



**City of Galt**  
**BUILDING DEPARTMENT**

495 Industrial Drive  
Galt, California 95632  
Telephone: (209) 366-7200  
Website: [www.cityofgalt.org](http://www.cityofgalt.org)  
Email: [Buildingdivision@cityofgalt.org](mailto:Buildingdivision@cityofgalt.org)

## TRELLIS/PATIO COVER INFORMATION

Provide the following items and documents 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.
  - b. Setback dimension of post and overhang to property lines.
  - c. Dimensions of trellis/patio cover.
3. Provide project address and wet signature of person responsible for design on all plan sheets.
4. Provide grade, species, and size of all wood framing members.
5. Provide foundation details showing:
  - a. Size of footing and connection of post to footing.
  - b. If post will be placed into earth, provide 6" of gravel at post base. **The post must be pressure treated wood.**
  - c. Non pressure treated posts must be supported by pier or metal pedestal at least 1" above slab.
6. The minimum height of beams above slab shall be 6'-8".
7. Show and specify on plans all connections including header to post, header to rafters, rafters to ledger, ledger to house.
8. 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.
9. Show and specify the spacing and spans of rafters.
10. Show method of providing lateral bracing; i.e. embedded post, knee braces or other approved method.

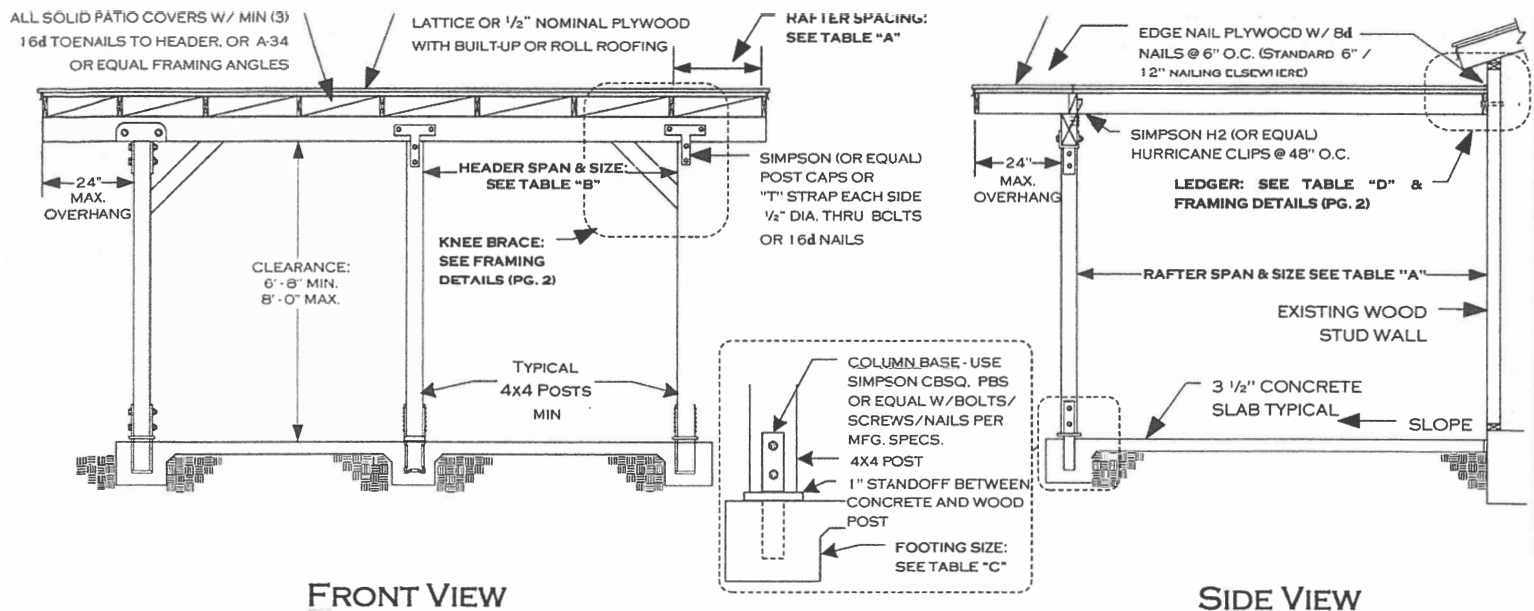


TABLE "A" RAFTER SPANS (DOUGLAS FIR #2 OR BETTER)			TABLE "B" HEADER SIZE & SPANS (DOUGLAS FIR #2 OR BETTER)			TABLE "C" FOOTING SIZE	TABLE "D" LEDGER BOLTING <sup>Δ</sup>
SIZE	SPACING	SPAN	RAFTER SPAN	HEADER		BASED ON 1000 P.S.F. SOIL BEARING PRESSURE.	ALL LAG BOLTS SHALL HAVE 1/4" PRE-DRILLED HOLES - (SEE NOTE 2)
				SPAN	SIZE		
2 x 4	12" O.C.	9' - 10"	UP TO 12'-0"	8'-0" MAX	4 x 6	18" SQ. X 12" DEEP	1/2" DIA. X 5" LONG AT 16" O.C. STAGGERED
	16" O.C.	8' - 11"		10'-0" MAX	4 x 8	18" SQ. X 12" DEEP	
	24" O.C.	7' - 8"		12'-0" MAX	4 x 10	18" SQ. X 12" DEEP	
				14'-0" MAX	4 x 12	18" SQ. X 12" DEEP	
2 x 6	12" O.C.	16' - 10"	12'-1" TO 20'-0"	8'-0" MAX	4 x 8	24" SQ. X 12" DEEP	(2) 3/8" DIA X 5" LONG AT 16" O.C.
	16" O.C.	14' - 7"		10'-0" MAX	4 x 10	24" SQ. X 12" DEEP	
	24" O.C.	11' - 11"		12'-0" MAX	4 x 12	24" SQ. X 12" DEEP	
				14'-0" MAX	4 x 14	24" SQ. X 12" DEEP	
2 x 8	12" O.C.	21' - 4"					
	16" O.C.	18' - 5"					
	24" O.C.	15' - 1"					
	32" O.C.						
2 x 10	12" O.C.	26' - 0"					
	16" O.C.	22' - 6"					
	24" O.C.	18' - 5"					
	32" O.C.						
4 x 4	24" O.C.	10' - 0"					
	32" O.C.	*9' - 3"					
	48" O.C.	*7' - 8"					
4 x 6	24" O.C.	15' 11"					
	32" O.C.	*13' - 9"					
	48" O.C.	*11' - 3"					
4 x 8	24" O.C.	20' - 0"					
	32" O.C.	*18' - 2"					
	48" O.C.	*14' - 10"					

#### NOTES:

- TWO 2X MEMBERS MAY BE SUBSTITUTED FOR ONE 4X HORIZONTAL FRAMING MEMBER.
- LAG BOLTS MUST FULLY ENGAGE A WOOD STUD OR RIM JOIST AND BE PROVIDED WITH APPROPRIATE WASHERS. LAG BOLTS SHALL BE LOCATED A MINIMUM OF 1-1/2" FROM THE TOP OR BOTTOM OF THE LEDGER.
- NOT DESIGNED TO BE ENCLOSED - ADDITIONAL ENGINEERING ANALYSIS WILL BE REQUIRED IF ENCLOSED.
- SEE PAGE 2 OF 2 FOR CONSTRUCTION DETAILS.
- ARTIFICIAL LIGHTING IS REQUIRED IN ROOMS THAT HAVE WINDOW OPENINGS INTO THE COVERED PATIO AREA IF THE TOTAL WINDOW AREA IN THAT ROOM IS LESS THAN 10% OR THE FLOOR AREA OF THE ROOM OR 20 SQUARE FEET, WHICHEVER IS GREATER. <sup>Δ</sup>

#### DISCLAIMER:

ALTERNATE PATIO DESIGNS MAY BE POSSIBLE WHEN PROVIDED WITH AN ENGINEERED ANALYSIS. USE OF THIS CONVENTIONAL STANDARD DESIGN IS AT THE USER'S RISK AND CARRIES NO IMPLIED OR INFERRED GUARANTEE AGAINST FAILURE OR DEFECTS.

\* THIS SPACING AND SPAN IS FOR LATTICE PATIO COVERINGS ONLY.



## CITY OF GALT BUILDING DEPARTMENT PATIO COVER STANDARD

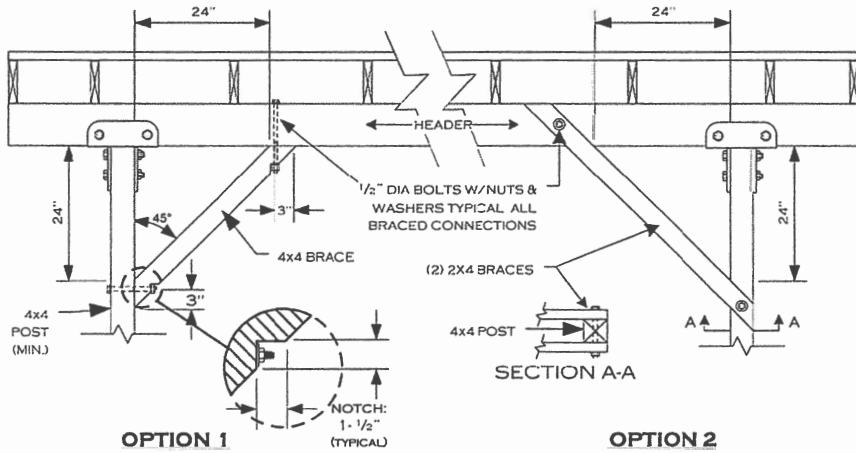
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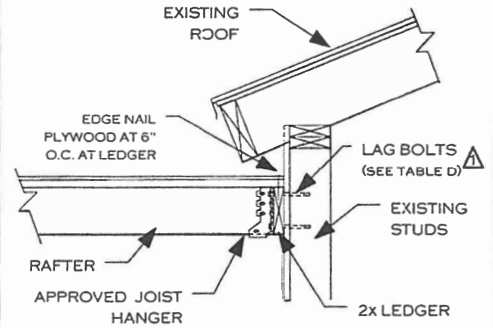
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## KNEE BRACE DETAIL AT END POSTS (REQUIRED WHEN RAFTER SPAN EXCEEDS 12 FT.)



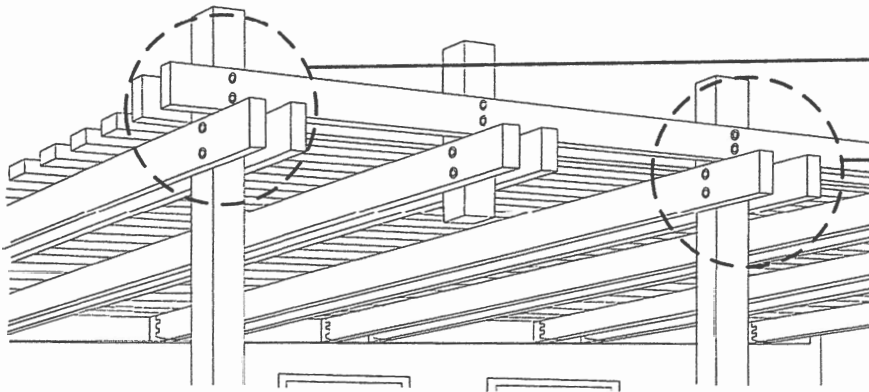
## LEDGER ATTACHMENT DETAIL



### NOTES:

1. USE A CONTINUOUS 2X LEDGER - SAME DEPTH AS RAFTER OR LARGER
2. SEE TABLE "D" FOR BOLTING REQUIREMENTS

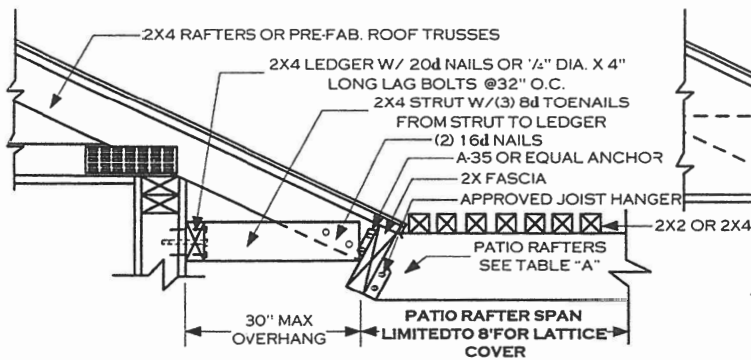
## INVERTED HEADER DESIGN OPTION (LATTICE ONLY)



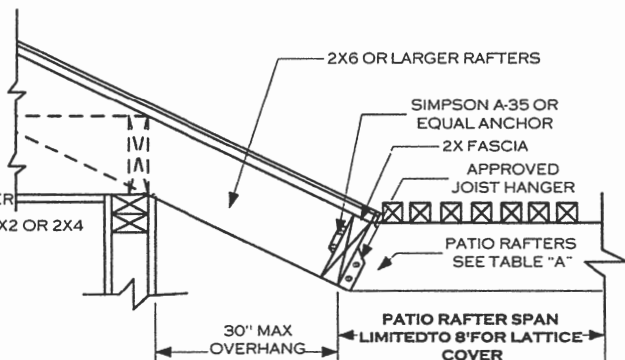
NOTE: KNEE BRACING REQUIRED WHEN RAFTER SPAN EXCEEDS 12 FEET

## 2X FASCIA (OVERHANG) ATTACHMENT - LATTICE ONLY

### OPTION 1



### OPTION 2



NOTE: VERIFY STRUCTURAL SOUNDNESS OF ROOF RAFTERS FOR DECAY OR TERMITE DAMAGE, AND REPLACE WITH LIKE MATERIALS AS NEEDED, AFTER CONSULTATION WITH THE BUILDING DEPARTMENT.



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### Residential Attached Patio Cover Illustration (Example only)

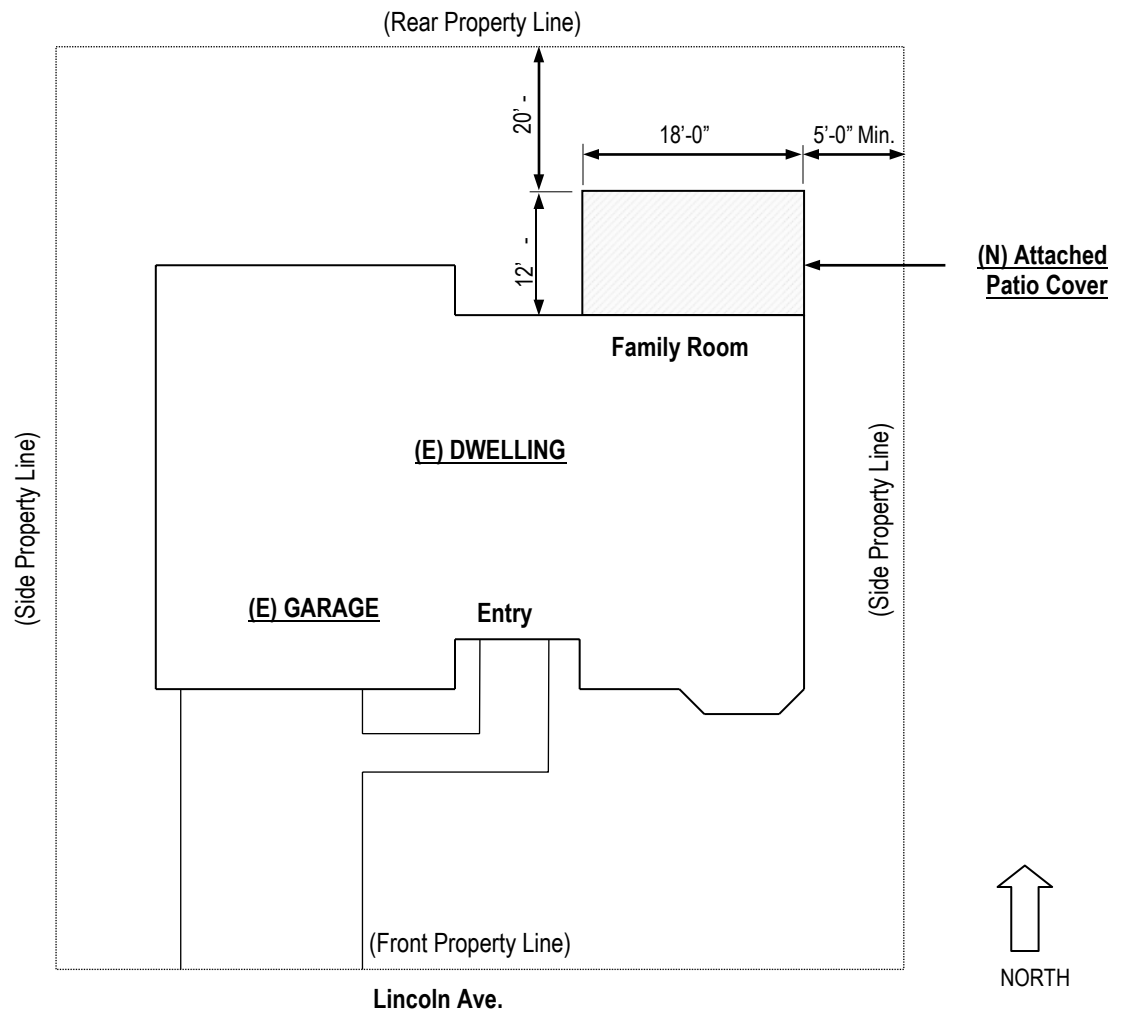
#### Purpose

The sample illustrations show how an **attached** unenclosed patio structure may be built using conventional light wood-frame construction guidelines. The conventional method allows “repetitive” members in the designs of walls, floors and ceiling; they are prescriptive and do not

ordinarily require a structural design to comply with the code. For information regarding plan submittals and specific design limitations for residential patio covers refer to handout on “Plan Submittal for Detached and Attached Accessory Structures”.

#### Patio Cover Limitations

The following patio cover illustrations are only applicable in residential dwellings classified as R-3 Occupancies. Patio covers are **not** designed or intended to be used as room additions which require compliance with code provisions such as heating, waterproofing, and normal live and wind loads. Furthermore, patio covers cannot always be converted to complying room additions.



Mr. & Mrs. Smith  
Ph: (209) 123-4567  
135 Lincoln Ave.  
Galt, CA  
A.P.N. 150-1000-001  
New 12'x18' Patio Cover

**SITE PLAN**  
SCALE: 1" = 20'-0"