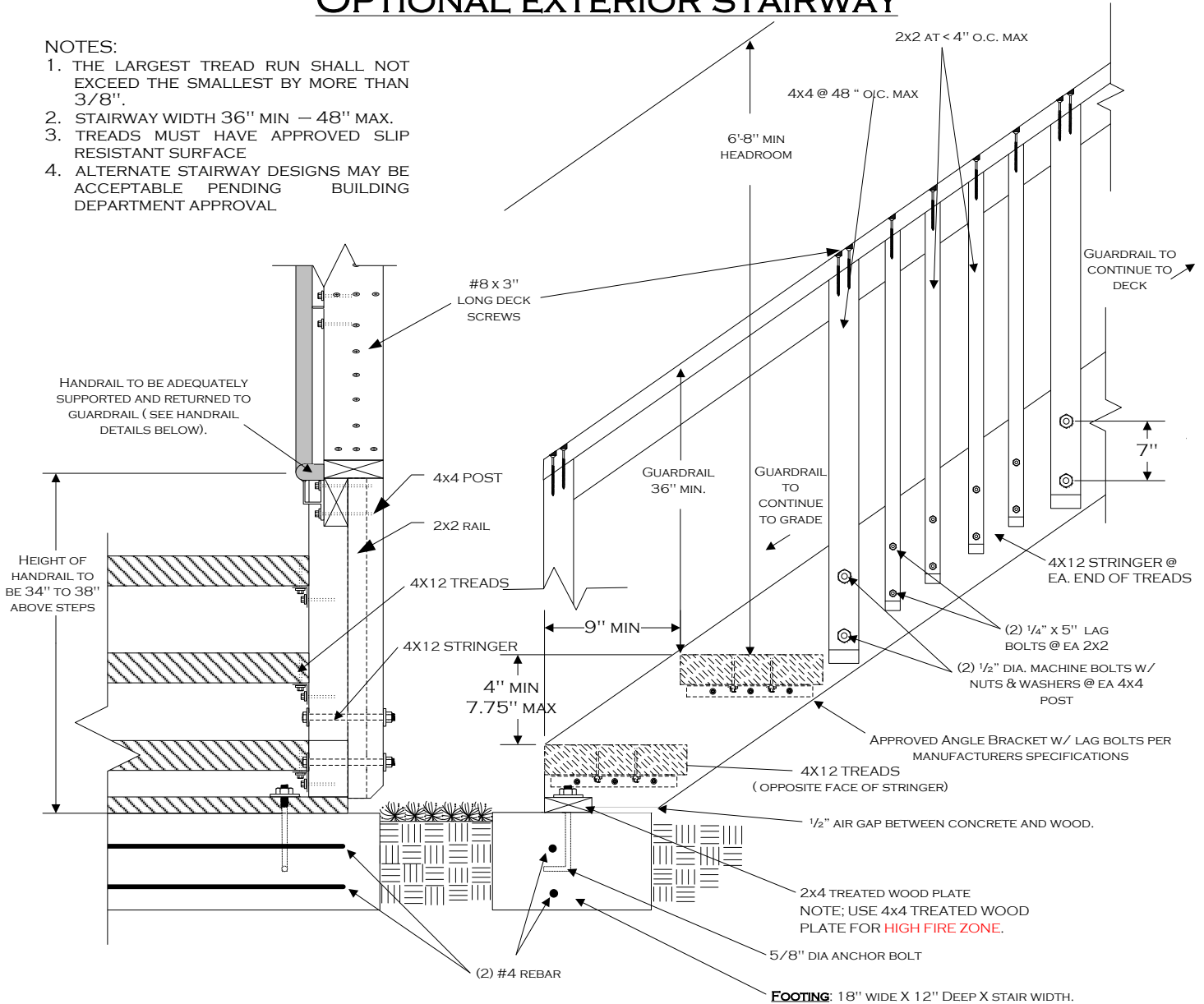
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OPTIONAL EXTERIOR STAIRWAY

NOTES:

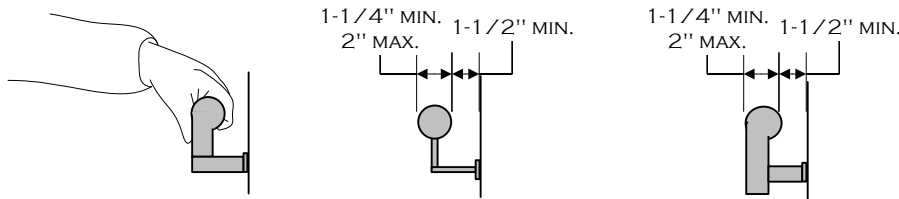
1. THE LARGEST TREAD RUN SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8".
2. STAIRWAY WIDTH 36" MIN – 48" MAX.
3. TREADS MUST HAVE APPROVED SLIP RESISTANT SURFACE
4. ALTERNATE STAIRWAY DESIGNS MAY BE ACCEPTABLE PENDING BUILDING DEPARTMENT APPROVAL



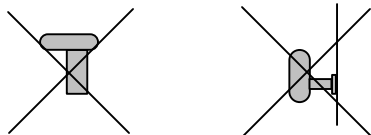
FRONT VIEW

SIDE VIEW

HANDRAIL DETAILS



NOTE: OTHER SHAPES MAY BE ACCEPTABLE IF THEY PROVIDE AN EQUIVALENT GRIPPING SURFACE.



THESE DESIGNS ARE NOT ACCEPTABLE



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