



County of San Diego, Planning & Development Services  
**PATIO COVERS AND CARPORTS**  
**BUILDING DIVISION**

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*This standard plan complies with fire-resistive construction requirements for Wildland-Urban Interface (WUI) areas*

**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.
- The California Building Code requires that the minimum distance from property line to the proposed patio cover shall be 5 feet. Please see the Zoning Ordinance for zoning requirements.

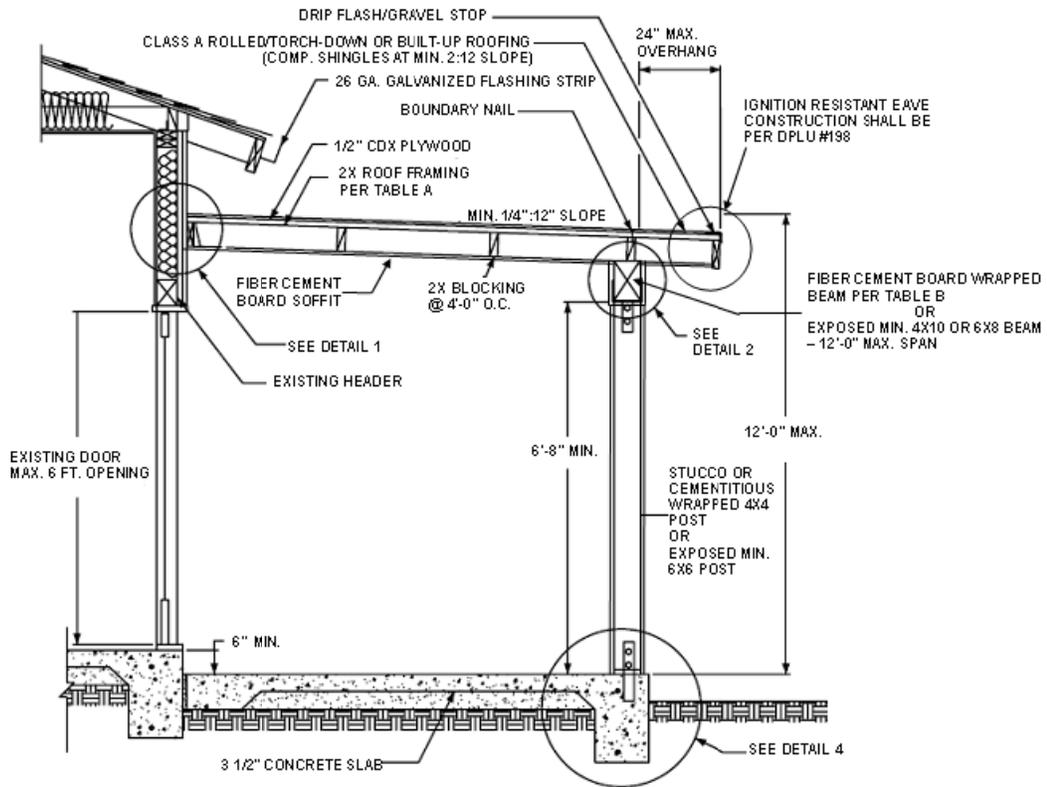
**CARPORT REQUIREMENTS:**

- Carports shall be entirely open on two or more sides.
- Where the carport is connected to an existing building there shall be no window, door, or other openings under the carport that are greater than 6 feet wide.
- Minimum distance from property line to proposed carport shall be 5 feet.

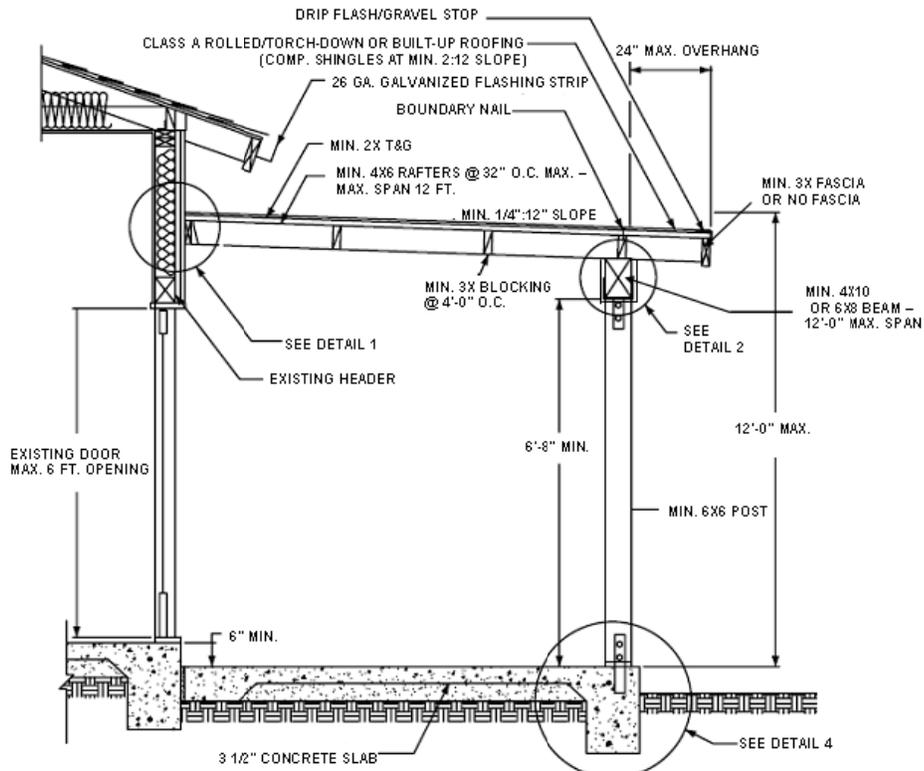
**GENERAL REQUIREMENTS:**

- 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 (PDS 090).
- All work shall comply with the 2016 *California Building Code* and/or 2016 *California Residential Code*, as amended and adopted by the County of San Diego.
- Minimum Construction Specifications (PDS 081) shall be used in conjunction with this plan.
- Outdoor lighting shall comply with the County of San Diego Outdoor Lighting Ordinance.
- 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.

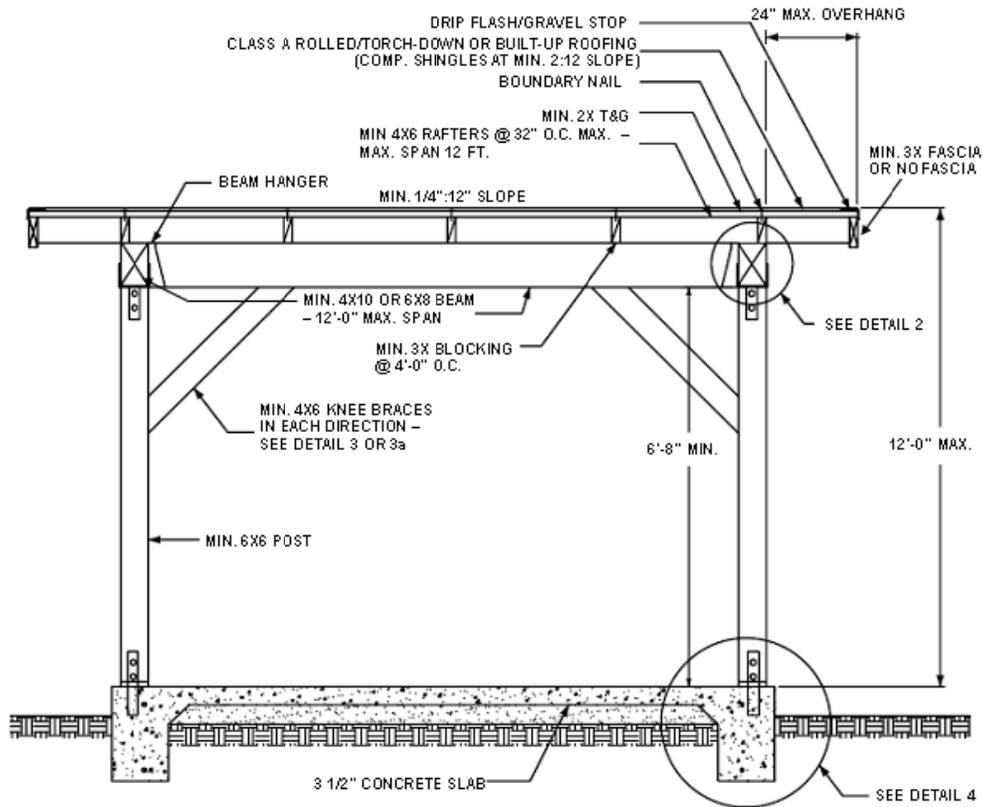
**(A) ATTACHED PATIO COVER/CARPORT WITH ENCLOSED SOFFIT**



**(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.

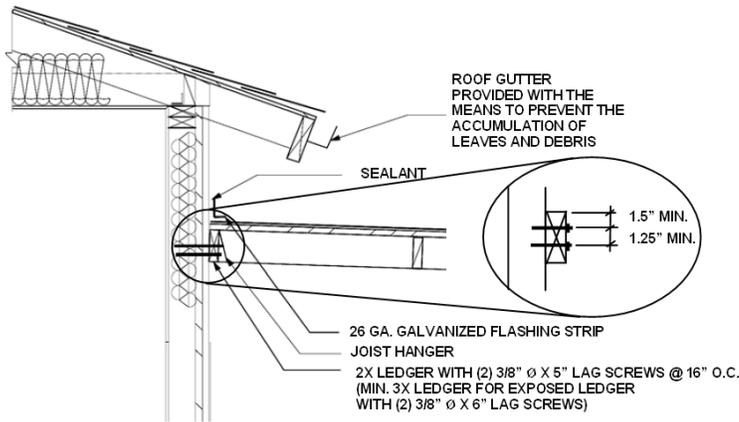
**TABLE B: MINIMUM BEAM SIZES\***

| 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   |

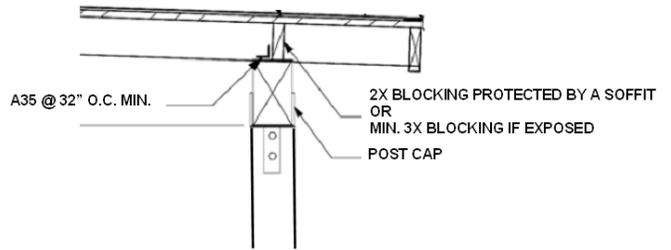
\* Beams of less than 4x10 or 6x8 nominal size shall be approved fire-retardant treated lumber or protected by fiber cement board.

**TABLE C: FOOTING WIDTH "W"**

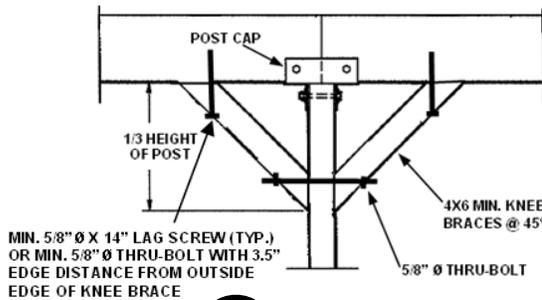
| Post Spacing (Ft.) | Rafter Span (Ft.) |     |     |     |
|--------------------|-------------------|-----|-----|-----|
|                    | 6                 | 8   | 10  | 12  |
| 4                  | 12"               | 12" | 12" | 12" |
| 6                  | 12"               | 12" | 12" | 14"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



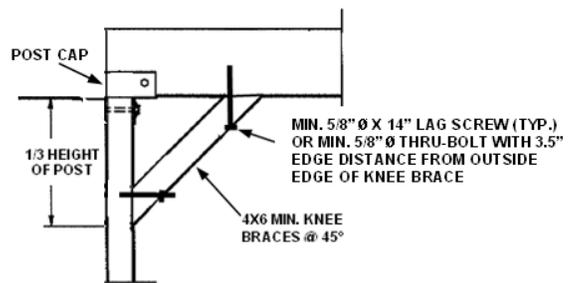
**1 LEDGER AT EXISTING WALL**



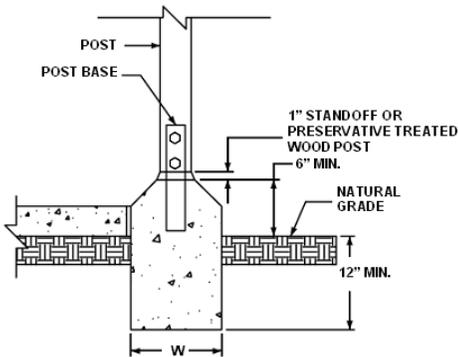
**2 BEAM TO POST CONNECTION**  
PROVIDE BRACING AT ALL POSTS PER DETAILS 3 & 3A



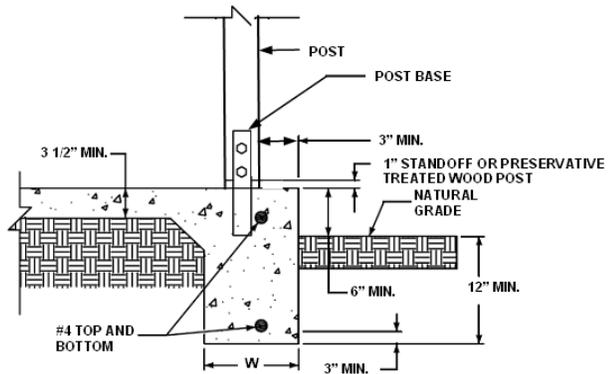
**3 KNEE-BRACE**



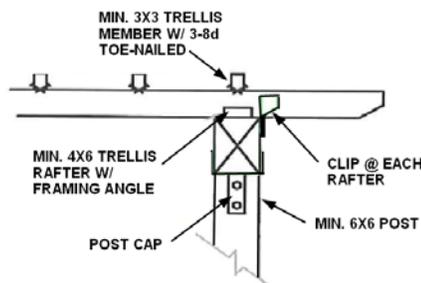
**3A KNEE-BRACE @ CORNER**



**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