Trellis/Patio Cover Information Handout

The following items and documents are to be provided with a completed permit application.

1. Owner – Builder form, if applicable.

2. 2 plot plans on 8 ½" X 11" showing:
   a. Proposed location of project (hash mark area).
   b. Dimension of post and overhang to property lines.
   c. Provide total dimension of trellis/patio cover.

3. Provide project address and wet signature of responsible person on all plan sheets.

4. Provide grade and species of all wood to be used.

5. Dimension all distances and specify framing sizes.

6. Provide foundation details showing:
   a. Size of footing and connection of post to footing.
   b. If post is to be placed into earth, provide 6" of gravel at post base, embed into concrete 1/3 of the distance above slab. The post must be pressure treated wood.
   c. Note if wood is not pressure treated, it must be placed 1" above concrete.

7. Provide top, side and front elevation views/framing plans.

8. The minimum height of beams above slab shall be 6'-8".

9. Show and specify on plans type of connections of header to post, header to rafters, rafters to ledger, ledger to house.

10. Provide the following: Rafters shall be supported laterally at ends and at each support by solid blocking except where the ends of rafters are face nailed to a header or rim joist.

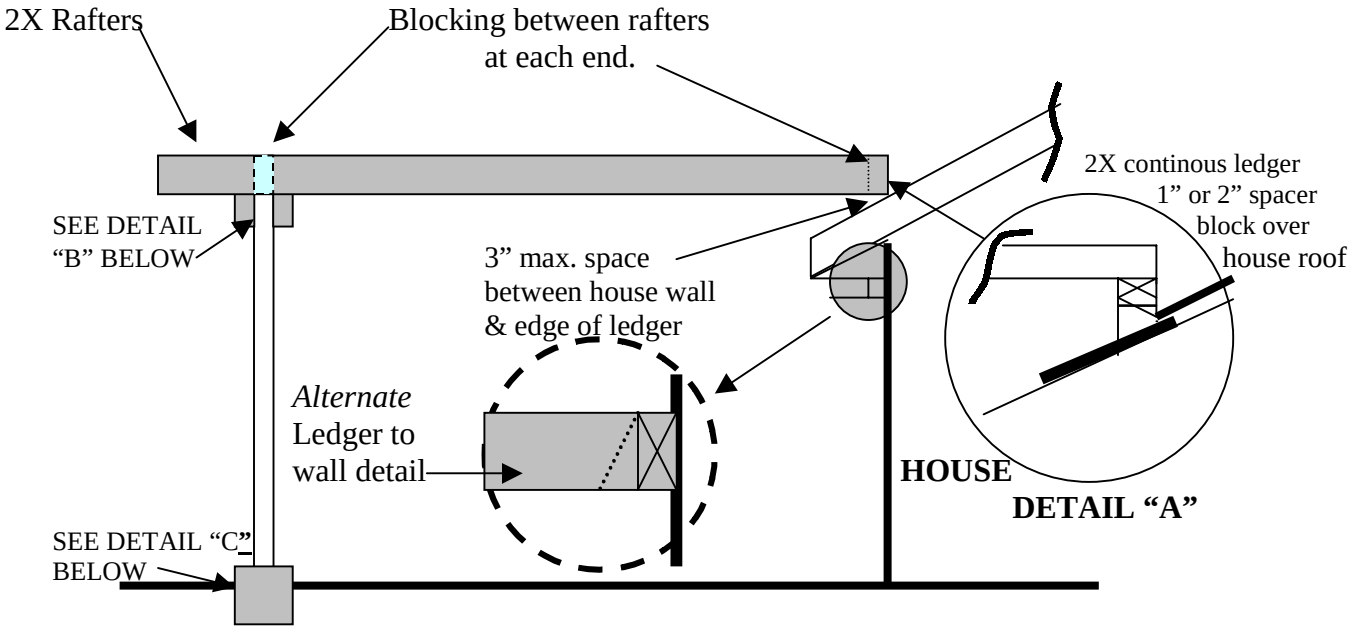
11. Show and specify the spacing and spans of rafters.

12. Show method of providing lateral bracing; i.e. embedded post, knee braces or other approved method of construction.

13. Please check and recheck the required building setbacks. This can be a very costly mistake.

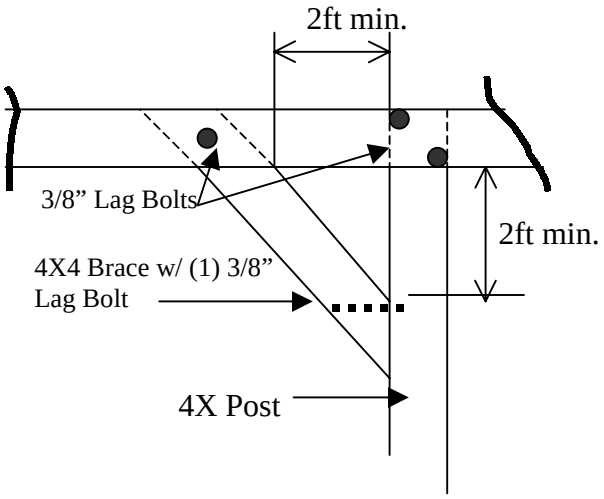
Any Questions? Call the Building Department at (530)757-5610 and ask

Typical Patio Cover

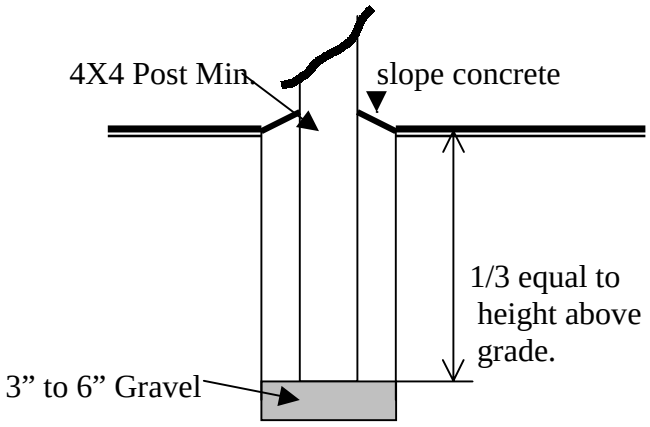


SIDE ELEVATION

Knee Brace Detail "B"



Detail "C" Typical Footing



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Last Rev. 7/23/01

Note: The following tables are a general guide for trellis construction, other designs will be acceptable when submitted with structural calculation.

BEAM SIZES*							
BEAM SPAN ↓	RAFTER LENGTH (FT) →						
	8’	10’	12’	14’	16’	18’	20’
6’	4X4	4X4	4X6	4X6	4X6	4X6	4X6
8’	4X6	4X6	4X6	4X6	4X8	4X8	4X8
10’	4X6	4X8	4X8	4X8	4X8	4X10	4X10
12’	4X6	*4X8*	4X8	4X10	4X10	4X12	4X12
14’	4X8	4X10	4X10	4X12	4X12	4X12	4X12
16’	4X10	4X10	4X12	4X12	4X14	4X14	4X14

*BEAM SIZE, a double 2X around a 4X post is acceptable as a 4X beam

To calculate a beam: (1) find rafter length from house to beam (2) look at beam span in feet to determine beam size.
Example: 1.) rafter length 10’ 2.) beam span 12’ equals 4X8 beam

RAFTER SIZES		
NOMINAL SIZE	SPACING C TO C	MAX.SPAN FT. & IN.
2X4	24” 16”	7’ – 0” 8’– 0”
2X6	24” 16”	12’- 0” 14’- 0”
2X8	24” 16”	16’- 0” 19”- 0”
2X10	24” 16”	20’- 0” 24”- 0”

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