



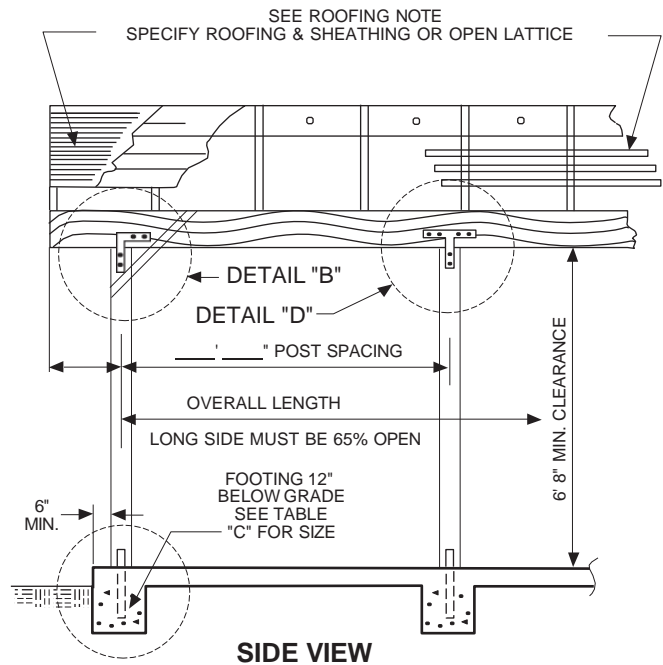
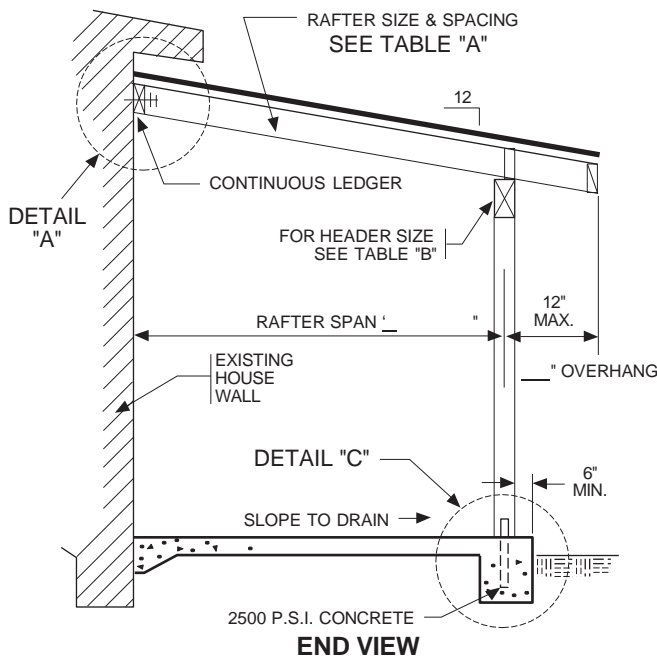
DEPARTMENT of COMMUNITY DEVELOPMENT

1700 WEST 162nd STREET / GARDENA, CALIFORNIA 90247-3732 / WWW.CITYOFGARDENA.ORG / PHONE (310) 217-9530

PATIO COVER FOR SINGLE FAMILY DWELLINGS

IMPORTANT NOTE TO PERMIT APPLICANT:

Prior to expending time, money or effort in plan preparation, the applicant should contact the Planning Division at 310.217.9524 regarding zoning, setbacks, landscape, aesthetics and other requirements. A fully dimensioned SITE PLAN shall be required on a separate 8 1/2" x 11" sheet of paper. Ask for handout on Residential Site Plan Information (**patio cover is not permitted within 5 feet of a property line**).



FOOTINGS:

CBC APPENDIX I. A PATIO COVER MAY BE SUPPORTED ON A CONCRETE SLAB ON GRADE WITHOUT FOOTINGS, PROVIDED THE SLAB IS NO LESS THAN 3 1/2" THICK AND FURTHER PROVIDED THAT THE COLUMNS DO NOT SUPPORT LIVE AND DEAD LOADS IN AN EXCESS OF 750 POUNDS PER COLUMN.

TABLE A USE:

1. DETERMINE ROOF SLOPE
2. SELECT RAFTER SPAN
3. SELECT RAFTER CENTER TO CENTER SPACING
4. SELECT RAFTER SIZE

TABLE A

RAFTER SIZE	ROOF Rafter SPAN		
	SPACING C. TO C.	ROOF SLOPE < 4:12	ROOF SLOPE ≥ 4:12
2X4	12"	8'-0"	8'-6"
	16"	7'-0"	7'-6"
	24"	6'-0"	6'-6"
2X6	12"	13'-0"	13'-6"
	16"	11'-6"	12'-0"
	24"	10'-0"	10'-6"
2X8	12"	17'-0"	17'-6"
	16"	15'-6"	16'-0"
	24"	13'-6"	14'-0"

TABLE B

SPAN OF RAFTER	POST SPACING / HEADER SIZE			
	4x4	4x6	4x8	4x10
10'-0"	5'-6"	9'-0"	11'-6"	15'-0"
12'-0"	5'-6"	8'-6"	11'-0"	14'-0"
14'-6"	5'-0"	8'-0"	10'-6"	13'-0"
16'-0"	-	7'-6"	10'-0"	12'-0"
18'-0"	-	7'-0"	9'-6"	11'-6"

TABLE C

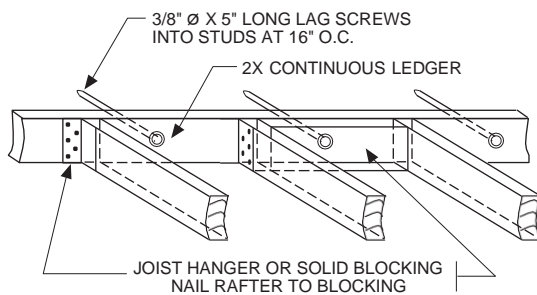
SPAN OF RAFTER	POST SPACING / FOOTING SIZE			
	5'-6"/15" sq.	9'-0"/18" sq.	11'-6"/21" sq.	15'-0"/24" sq.
10'-0"	5'-6"/15" sq.	8'-6"/20" sq.	11'-0"/22" sq.	14'-0"/26" sq.
12'-0"	5'-0"/16" sq.	8'-0"/20" sq.	10'-6"/24" sq.	13'-0"/26" sq.
14'-6"	-	7'-6"/21" sq.	10'-0"/24" sq.	12'-0"/27" sq.
18'-0"	-	7'-0"/21" sq.	9'-6"/26" sq.	11'-6"/28" sq.

TABLE B USE:

1. SELECT SPAN OF RAFTER
2. SELECT POST SPACING
3. SELECT HEADER SIZE

TABLE C USE:

1. SELECT SPAN OF RAFTER
2. SELECT POST SPACING
3. SELECT FOOTING SIZE



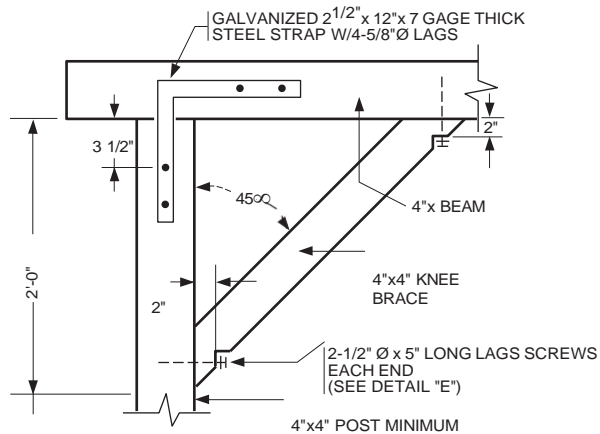
DETAIL "A"

PATIO SIZE _____
POST SIZE _____ X _____
POST SPACING _____
HEADER SIZE _____
RAFTER SPAN _____
RAFTER SIZE & SPACING _____ X _____ @ _____" OC
ROOF PITCH _____
ROOFING MATERIAL _____

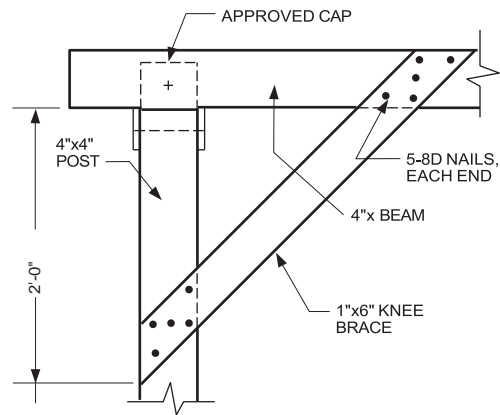


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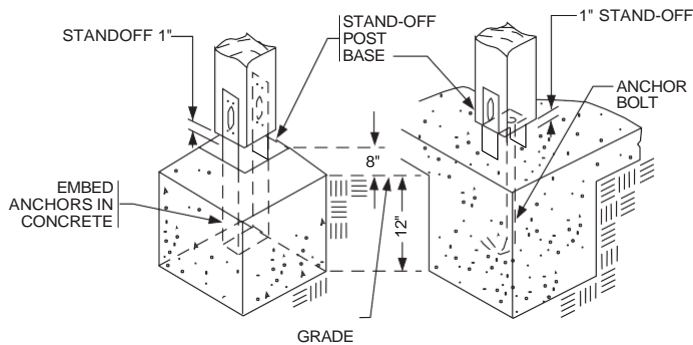
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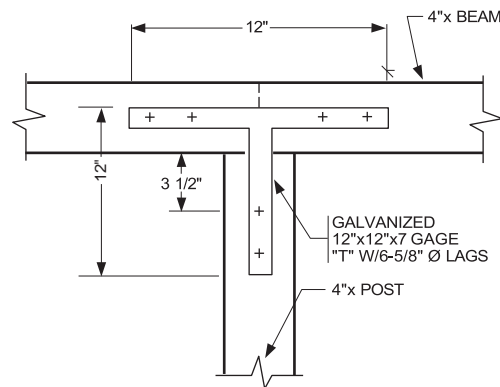
DETAIL "B"



DETAIL "B" ALTERNATE



DETAIL "C"

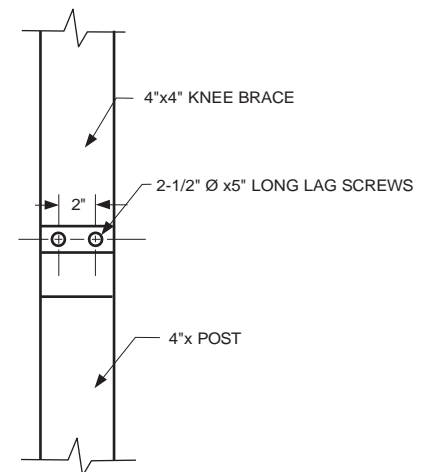


DETAIL "D"

NOTES:

- ALL MATERIALS: LUMBER, HARDWARE, PLYWOOD, ROOFING, ETC. SHALL BE NEW AND BEAR THE MANUFACTURER'S OR CERTIFIED AGENCY'S GRADE MARK.
- ALL CONSTRUCTION SHALL CONFORM TO THE CALIFORNIA BUILDING CODE CURRENTLY IN EFFECT.
- CONCRETE SLAB TO BE MINIMUM 3 1/2" THICK.
- POSTS SHALL BE MINIMUM 4"x4".
- THE BOTTOM OF POSTS SHALL BE ONE INCH (1") ABOVE SLAB.
- ROOF SHEATING SHALL BE:
 - 1/2" PLYWOOD, CDX, 5 PLY EXTERIOR GLUE, WITH INDEX 32/16, T & G STRUCTURAL I, WITH 10 d AT 6" O/C AT SUPPORTED ENDS, AND 12" O/C ALONG INTERMEDIATE FRAMING MEMBERS, OR
 - 1" BOARD SPAN 32"; 2" SOLID T&G SPAN 8'-0"; 2"x2" SELF-SPACED SPAN 6'-0".
- ROOFING SHALL BE MIN. CLASS "C" ROOF COVERING (CBC TABLE 1505.1) OF:
 - WOOD SHAKES: 4/12 PITCH
 - WOOD SHINGLES: 3/12 PITCH
 - BUILT-UP ROOF SLOPE TO DRAIN (MINIMUM 1/4"/FT.)
 - CLAY AND CONCRETE ROOF TILES INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- MAXIMUM HEIGHT FOR A PATIO COVER IS TWELVE FEET.
- PATIO COVER SHALL BE USED ONLY FOR RECREATIONAL OUTDOOR LIVING PURPOSE AND NOT AS CARPORT, GARAGE, STORAGE ROOM OR HABITABLE ROOM.
- ENCLOSURE WALLS MAY HAVE ANY CONFIGURATION, PROVIDED THE OPEN AREA OF THE LONGER WALL AND ONE ADDITIONAL WALL IS EQUAL TO AT LEAST SIXTY- FIVE PERCENT OF THE AREA BELOW A MINIMUM OF 6'-8" OF EACH WALL, MEASURED FROM THE FLOOR.
- OPENINGS MAY BE ENCLOSED WITH INSECT SCREENING OR PLASTIC THAT IS READILY REMOVABLE, TRANSLUCENT, OR TRANSPARENT PLASTIC NOT MORE THAN 1/8 INCH IN THICKNESS.
- EMERGENCY EGRESS OR RESCUE WINDOWS FROM SLEEPING ROOMS MAY OPEN INTO AN AREA OF UNENCLOSED PATIO COVER.
- PATIO COVER MUST BE AT LEAST 5 FEET FROM PROPERTY LINES.

PERSON RESPONSIBLE FOR DESIGN AND CONSTRUCTION OF PATIO COVER:



DETAIL "E"

PRINT NAME

SIGNATURE

DATE