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**GENERAL NOTES – IRC 2018/VA UNIFORM BLDG CODE 2018**

1. Design Live Loads: Design Dead Loads:  
 Roof: 30 psf Roof: 10 psf  
 Floor: Floor:  
 Living: 40 psf Living: 20 psf  
 Bedrooms: 30 psf Bedrooms: 20 psf  
 Decks: 60 psf Decks: 20 psf  
 Wind: 115 mph

2. For dimensions not shown, refer to architectural drawings.  
 3. All construction shall be in accordance with the I.R.C. One and Two Family Dwelling Code as prepared by the International Council of Building Officials plus all local building codes and ordinances.  
 4. Contractor is responsible for all temporary shoring and protection required to stabilize and protect construction throughout the course of the project.  
 5. Footings have been designed based on an allowable bearing capacity of 1500 psf.

6. Place footings on firm, dry, non-frozen subgrade. Remove soft soils encountered during excavation for footings. Backfill these excavations and areas requiring structural fill with clean, moist, granular select borrow (type "G", grade V or better in accordance with VDOT Standard Specifications) placed in 8" maximum lifts. Compact to 95% maximum dry density as determined by modified proctor test (ASTM D1557). Backfill and compact evenly on both sides of crawl space and basement walls prior to framing first floor. Do not backfill basement walls until first floor framing has been completed.  
 Crushed Stone: AASHTO #57 aggregate; washed, uniformly graded and free draining. Mechanically compact or roll.

7. Concrete: Comply with American Concrete Institute ACI 301 "Specification for Structural Concrete for Buildings" (latest edition).  
 Compressive strength @ 28 days:  
 Footings – 3000 psi  
 Slabs/Walls – 3500 psi  
 Air Entrainment: ASTM C260. Air entrain all exterior concrete.  
 Reinforcing Steel: ASTM A615, 60 ksi deformed bars.  
 Welded Wire Fabric: ASTM A185  
 Slab Control Joints: Saw cut or form to 1/3 slab depth.  
 Slab Isolation Joints: Pre-molded joint filler. Use around piers and foundation walls.  
 Turn down perimeter of all slabs on grade to 30" below finished grade.

8. Concrete Masonry: Comply with American Concrete Institute ACI 531.11 "Specification for Concrete Masonry Construction" (latest edition).  
 Hollow load bearing (H.L.B.): ASTM C90 Grade N, Type I units.  
 Compressive strength: fm = 1500 psi minimum  
 Mortar: ASTM C270, Type S for foundation and retaining walls.  
 ASTM C270, type N for above grade, load bearing walls.  
 Provide fully bedded joints.  
 Grout: ASTM C476 or 3000 psi concrete with pea gravel per concrete specifications.  
 Horizontal Joint Reinforcing: ASTM A82, galvanized. Provide truss design with 3/16" side rods and 8 gauge cross ties. Provide at 16" o.c. unless otherwise noted. Terminate at wall control joints.  
 Reinforcing Steel: ASTM A615, 60 ksi deformed bars.  
 Control Joints: Preformed neoprene or polyvinyl chloride.

9. Structural Steel: Comply with American Institute of Steel Construction (AISC) "Specification for the Design, Fabrication and Design of Structural Steel for Buildings" (latest edition)  
 Steel Shapes and Plates: ASTM A36  
 Steel Pipe: ASTM A53, Type E or S, Grade B  
 Fasteners: ASTM A325M  
 Anchor Bolts: ASTM A307  
 Primer Paint: Fabricators standard rust inhibiting primer.

Structural tubing shall conform to ASTM A500 GR.B.  
 Full depth connections are to be used on all girder and beam connections to columns. Bolts to be at 3" o.c. vertical.

Provide a minimum 3/8" thick full depth thru-plate for all pipe and tube column connections.  
 Design connections for the minimum shear capacities noted in the AISC beam tables or for the reactions shown on the drawings, whichever is greater.

Galvanize: ASTM A123 for shapes and assemblies, ASTM A153 for fasteners.  
 Use galvanized fasteners when connecting galvanized members. See plan for members to be galvanized.

Welds: Comply with AWS D1.1 "Structural Welding Code"  
 Grout for Base Plates: Non-shrink, high early strength.  
 Punch holes in all steel beams (both flanges and web) for bolting of wood blocking (9/16" dia. Holes at 24" o.c. staggered plus (2) at 3" from each end).

Unless noted otherwise, provide a 3" Steel Lolly Column under each end of each steel beam (match wall thickness). Connect steel to post with (2) 1/2" diameter bolts and welded steel plates as necessary.

10. Wood Framing: Comply with the National Forest Products Association (NFPA) "National Design Specification for Wood Construction" (latest edition).

Wood Framing: #2 S-P-F or better  
 Sheathing: Group 1 wood structural sheathing, minimum span rating of 32/16, exposure 1. Use 3/4" nominal thickness for floor, 7/16" for roofs, and 7/16" for walls, unless otherwise noted. For floors use tongue and groove plywood or O.S.B. glued and nailed. For roofs, use clips at all unsupported butt joints.

Wood exposed to the environment, wood bolted to concrete or masonry and wood designated "IRTD" shall be #2 Southern Pine or better. Pressure impregnated with chromated copper arsenate (CCA) in accordance with American Wood Preservers Association (AWPA) Standard C2, with a minimum retention of 0.40 lbs per cubic foot of wood. The minimum depth of penetration shall be 2.5" or 85% of the sapwood.  
 Treated Plywood: Pressure impregnate exterior grade plywood with chromated copper arsenate (CCA) in accordance with American Wood Preservers Association (AWPA) standard C22, with a minimum retention of 0.60 lbs per cubic foot of wood. The minimum depth of penetration shall be 90% of all veneers. Use where indicated.

11. Engineered Joists: Manufacture and install in accordance with written specifications by Trus Joist MacMillan, Georgia-Pacific or equivalent.

12. LVL and PSL Beams: Manufacture and install in accordance with written specifications by Trus Joist MacMillan or equivalent. Minimum design stresses; Fb: 2900 psi, Fv: 285 psi, E: 2,000,000 psi. Manufacturer to provide and design all beam to beam connections

**FRAMING NOTES**

\*\*\*\*\*

1. Nail in accordance with recommended wood fastening schedule in applicable building code. Provide blocking, bridging, and bracing per same code. At a minimum, provide bridging at each end of joist, and one row of solid bridging at midspan for joists 10' or greater in span (Or per manufacturer's details) Provide solid bridging below all interior bearing partitions.

2. Fasteners: Joist hangers, hurricane clips, post bases, and other framing specialties are to be as manufactured by Simpson, USP or equal, and are to be used only in strict accordance with manufacturer's written specifications and recommendations. All fasteners to be 16 gauge minimum unless noted otherwise. Provide galvanized finish unless noted otherwise. At owner's option, provide stainless steel fasteners in all exterior applications (G.C. to provide price for SS fasteners).

3. Framing Anchors and Hold Downs:  
 4. Joist hangers: Minimum 16 gauge, size and profile to suit application (unless otherwise noted). Provide hangers for all flush framed joists.

5. All columns in interior walls to be (3) 2 x 4 unless otherwise noted. Nail each face of each stud to adjacent stud with (2) 10d nails at 6" o.c. Nail sheathing to each edge of each ply of built-up column at 6" o.c. vertically.

6. All columns in exterior walls to be (3) 2 x 6 unless otherwise noted. Nail each face of each stud to adjacent stud with (2) 10d nails at 6" o.c. Nail sheathing to each edge of each ply of built-up column at 6" o.c. vertically.

7. All exterior posts to be treated 6 x 6 (U.N.O.). Notch top of post for beam bearing (3" max) and thru bolt beam to post with (2) 1/2" dia. galvanized bolts. As an alternate, provide column cap connection with Simpson AC series or equivalent.

8. Provide knee braces on decks where shown. Let knee brace into beam 1" and provide (2) 3/8" diameter lag bolts. Let knee brace into column and provide 1/2" diameter thru bolt.

9. Provide solid blocking below all columns, to transfer load directly to framing.

10. Provide double joist under all partitions parallel to joist span.

11. Provide double joist around all floor and roof openings (U.N.O.).

12. All multi-ply beams shall be nailed with 3 rows of 10d nails at 8" o.c. staggered. Beams loaded on one face only shall be bolted with 1/2" dia. bolts at 16" o.c. staggered (U.N.O.).

13. Balloon frame all end walls with cathedral ceilings (U.N.O.).

14. Fasten gable end wall studs to ceiling diaphragm by fastening nailer to each stud and by fastening ceiling to nailer with 8d nails at 6" o.c.

15. Where decks fasten to house framing, provide continuous treated ledger thru bolted to floor structure with two 1/2" diameter bolts at 16" o.c. Provide hot dipped galvanized joist hangers to ledger.

16. Entire "lower" roof is to be sheathed prior to installing overframing.

17. All flush framed PSL beam to PSL beam connections to be fastened with beam hangers to be designed and provided by PSL manufacturer, unless a specific connector is called for.

18. All exterior walls, unless otherwise noted, to be 2 x 4 studs at 16" o.c. with 7/16" group 1 A.P.A. rated structural sheathing. Block all unsupported edges. Nail all panel edges with 8d nails at 4" o.c. and intermediate studs with 8d nails at 6" o.c.

21. Lintel schedule unless otherwise noted on plan:

2 x 6 walls	Rough Opening	Lintel
	4'-0	(3) 2 x 8 with 2 layers of 7/16" plywood
	6'-0	(3) 2 x 10 with 2 layers of 7/16" plywood
	>6'-0	(3) 2 x 12 with 2 layers of 7/16" plywood

2 x 4 walls	Rough Opening	Lintel
	4'-0	(2) 2 x 8 with 1 layer of 7/16" plywood
	6'-0	(2) 1 3/4"x11 7/8" LVL with 1 layer of 7/16" plywood
	>6'-0	(2) 1 3/4"x11 7/8" LVL with 1 layer of 7/16" plywood

Veneer Lintel schedule unless otherwise noted on plan:

Rough Opening UP TO 4'-0 4'-0 – 6'-0 6'-0 – 8'-0 UP TO 12'-0	Lintel	L L H
	6 x 4 x 3/8"	L L H
	6 x 4 x 3/8"	L L H
	6 x 4 x 3/8"	L L H
	8 x 6 x 7/16"	L L V

# CORBISIERO RESIDENCE

## OLD STONEHOUSE ROAD MARSHALL, VA 20115 FAUQUIER COUNTY



Project: Corbisiero Residence

Energy Code: 2018 IECC  
 Location: Fauquier County, Virginia  
 Construction Type: Single-Family  
 Project Type: New Construction  
 Conditioned Floor Area: 3,920 ft2  
 Glazing Area: 22%  
 Climate Zone: 4 (4999 HDD)  
 Permit Date:  
 Permit Number:

Owner/Agent: Old Stonehouse Road, Marshall, Virginia 20115

Designer/Contractor: S.E. Wagner, Architect, 6491 Main Street, The Plains, Virginia 20198

**Compliance: Passes using UA trade-off**

Compliance: 3.9% Better Than Code Maximum UA: 483 Your UA: 464 Maximum SHGC: 0.40 Your SHGC: 0.25

This is Better or Worse Than Code Index reflects how close to compliance the house is based on code trade-off rules. It DOES NOT provide an estimate of energy use or cost relative to a minimum code home.

Slab-on-grade tradeoffs are no longer considered in the UA or performance compliance path in REScheck. Each slab-on-grade assembly in the specified climate zone must meet the minimum energy code insulation R-value and depth requirements.

**Envelope Assemblies**

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Prop. U-Factor	Req. U-Factor	Prop. UA	Req. UA
Ceiling: Flat Ceiling or Scissor Truss	1,945	38.0	0.0	0.030	0.026	58	51
Wall: Wood Frame, 16" o.c.	2,712	19.0	0.0	0.060	0.060	129	129
Door: Glass Door (over 50% glazing) SHGC: 0.14	192			0.300	0.320	58	61
Window: Vinyl Frame SHGC: 0.31	366			0.300	0.320	110	117
Floor 1: All-Wood Joist/Truss	21	30.0	0.0	0.033	0.047	1	1
Floor (Areaway): Slab-On-Grade (Unheated) Insulation depth: 4.0'	4		10.0	0.640	0.700	0	0
Unfinished Basement: Solid Concrete or Masonry Wall height: 9.0' Depth below grade: 8.0' Insulation depth: 9.0'	549	0.0	11.0	0.055	0.059	29	31
Door 1: Glass Door (over 50% glazing) SHGC: 0.14	20			0.290	0.320	6	6
Basement Wall: Solid Concrete or Masonry Wall height: 9.0' Depth below grade: 8.0' Insulation depth: 9.0'	1,452	0.0	13.0	0.049	0.059	71	85
Window: Vinyl Frame SHGC: 0.31	6			0.300	0.320	2	2

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2018 IECC requirements in REScheck Version : REScheck-Web and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Name - Title Signature Date

### DRAWING INDEX

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**SQUARE FOOTAGE**

FIRST FLOOR =	1,923 SQ. FT.
SECOND FLOOR =	531 SQ. FT.
TOTAL =	2,454 SQ. FT.
FINISHED BASEMENT =	1,466 SQ. FT.
TOTAL FINISHED =	3,920 SQ. FT.
UNFINISHED BASEMENT =	457 SQ. FT.
3-CAR GARAGE =	619 SQ. FT.
FRONT COVERED PORCH =	645 SQ. FT.
REAR SCREENED PORCH =	272 SQ. FT.
CONCRETE PATIO =	160 SQ. FT.

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**REVISIONS**

DATE	REMARKS

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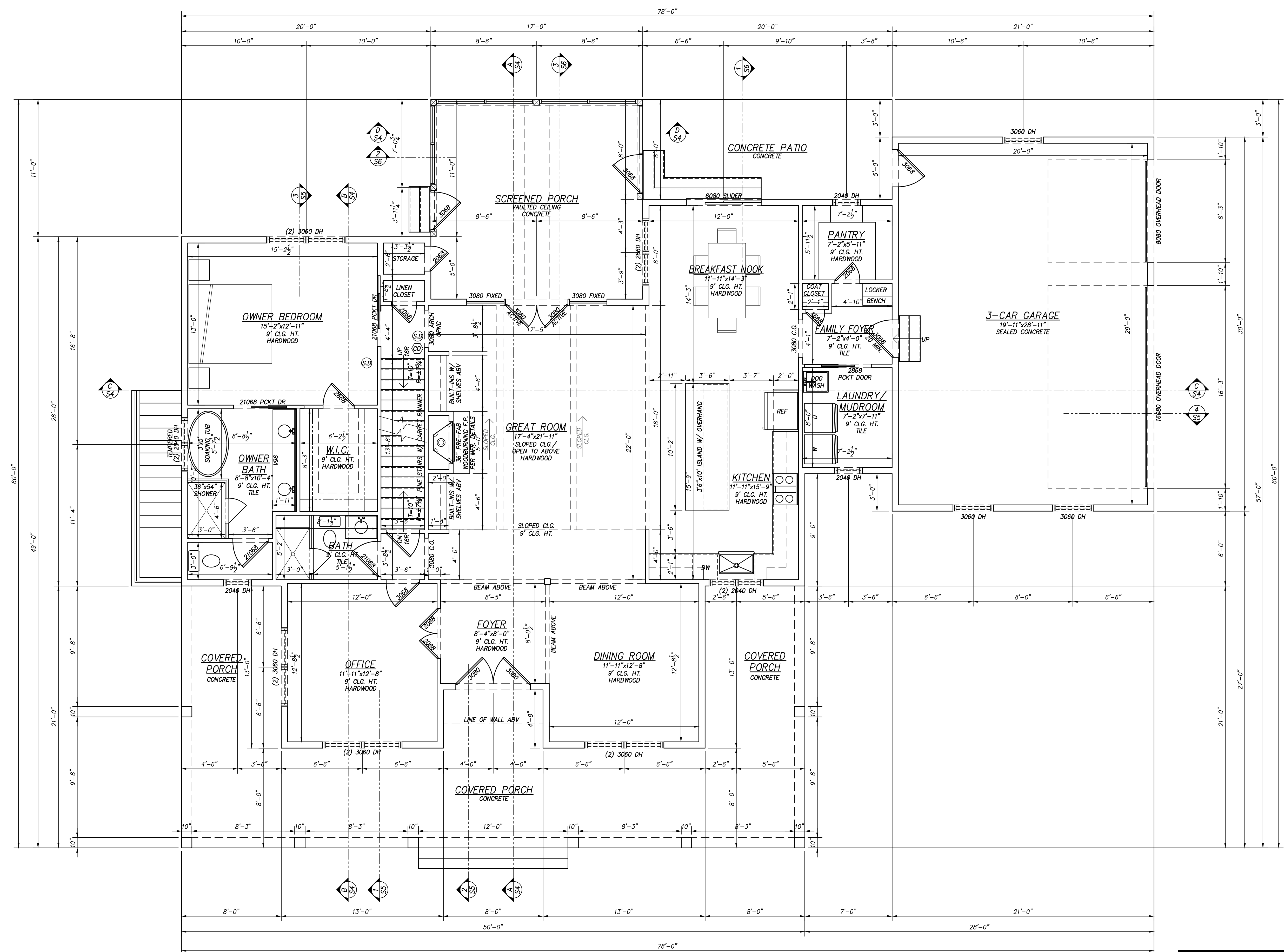
**CORBISIERO RESIDENCE**  
 OLD STONEHOUSE ROAD  
 FAUQUIER COUNTY  
 MARSHALL, VIRGINIA

COVER SHEET/FRAMING NOTES

DATE 10-26-22 SHEET NO. CS



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**FIRST FLOOR PLAN**  
SCALE: 1/4"=1'-0"

- SD - SMOKE DETECTOR HARD-WIRED W/BATTERY BACK-UP
- CO - CARBON MONOXIDE DETECTOR HARD-WIRED W/BATTERY BACK-UP

REVISIONS	
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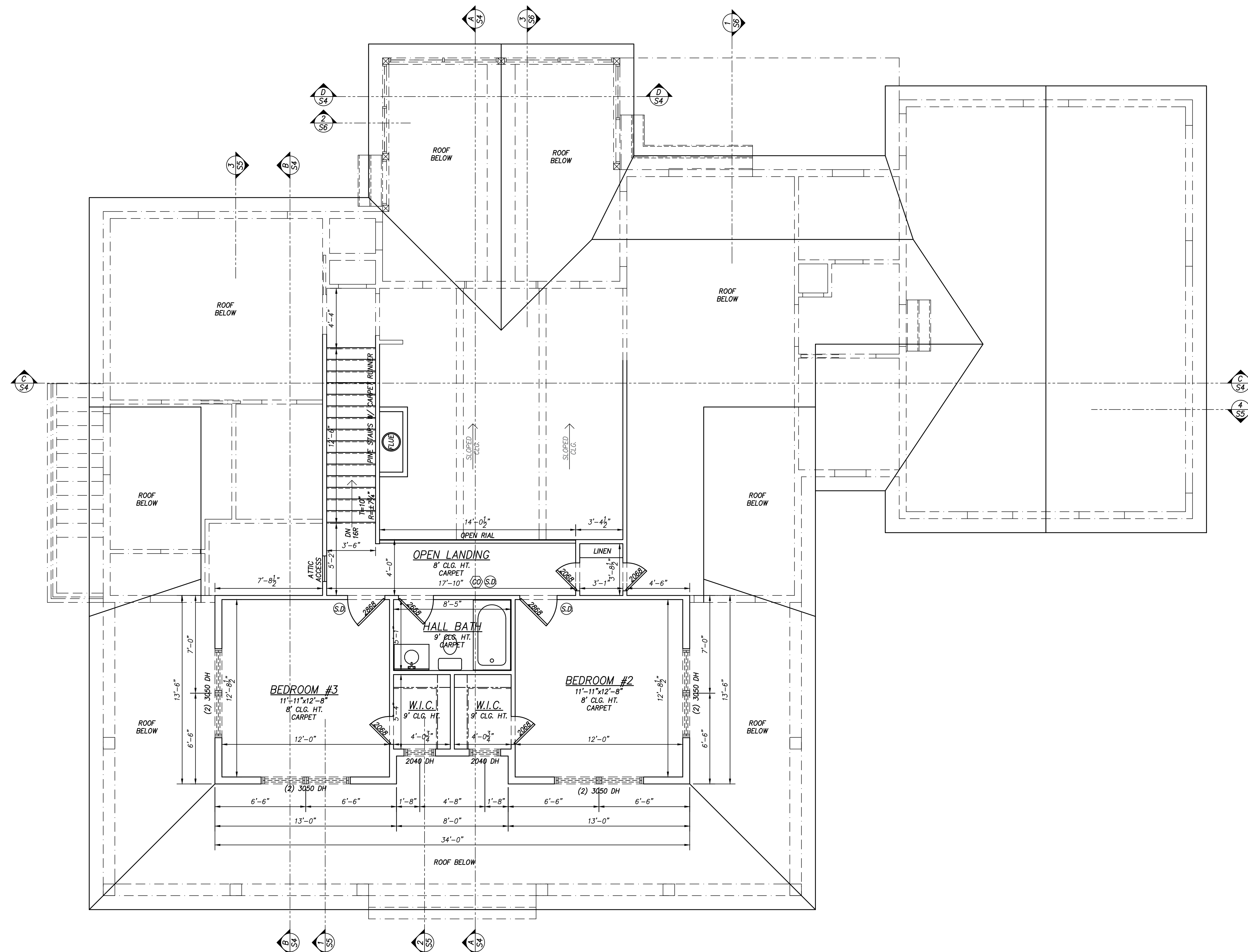
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 MARSHALL VIRGINIA  
 FIRST FLOOR PLAN

DATE: 10-26-22      SHEET NO. **A1**

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**SECOND FLOOR PLAN**

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

- SD - SMOKE DETECTOR HARD-WIRED W/BATTERY BACK-UP
- CO - CARBON MONOXIDE DETECTOR HARD-WIRED W/BATTERY BACK-UP

REVISIONS	
DATE	REMARKS

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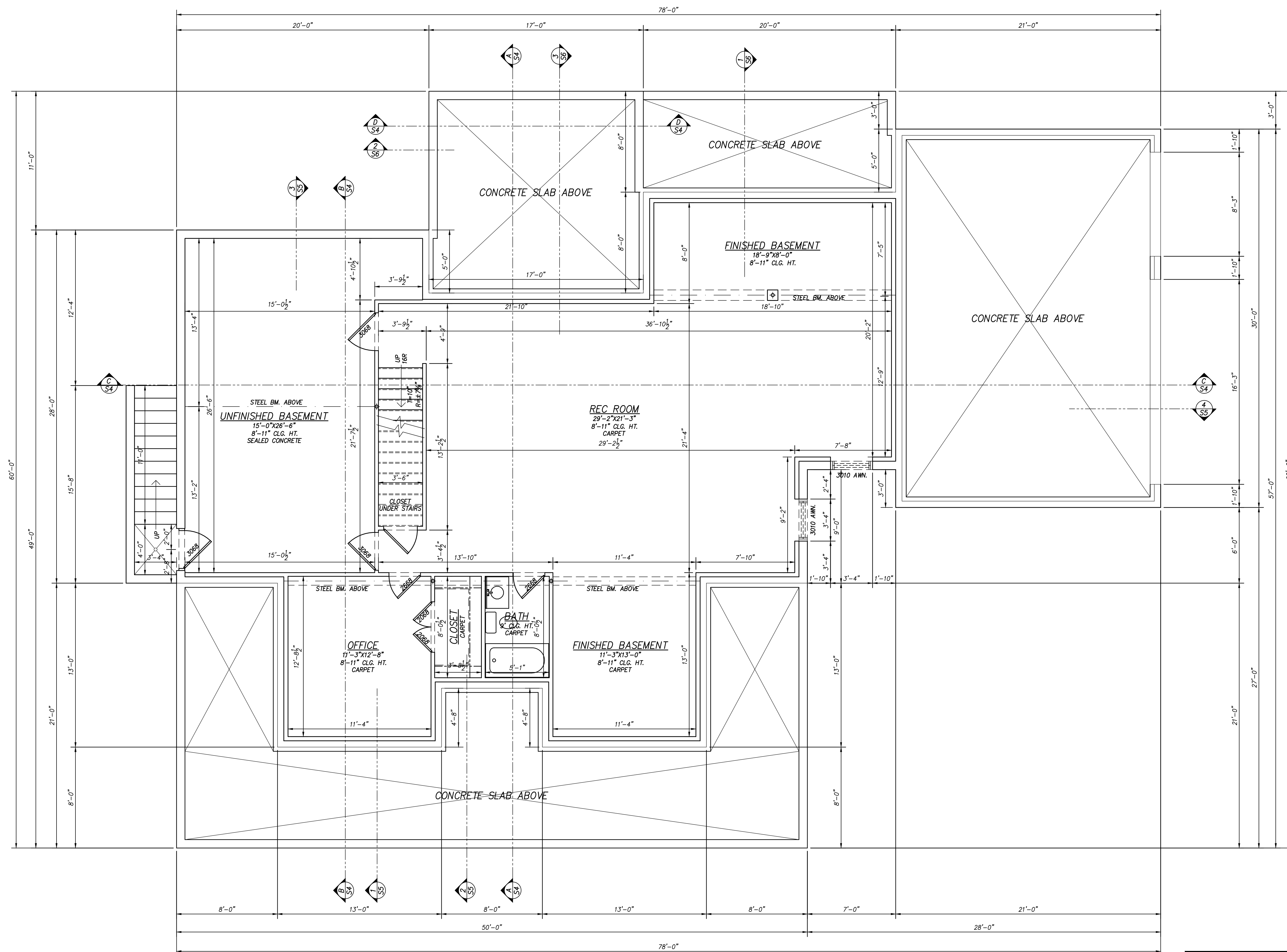
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 MARSHALL VIRGINIA  
 SECOND FLOOR PLAN

DATE: 10-26-22  
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**BASEMENT PLAN**

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

- (SD) - SMOKE DETECTOR HARD-WIRED W/BATTERY BACK-UP
- (CO) - CARBON MONOXIDE DETECTOR HARD-WIRED W/BATTERY BACK-UP

REVISIONS	
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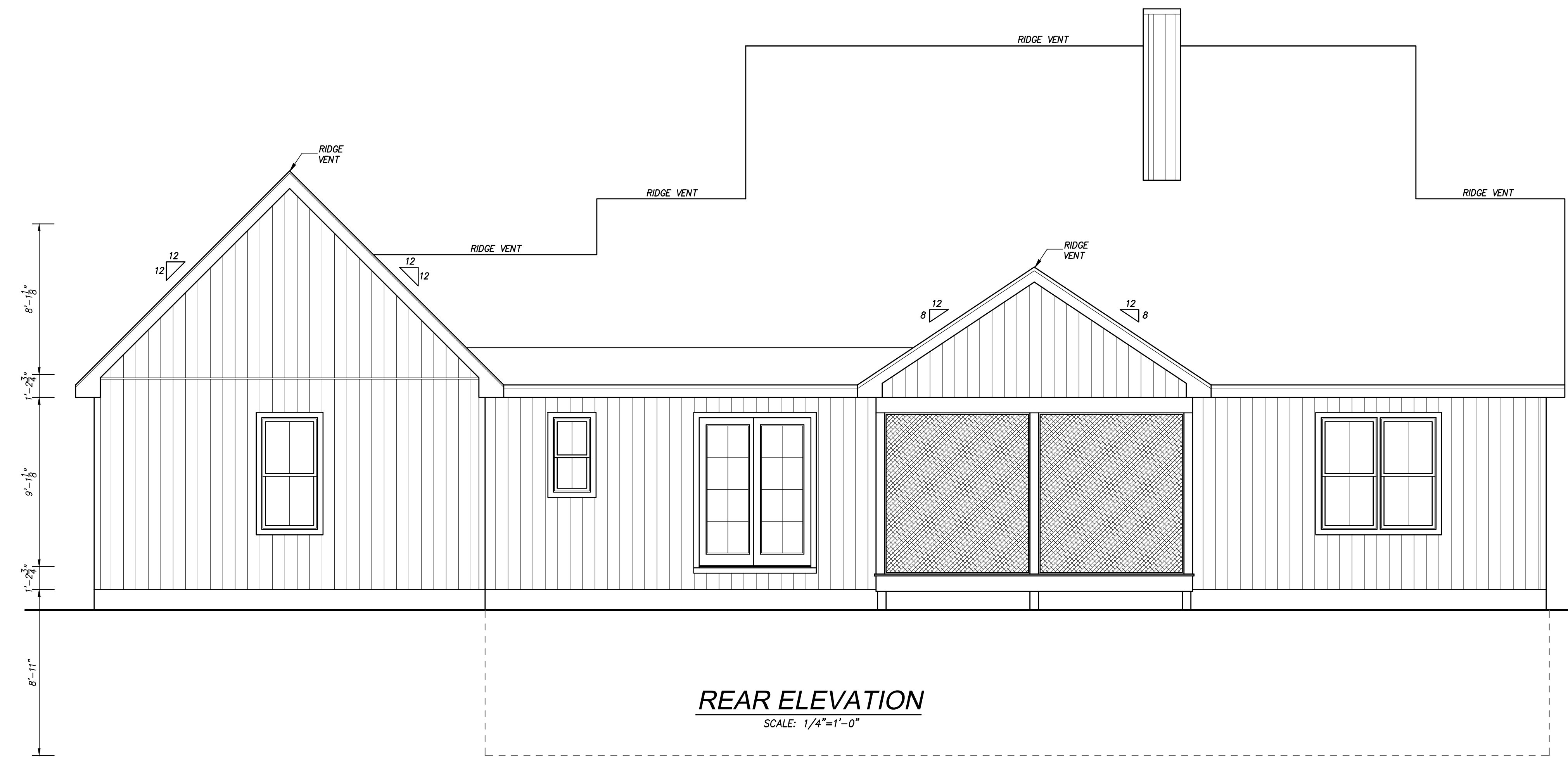
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 BASEMENT PLAN

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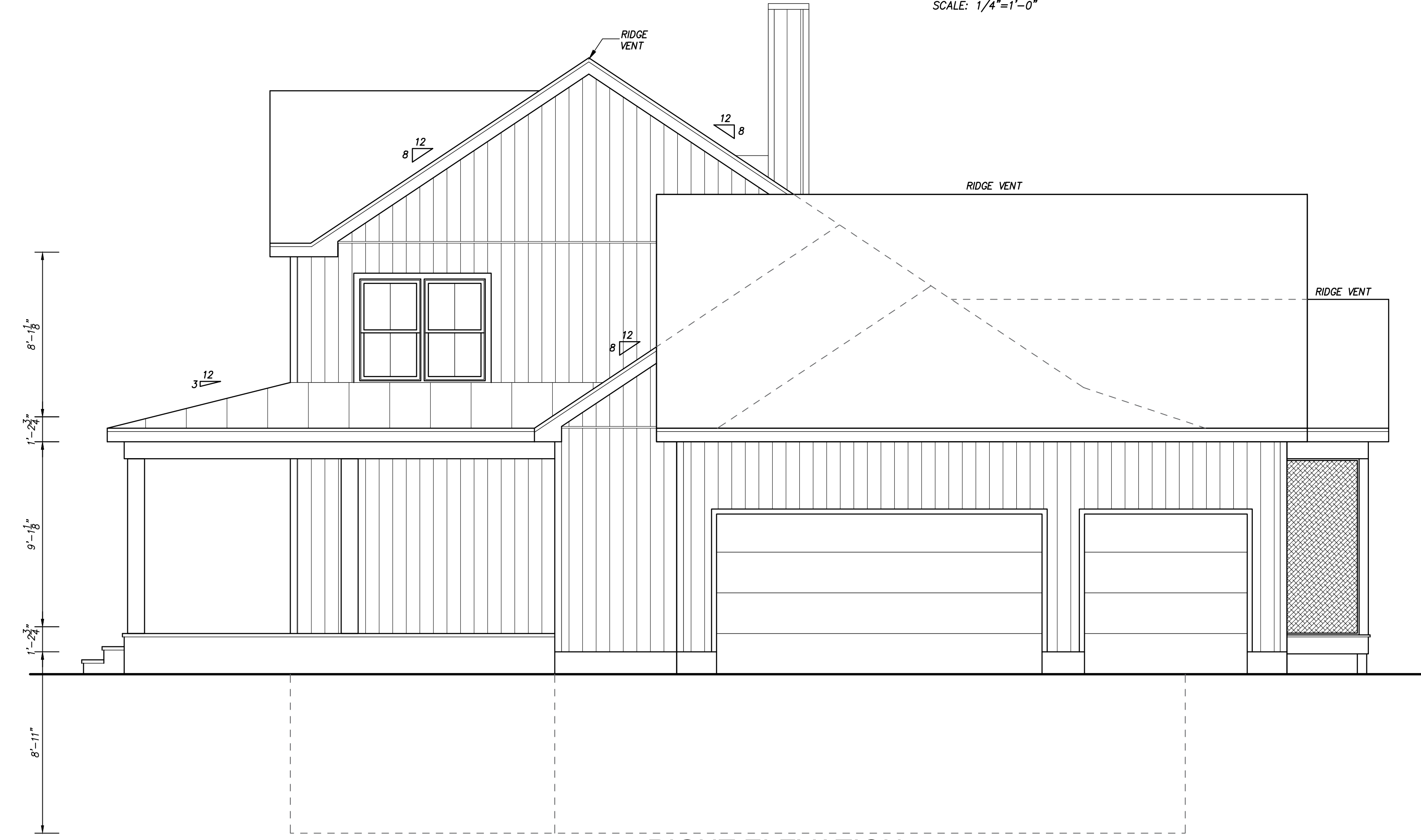
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 FRONT & REAR ELEVATIONS

DATE 10-26-22 SHEET NO. A4

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**LEFT ELEVATION**  
SCALE: 1/4"=1'-0"



**RIGHT ELEVATION**  
SCALE: 1/4"=1'-0"

REVISIONS	
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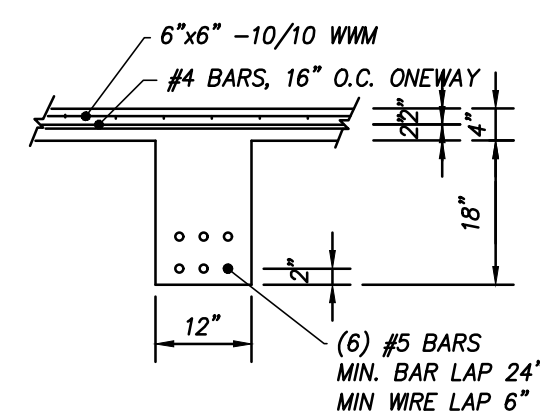
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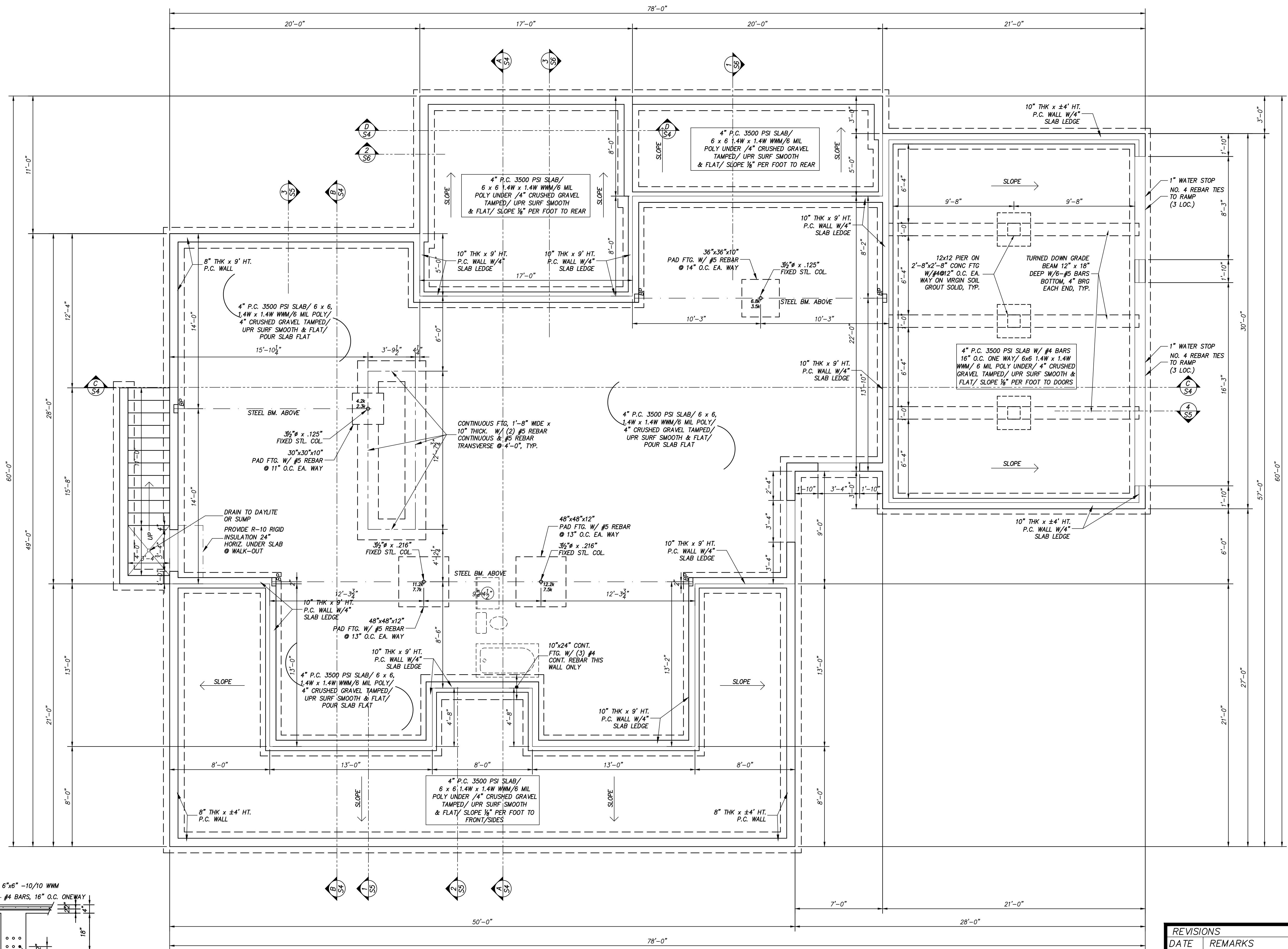
**CORBISIERO RESIDENCE**  
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 FAUQUIER COUNTY  
 MARSHALL VIRGINIA  
 RIGHT & LEFT ELEVATIONS

DATE 10-26-22 SHEET NO. A5

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**1 GRADE BEAM DETAIL**  
SCALE: 1/2"=1'-0"



NOTE: TYPICAL FTG. SIZE IS 10"x20" CONT. CONC. FTG. W/ (2) #4 REBAR CONT., U.N.O.

**FOUNDATION PLAN**  
SCALE: 1/4"=1'-0"

REVISIONS	
DATE	REMARKS

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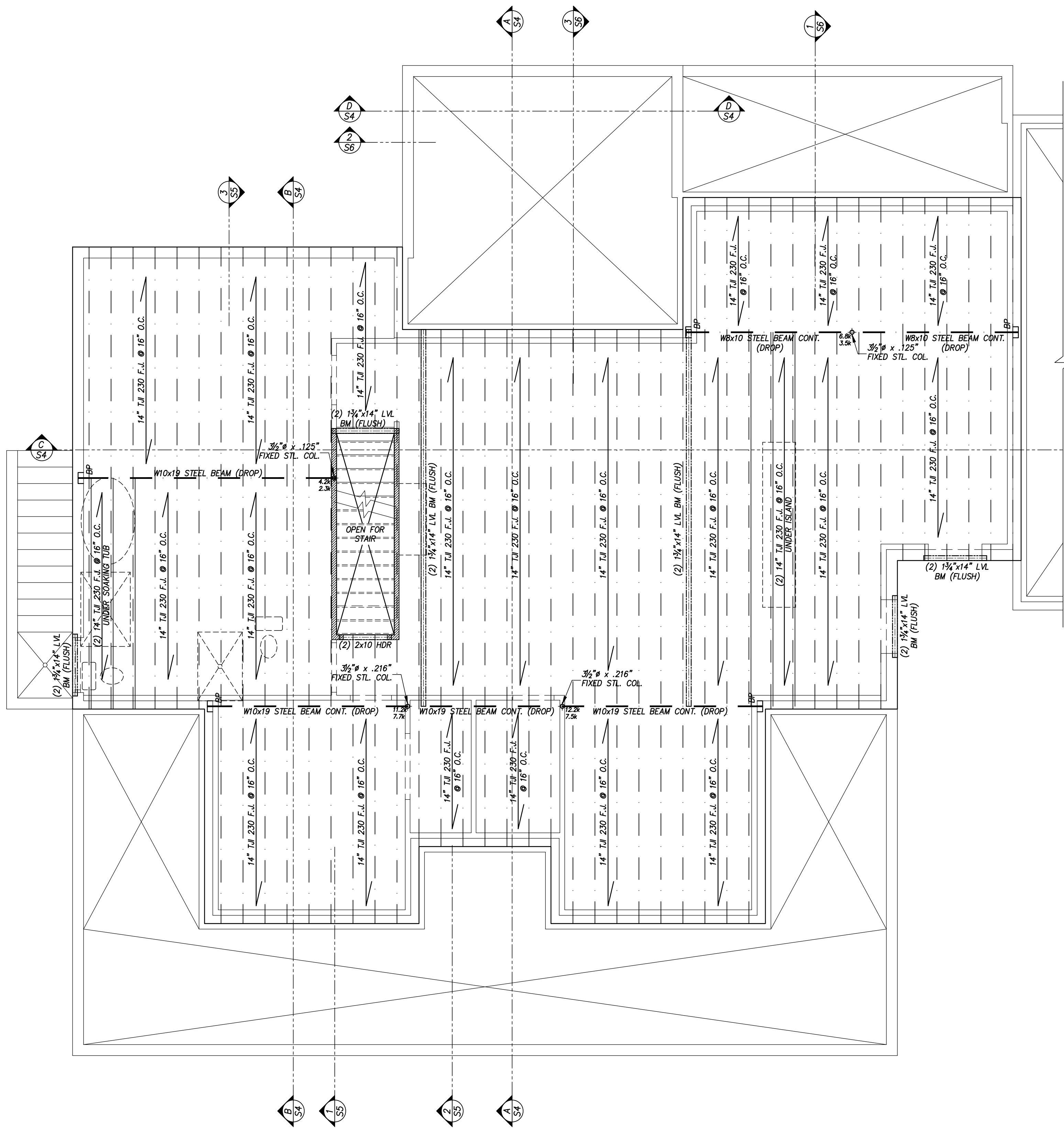
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 MARSHALL VIRGINIA  
 FOUNDATION PLAN

DATE: 10-26-22 SHEET NO. **S1**



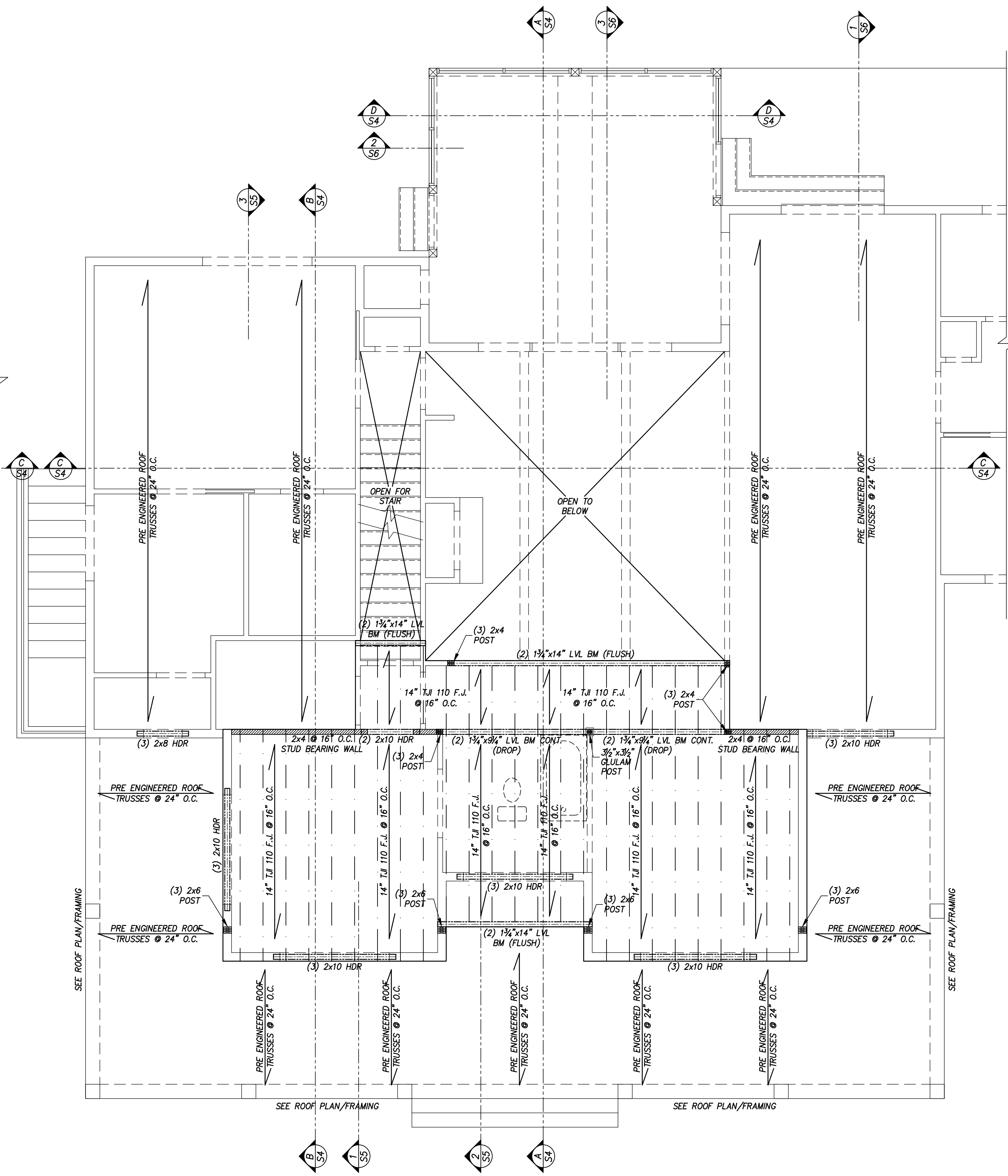
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**FIRST FLOOR FRAMING PLAN**

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

NOTE: SCHEMATIC ONLY, ALL TRUSSES TO BE INSTALLED PER FINAL LAYOUT FROM SUPPLIER



**SECOND FLOOR FRAMING PLAN**

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

NOTE: SCHEMATIC ONLY, ALL TRUSSES/JOISTS TO BE INSTALLED PER FINAL LAYOUT FROM SUPPLIER

REVISIONS	
DATE	REMARKS

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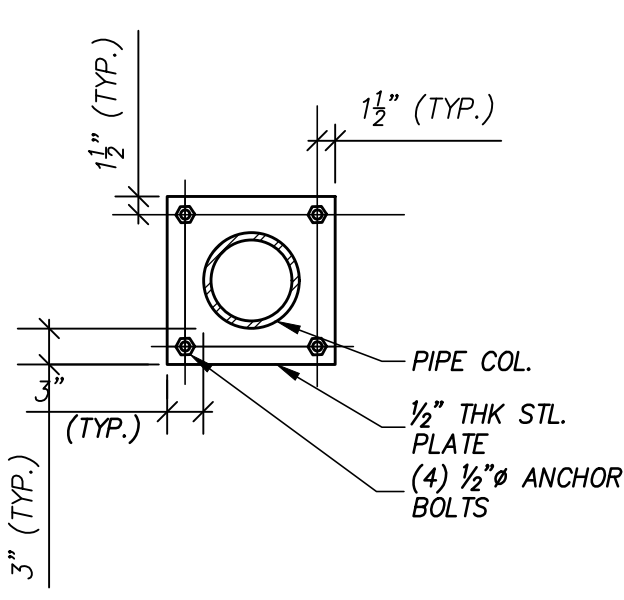
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**CORBISIERO RESIDENCE**  
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 FAUQUIER COUNTY  
 MARSHALL VIRGINIA  
 FIRST & SECOND FLOOR  
 FRAMING PLANS

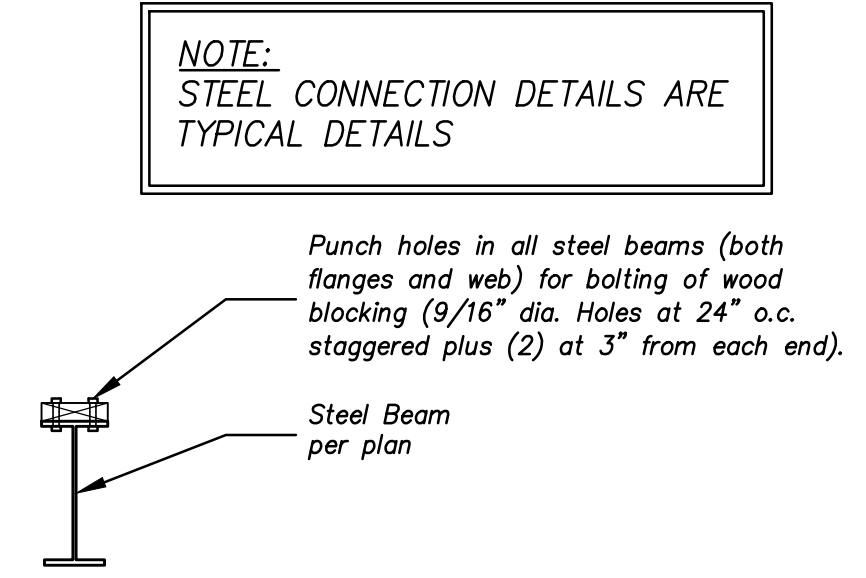
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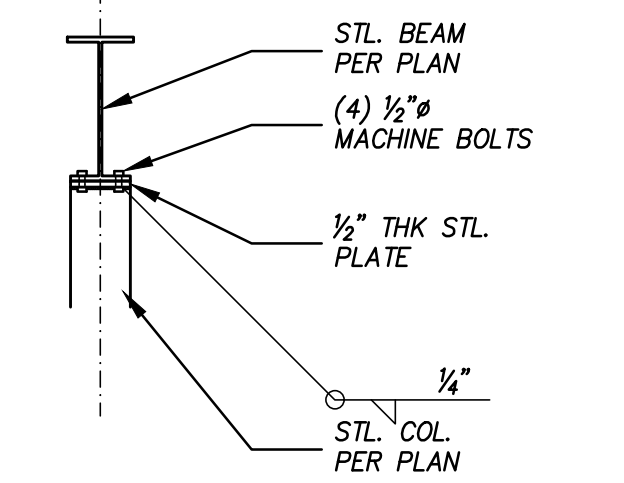
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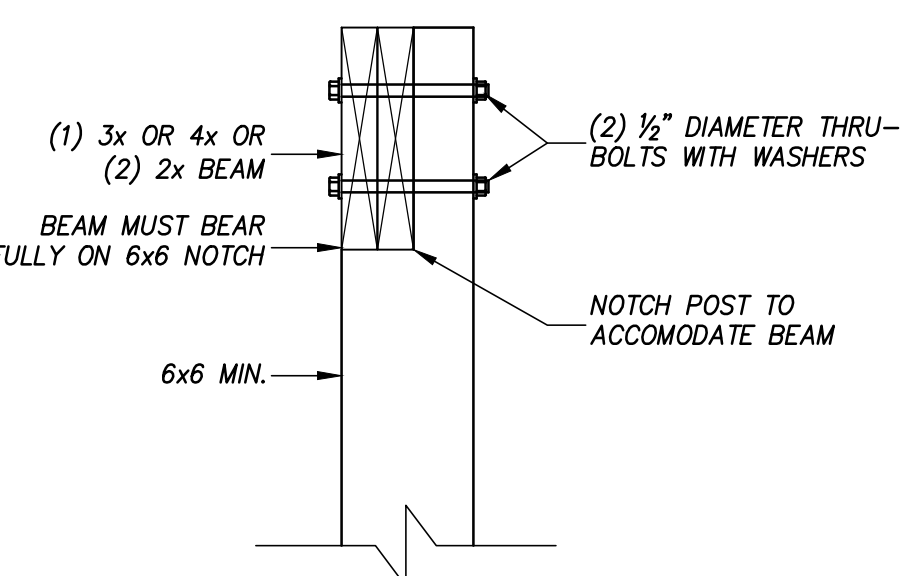
**1 TYP. BASE PL DETAIL**  
S3 SCALE: 3/4"=1'-0"



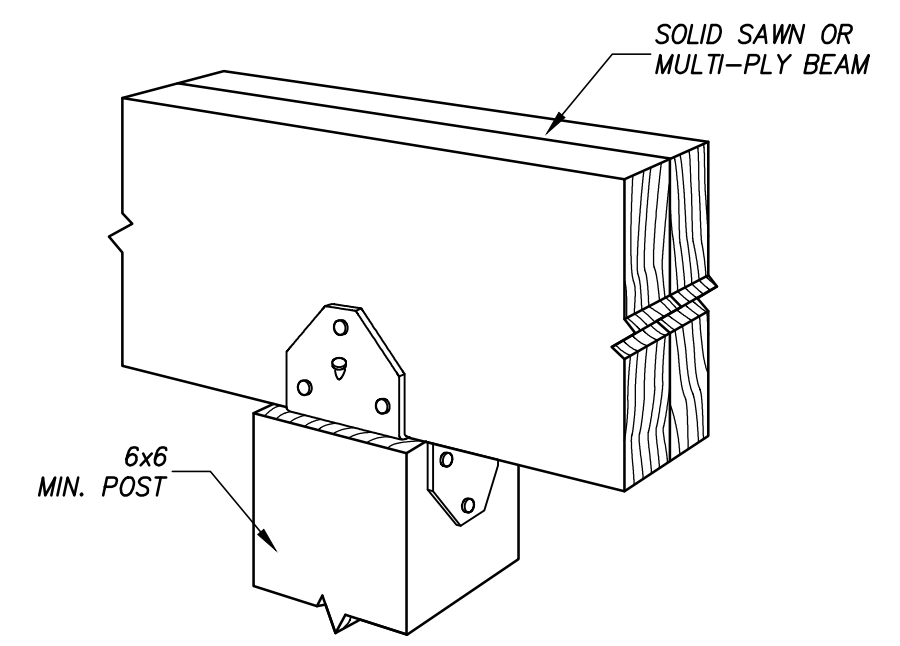
**2 WOOD BLOCKING DETAIL**  
S3 SCALE: 3/4"=1'-0"



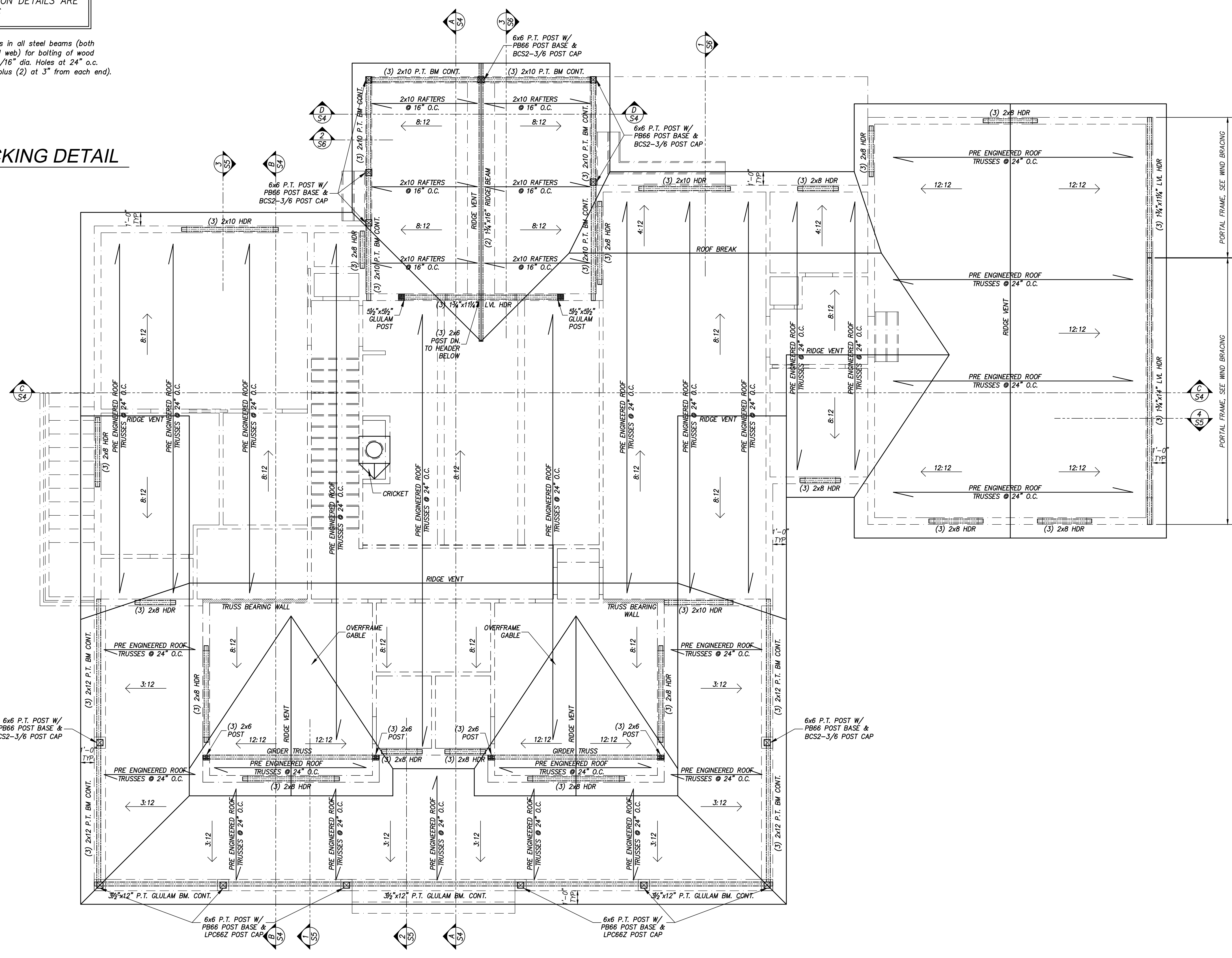
**3 TYP. CAP PL DETAIL**  
S3 SCALE: 3/4"=1'-0"



**4 TYPICAL POST TO BEAM ATTACHMENT**  
S3 SCALE: 1/2"=1'-0"



**5 ALTERNATE POST TO BEAM ATTACHMENT**  
S3 SCALE: 1/2"=1'-0"



**ROOF PLAN/ROOF FRAMING**  
SCALE: 1/4"=1'-0"  
NOTE: SCHEMATIC ONLY, ALL TRUSSES TO BE INSTALLED PER FINAL LAYOUT FROM SUPPLIER

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DATE	REMARKS

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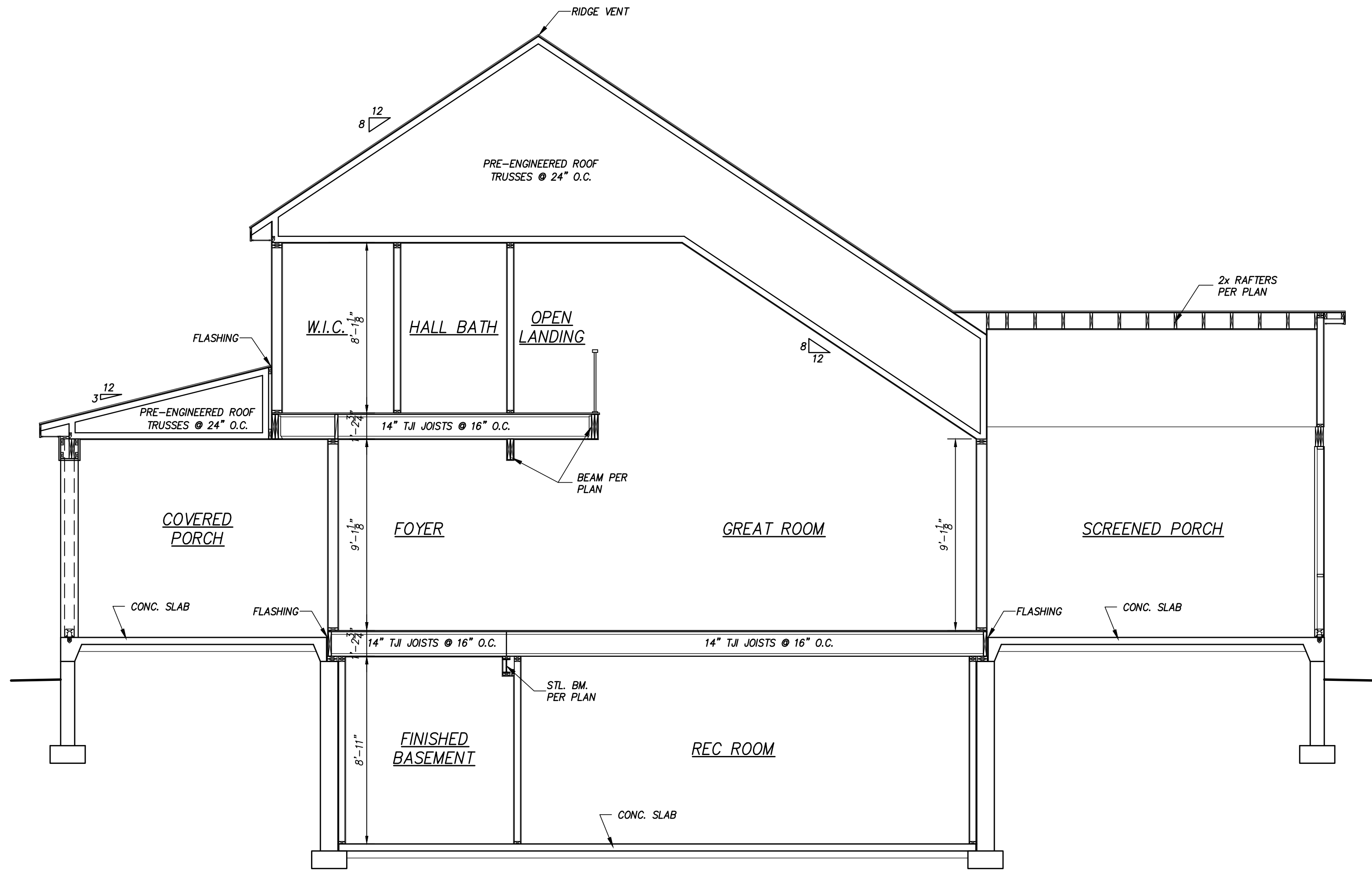
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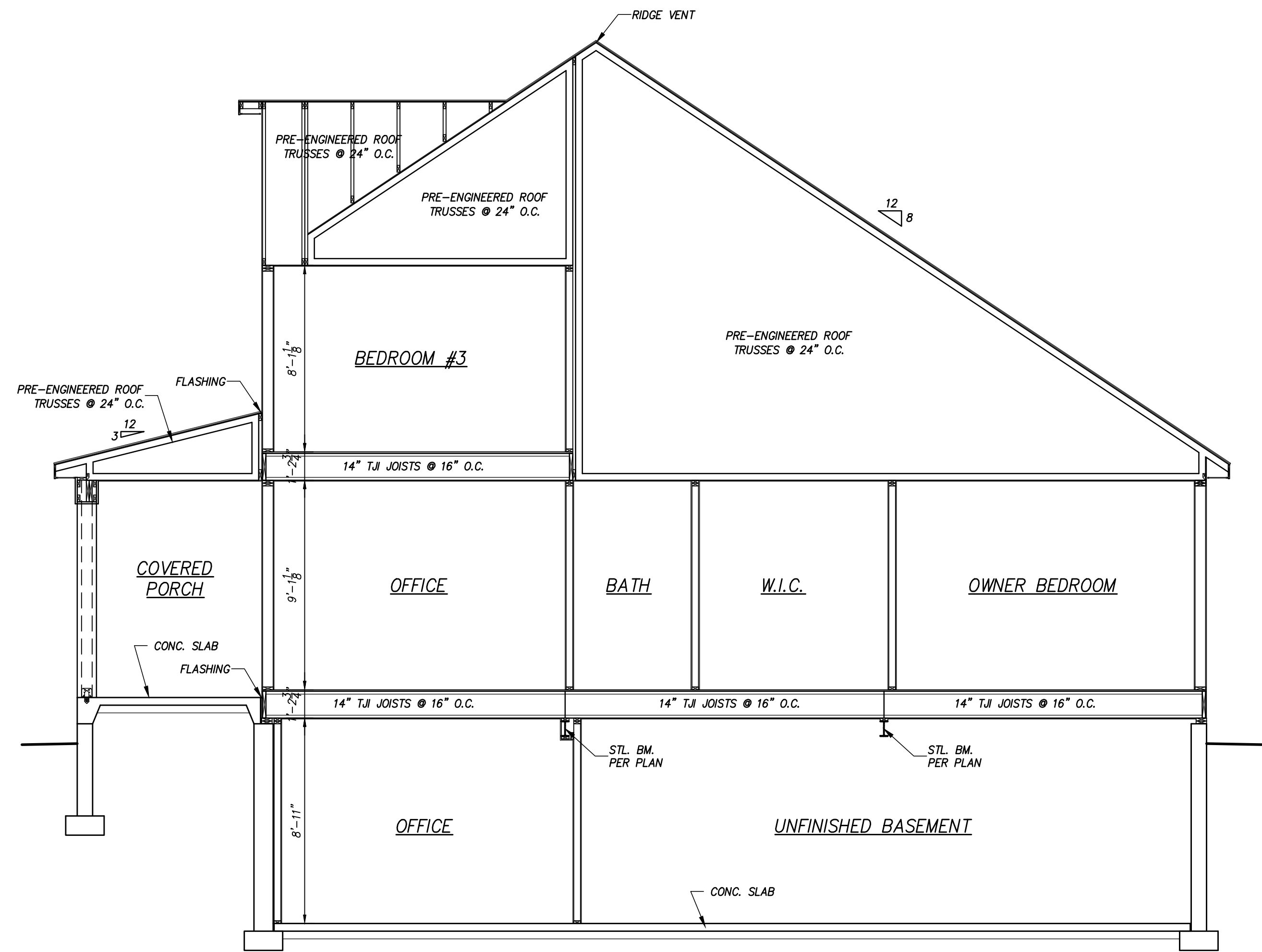
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 FAUQUIER COUNTY  
 MARSHALL VIRGINIA  
 ROOF PLAN/ROOF FRAMING

DATE 10-26-22 SHEET NO. S3

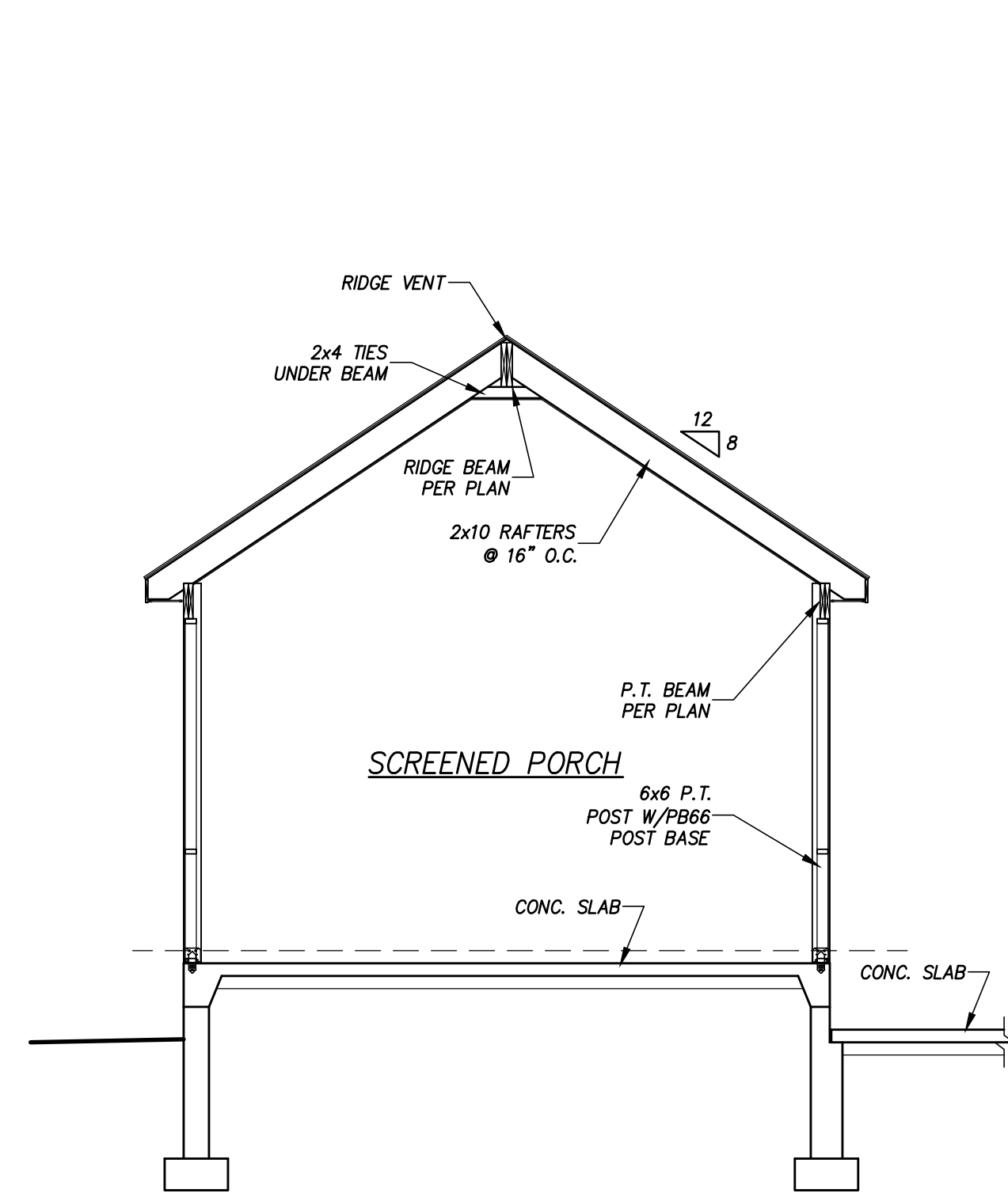
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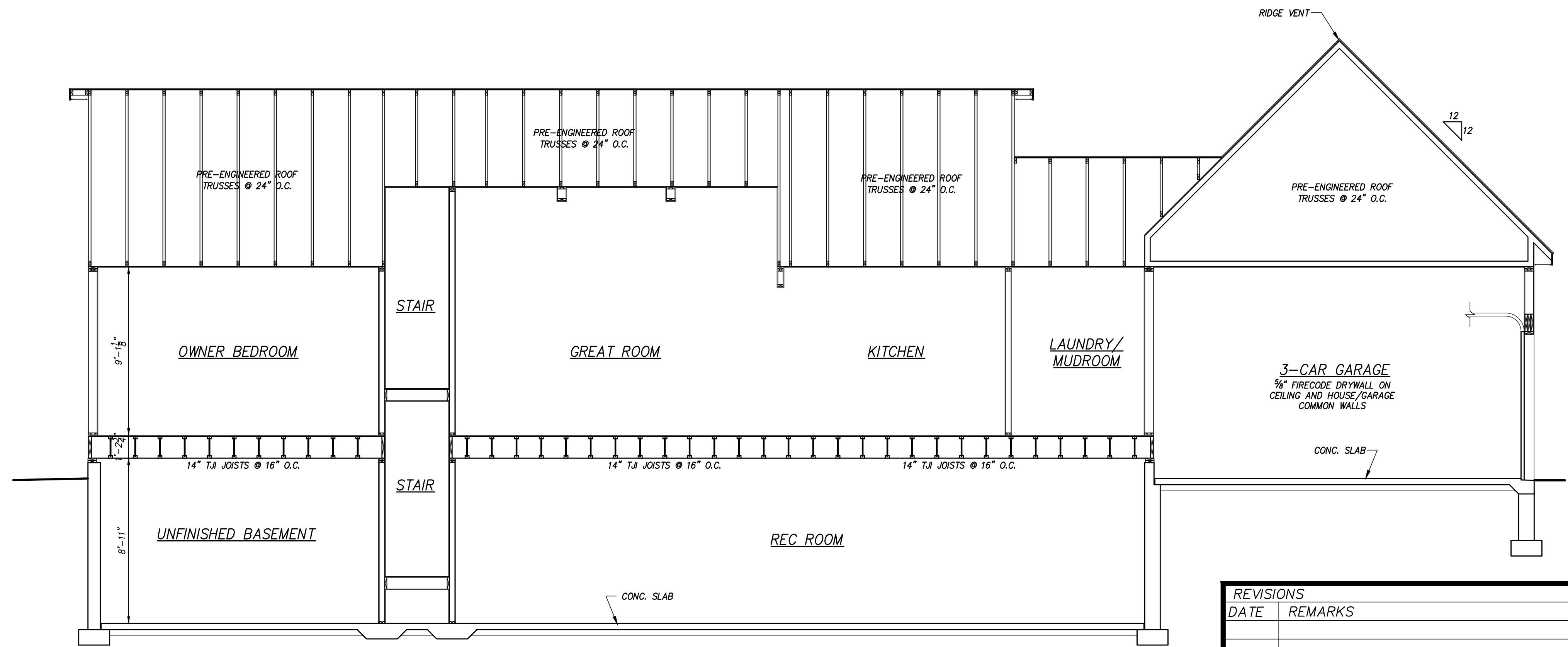
**CROSS SECTION A**  
SCALE: 1/4"=1'-0"



**CROSS SECTION B**  
SCALE: 1/4"=1'-0"



**CROSS SECTION D**  
SCALE: 1/4"=1'-0"



**CROSS SECTION C**  
SCALE: 1/4"=1'-0"

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DATE	REMARKS

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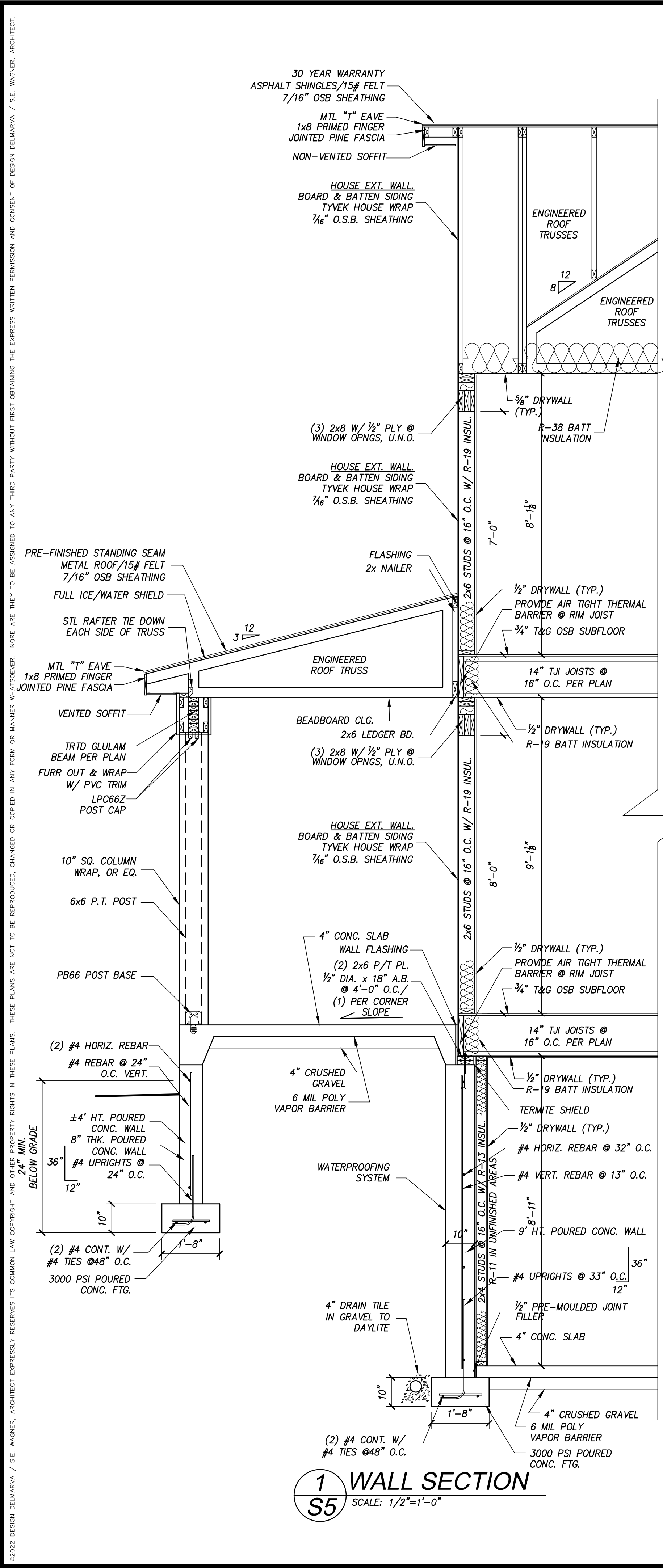
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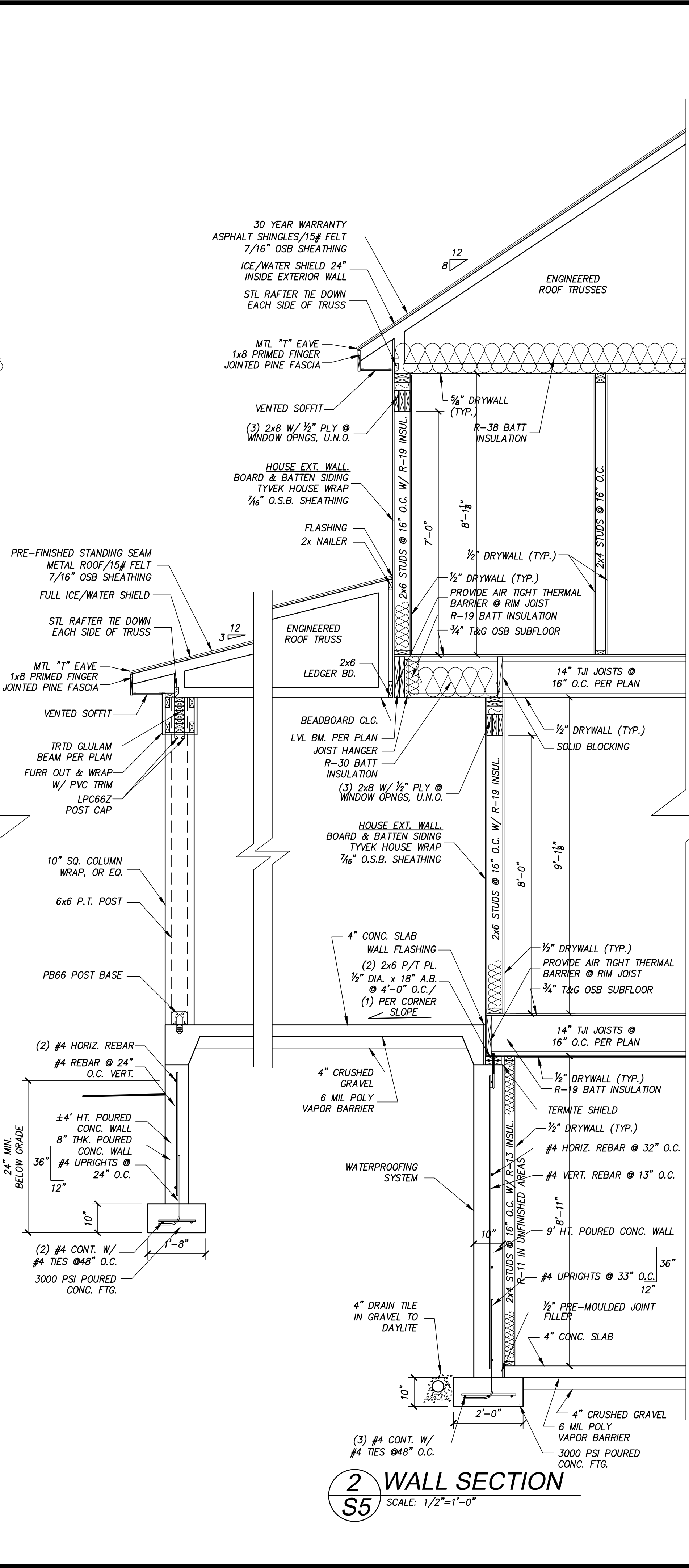
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 FAUQUIER COUNTY  
 MARSHALL VIRGINIA  
 CROSS SECTIONS

DATE: 10-26-22 SHEET NO. S4

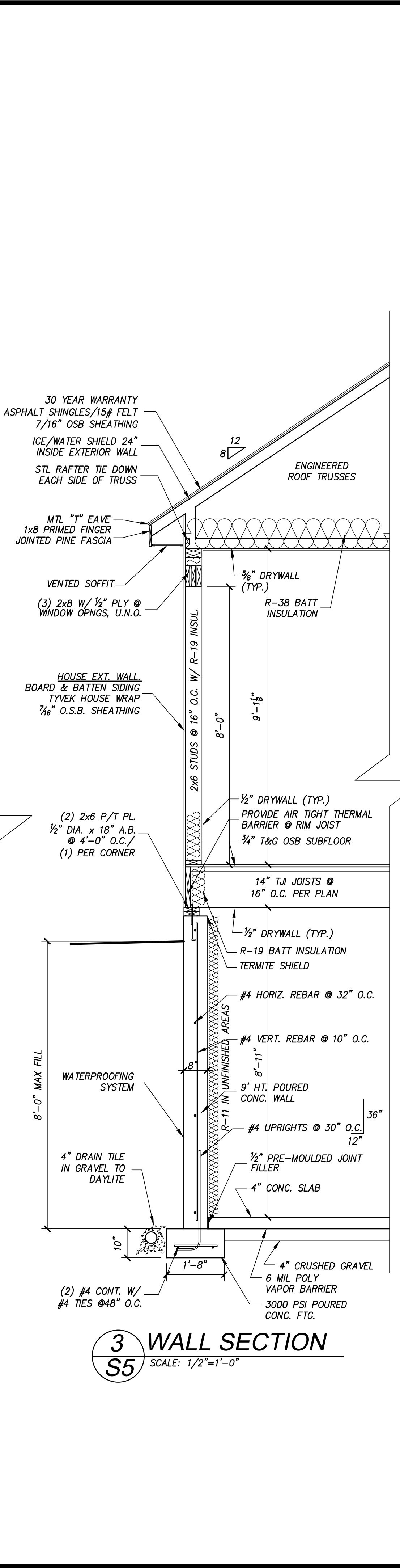




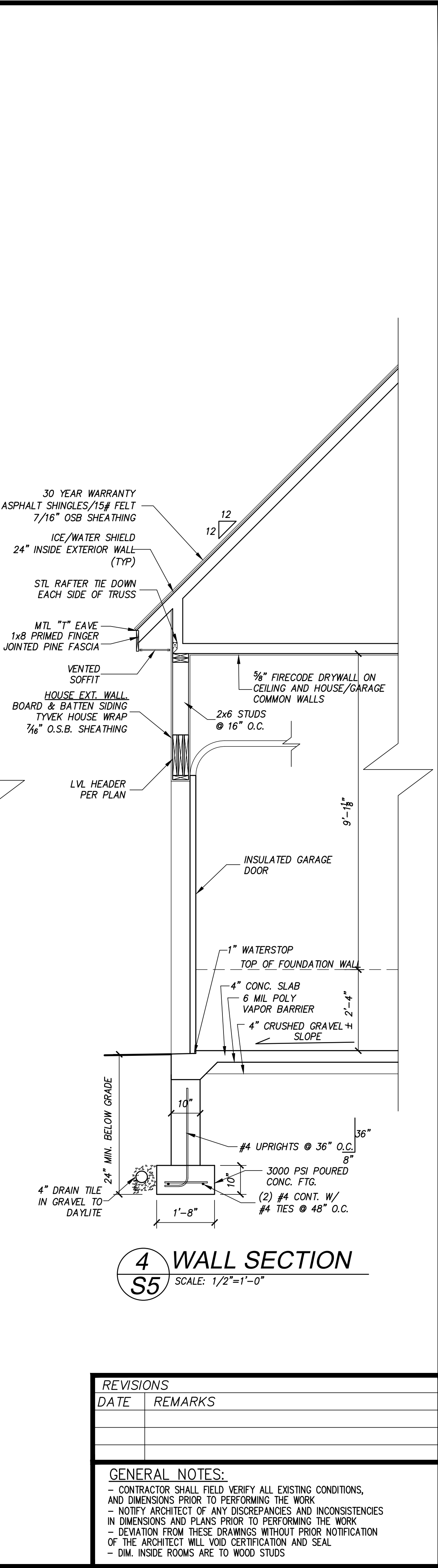
**1 WALL SECTION**  
S5 SCALE: 1/2"=1'-0"



**2 WALL SECTION**  
S5 SCALE: 1/2"=1'-0"



**3 WALL SECTION**  
S5 SCALE: 1/2"=1'-0"



**4 WALL SECTION**  
S5 SCALE: 1/2"=1'-0"

REVISIONS	
DATE	REMARKS

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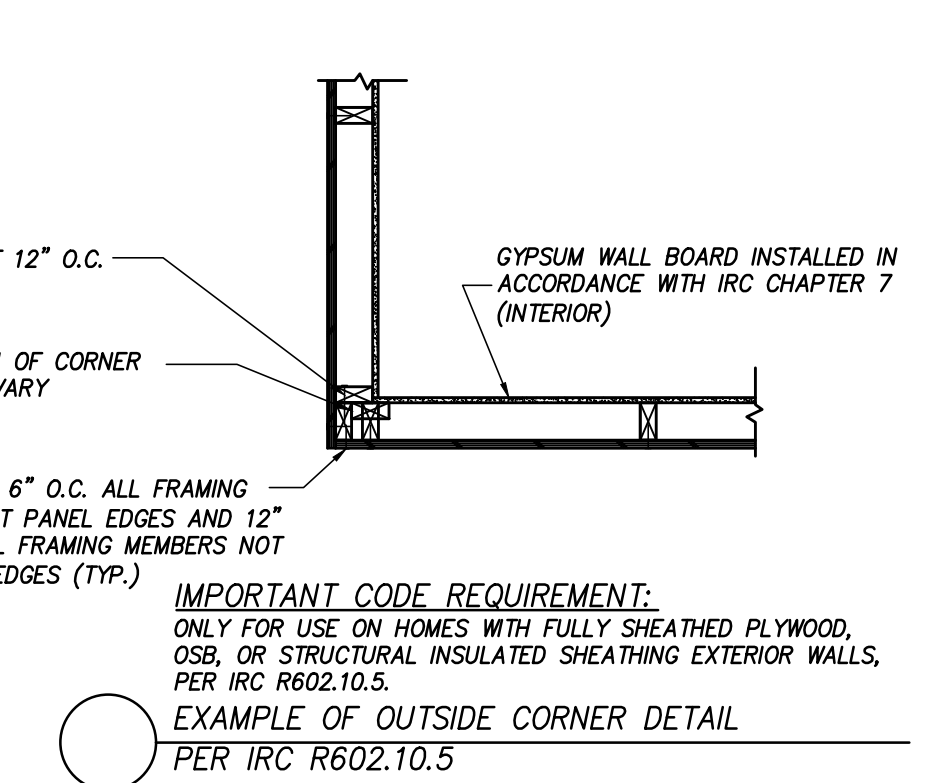
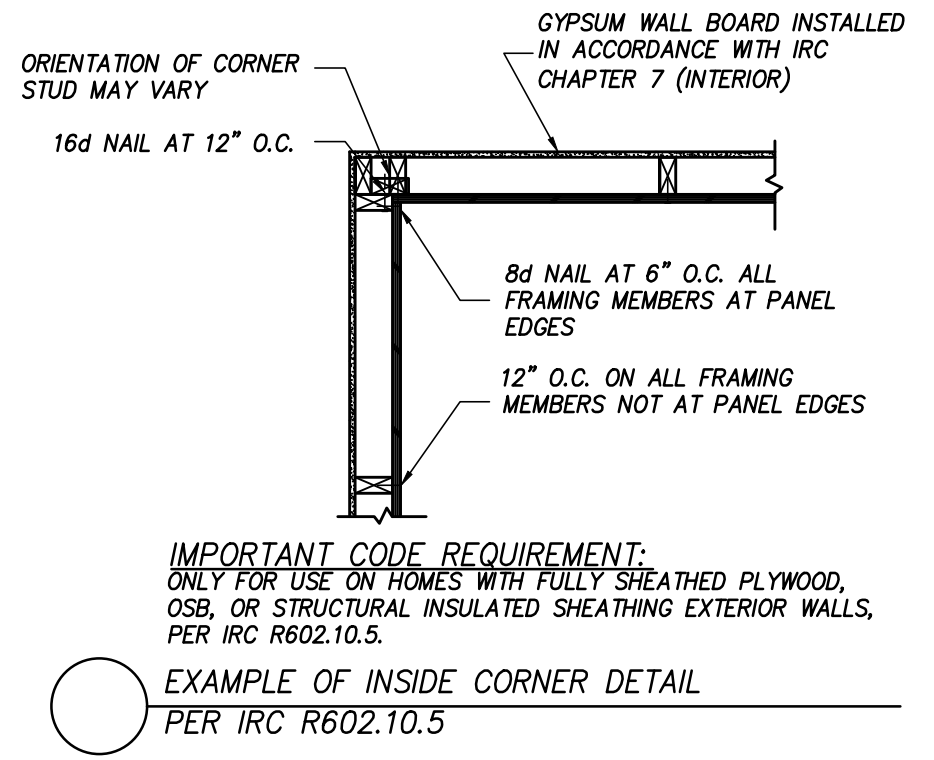
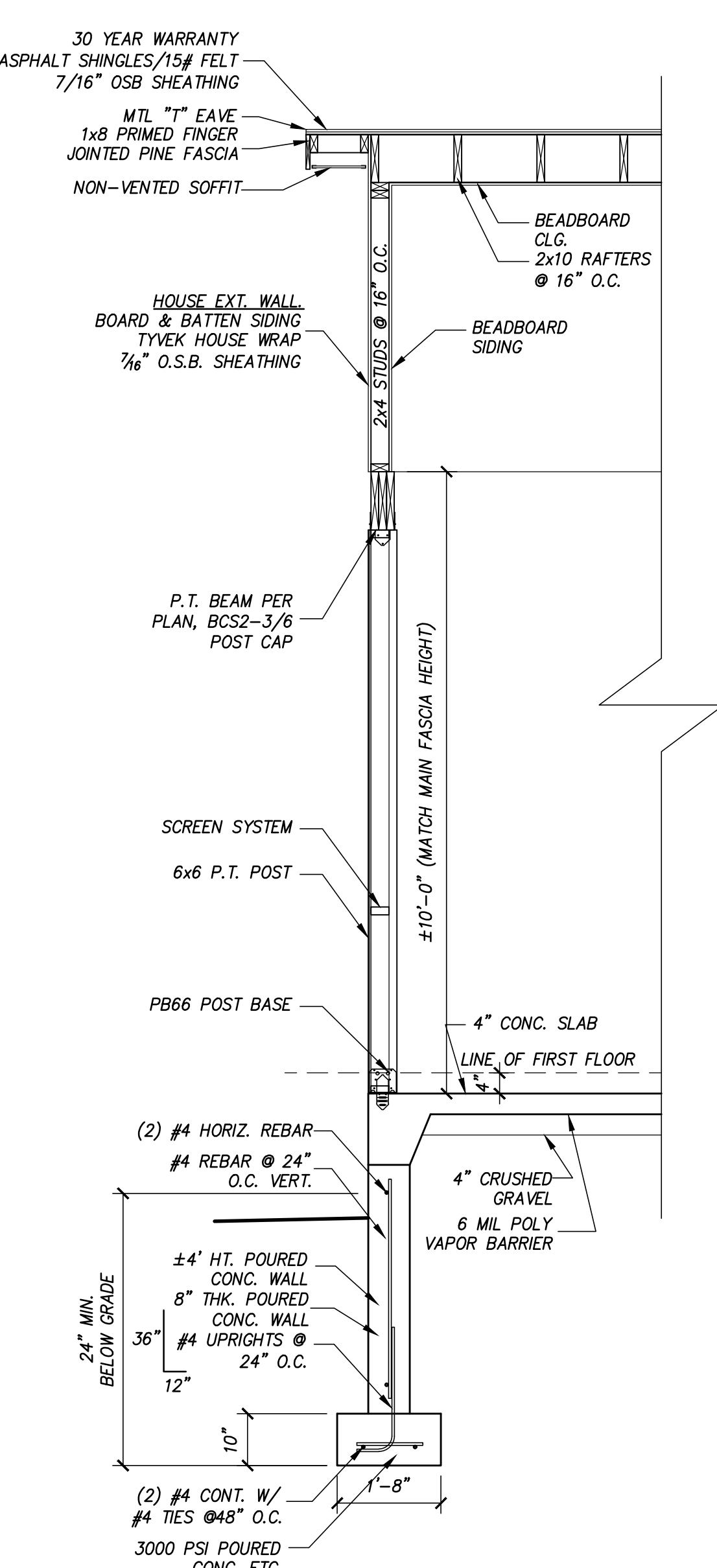
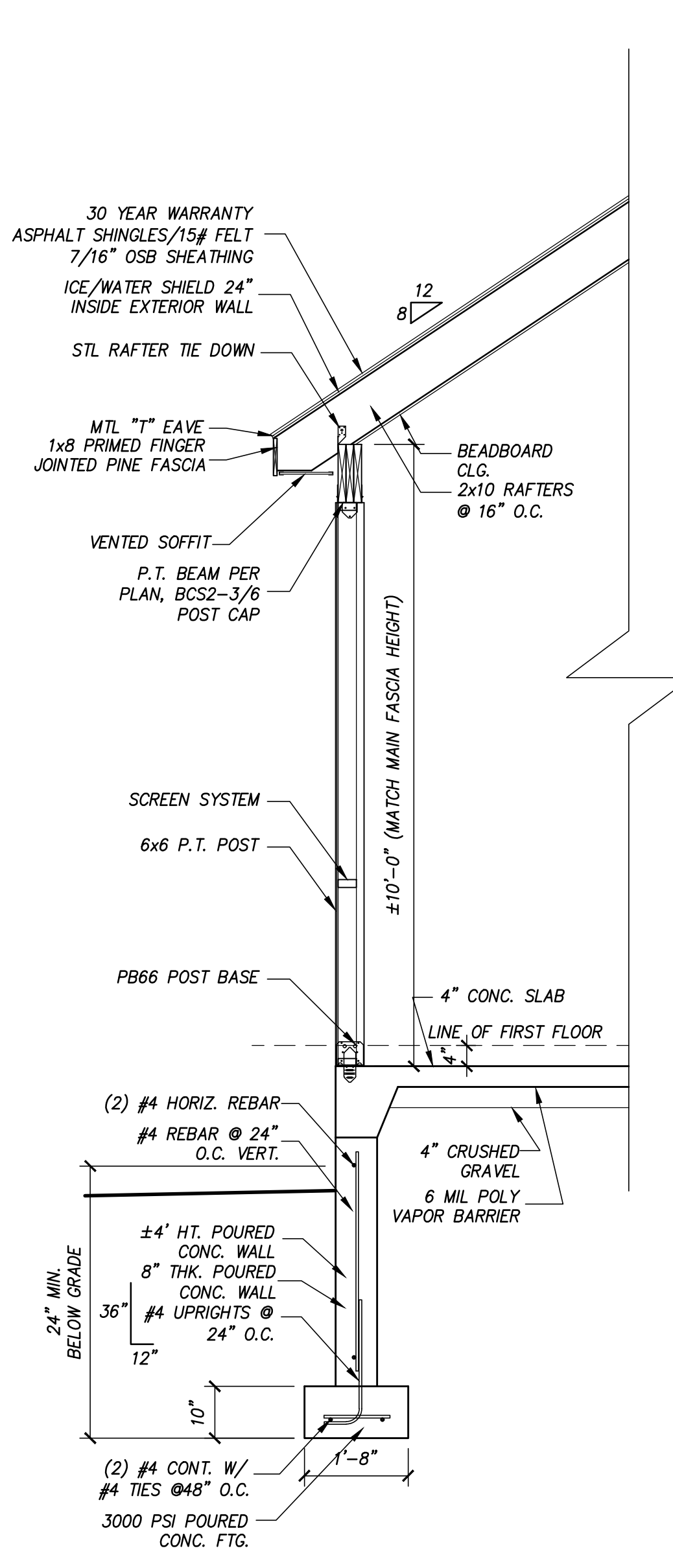
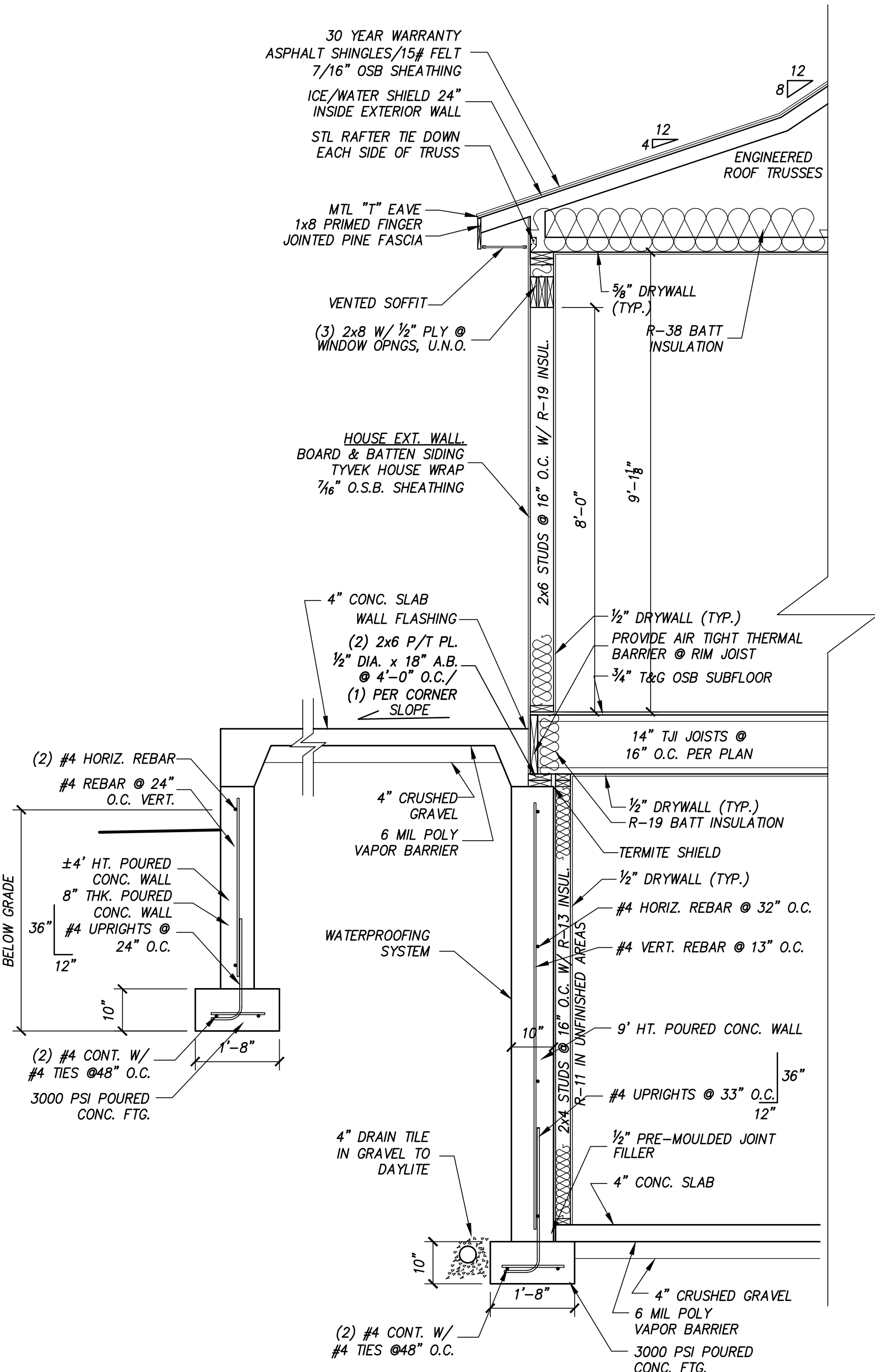
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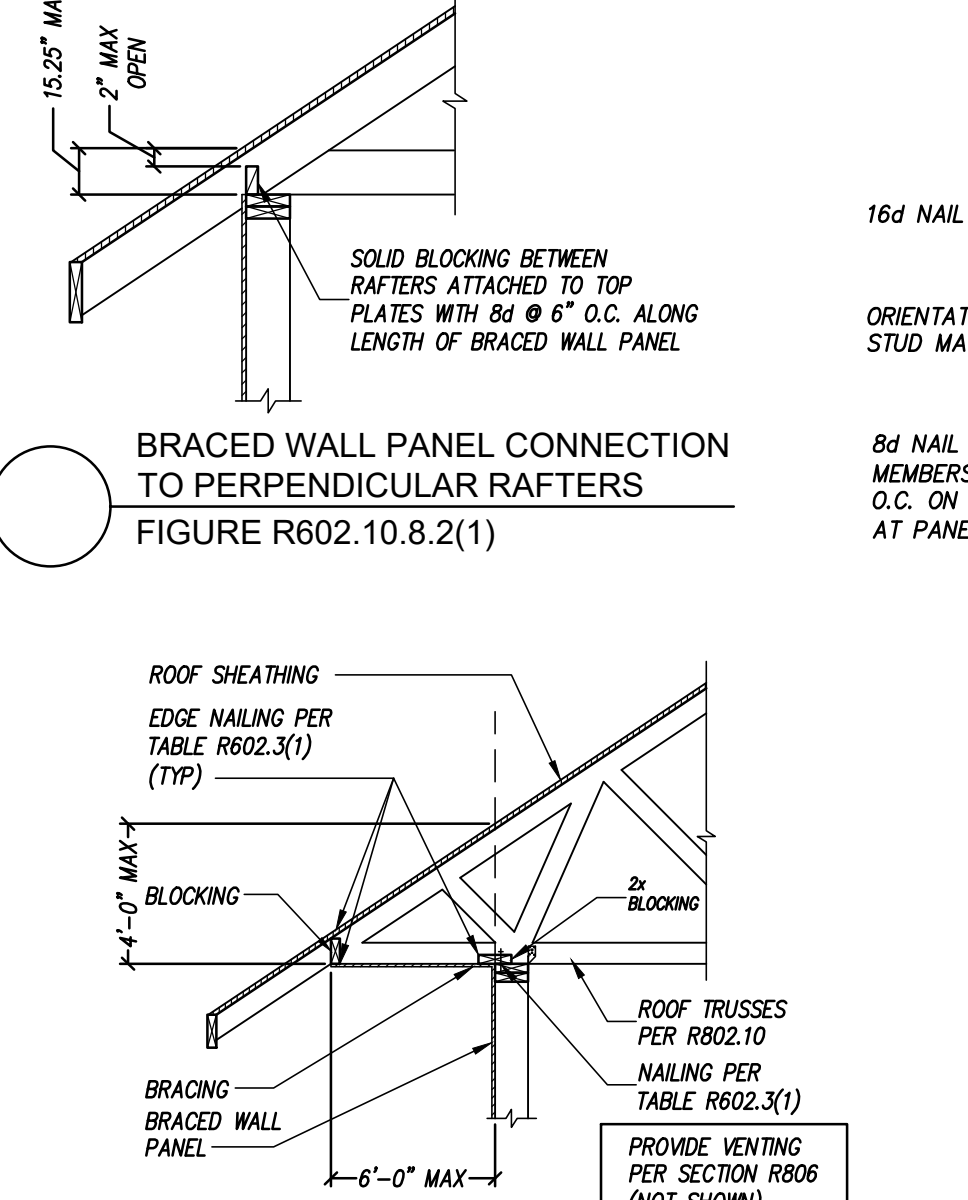
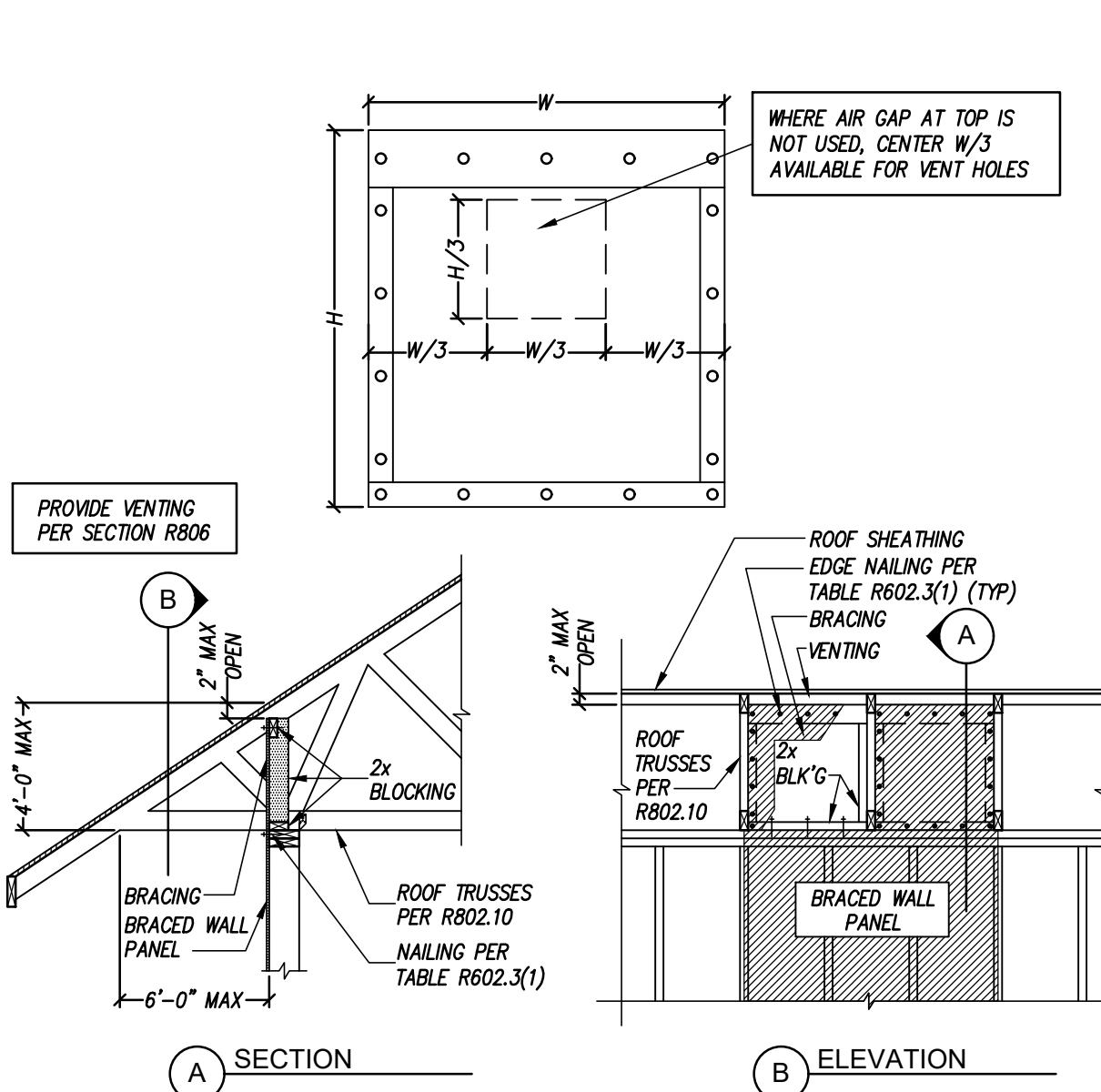
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Ultimate Wind Speed (mph)	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200			
BWL Designation	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8			
No. of Floors above BWL	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0			
BWP Method	CS-WSP	CS-WSP	CS-WSP	CS-WSP	CS-WSP	GB	GB	CS-PF	CS-WSP	GB	CS-WSP	GB	CS-WSP	GB	CS-WSP	GB	CS-WSP	GB			
Average BWL Spacing (ft)	27.92	22.06	22.06	18.75	18.75	42	28.5	16	21	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5			
Tabular Requirement (ft)	8.48	3.71	3.71	3.31	12.00	16.08	5.30	3.80	2.53	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55			
Exposure	B	1.00	B	1.00	B	1.00	B	1.00	B	1.00	B	1.00	B	1.00	B	1.00	B	1.00			
Eave-to-Ridge Ht. (ft)	10.67	1.02	12.25	1.14	18.90	1.93	12.25	1.14	10.67	1.02	12.25	1.14	10.67	1.02	12.25	1.14	10.67	1.02			
Max. Wall Ht. (ft)	9.00	0.95	10.00	1.00	9.00	0.95	10.00	1.00	9.00	0.95	10.00	1.00	9.00	0.95	10.00	1.00	9.00	0.95			
No. of BWLs	4	1.45	4	1.45	4	1.45	4	1.45	4	1.45	4	1.45	4	1.45	4	1.45	4	1.45			
Ornl. Interior Finish?	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00			
Added Hold-downs?	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00			
Joints Blocked?	Yes	1.00	Yes	1.00	Yes	1.00	Yes	1.00	Yes	1.00	Yes	1.00	Yes	1.00	Yes	1.00	Yes	1.00			
Fasteners @ 4" o.c.?	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00			
Required BWP Length (ft)	11.92	6.10	7.83	5.45	16.86	22.59	8.72	5.92	2.36	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26			
Contributing Length (ft)	1	CS-WSP	3.00	CS-WSP	2.25	CS-WSP	2.25	CS-WSP	3.00	CS-WSP	5.00	GB (8s)	4.00	CS-WSP	3.00	CS-PF	2.50	CS-WSP	2.00	GB (8s)	2.00
W/P Structural	2	CS-WSP	3.00	CS-WSP	2.50	CS-WSP	2.25	CS-WSP	3.00	CS-WSP	3.00	GB (8s)	4.00	CS-WSP	3.00	CS-PF	2.50	CS-WSP	2.00	GB (8s)	2.00
GB/SH Structural	3	CS-WSP	3.00	CS-WSP	2.50	CS-WSP	2.25	CS-WSP	3.00	CS-WSP	3.00	GB (8s)	4.00	CS-PF	2.50	CS-WSP	2.00	CS-WSP	2.00	GB (8s)	2.00
OSB/SH Structural	4	CS-WSP	3.00	CS-WSP	2.25	CS-WSP	2.25	CS-WSP	3.00	CS-WSP	3.00	CS-WSP	5.00	CS-WSP	3.00	CS-WSP	2.00	CS-WSP	2.00	GB (8s)	2.00
CS-PF Structural	5	CS-WSP	3.00	CS-WSP	2.25	CS-WSP	2.25	CS-WSP	3.00	CS-WSP	3.00	CS-WSP	5.00	CS-WSP	3.00	CS-WSP	2.00	CS-WSP	2.00	GB (8s)	2.00
Other	6																				
7																					
Actual BWP Length (ft)	12.00	7.25	13.50	6.00	17.00	23.00	11.00	7.50	8.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	
Actual in Required?	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	
BWP's ≥ 2' Apart?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
≥ 2 Panels in BWL?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
BWP 10' from Ends?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Continuous Sheathing End Conditions	End 1	End 1	End 1	End 1	End 1	End 1	End 1	End 1	End 1	End 1	End 1	End 1	End 1	End 1	End 1	End 1	End 1	End 1	End 1	End 1	
BWL Compliance	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	



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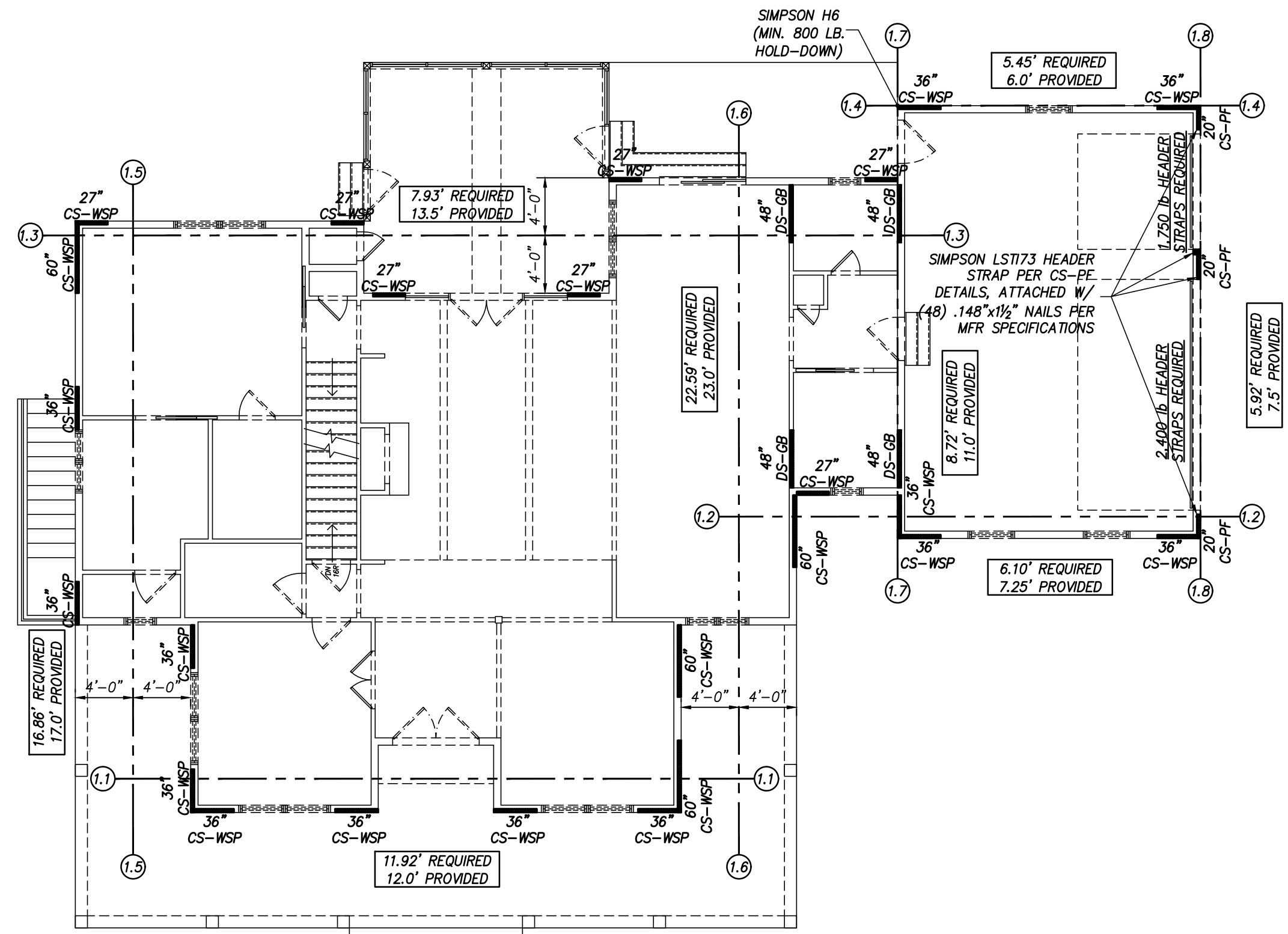
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 MARSHALL VIRGINIA  
 WALL SECTIONS & DETAILS  
 WIND BRACING CALCS

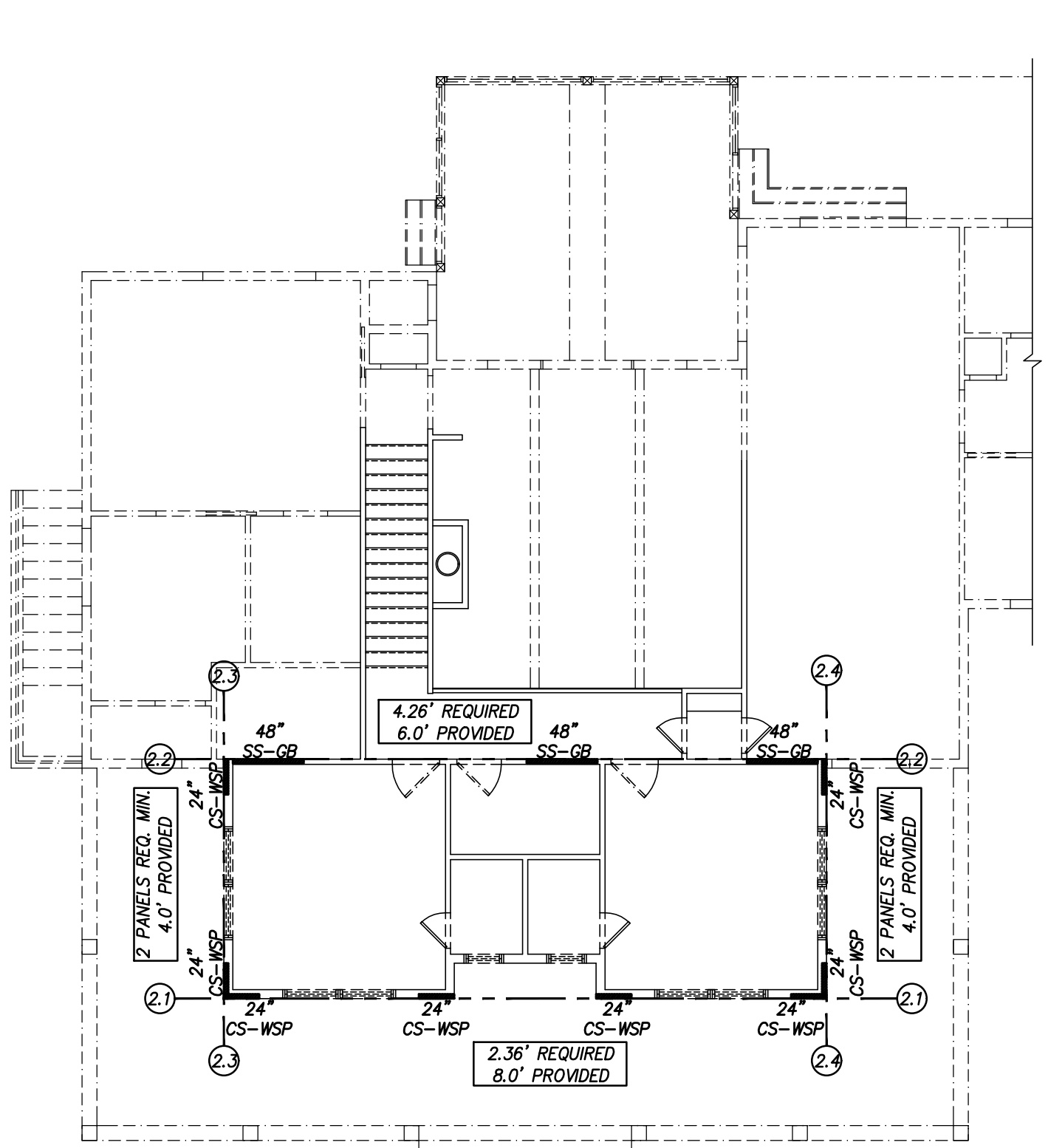
DATE 10-26-22 SHEET NO. S6



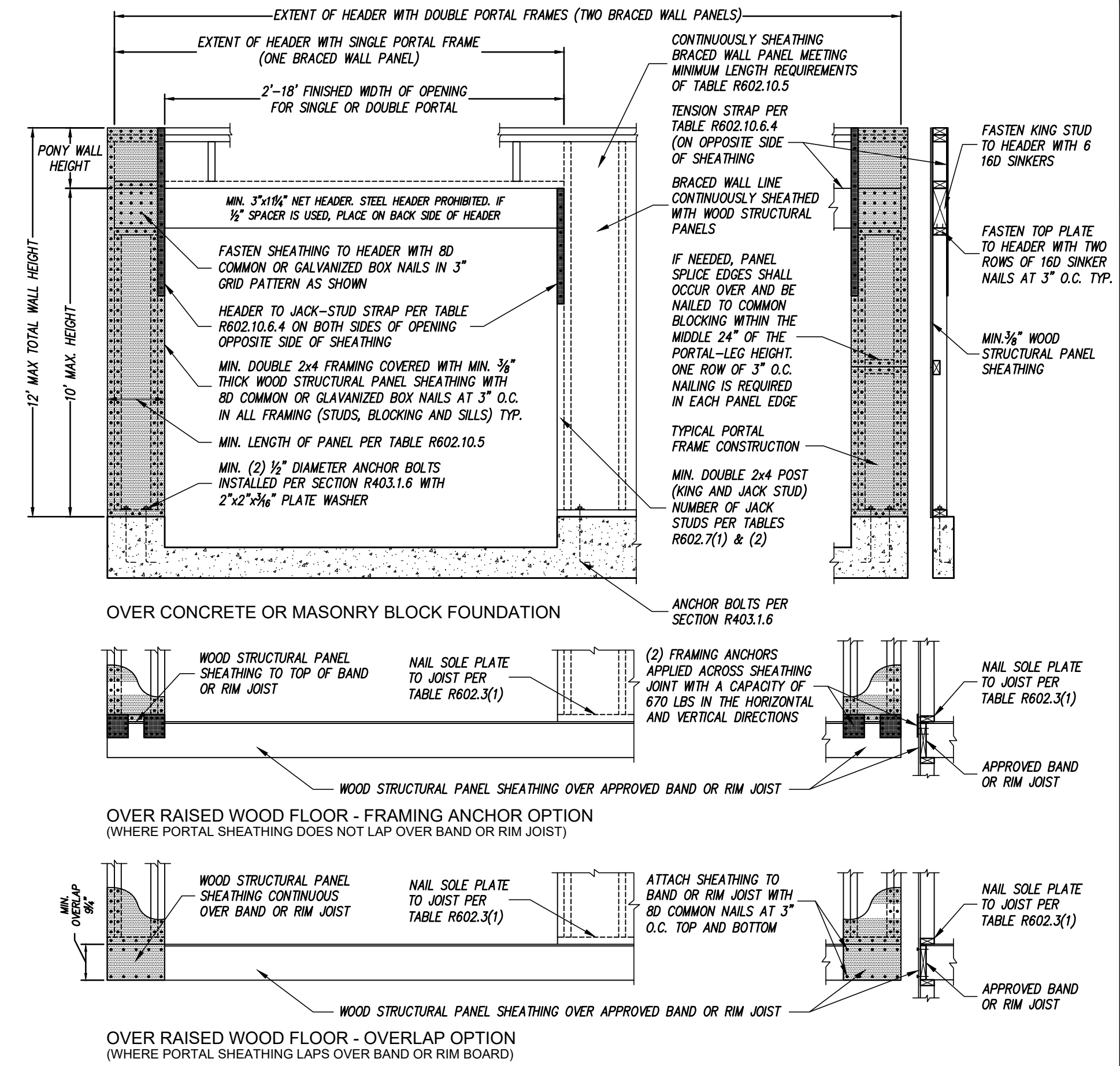
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**FIRST FLOOR PLAN**  
SCALE: 1/8"=1'-0"



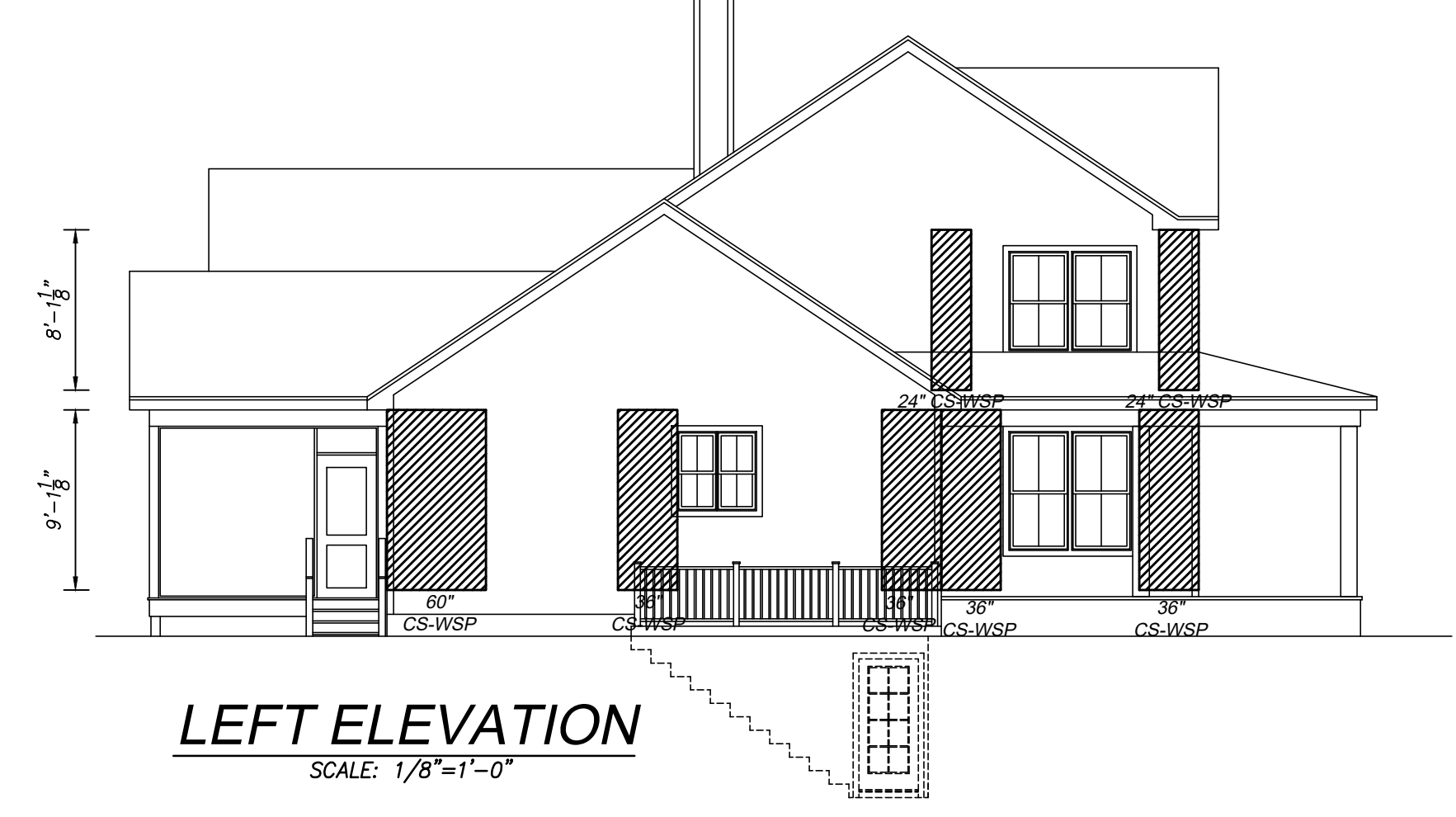
**SECOND FLOOR PLAN**  
SCALE: 1/8"=1'-0"



METHOD CS-PF - CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION  
FIGURE R602.10.6.4



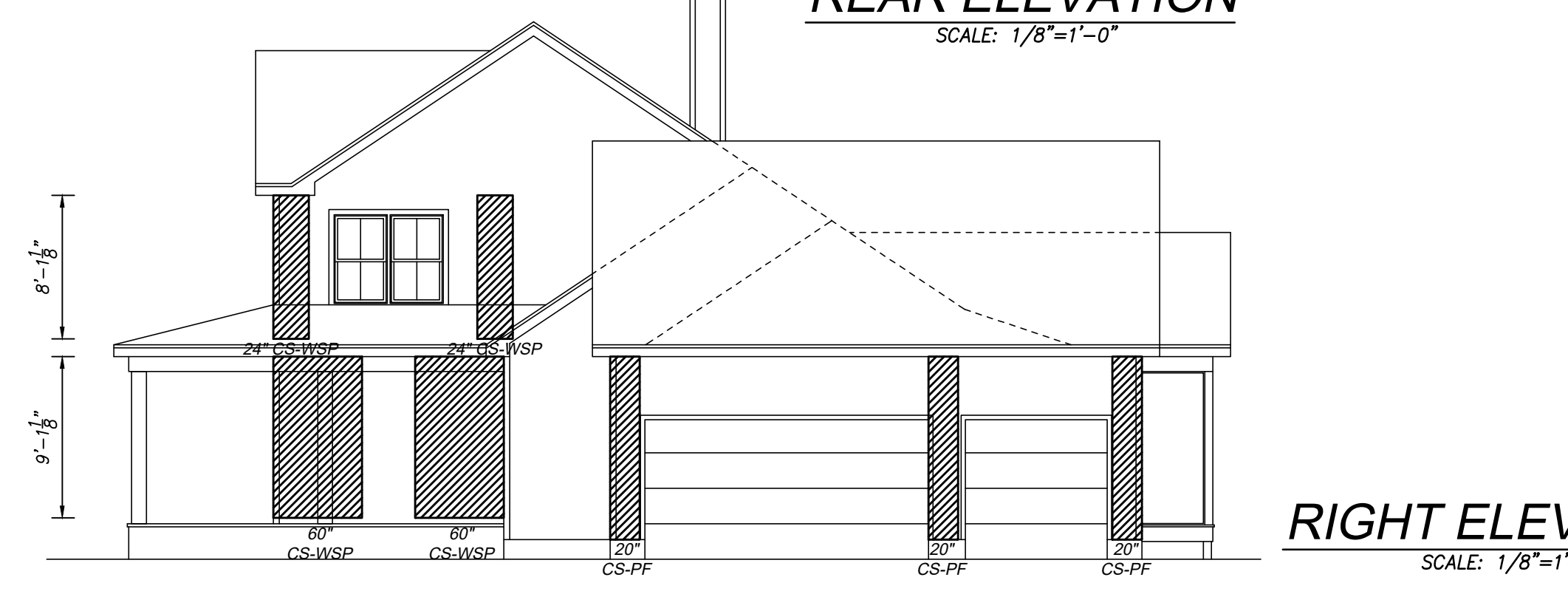
**FRONT ELEVATION**  
SCALE: 1/8"=1'-0"



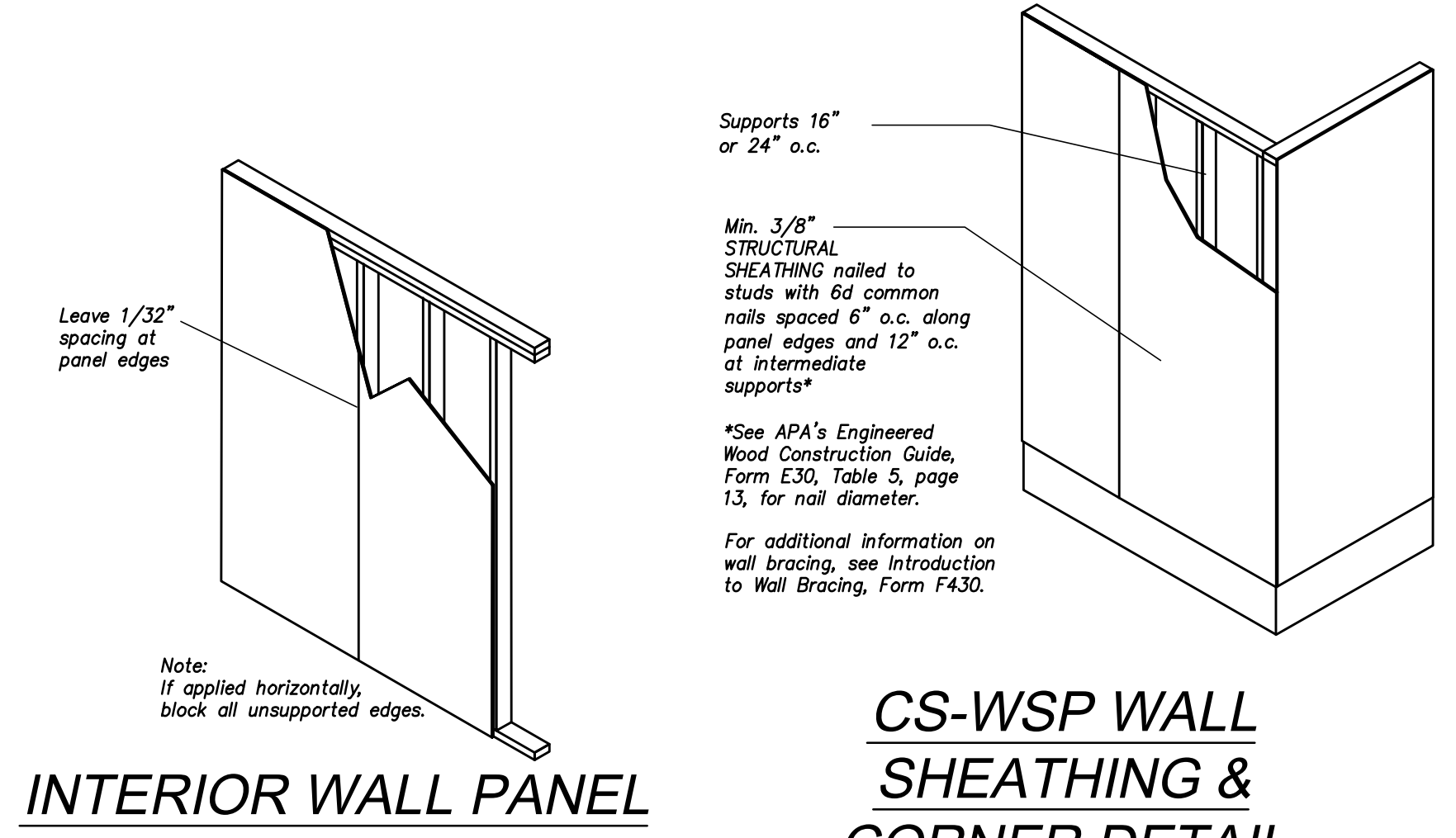
**LEFT ELEVATION**  
SCALE: 1/8"=1'-0"



**REAR ELEVATION**  
SCALE: 1/8"=1'-0"



**RIGHT ELEVATION**  
SCALE: 1/8"=1'-0"



**INTERIOR WALL PANEL**  
**CS-WSP WALL SHEATHING & CORNER DETAIL**

PER IRC R602.10.5  
(METHOD 3 - CONTINUOUS SHEATHING)

TABLE R602.10.6.4  
TENSION STRAP CAPACITY FOR RESISTING WIND PRESSURES PERPENDICULAR TO METHODS PFH, PFG AND CS-PF BRACED WALL PANELS\*

MINIMUM WALL STUD FRAMING NOMINAL SIZE AND GRADE	MAXIMUM PONY WALL HEIGHT (feet)	MAXIMUM TOTAL WALL HEIGHT (feet)	MAXIMUM OPENING WIDTH (feet)	TENSION STRAP CAPACITY REQUIRED (pounds)						
				Ultimate design Wind Speed V <sub>ult</sub> (mph)						
				Exposure B		Exposure C		Exposure D		
	110	115	130	110	115	130				
2 x 4 No. 2 Grade	0	10	18	1,000	1,000	1,000	1,000	1,000	1,050	
			9	1,000	1,000	1,000	1,000	1,000	1,750	
			16	1,000	1,025	2,050	2,075	2,500	3,950	
	2	10	18	1,000	1,275	2,375	2,400	2,850	DR	
			9	1,000	1,000	1,475	1,500	1,875	3,125	
			16	1,775	2,175	3,525	3,550	4,125	DR	
		2	12	18	2,075	2,500	3,950	3,975	DR	DR
				9	1,150	1,500	2,650	2,675	3,175	DR
				16	2,875	3,375	DR	DR	DR	DR
	4	12	18	3,425	3,975	DR	DR	DR	DR	
			9	2,275	2,750	DR	DR	DR	DR	
			12	3,225	3,775	DR	DR	DR	DR	
2		12	9	1,000	1,000	1,700	1,700	2,025	3,050	
			16	1,825	2,150	3,225	3,225	3,675	DR	
			18	2,200	2,550	3,725	3,750	DR	DR	
4	12	9	1,450	1,750	2,700	2,725	3,125	DR		
		16	2,050	2,400	DR	DR	DR	DR		
		18	3,350	3,800	DR	DR	DR	DR		

DR = Design Required  
a. Straps shall be installed in accordance with manufacturer's recommendations

BRACED WALL SCHEDULE			
METHOD	THICKNESS	EDGE FASTENERS	FIELD FASTENERS
WSP	7/16" OSB SHEATHING	8d @ 6" O.C.	8d @ 12" O.C.
CS-WSP	7/16" OSB SHEATHING	8d @ 6" O.C.	8d @ 12" O.C.
CS-PF	7/16" OSB SHEATHING	8d @ 6" O.C.	8d @ 12" O.C.
SS-GB	1/2" GYPSUM WALL BOARD	5d COOLER NAILS @ 4" O.C.	5d COOLER NAILS @ 4" O.C.

CONTINUOUS SHEATHING MIN. BRACED WALL PANEL LENGTHS U.N.O.	
CS-WSP - 11' WALL = 33"	
10' WALL = 30"	
9' WALL = 27"	
8' WALL = 24"	
CORNER RETURN PANEL (CRP) = 24"	
CS-PF - 11' WALL = 22"	
10' WALL = 20"	
9' WALL = 18"	
8' WALL = 16"	

REVISIONS	
DATE	REMARKS

**GENERAL NOTES:**  
 - CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, AND DIMENSIONS PRIOR TO PERFORMING THE WORK  
 - NOTIFY ARCHITECT OF ANY DISCREPANCIES AND INCONSISTENCIES IN DIMENSIONS AND PLANS PRIOR TO PERFORMING THE WORK  
 - DEVIATION FROM THESE DRAWINGS WITHOUT PRIOR NOTIFICATION OF THE ARCHITECT WILL VOID CERTIFICATION AND SEAL  
 - DIM. INSIDE ROOMS ARE TO WOOD STUDS

SEAL

ISSUED FOR PERMIT  
10-26-2022

THIS DRAWING IS THE PROPERTY OF  
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**CORBISIERO RESIDENCE**  
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 WIND BRACING PLANS,  
 ELEVATIONS & DETAILS

DATE 10-26-22 SHEET NO. S7