



CITY OF OCEANSIDE

Building Division

300 N Coast Highway

Oceanside, CA 92054

760-435-3950

www.ci.oceanside.ca.us

I.B. 113

2022 California Residential Code

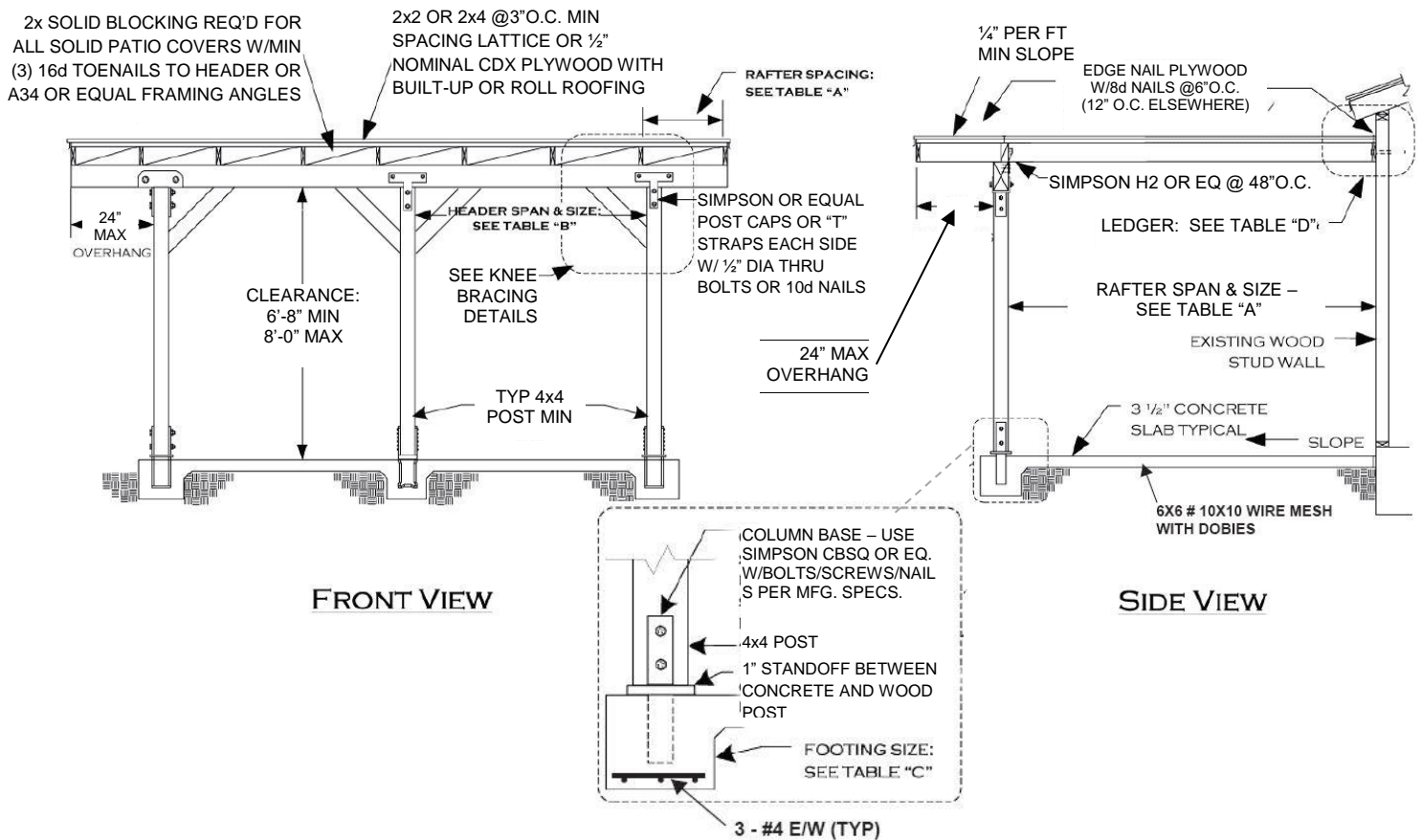
1/1/2023 - 12/31/2025

Effective Date

Residential Patio Cover

Informational Bulletin

Residential Patio Covers shall comply with the 2022 CRC Appendix AH.





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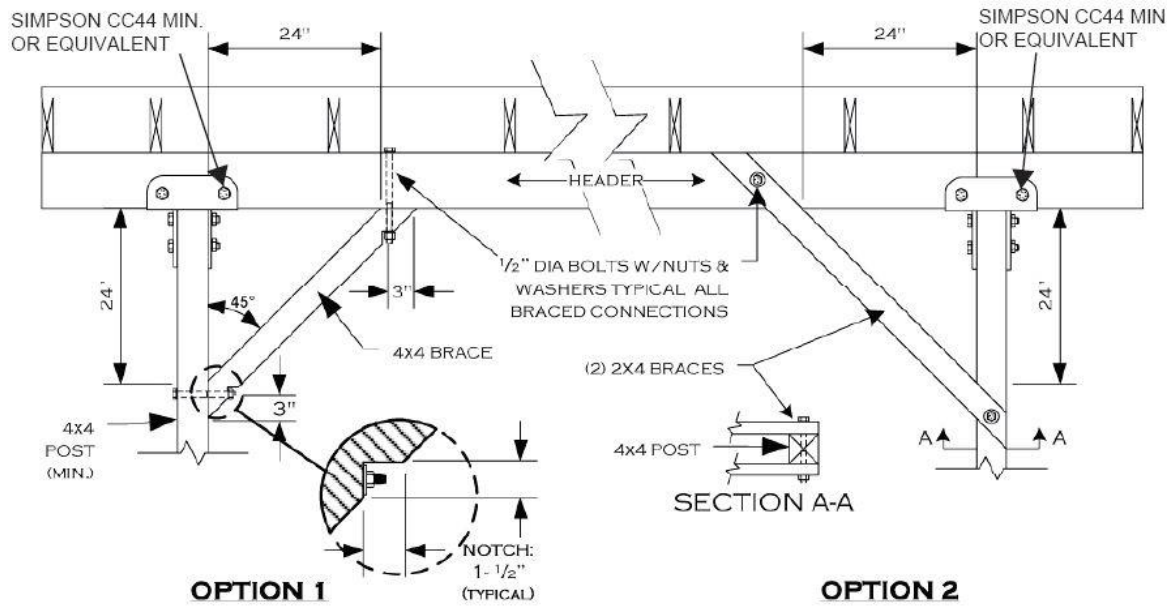
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KNEE BRACE DETAIL AT END POSTS





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TABLE "A" RAFTER SPANS (DOUGLAS FIR #2 OR BETTER)			TABLE "B" HEADER SIZE & SPANS (DOUGLAS FIR #2 OR BETTER)			TABLE "C" FOOTING SIZE	TABLE "D" LEDGER BOLTING	
SIZE	SPACING	SPAN	RAFTER SPAN	HEADER		BASED ON 1000 P.S.F. SOIL BEARING PRESSURE.	ALL LAG BOLTS SHALL HAVE 1/4" PRE-DRILLED HOLES - (SEE NOTE 2)	
				SPAN	SIZE			
2 x 4	12" O.C.	9' - 10"	UP TO 12'-0"	8'-0" MAX	4 x 6	18" SQ. X 12" DEEP	(2) 5/16" DIA X 4 1/2" LONG LAG BOLTS AT 16" O.C. ONE TOP ONE BOTTOM STAGGERED	
	16" O.C.	8' - 11"		10'-0" MAX	4 x 8	18" SQ. X 12" DEEP		
	24" O.C.	7' - 8"		12'-0" MAX	4 x 10	18" SQ. X 12" DEEP		
	32" O.C.	*6' - 3"		14'-0" MAX	4 x 12	18" SQ. X 12" DEEP		
2 x 6	12" O.C.	15' - 4"	12'-1" TO 20'-0"	8'-0" MAX	4 x 8	24" SQ. X 12" DEEP		
	16" O.C.	13' - 9"		10'-0" MAX	4 x 10	24" SQ. X 12" DEEP		
	24" O.C.	11' - 3"		12'-0" MAX	4 x 12	24" SQ. X 12" DEEP		
	32" O.C.	*9' - 7"		14'-0" MAX	4 x 14	24" SQ. X 12" DEEP		
2 x 8	12" O.C.	20' - 0"	NOTES: 1. TWO 2X MEMBERS MAY BE SUBSTITUTED FOR ONE 4X HORIZONTAL FRAMING MEMBER. 2. LAG BOLTS MUST FULLY ENGAGE A WOOD STUD OR RIM JOIST AND BE PROVIDED WITH APPROPRIATE WASHERS. LAG BOLTS SHALL BE LOCATED A MINIMUM OF 1-1/2" FROM THE TOP OR BOTTOM OF THE LEDGER. 3. NOT DESIGNED TO BE ENCLOSED - ADDITIONAL ENGINEERING ANALYSIS WILL BE REQUIRED IF ENCLOSED. 4. SEE PAGE 2 OF 2 FOR CONSTRUCTION DETAILS. 5. ARTIFICIAL LIGHTING IS REQUIRED IN ROOMS THAT HAVE WINDOW OPENINGS INTO THE COVERED PATIO AREA IF THE TOTAL WINDOW AREA IN THAT ROOM IS LESS THAN 10% OR THE FLOOR AREA OF THE ROOM OR 20 SQUARE FEET, WHICHEVER IS GREATER.					
	16" O.C.	18' - 2"						
	24" O.C.	14' - 10"						
	32" O.C.	*12' - 8"						
2 x 10	12" O.C.	20' - 0"						
	16" O.C.	20' - 0"						
	24" O.C.	18' - 11"						
	32" O.C.	*16' - 2"						
4 x 4	24" O.C.	10' - 0"						
	32" O.C.	*9' - 3"						
	48" O.C.	*7' - 8"						
4 x 6	24" O.C.	15' - 11"						
	32" O.C.	*13' - 9"						
	48" O.C.	*11' - 3"						
4 x 8	24" O.C.	20' - 0"						
	32" O.C.	*18' - 2"						
	48" O.C.	*14' - 10"						

* THIS SPACING AND SPAN IS FOR LATTICE PATIO COVERINGS ONLY.

