

INSPECTIONS

- 1 FOOTINGS
- 2 SOLID SHEATHING
- 3 FINAL

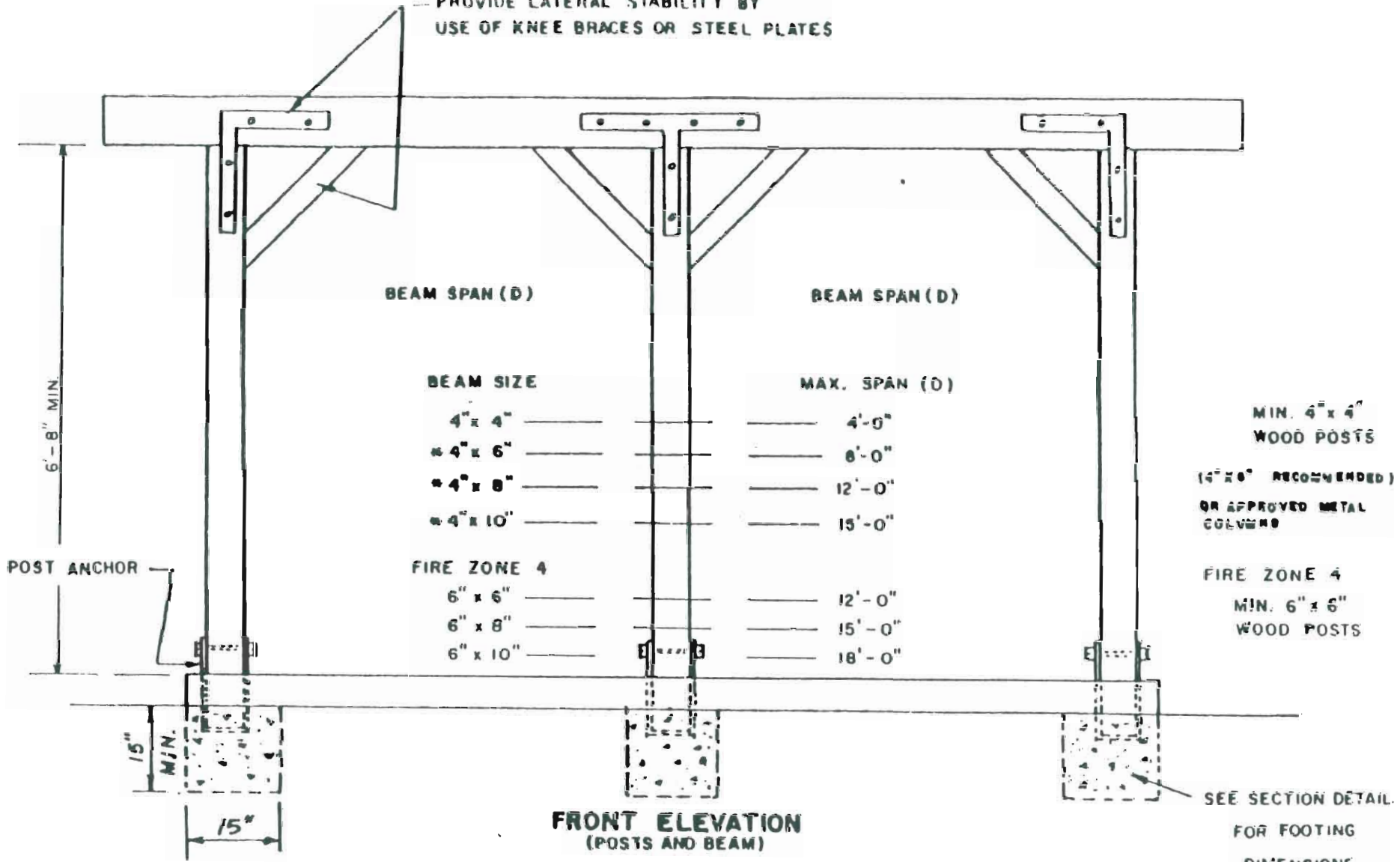
SECTION

DIVISION OF BUILDING INSPECTION
 CITY OF BREA, CALIFORNIA
 STANDARD PATIO CONSTRUCTION
 DETAILS

APRIL 6 1989

ERK

PROVIDE LATERAL STABILITY BY
USE OF KNEE BRACES OR STEEL PLATES



FRONT ELEVATION
(POSTS AND BEAM)

* FOR ROOF LOADS WHERE RAFTER SPANS EXCEED 10'-0" INCREASE BEAM DEPTH TO NEXT SIZE (E.G. 4"x6" TO 4"x8")

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TABLE "A"		
RAFTER SPANS		
SIZE	SPACING	SPAN
2 X 4	* 12"	9'-10"
	* 16"	8'-11"
	* 24"	7'- 9"
	* 32"	7'- 1"
	* 48"	5'- 9"
2 X 6	12"	15'- 5"
	16"	14'- 0"
	24"	12'- 3"
	* 32"	10'- 4"
	* 48"	8'- 5"
2 X 8	12"	20'- 4"
	16"	18'- 6"
	24"	16'- 2"
	* 32"	13'- 1"
	* 48"	10'- 8"
2 X 10	12"	25'- 0"
	16"	23'- 7"
	24"	19'-10"
	* 32"	16'- 0"
	* 48"	13'- 1"
4 X 4	12"	12'-11"
	16"	11'-10"
	24"	10'-4"
	* 32"	9'-4"
	* 48"	8'-2"
4 X 6	12"	19'-9"
	16"	18'-3"
	24"	16'-3"
	* 32"	14'-9"
	* 48"	12'-11"
4 X 8	12"	25'-0"
	16"	23'-8"
	24"	21'-3"
	* 32"	19'-5"
	* 48"	17'-0"

* This spacing and span is for lattice covering only

NOTE: All lumber shall be Doug. Fir #2 grade or better.

TABLE "B"		TABLE "C"	TABLE "D"
HEADERS		FOOTING SIZE	LEDGER BOLTING ²
RAFTER SPAN	HEADER SPAN SIZE	BASED ON 1500 PSF SOIL BEARING PRESSURE	ALL LAG BOLTS SHALL HAVE PRE-DRILLED HOLES 1/4" DIAMETER
12' or Less	8' 4 x 6 10' 4 x 8 12' 4 x 10 14' 4 x 12		
More than 12'	8' 4 x 8 9' 4 x 10 10' 4 x 12 12' 4 x 14	18" Sq x 15" Deep 18" Sq x 15" Deep 18" Sq x 15" Deep 18" Sq x 15" Deep	(2) 3/8" X 6" AT 16" O.C.

- NOTES: 1. All tables based on 2' maximum over-hang beyond header
 2. Length of lag bolts at ledger may be reduced to 5" if ledger is attached directly to studs (no stucco, plywood, or other materials between).

INVERTED HEADER DESIGN OPTION

TWO 2 X MEMBERS MAY BE SUBSTITUTED FOR ONE 4 X MEMBER (SEE TABLES "A" "B" FOR SPAN LIMITS).

TWO 1/2" DIAMETER THRU BOLTS PER CONNECTION AS SHOWN.

