

# RESIDENTIAL DECK DRAWINGS

## GENERAL NOTES

1. All wood shall be pressure treated for exterior use. Metal fasteners and hangers shall be G185 galvanized or otherwise compatible with the wood treatment. All bolts shall be 1/2" diameter minimum, and staggered.
2. All lumber shall be SYP #2 or better.
3. All beam and guardrail splices shall occur at or above a post.
4. All footings shall be cast-in-place concrete with at least 3,000 psi compressive strength.
5. Guards are required wherever the deck is greater than 30" above grade.
6. Guardrails shall be 36" tall, minimum, and shall not allow a 4" dia sphere to pass.
7. Guard posts shall not exceed 6'.
8. Handrails shall be 34"-38" above the nosing and the shall terminate in a post or wall.
9. Stair risers shall not permit a 4" sphere to pass.
10. Stair tread nosings must be 3/4" min or 1 1/4" max. All treads and risers shall be equal.
11. The deck floor shall be 8.25" max step down from the door threshold
12. Design Loads:  
Live Load: 40 lb/SF  
Wind Speed: 90 MPH  
Soil Bearing: 1,500 PSI
13. Guard top rails shall withstand a 200lb point load in any direction.
14. All exterior stairs and landings shall be illuminated.
15. This deck is not designed to hold a hot tub.
16. All separated beams of a box-type design shall have solid blocking at 24" maximum.
17. The actual construction shall match the approved plans. All field changes require an Engineering Change or approval of a new permit.

## Framing/Footing Table

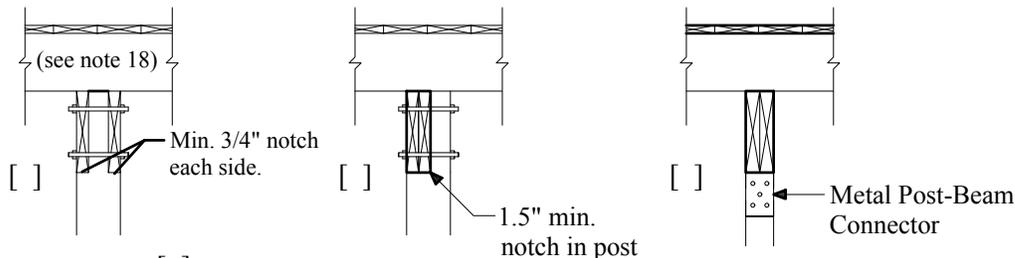
Choose one floor joist size then choose one floor beam size. Entire row applies.

Floor Joists		Floor Beams			Footing Size		Ledger Bolt
Max. Span	Lumber Size	Choose One Row	Max. Span	Lumber Size	Single-Span Joists	Multi-Span Joists	Spacing
(feet)	(circle one)		(feet)	(nominal)	min. dia. (inches)	min. dia. (inches)	1/2" dia bolts (inches)
8	2 x 6	[ ]	5	(2) 2 x 6	12	15	24
		[ ]	7	(2) 2 x 8	13	19	24
		[ ]	9	(2) 2 x 10	15	23	24
		[ ]	10	(2) 2 x 12	17	24	24
10	2 x 8	[ ]	7	(2) 2 x 8	14	20	16
		[ ]	9	(2) 2 x 10	17	24	16
		[ ]	10	(2) 2 x 12	18	25	16
14	2 x 10	[ ]	8	(2) 2 x 10	17	24	16
		[ ]	9	(2) 2 x 12	18	26	16
16	2 x 12	[ ]	8	(2) 2 x 12	20	28	12

All joists are spaced a maximum of 16" oc.

## Beam to Post Connection Options

Choose one beam to post connection option.



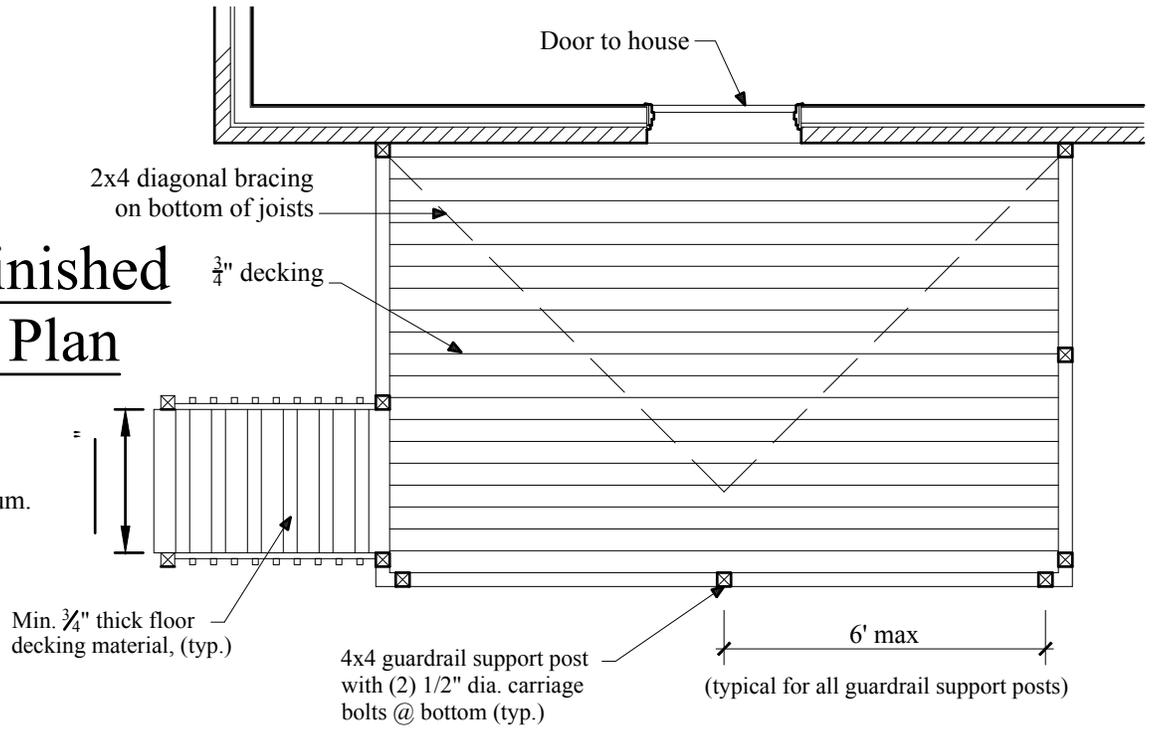
- [ ] 4x4 posts (up to 8')
- [ ] 4x6 posts (up to 10')
- [ ] 6x6 posts req'd over 10')

Choose a post size based on height

Application No:
Sheet No: <b>1</b>
of:

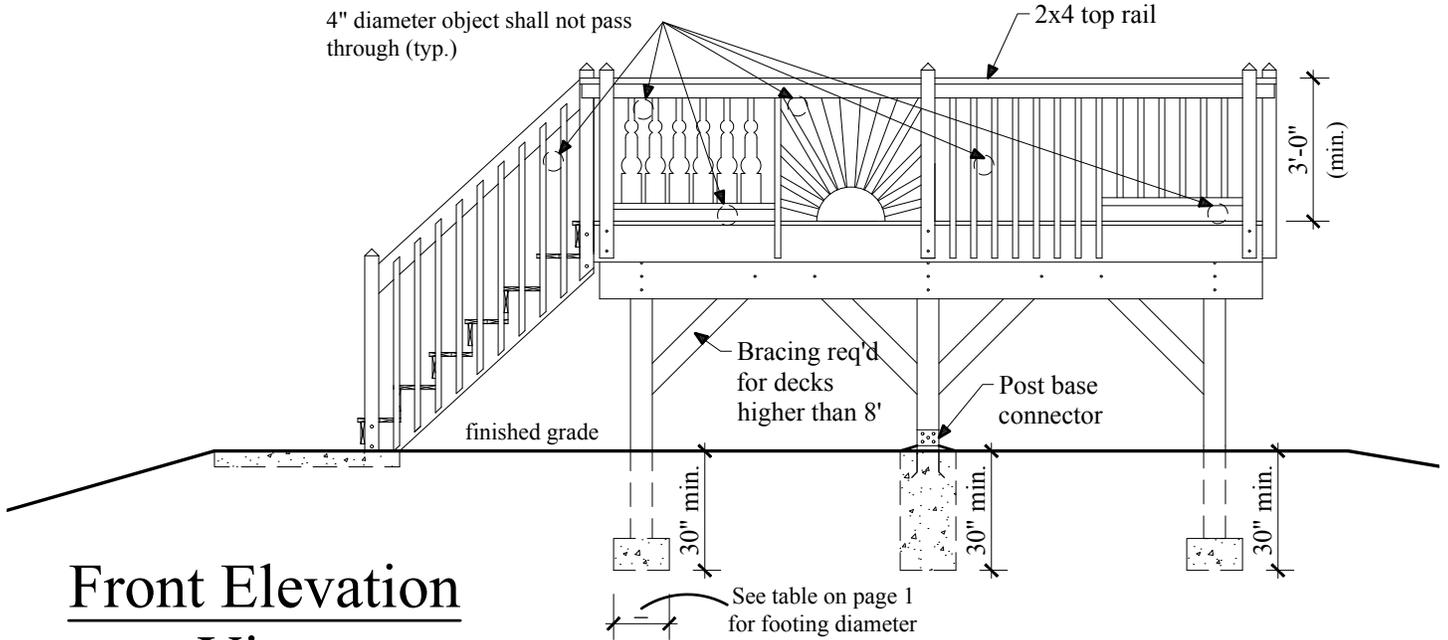
# Deck Finished Floor Plan

Indicate the stair width, 36" minimum.



4" diameter object shall not pass through (typ.)

2x4 top rail

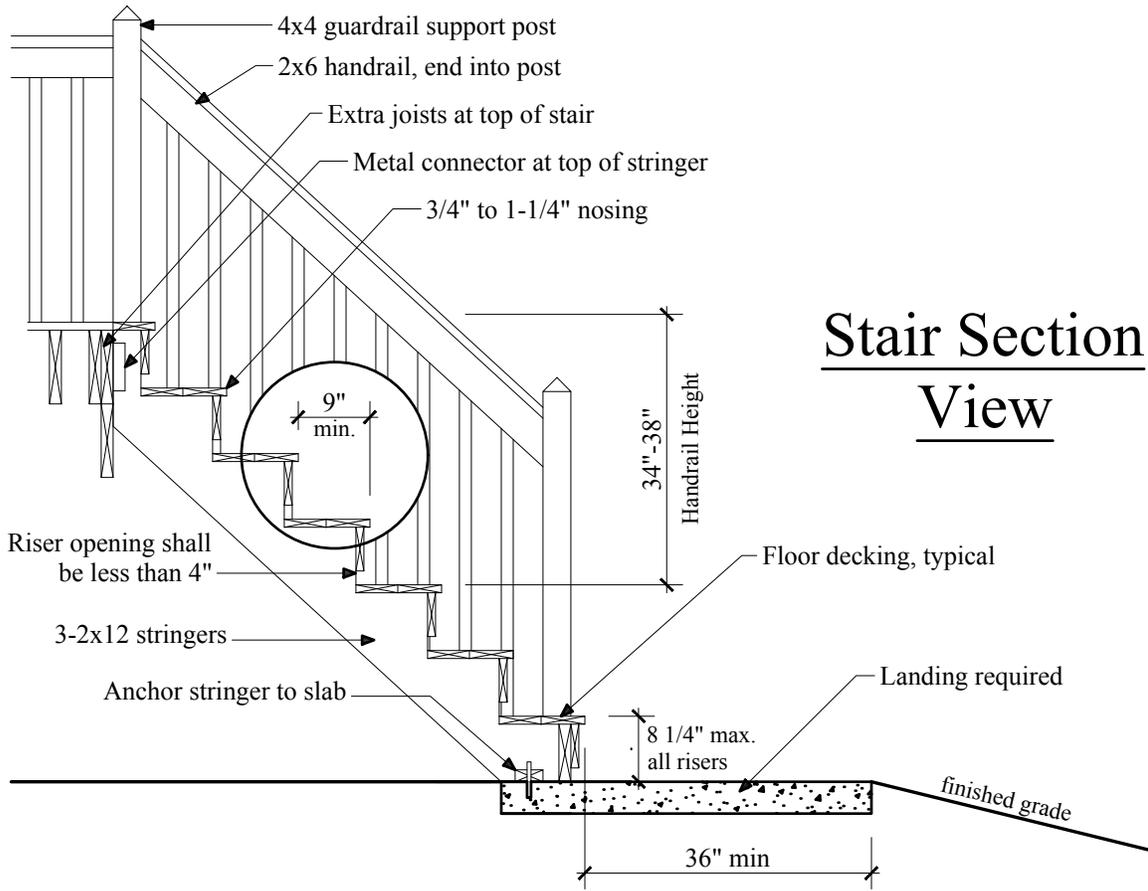


# Front Elevation View

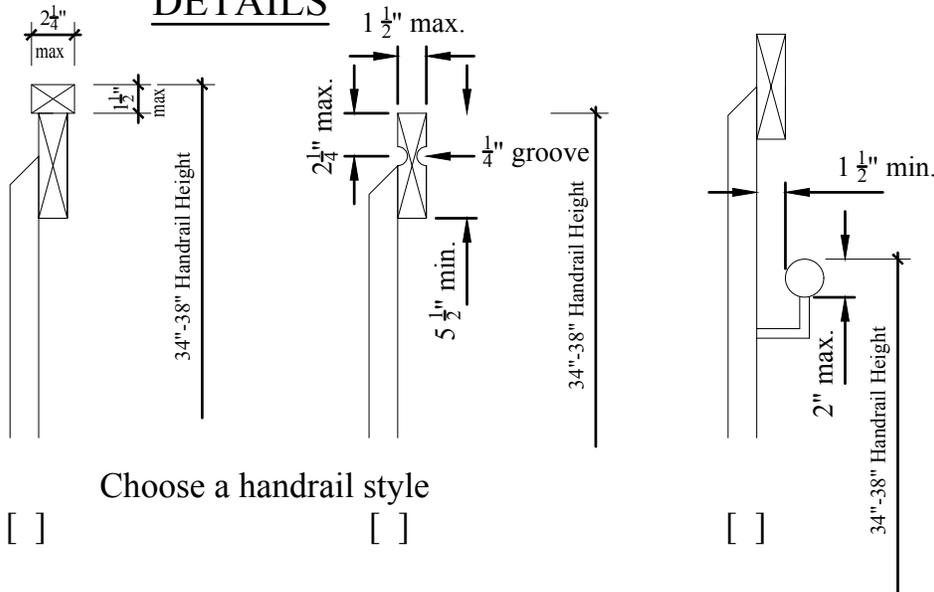
Choose a footing option:

<input type="checkbox"/>	Post attached to top of concrete footing	<input type="checkbox"/>	Post on top of buried concrete footing
--------------------------	--	--------------------------	--

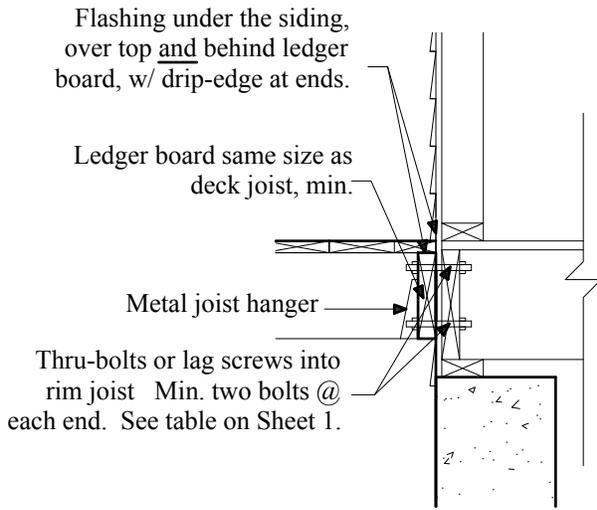
Application No:
Sheet No: <b>2</b>
of:



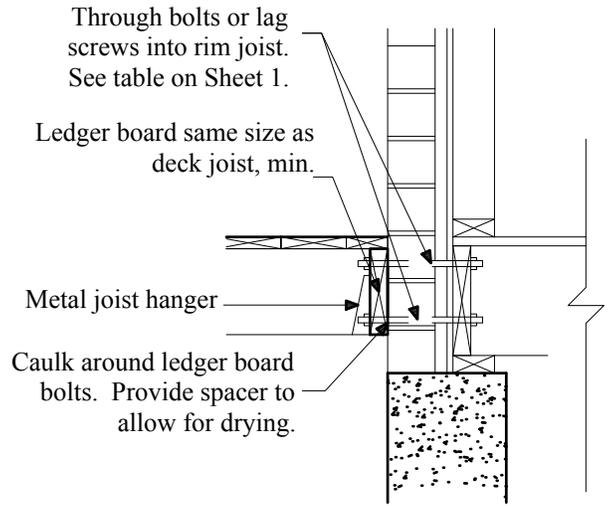
**HANDRAIL DETAILS**



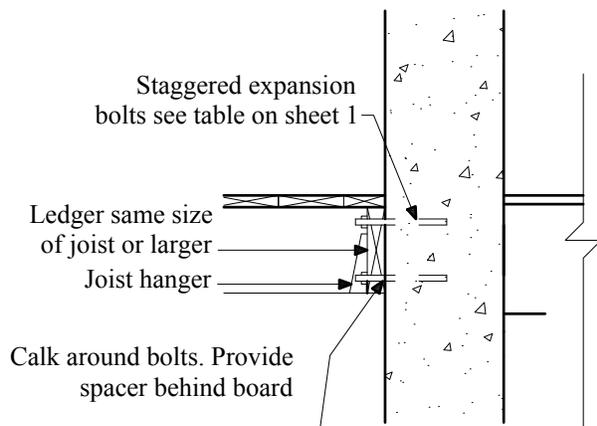
Application No:
Sheet No: <b>3</b>
of:



[ ] Siding Applications



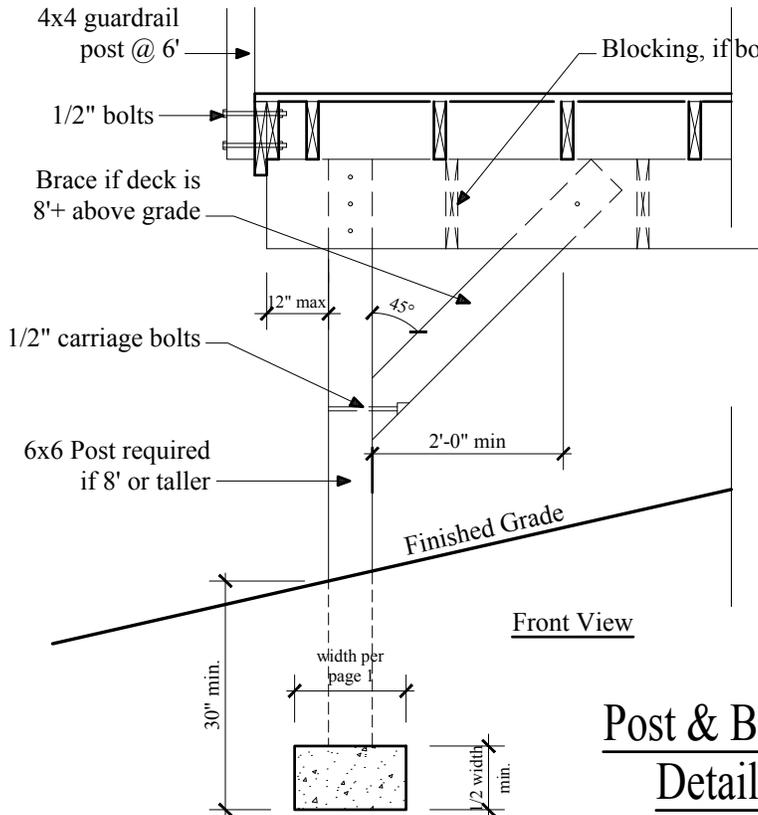
[ ] Brick Veneer Applications



[ ] Concrete wall

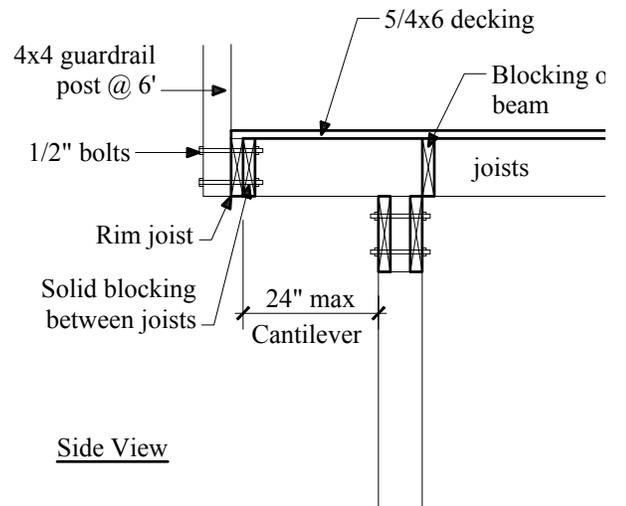
## Ledger Board Details

Choose the detail that applies  
(Ledger cannot attach to bays or cantilevers)



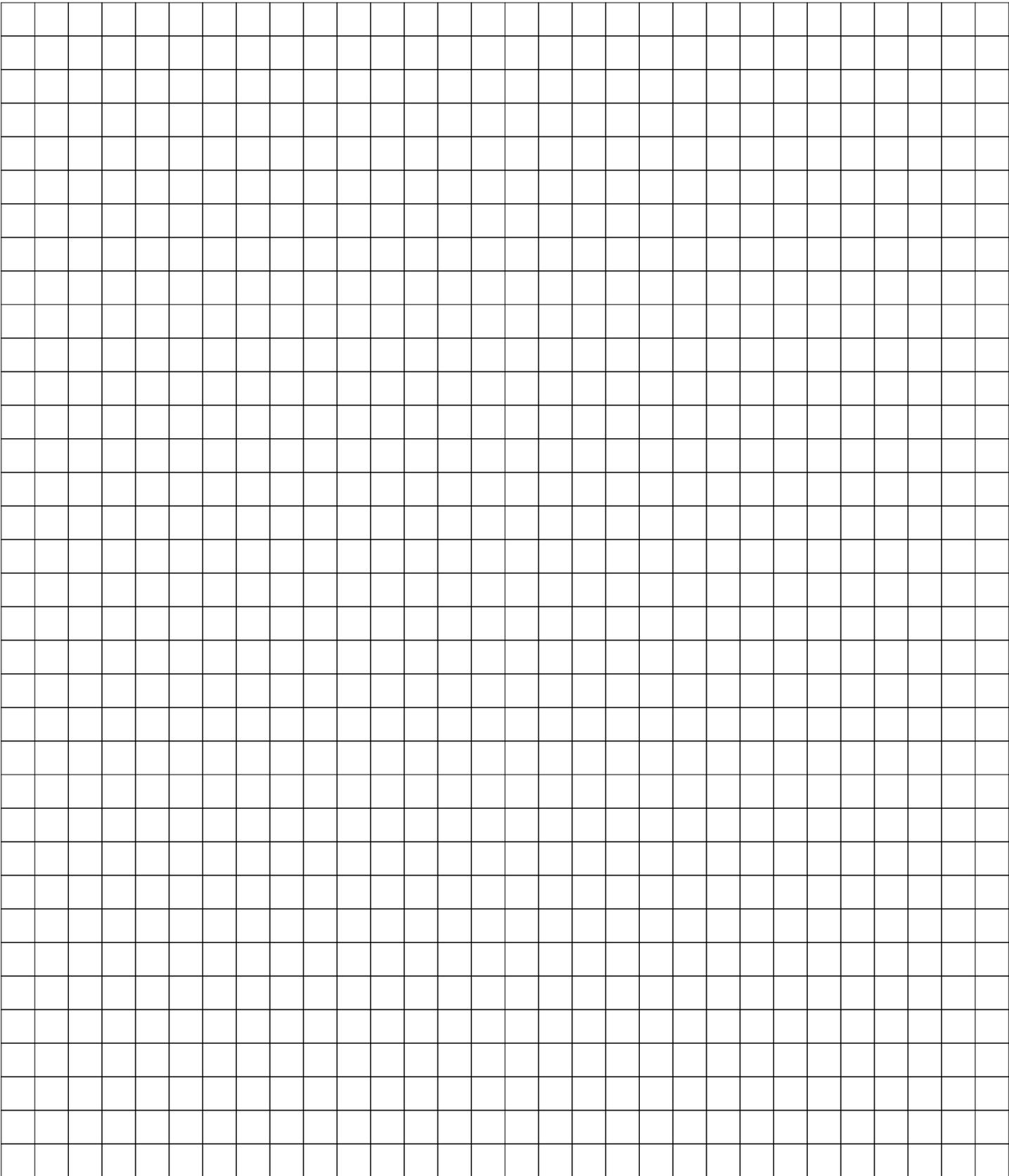
Front View

## Post & Beam Details



Side View

Application No:
Sheet No: <b>4</b>
of:



Deck Framing Plan

Show posts and beams  
use one square per foot  
show house location

Application No:
Sheet No: <b>5</b> of: