Community Development Dept., Building and Safety, 6650 Beach Blvd., B.P. 90620

PATIO COVER REQUIREMENTS

DEFINITION:

Patio covers are one story structures not exceeding 12 feet in height. May be detached or attached to another building. Patio cover shall be used only for recreational, outdoor living purposes and NOT as a carport, garage, storage room or habitable room.

Patio covers may be enclosed, provided the long wall and one additional wall is at least 65% open to 6'-8" high.

> EXAMPLE:
> Wall 20' X 6.67 = 133.4 total area below 6'-8"
> 133.4 X 65% = 86.71 sq. ft. open area required on the 20 ft. wall.

This open portion may be enclosed with insect screening or plastic panels up to 1/8" thick which shall be readily removable (without tools.)

Windows for light and ventilation of the house may open into an enclosed patio, EXCEPT an egress window from a bedroom which must open DIRECTLY into an open yard.
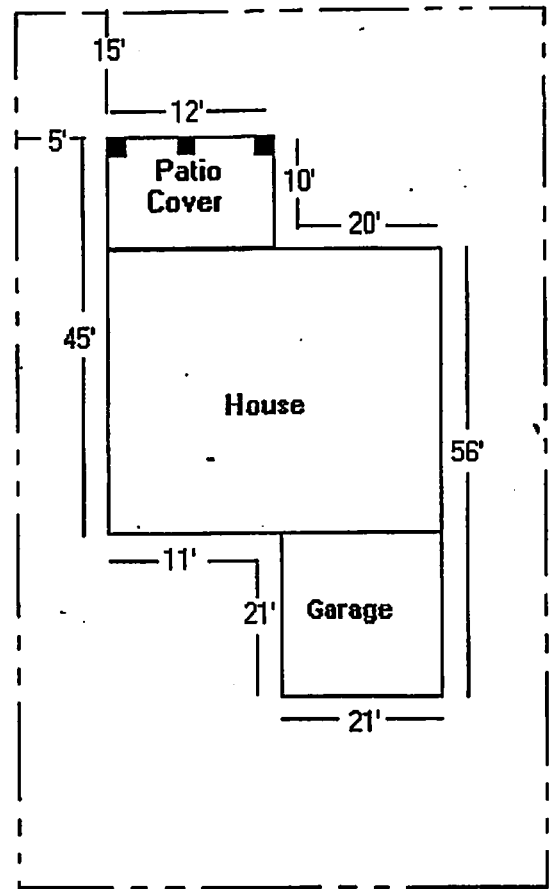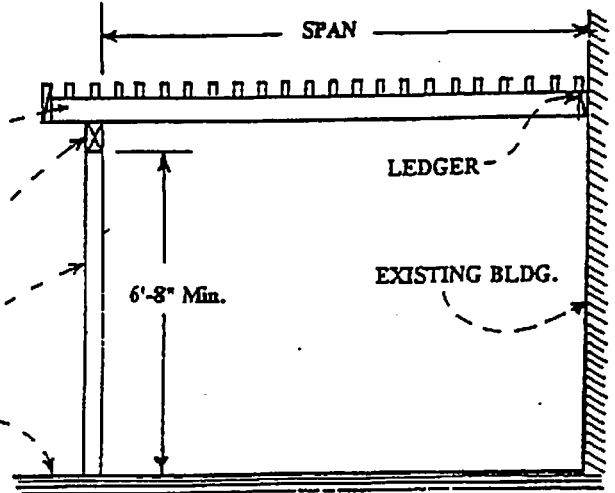
SAMPLE PLOT PLAN
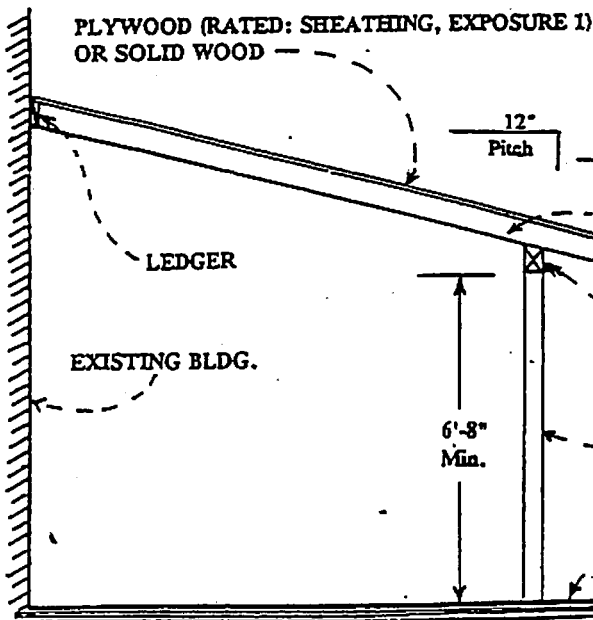
PITCHED SOLID ROOF
1. Minimum pitch: 1/4" per foot.
2. Roll roofing if less that 2:12 pitch.
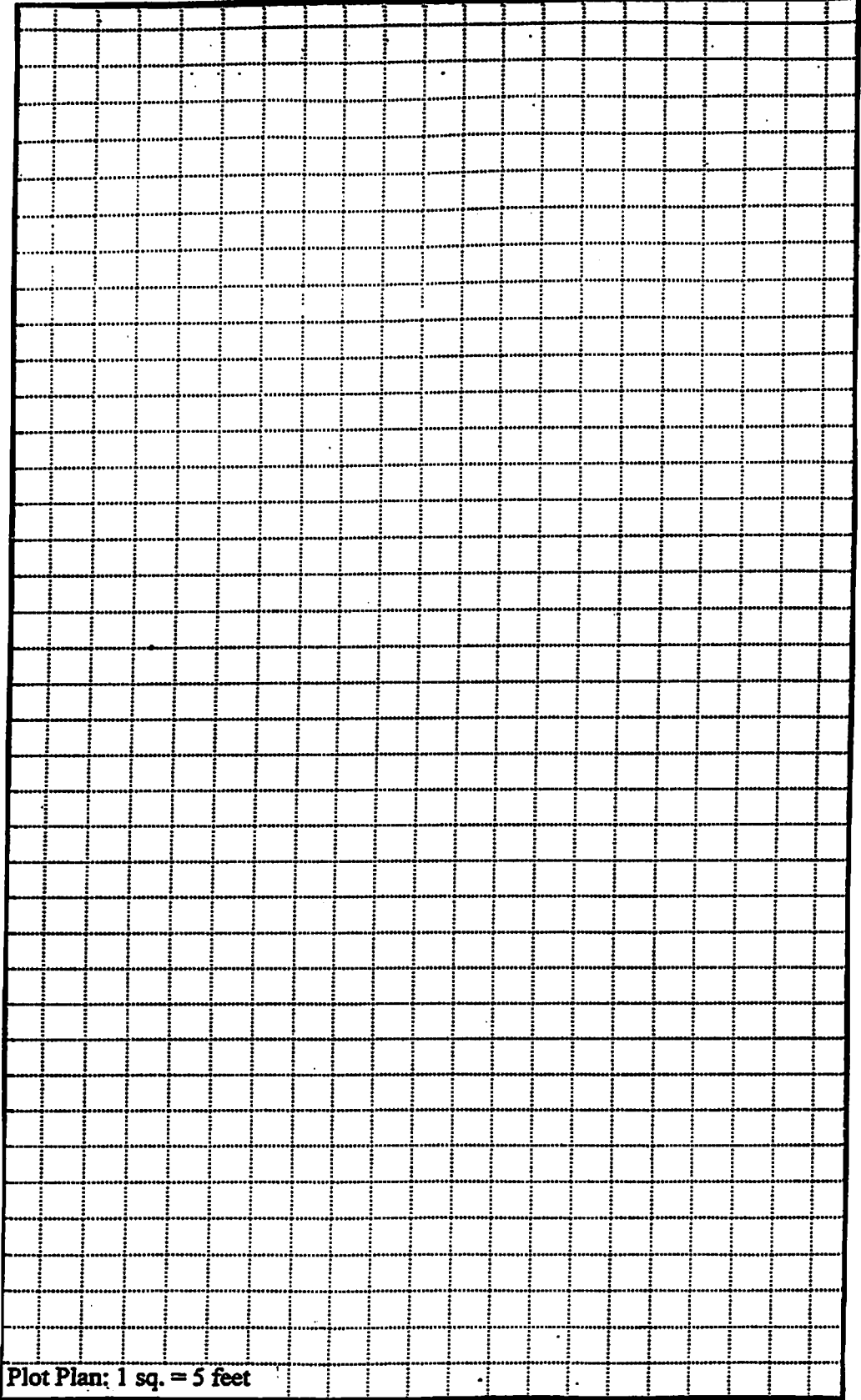3. Asphalt shingles, 2:12 to 4:12 pitch: use 2 layers of felt - 18" lap, Type 15 minimum.

FLAT ROOF - OPEN LATTICE (2x on edge)
2 x 2 Lattice - maximum spacing of rafters is 4 ft.
2 x 3 Lattice - maximum spacing of rafters is 5 ft.
2 x 4 Lattice - maximum spacing of rafters is 6 ft.
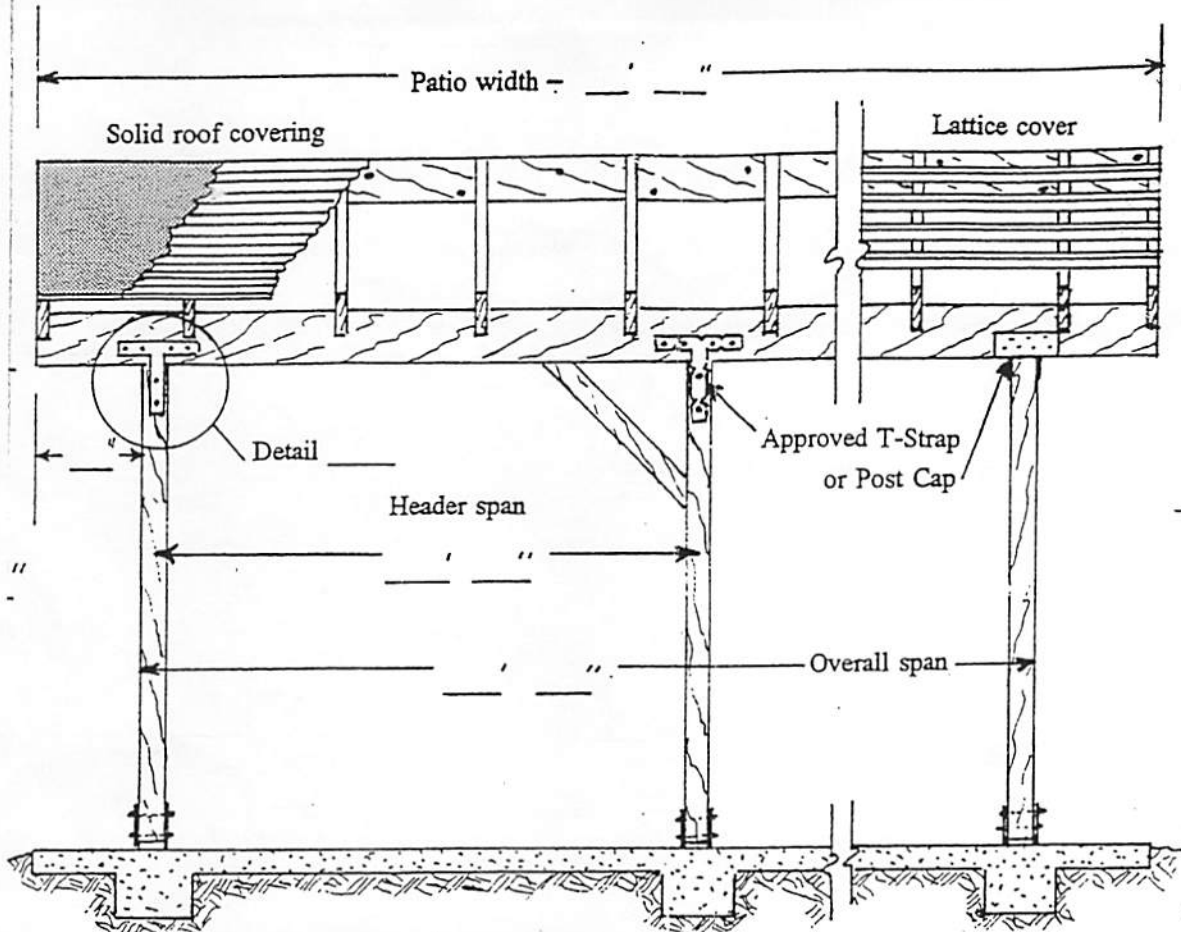Diagonal lattice panels - Rafters 2' max. on center.

Plot Plan: 1 sq. = 5 feet

PROPERTY OWNER:

ADDRESS:

Phone: **Date:**

_____ SQUARE FOOT PATIO COVER

Patio width – ___' ___"

Solid roof covering

Lattice cover

Detail ___

___"

Approved T-Strap
or Post Cap

Header span
___' ___"

___"

Overall span
___' ___"

FRONT VIEW ELEVATION

Patio depth – ___' ___"

12"
——— ___"
Pitch

Overhang
___"

Detail ___
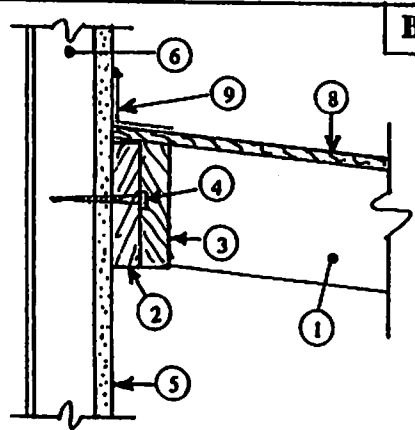
Rafter span
___' ___"

Detail ___

12"
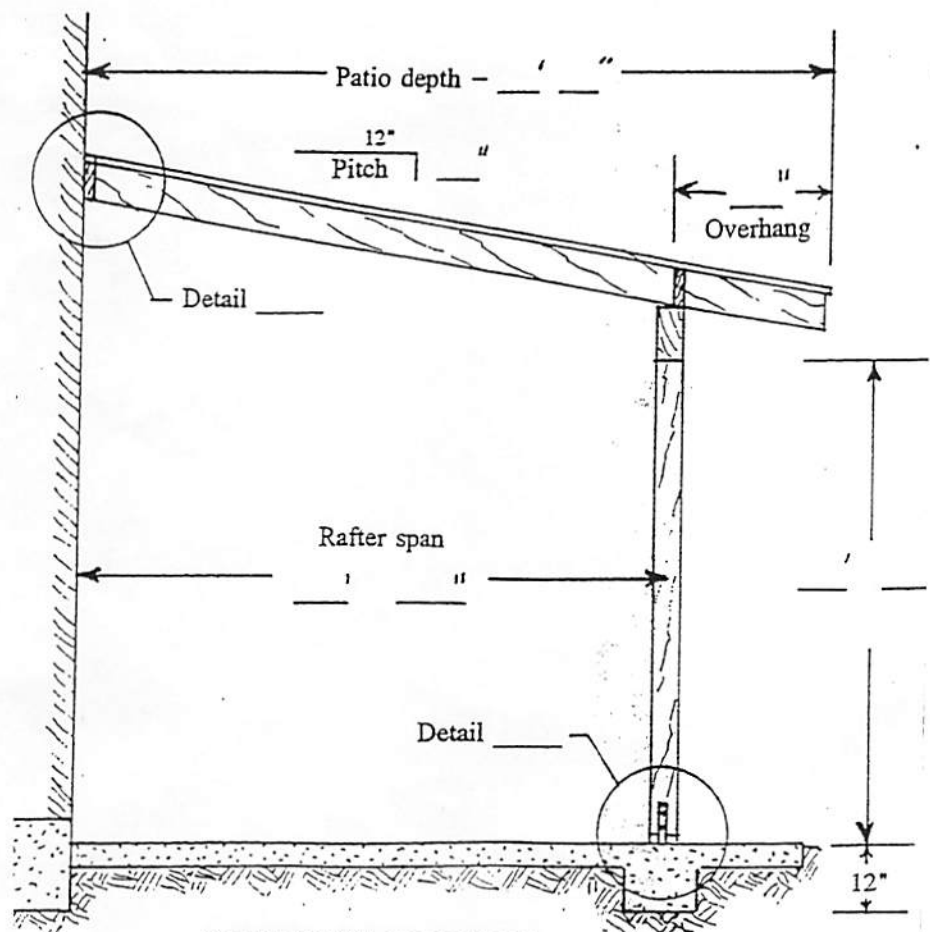
SIDE VIEW SECTION
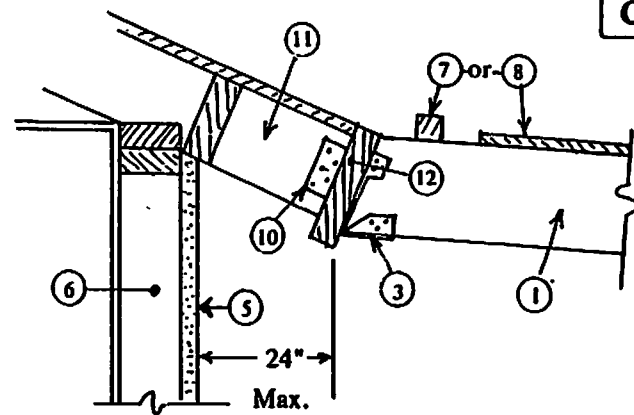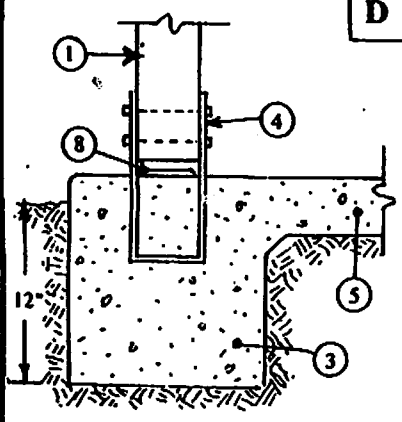
PATIO RAFTERS TO BUILDING
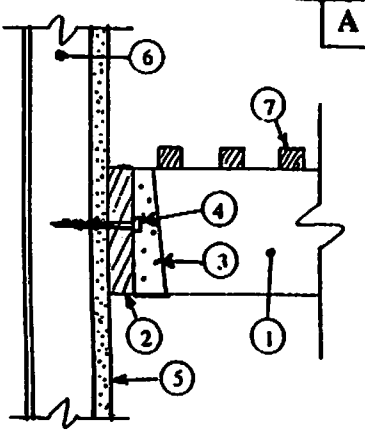
A

B

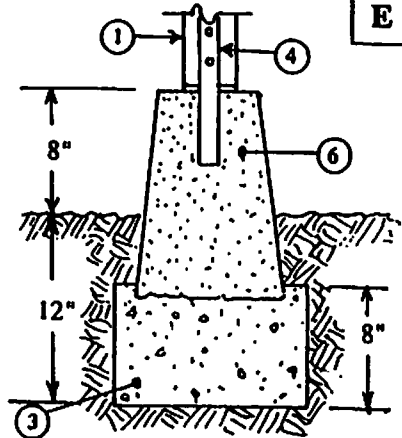## PATIO RAFTERS TO FACIA

C

24" Max.

1. Patio rafter.
2. Ledger - same size as rafter.
3. Joist hanger or solid blocking.
4. 3/8" X 5" lag screw - 16" on center.
5. Extertior stucco.
6. House studs.
7. 2 X lattice.
8. Plywood or solid boards.
9. Flashing (optional).
10. A-35 anchors - one each side.
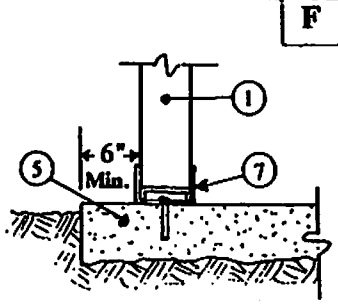11. House rafter tail.
12. Facia - minimum 2 X.

POST TO FOOTING

D

12"

POST TO EARTH

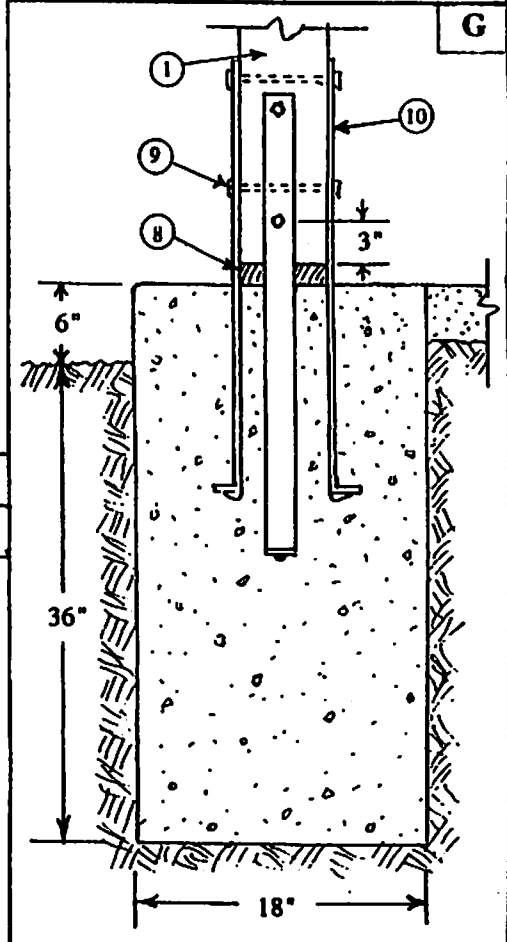**E**

8"

12"

8"

POST TO EXIST'G SLAB

F

6" Min.

Only if total load is less than 750 pounds.

1. Post - 4 X 4 min.
2. Header.
3. Footing.
4. Post base.
5. Patio slab - 3 1/2" min.
6. Pre-cast pier.
7. Adjustable post base.
8. 1" spacer or treated lumber.
9. 1/2" bolts (4).
10. PA 28 on each side (4).

FREE STANDING PATIO

G

3"

6"

36"

18"

HEADER TO POST

H

T - Strap

Post Cap
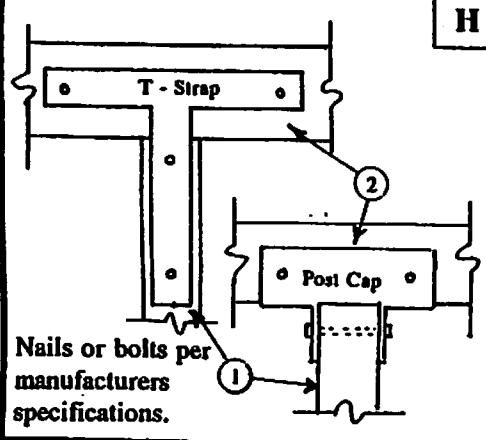
Nails or bolts per manufacturers specifications.

DBL. BEAMS TO POST

J

1/2" Bolts (2 ea.)

DIAGONAL BRACE

I

May be used in lieu of free standing footing.

4 X brace   1X brace

2 Lag Screws each end.

24" min.

4 - 10d nails
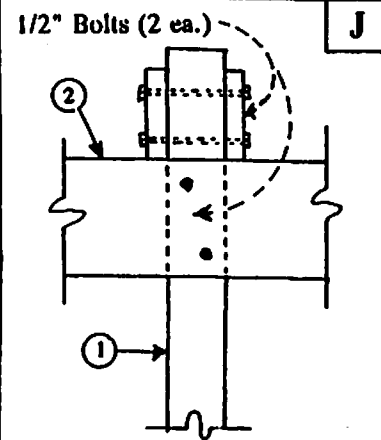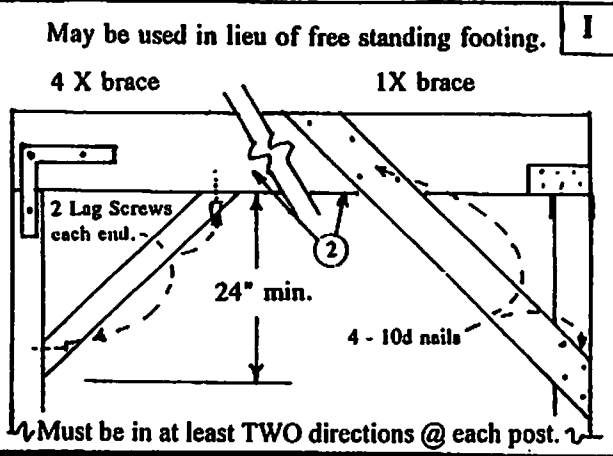
Must be in at least TWO directions @ each post.

RAFTER SPAN: #2 Douglas Fir
Lattice or solid roof.

Rafter Size	Rafter Spacing			
	12" o.c.	16" o.c.	24" o.c.	32" o.c.
2 x 4	13' - 0"	11' - 6"	9' - 6"	8' - 0"
2 x 6	19' - 0"	17' - 0"	13' - -9"	12' - 0"
2 x 8	20' - 0"	20' - 0"	17' - 6"	15' - 3"
2 x 10	20' - 0"	20' - 0"	20' - 0"	18' - 6"
2 x 12	20' - 0"	20' - 0"	20' - 0"	20' - 0"

Footings:	_____ inches square x 12 inches deep
Posts:	_____ " x _____ "
Headers:	_____ " x _____ " (or) two _____ " x _____ "
Rafters:	_____ " x _____ " spaced _____ " on center OR Two _____ " x _____ " spaced _____ " on center
Solid Roof:	___/___ " Rated plywood sheathing with ext. glue _____ " x _____ solid wood sheathing With _____ roof covering
Lattice Cover:	_____ " x _____ " spaced _____ " on center

Max. span of rafter with a 2' overhang	MAXIMUM HEADER SPAN AND FOOTING SIZE								
	dbl 2x4	dbl 2x6	dbl 2x8	dbl 2x10		dbl 2x12		dbl 2x14	
	4x4 #2	4x6 #2	4x8 #2	4x10 #2	6x8 #1	4x12 #2	6x10 #1	4x14 #2	6x12 #1
Up to 8 ft.	7'-0" 7'-9"[1]	10'-6" 11'-3"	13'-3" 15'-0"	16'-3" 18'6"[2]	20'-0"[2]	19'-0" 20'-0"[3]	20'-0"[3]	20'-0" 20'-0"[3]	20'-0"[3]
Up to 14 ft.	5'-9" 6'-3"	8'-6" 9'-3"	10'-9" 12'-3"[2]	13'-3" 15'-0"[2]	17'-3"[3]	15'-6" 17'-6"[3]	20'-0"[3]	17'-3" 19'-9"[3]	20'-0"[3]
Up to 20 ft.	5'-0" 5'-6"	7'-3" 8'-0"[2]	9'-3" 10'-6"[2]	11'-6" 13'-0"[3]	15'-0"[3]	13'-3" 15'-0"[3]	19'-0"[3]	15'-0" 17'-0"[3]	20'-0"[3]

SIZE OF FOOTING: 12 inches square and 12 inches deep unless otherwise noted per footnotes:
1. May set on existing 3 1/2" slab.   2. 18" square - 12 inches deep.   3. 21 inches square - 12 inches deep.