



**Project Address:** \_\_\_\_\_

**Owner:** \_\_\_\_\_

**Patio Cover Area:** \_\_\_\_\_

**INSTRUCTIONS:**

1. The first step in submitting applications and plans for construction of a patio cover is to secure a Zoning Clearance from the Planning Department.
2. Following Zoning Clearance issuance, submit a Patio Cover Permit Application and required submittal documents electronically on the [Building and Safety portal](#).
3. All documents must be submitted in PDF format (maximum 11 x 17"); the upper right corner of all plan pages must be reserved for City approval stamp (3.25" from the right edge and 3.25" from the top). Please review the [Electronic Plan Review Guidelines](#) for additional details specific to submittal requirements.
4. Patio covers with design details outside the scope of the "standard" for which this document applies, require engineering and structural details.

**INFORMATION:**

1. Patio covers are 1-story structures that do not exceed 12 ft in height above the adjacent grade.
2. The longest wall and one additional wall shall have a minimum open area equal to 65% of the wall area below 6'- 8".
3. Openings may be enclosed with insect screening or plastic that is 1/8" max thick translucent or transparent which is readily removable (i.e. wingnuts).
4. Such enclosures shall not obstruct bedroom egress (window or door) which is required to open onto a yard or exit court.

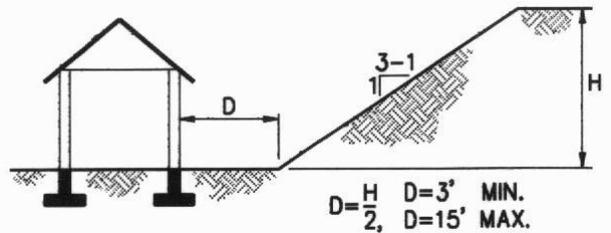
**MATERIALS:**

1. All wood shall be grade marked Douglas Fir Larch No. 2 or better. If member span is greater than 12-ft, then it shall be Douglas Fir Larch No. 1.
2. Minimum concrete strength = 4500 psf @ 28 days.
3. All pre-fabricated connectors shall be ICC/ICBO approved.

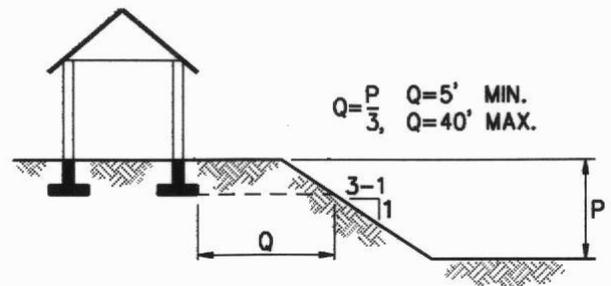
**SITE/PLOT PLAN:**

A complete site/plot plan must show the following:

1. Project scope description
2. Include applicable Building Codes; 2022 CRC & CEBC
3. Locate the property boundary and show the setback to the property lines (left, right, & rear)
4. A north arrow, and the location of the street
5. The location and dimension (length x width) of the proposed patio cover
6. Any other structures near the proposed patio cover; include the distance between the structures and the patio cover
7. Any 3:1 or steeper slopes contiguous to the site. If there are no slopes, then note on the plan: "No 3:1 or steeper slopes within 40-ft of proposed structures". Otherwise, comply with the following:
  - a) Locate the top/toe of slopes, and show the distance between the patio cover and top/toe
  - b) Specify the gradient and height of slopes
  - c) Provide site-specific slope cross-sections
  - d) The patio cover must meet the required slope setback per figures below:



**ASCENDING SLOPE**



**DESCENDING SLOPE**



**CITY STANDARD (High Fire Severity Zone 4 Requirements):**

- A. Rafters (spaced) must be a 4x6 min. (heavy timber)
- B. Supporting beams/headers must be a 6x8 min. (heavy timber)
- C. Columns must be 6x8 min. (heavy timber) or 4x4 wrapped with 1-hour fire resistant material
- D. Lattice members must be non-combustible or 3x3 lumber
- E. Solid covered roof must be non-combustible, heavy timber (2x deck material), and 1-hour constructed. If 2x rafters are used, then the underside must be completely covered with stucco or type 'x' gypsum board and **the roof covering is a Class 'A' fire-rated assembly**. If tile roof covering is proposed, specify below the manufacturer, model, weight per square foot (6 psf max.), and ICC number (or another report from another approved testing agency).
  - Manufacturer: \_\_\_\_\_
  - Model: \_\_\_\_\_
  - Weight per SF: \_\_\_\_\_
  - Report # : \_\_\_\_\_

**PATIO COVER SPAN TABLES**

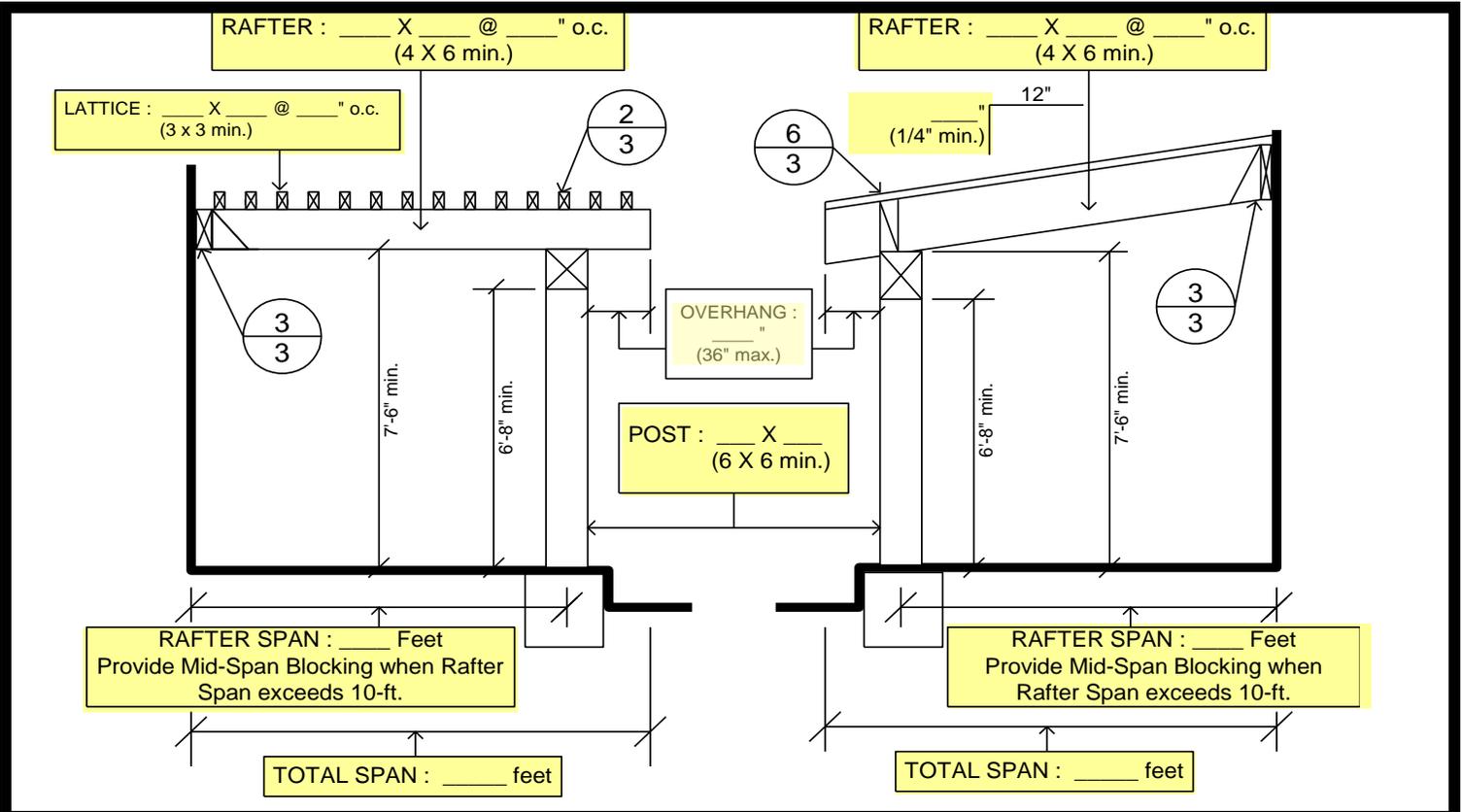
Use the tables below to determine (fill in the blank on the next page) the adequate member sizes for the rafter and header.

OPEN LATTICE PATIO - RAFTER MAX. SPANS (FEET)					
Size	Spacing (inches o.c.)				
	16	24	32	36	48
4X6	20	18	16	14	13
4X8	-	-	20	18	17
4X10	-	-	-	-	20

OPEN LATTICE PATIO - HEADER MAX. SPAN (FEET)		
Size	Rafter Span (ft)	
	Up to 10	Up to 20
6X8	16	12
6X10	20	16
6X12	22	18

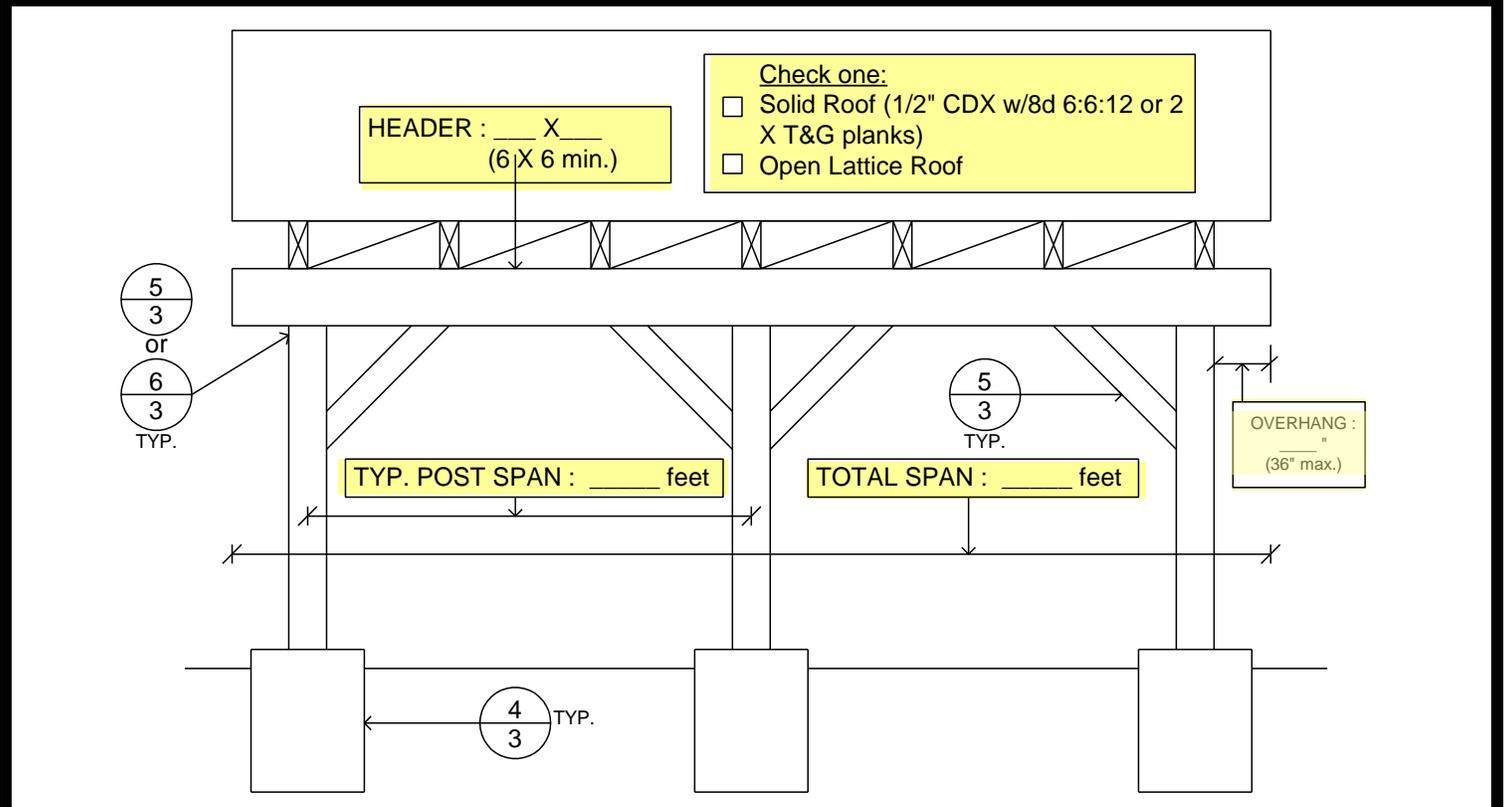
SOLID COVERED PATIO - RAFTER MAX. SPANS (FEET)					
Size	Spacing (inches o.c.)				
	16	24	32	36	48
4X6	15	14	12	11	10
4X8	20	18	16	14	13
4X10	-	-	20	17	15

SOLID COVERED PATIO - HEADER MAX. SPAN (FEET)		
Size	Rafter Span (ft)	
	Up to 10	Up to 20
6X8	14	10
6X10	18	14
6X12	20	16



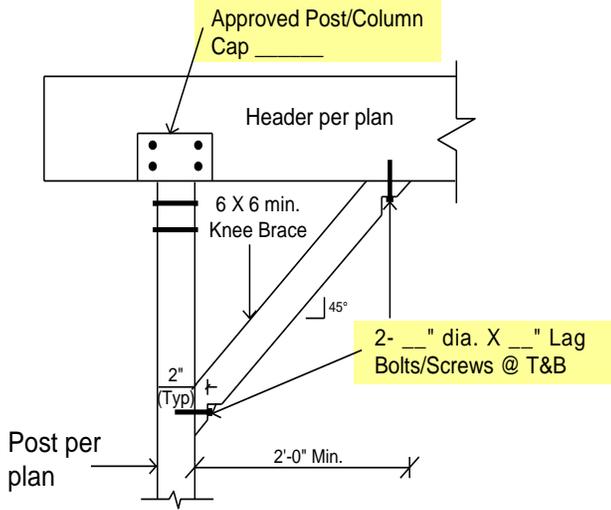
Side Cross-Section Plans

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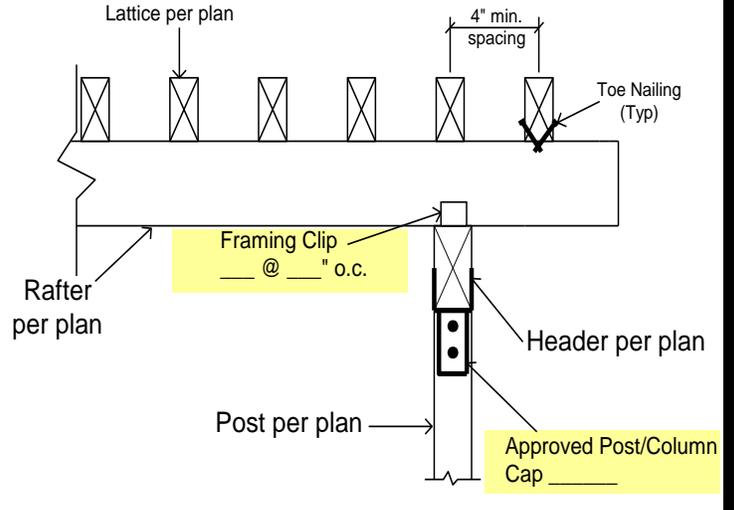
Front Elevation Plan

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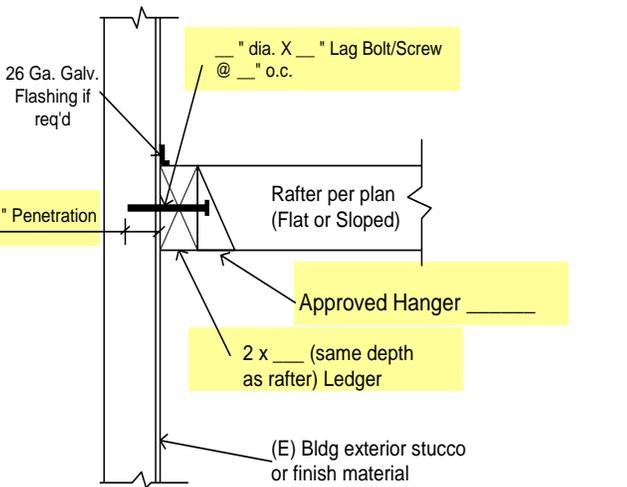
1 KNEE BRACING

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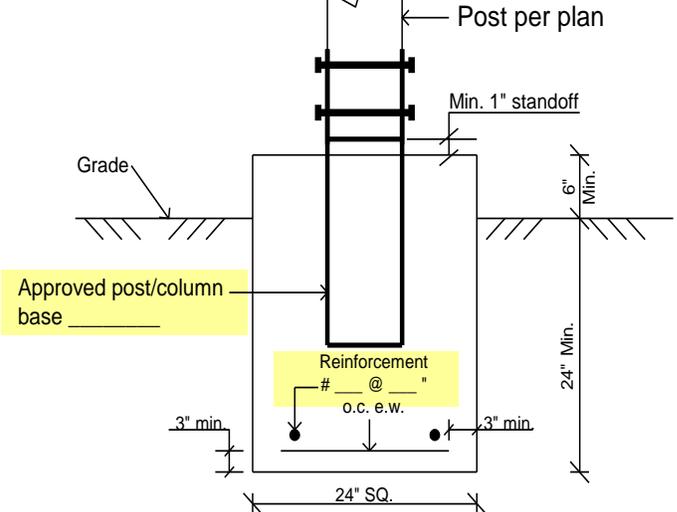
2 LATTICE CONNECTION

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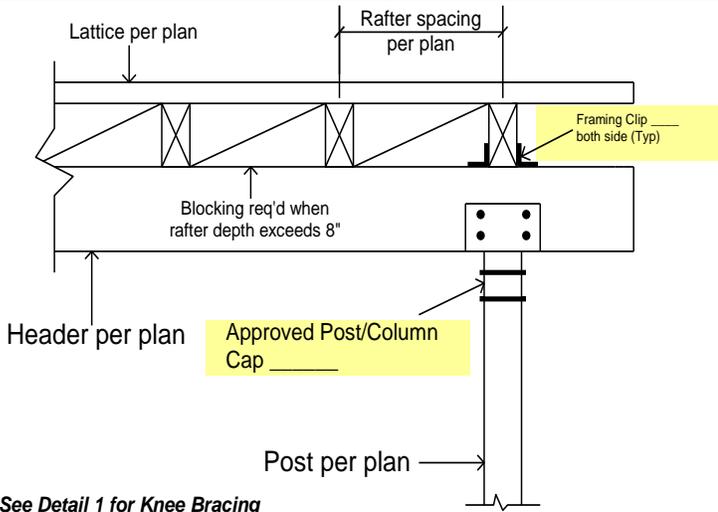
3 CONNECTION TO (E) BUILDING

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4 PAD FOOTING

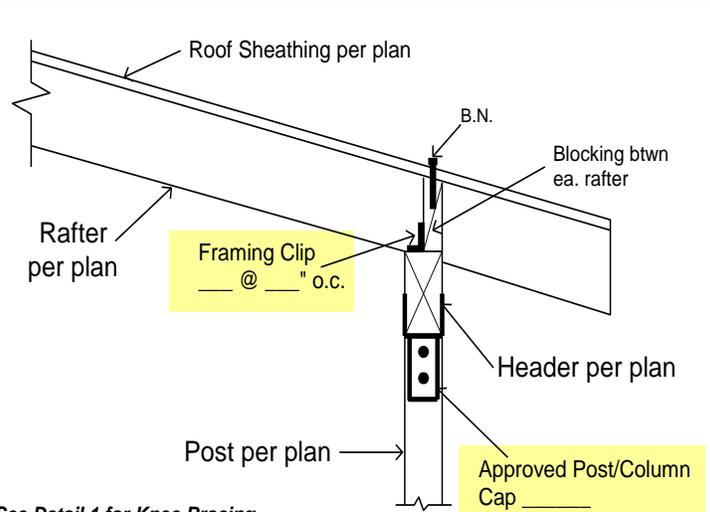
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See Detail 1 for Knee Bracing

5 RAFTER / HEADER (FLAT)

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See Detail 1 for Knee Bracing

6 RAFTER / HEADER (SLOPED)

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