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2020 Residential Code Of New York State

Climatic & Geographic Design Criteria Table R301.2(1)													
Ground Snow Load	Wind Design			Seismic Design Category	Subject To Damage From		Winter Design Temp.	Ice Shield	Flood Hazards	Air Freezing Index	Mean Annual Temperature		
	Speed (mph)	Topographic Effects	Special Wind Region		Wind-Borne Debris Zone	Heaviness						Frost Line Depth	Termites
30 lb/ft	15 - 120 mph	No	Yes	Zone 1	B	Severe	42"	Moderate Heavy	7° F	Yes	No	1500 or Less	52.2 F

Manual J Design Criteria						
Elevation	Latitude	Winter Heating	Summer Cooling	Altitude Correction Factor	Indoor Design Temperature	Design Temperature Cooling
436	41	7	87	1	68	75
Cooling Temperature Difference	Wind Velocity Heating	Wind Velocity Cooling	Coincident Wet Bulb	Daily Range	Winter Humidity	Summer Humidity
12	20.4	1.5	1.5	M	30	55

Insulation And Fenestration Requirements By Component Table R402.1.2										
Climate Zone	Fenestration U-Factor	Skylight U-Factor	Glaazed Fenestration SHGC	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value	Slab R-Value And Depth	Crawl Space Wall R-Value
4	0.27	0.50	0.4	49	21 Int. Or 20+5 Or 15+10	15/20	30	15/14	10, 4 Ft	15/14

Insulation Note:
 Prescriptive Insulation Method To Be Used
 No ResCheck Required
 See Table R402.1.2 Of The NYStretch Energy Code 2020

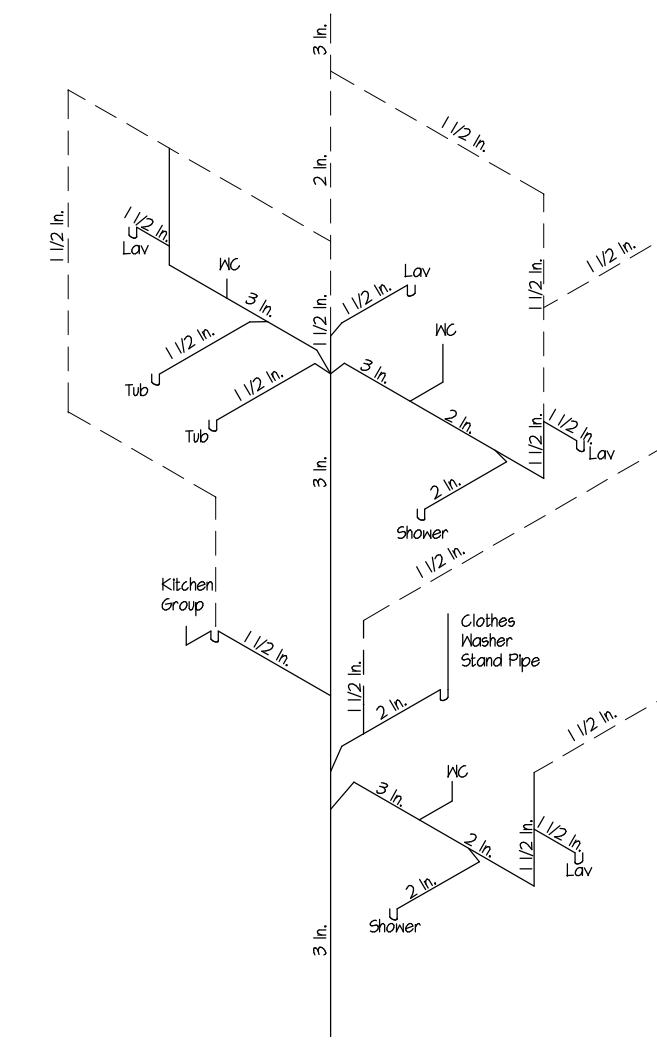
Construction Type Note:
 As Per Title 19 NYCRR Part 1265
 Provide Label As Shown Below

V = Construction Type As Per Section 602 of BCNY'S
FR = Floor And Roof Framing As Per Designation For Structural Components That Are Of Truss/ Engineered Type Construction

Size:
 6" Diameter Circle

Color:
 Circle To Be 1/2" Stroke - Reflective Red Pantone #187
 Inner Circle - Reflective White
 Text - Reflective Red Pantone #187

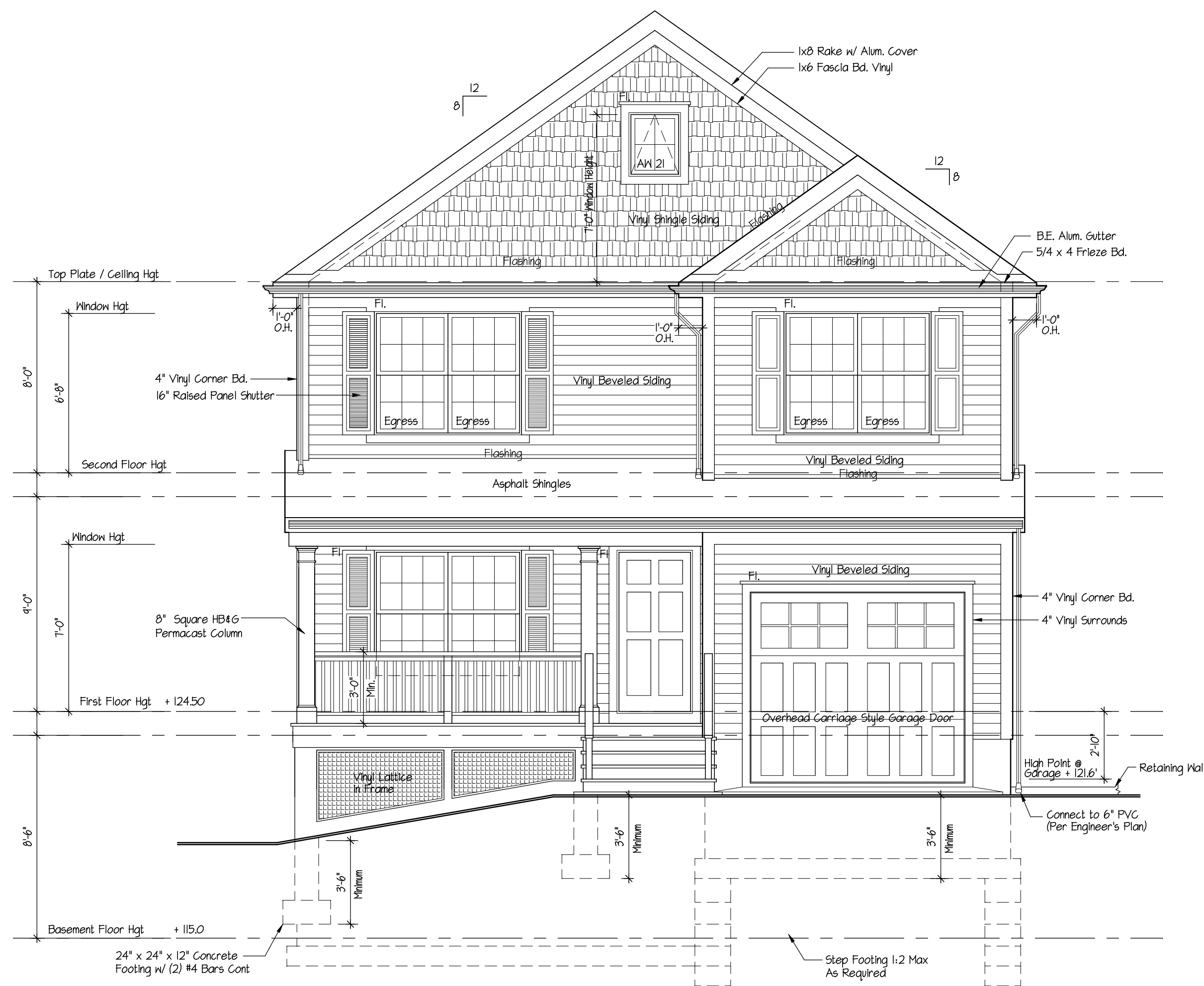
Sign Location:
 The Sign Or Symbol Required Shall Be Affixed To The Electric Box Attached To The Exterior Of The Residential Structure.
 See Section 1265.5 For Further Notes On Sign Location.
 See Title 19 NYCRR Part 1265 For Other Specs



Typical Plumbing Riser Diagram
 Scale: None

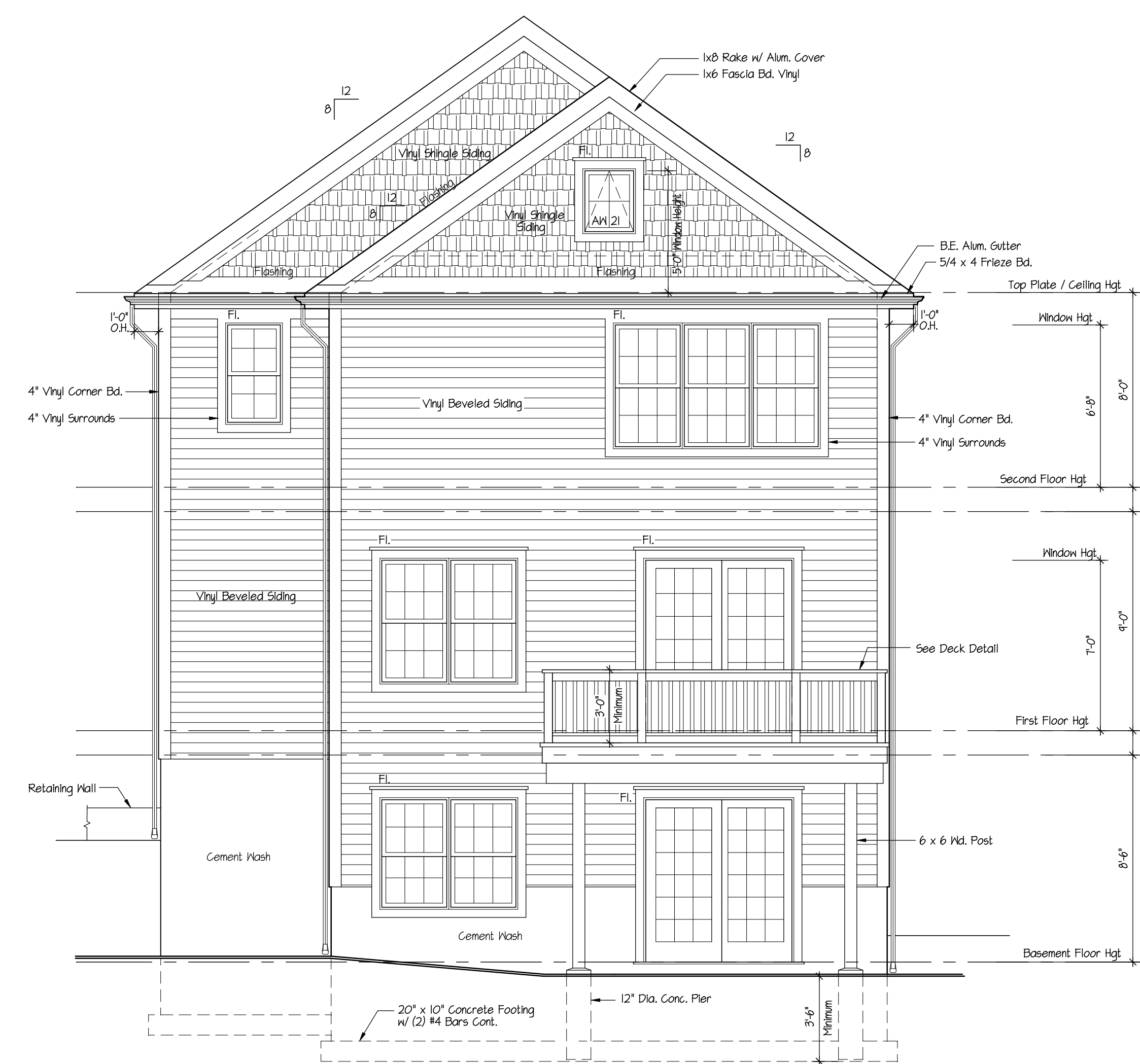
Riser diagram taken from "2020 Residential Code Of New York State" Figure N5, Refer to diagram for all other information

Note:
 Plumbing riser diagram shown is generic, and should be used only for informational purposes. Plumbing contractor to install plumbing system as per state & local building codes.



Front Elevation
 Scale: 1/4" = 1'-0"

Square Footage	
First Floor	1116 SF
Second Floor	1366 SF
Total	2,482 SF



Rear Elevation
 Scale: 1/4" = 1'-0"

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Residence For:
**73 Melrose Ave
 Croton on Hudson, NY**

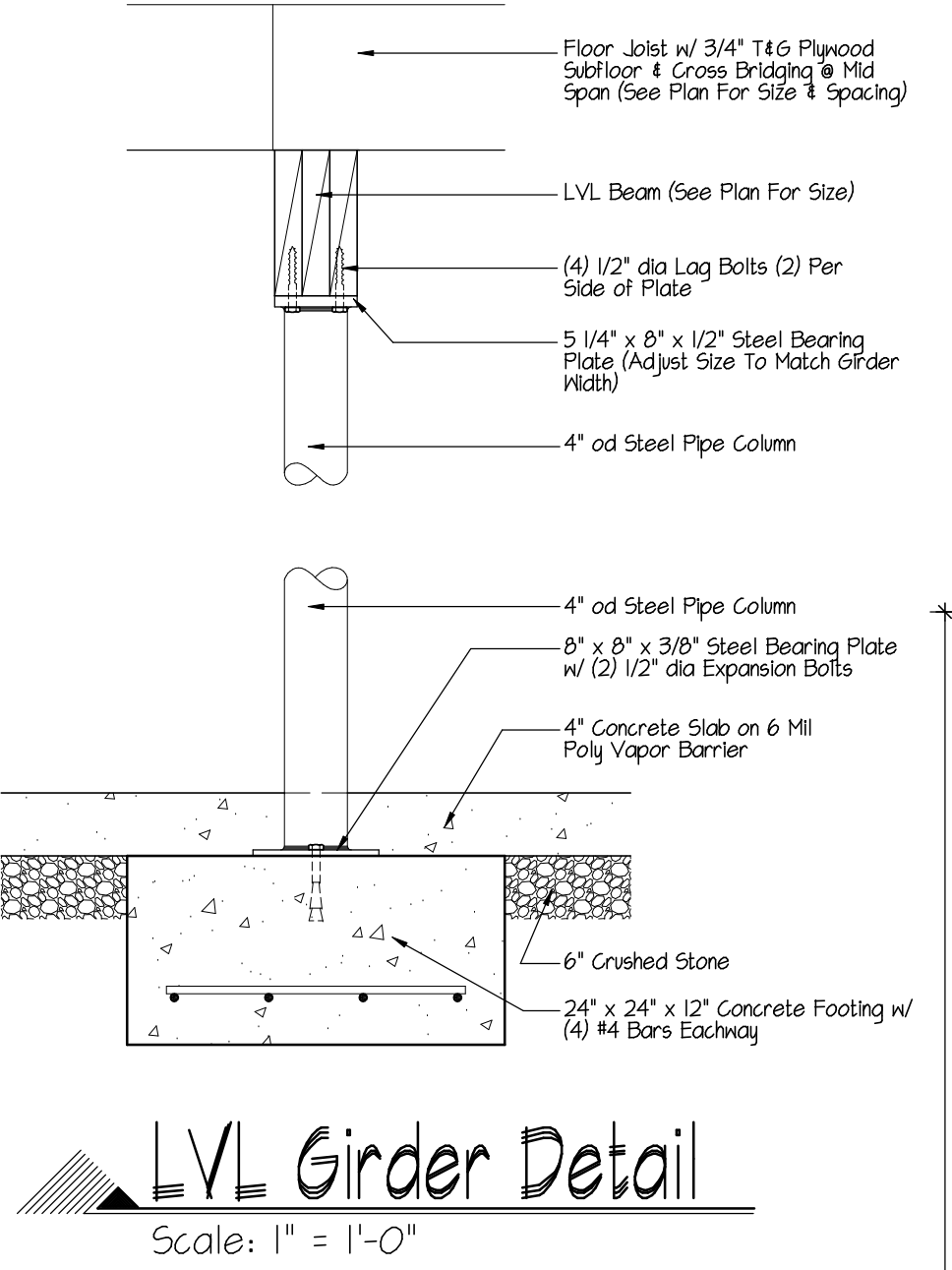
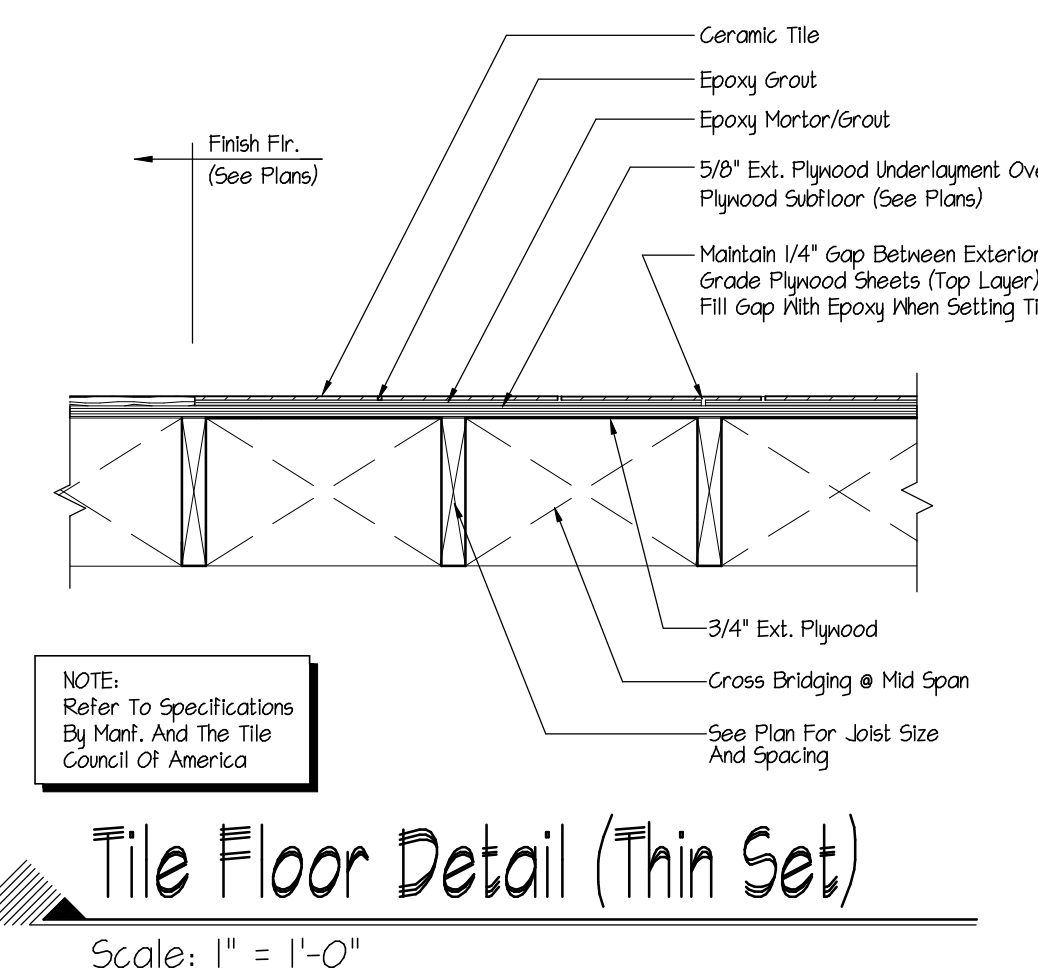
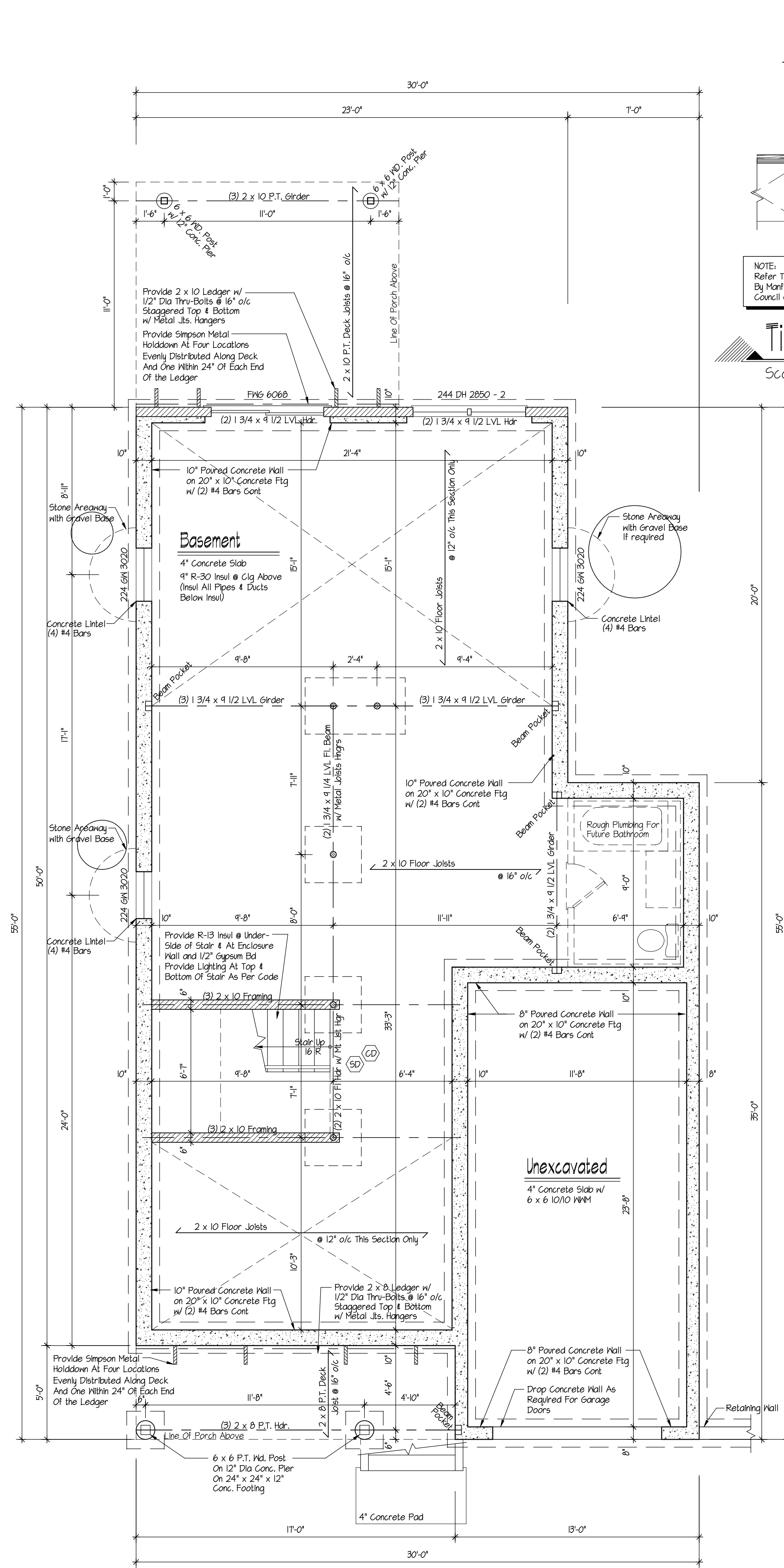
Revision	Date
Date	Sept. 22, 2025
Job No	225-110
Drawing	
OF	DT

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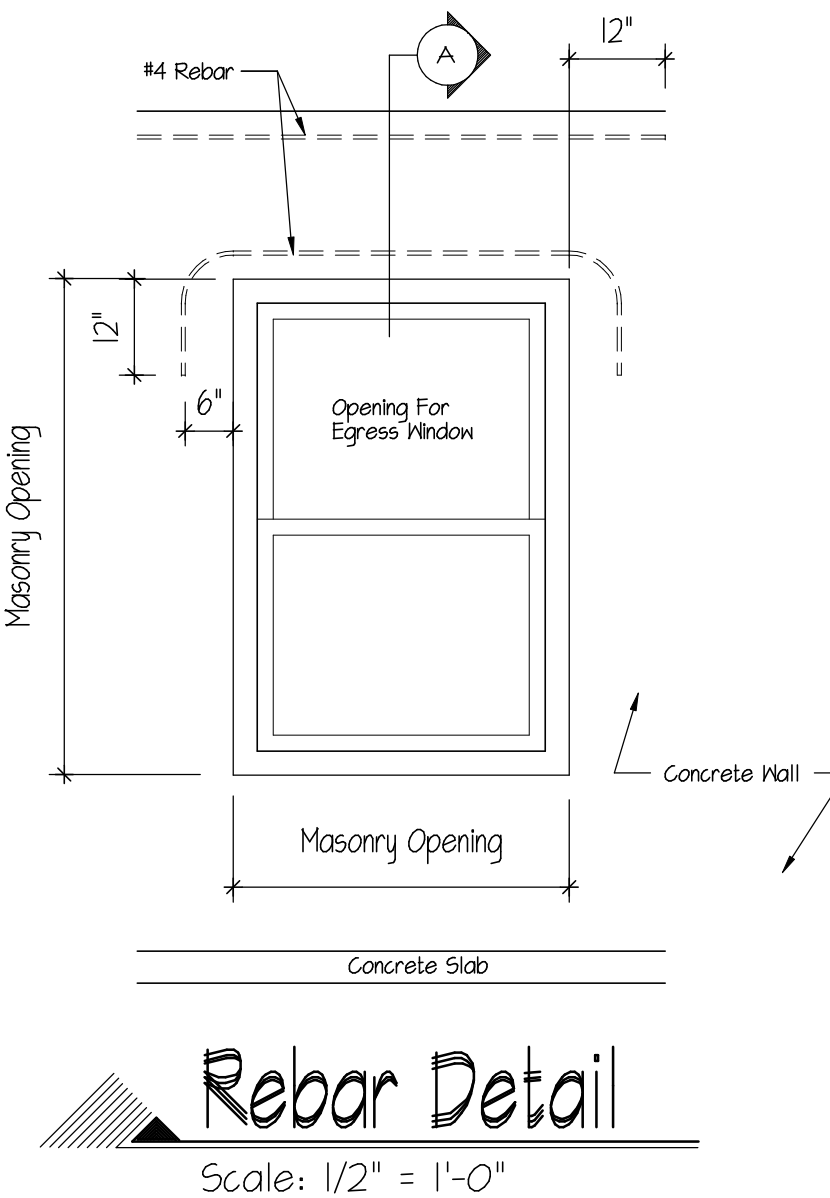
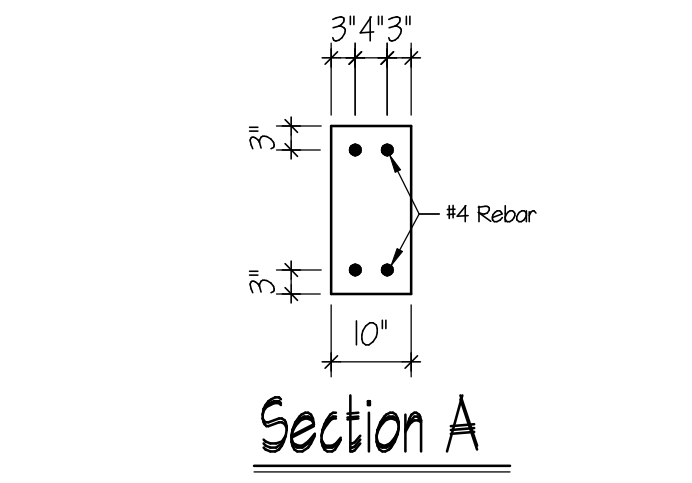
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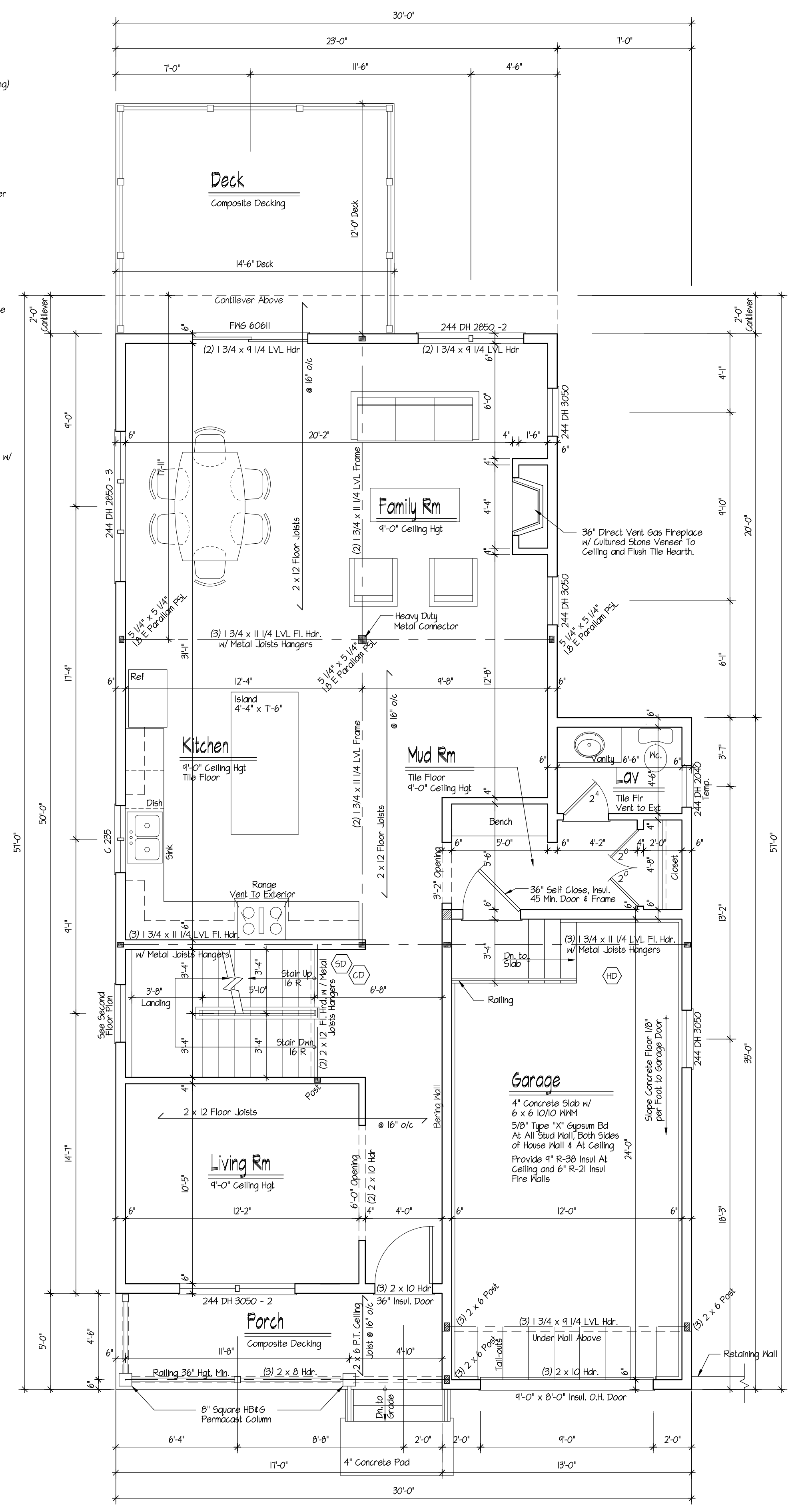
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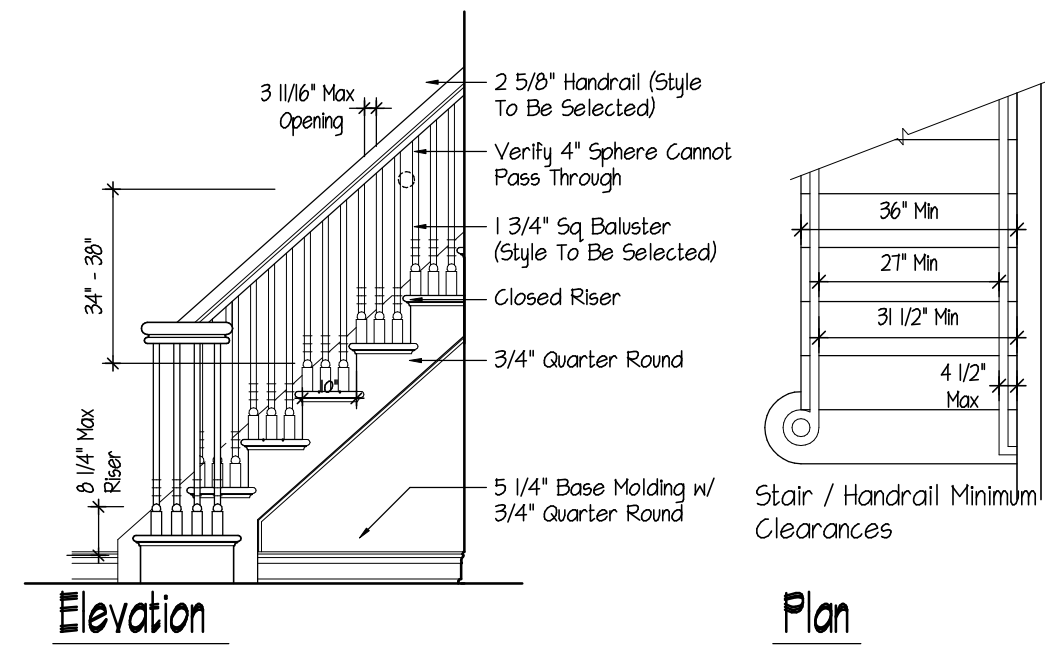


- Window Note:**
- All Glazing To Be Low "E" Insulated Glass w/ Minimum U-Factor Of 0.21 And SHGC Of 0.4
 - All Windows Within 18" Of Floor To Have Tempered Glass (Double Hangs-Bottom Sash Only, All Others Full Unit).
 - All Glazing In Doors & Windows Enclosing Hot Tubs, Whirlpool Tubs, Saunas, Steam Rooms, Bathrooms and Showers Within 60" Of Window or Door Unit Shall Have Tempered Glass.
 - All Egress Windows To Have A Minimum Clear Opening Area Of 5.7 Sf Total w/ 24" min Clear Opening Height & 20" min Clear Width. Refer To Manufacturers Specifications For All Other Information.
 - All Windows or Doors Marked w/ "TEMP" To Have Full Unit Tempered.
 - All Windows Sills Within 24" Above The Finished Floor & Greater Than 12" Above Finished Grade Or Other Surface. Requires Fall Protection. See Section R312.2 For More Info.



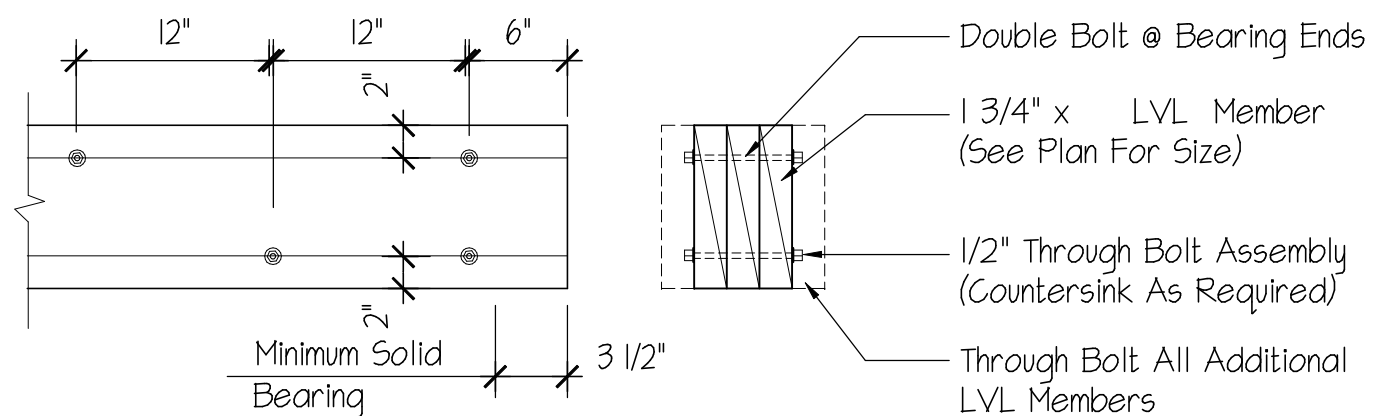
- Notes:**
- All Footings To Bear On Solid Undisturbed Earth
All Framing Members To Be # 2 Douglas Fir-Larch Or Better
Double Frame Under All Partitions Parallel To Framing
Double All Box Joist At Celler Type Windows
If The Floor Is To Be MID Job Consult Architect For Additional Framing Required
- Legend:**
- (4) 2 x Wood Post or As Noted
 - SD Smoke Detector w/ Battery Back-up
 - HD Heat Detector w/ Battery Back-up
 - CD Carbon Monoxide Detector w/ Battery Back-up
- Wood Header Schedule**
- | Span | Header Size |
|-------------|-----------------|
| Up to 3'-0" | (2) 2 x 8" Hdr |
| Up to 4'-0" | (2) 2 x 10" Hdr |
| Up to 6'-0" | (3) 2 x 10" Hdr |
- Note: Unless Otherwise Noted On Plans





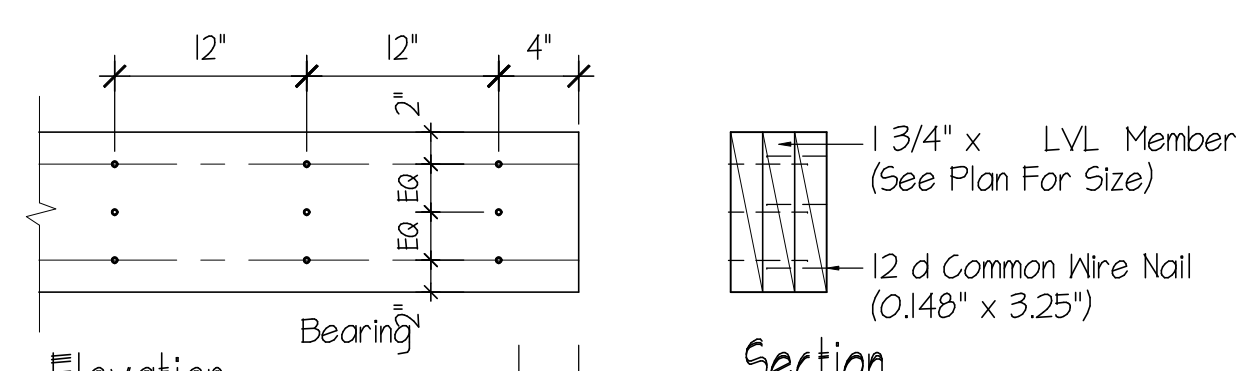
Stair Clearance Detail

Scale: None



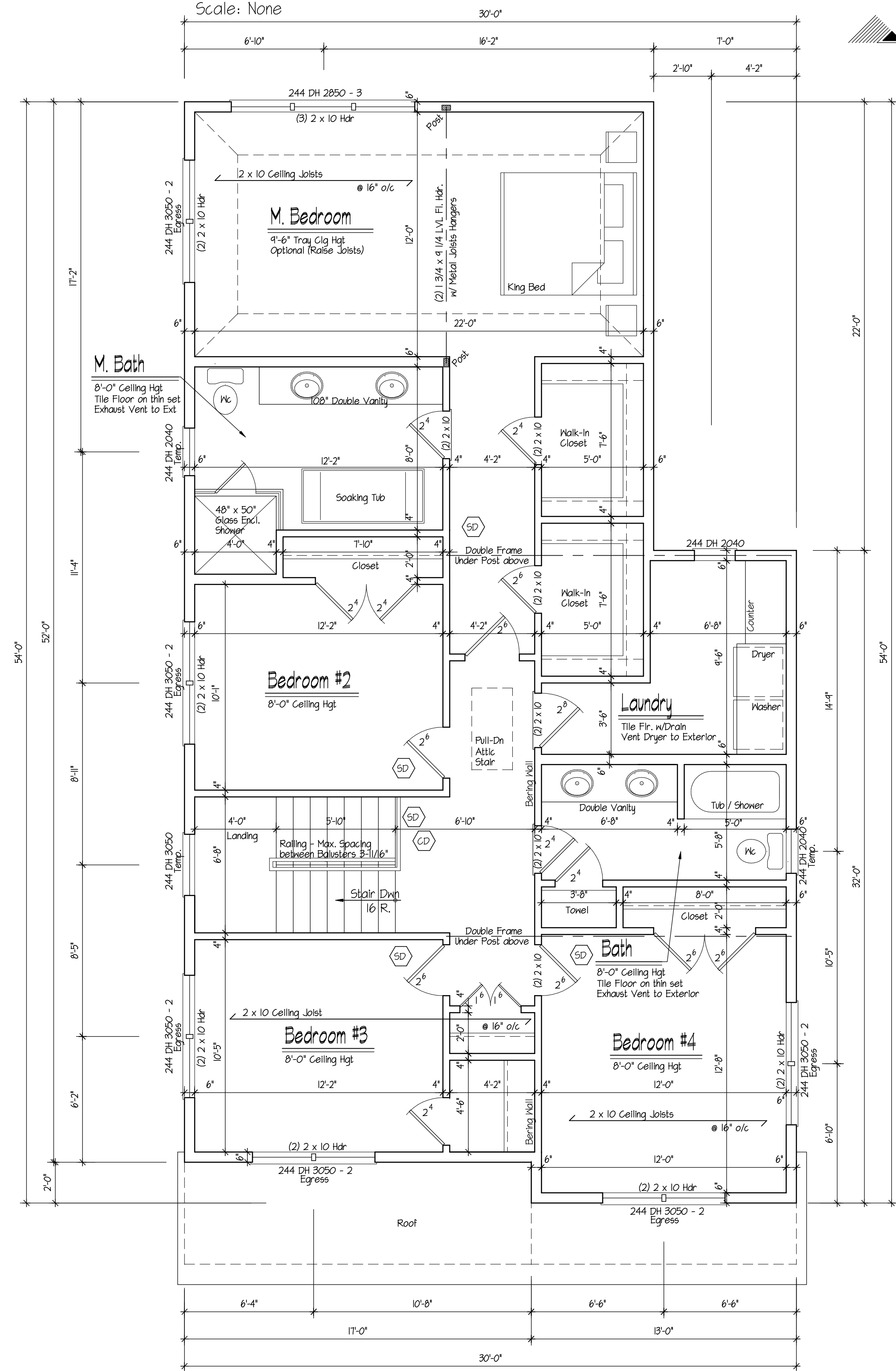
LVL Beam Detail (Bolted)

Scale: None



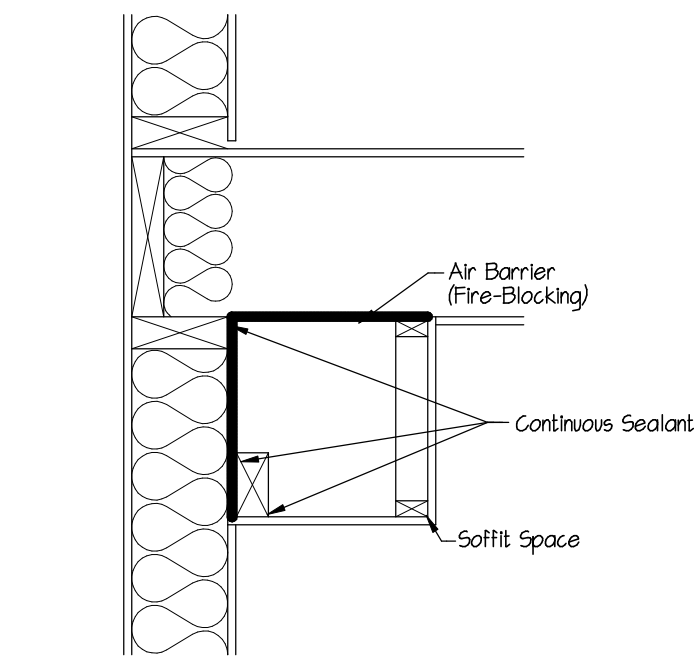
LVL Beam Detail (Nailed)

Scale: 1" = 1'-0"



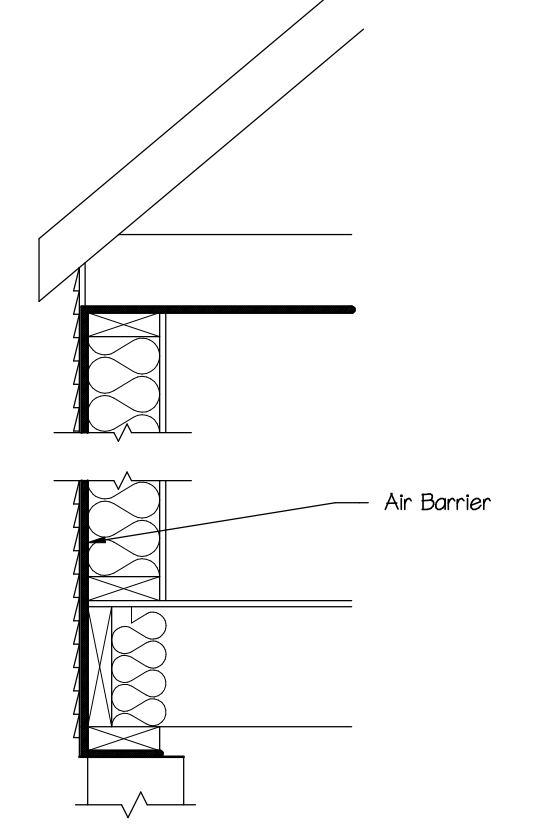
Second Floor Plan

Scale: 1/4" = 1'-0"



Air Barrier At Soffit Spaces

Scale: 1" = 1'-0"



Air Barrier Detail

Scale: 1/4" = 1'-0"

Egress Window Sizes:

Size	Opening	Width	Height
244 DH 3050	6'0" x 6'	52.56"	26.45"

- Window Note:**
- All Glazing To Be Low "E" Insulated Glass w/ Minimum R-31 (U=0.32).
 - All Windows Within 18" Of Floor To Have Tempered Glass (Double Hung/Bottom Sash Only All Others Full Unit).
 - All Glazing In Doors 4 Windows Enclosing Hot Tubs, Hot Tubs, Saunas, Steam Rooms, Bathrooms and Showers Within 60" Of Window or Door Unit Shall Have Tempered Glass.
 - All Egress Windows To Have A Minimum Clear Opening Area Of 5.7 Sq. Total w/ 20" min Clear Opening Height & 20" min Clear Width. Refer To Manufacturers Specifications For All Other Information.
 - All Windows or Doors Marked w/ "EHP" To Have Full Unit Tempered.
 - All Windows Sills Within 24" Above The Finished Floor & Greater Than 12" Above Finished Grade Or Other Surface. Requires Fall Protection.
- See Section R302.2 For More Info.

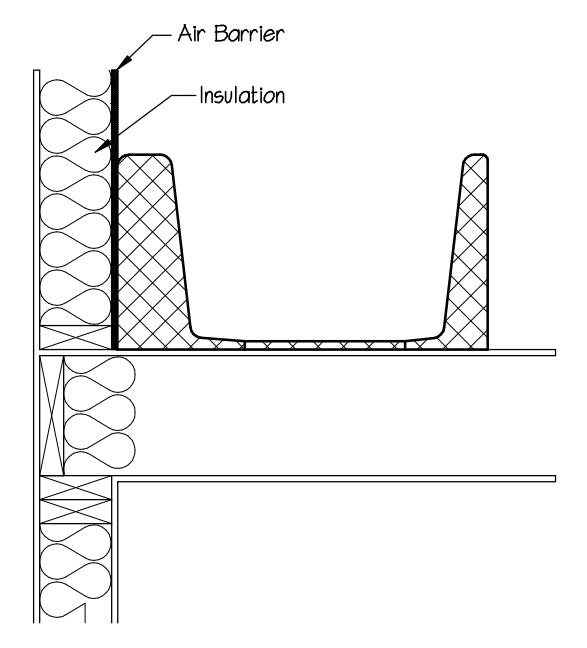
- Notes:**
- All Framing Members To Be # 2 Douglas Fir - Larch Or Better Double Frame Under All Partitions Parallel To Framing
 - Double All Box Joist At Ceiling Type Windows
 - If Tile Floor Is To Be MUD Job Consult Architect For Additional Framing Required

- Legend:**
- (4) 2 x Wood Post or As Noted
 - Smoke Detector w/ Battery Back-Up
 - Carbon Monoxide Detector w/ Battery Back-Up

Wood Header Schedule

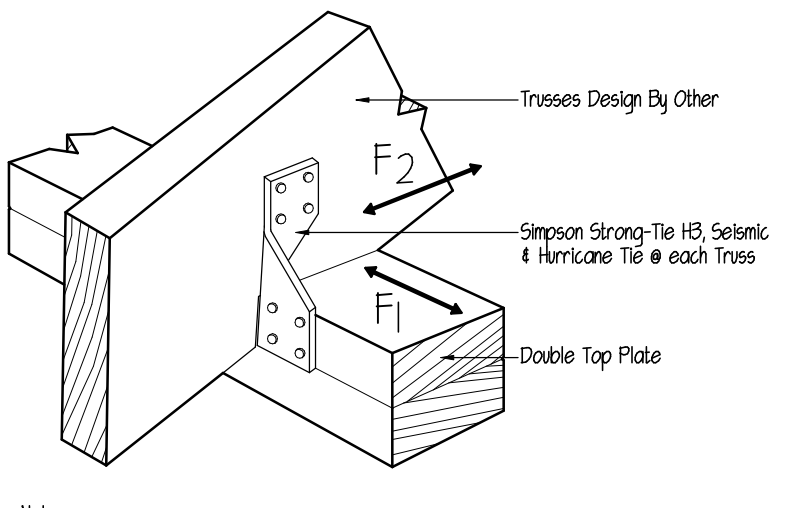
Span	Header Size
Up To 3'-0"	(2) 2 x 8 Hdr
Up To 4'-0"	(2) 2 x 10 Hdr
Up To 6'-0"	(3) 2 x 10 Hdr

Note: Unless Otherwise Noted On Plans



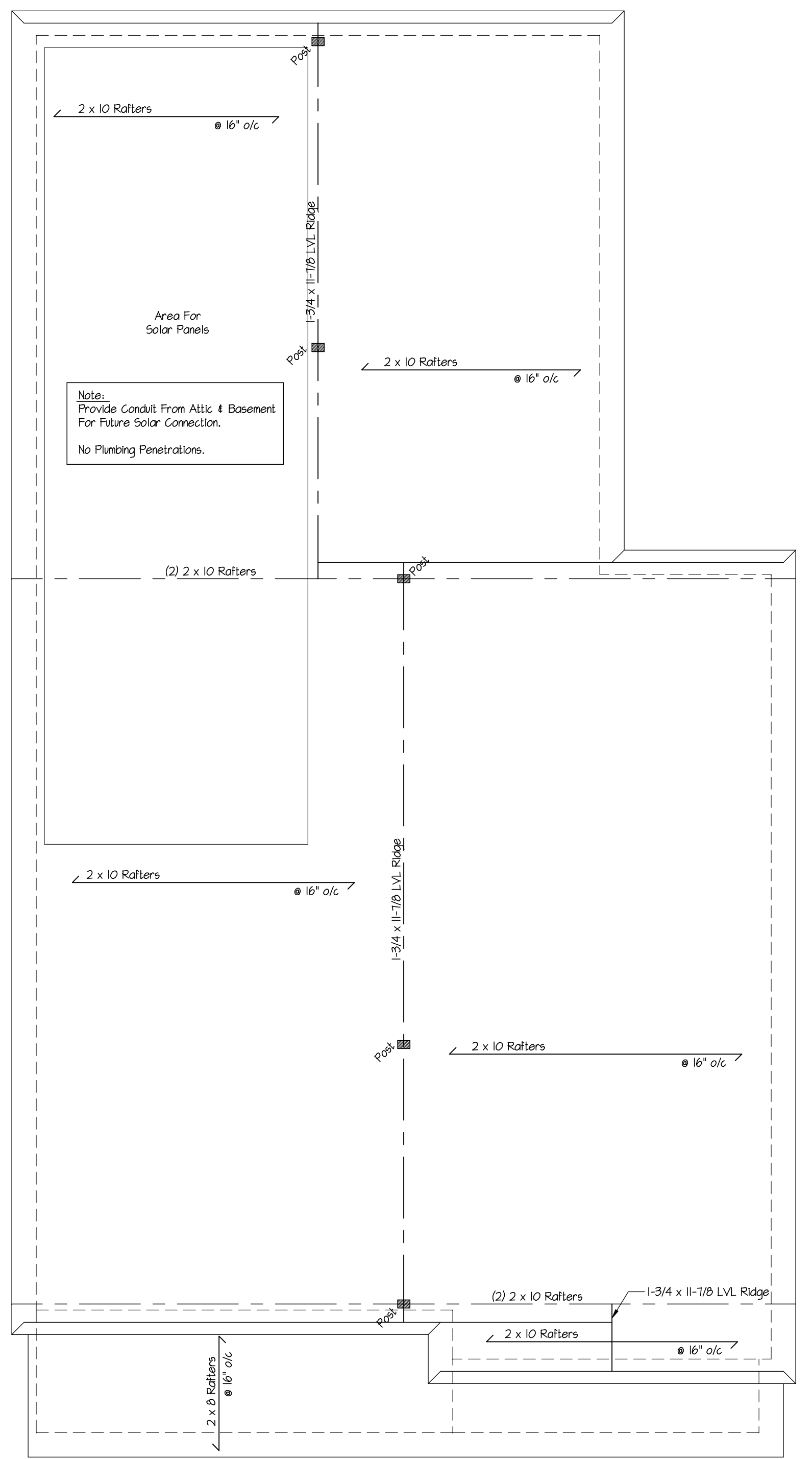
Air Barrier Bathtub On Exterior Wall

Scale: 3/4" = 1'-0"



Rafter Tie Down Detail

Scale: None



Roof Framing Plan

Scale: 1/4" = 1'-0"

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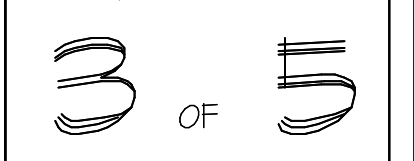


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Residence For:

**73 Melrose Ave
Croton on Hudson, NY**

Revision	Date
	Sept. 22, 2025
Job No	225-110
Drawn	

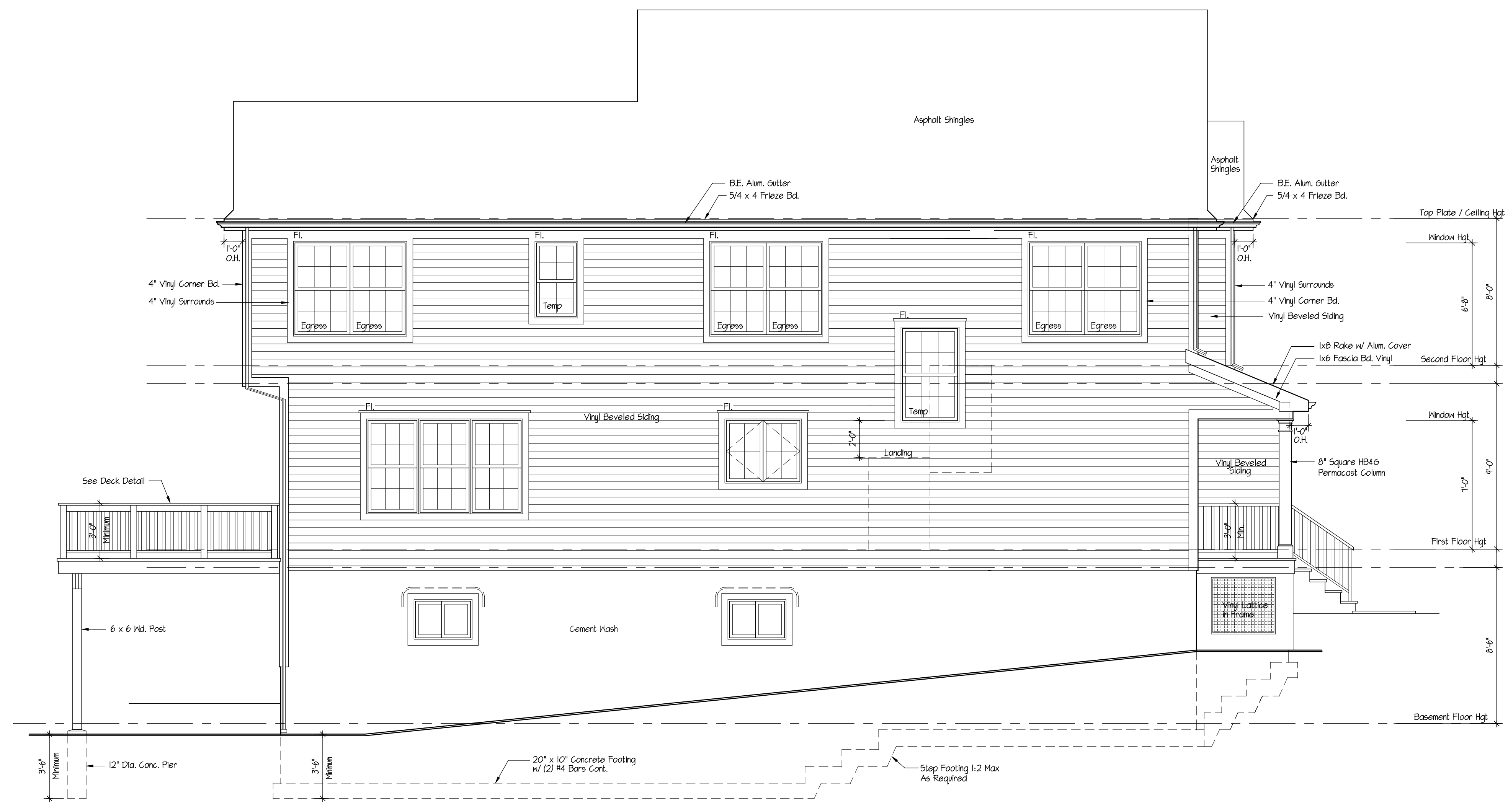


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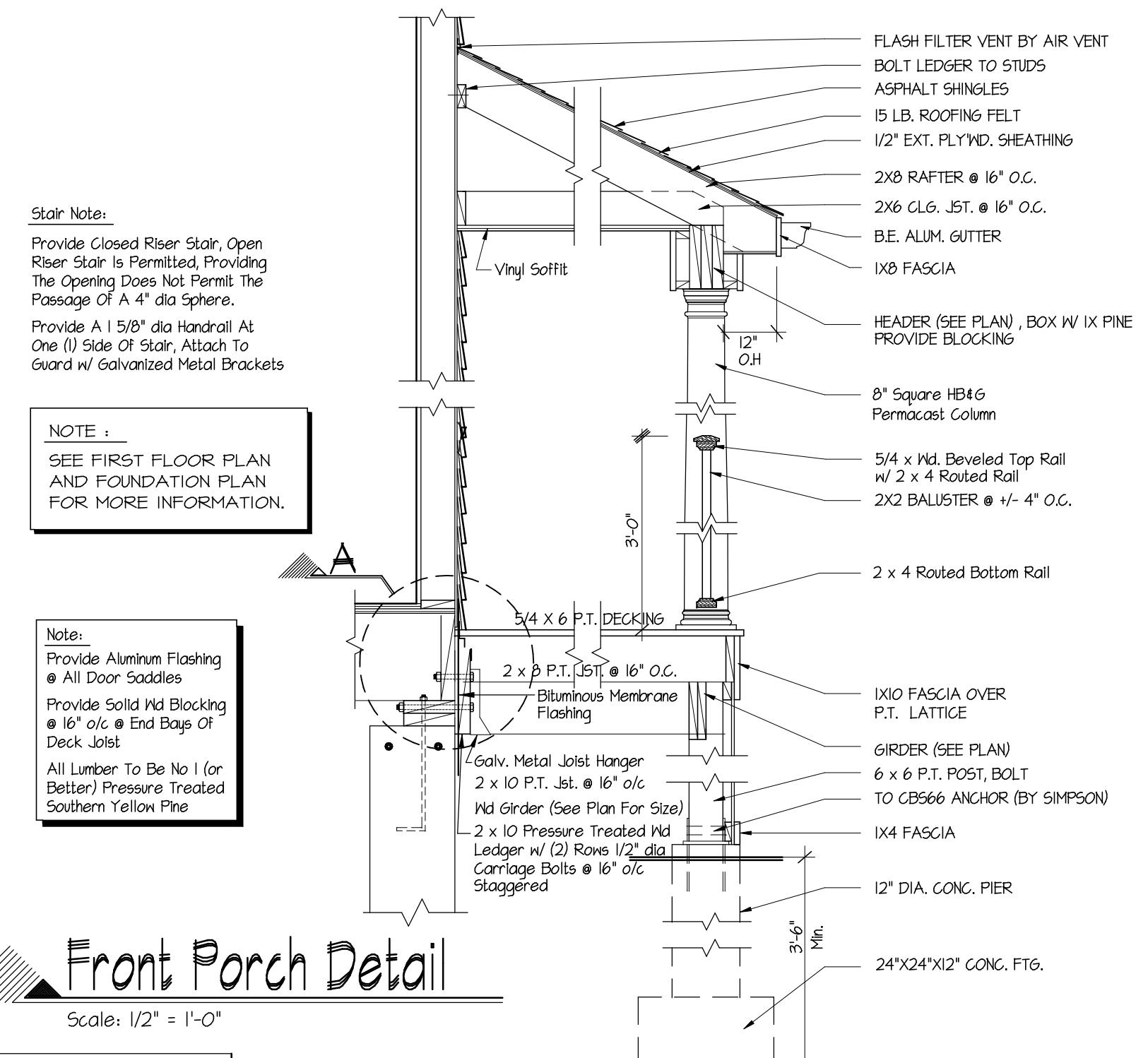


Left Side Elevation
Scale: 1/4" = 1'-0"

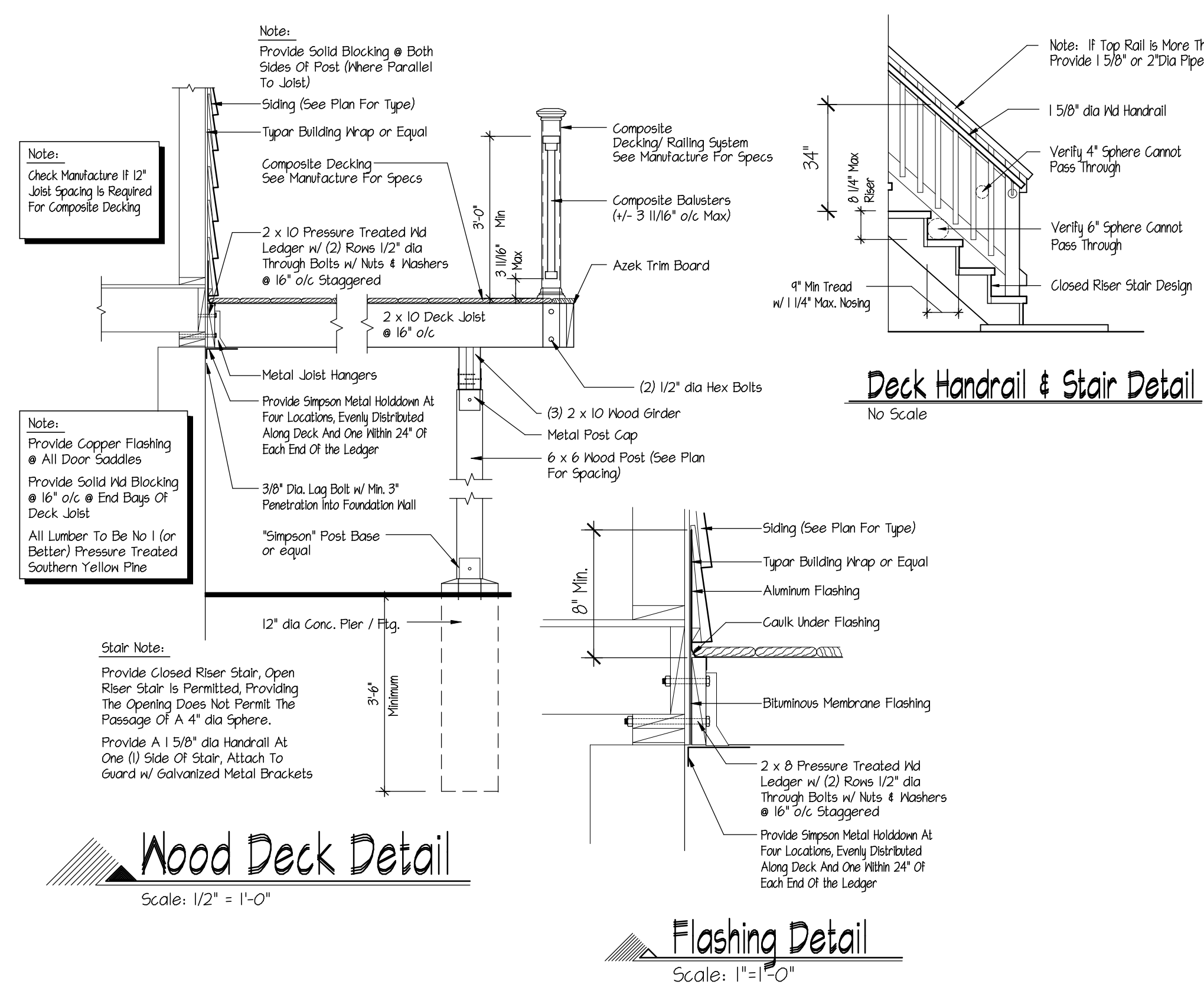
Design Loads:

Required Live Loads:	Provided Design Loads:	Snow Load Reduction
First Floor Loads	Live Load 40 #/sf	Ground Snow Loads Have Been Converted To Roof Snow Loads In Accordance With The Provisions Of ASCE 7.
Second Floor Loads	Live Load 30 #/sf	
Attic Load (w/o Storage)	Live Load 20 #/sf	Pitch Roof Snow Load
Attic Load (w/ Storage)	Live Load 30 #/sf	4-4 28.35
Exterior Balconies	Live Load 60 #/sf	10-11 27
Decks	Live Load 40 #/sf	12 22.1
Garage	Live Load 200 #/sf	13 20
Stairs	Live Load 40 #/sf	14 18.5
	Dead Load 1 #/sf	15-16 11

Refer to section RR301.4 of the 2015 International Residential Code for any additional information.



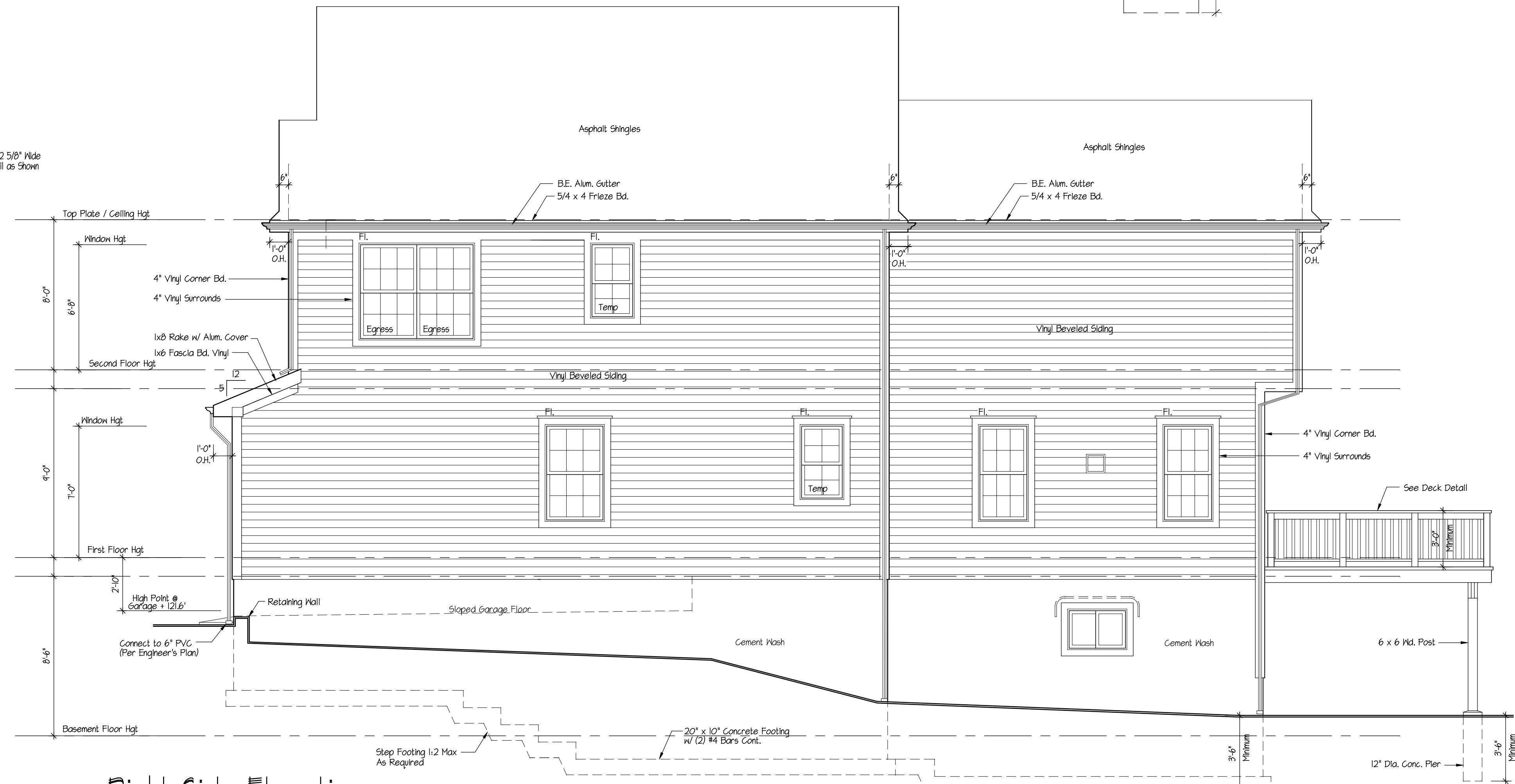
Front Porch Detail
Scale: 1/2" = 1'-0"



Deck Handrail & Stair Detail
No Scale

Wood Deck Detail
Scale: 1/2" = 1'-0"

Flashing Detail
Scale: 1" = 1'-0"



Right Side Elevation
Scale: 1/4" = 1'-0"

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Residence For:
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Croton on Hudson, NY

Revision	Date
Date	Sept. 22, 2025
Job No	225-110
Drawing	4 OF 5

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