

Residential Deck Drawings

General Notes

1. All lumber shall be pressure treated for exterior use. All metal fasteners & hangers shall be G185 galvanized, stainless steel or otherwise compatible with the wood treatment. All bolts shall be 1/2" diameter, minimum and staggered.
2. All beams, joists, posts and decking shall be No. 2 Southern Pine, or better.
3. All beam splices and guard top rail splices shall occur at or on a post.
4. All footings shall be cast-in-place concrete with a min. 3000 psi compressive strength.
5. Guards are required at all areas where the deck/porch floor is greater than 30" above grade at any point.
6. Required guards shall be 36" tall (min.) and be constructed such that a 4" diameter object will not pass through.
7. Guard post spacing shall not exceed 6 ft. on center.
8. Required guards & handrails at stairs shall range from 34" to 38" vertically above the stair nosings.
9. Handrail ends, at the top and bottom, shall terminate into a post or be returned to a wall.
10. On stairs with closed risers, treads shall have a projected nosing ranging from 3/4" to 1-1/4". All treads and risers shall be equal.
11. The deck/porch floor shall be within 8-1/4" of the top of the door threshold.
12. Live Load Deflection: Joists & Beams- L/360
Guards- L/240
13. Design Loads: Floor Live Load - 40 lbs./sf (min.)
Wind Speed - 90 mph
Soil Bearing Pressure - 2000 psf
14. Guards shall be designed for a 200 lb. concentrated load placed along the top rail in any direction, at any point.
15. This deck/porch is not designed for hot-tub or spa loading.
16. All exterior stairs & associated landings shall be illuminated.
17. Post size is based on the height of the deck floor above finished grade (at the highest point):
0' to 8' high: 4x4, 4x6, 6x6
over 8' to 10' high: 4x6, 6x6
over 10' high: 6x6 (required for multi-level decks too)
18. All separated beams shall receive full depth solid blocking at 24" on center, maximum spacing.
19. The actual field construction shall match the approved plans. All field changes and/or deviations require an Engineering Change approval or new permit.

Framing/Footing Table

[1] Choose one floor joist size with the associated span, [2] Choose one floor beam size. Entire row applies.

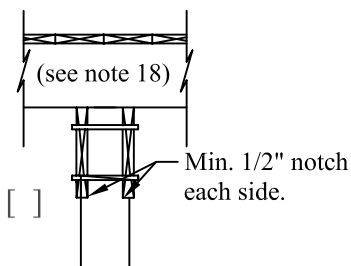
Floor Joists ^a			Floor Beams ^b			Footing Size				1/2" Ledger Board Bolts
Choose Joist Size	Lumber Size	Max. Span [A]	Choose One Row	Lumber Size	Max. Span [B]	Single-Span Floor Joists		Multi-Span Floor Joists		Spacing
	(nominal)	(feet)		(nominal)	(feet)	min. dia. [C]	min. thick [D]	min. dia. [C]	min. thick [D]	
						(inches)	(inches)	(inches)	(inches)	(inches)
[]	2 x 6	8	[]	(2) 2 x 6	5	12	6	15	8	24
			[]	(2) 2 x 8	7	12	6	16	8	24
			[]	(2) 2 x 10	9	12	6	18	9	24
			[]	(2) 2 x 12	11	12	6	20	10	24
[]	2 x 8	10	[]	(2) 2 x 8	7	12	6	20	10	16
			[]	(2) 2 x 10	9	12	6	22	11	16
			[]	(2) 2 x 12	10	12	6	22	11	16
[]	2 x 10	13	[]	(2) 2 x 10	8	14	7	24	12	16
			[]	(2) 2 x 12	9	14	7	26	13	16
[]	2 x 12	16	[]	(2) 2 x 12	8	16	8	28	14	12

a. Choose one joist size and corresponding maximum span. All joists are spaced a maximum of 16" oc.

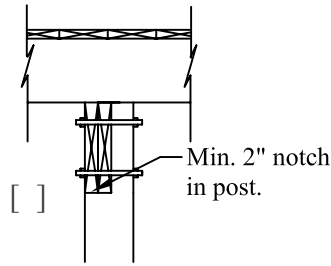
b. Choose one floor beam (entire row) that corresponds with the size of joist chosen.

Beam to Post Connection Options

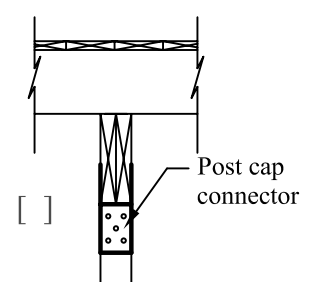
[3] Choose one beam to post connection option. [4] Choose one post size based on the height of the deck.



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



- [] 6x6 posts (only)



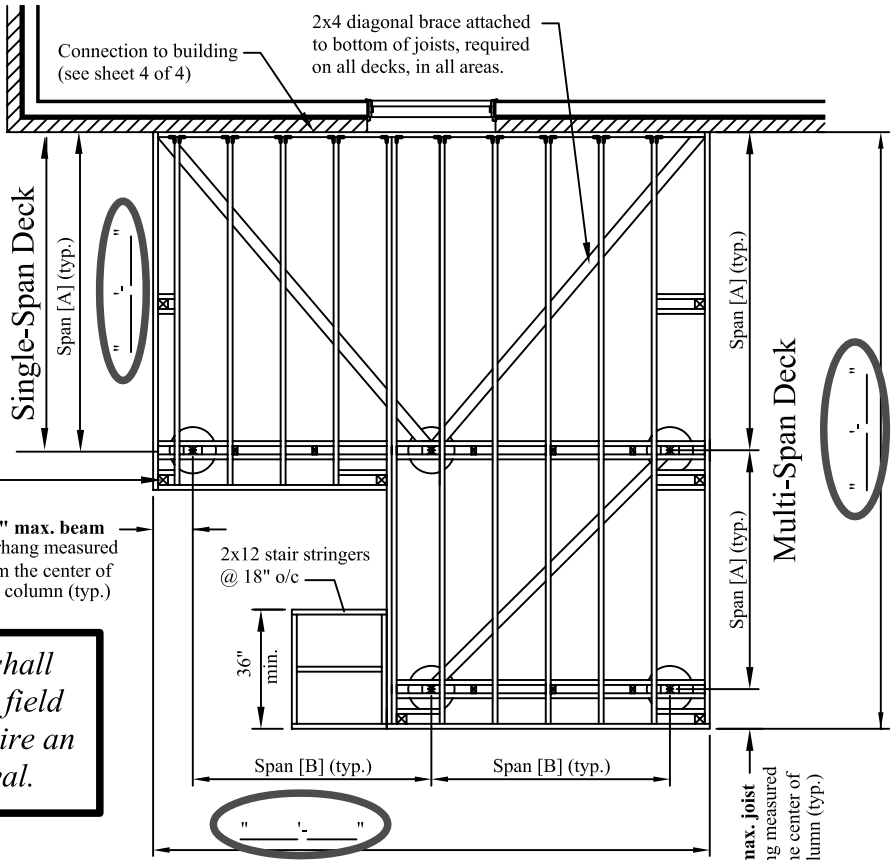
- [] 4x4 posts (up to 8')
- [] 4x6 posts (up to 10')
- [] 6x6 posts req'd over 10'

Property Owner:	Person Completing this Form:	Contractor:	Application No.
Name: _____	Name: _____	Name: _____	Sheet No. 1 of 5
Address: _____	Address: _____	Address: _____	
Phone: _____	Phone: _____	Phone: _____	

Foundation & Framing Plan

[5] Choose one span configuration:

- Single-Span
- Multi-Span



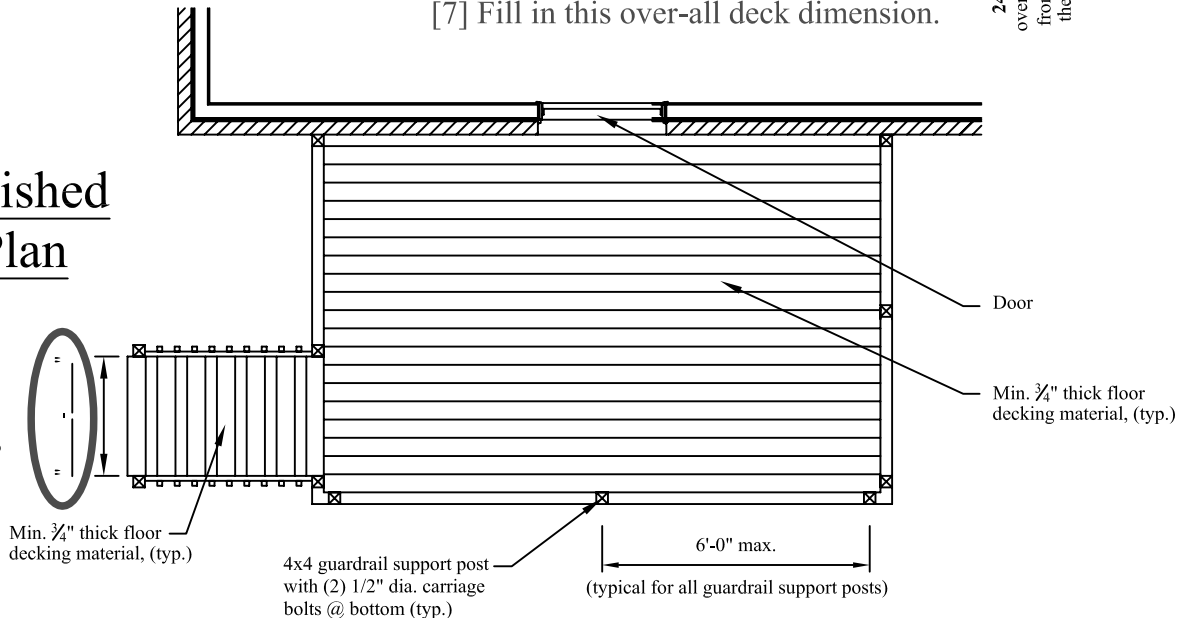
The actual field construction shall match the approved plans. All field changes and/or deviations require an Engineering Change approval.

[6] Fill in this over-all deck dimension.

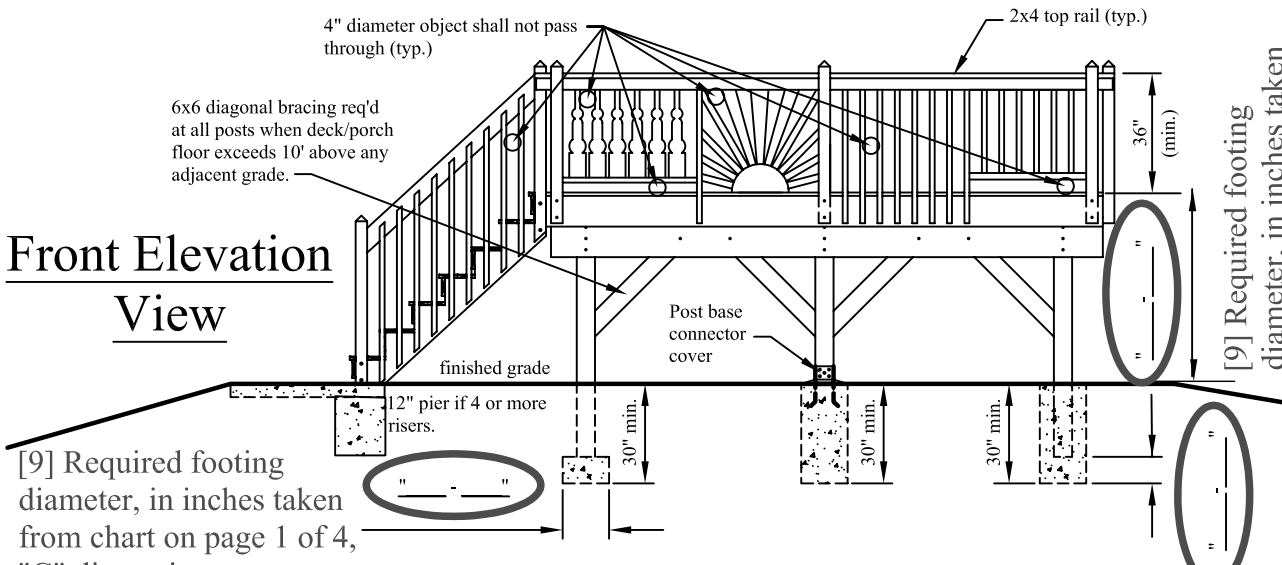
[7] Fill in this over-all deck dimension.

Deck Finished Floor Plan

[8] Fill in the stair width, in inches (36" min.).



Front Elevation View



[9] Required footing diameter, in inches taken from chart on page 1 of 4, "D" dimension.

[9] Required footing diameter, in inches taken from chart on page 1 of 4, "C" dimension.

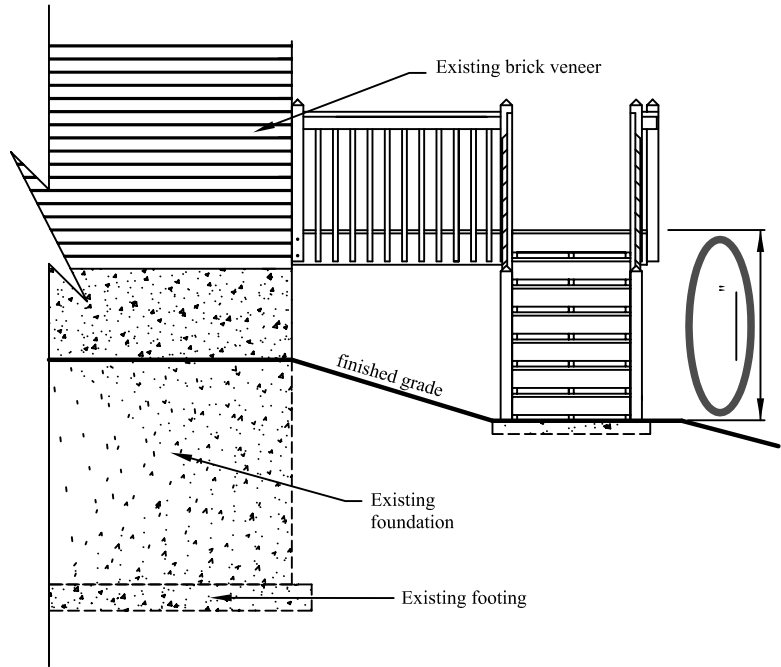
[10] Choose a footing option:

- Post on top of buried concrete footing
- Post attached to top of concrete footing
- Post on top of buried concrete footing

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Residential Deck Drawings

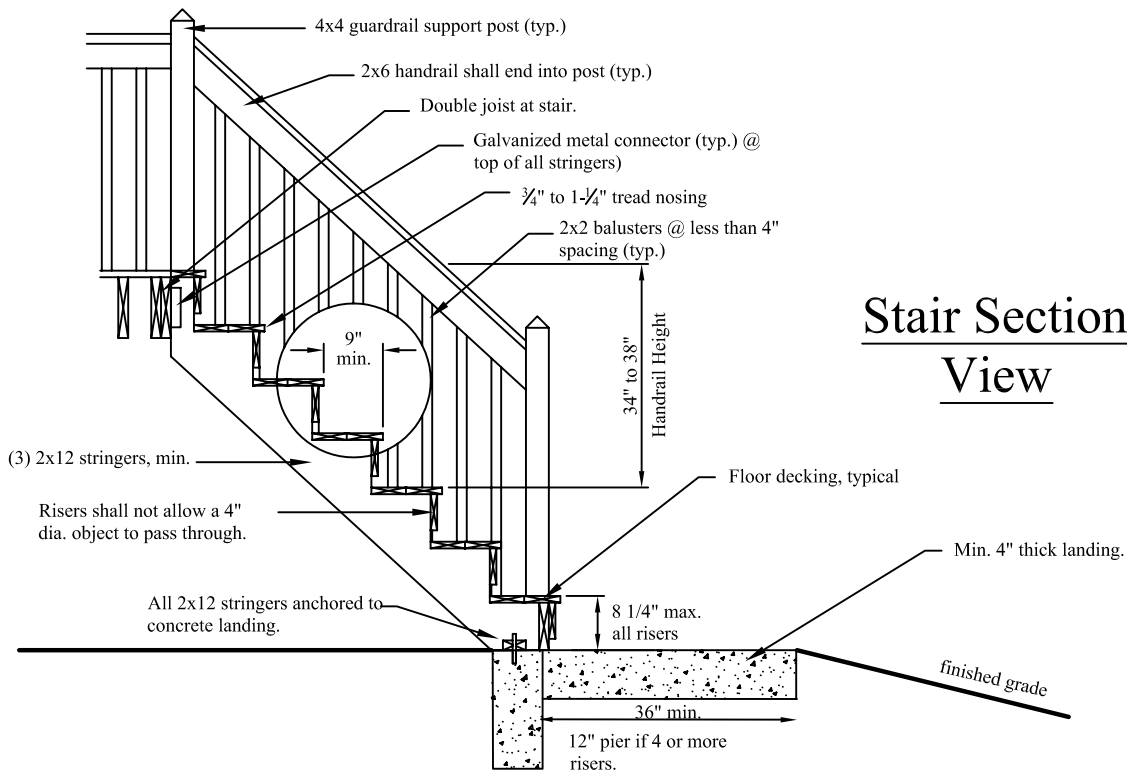
Left Side Elevation View

The actual field construction shall match the approved plans. All field changes and/or deviations require an Engineering Change approval.

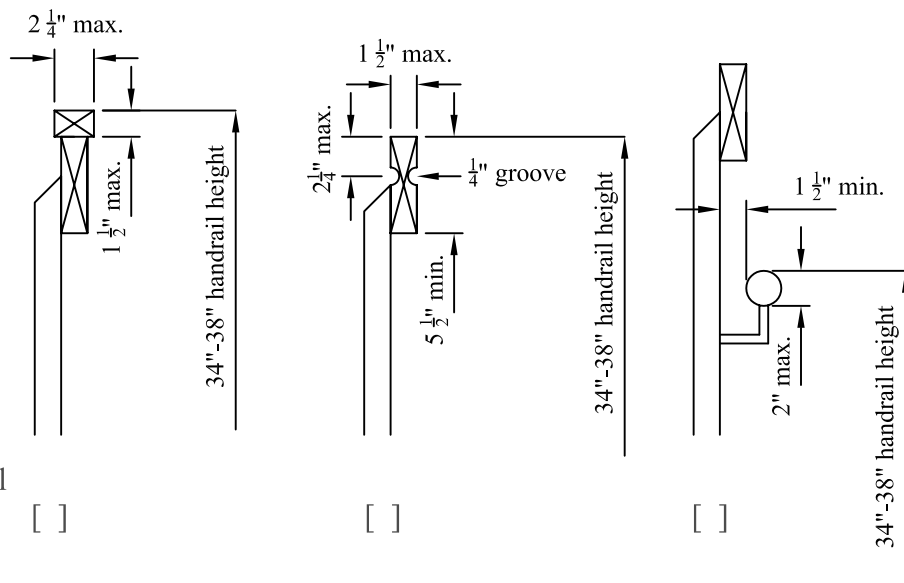


[11] Fill in the highest point above grade in inches.

Stair Section View



Handrail Sections



[12] Choose a handrail grip style:

[]

[]

[]

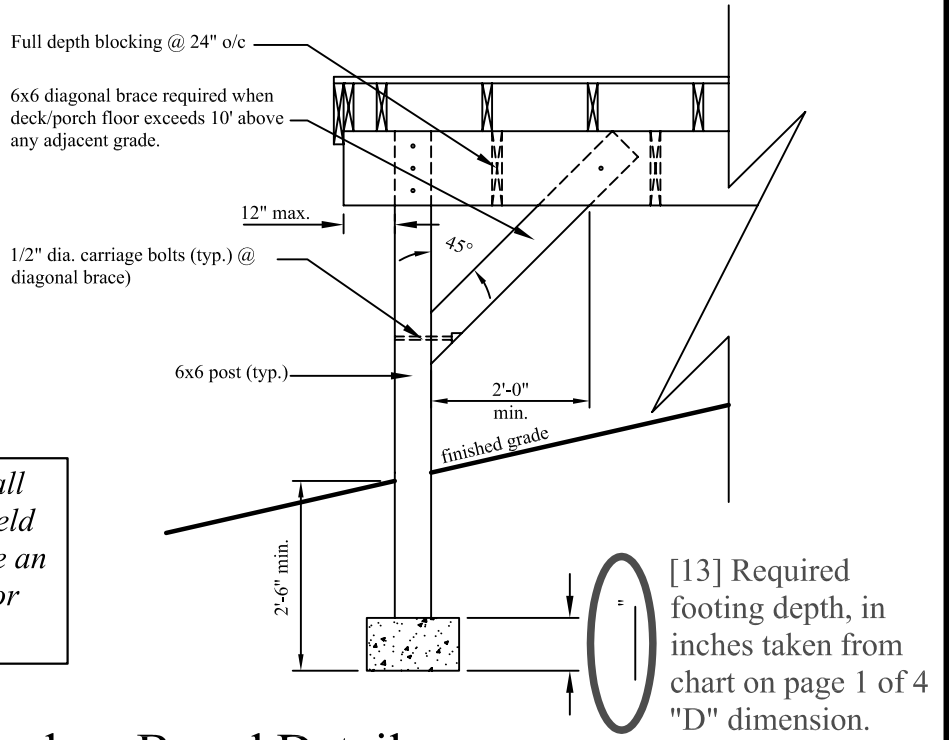
Application No.

Sheet No.

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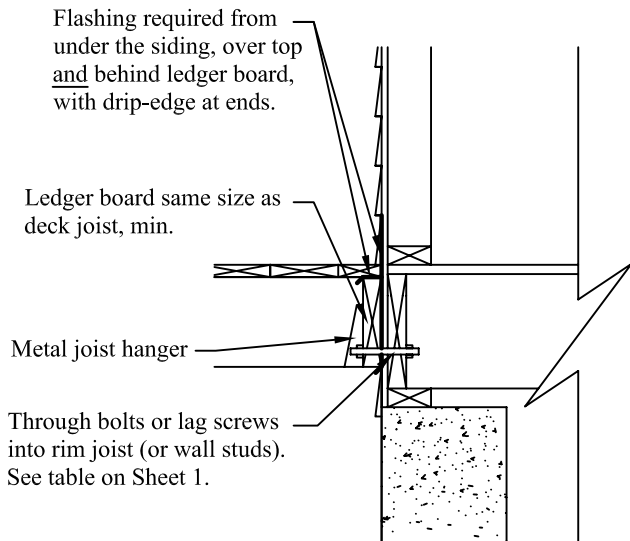
Post & Beam Detail

The actual field construction shall match the approved plans. All field changes and/or deviations require an Engineering Change approval or new permit.

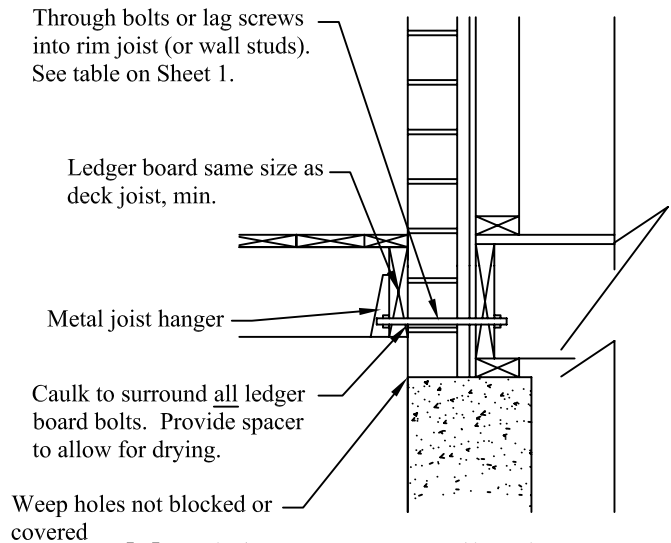


Ledger Board Details

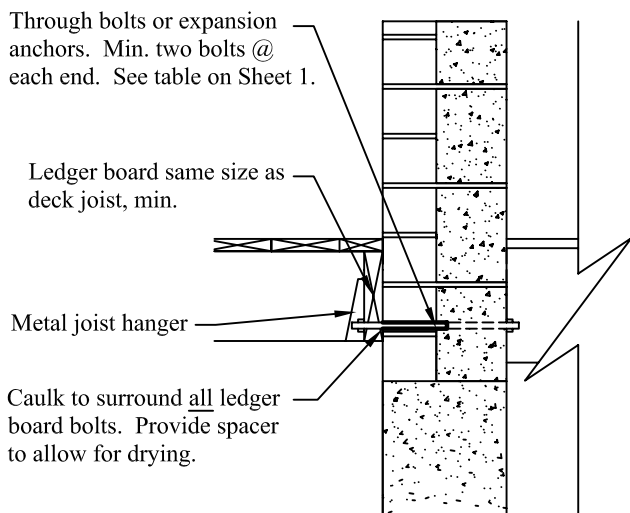
[14] Choose the ledger board detail that applies.



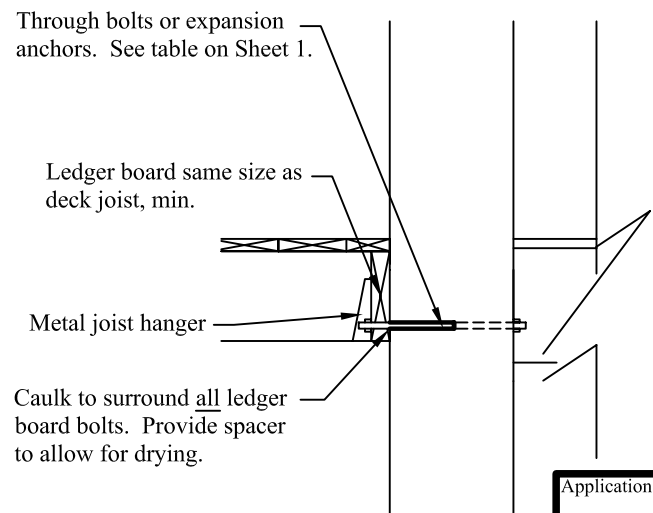
Siding Applications



Brick Veneer Applications



Brick/Block Applications

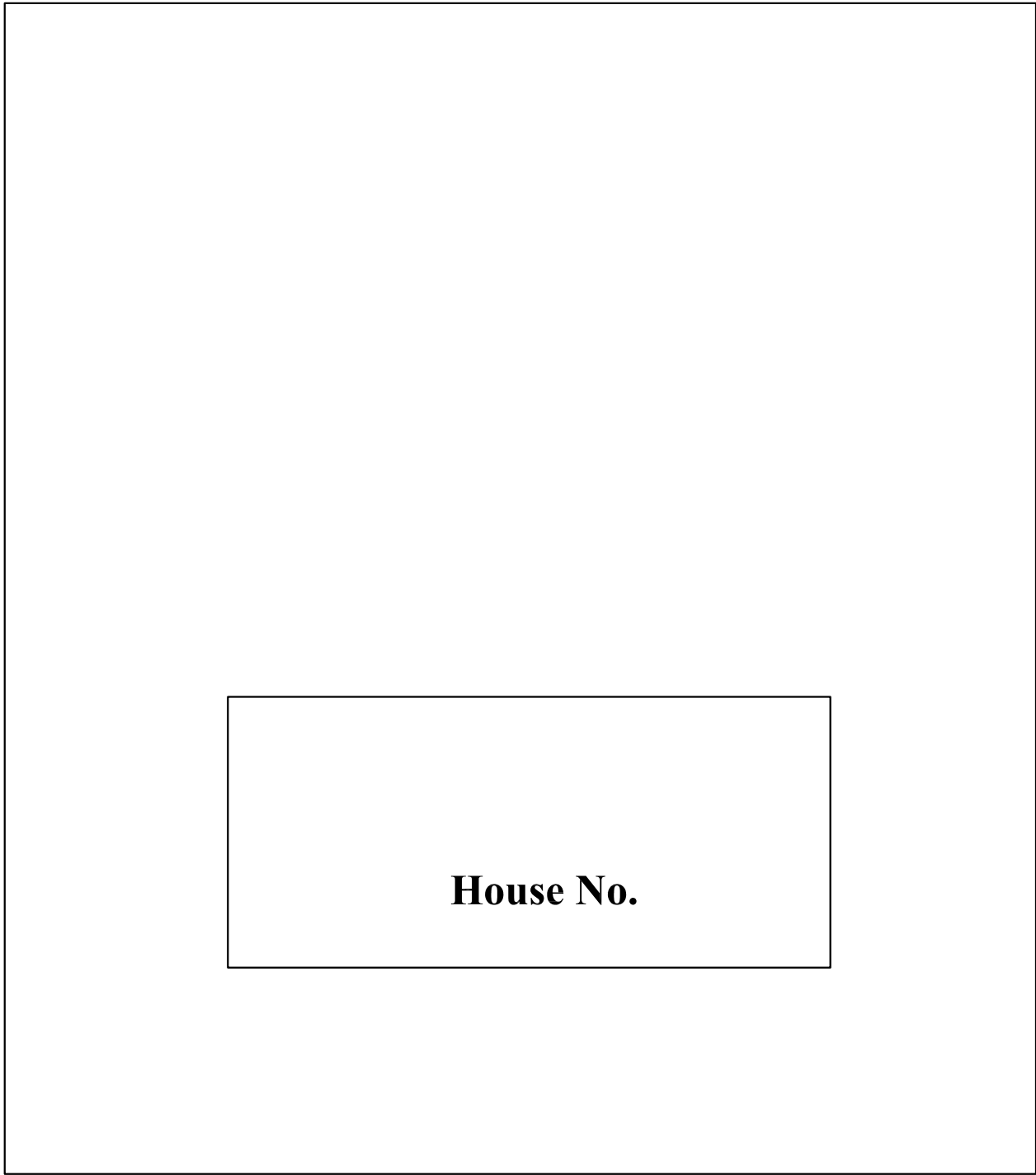


Concrete Applications

THE 1/2" BOLTS MUST BE STAGGERED

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Residential Deck Drawings

SITE PLAN



P / L



Curb Line

Street Centerline (Name)

Curb Line

Application No.

Sheet No.