

DISCLAIMER:

Provost Home Design, LLC assumes no responsibility for any dimension discrepancies or changes made to any portion of the structure. Any discrepancy in structure uniformity, such as material consistency, the structure being plumb, level, and square could cause the structure to become physically unsafe. The homeowner and/or contractor/builder shall verify all plan dimensions, structural details, and building code requirements. Then notify the designer of any dimensional errors, omissions or discrepancies before beginning or fabricating any work on the project. To the best of my knowledge these plans are drawn to comply with the owner's and/or builder's/contractor's specifications and any changes made on them after prints are made will be done at the owner's and/or builder's/contractor's expense and responsibility. The owner and/or builder/contractor shall verify all plan information before building. Provost Home Design, LLC is not liable for errors once construction has begun. While every effort has been made in the preparation of this plan to avoid mistakes, the designer can not guarantee against human error. The builder/contractor of the job must check all dimensions and details prior to construction and be solely responsible thereafter.

Unforeseen Site Conditions:

Unforeseen site conditions may cause a deviation from the construction documents and all dimensions must be field verified by the builder/contractor and sub-contractors. It is the sole responsibility of the builder/contractor to ensure structural stability and conformance to all applicable codes.

Final Grade & Site Conditions:

The final finish grade around the structure may vary from the construction documents submitted. Due to unforeseen site conditions the number of stairs to meet the finished grade and/or finished floors of the garage and/or house shall be as required to meet all applicable building and civil codes.

GENERAL NOTES:

Definitions:

- (IBC) - International Building Code 2015
- (IRC) - International Residential Code 2015
- (IFC) - International Fire Code 2015
- (NCBC) - North Carolina IBC Amendments
- (NCR) - North Carolina IRC Amendments
- (NCFC) - North Carolina IFC Amendments

General Plan Notes:

Where discrepancies exist between the standard comments and notes from the design professional or the code, the most restrictive shall apply. All construction shall comply with the 2015 International Residential Code (IRC) and applicable state code addendums.

All dimensions, notes, and other information conveyed in these drawings are for construction purposes and are subject to change. All dimensions must be field verified by builder/contractor and sub-contractors. All work performed is to be in accordance with all local and state building codes.

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CONSTRUCTION DESIGN CRITERIA

Occupancy Type	Single Family Home
Construction Type	5B
Live Load (All Habitable Floors)	40 PSF
Live Load (Bedrooms)	30 PSF
Dead Load (All Habitable Floors)	14 PSF
Roof Live/Snow Load	20/15 PSF
Dead Load Roof (Truss/Conventional)	20/15 PSF
Live Load (Decks/Balconies)	40/60 PSF
Attic Live Load (Habitable)	30 PSF
Attic Dead Load (Habitable)	12 PSF
Attic Live Load (Uninhabitable)	20 PSF
Attic Dead Load (Uninhabitable)	10 PSF
Soil Bearing Pressure (Assumed)	2000 PSI
Design Wind Zone	140 MPH
Design Wind Exposure	B
Frost Depth	1'-0"
Maximum Building Height	35'-0"

241103 - PECHELES RESIDENCE - 407 VICKSBURG CT. HAYELOCK, NC

CODE REVIEW SCHEDULE	
Building Code	North Carolina Residential Code 2018 (IRC + NC Amendments)
Plumbing Code	2018 North Carolina Plumbing Code (2015 IPC + NC Amendments)
Mechanical Code	2018 North Carolina Mechanical Code (2015 IMC + NC Amendments)
Electrical Code	2020 North Carolina Electrical Code
Energy Code	2018 North Carolina Energy Conservation Code (2015 IECC + NC Amendments)
Fire Safety Code	2018 North Carolina Fire Prevention Code (2015 IFC + NC Amendments)

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REVISION TABLE			
NUMBER	DATE	REVISED BY	DESCRIPTION
1	11/11/2024	MWP	UPDATED PER EMAIL FROM JOSEPH ON 10/31/24
2	12/9/2024	MWP	UPDATED PER EMAIL FROM BRIAN ON 11/27/24

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COVER PAGE

PROJECT INFORMATION:
 JOB #: 241103
 JOB NAME: PECHELES RESIDENCE
 ADDRESS: 407 VICKSBURG CT.
 HAYELOCK, NC 28532

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12/9/2024

SCALE:
AS NOTED

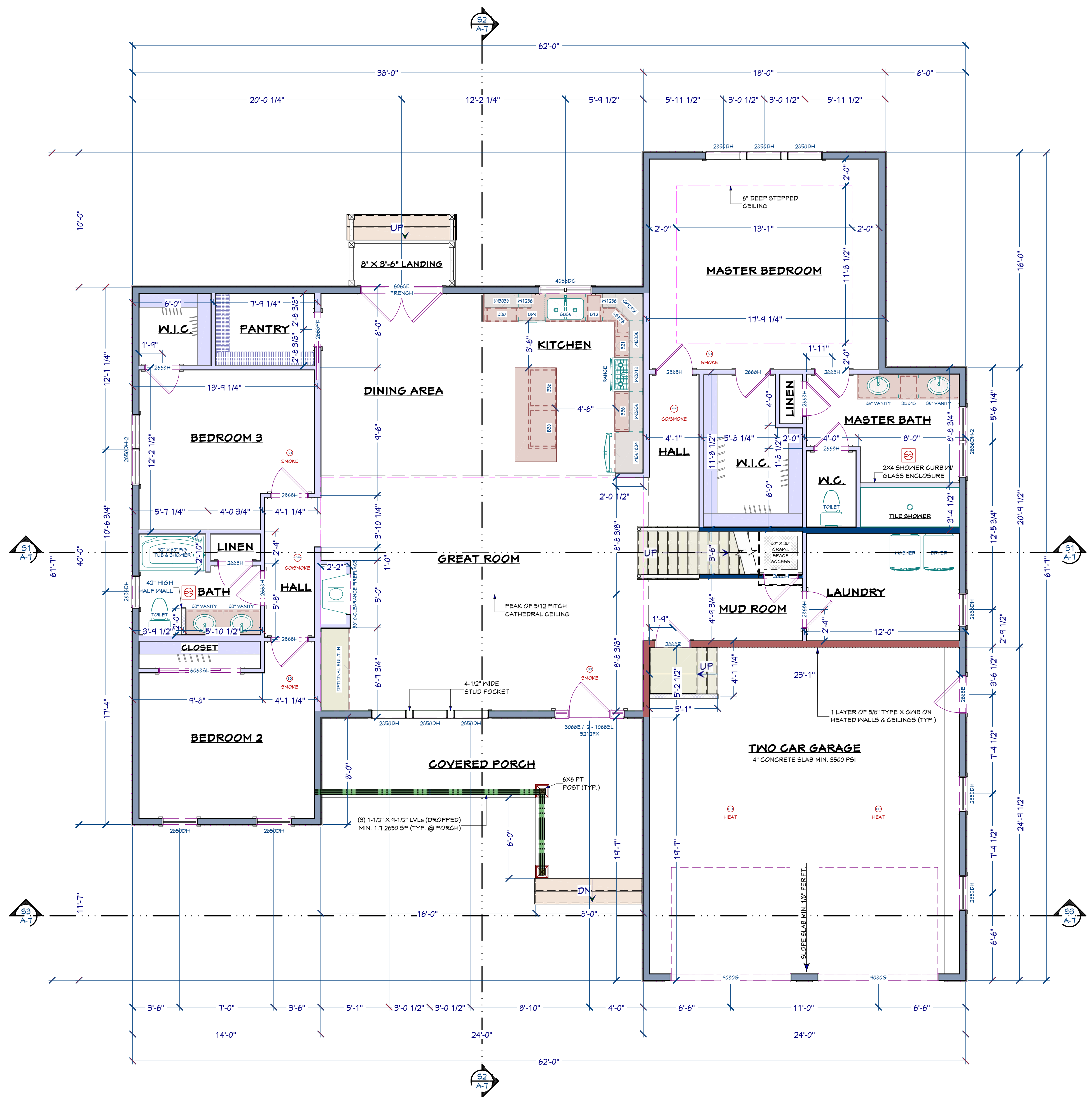
SHEET:
C-1

Elev	RM Name	Label	MFG	Qty	Flr	Top	R/O	Egress	Temp	Description	HDR	HDR Type	Area Actual (sq ft)
	Master Bath	2636DH-2	Generic	1	1	84"	63 1/2"x42"			Mulled Unit	2"x10"x6 1/2" (3)	Lumber	18.16
	Bedroom 2	2650DH	Generic	2	1	84"	32"x60"			Double Hung	2"x10"x9 5/8" (3)	Lumber	13.02
	Bedroom 3	2650DH-2	Generic	1	1	84"	63 1/2"x60"			Mulled Unit	2"x10"x6 1/2" (3)	Lumber	26.03
	Bath	2636DH	Generic	1	1	84"	30"x42"			Double Hung	2"x10"x9 5/8" (3)	Lumber	8.5
	Two Car Garage	2650DH	Generic	2	1	111"	32"x60"			Double Hung	2"x10"x9 5/8" (3)	Lumber	13.02
	Master Bedroom	2650DH	Generic	3	1	84"	32"x60"			Double Hung	2"x10"x9 5/8" (3)	Lumber	13.02
	Kitchen	4036DC	Generic	1	1	84"	48"x42"			Double Casement-LHLRHR	2"x10"x5 1/2" (3)	Lumber	13.64
	Great Room/Covered Porch	2650DH	Generic	3	1	84"	32"x60"			Double Hung	2"x10"x9 5/8" (3)	Lumber	13.02
	Laundry	2636DH	Generic	1	1	84"	30"x42"			Double Hung	2"x10"x9 5/8" (3)	Lumber	8.5
Totals:													205.08

RM Name	Label	MFG	Qty	FLR	R/O	Type	Fire	HDR	HDR Type	EX/IN	Hinge/S	Sluings/S
Mud Room/Laundry	2666H	Generic	1	1	34 1/2"x32 1/2"	Hinged		2"x4"x3 1/2" (2)	Lumber	IN	R	Out
Bath/Linen	2666H	Generic	1	1	32 1/2"x32 1/2"	Hinged		2"x4"x3 1/2" (2)	Lumber	IN	L	In
Hall/Bath	2666H	Generic	1	1	32 1/2"x32 1/2"	Hinged		2"x4"x3 1/2" (2)	Lumber	IN	R	Out
Hall/Bedroom 2	2666H	Generic	1	1	34 1/2"x32 1/2"	Hinged		2"x4"x3 1/2" (2)	Lumber	IN	L	Out
Hall/Bedroom 3	2666H	Generic	1	1	34 1/2"x32 1/2"	Hinged		2"x4"x3 1/2" (2)	Lumber	IN	R	Out
Bedroom 2/Closet	6066SL	Generic	1	1	74 1/2"x32 1/2"	Slider		2"x4"x1 1/2" (2)	Lumber	IN	R	Out
Bedroom 3/N.I.C.	2666H	Generic	1	1	32 1/2"x32 1/2"	Hinged		2"x4"x3 1/2" (2)	Lumber	IN	R	In
Master Bath/Bedroom	2666H	Generic	1	1	32 1/2"x32 1/2"	Hinged		2"x4"x3 1/2" (2)	Lumber	IN	R	In
Hall/Bedroom	2666H	Generic	1	1	34 1/2"x32 1/2"	Hinged		2"x4"x3 1/2" (2)	Lumber	IN	L	Out
N.I.C./Master Bedroom	2666H	Generic	1	1	32 1/2"x32 1/2"	Hinged		2"x4"x3 1/2" (2)	Lumber	IN	L	In
Linen/Bedroom	2666H	Generic	1	1	32 1/2"x32 1/2"	Hinged		2"x4"x3 1/2" (2)	Lumber	IN	L	Out
N.I.C./Master Bath	2666H	Generic	1	1	32 1/2"x32 1/2"	Hinged		2"x4"x3 1/2" (2)	Lumber	IN	L	Out
Great Room/Covered Porch	3066E / 2-1066SL	Pella 250	1	1	62 1/2"x45"	Mulled Unit		2"x10"x6 1/2" (3)	Lumber	EX		
52 1/2"PK	2666E	Generic	1	1	34 1/2"x33 1/4"	Hinged		2"x10"x9 1/2" (3)	Lumber	EX	R	In
Two Car Garage	2666PK	Generic	1	1	61 3/4"x32 1/2"	Pocket		2"x4"x6 3/4" (2)	Lumber	IN	R	In
Pantry/Dining Area	6066E	N/A	1	1	74"x83 1/4"	Double Hinged		2"x10"x11" (3)	Lumber	EX	L/R	In
Dining Area/8' x 3'-6" Landing	6066E	N/A	1	1	74"x83 1/4"	Double Hinged		2"x10"x11" (3)	Lumber	EX	L/R	In
Two Car Garage	4030G	Generic	2	1	108"x94"	Garage		2"x12"x11 1/4" (3)	Lumber	EX		In
Mud Room/Two Car Garage	2666E	Generic	1	1	32 1/2"x32 1/2"	Hinged		2"x10"x9 5/8" (2)	Lumber	EX	R	In
Mud Room/Under Stairs	2666H	Generic	1	1	32 1/2"x32 1/2"	Hinged		2"x10"x9 5/8" (2)	Lumber	IN	L	In

Room Name	Floor	Area (sq ft)	Dimensions
Great Room	1	433	22'-2"x11'-6"
Laundry	1	104	11'-4"x11'-1"
Master Bedroom	1	242	11'-15'-5"
Bath	1	67	4'-11"x7'-5"
Two Car Garage	1	540	23'-2"x4'-3"
Bedroom 2	1	161	13'-11'-9"
Bedroom 3	1	157	13'-11'-10"
Pantry	1	47	7'-4"x5'-4"
Hall	1	46	9'-2"x10'-4"
Mud Room	1	61	11'-5"x4'-7"
Hall	1	47	3'-9"x11'-4"
N.I.C.	1	32	7'-4"x11'-4"
Covered Porch	1	144	7'-11"x11'-11"
Dining Area	1	171	11'-11"x13'-6"
Tile Shower	1	21	7'-4"x5'-1"
N.I.C.	1	36	5'-4"x5'-4"
Unspecified	1	8	1'-10"x4'-5"
Kitchen	1	111	11'-11"x13'-6"
Master Bath	1	42	11'-4"x9'-2"
Linen	1	4	3'-8"x1'-12"
Closet	1	23	4'-2"
Linen	1	8	1'-7"x3'-5"
N.I.C.	1	24	3'-8"x9'-5"
8' x 3'-6" Landing	1	28	11'-9"x3'-9"
Under Stairs	1	42	11'-9"x3'-10"
Totals:		2109	

2D Symbol	Wall Type	Floor	Cavity R. Value	Total R-Value	Qty
[Symbol]	Deck Railing	1	0	3 1/2"	2
[Symbol]	2x6 Interior Bearing Firewall with 1/2" & 5/8" SR	1	21	6 5/8"	2
[Symbol]	2x4 Interior Non-bearing W'all w/ 1/2" SR	1	0	4 1/2"	18
[Symbol]	2x6 Interior Non-bearing W'all w/ 1/2" SR	1	0	6 1/2"	5
[Symbol]	Deck Edge	1	0	3"	1
[Symbol]	2x4 Interior Hal-wall w/ 1/2" SR	1	0	4 1/2"	2
[Symbol]	2x4 Interior Non-bearing W'all w/ 1/2" SR 1 Side	1	0	4"	3
[Symbol]	2x6 Interior Non-bearing W'all w/ 1/2" SR 1 Side	1	0	6"	1
[Symbol]	2x4 Shower Curb	1	0	4 1/2"	1
[Symbol]	2x4 Interior Bearing W'all with 1/2" SR	1	0	4 1/2"	2
[Symbol]	2x6 Interior Bearing W'all w/ 1/2" SR	1	0	6 1/2"	1
[Symbol]	2x6 Exterior Bearing W'all w/ B&B Sluings & 1/2" SR	1	21	1 1/4"	12



FIRST FLOOR PLAN - SCALE: 1/4" = 1'-0"
LIVING AREA = 2109 sq ft

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FIRST FLOOR PLAN

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DATE:
 12/9/2024

SCALE:
 AS NOTED

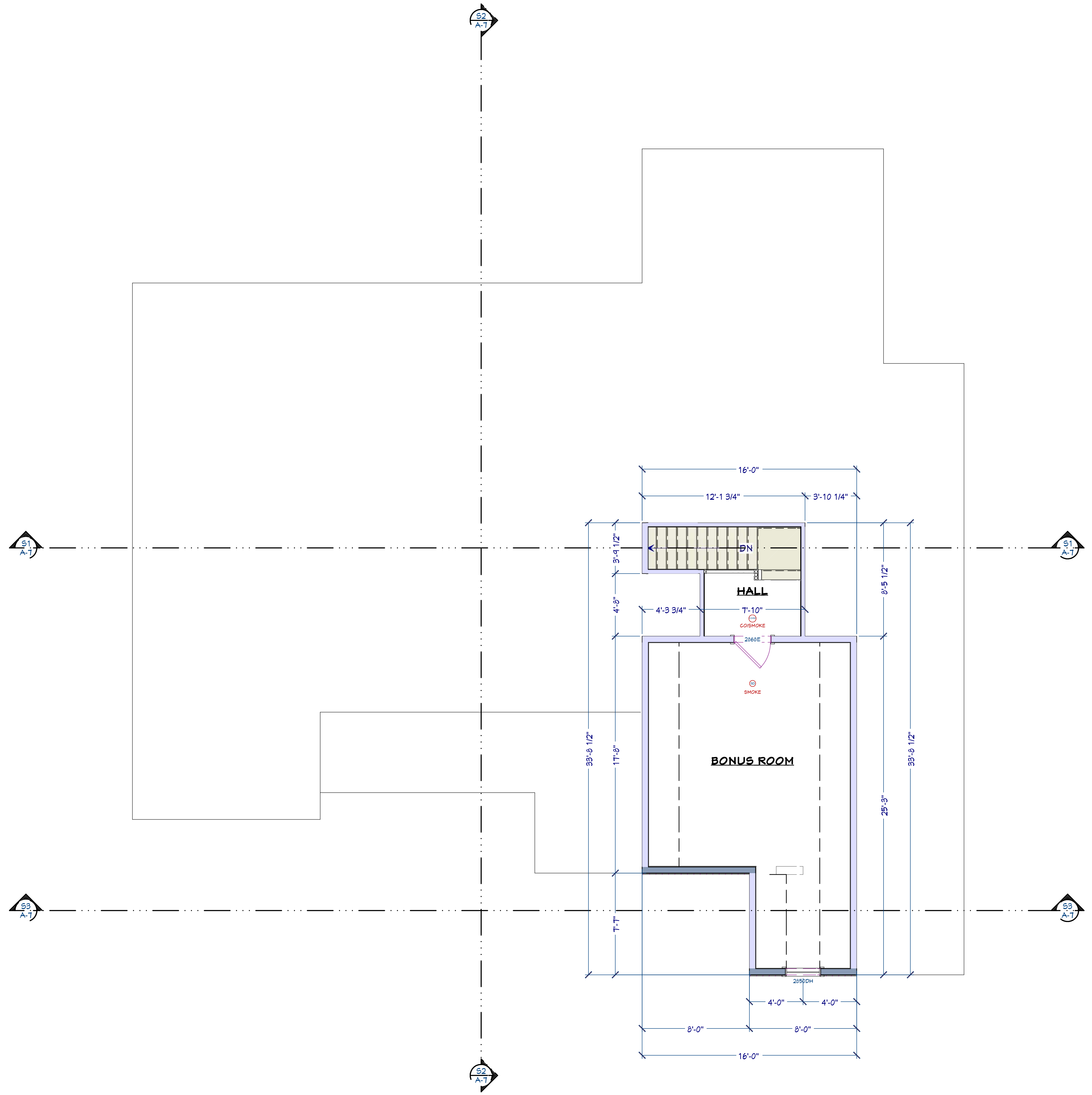
SHEET:
 A-1

Window Schedule													
Elev	RM Name	Label	MFG	Qty	Flr	Top	R/O	Egress	Temp	Description	HDR	HDR Type	Area, Actual (sq ft)
	Bonus Room	2850DH	Generic	1	2	82 1/2"	32"x60"			Double Hung	2"x10"x35" (3)	Lumber	13.02
Totals:													

Door Schedule												
RM Name	Label	MFG	Qty	FLR	R/O	Type	Fire	HDR	HDR Type	EX/IN	Hinge/S	Swing/S
Hall/Bonus Room	2865E	Generic	1	2	34 1/2"x32 1/2"	Hinged		2"x4"x31 1/2" (2)	Lumber	IN	R	Out

Living Area Schedule			
Room Name	Floor	Area, Standard (sq ft)	Dimensions
Bonus Room	2	341	15'X16'-3"
Hall	2	30	11'-2"x9'
Stairwell	2	46	11'-4"x3'-11"
Totals:		425	

Wall Schedule						
2D Symbol	Wall Type	Floor	Cavity R. Value	Total Width	Qty	
[Symbol]	4a - 2x6 Frame w/ White B&B Sliding 1/2" SR	2	21	1 1/4"	1	
[Symbol]	2x6 Interior Non-bearing Wall w/ 1/2" SR 1 Side	2	0	6"	5	
[Symbol]	2x6 Exterior Bearing Wall w/ B&B Sliding & No SR	2	21	6 3/4"	12	
[Symbol]	2x4 Interior Non-bearing Wall w/ 1/2" SR 1 Side	2	0	4"	4	
[Symbol]	Fence	2	0	3 1/2"	2	
[Symbol]	2x6 Exterior Bearing Wall w/ B&B Sliding & 1/2" SR	2	21	1 1/4"	3	



SECOND FLOOR PLAN - SCALE: 1/4" = 1'-0"
LIVING AREA = 426 sq ft

SECOND FLOOR PLAN

PROJECT INFORMATION:
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 JOB NAME: PECHELES RESIDENCE
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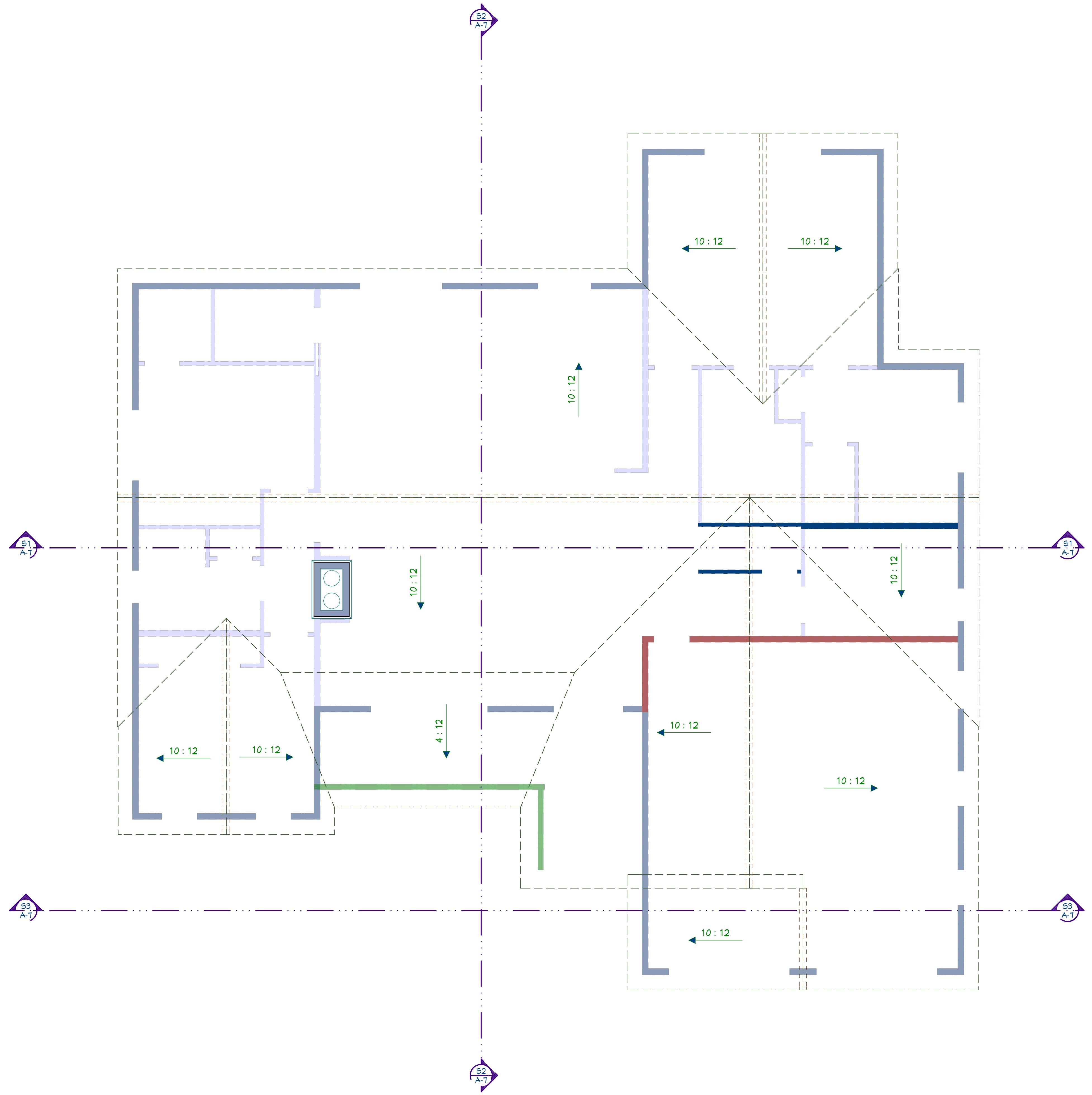
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DATE:
 12/9/2024

SCALE:
 AS NOTED

SHEET:
 A-2



PROJECT INFORMATION:
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Provost Home Design
 Custom House & Framing Plans

DATE:
 12/9/2024

SCALE:
 AS NOTED

SHEET:
 A-3



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



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

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FRONT & REAR
ELEVATIONS

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DATE:

12/9/2024

SCALE:

AS NOTED

SHEET:

A-4



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



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

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SIDE ELEVATIONS

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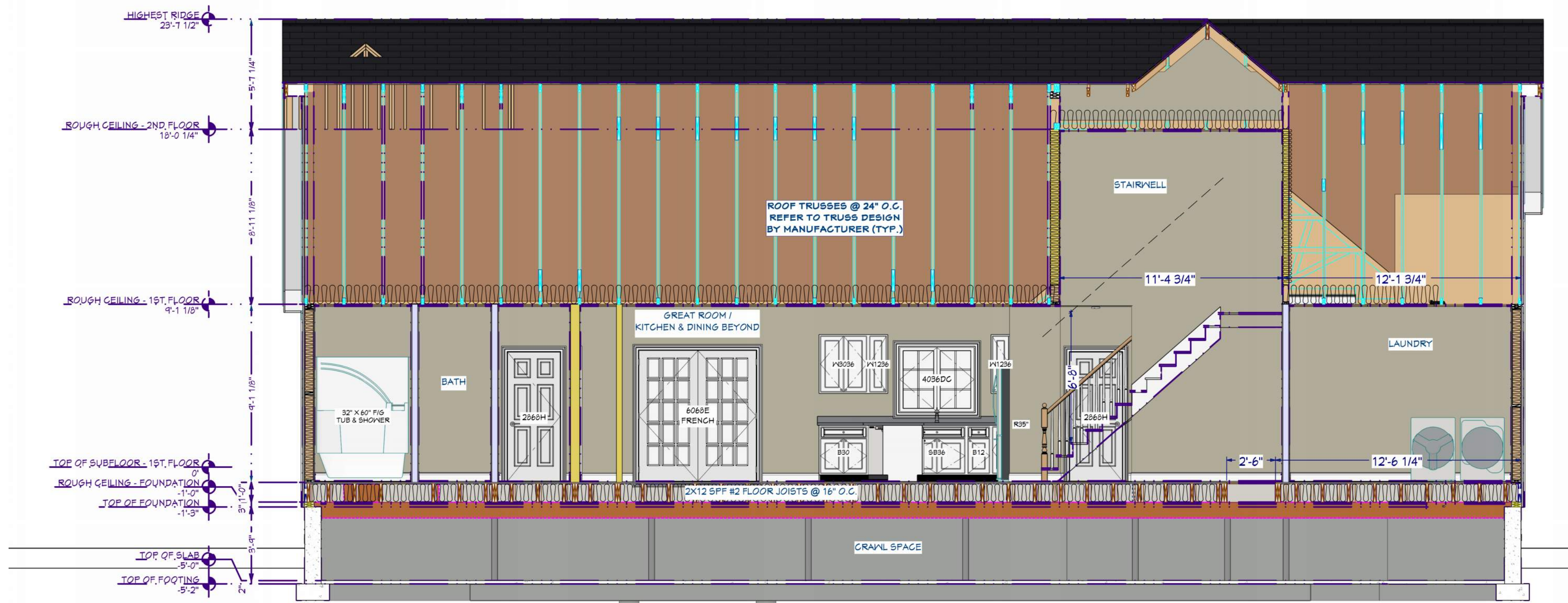
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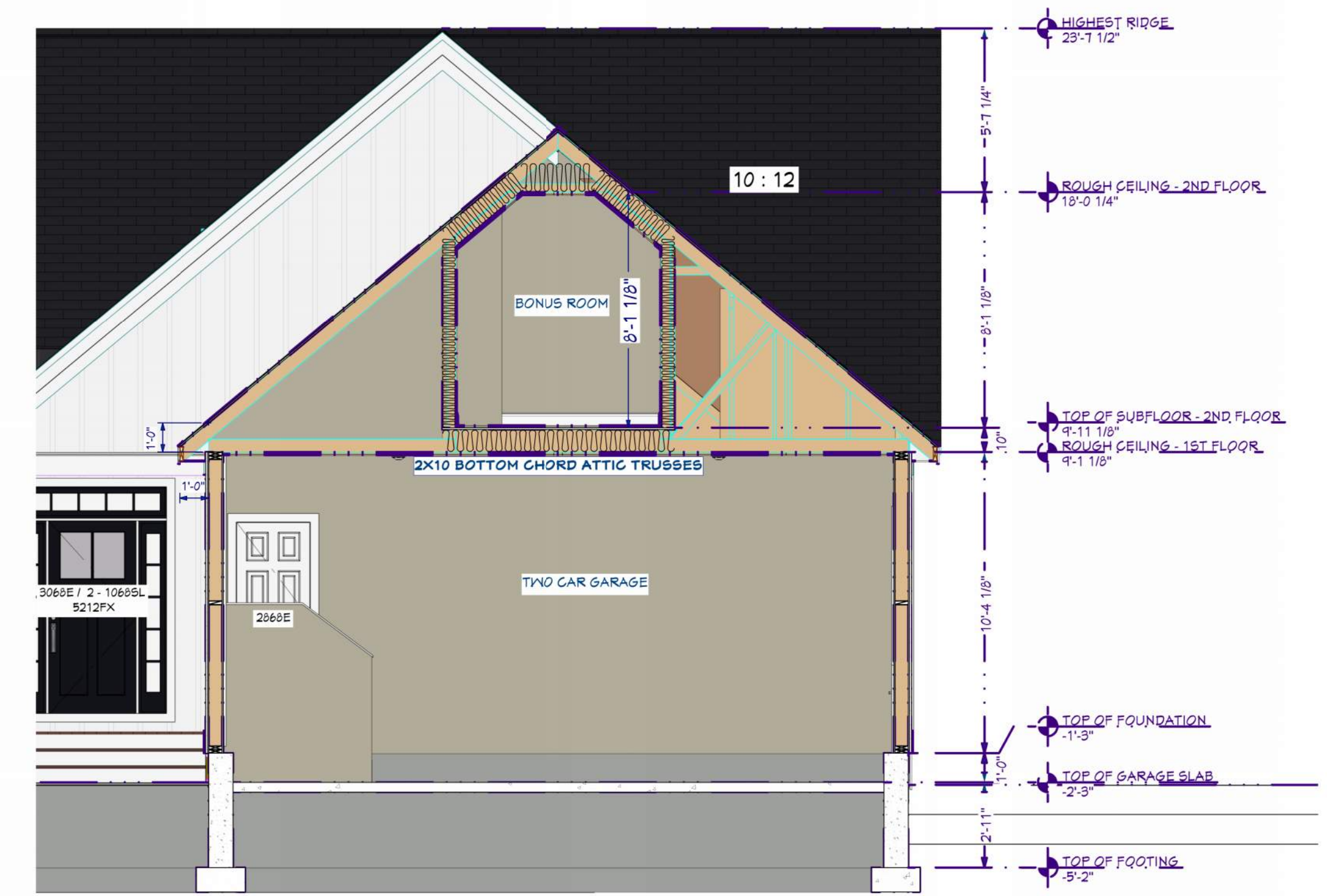
DATE:
 12/9/2024

SCALE:
 AS NOTED

SHEET:
 A-5



CROSS SECTION S1 - SCALE: 1/4" = 1'-0"



CROSS SECTION S3 - SCALE: 1/4" = 1'-0"



CROSS SECTION S2 - SCALE: 1/4" = 1'-0"

CROSS SECTIONS

PROJECT INFORMATION:
 JOB #: 241103
 JOB NAME: PECHELES RESIDENCE
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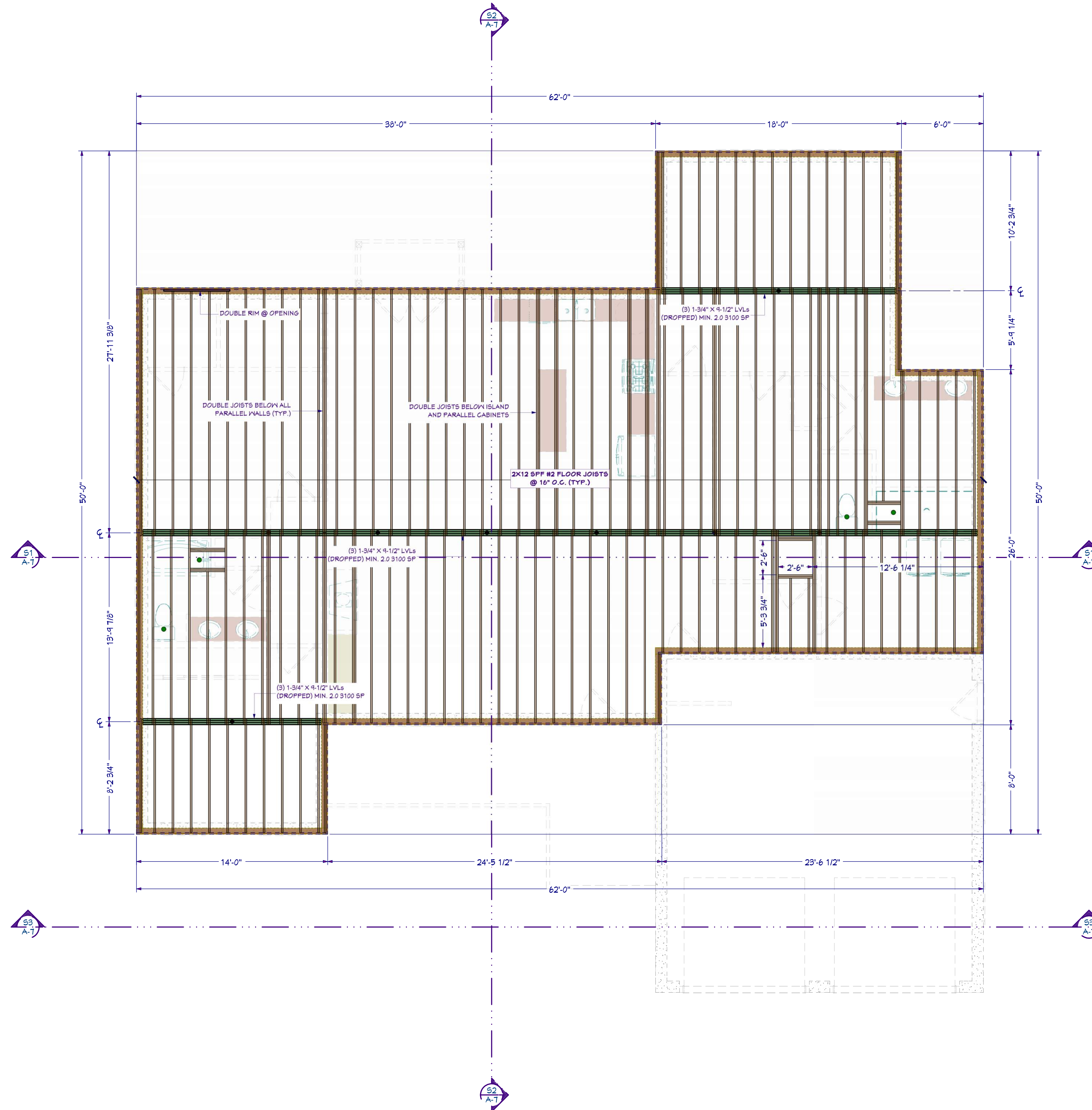
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DATE:
 12/9/2024

SCALE:
 AS NOTED

SHEET:
 A-6



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

FIRST FLOOR FRAMING PLAN

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 JOB #: 241103
 JOB NAME: PECHELES RESIDENCE
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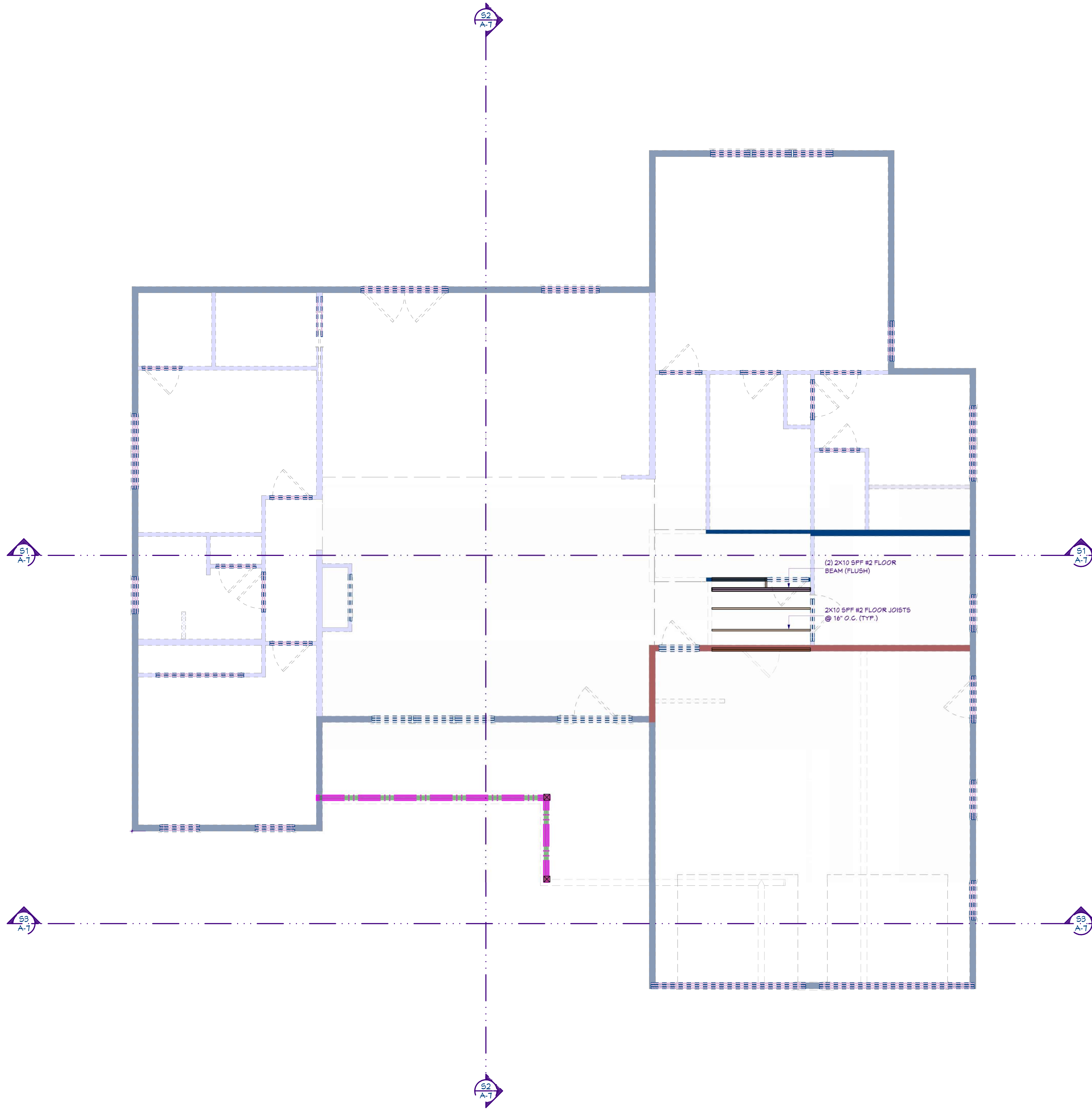
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DATE:
12/9/2024

SCALE:
AS NOTED

SHEET:
A-7



SECOND FLOOR FRAMING PLAN - SCALE: 1/4" = 1'-0"

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**SECOND FLOOR
 FRAMING PLAN**

DATE:

12/9/2024

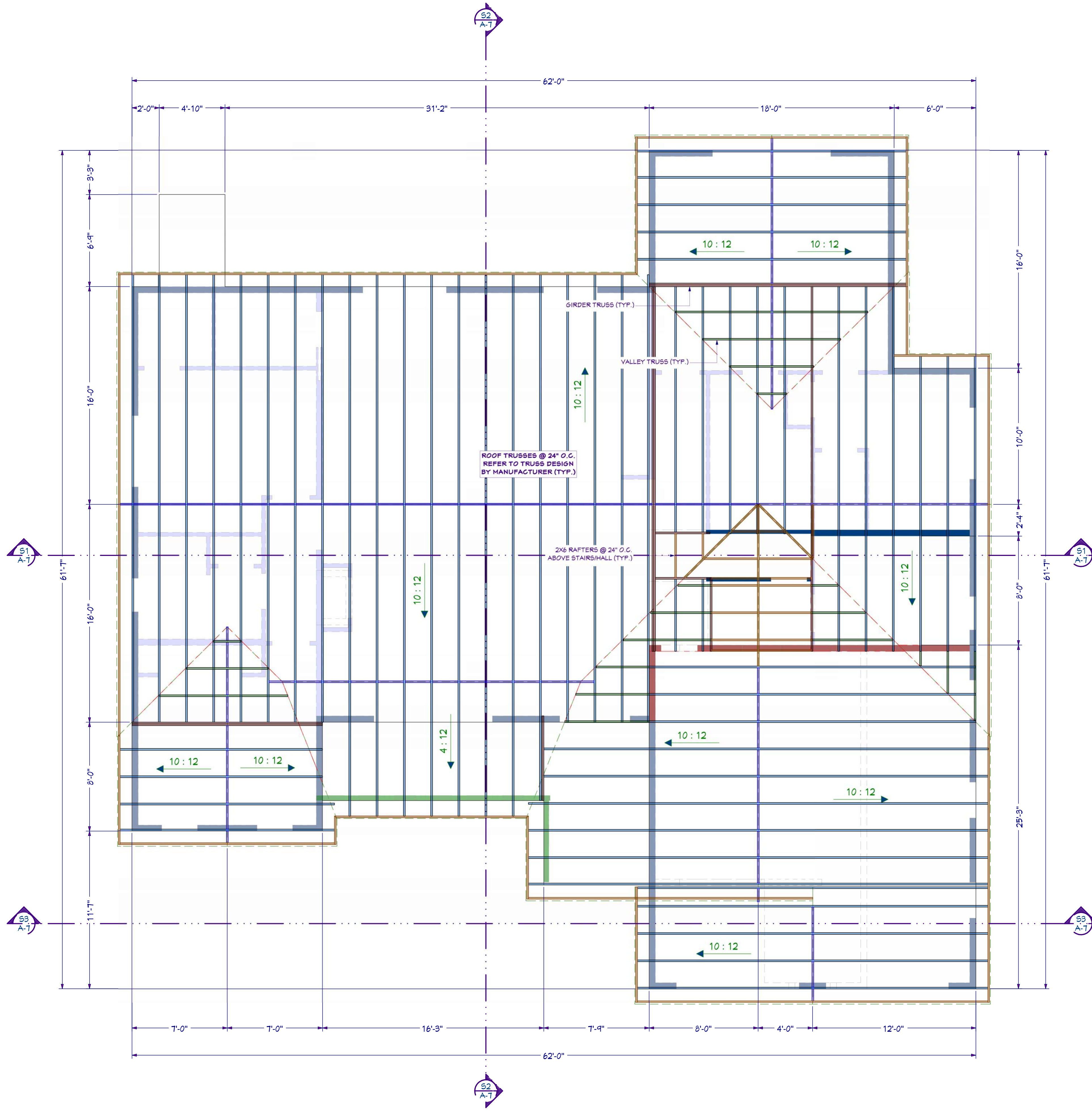
SCALE:

AS NOTED

SHEET:

A-8





ROOF TRUSSES @ 24" O.C.
REFER TO TRUSS DESIGN
BY MANUFACTURER (TYP.)

2x6 RAFTERS @ 24" O.C.
ABOVE STAIRS/HALL (TYP.)

GIRDER TRUSS (TYP.)

VALLEY TRUSS (TYP.)

ROOF FRAMING PLAN - SCALE: 1/4" = 1'-0"

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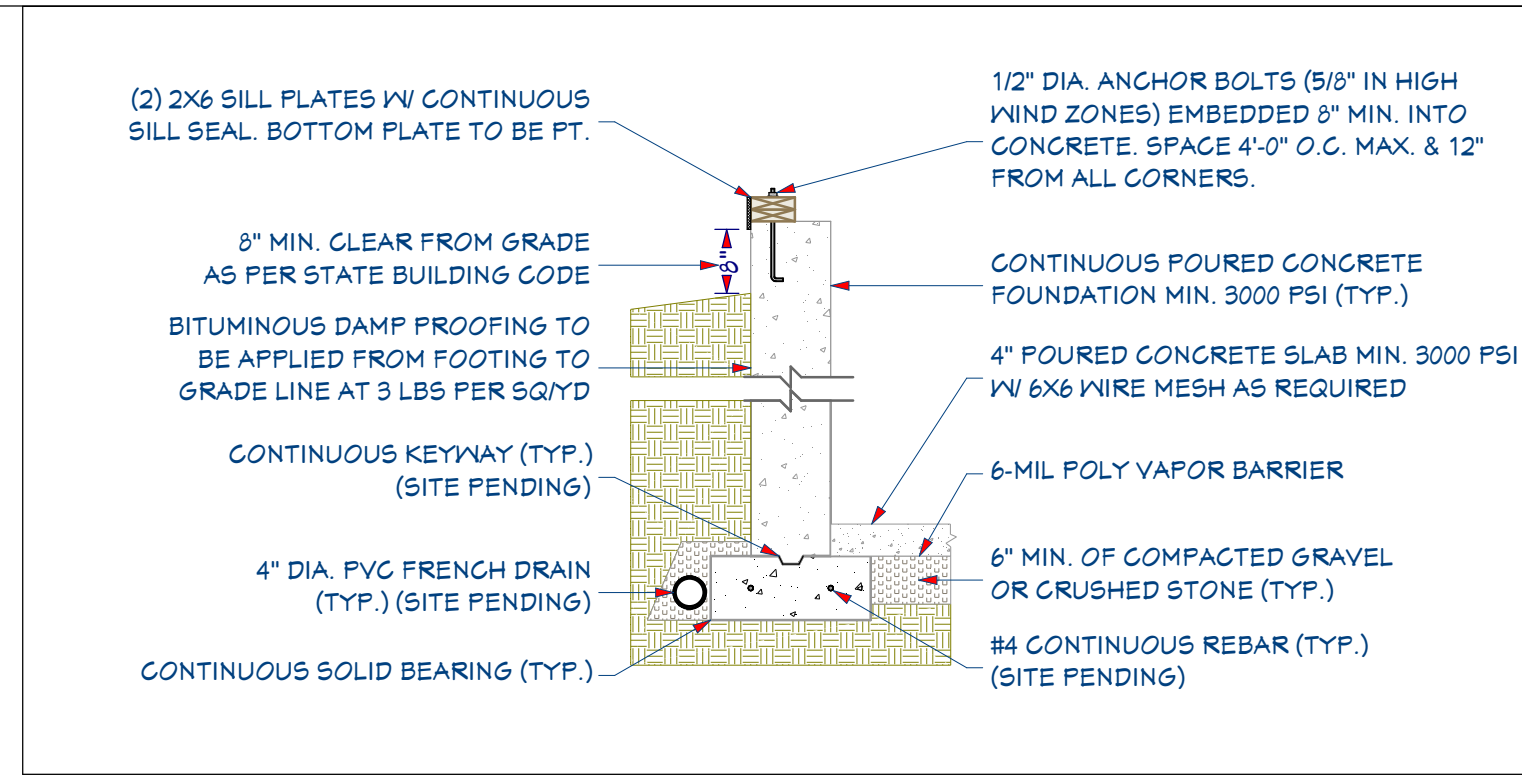
DESIGNER INFORMATION:
NAME: MICHAEL PROVOST
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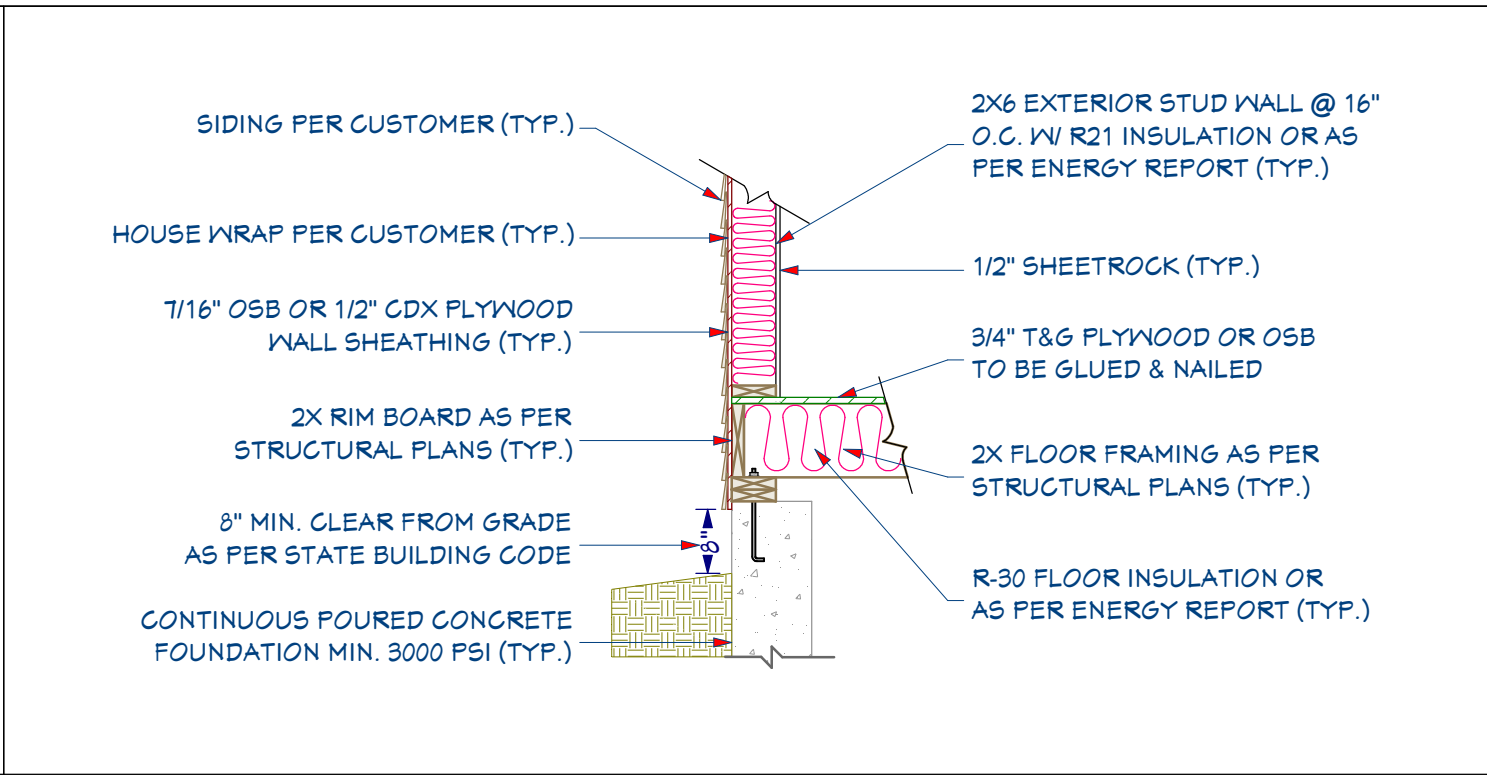
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12/9/2024

SCALE:
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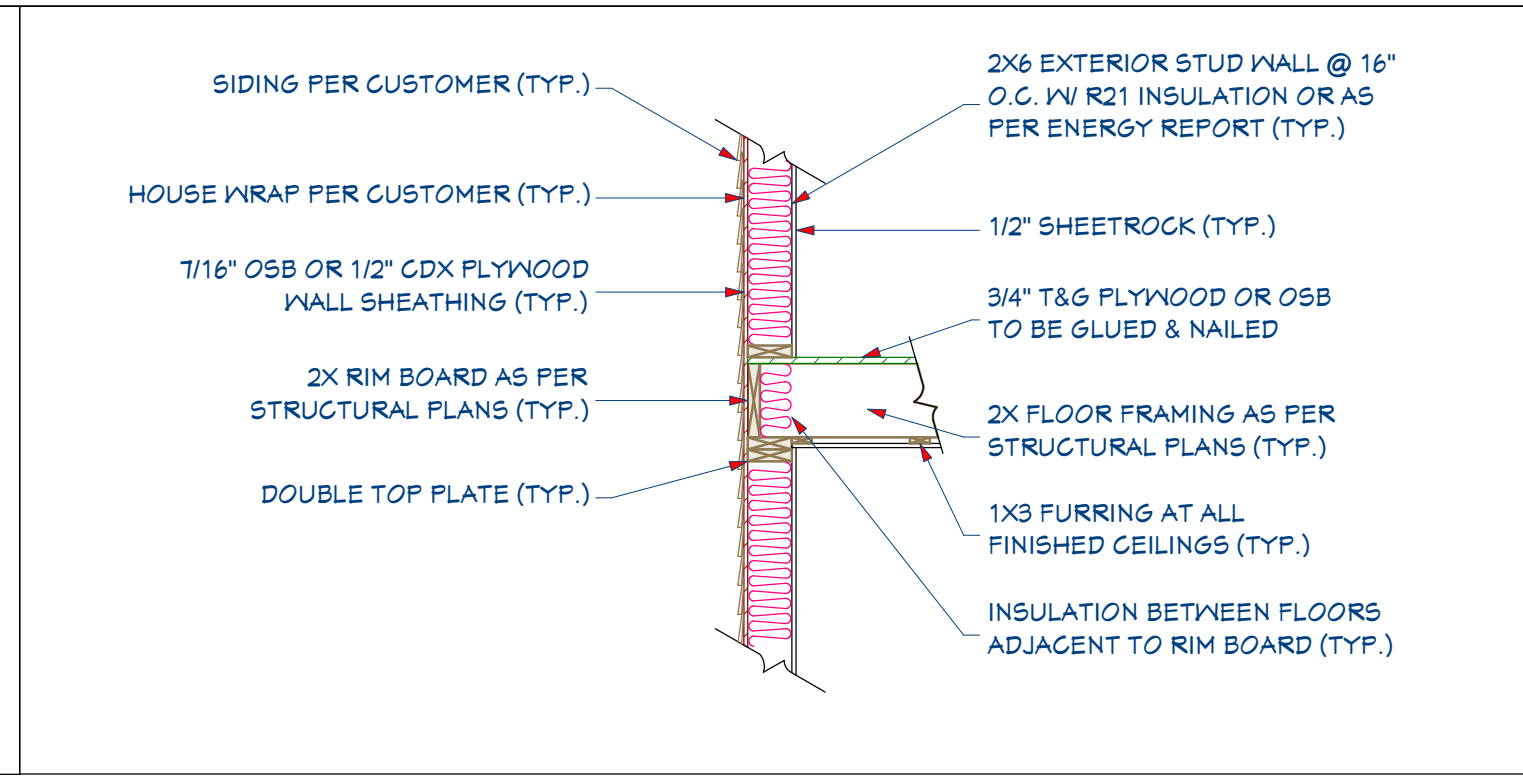
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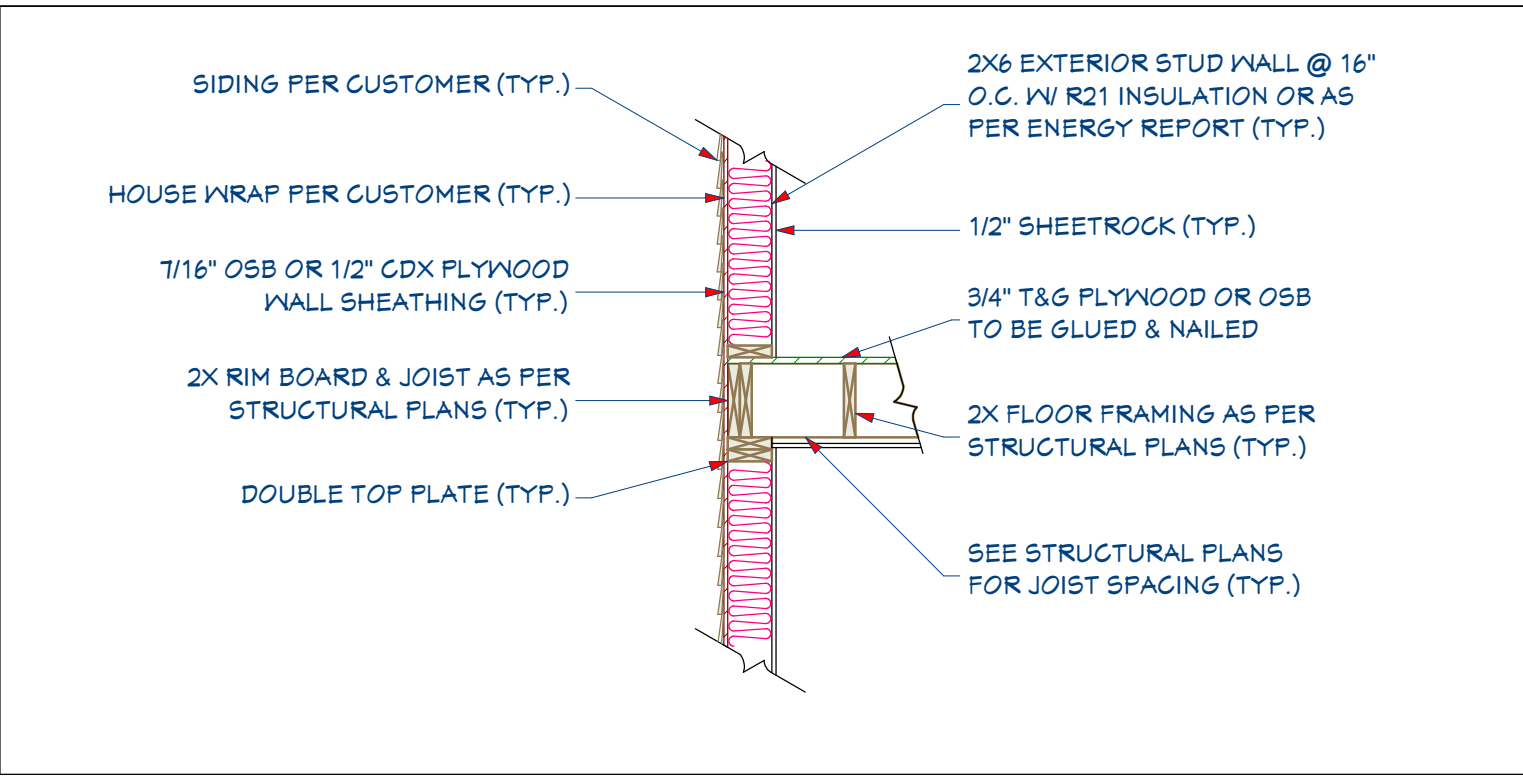
D1 - FOUNDATION WALL W/ DOUBLE SILL PLATES



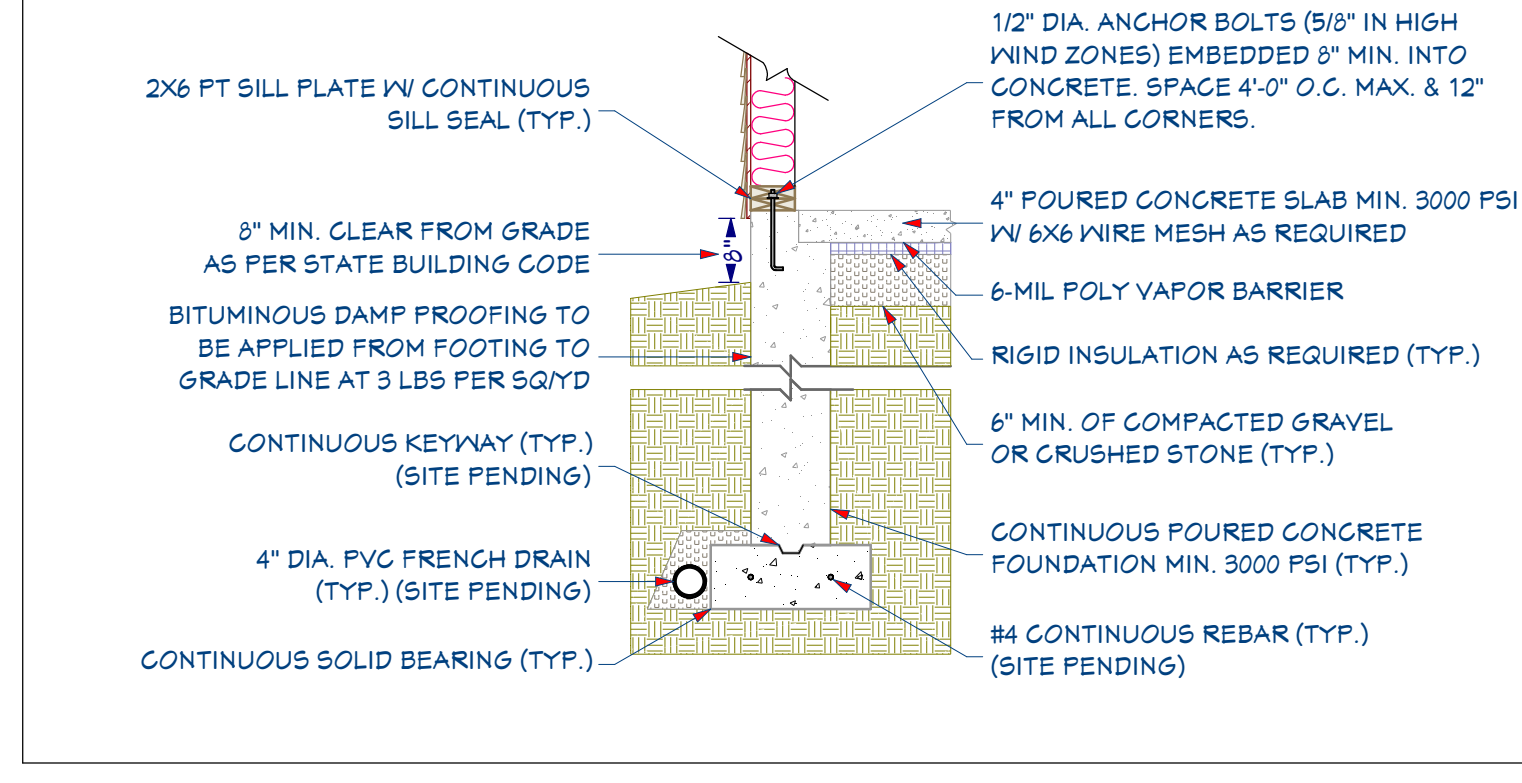
D2 - 2X FLOOR JOISTS ON DOUBLE SILL PLATES



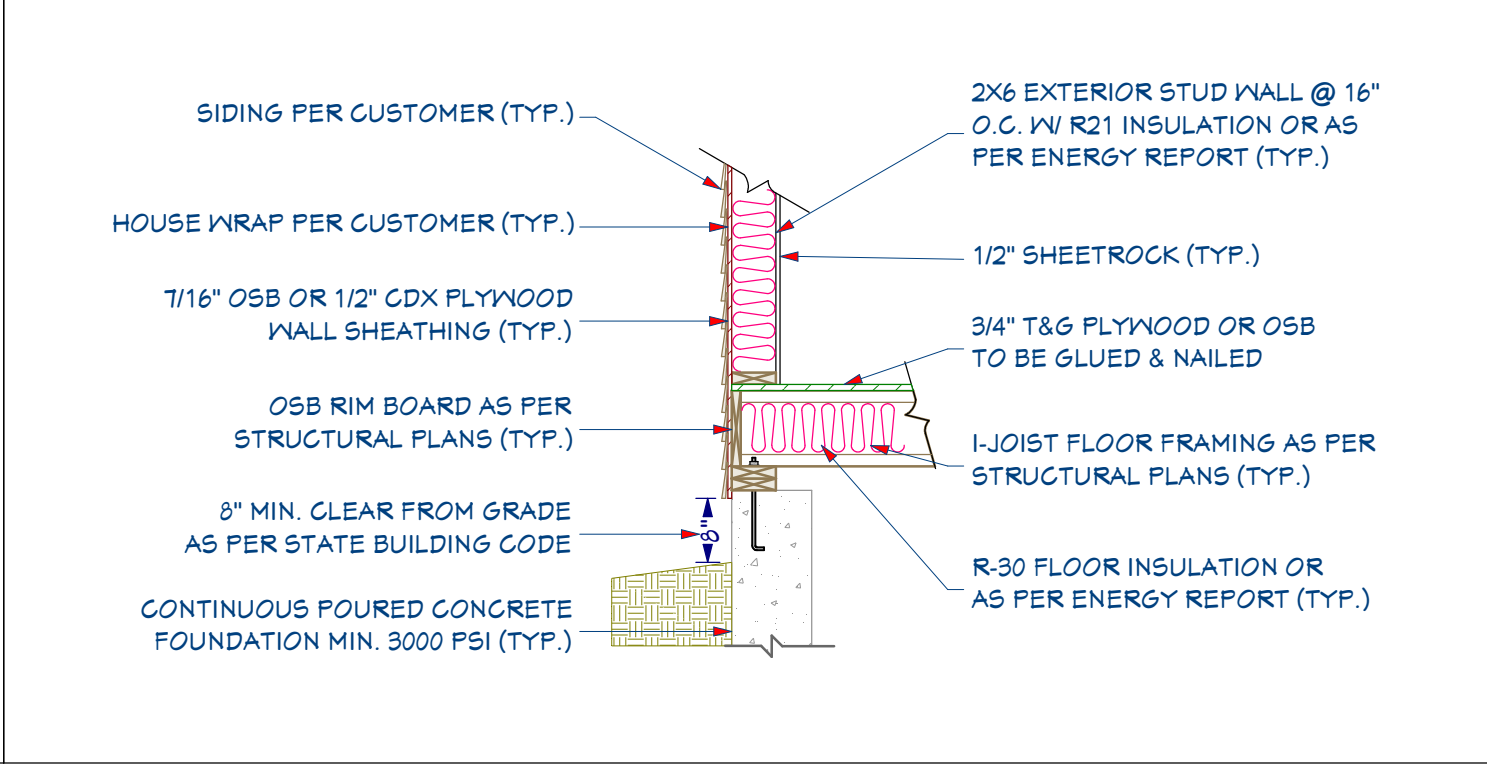
D3 - 2X FLOOR BETWEEN LEVELS



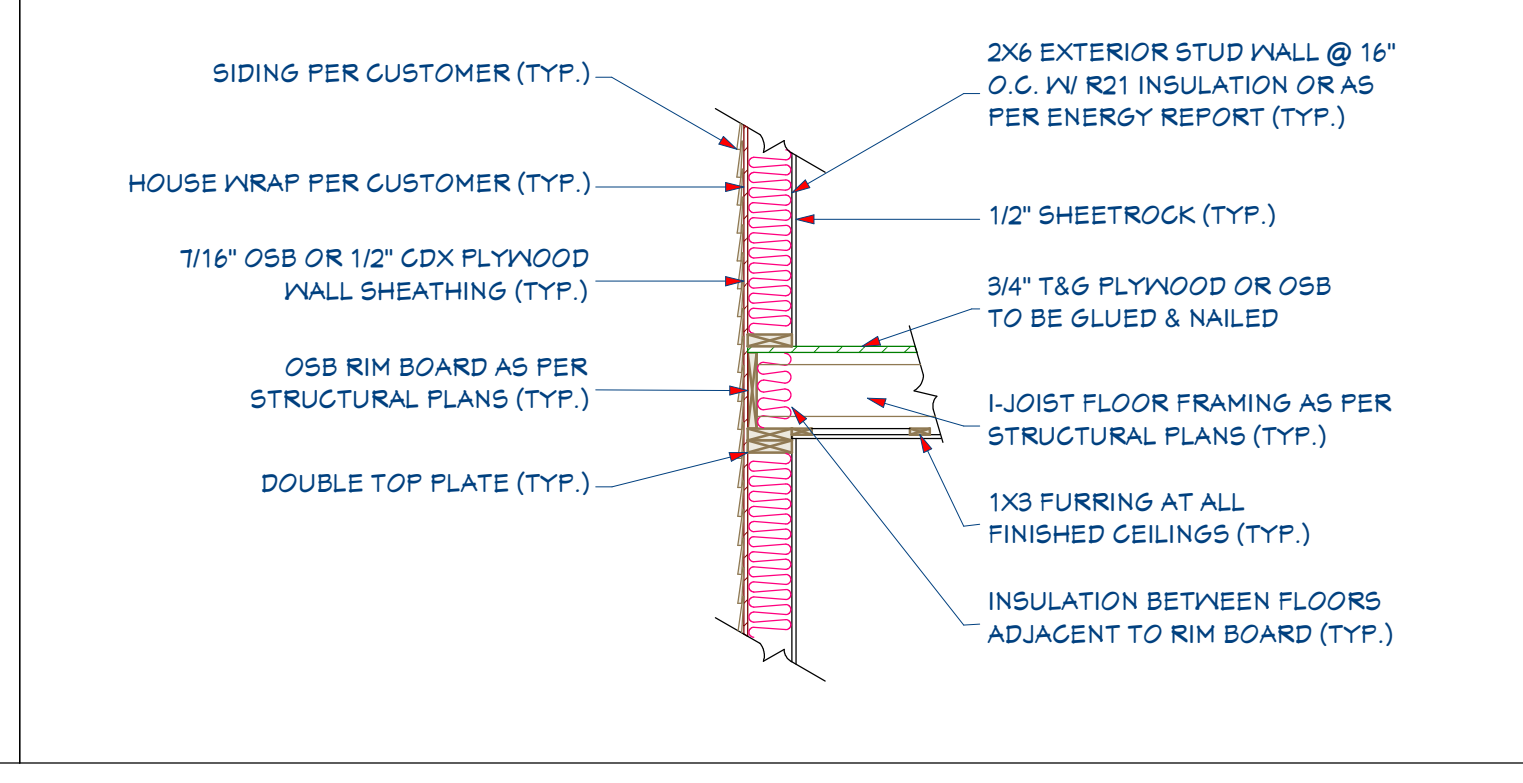
D4 - 2X FLOOR JOISTS PARALLEL TO WALLS



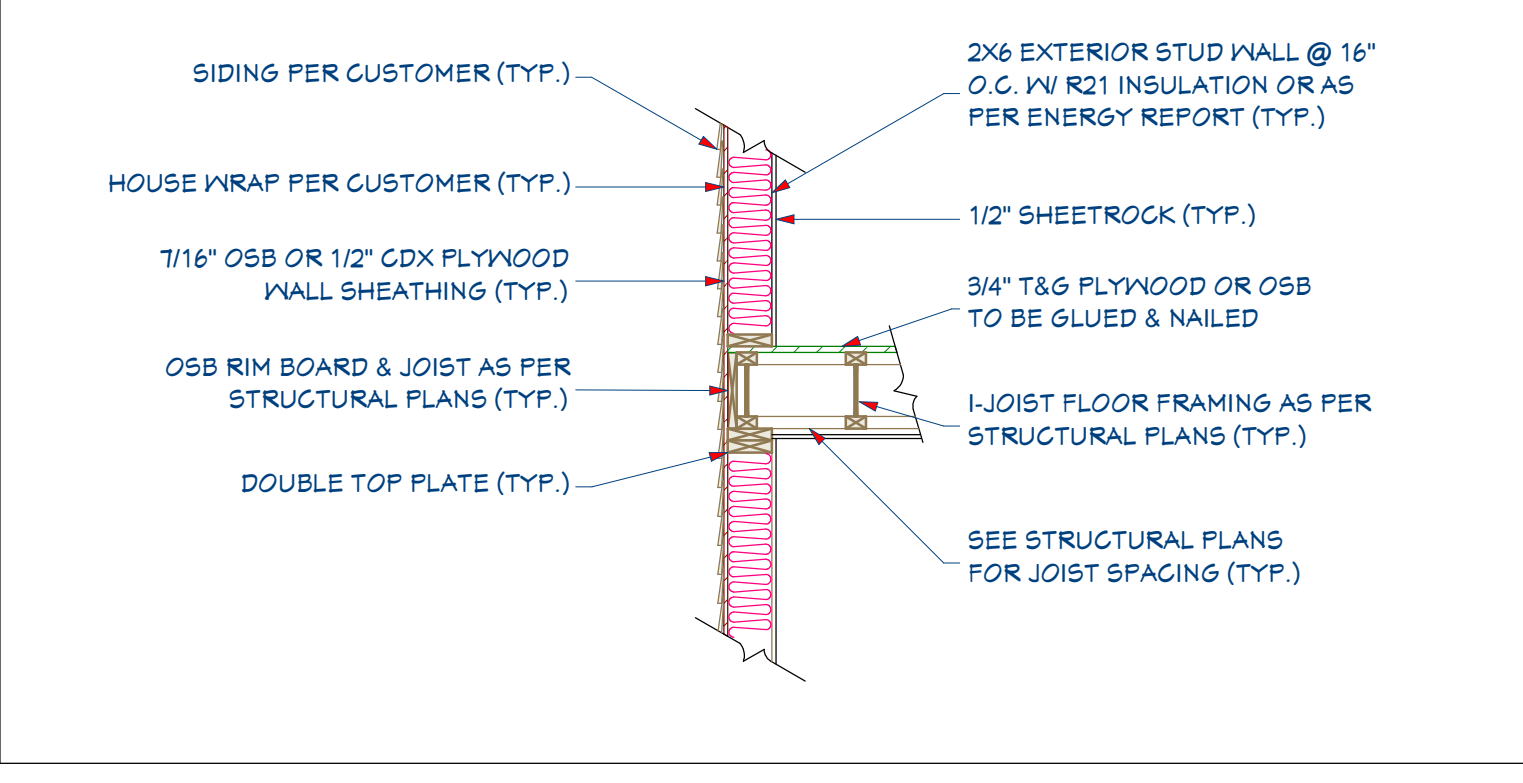
D5 - SLAB ON GRADE FOUNDATION AT WALK-OUT



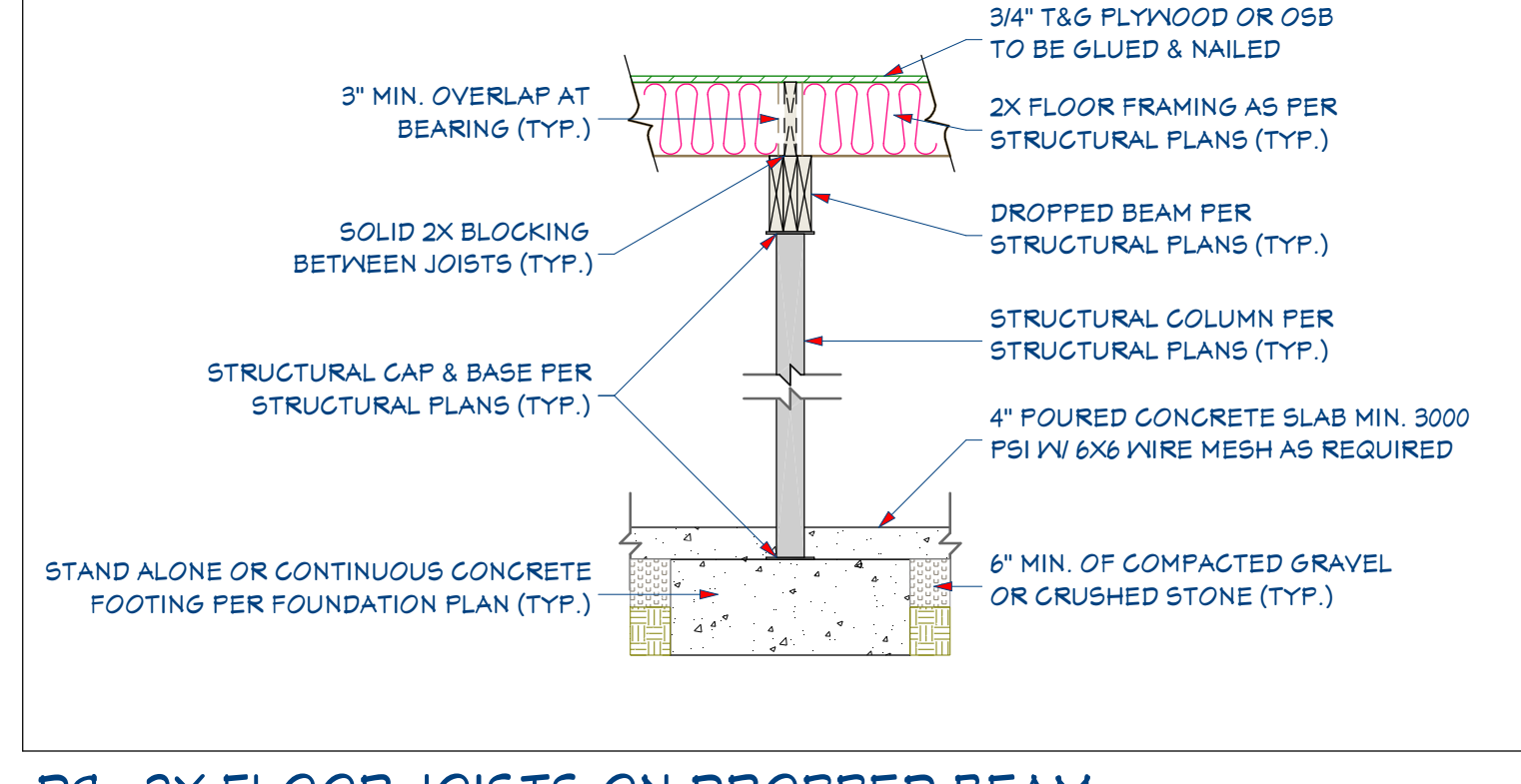
D6 - 1-JOIST FLOOR JOISTS ON DOUBLE SILL PLATES



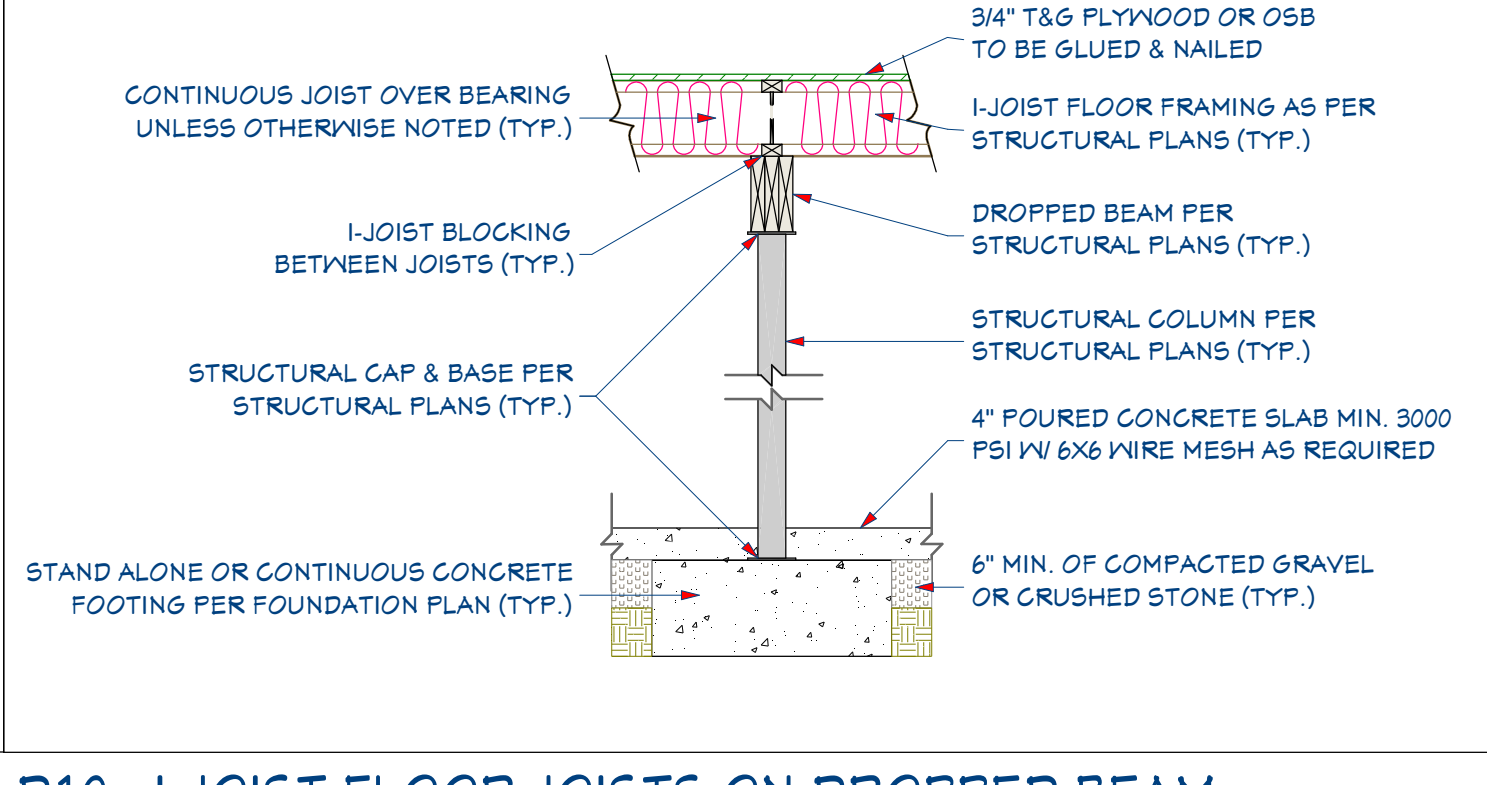
D7 - 1-JOIST FLOOR BETWEEN LEVELS



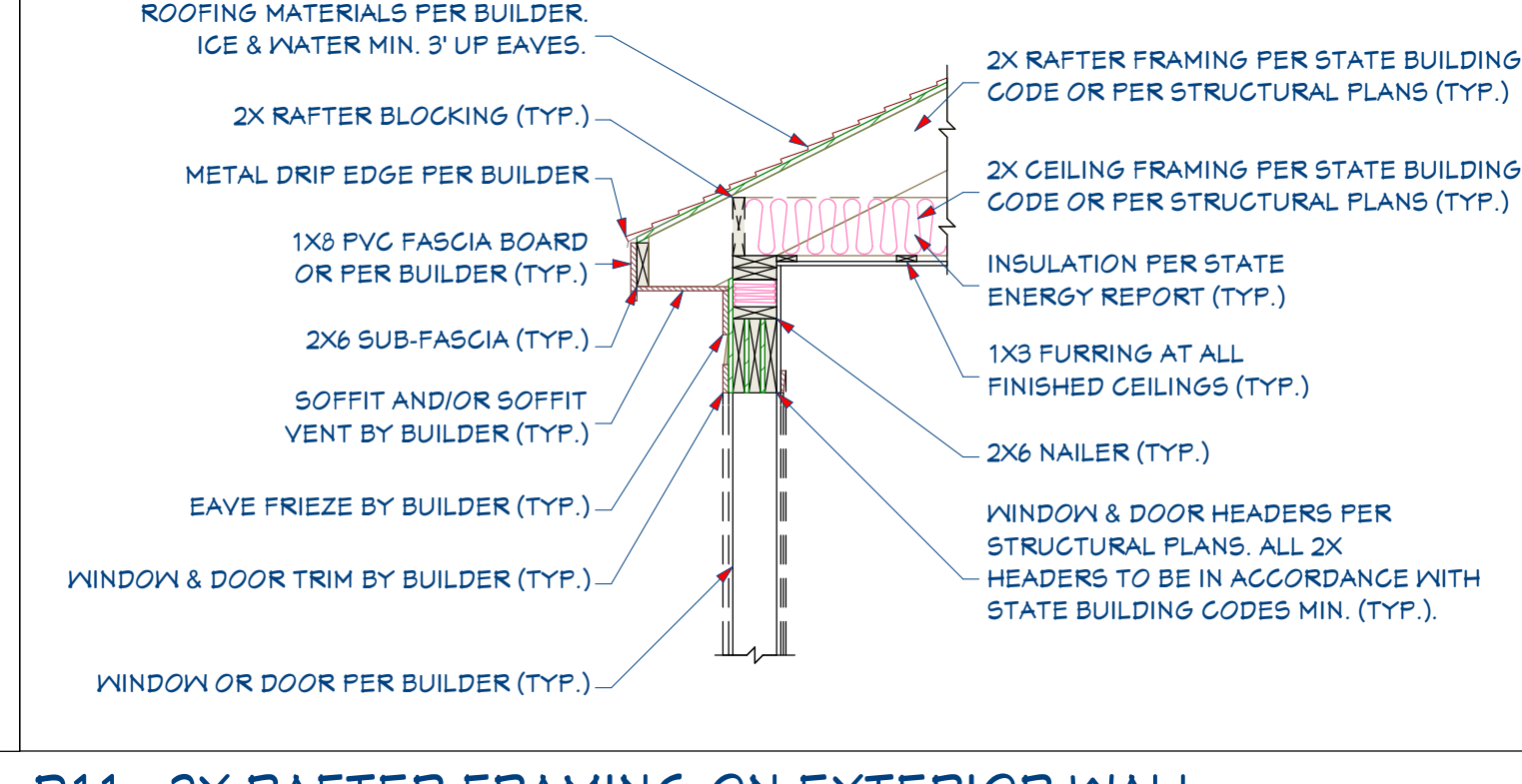
D8 - 1-JOIST FLOOR JOISTS PARALLEL TO WALLS



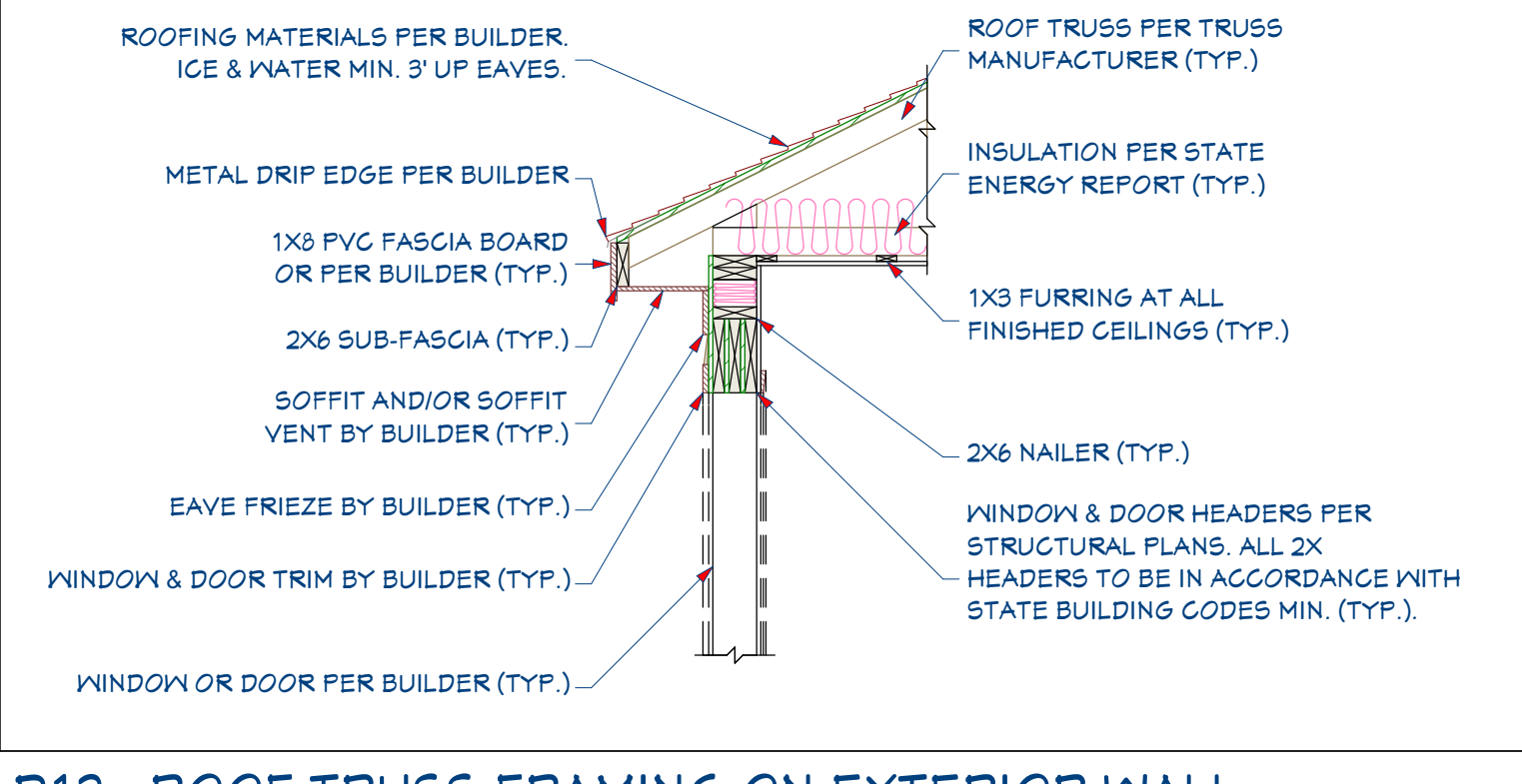
D9 - 2X FLOOR JOISTS ON DROPPED BEAM



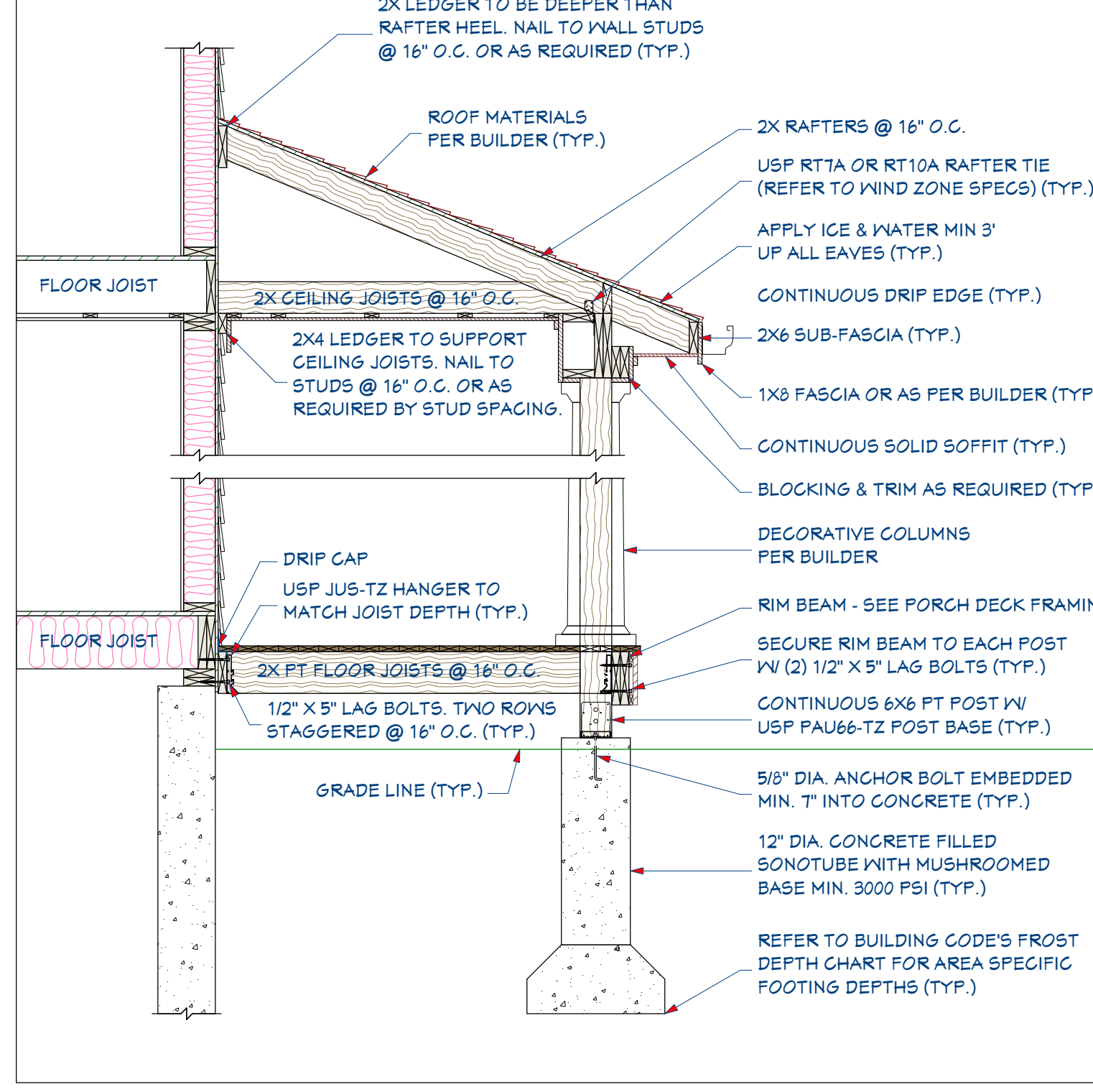
D10 - 1-JOIST FLOOR JOISTS ON DROPPED BEAM



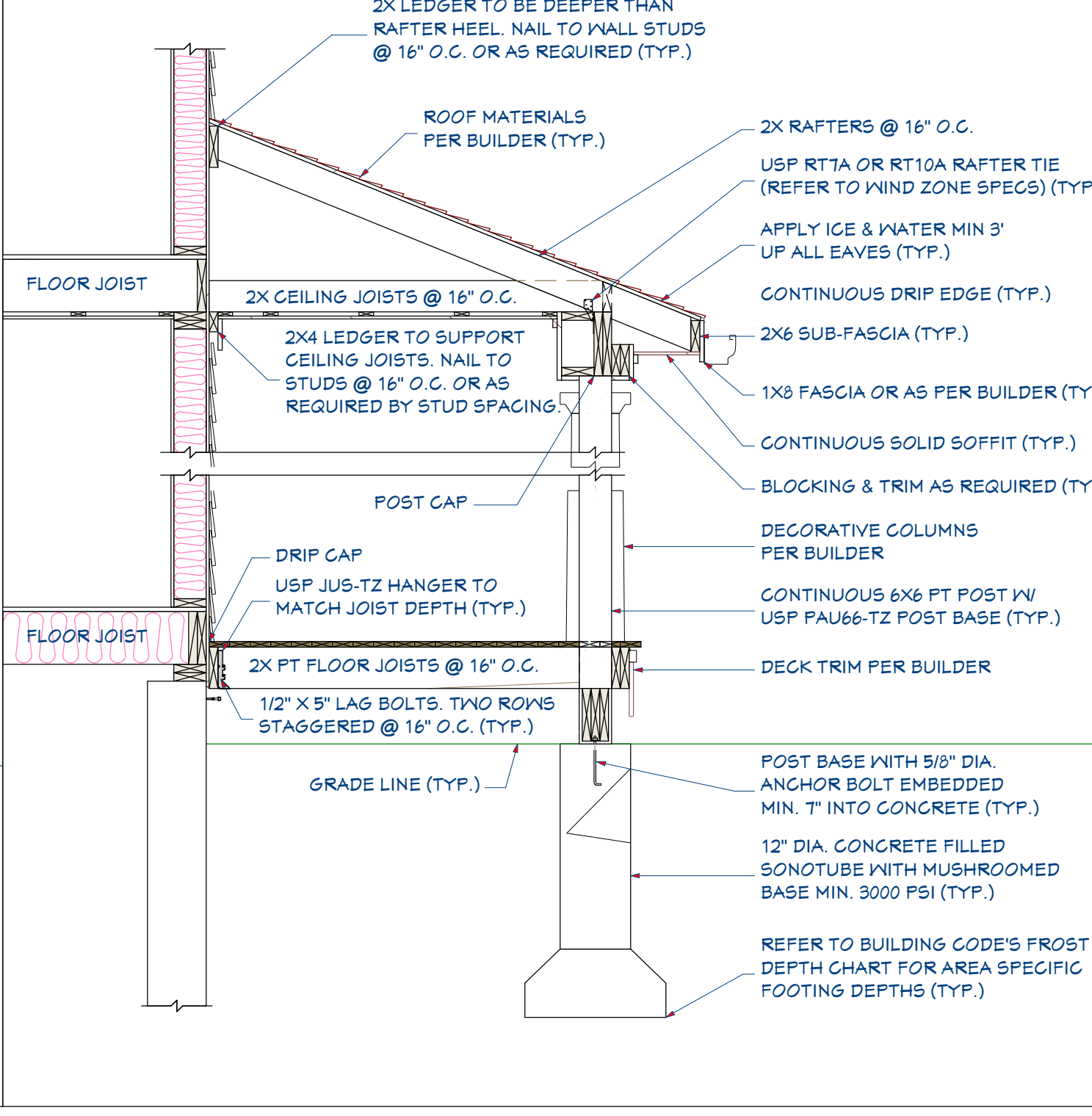
D11 - 2X RAFTER FRAMING ON EXTERIOR WALL



D12 - ROOF TRUSS FRAMING ON EXTERIOR WALL



D13 - 2X PORCH FRAMING



D14 - 2X PORCH FRAMING

ARCHITECTURAL
DETAILS

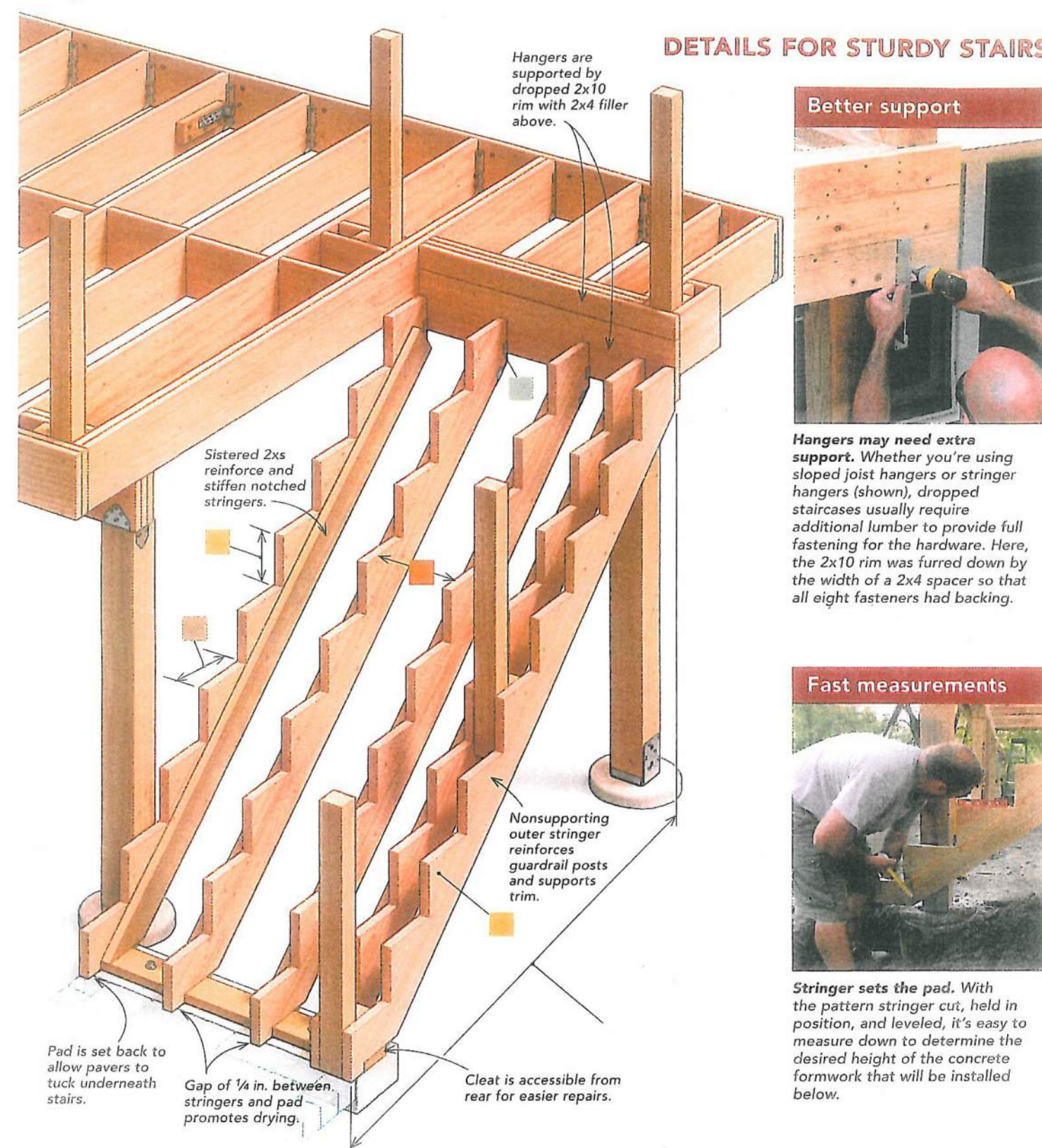
PROJECT INFORMATION:
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SCALE:
AS NOTED
SHEET:
A-10





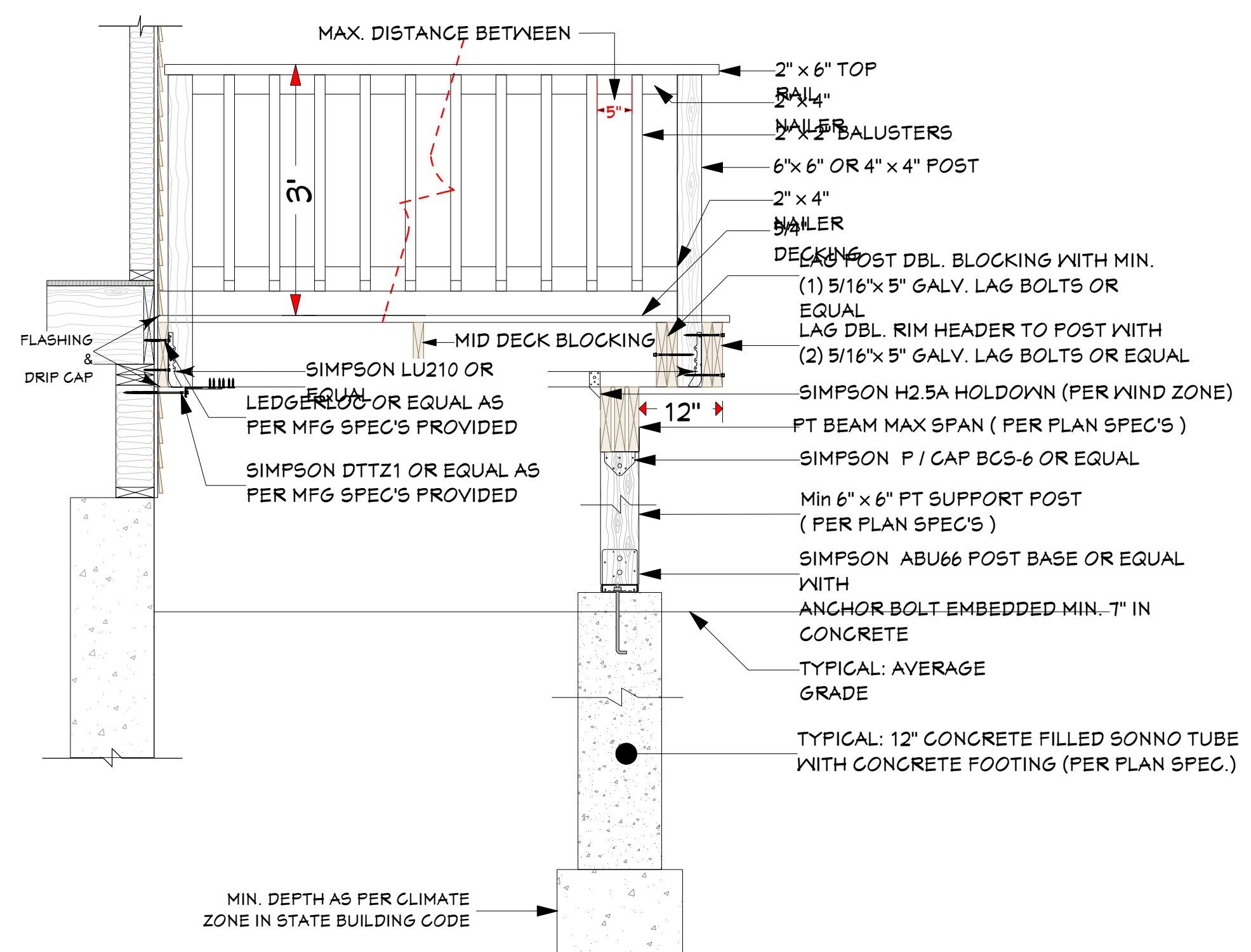
Better support

Fast measurements

Know the code Here are some of the most notable details to brush up on before framing your next set of deck stairs.

- Stringers must be cut from a minimum of 2x12 stock.
- Maximum span is 6 ft. for notched stringers (13 ft. for solid stringers).
- Sloped joist hangers or stringer hangers are required at the upper end of the stringers.
- Maximum width between stringers is 18 in.
- Maximum riser height is 7 1/2 in.
- Minimum tread width is 10 in.

NOTE : FOR ALL EXPOSED FRAMING AND STRUCTURAL MATERIAL IT SHALL BE PRESSURE TREATED. ALL NAILS, BOLTS & HARDWARE TO BE A MINIMUM OF ASTM A 653 TYPE G185 ZINC-COATED GALVANIZED STEEL, OR EQUIVALENT, SHALL BE USED.
(NOTE): IF DECK HEIGHT EXCEEDS 30" OR MORE ABOVE GRADE GUARDRAILS ARE REQUIRED AND ALL HANDRAILS, GUARDRAILS, AND STAIRS AS PER STATE BUILDING CODES.
(ALL HANGERS AND HOLD DOWNS AS PER WIND ZONE OR PLAN SPEC'S)



TYPICAL DECK WITH BEAM DETAIL - #61

Technical Evaluation Report (TER)

Loading Condition (Live Load, psf)	2x Nominal Ledger Species	Rim Joist Material	Maximum Deck Joist Spans						
			Up to 6'	Up to 8'	Up to 10'	Up to 12'	Up to 14'	Up to 16'	Up to 18'
			Maximum On-Center Spacing of LedgerLok Ledger Board Fasteners (Inches)						
40	HF/SPF	2x Nominal Sawn Lumber	20	15	12	10	8	7	6
	DF/SP	1" min EWP	25	19	15	12	10	9	8
60	HF/SPF	2x Nominal Sawn Lumber	14	11	8	7	6	5	4
	DF/SP	Nominal Sawn Lumber	18	13	10	9	7	6	5
		1" min EWP	18	13	10	9	7	6	6

1. Based on load duration of 1.0. Spacing may be adjusted by the applicable load duration as specified in NDS 2005.
 2. Fasteners are required to have full thread penetration into the main member. Excess fastener length extending beyond the main member is not reflected in the table above.
 3. Solid sawn band joists shall be HF, SPF, DF-L or SP species.
 4. Fastener spacing is based on tested loads. The design values use the lesser of a 1/8" deflection or a factor of safety equivalent to or greater than that of the code compliant lag screw application as defined in Figure 2.
 5. A maximum 1/2" structural sheathing may be installed between the ledger and the band joist.
 6. Table values assume 10 psf dead load.

Table 2: LedgerLok Fastener Spacing for Items in IRC Table 502.2.2.1 & Other Materials & Loading Conditions

- 5.4. When installed in accordance with the spacing requirements of Table 2, LedgerLok Ledger Board Fasteners provide equivalent performance to 2009 IRC Table R502.2.2.1.
6. Installation:
- Choose a 3-3/8" or 5" LedgerLok Ledger Board Fastener so that the threads fully engage the rim material and the fastener tip extends beyond the back face of the rim material when fully seated against the installed ledger.
 - Using a high-torque, 1/2" variable-speed drill (18V if cordless), drive the fasteners through the ledger and sheathing. Continue into the rim joist until the built-in washer head is drawn firm and flush to the ledger board. Do not overdrive.
 - Figure 2 shows a detail of the LedgerLok Ledger Board Fastener deck connection, including minimum edge and end distances.

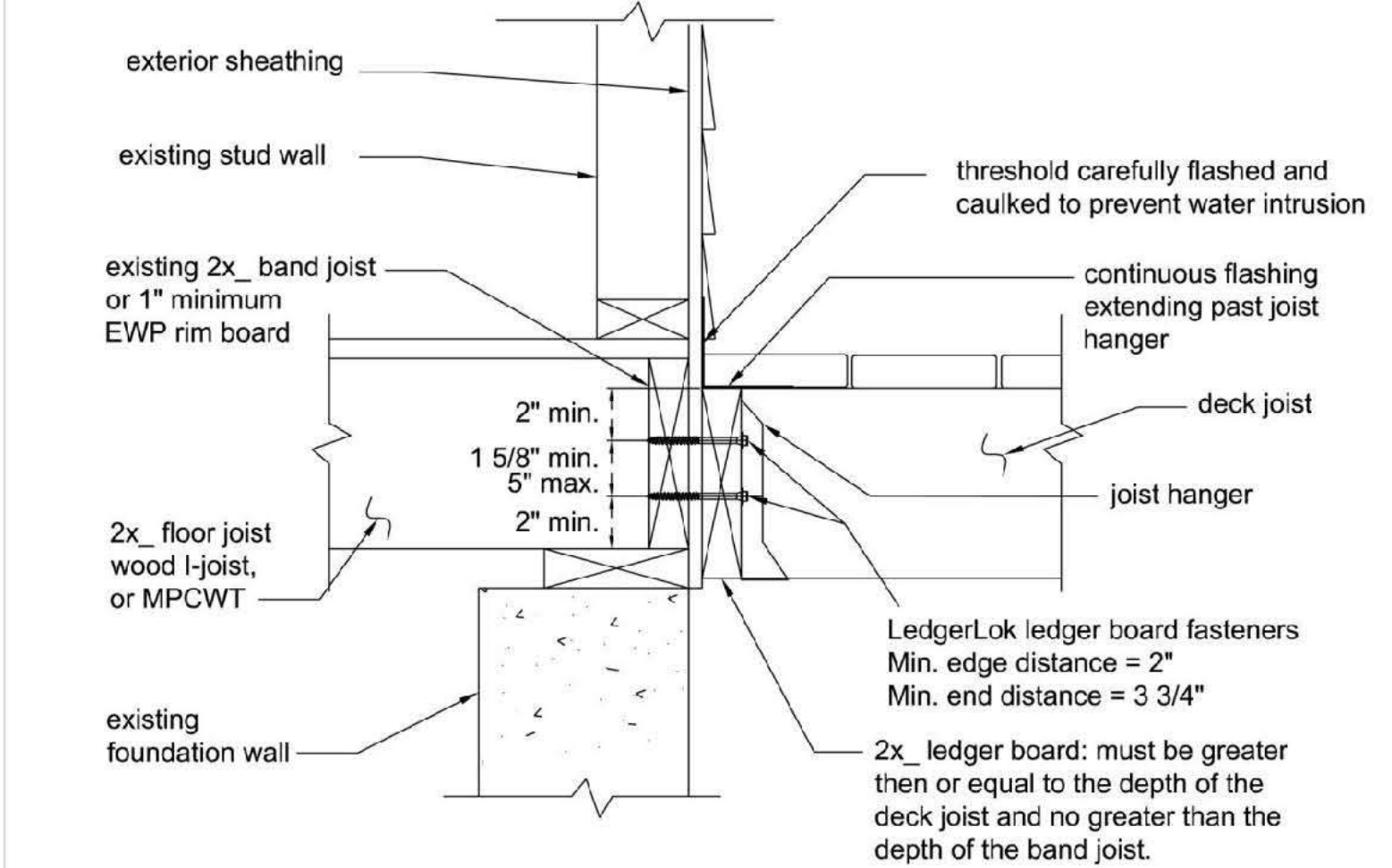


Figure 2: LedgerLok Ledger Board Fastener Deck Connection

TER No. 1203-03
 FastenMaster LedgerLok™ Ledger Board Fasteners

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NOTES FROM THE FIELD
KNOWLEDGE FOR THE BUILDER

Although no substitute for specific code requirements or the manufacturer's installation instructions, here are some helpful insights, often overlooked caveats, and general advice for properly installing hardware and metal connectors on a typical deck.

Rim and guardrails

Technically, you can attach guardrail posts however you like, as long as you can prove that the attachment will allow them to withstand 200 lb. of concentrated live load applied anywhere along the top. Tension ties and blocking are the most common solutions, however.

Working together with midspan blocking

A deck's rim keeps the joists from rolling over. To do its job, the rim must be fastened to the joists with 3-in.-long #10 wood screws, or 10d 3-in. threaded nails. If a double rim is used, these fasteners should be installed before the second layer is applied.

Guardrail posts attached to a rim

are only as strong as the rim's attachment to the joist ends. Posts in these locations should be tied to joists with blocking or tension ties, too.

If guardrail posts are being reinforced with tension ties

approved for that application (such as Simpson's DTT2, right), the joists must be 2x8 or larger. Smaller joists don't provide enough depth for the fasteners to resist the leverage applied to the railings.

Beam, posts, and footings

Clearance from the post base to the edge of the footing varies by the type of connector and anchor. Generally, the shallower the anchor embedment, the closer to the edge of the footing you can get. Keep in mind that minimum edge distances are a separate issue from sizing a footing to carry deck loads, and honest calculations for these two criteria usually result in a need for larger footings than are commonly used.

Post caps, regardless of type or thickness, are not designed to provide sway resistance.

If you need to resist racking forces in a tall deck, the posts must be stiffened with angled wood bracing between post and beam or by sinking the posts into the footings.

Even when installing beams so that they bear directly on posts, you can't rely on toenails for this connection.

Ledger, joists, and stringers

Overdriving ledger screws reduces their holding strength. They should be driven only until the back of the washer head contacts the face of the wood.

Joists must be cut to sit within 1/8 in. of the ledger, and to satisfy code, must maintain at least 1 1/2 in. of full bearing contact with the seat of the hanger.

Hangers must match the joist they support. Hangers that are undersize place all of the forces into the bottom of the bearing contact with the seat of the hanger, which can split off.

Much of a joist hanger's capacity relies on the 45° fasteners, which must be 3 in. long to pass through the joists and into the ledger.

Deck frames must be tied back through the ledger and into the house framing, usually using tension ties. Depending on the type, you need at least two, but sometimes four, of these connectors.

Only inverted flange hangers are tested for use at ledger ends. Never bend or cut a standard hanger for this spot.

Toenails are a fast way to attach the joists to the beam but aren't a long-term solution for preventing movement. Hurricane ties are a more durable way to reinforce the connection between the joists and beam.

Stringer hangers have minimum bearing requirements. If the first step is below the deck surface, then a wider header or dropped header will be needed.

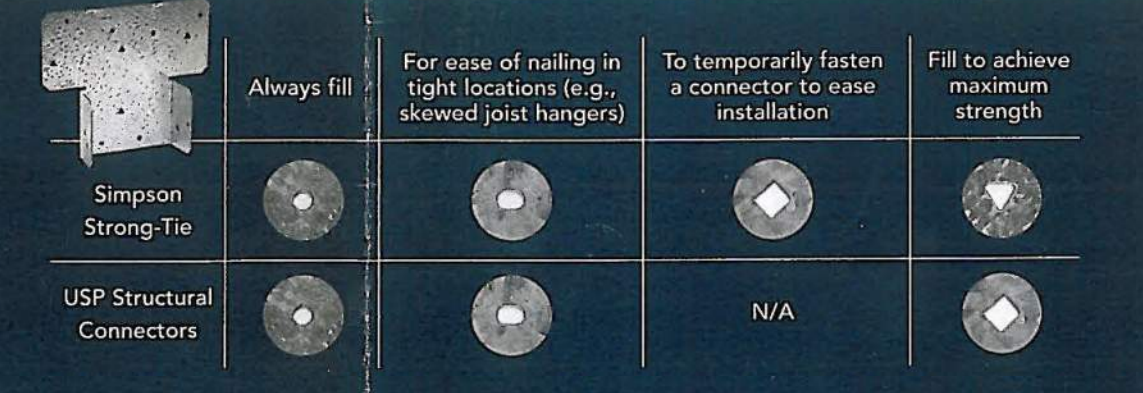
Midspan support is required for notched stringers that span more than 6 ft. (measured horizontally). Distances longer than that require midspan support posts that land on a minimum 6-in.-thick footing.

You don't need joist hangers at the rim opposite the ledger unless it's also acting as a flush carrying beam.

FOUR GENERAL REQUIREMENTS

Before diving into the details of each metal connector, learn these golden rules for deck hardware.

- The right connector:** Connectors are designed and tested for specific applications. There are no tested values to support their use—either in their original form or an altered form—for reinforcing other connections.
- The right finish:** The mistake inspectors see most frequently is the use of metal connectors with one type of weather resistance (galvanization or stainless steel) and fasteners with another type.
- The right fasteners:** In many cases, using hardware screws rather than nails is allowed. These screws are specifically designed with a ductile (softer) core, which allows them to bend under load rather than snap. You can't use deck screws or other general-construction screws.
- The right fastening pattern:** Achieving the designed strength of a metal connector means using the proper number of fasteners. The punched holes in each connector—the only places where fasteners should be driven—are shaped by the manufacturer to match fastening guidelines (see key, right).



DECK DETAILS

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Provost Home Design
 Custom House & Framing Plans

DATE:

12/9/2024

SCALE:

AS NOTED

SHEET:

A-11

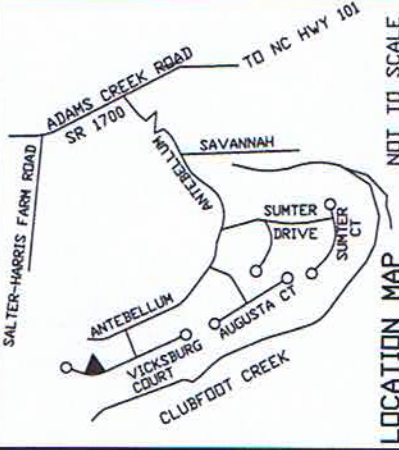
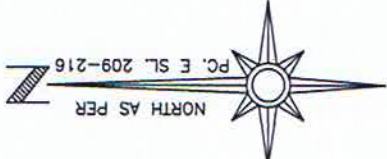
NOTES AND LEGEND:
 AREA BY COORDINATES
 RATIO OF PRECISION 1:10,000+
 EIP - EXISTING IRON PIPE
 EIR - EXISTING IRON ROD
 R/W - RIGHT OF WAY
 BURIED ELECT., TELE., AND TV
 NO BURIED UTILITIES LOCATED
 CALL 811 BEFORE DIGGING
 MBL - MINIMUM BUILDING LINE
 D&UE - DRAINAGE & UTILITY EASEMENT
 SETBACKS TAKEN FROM SUB. PLAT
 SEE ALSO RESTRICTIVE COVENANTS
 COUNTY WATER SERVICE
 WM - WATER METER

COMMUNITY SEPTIC SYSTEM
 NO SEWER TAP VISIBLE
 X 9.5 - EX. SPOT ELEVATION
 ABOVE MEAN SEA LEVEL
 ET - ELECTRIC TRANSFORMER
 TV - CABLE TV PEDESTAL
 TP - TELEPHONE PEDESTAL

CONSTRUCTION NOTES:
 SEE HOUSE PLANS FOR DIMENSIONS
 CONTACT SURVEYOR PRIOR TO REVERSING
 OR ADJUSTING HOUSE

EX BOLT
 IN CL. C-D-S
 SITE TBM
 ELEV. 80'
 NAVD 88 MSL
 NORTN-K-VRS GPS

LINE LEGEND
 — PROPERTY LINE
 — ADJACENT PROPERTY LINE
 — SETBACK OR EASEMENT
 — CENTERLINE OF ROAD
 — FLOOD BOUNDARY
 — CL DRAIN
 — TOP OF SLOPE
 — PROPOSED EDGE OF WOODS



IMPERVIOUS AREAS
 HOUSE = 2,901 SF
 CONCRETE DRIVE = 1,425 SF
 TOTAL = 4,326 SF
 ALLOWABLE = UNKNOWN
 >10,000 REQUIRES STATE
 STORMWATER PERMIT

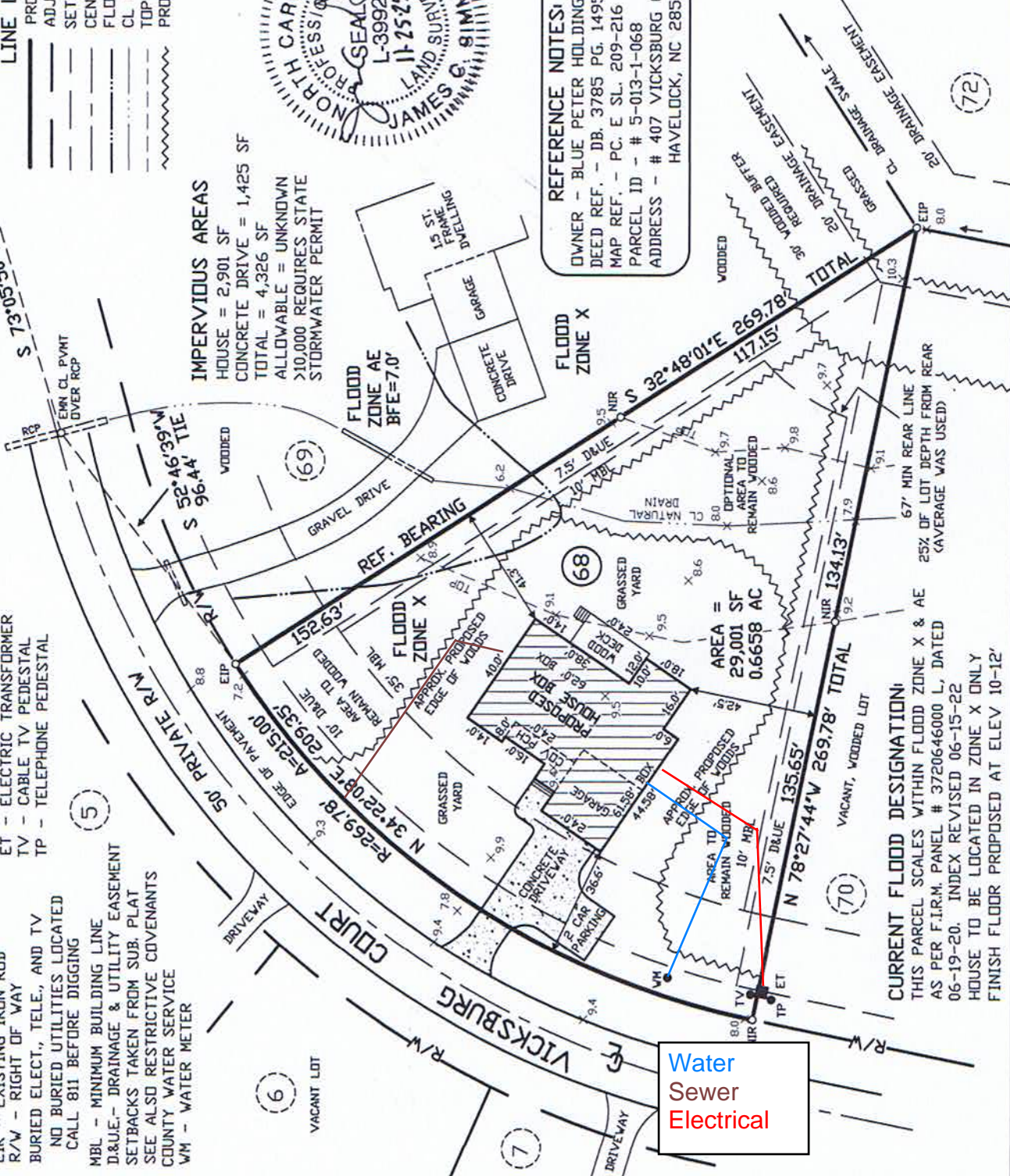


SURVEYORS CERTIFICATION
 I, James C. Simmons, Jr., CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY DIRECT SUPERVISION, DEED DESCRIPTION RECORDED IN BOOK 3785 PAGE 1495 OR OTHER REFERENCE SOURCE PC.E SL. 209-216 THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN DB. SEE PG. DEEDS OR OTHER REFERENCE SOURCE SEE MAP THAT THE RATIO OF PRECISION OR POSITIONAL ACCURACY IS 1:12,000 AND THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA. C21 NCAC 56.16000 AS APPLICABLE TO PROPOSED PLAN AS THIS IS NOT A NEW BOUNDARY OR ASBUILT SURVEY. THIS DAY OF Nov. 2024 AND DO HEREBY CERTIFY THAT THIS SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND OR ONE OR MORE EXISTING EASEMENTS AND DOES NOT CREATE A STREET OR CHANGE AN EXISTING STREET. BOUNDARY SURVEY = 12-01-23 THIS IS A PROPOSED PLAN INTENDED TO OBTAIN A BUILDING PERMIT AND IS NOT AN ASBUILT SURVEY. JAMES C. SIMMONS, JR., PLS # L-3992 PROFESSIONAL LAND SURVEYOR

REFERENCE NOTES:
 OWNER - BLUE PETER HOLDINGS, LLC.
 DEED REF. - DB. 3785 PG. 1495
 MAP REF. - PC. E SL. 209-216
 PARCEL ID - # 5-013-1-068
 ADDRESS - # 407 VICKSBURG CT
 HAVELOCK, NC 28532

PROPOSED PLAN FOR
JOSEPH BRIAN PECHELES
 ON PROPERTY OWNED BY
BLUE PETER HOLDINGS, LLC
 ND. 5 TWP. - CRAVEN COUNTY - NORTH CAROLINA
 LOT 68 - PH. 1 - SCT. 1 - PLANTATION HARBOR
 NOVEMBER 25, 2024 SCALE 1" = 50'

JAMES C. SIMMONS, JR. PLS # L-3992
 PROFESSIONAL LAND SURVEYORS
 603 WEBB BOULEVARD
 HAYLOCK, NC 28532
 252-447-1509



Water
 Sewer
 Electrical