



City of Hesperia
BUILDING AND SAFETY DIVISION

RESIDENTIAL PATIO COVER PLAN

Job Address:	Permit No.:	
Applicant:	Date:	

1) Plot Plan: Attach a completed "Residential Addition/Alteration Plot Plan" form.

2) BEAM/HEADER TABLES (#2 D.F.; no snow or walkable deck loads, assumes 1 ft. overhang)							
Beam Size		Width of Patio					
Span between posts		10 ft	12 ft	14 ft	16 ft	18 ft	20 ft
	4 ft.	4x4	4x4	4x4	4x4	4x4	4x4
	6 ft	4x4	4x6	4x6	4x6	4x6	4x6
	8 ft	4x6	4x6	4x8	4x8	4x10	4x10
	10 ft	4x8	4x8	4x10	4x10	4x10	4x12
	12 ft	4x10	4x10	4x12	4x12	4x12	6x12
PIER SIZE		12x12x12		18x18x12			

3) RAFTERS (#2 D.F.; no snow or walkable deck loads; no ceiling loads)				
Rafter Spans (10#/sf Live Load)				
Size	12" o.c	16" o.c	24" o.c	32" o.c
2x4	9' 0"	8' 2"	7' 2"	6' 0"
2x6	13' 11"	12' 6"	10' 9"	8' 9"
2x8	18' 6"	16' 8"	13' 11"	11' 1"
2x10	23' 6"	20' 6"	16' 10"	13' 6"
2x12	27' 6"*	24' 0"	19' 6"	15' 9"
4x4	11' 10"	10' 9"	9' 4"	8' 6"
4x6	18' 6"	16' 10"	14' 9"	13' 4"

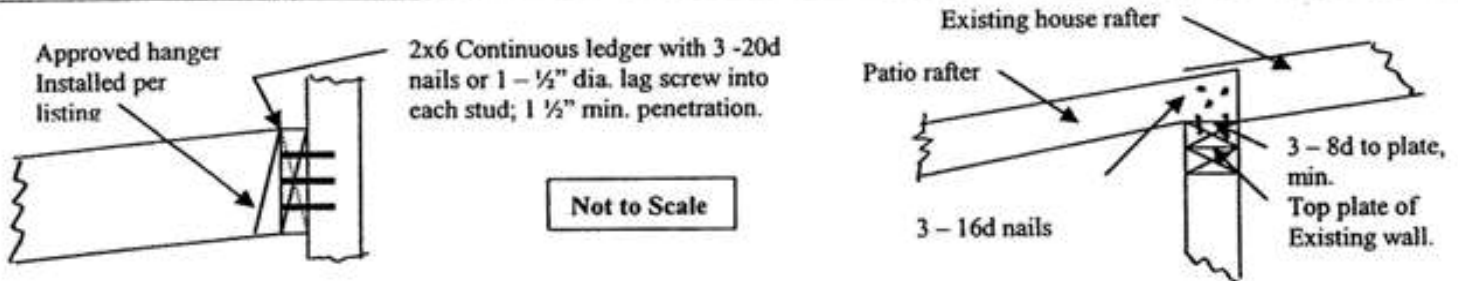
* = Blocking at mid-span of rafters

4) Roof Coverings:	
Type of Roof Covering	Minimum roof slope for type of roof covering
Asphalt shingles	2 inches in 12, with special built up
Tile	2 ½ inches in 12, with special built up
Rock, built up (hot mopped)	¼ inch in 12, for minimum drainage
Rolled composition roofing	¼ inch in 12, for minimum drainage
Metal	¼ inch in 12, for minimum drainage
Lattice	Flat (1/4 inch in 12 recommended for possible change to solid roof covering)

ROOFING NOTES:

- 1) Due to low pitch on most patio covers, asphalt shingles and tile roof coverings cannot be used.
- 2) All roofing materials to be installed as per the manufacturer's specifications.
- 3) Class C minimum.
- 4) Metal roof coverings are to be non-glare; prior approval by Planning required for most applications.

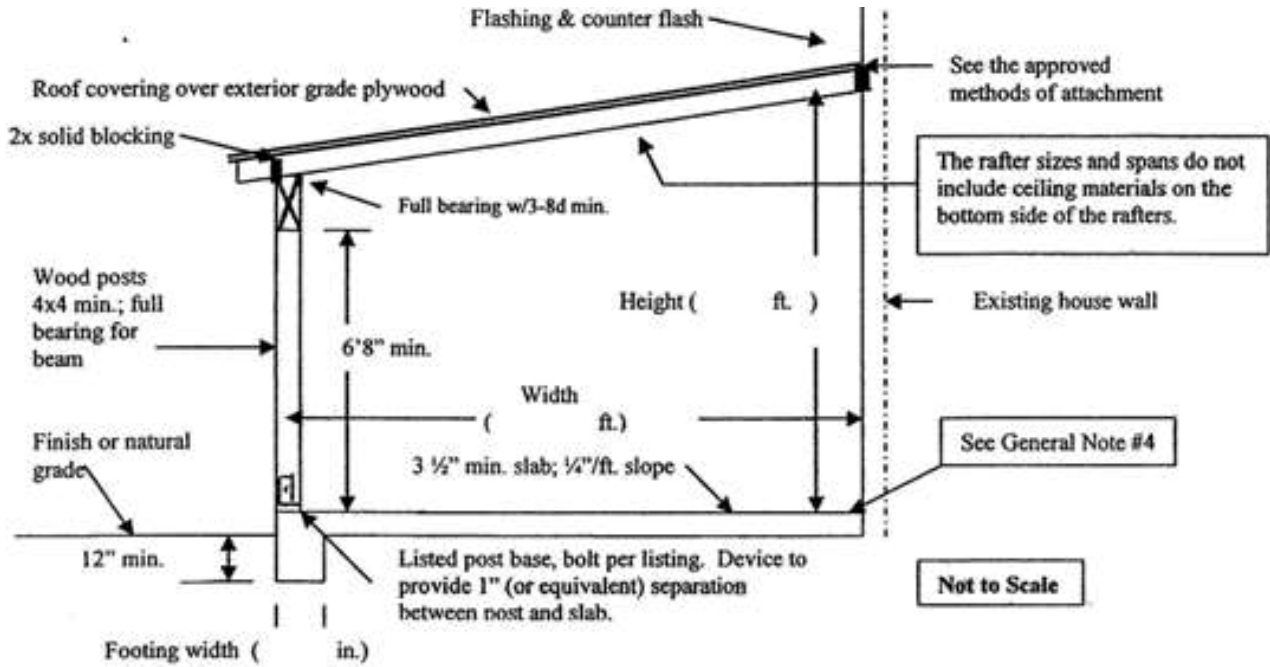
5) Connections to Existing Structure:



NOTE: Connection of the patio rafters to truss tails or fascia attached to trusses is not allowed without the approval of the truss engineer; connection to rafter tails or fascia attached to rafters may require the use of connection hardware not addressed on this plan and may require the attention of an engineer.



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7) ELEVATION (View from the front) Fill in the brackets () with the required information:

