

2X SOLID BLOCKING REQUIRED FOR ALL SOLID PATIO COVERS W/ MIN (3) 16d TOENAILS TO HEADER OR A-34 OR EQUAL FRAMING ANGLES

2X2 OR 2X4 @ 3" O.C. MIN. SPACING LATTICE OR 1/2" NOMINAL PLYWOOD WITH BUILT-UP OR ROLL ROOFING TO MATCH EXISTING

RAFTER SPACING: SEE TABLE "A"

ROOF SLOPE: 1/4" PER FOOT MIN. EDGE NAIL PLYWOOD W/ 8d NAILS @ 6" O.C. (STANDARD 6" / 12" NAILING ELSEWHERE)

24" MAX. OVERHANG

CLEARANCE: 6'-8" MIN. 8'-0" MAX.

HEADER SPAN & SIZE: SEE TABLE "B"

KNEE BRACE: SEE FRAMING DETAILS (PG. 2)

TYPICAL 4x4 POSTS MIN

SIMPSON (OR EQUAL) POST CAPS OR "T" STRAP EACH SIDE 1/2" DIA THRU BOLTS OR 16d NAILS

5 1/2 SACK CONCRETE MIX TYPE II&V CEMENT ONLY

2" OF WASHED SAND OVER 10 MIL VISQUEEN

FRONT VIEW

COLUMN BASE - USE SIMPSON CBSQ, PBS OR EQUAL W/ BOLTS/ SCREWS/ NAILS PER MFG. SPECS. 4X4 POST 1" STANDOFF BETWEEN CONCRETE AND WOOD POST FOOTING SIZE: SEE TABLE "C"

24" MAX. OVERHANG

LEDGER: SEE TABLE "D" & FRAMING DETAILS (PG. 2)

RAFTER SPAN & SIZE SEE TABLE "A"

EXISTING WOOD STUD WALL

3 1/2" CONCRETE SLAB TYPICAL

SLOPE

2" OF WASHED SAND OVER 10 MIL VISQUEEN

SIDE VIEW

EXPANSION MATERIAL 1/2" FELT

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
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"

RAFTER SPAN	HEADER	
	SPAN	SIZE
UP TO 12'-0"	8'-0" MAX	4 x 6
	10'-0" MAX	4 x 8
	12'-0" MAX	4 x 10
	14'-0" MAX	4 x 12
12'-1" TO 20'-0"	8'-0" MAX	4 x 8
	10'-0" MAX	4 x 10
	12'-0" MAX	4 x 12
	14'-0" MAX	4 x 14

BASED ON 1000 P.S.F. SOIL BEARING PRESSURE.
18" SQ. X 12" DEEP
18" SQ. X 12" DEEP
18" SQ. X 12" DEEP
18" SQ. X 12" DEEP
24" SQ. X 12" DEEP
24" SQ. X 12" DEEP
24" SQ. X 12" DEEP
24" SQ. X 12" DEEP

ALL LAG BOLTS SHALL HAVE 1/4" PRE-DRILLED HOLES - (SEE NOTE 2)
3/8" DIA. X 5" LONG AT 16" O.C. STAGGERED
(2) 3/8" DIA X 5" LONG AT 16" O.C.

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.

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.

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

WESTERN RIVERSIDE COUNTY CODE UNIFORMITY PROGRAM



CITY OF COACHELLA
BUILDING DEPARTMENT

PATIO COVER

APPROVED:

[Signature]

DATE: 3-1-07

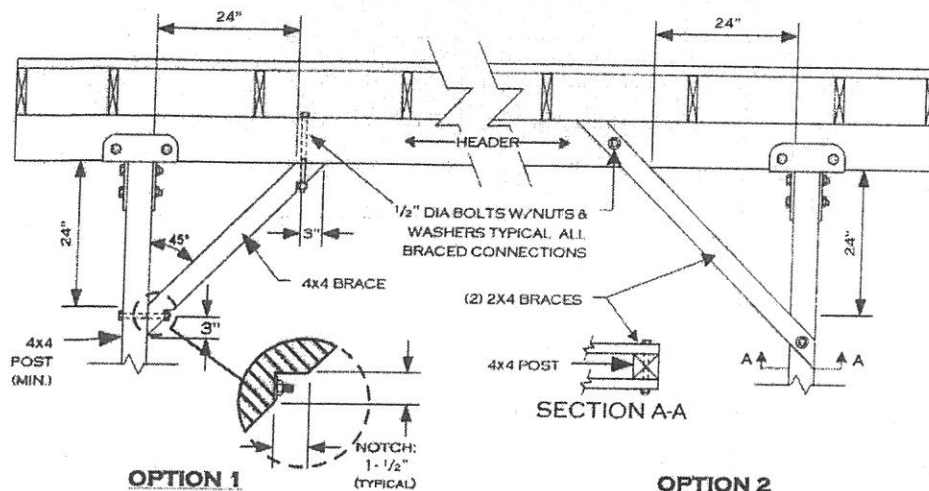
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PATIO COVER

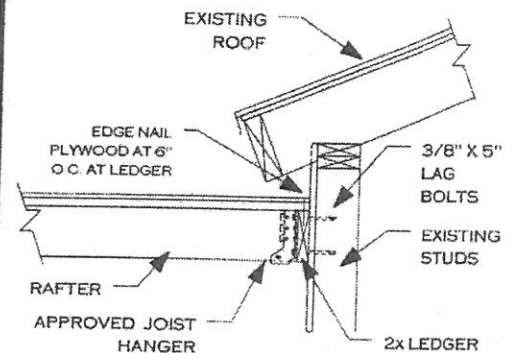
SHT10f2SHTS

KNEE BRACE DETAIL AT END POSTS

(REQUIRED WHEN RAFTER SPAN EXCEEDS 12 FT.)



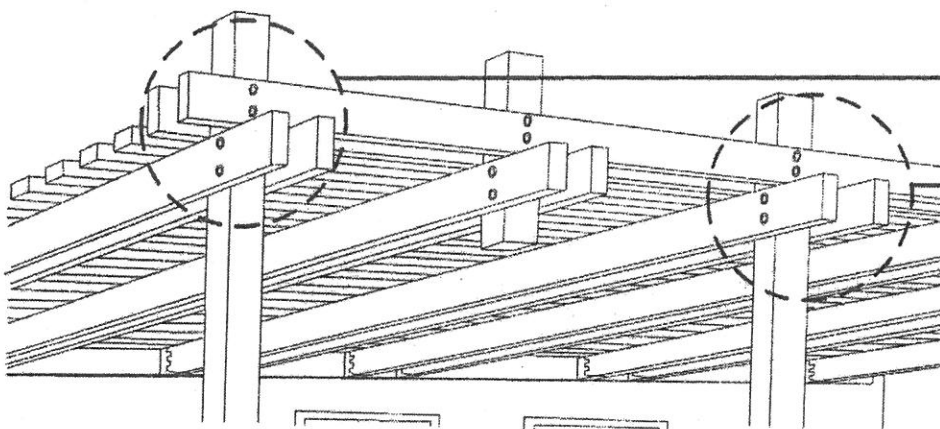
LEDGER ATTACHMENT DETAIL



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)



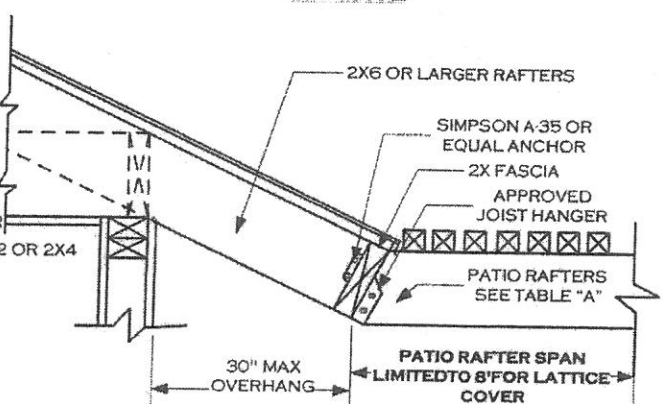
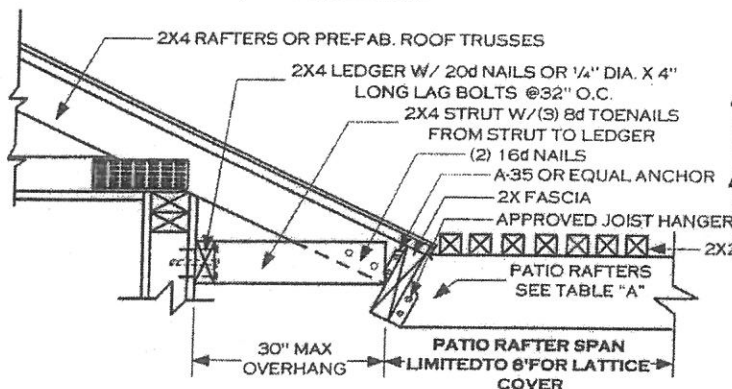
FOR HEADERS OR RAFTERS - TWO 2x MEMBERS MAY BE SUBSTITUTED FOR ONE 4x MEMBER. SEE TABLES "A" & "B" FOR SPAN LIMITS

NOTE: KNEE BRACING REQUIRED WHEN RAFTER SPAN EXCEEDS 12 FEET

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.

WESTERN RIVERSIDE COUNTY CODE UNIFORMITY PROGRAM



CITY OF COACHELLA
BUILDING DEPARTMENT

PATIO COVER

APPROVED:

2/21/07

DATE: 3-1-07

PATIO COVER

SHT 2 of 2 SHTS