

FRONT VIEW

SIDE VIEW

TABLE "A"

RAFTER SPANS
(DOUGLAS FIR #2 OR BETTER)

SIZE	SPACING	SPAN
2 x 4	12" O.C.	9'-10"
	16" O.C.	8'-11"
	24" O.C.	7'-8"
	32" O.C.	*6'-3"
2 x 6	12" O.C.	15'-4"
	16" O.C.	13'-9"
	24" O.C.	11'-3"
	32" O.C.	*9'-7"
2 x 8	12" O.C.	20'-0"
	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.

TABLE "B"

HEADER SIZE & SPANS
(DOUGLAS FIR #2 OR BETTER)

RAFTER SPAN	HEADER		BASED ON 1000 P.S.F. SOIL BEARING PRESSURE.
	SPAN	SIZE	
UP TO 12'-0"	8'-0" MAX	4 x 6	18" SQ. X 12" DEEP
	10'-0" MAX	4 x 8	18" SQ. X 12" DEEP
	12'-0" MAX	4 x 10	18" SQ. X 12" DEEP
	14'-0" MAX	4 x 12	18" SQ. X 12" DEEP
12'-1" TO 20'-0"	8'-0" MAX	4 x 8	24" SQ. X 12" DEEP
	10'-0" MAX	4 x 10	24" SQ. X 12" DEEP
	12'-0" MAX	4 x 12	24" SQ. X 12" DEEP
	14'-0" MAX	4 x 14	24" SQ. X 12" DEEP

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.

DISCLAIMER:

ALTERNATE PATIO 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.



CITY OF BEAUMONT

BUILDING DEPARTMENT

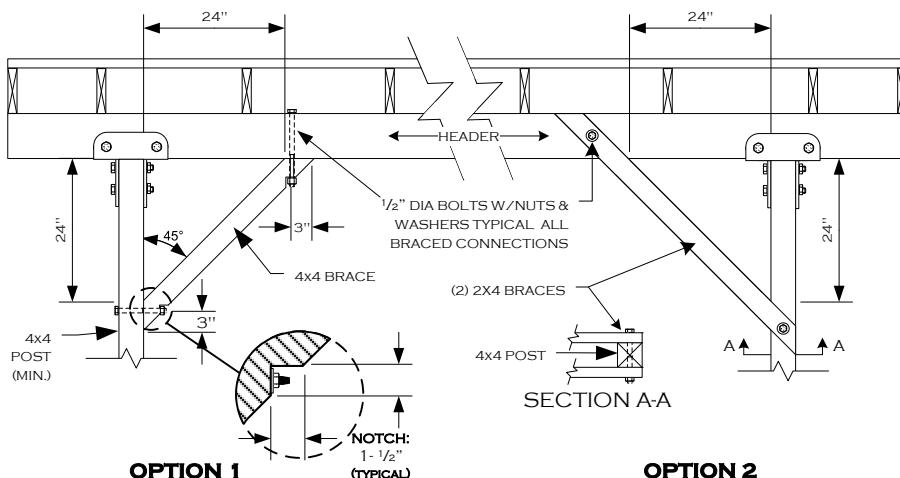
PATIO COVER STANDARD

(951) 769-8529

550 E. 6TH STREET, BEAUMONT, CA 92223

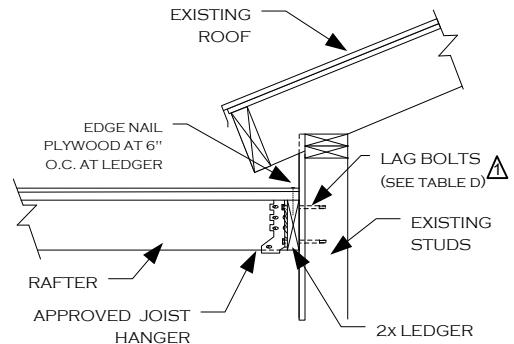
KNEE BRACE DETAIL AT END POSTS

(REQUIRED WHEN RAFTER SPAN EXCEEDS 12 FT.)



LEDGER ATTACHMENT

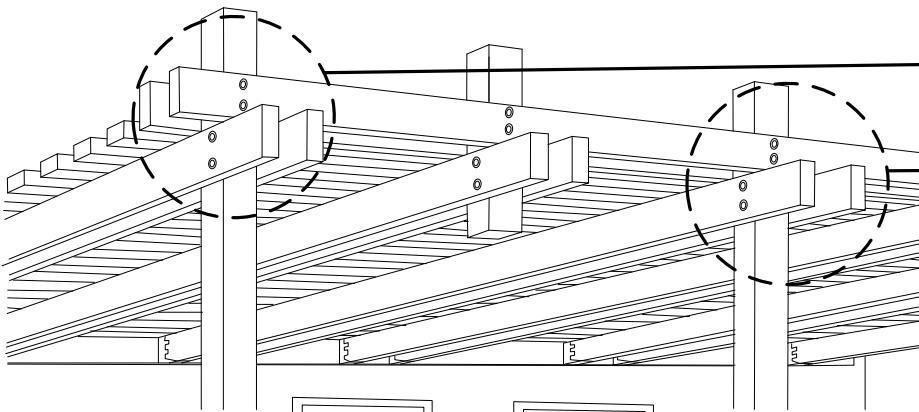
DETAIL



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)

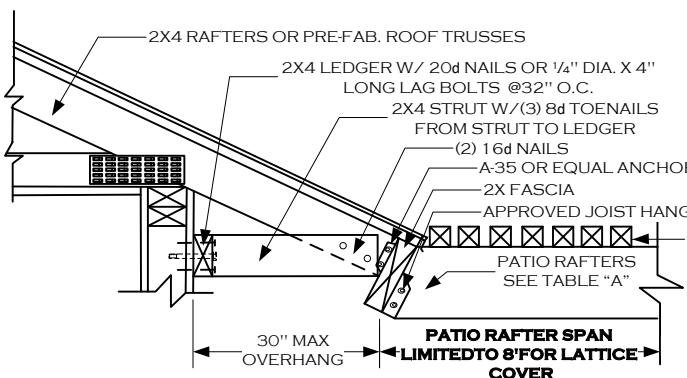


TWO 1/2" DIA. THRU-BOLTS (W/ WASHERS), PER CONNECTION AS SHOWN

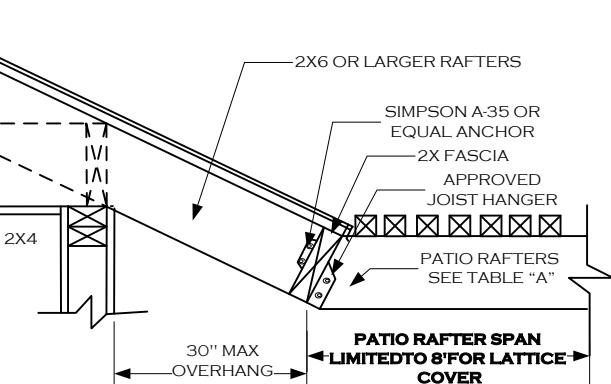
FOR HEADERS OR RAFTERS- TWO 2X MEMBERS MAY BE SUBSTITUTED FOR ONE 4X MEMBER. SEE TABLES "A" & "B" FOR SPAN LIMITS

2X FASCIA (OVERHANG) ATTACHMENT – LATTICE ONLY

OPTION 1



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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