



PATIO COVERS

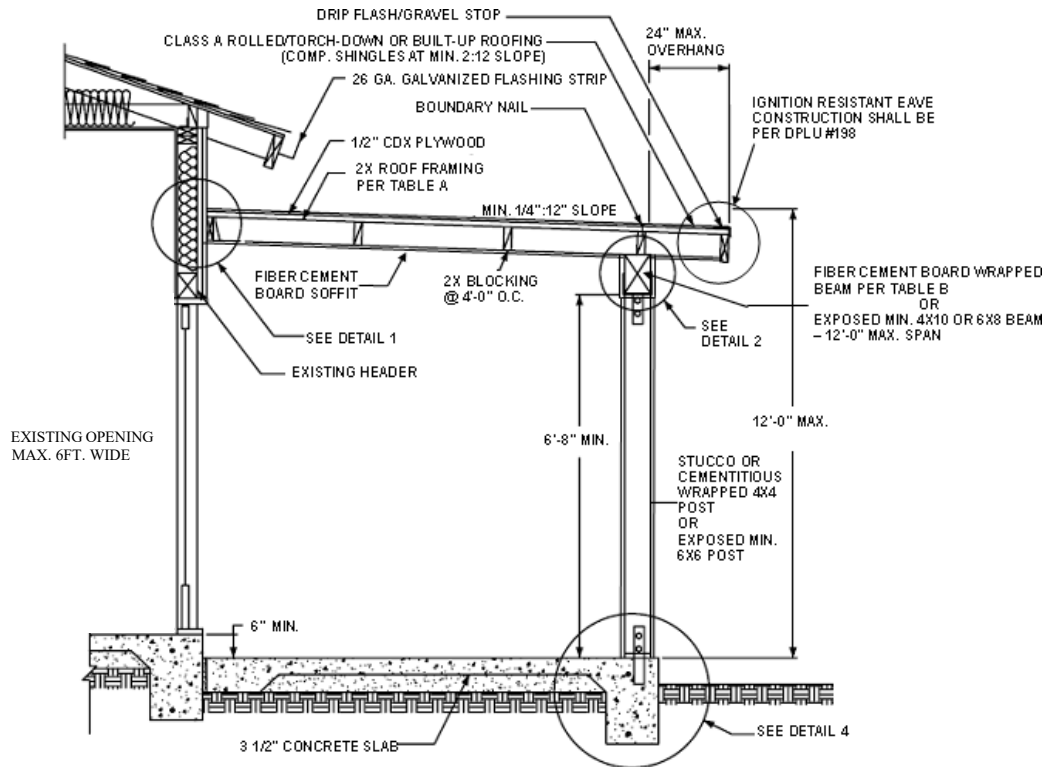
PATIO COVER REQUIREMENTS:

- ☐ Patio covers are one-story structures not exceeding 12 feet in height.
- ☐ Patio covers shall be used for recreational, outdoor living purposes and not as carports, garages, storage rooms or habitable rooms.
- ☐ Openings shall be permitted to be enclosed with insect screening.
- ☐ Enclosure walls shall be permitted to be any configuration, provided the open area of the longer wall and one additional wall is equal to at least 65% of the area below a minimum of 6'-8" of each wall, measured from the floor.
- ☐ Exterior openings required for light and ventilation shall be permitted to open into a patio structure. However, the patio structure shall be completely unenclosed if such openings are serving as emergency egress or rescue openings from sleeping rooms.
- ☐ Where the patio cover is connected to an existing building there shall be no window, door, or other openings under the patio cover that are greater than 6 feet wide, unless otherwise justified.
- ☐ Please see the Planning Department for zoning and setback requirements.
- ☐ Please see sections **B** and **C** for properties located within the *Very High Fire Severity Zone (VHFSZ)*.

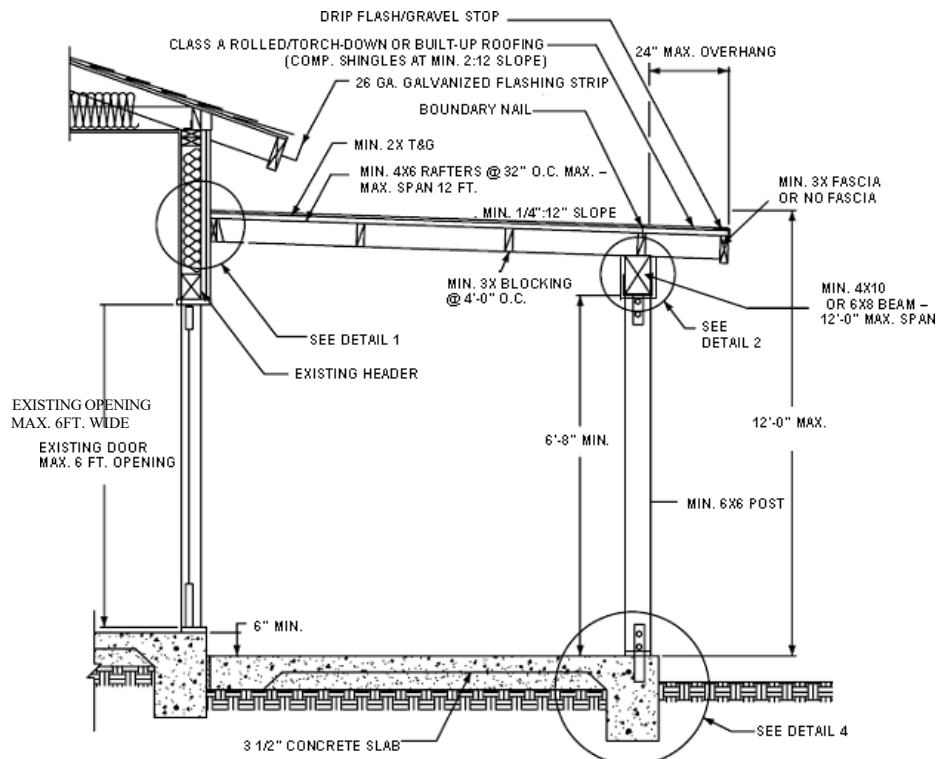
GENERAL REQUIREMENTS:

- ☐ No modification shall be made to these plans unless approval is obtained.
- ☐ The use of this standard plan is limited to residential occupancies and accessory structures.
- ☐ This plan must be accompanied by a plot plan prepared in compliance with Plot Plan Minimum Requirements.
- ☐ All work shall comply with the current *California Building Code* and/or current *California Residential Code*, as amended and adopted by the City of Rancho Cucamonga.
- ☐ Outdoor lighting fixtures shall be high-efficacy luminaires or a photo-control/motion-sensor combination.
- ☐ Framing members shall be Douglas Fir-Larch #2 or better.
- ☐ Fasteners for preservative treated wood shall be of hot dipped zinc-coated galvanized steel, stainless steel, silicon bronze, or copper.
- ☐ The horizontal distance from the bottom leading edge of footings to daylight shall be 7'-0" minimum.
- ☐ Concrete mix for footings shall have a minimum compressive strength of $f'_c = 2,500$ psi.

(A) ATTACHED PATIO COVER/CARPORT WITH ENCLOSED SOFFIT



(B) ATTACHED PATIO COVER/CARPORT WITH EXPOSED HEAVY TIMBER FRAMING



C DETACHED PATIO COVER/CARPORT WITH EXPOSED HEAVY TIMBER FRAMING

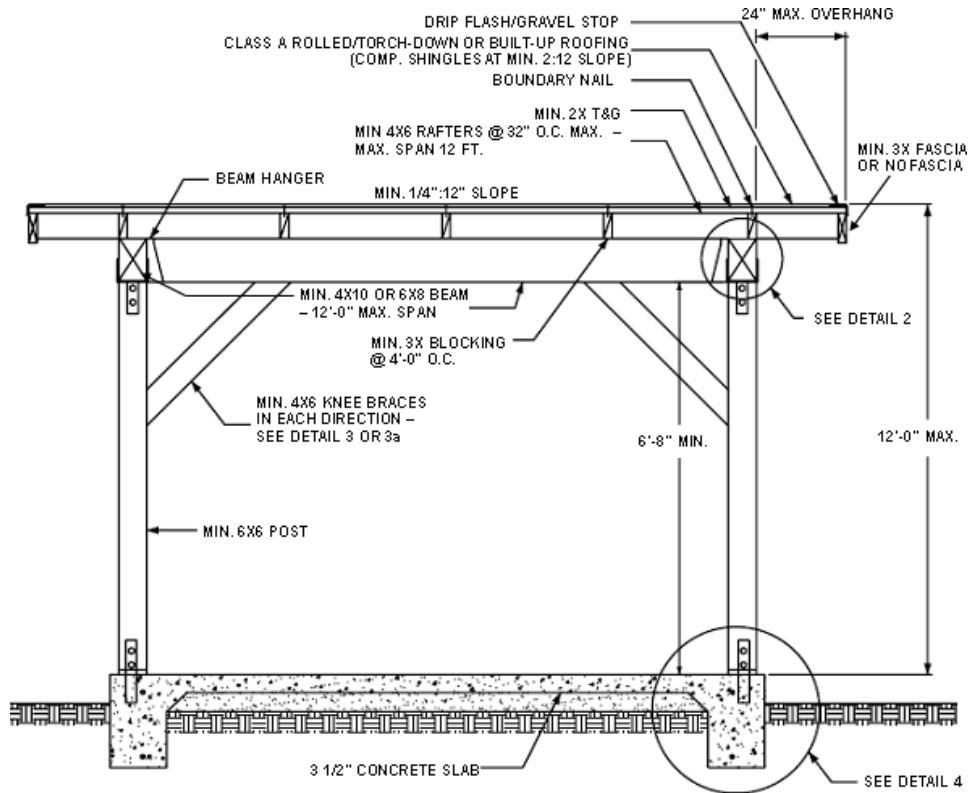


TABLE A: MINIMUM RAFTER SIZES*

Rafter Span (Ft.)	Rafter Spacing (center-to-center)		
	12"	16"	24"
6	2x4	2x4	2x4
8	2x4	2x4	2x6
10	2x6	2x6	2x6
12	2x6	2x6	2x8

*Rafters of less than 4x6 nominal size shall be approved fire-retardant treated lumber or protected by fiber cement board.

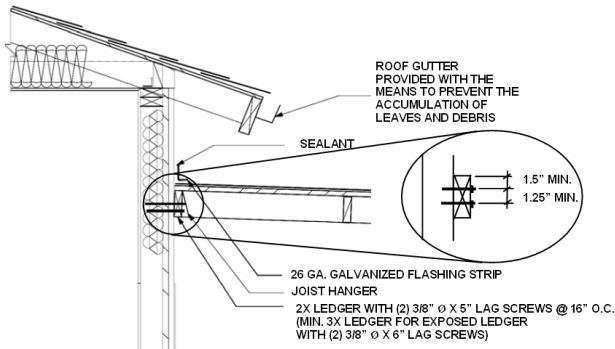
TABLE B: MINIMUM BEAM SIZES*

Post Spacing (Ft.)	Rafter Span			
	6 Ft.	8 Ft.	10 Ft.	12 Ft.
4	4x4	4x4	4x4	4x4
6	4x4	4x4	4x6	4x6
8	4x6	4x6	4x6	4x8
10	4x8	4x8	4x8	4x8
12	4x8	4x10	4x10	4x10

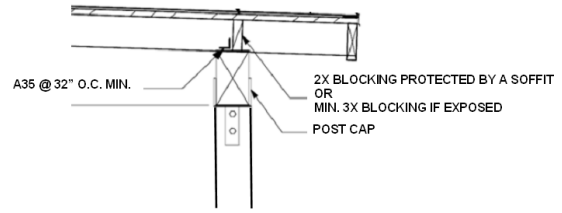
* Beams of less than 4x10 or 6x8 nominal size shall be approved fire-retardant treated lumber or protected by fiber cement board.

TABLE C: FOOTING WIDTH "W"

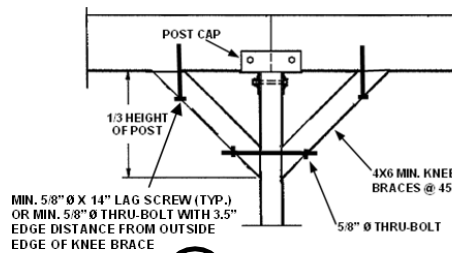
Post Spacing (Ft.)	Rafter Span (Ft.)			
	6	8	10	12
4	12"	12"	12"	12"
6	12"	12"	12"	14"
8	12"	14"	14"	16"
10	14"	16"	16"	18"
12	16"	16"	18"	18"



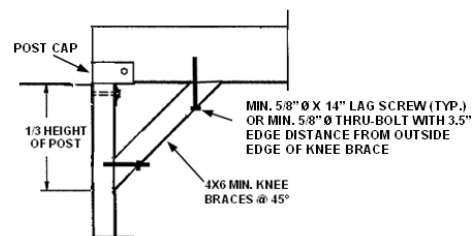
1 LEDGER AT EXISTING WALL



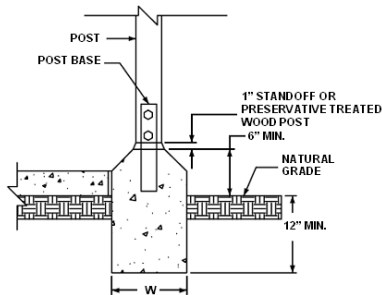
2 BEAM TO POST CONNECTION
PROVIDE BRACING AT ALL POSTS PER DETAILS 3 & 3A



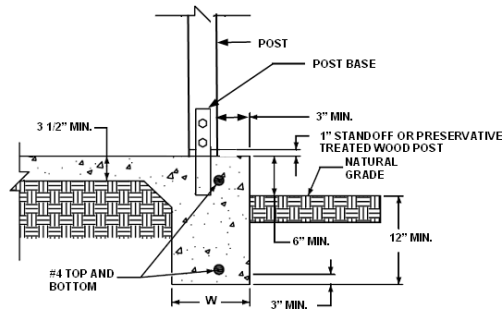
3 KNEE-BRACE



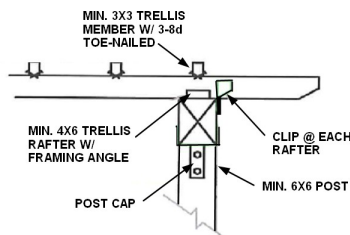
3A KNEE-BRACE @ CORNER



4 PIER FOOTING
SQUARE "W"X"W" (SEE TABLE C)



4A ALTERNATE CONTINUOUS FOOTING
(SEE TABLE C)



5 OPTIONAL TRELLIS DETAIL
PROVIDE BRACING AT ALL POSTS PER DETAILS 3 & 3A

Approved by:

Zack Neighbors
Signature

Zack Neighbors, CASp, CBO
Director of Building & Safety Services