



PATIO COVER AND CARPORTS

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 such exterior openings serve as an exit from the dwelling unit, the patio structure, unless unenclosed, shall be provided with exits conforming to the provisions of section CRC.
- The California Building Code requires that the minimum distance from property line to the proposed patio cover shall be 5 feet. Please see the Planning Division for zoning requirements.

CARPORT REQUIREMENTS:

- Carports shall be entirely open on two or more sides.
- Minimum distance from property line to proposed carport shall be 5 feet.

GENERAL REQUIREMENTS:

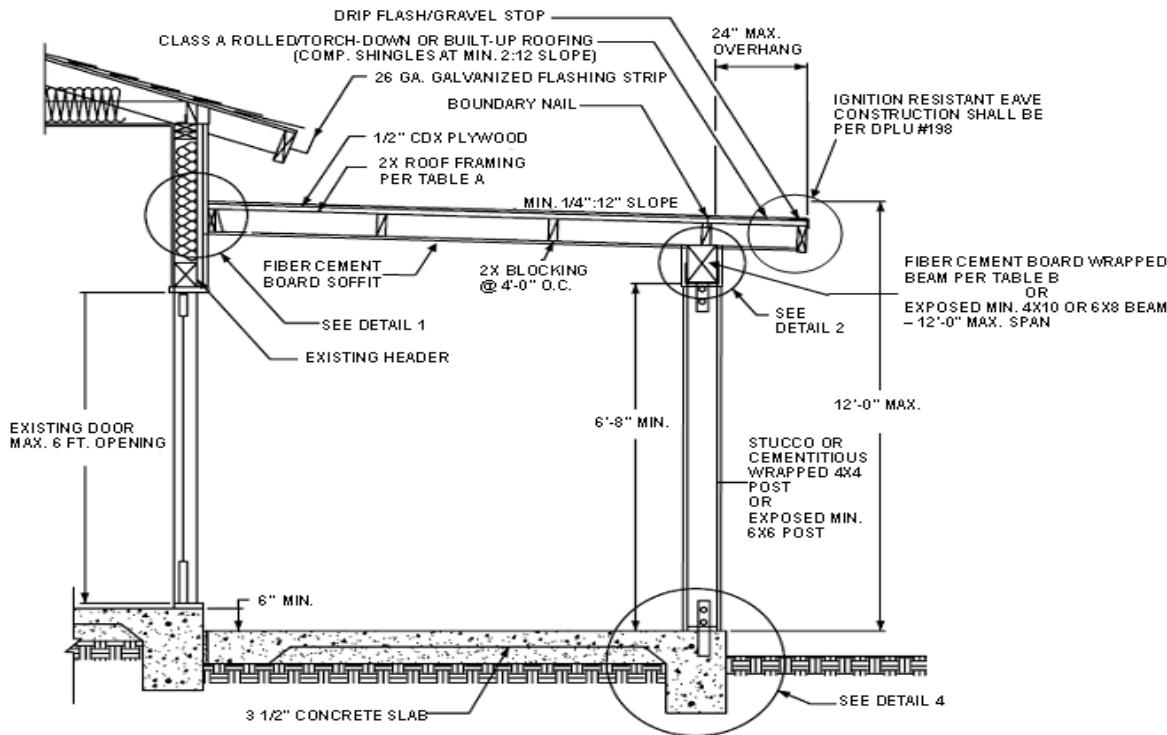
- No modification shall be made to these plans unless prior approval is obtained.
- The use of this standard plan is limited to residential occupancies.
- All work shall comply with the California Building Code as amended and adopted by the City of San Marcos.
- Minimum construction standards shall be used in conjunction with this plan.
- Lights shall be shielded where feasible and focused to minimize spill light into the night sky or adjacent properties.
- Outdoor lighting fixtures shall be high-efficacy luminaries (fluorescent, L.E.D, etc.) or a photo-control/motion-sensor combination.
- Framing members shall be Douglas Fir-Larch #2 or better and all lumber shall be grade marked.
- 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.

❖ This standard plan complies with fire-resistive construction requirements for wildland-urban interface areas.

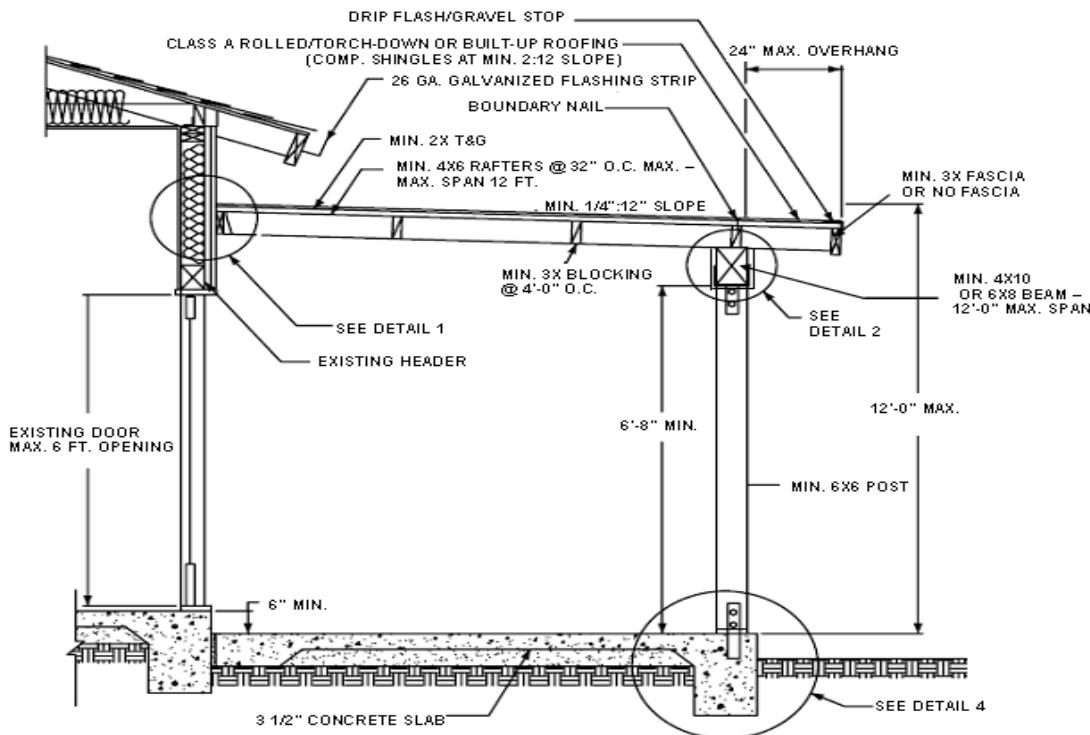


PATIO COVER AND CARPORTS

A. Attached Patio Cover/Carport (Enclosed Soffit and Wrapped Posts Shown for Ignition Resistant Construction)



B. Attached Patio Cover/Carport (Shown With Exposed Heavy Timber Framing for Ignition Resistant Construction)





PATIO COVER AND CARPORTS

C. Detached Patio Cover/Carport (Shown With Exposed Heavy Timber for Ignition Resistant Construction)

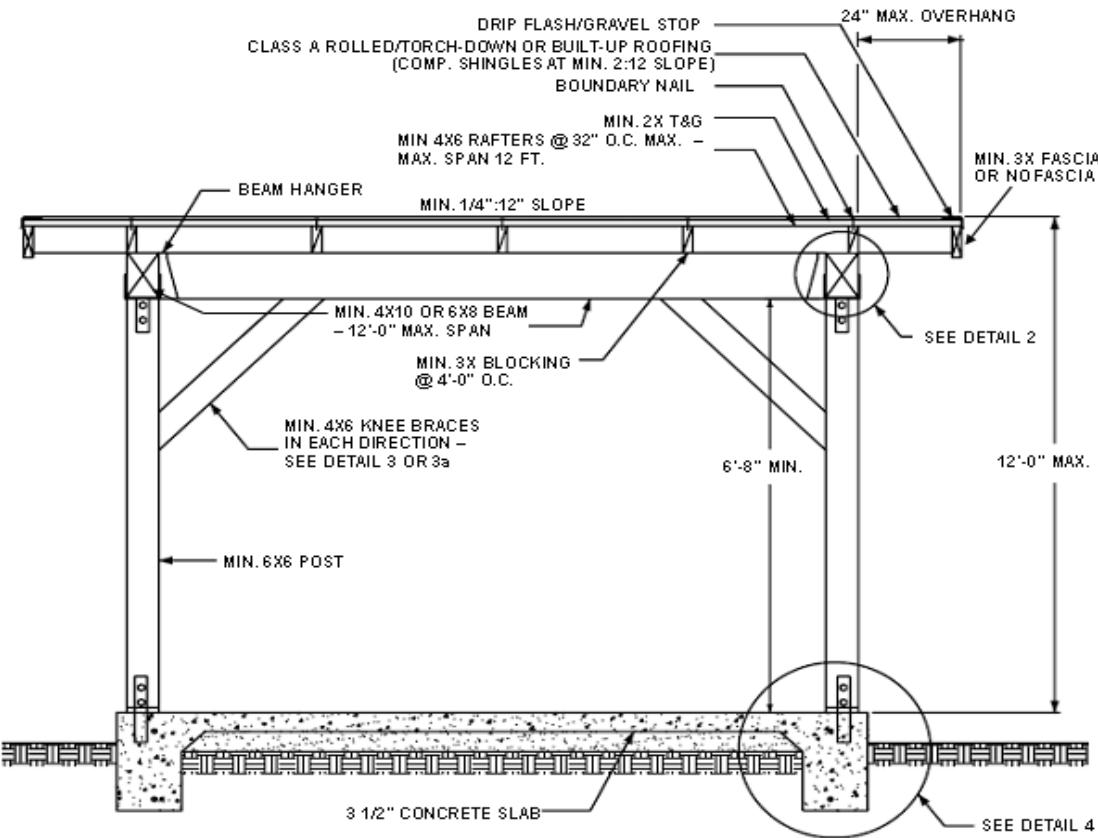


TABLE A: MINIMUM RAFTER SIZES

Rafter Spacing (center-to-center)

Use this table for standard construction; for ignition resistant construction, members must be protected or of heavy timber construction (see elevation drawings)

Rafter Span (ft.)	12"	16"	24"	32"
6'	2' x 4'	2' x 4'	2' x 4'	2' x 4'
8'	2' x 4'	2' x 4'	2' x 6'	2' x 6'
10'	2' x 6'	2' x 6'	2' x 8'	2' x 8'
12'	2' x 6'	2' x 6'	2' x 8'	2' x 8'
14'	2' x 8'	2' x 8'	2' x 8'	2' x 10'
16'	2' x 8'	2' x 8'	2' x 10'	2' x 10'

TABLE B: MINIMUM BEAM SIZES

Rafter Span (ft.)

Use this table for standard construction; for ignition resistant construction, members must be protected or of heavy timber construction (see elevation drawings)

6'	8'	10'	12'	14'	16'
4' x 4'					
4' x 4'	4' x 4'	4' x 6'	4' x 6'	4' x 6'	4' x 6'
4' x 6'	4' x 6'	4' x 6'	4' x 8'	4' x 8'	4' x 8'
4' x 8'					
4' x 8'	4' x 10'				
4' x 10'	4' x 10'	4' x 12'	4' x 12'	4' x 12'	4' x 12'

TABLE C: FOOTING WIDTH "W"

Post Spacing (ft.)	Rafter Span (ft.)					
	6'	8'	10'	12'	14'	16'
4'	12"	12"	12"	12"	14"	16"
6'	12"	12"	12"	14"	18"	18"
8'	12"	14"	14"	16"	20"	22"
10'	14"	16"	16"	18"	24"	24"
12'	16"	16"	18"	18"	27"	30"
16'	18"	18"	24"	27"	30"	32"



PATIO COVER AND CARPORTS

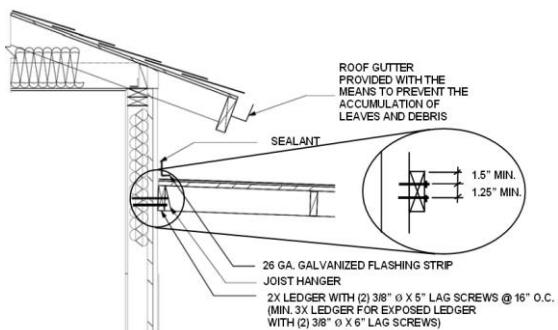


Figure 1: Ledger at Existing Wall

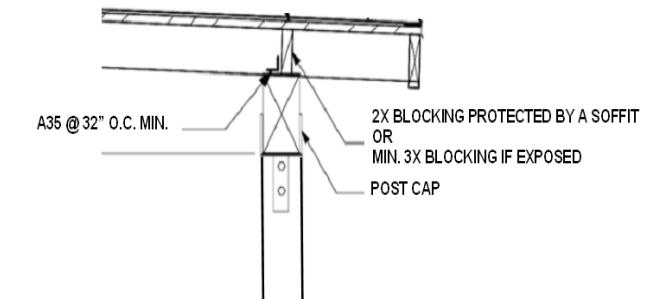


Figure 2: Beam to Post Connection
PROVIDE BRACING AT ALL POSTS PER DETAILS IN FIGURES 3 & 3a

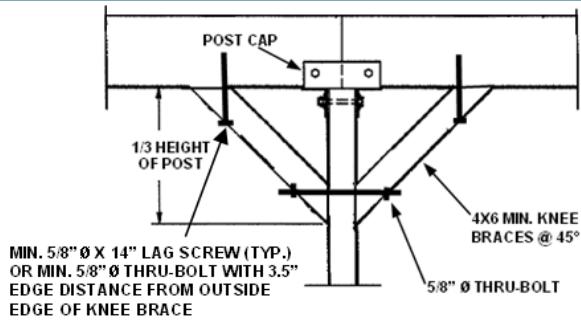


Figure 3: Beam to center post brace connection

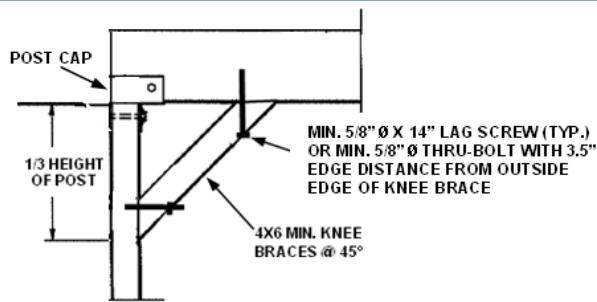


Figure 3a: Beam to end post brace connection

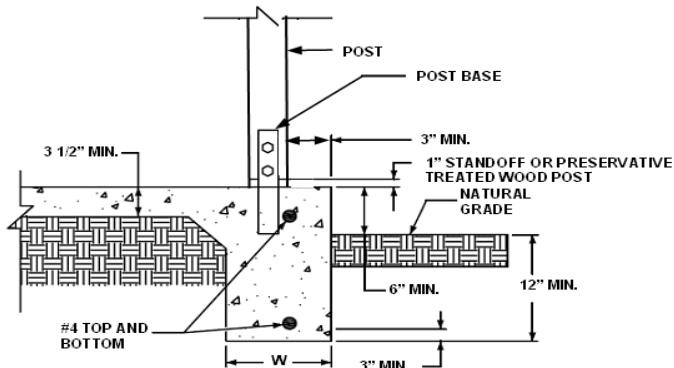
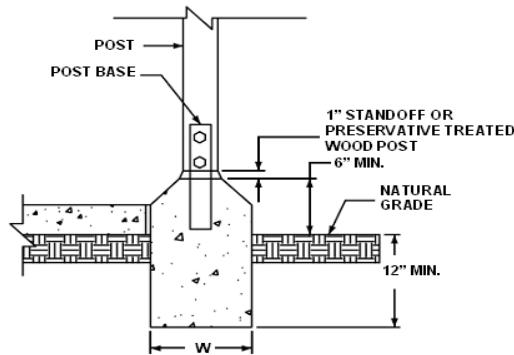


Figure 4: Pier Footing

Figure 4a: Alternate Continuous Footing

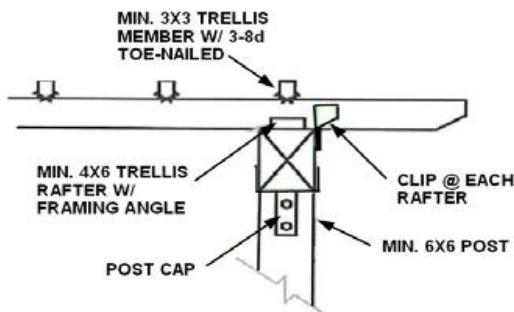


Figure 5: Optional Trellis Detail
PROVIDE BRACING AT ALL POSTS PER DETAILS IN FIGURES 3 & 3a