

TABLE "A" RAFTER SPANS (DOUGLAS FIR #2 OR BETTER)			TABLE "B" HEADER SIZE & SPANS (DOUGLAS FIR #2 OR BETTER)			TABLE "C" FOOTING SIZE BASED ON 1000 P.S.F. SOIL BEARING PRESSURE.	TABLE "D" LEDGER BOLTING $\Delta$ ALL LAG BOLTS SHALL HAVE 1/4" PRE-DRILLED HOLES - (SEE NOTE 2)	
SIZE	SPACING	SPAN	RAFTER SPAN	HEADER				
				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	1/2" DIA. X 5" LONG AT 16" O.C. 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	(2) 3/8" DIA X 5" LONG AT 16" O.C.	
	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"	<b>NOTES:</b> 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 OR FREESTANDING - ADDITIONAL ENGINEERING ANALYSIS WILL BE REQUIRED. 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. $\Delta$					
	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"						

**IF LOCATED IN A DESIGNATED FIRE ZONE, CONTACT BUILDING & SAFETY**

PROPERTY IS WITHIN A DESIGNATED FIRE ZONE	YES	NO
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**PATIO COVER STANDARD**

245 E Bonita Avenue  
San Dimas, CA 91773

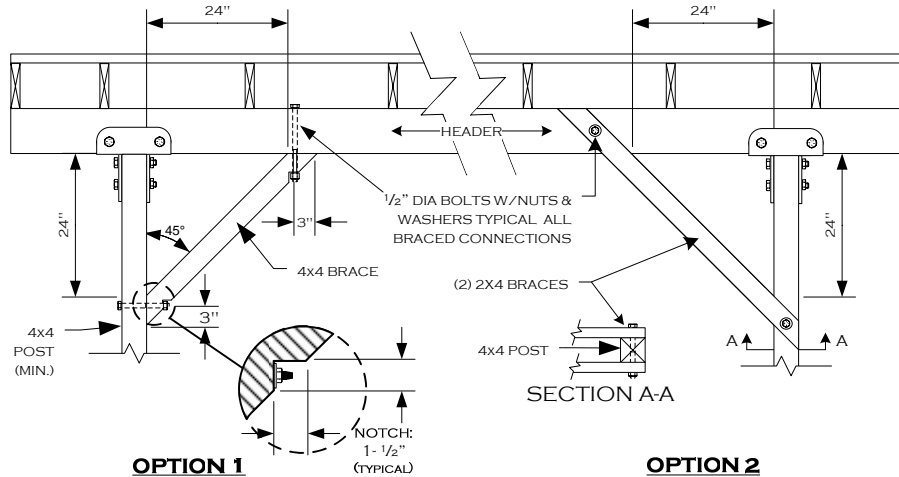
building@sandimasca.gov

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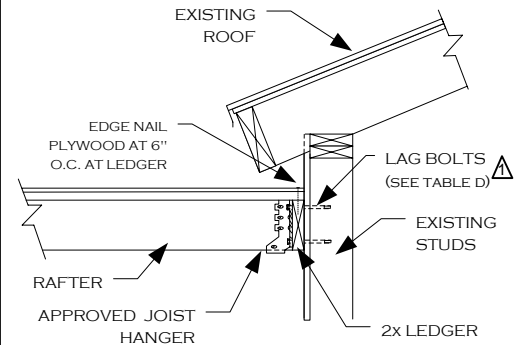
\* THIS SPACING AND SPAN IS FOR LATTICE PATIO COVERINGS ONLY.

## KNEE BRACE DETAIL AT END POSTS

(REQUIRED WHEN RAFTER SPAN EXCEEDS 12 FT.)



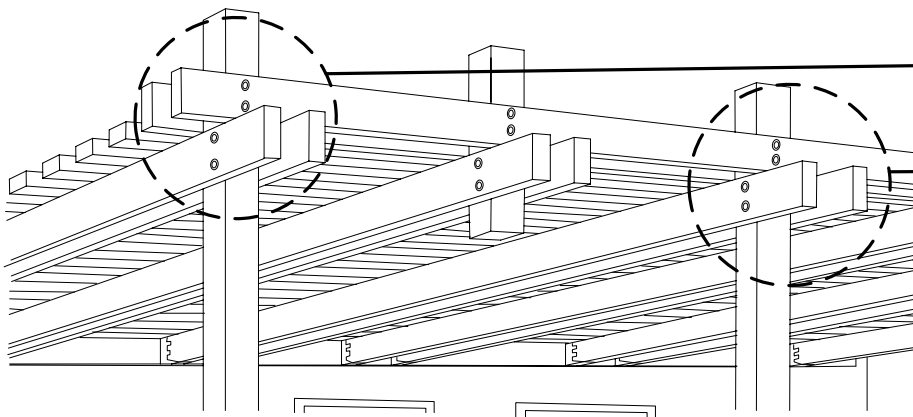
## LEDGER ATTACHMENT DETAIL



### NOTES:

1. USE A CONTINUOUS 2X LEDGER – SAME DEPTH AS RAFTER OR LARGER
2. SEE TABLE "D" FOR BOLTING REQUIREMENTS

## INVERTED HEADER DESIGN OPTION (LATTICE ONLY)



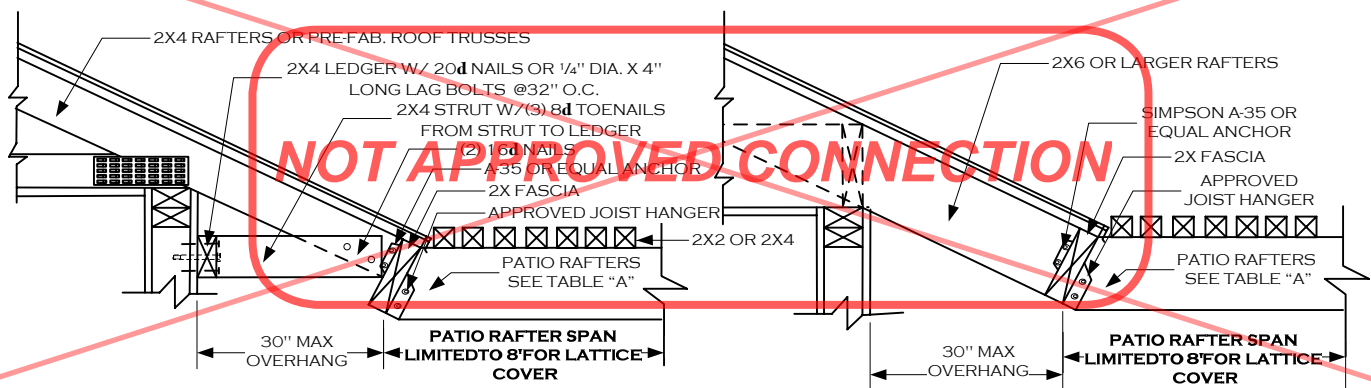
**NOTE:** KNEE BRACING REQUIRED WHEN RAFTER SPAN EXCEEDS 12 FEET

## 2X FASCIA (OVERHANG) ATTACHMENT – LATTICE ONLY

### OPTION 1

THE SIZE OF THE PATIO RAFTERS SHALL BE  $\leq$  THE ROOF RAFTERS.

### OPTION 2



**NOTE:** Verify structural soundness of roof rafters for decay or termite damage, and replace with like materials as needed. After consultation with the building department.



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