

Residence for
Adams Homes AEC, LLC
Plan 2316 "B" FE (L) KC049

GENERAL NOTES

- 1. ALL WORK IS TO BE DONE IN STRICT ACCORDANCE WITH NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE, 2018 EDITION (HEREWITH SHOWN AS N.C.S.R.B.C.).
- 2. DIMENSIONS SHOWN ON DRAWINGS GOVERN OVER SCALE.
- 3. STUD WALL DESIGN SHALL CONFORM TO ALL N.C.S.R.B.C. REQUIREMENTS.
- 4. CONTRACTOR SHALL USE TEMPERED SAFETY GLASS IN ALL LOCATIONS AS REQUIRED BY N.C.S.R.B.C., 2018 EDITION, SECTION R308.4
- 5. ANY HABITABLE ROOM SHALL MEET ALL LIGHT/VENTILATION AND EGRESS AS REQUIRED BY N.C.S.R.B.C., 2018 EDITION, SECTIONS R-303.1 AND R-310.1
- 6. ALL WALLS SHOWN ON FLOOR PLANS ARE 2x4 FRAME UNLESS NOTED OTHERWISE.
- 7. ALL ANGLED WALLS SHOWN ON FLOOR PLANS ARE 45° UNLESS NOTED OTHERWISE.
- 8. ALL WINDOWS SHALL HAVE A MINIMUM DPI RATING OF 25. BUILDER SHALL VERIFY WITH WINDOW MANUFACTURER THAT UNITS INSTALLED MEET THESE REQUIREMENTS AS PER N.C.S.R.B.C., 2018 EDITION, TABLE 301.2(6).
- 9. ENERGY EFFICIENCY REQUIREMENTS FOR THE SPECIFIC CLIMATE ZONE WHERE STRUCTURE IS BEING BUILT SHALL BE IN ACCORDANCE WITH CHAPTER 11 OF THE NORTH CAROLINA RESIDENTIAL BUILDING CODE, 2018 EDITION, AS SHOWN IN TABLES N1102.2 AND N1102.1.
- 10. TERMITE TREATMENT - BORATE APPLIED TO ALL FRAME MEMBERS WITHIN 24" AFF.

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- 1 FRONT AND LEFT SIDE ELEVATIONS
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 - D1 CONSTRUCTION DETAILS
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 - S2 CEILING FRAMING PLAN
 - S3 ROOF FRAMING PLAN
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 - S6 STRUCTURAL SPECIFICATIONS
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RESIDENTIAL BUILDING CODE SUMMARY

- 1. PLANS ARE DESIGNED TO THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE.
- 2. HOUSE IS DESIGNED FOR 120 MPH, 3 SECOND GUST (93 MPH FASTEST WIND), EXPOSURE B.
- 3. ANCHOR BOLTS SHALL BE MIN. 1/2" DIAMETER WITH STANDARD WASHER AND NUT AND SHALL EXTEND 7" MIN. INTO MASONRY OR CONCRETE. BOLTS TO BE NO MORE THAN 6' O.C. AND WITHIN 12" OF CORNERS. ALTERNATE ANCHOR STRAPS CAN BE USED INSTEAD OF ANCHOR BOLTS SPACED AT THE EQUIVALENT SPACING AND INSTALLED PER MANUFACTURER'S SPECIFICATION'S EXCEPT AT GARAGE LUG FTG.
- 4. MEAN ROOF HEIGHT: 17'-6"
- 5. COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS:
MEAN ROOF HGT: UP TO 30' 30'-1" TO 35' 35'-1" TO 40' 40'-1" TO 45'
ZONE 1 16.5, -18.0 17.3, -18.9 18.0, -19.6 18.5, -20.2
ZONE 2 16.5, -21.0 17.3, -22.1 18.0, -22.9 18.5, -23.5
ZONE 3 16.5, -21.0 17.3, -22.1 18.0, -22.9 18.5, -23.5
ZONE 4 18.0, -19.5 18.9, -20.5 19.6, -21.3 20.2, -21.8
ZONE 5 18.0, -24.1 18.9, -25.3 19.6, -26.3 20.2, -27.0
- 6. MINIMUM VALUES FOR ENERGY COMPLIANCE: ZONE 4
- 7. MAXIMUM GLAZING U-FACTOR: 0.35
- 8. INSULATING VALUES: CEILING: R-30* / WALLS: R-15 / FLOOR: R-19 / SLABS: R-10. CODE REFERENCE: TABLE N1102.1 (*R-30 ONLY IF UNCOMPRESSED, R-38 REQUIRED IF COMPRESSED)
- 9. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH SECTION R703.8 OF THE N.C.R.B.C.
- 10. FIREBLOCKING SHALL BE INSTALLED IN ACCORDANCE WITH SECTION R602.8 OF THE N.C.R.B.C.
- 11. DRAFTSTOPPING SHALL BE INSTALLED IN ACCORDANCE WITH SECTION R302.12 OF THE N.C.R.B.C.

AREA CALCULATIONS

1ST FLOOR:	2316	GARAGE:	500
2ND FLOOR:	0	FRONT PORCH:	53
REC. ROOM:	0	PATIO:	144
TOTAL:	2316	BRICK:	0
		TOTAL:	697
WIDTH:	49'-0"		
DEPTH:	66'-0"	COV. PORCH OPT:	256

FOUNDATION VENTING CALCULATIONS

NOT NEEDED WITH SLAB FOUNDATION

ATTIC VENTILATION REQUIREMENTS

NATURAL ROOF VENTILATION	MECHANICAL ROOF VENTILATOR
3013 SQ. FT.	3013 SQ. FT.
150	300
BUILDER TO PROVIDE APPROPRIATE VENTILATING AS REQUIRED PER CODE	

MATERIALS LEGEND

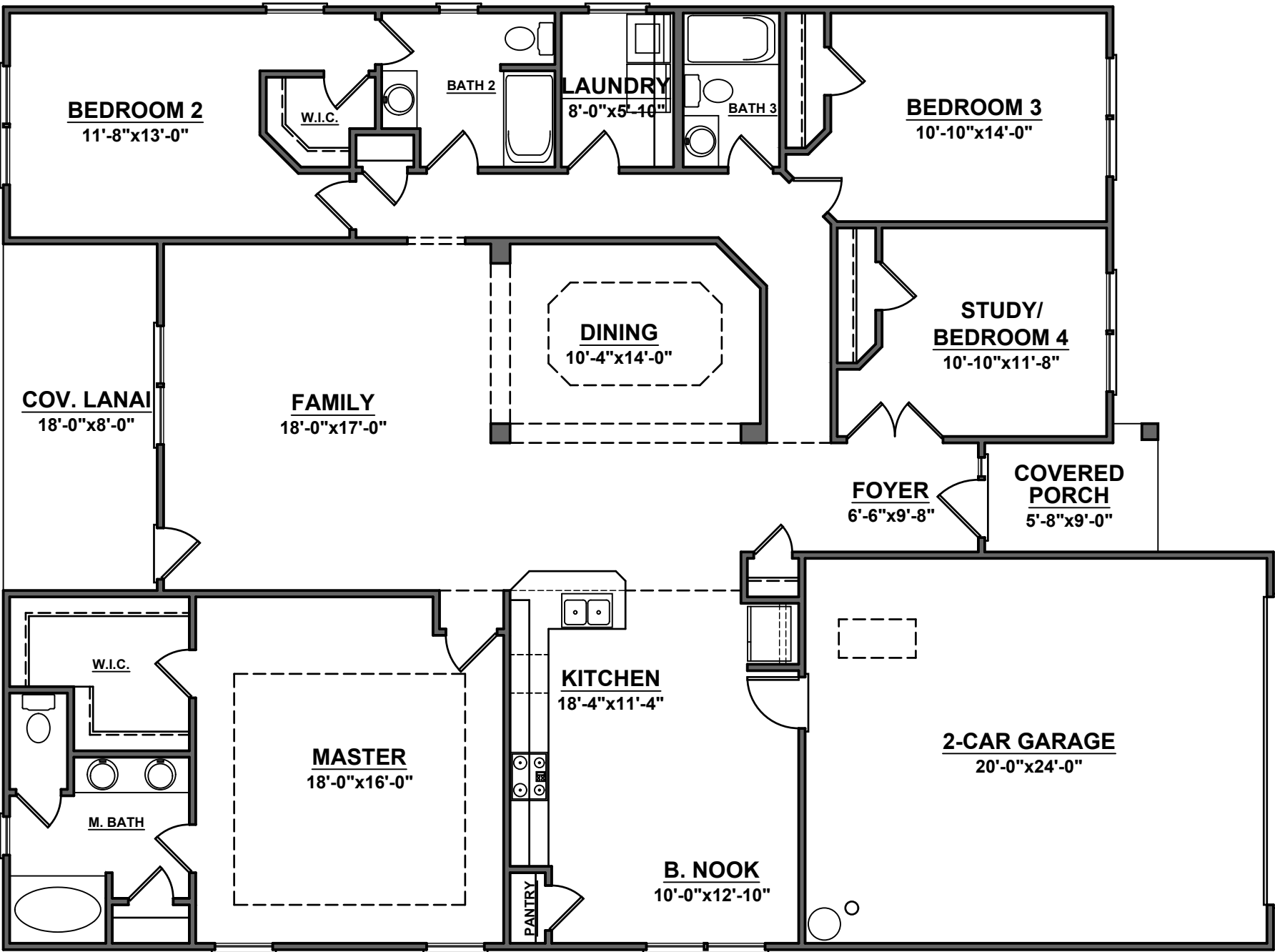
	EARTH/COMPACT FILL		FINISH WOOD
	CONCRETE		ROUGH WOOD
	BRICK		BLOCKING
	CONCRETE BLOCK/STONE		PLYWOOD
	STEEL		BATT INSULATION
	ALUMINUM		RIGID INSULATION

TOILET ACCESSORIES LEGEND

PROVIDE 2x4 BLOCKING IN THE WALL FOR THE FOLLOWING:

TB	TOWEL BAR
TP	TOILET PAPER HOLDER
TR	TOWEL RING
MC	MEDICINE CABINET
MR	MAGAZINE RACK

THE PURPOSE OF THESE DRAWINGS IS TO SHOW THE INTENT OF THE DESIGN AND CONSTRUCTION OF THIS HOME. ANY ERRORS AND/OR OMISSIONS FOUND IN THIS SET SHOULD IMMEDIATELY BE REPORTED TO ADAMS HOMES FOR CLARIFICATION OR CORRECTION. THE CONTRACTOR SHOULD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.



7403



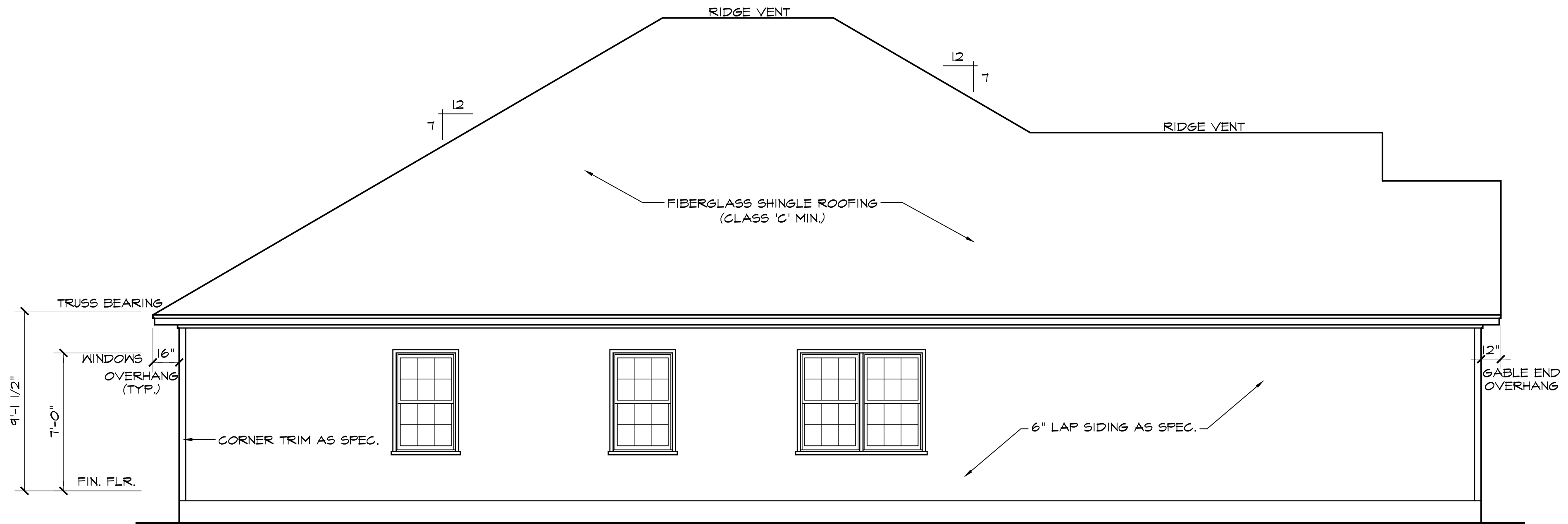
HOMES AEC, LLC



FRONT ELEVATION B

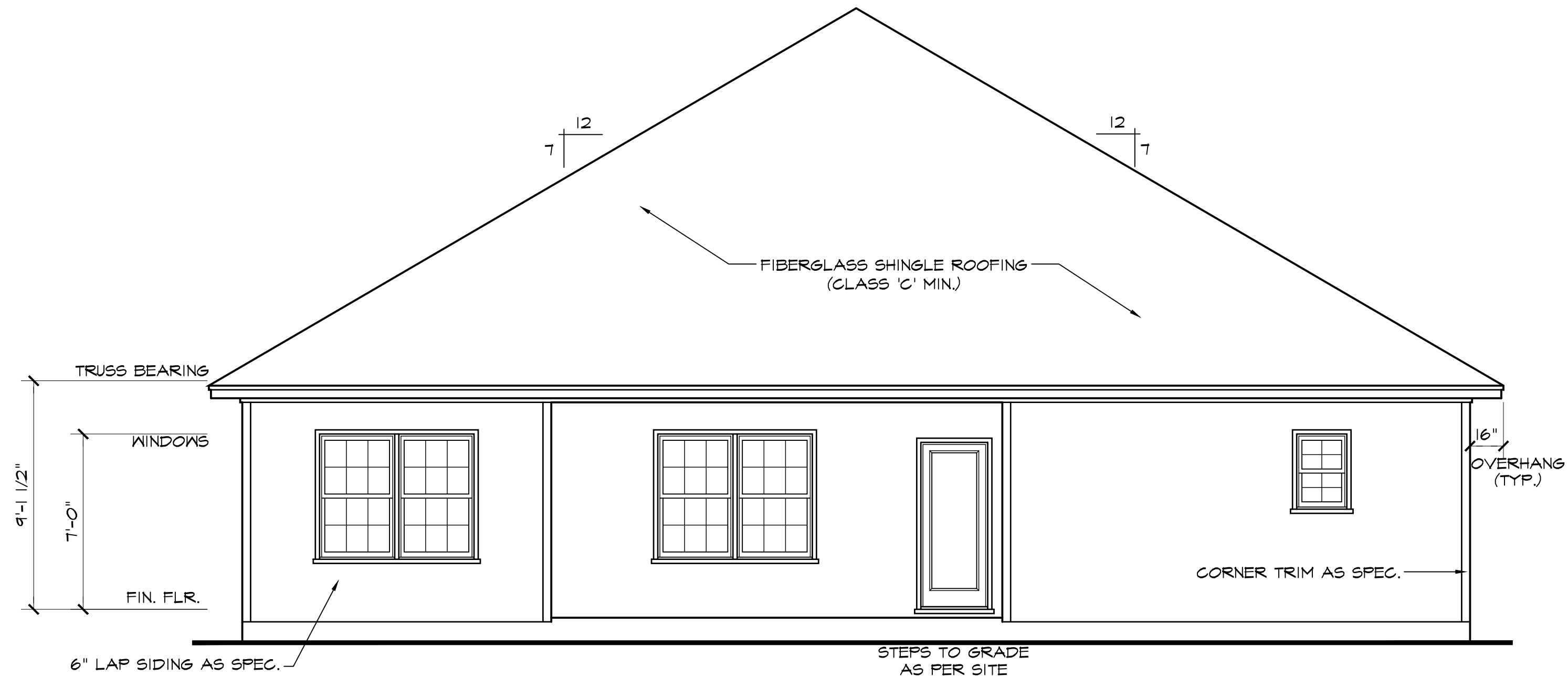
SCALE: 1/4"=1'-0"

NOTE - SLOPE ALL GRADES AWAY FROM HOUSE FOR POSITIVE DRAINAGE



LEFT SIDE ELEVATION

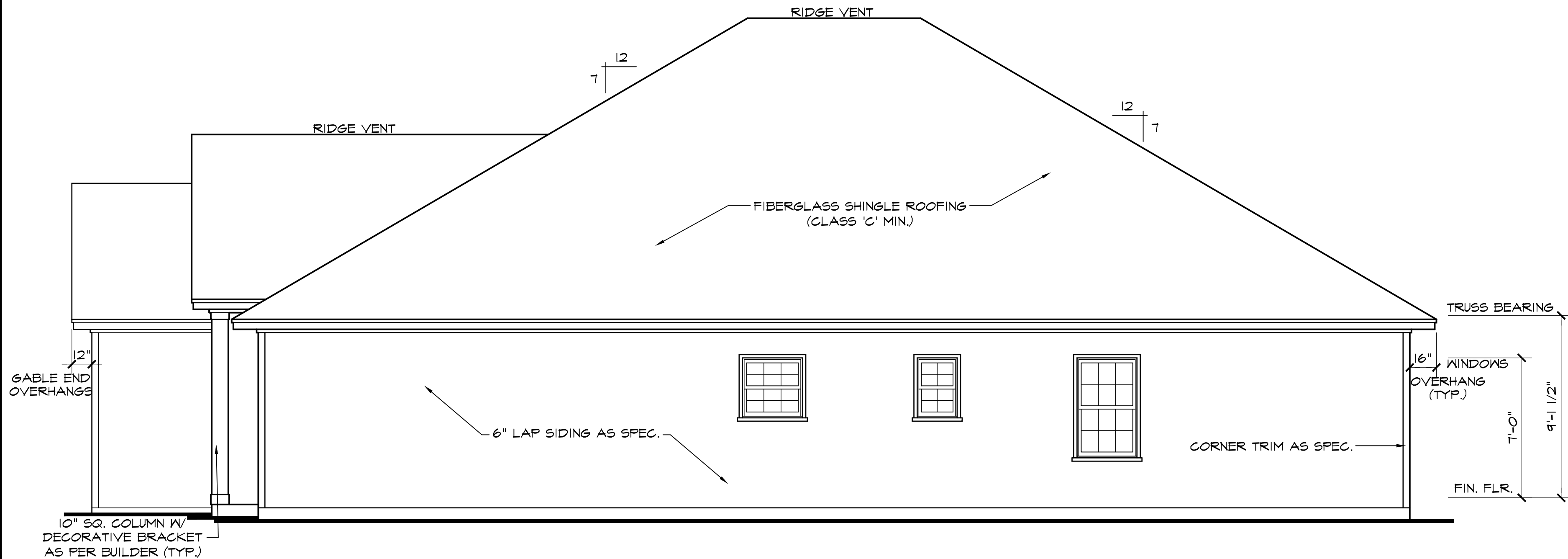
SCALE: 1/4"=1'-0"



REAR ELEVATION

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

NOTE - SLOPE ALL GRADES AWAY FROM HOUSE FOR POSITIVE DRAINAGE

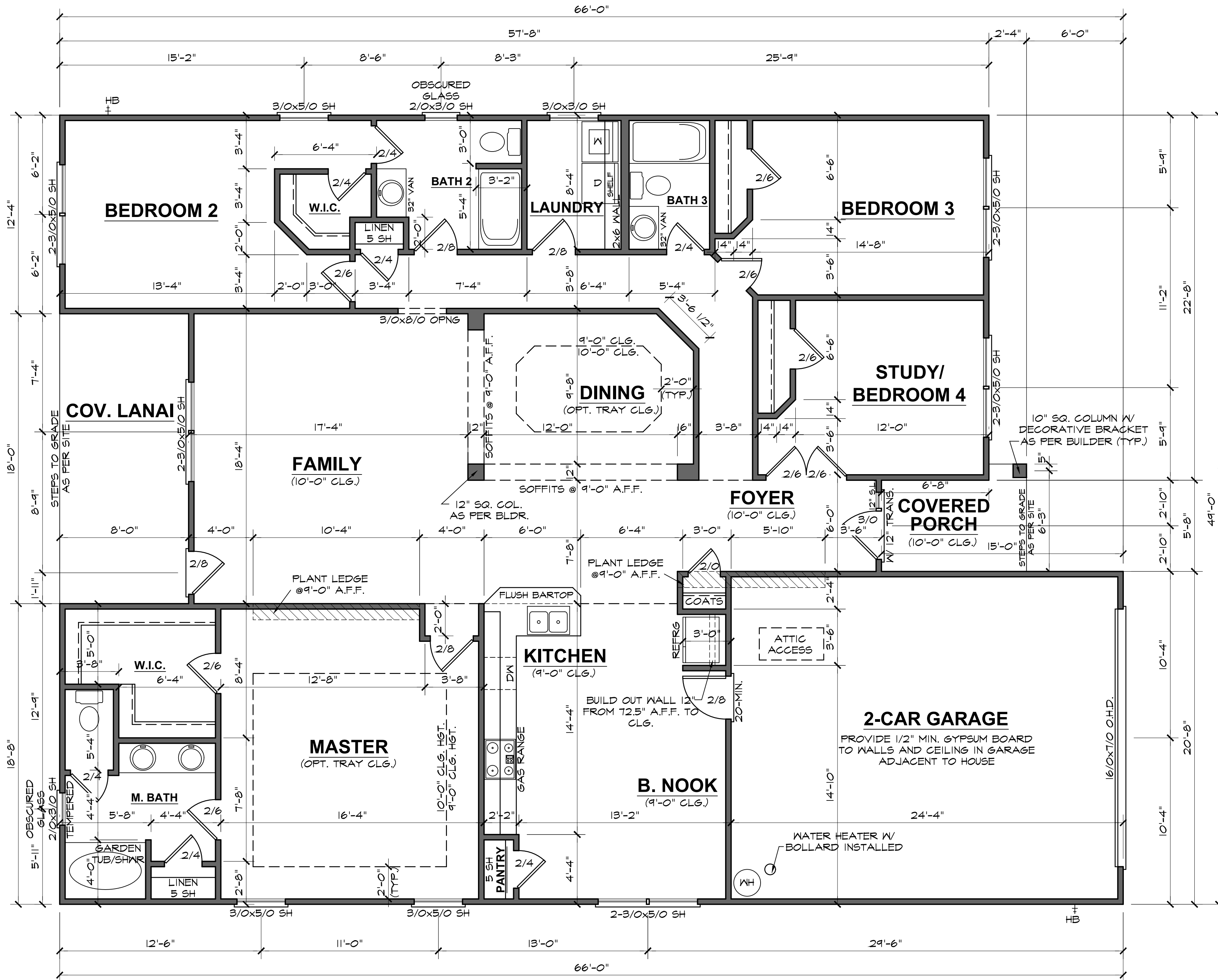


RIGHT SIDE ELEVATION

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

DATE DRAWN
2/26/2025
PROJECT
T403
REVISIONS

SHEET



FLOOR PLAN

9'-0" (NOM.) CLG. HGT. U.N.O.
SET WINDOWS @ 7'-0" U.N.O.

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

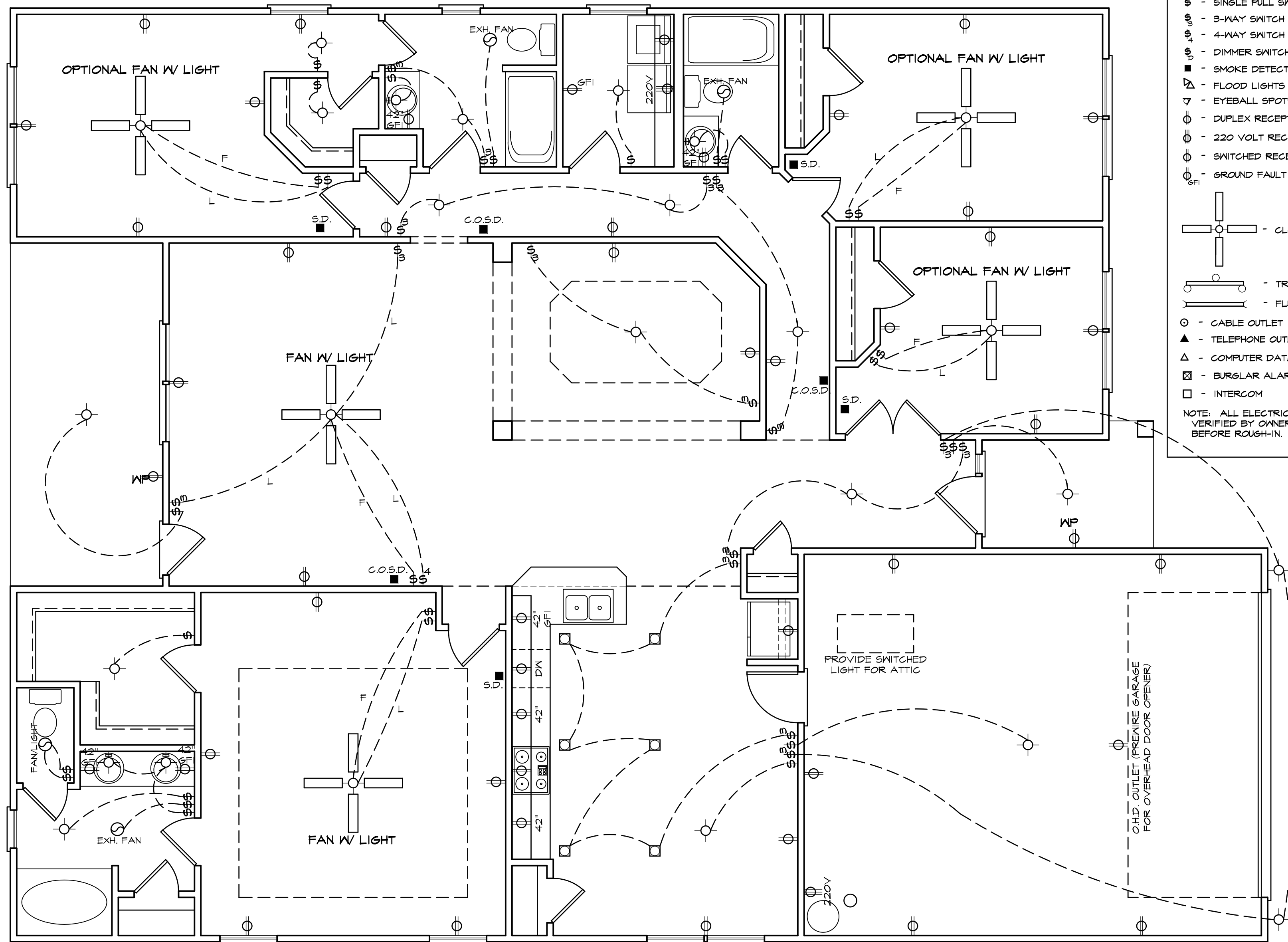


2316 "B" FE (L) KC049

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3



ELECTRICAL LEGEND

○

 - LIGHT FIXTURE

○

 - FAN/LIGHT

⊕

 - WATERPROOF OUTLET

□

 - RECESSED LIGHTING

\$

 - SINGLE FULL SWITCH

\$

 - 3-WAY SWITCH

\$

 - 4-WAY SWITCH

\$

 - DIMMER SWITCH

■

 - SMOKE DETECTOR

⚡

 - FLOOD LIGHTS

▽

 - EYEBALL SPOTS

⊕

 - DUPLEX RECEPTACLE (110V)

⊕

 - 220 VOLT RECEPTACLE

⊕

 - SWITCHED RECEPTACLE (TOP WIRE ONLY)

⊕

 - GROUND FAULT CIRCUIT INTERRUPTOR

⊕

 - CLG FAN/LIGHTS

—

 - TRACK LIGHTS

—

 - FLUORESCENT LIGHTING

○

 - CABLE OUTLET

▲

 - TELEPHONE OUTLET

△

 - COMPUTER DATA OUTLET

⊠

 - BURGLAR ALARM

□

 - INTERCOM

NOTE: ALL ELECTRICAL TO BE VERIFIED BY OWNER/BUILDER BEFORE ROUGH-IN.

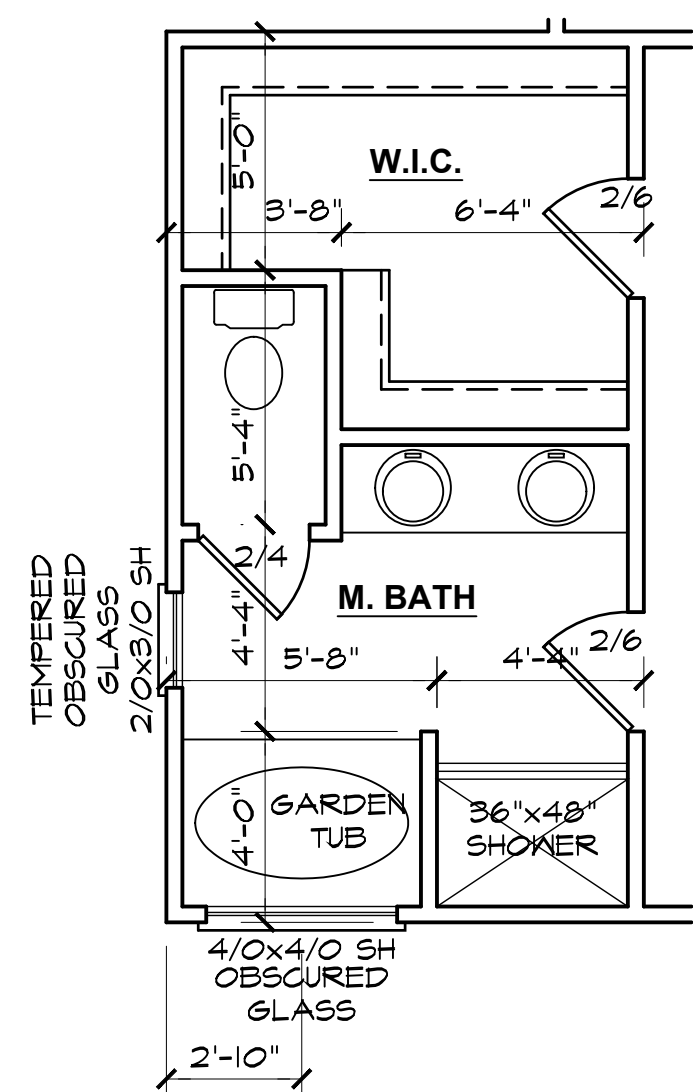
ELECTRICAL PLAN

NOTE - ELECTRICAL RECEPTACLE AND SWITCH QUANTITIES AND LOCATIONS SHOWN ON PLAN ARE FOR ILLUSTRATION PURPOSES ONLY. ACTUAL NUMBER AND LOCATIONS SHALL BE FIELD DETERMINED AS PER CLIENT AND BUILDER EXCEPT WHERE CODE REQUIREMENTS APPLY.

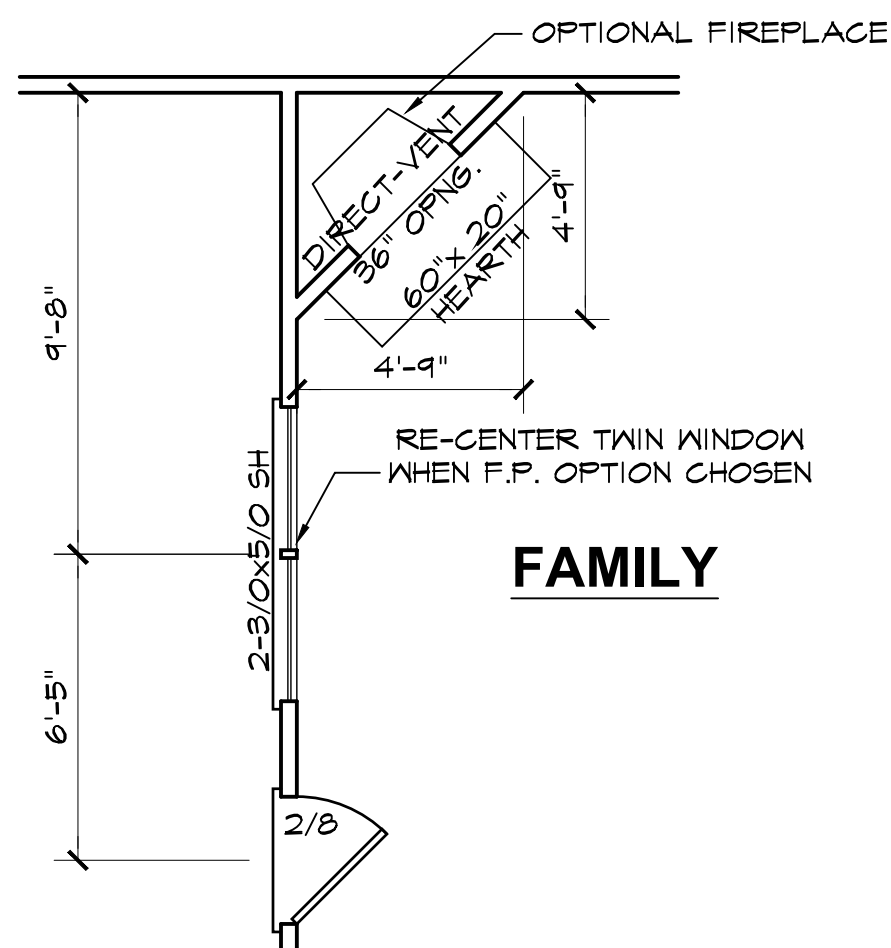
2316 "B" FE (L) KC049

DATE DRAWN	2/26/2025
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REVISIONS	

Y	N	OPTIONAL MASTER BATH
		4' X 3' (1) PC. FIBERGLASS SHOWER IN LIEU OF LINEN CLOSET
		4' X 4' FIXED OBSCURED GLASS WINDOW



OPTIONAL MASTER BATH

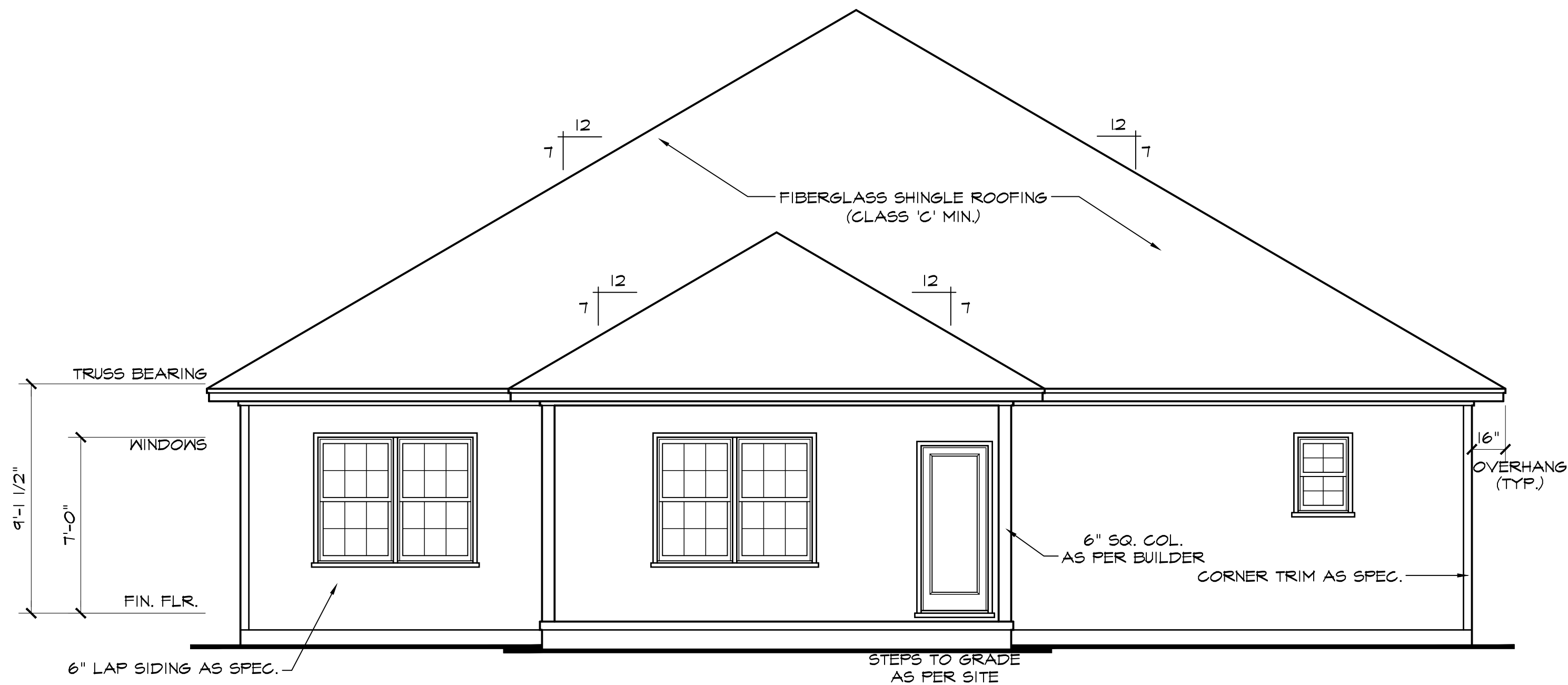


OPTIONAL FIREPLACE

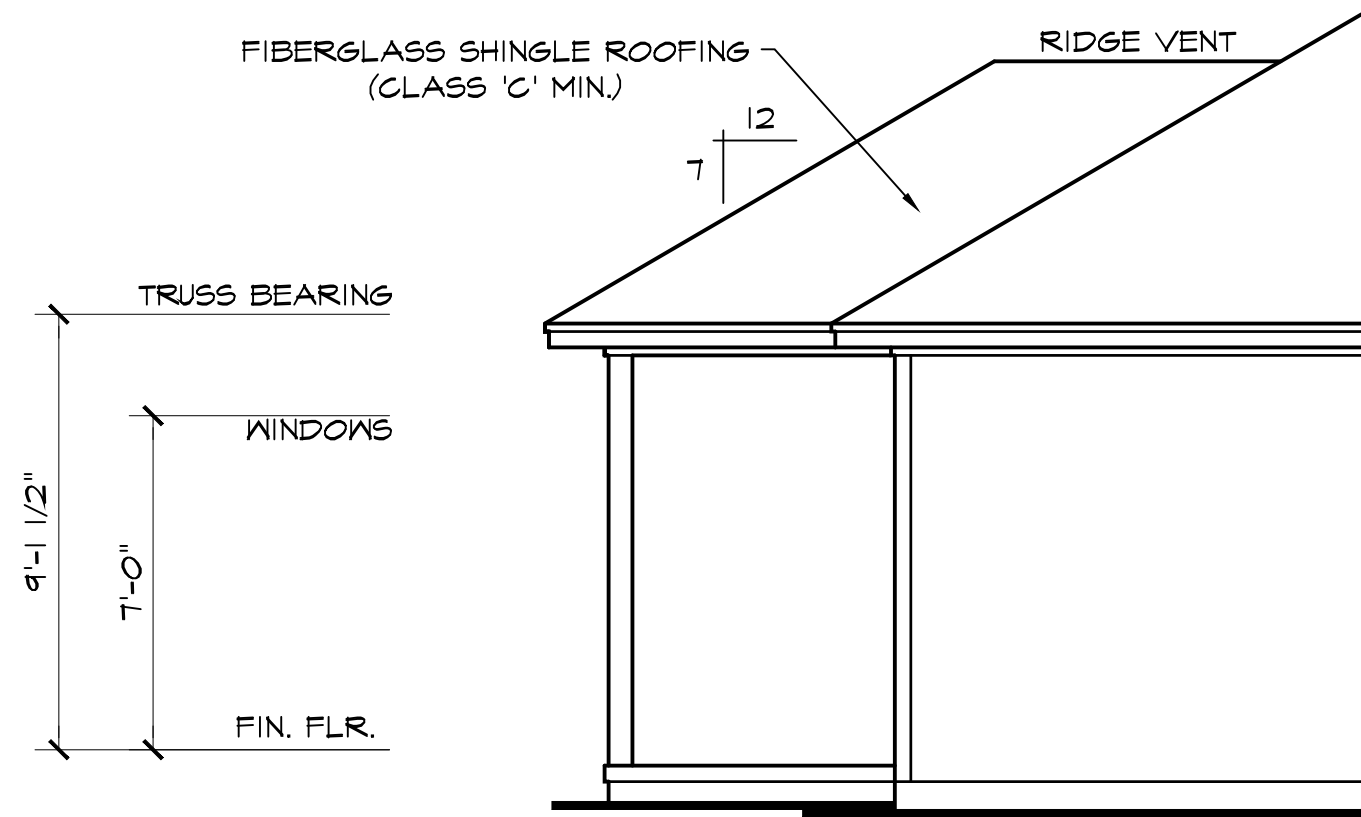
FLOOR PLAN OPTION SHEET

2316 "B" FE (L) KC049

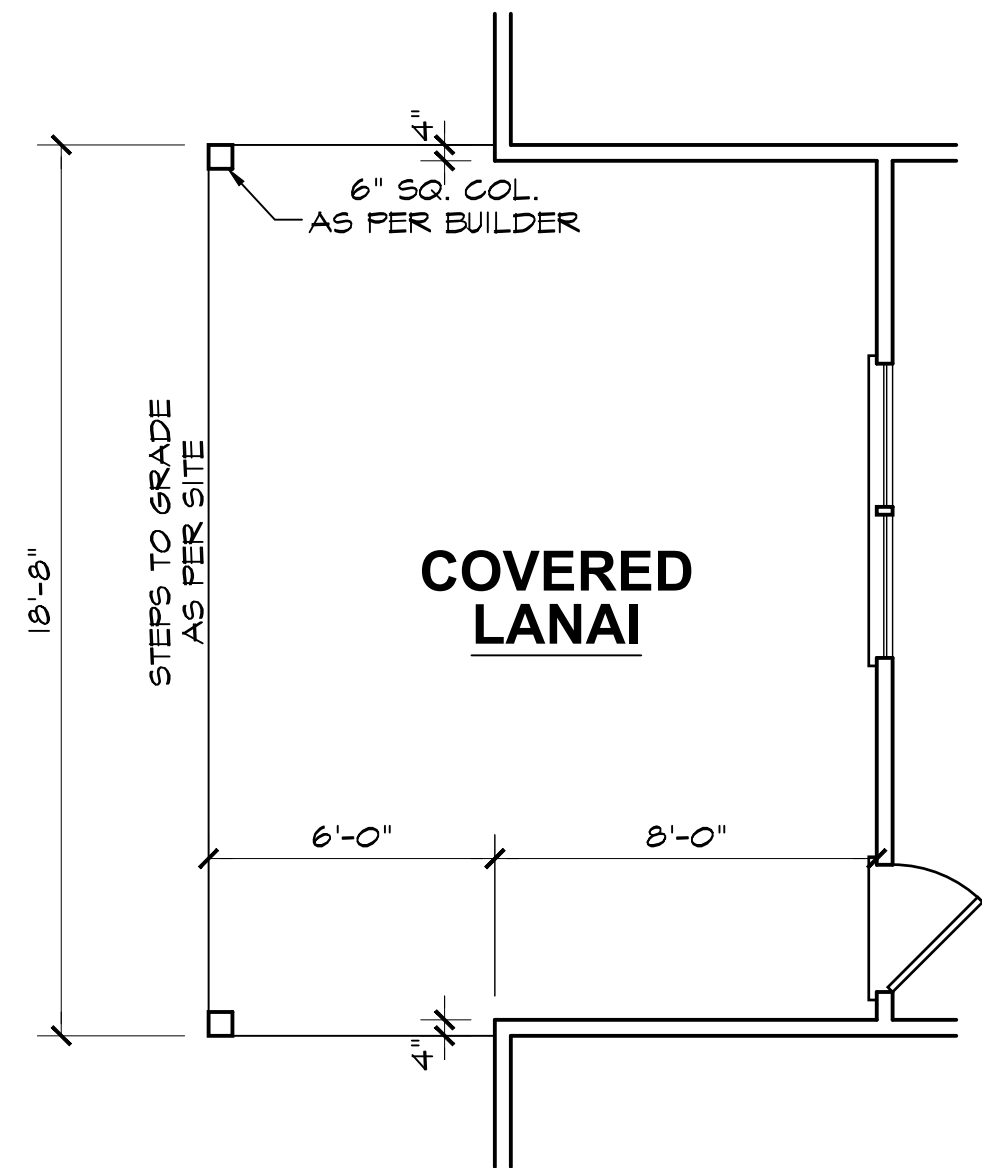
[illegible]



REAR ELEVATION SCALE: 1/4"=1'-0"
 NOTE - SLOPE ALL GRADES AWAY FROM HOUSE FOR POSITIVE DRAINAGE



LEFT SIDE ELEVATION SCALE: 1/4"=1'-0"
 NOTE - SLOPE ALL GRADES AWAY FROM HOUSE FOR POSITIVE DRAINAGE



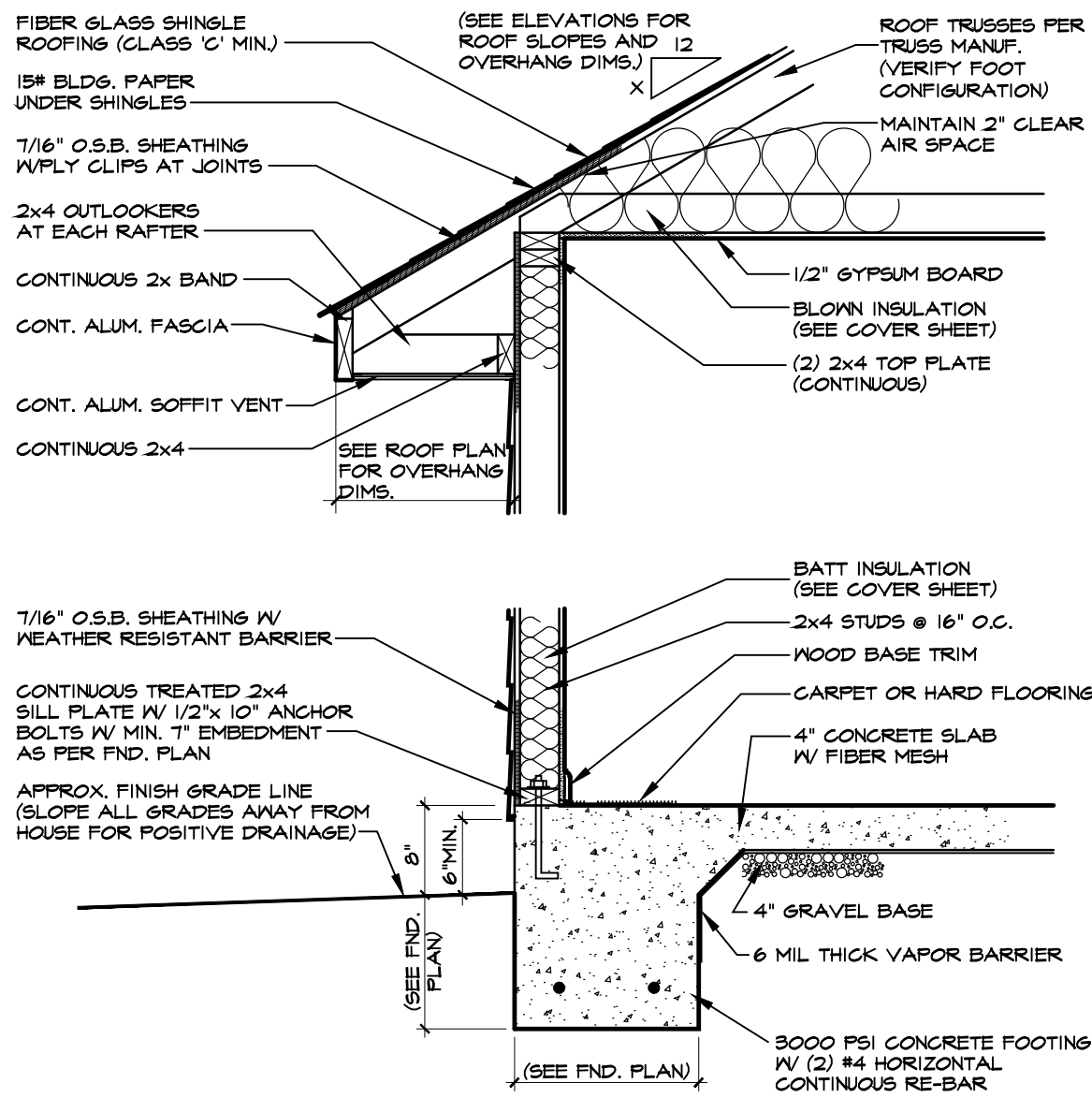
COVERED PORCH SCALE: 1/4"=1'-0"

REAR PORCH OPTION SHEET

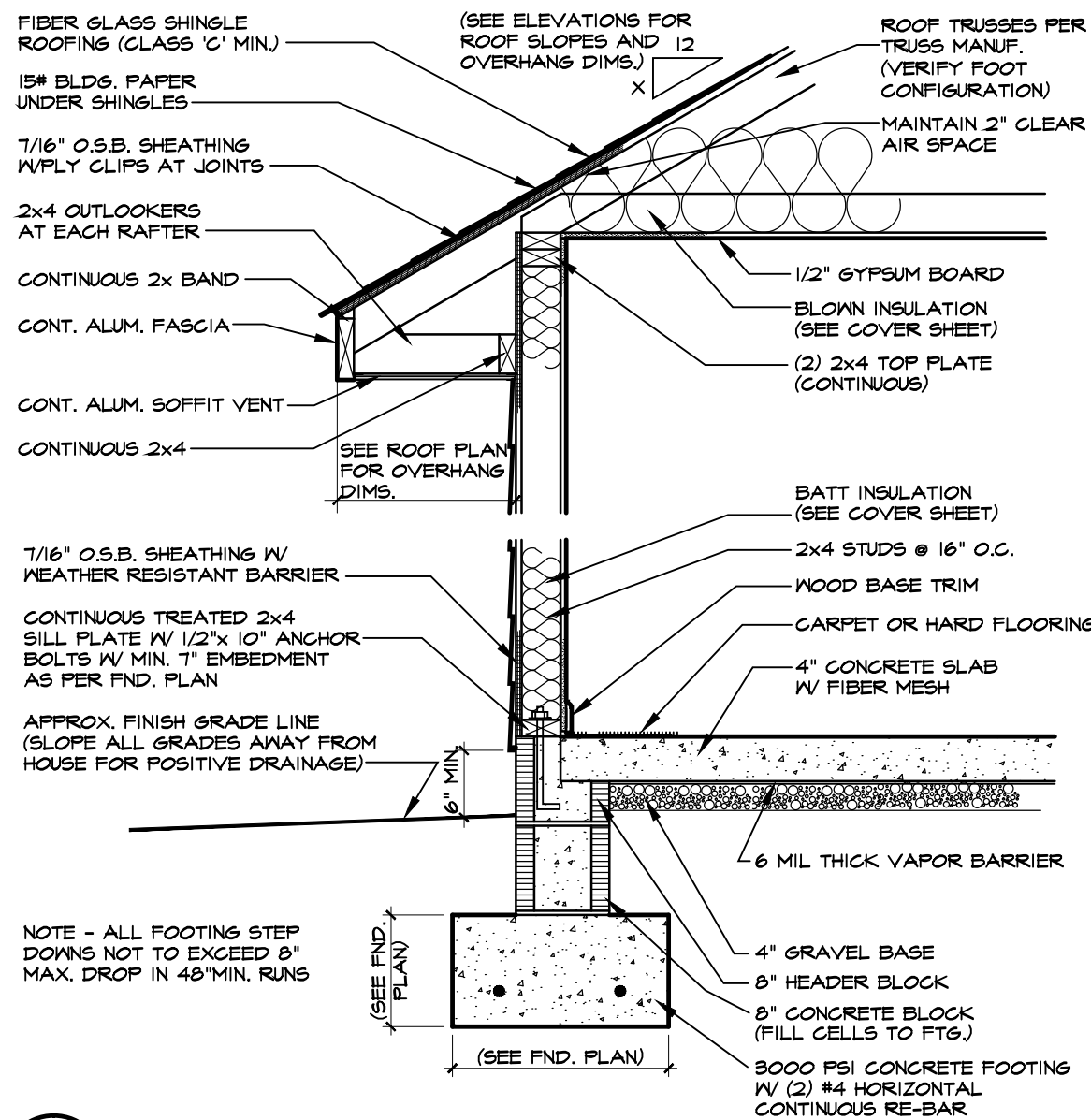
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2/26/2025
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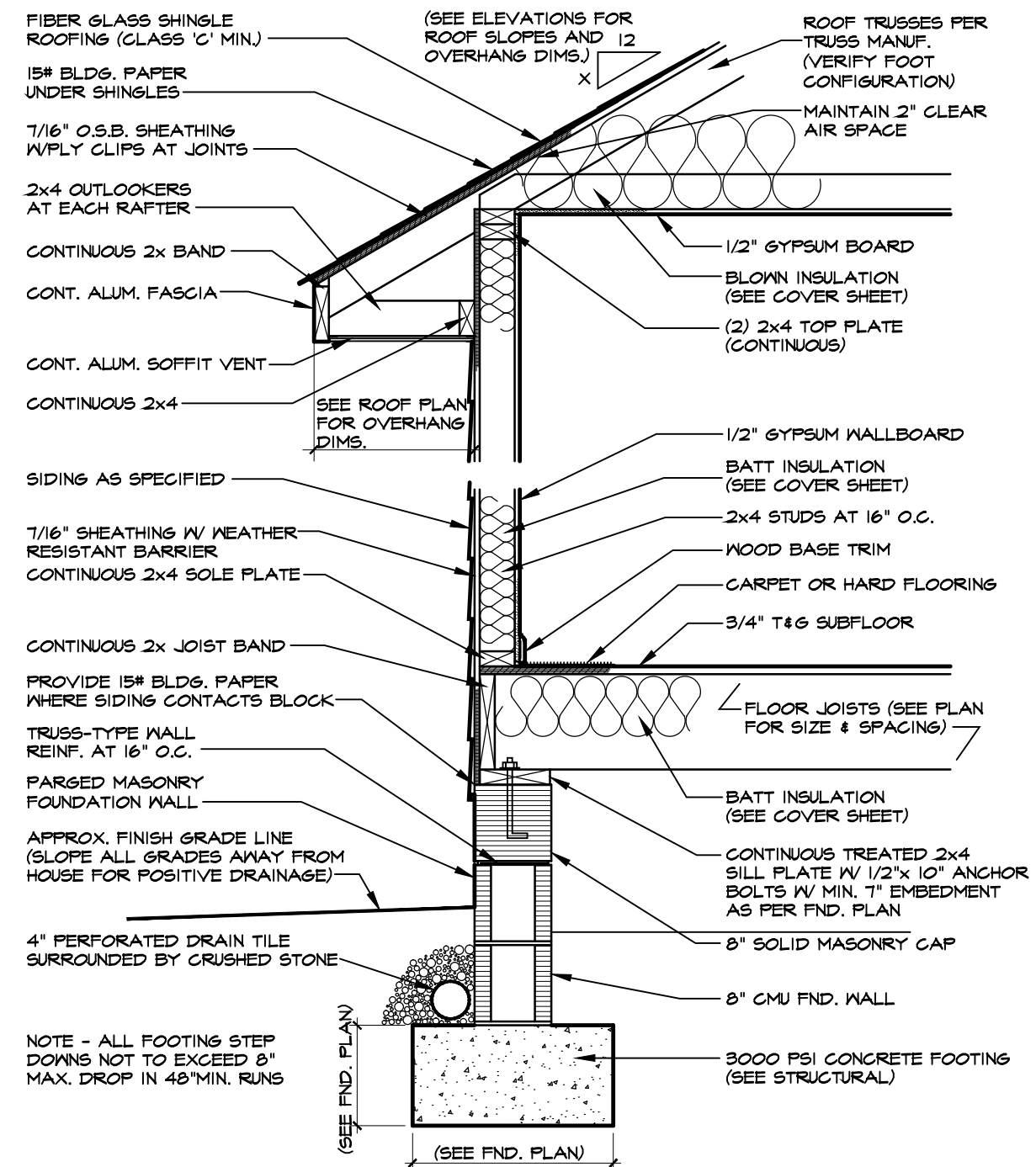
SHEET
opt2



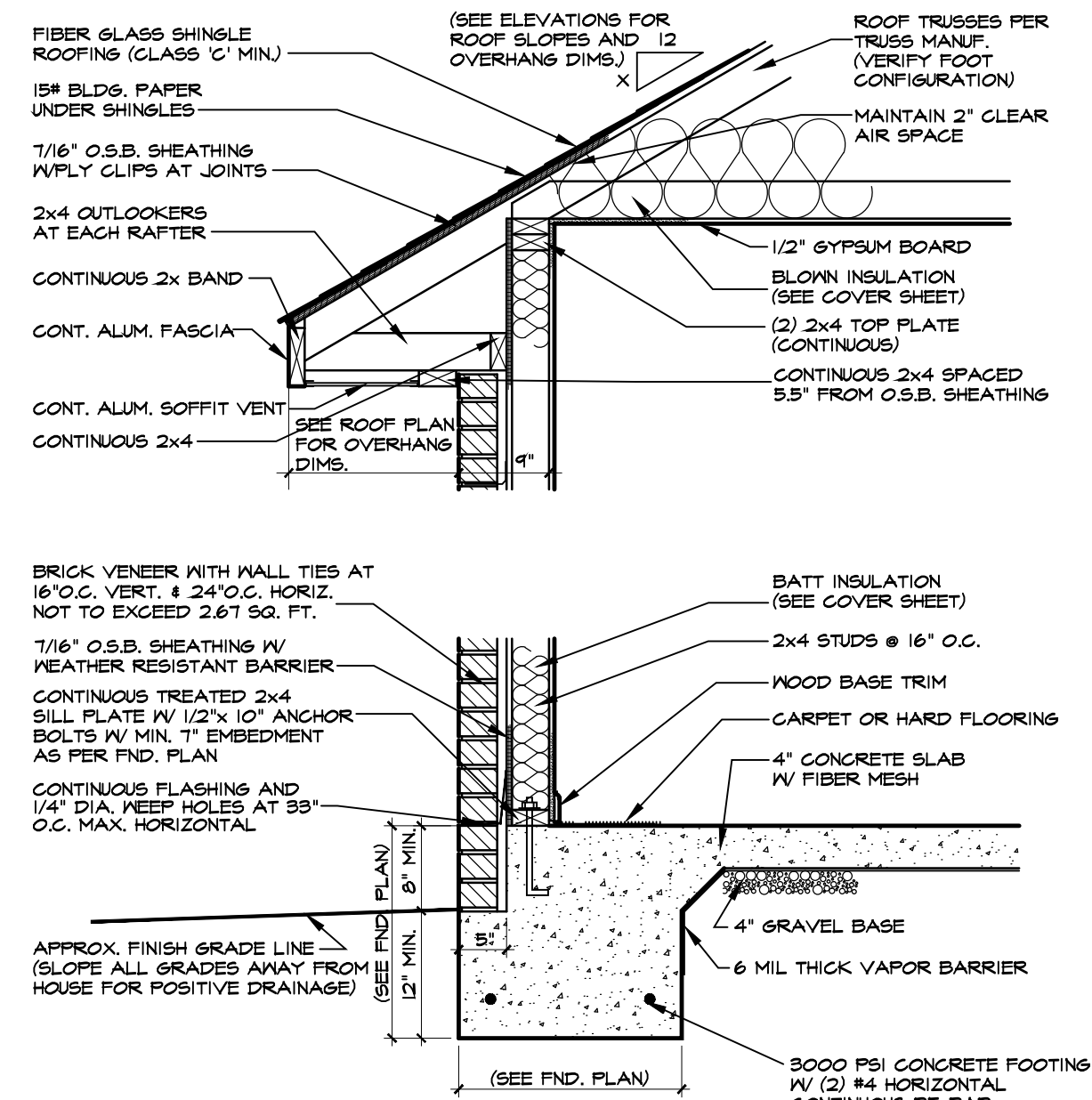
1 ONE-STORY WALL SECTION W/SIDING
SCALE: 3/4"=1'-0"
MONO SLAB



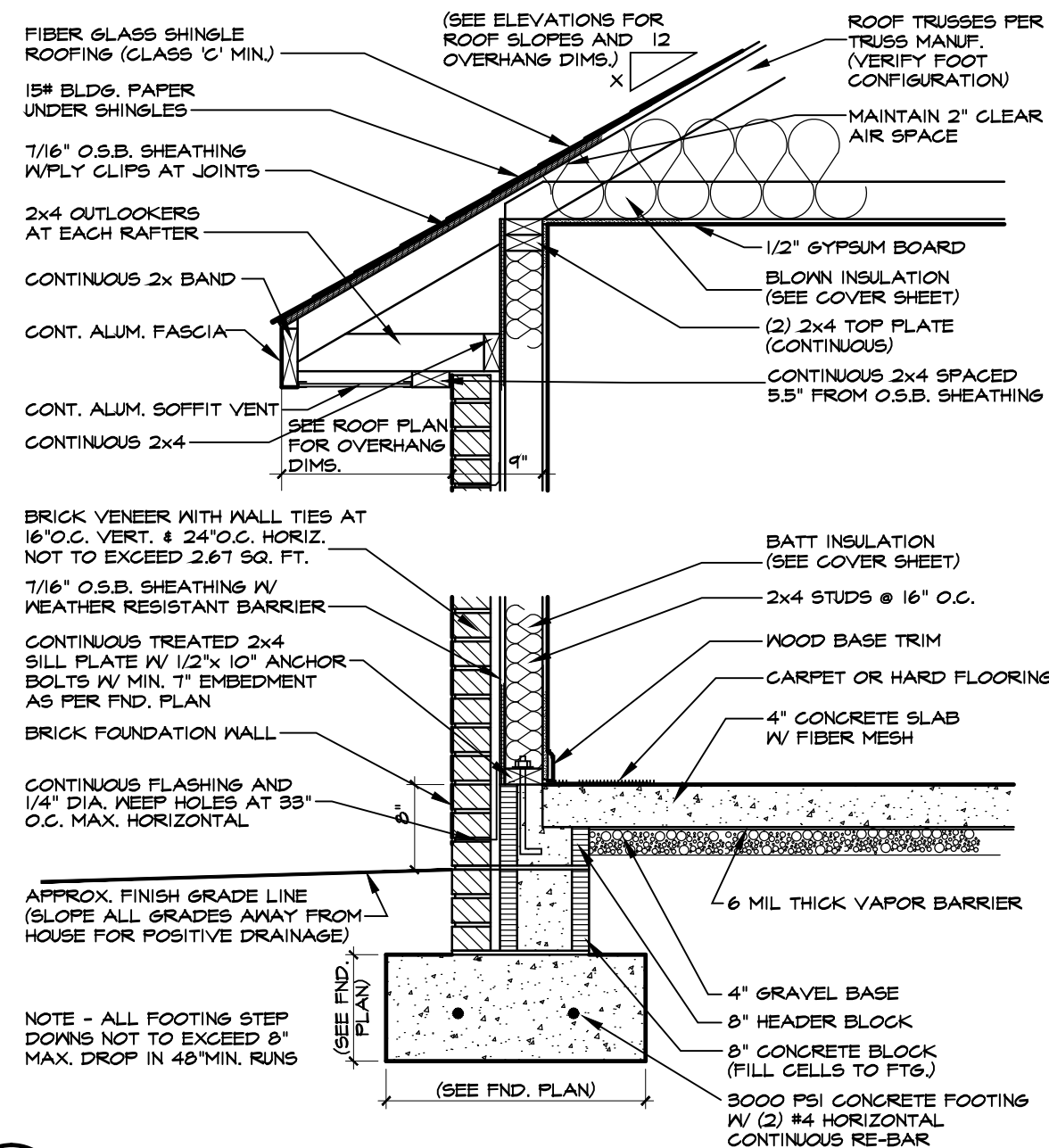
2 ONE-STORY WALL SECTION W/SIDING
SCALE: 3/4"=1'-0"
BLOCK STEM WALL



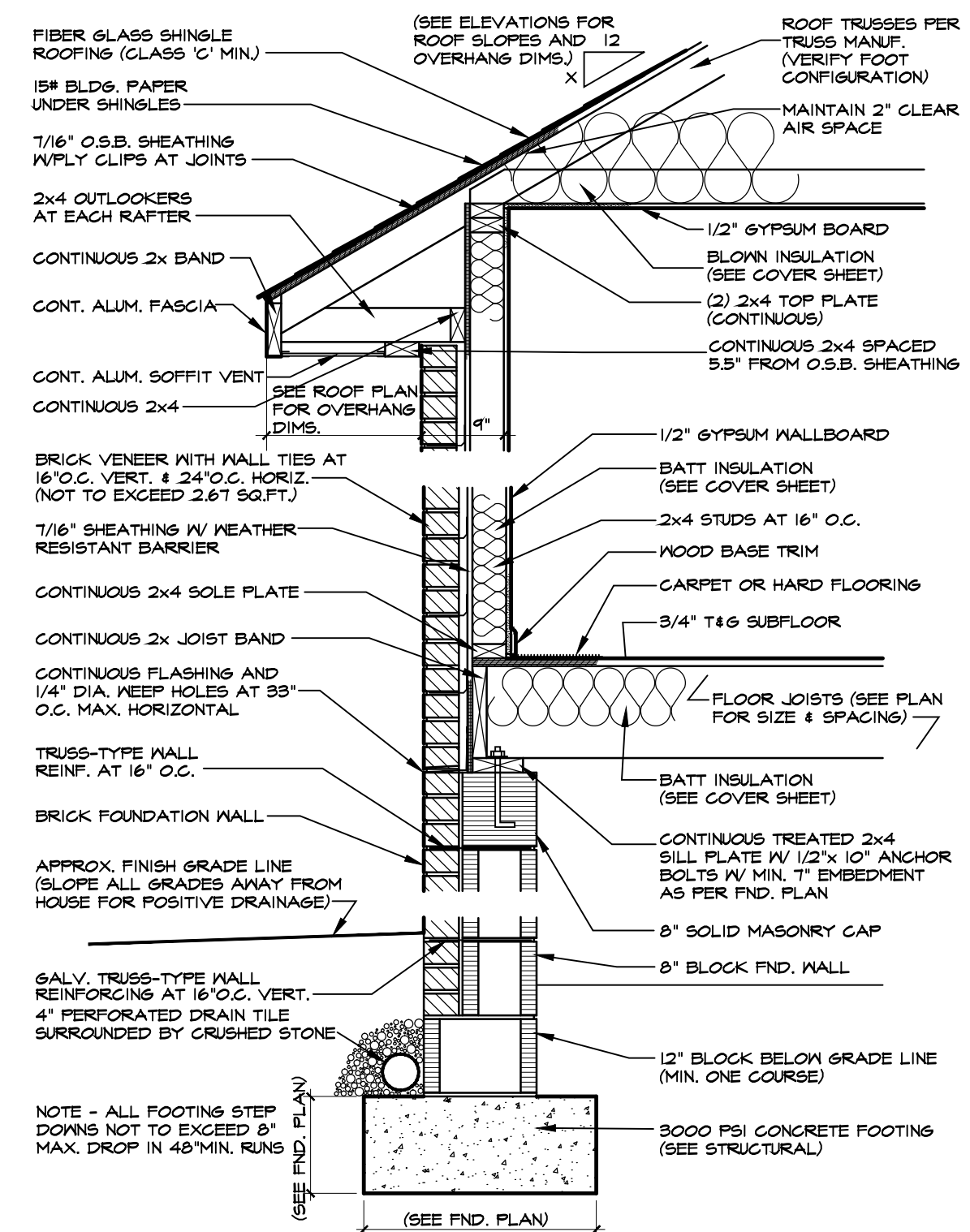
3 ONE-STORY WALL SECTION W/SIDING
SCALE: 3/4"=1'-0"
(PARGED MASONRY FOUNDATION)



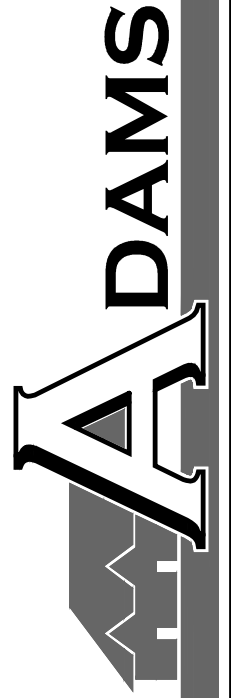
4 ONE-STORY WALL SECTION W/BRICK
SCALE: 3/4"=1'-0"
NOTE - PERIMETER SLAB INSULATION MAY BE DELETED IF CONSTRUCTION IS LOCATED IN CLIMATE ZONE 3.
BRICK & MONO SLAB



5 ONE-STORY WALL SECTION W/BRICK
SCALE: 3/4"=1'-0"
BRICK & BLOCK STEM WALL



6 ONE-STORY WALL SECTION W/BRICK
SCALE: 3/4"=1'-0"
(W/ 12" FOUNDATION WALL)



TYPICAL DETAIL SHEET

DATE DRAWN

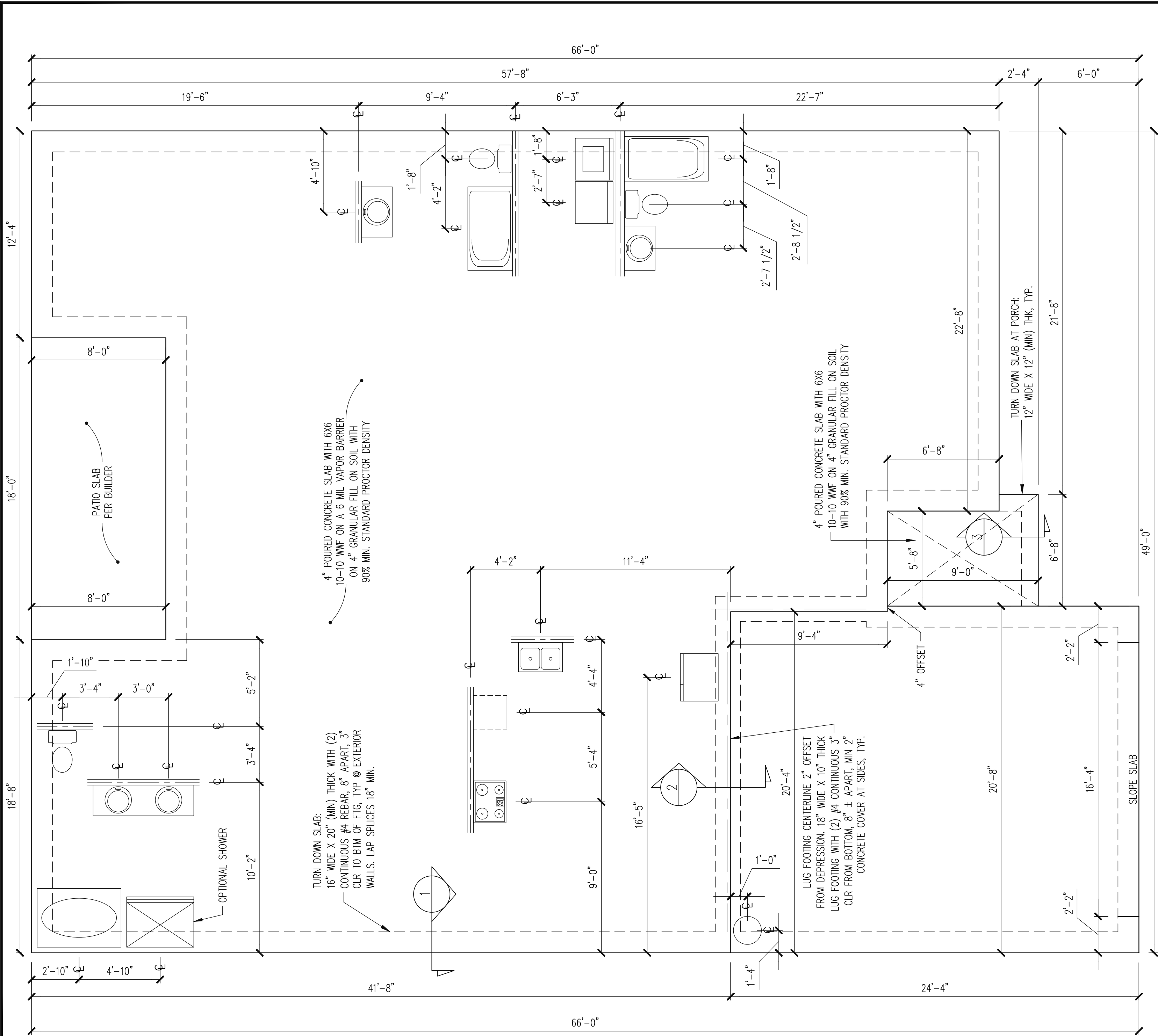
REVISIONS

SHEET

D1

BL#RC1330146
149 US HWY 70 WEST
GARNER, NC 27529
919-233-6747 (office) 919-233-6780 (fax)

HOMES AEC, LLC



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PLAN DESIGNED UNDER
2018 NORTH CAROLINA
RESIDENTIAL CODE

NOTES:
-HEIGHT AND BACKFILL LIMITATIONS FOR FOUNDATION WALLS ARE TO BE GOVERNED BY THE NCSBC, LATEST EDITION.
-FIBER MESH REINFORCED CONCRETE MAY BE USED IN LIEU OF WELDED WIRE FABRIC. SEE SECTION 6.01 OF THE CONSTRUCTION SPECIFICATIONS FOR ALLOWABLE SUBSTITUTION DETAILS.
-ALL APPLIANCE AND PLUMBING LOCATIONS ARE FOR REFERENCE ONLY. FINAL LOCATIONS MUST BE VERIFIED WITH ARCHITECTURAL FLOOR PLANS.

FOUNDATION PLAN
MONO SLAB OPTION

1/4" = 1'-0"

STRUCTURAL ENGINEERS
License No. C-3870
318 W Millbrook Road, Unit 201
Raleigh, North Carolina 27609
Phone: (919) 844-1661

Engineering Tech
ASSOCIATES, P.A.

ADAMS HOMES
STRUCTURAL ADDENDUM

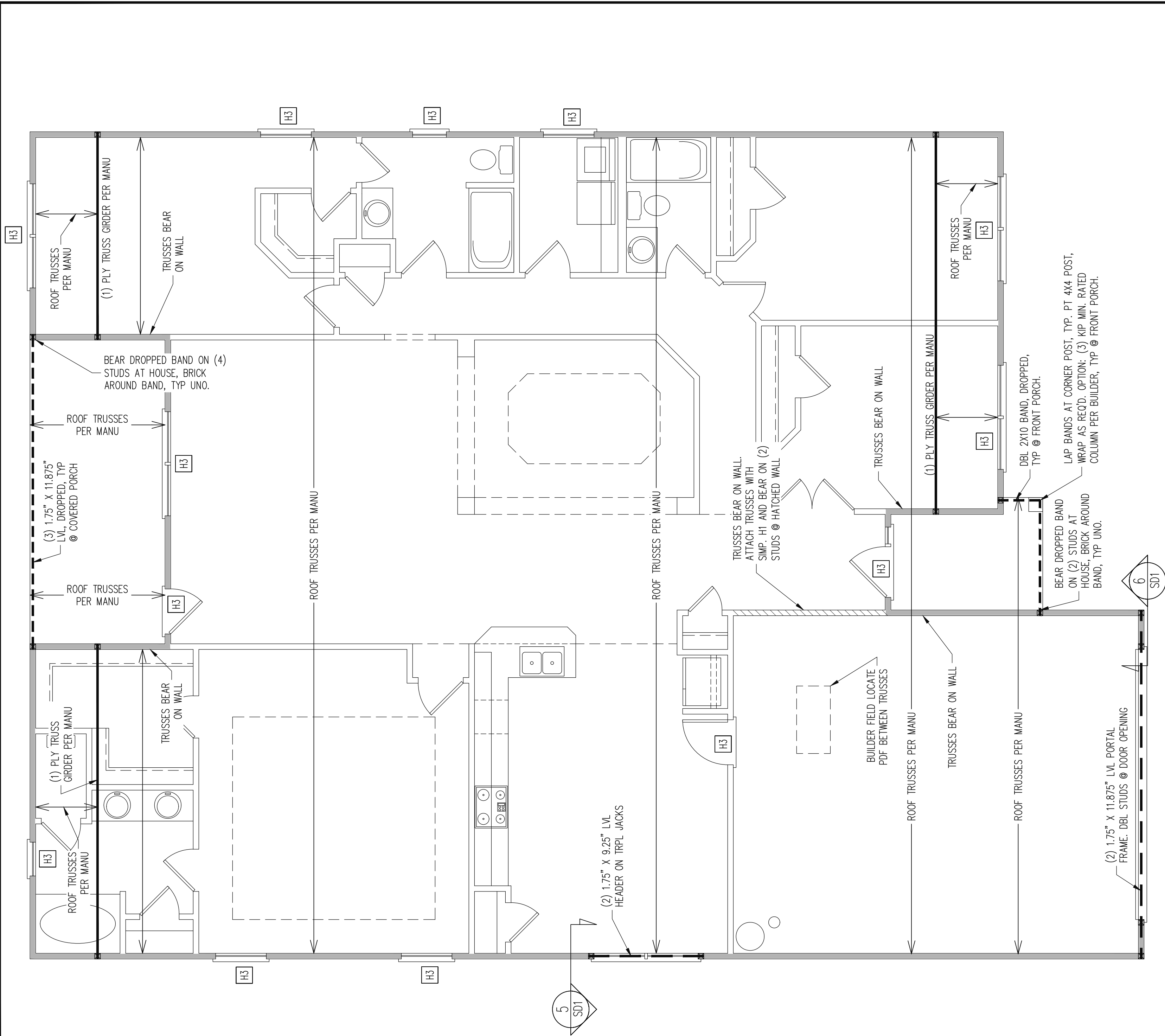
SCOPE	49 KIPLING CREEK	ENG: NRG/WHF	REV:	DATE: 2/19/2025
LOT #:	2316 MASTER			

PLAN NO.
2316

PROJECT NO.
25-18-074

SHEET NO.
S1

1 of 6



REQUIRED STUDS FOR
BEAM SUPPORT

REFER TO SECTIONS 5.02 – 5.06 OF THE
CONSTRUCTION SPECIFICATIONS FOR REQUIRED
NUMBER OF STUDS FOR BEAM SUPPORT, TYP UNO.

HEADER SCHEDULE

- H1 SINGLE 2X4 TURNED FLAT (A)
H2 (2) 2X4'S ON SINGLE JACKS (B)
H3 (2) 2X10'S ON SINGLE JACKS (C)
H4 (2) 1.75" X 9.25" LVL'S ON DBL JACKS
H5 (2) 2X10'S ON DBL JACKS
H6 (2) 1.75" X 9.25" LVL'S ON TRPL JACKS
- (A) TYPICAL FOR INTERIOR NON LOAD BEARING
WALLS ONLY, ROUGH OPENING 38" MAX.
(B) TYPICAL FOR INTERIOR NON LOAD BEARING
WALLS ONLY, ROUGH OPNG 38" TO 74" MAX.
(C) TYPICAL FOR ALL CONDITIONS NOT LISTED
IN (A) OR (B) UNO.

NOTES:
-HEADERS IN NON LOAD BEARING INTERIOR
WALLS ARE NOT LABELED.
-KING STUDS EXTERIOR WALLS:
SINGLE KING STUDS FOR 6' MAX OPENINGS.
DBL KING STUDS FOR 10' MAX OPENINGS.
TRPL KING STUDS FOR 14' MAX OPENINGS.
QUAD KING STUDS FOR 18' MAX OPENINGS.
FOR 2X6 WALLS, ONE HALF THE AMOUNT OF
KING STUDS REQUIRED (ROUND UP) UNO

WALL BRACING

ALL EXTERIOR STUD WALLS ARE TO BE
CONTINUOUSLY SHEATHED WITH 7/16 APA RATED
OSB NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT
PANEL EDGES, 12" O.C. IN PANEL FIELD.

SINGLE JOIST, CONTINUOUS RIM JOIST, OR BLOCKING
OF EQUAL DEPTH IS REQUIRED ABOVE AND BELOW
ALL BRACED WALLS. NAIL BLOCKING ABOVE WALL TO
TOP PLATE WITH 8d TOE NAILS @ 6" O.C. NAIL
SOLE PLATE OF BRACED WALL TO BLOCKING BELOW
WITH (3) 16d NAILS @ 16" O.C. BLOCKING AT
HORIZONTAL JOINTS IN BRACED WALL LINES ONLY
REQUIRED AT SHADED WALLS, UNO.

SHADED WALLS:

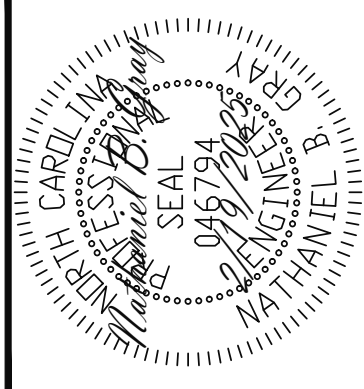
PROVIDED CONTINUOUS SHEATHING = 250' MIN.
-WALL BRACING IS BY ENGINEERED DESIGN AND
NOT PRESCRIPTIVE PER SECTION 602.10 OF THE
2018 NCR. CONTINUOUS SHEATHING HAS BEEN
PROVIDED, ALONG WITH ALTERNATIVE METHODS TO
INSURE THE MINIMUM INTENT OF SECTION 602.10 OF
THE 2018 NCR HAS BEEN MET AND EXCEEDED.

-BRACED WALL PANELS SHALL BE FASTENED IN
ACCORDANCE WITH TABLE 602.3(1) TO PROVIDE
CONTINUOUS PANEL UPLIFT RESISTANCE AND
COMPLIANCE WITH NCRBC R602.3.5 AND R802.11
UNLESS NOTED OTHERWISE ON STRUCTURAL PLANS.

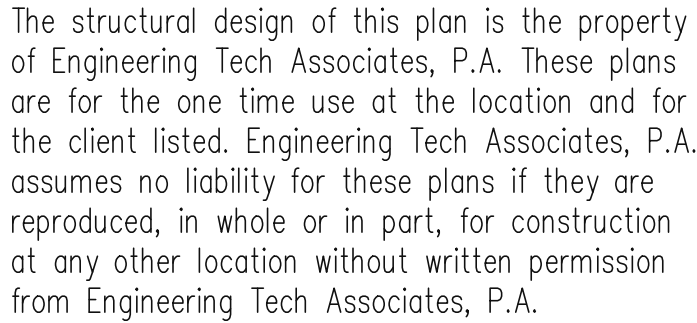
1ST FLOOR FRAMING PLAN

WALLS AND CEILING
1/4" = 1'-0"

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License No. C-3870
318 W Millbrook Road, Unit 201
Raleigh, North Carolina 27609
Phone: (919) 844-1661



ADAMS HOMES		2/19/2025	
SCOPE	STRUCTURAL ADDENDUM	ENG: NRG/WHF	REV:
	LOT #:	49 KIPLING CREEK	2316 MASTER
PLAN NO.		2316	
PROJECT NO.		25-18-074	
SHEET NO.		S2	
		2 of 6	



EXPOSURE B, 120 MPH, ANY PITCH, 24" O.C. MAX ROOF TRUSS SPACING

TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE BELOW.

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

ROOF SPAN
UP TO 18' CONNECTOR
NAILING PER TABLE 602.3(1)
NRCBC 2018 EDITION

OVER 18' (1) SIMPSON H2.5A HURRICANE CLIP TO
DBL TOP PLATE OR BEAM

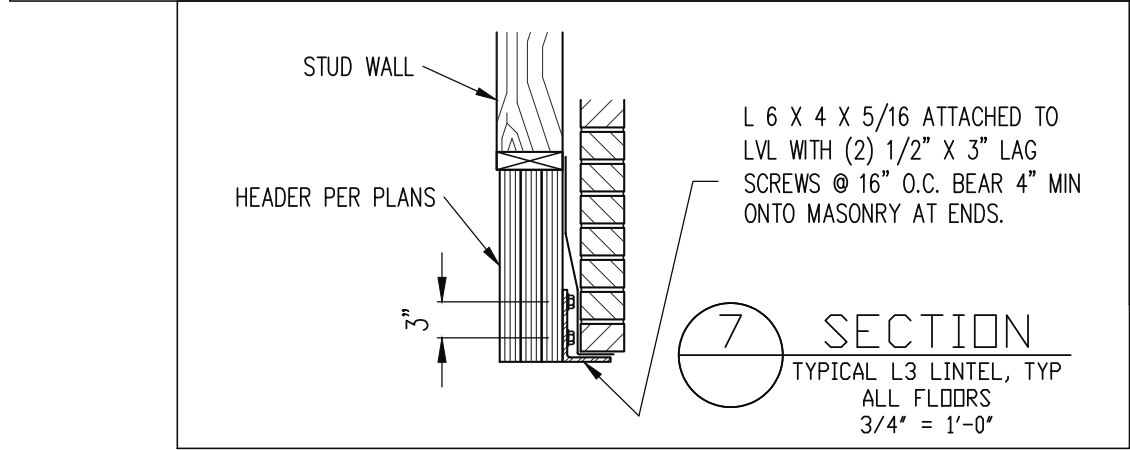
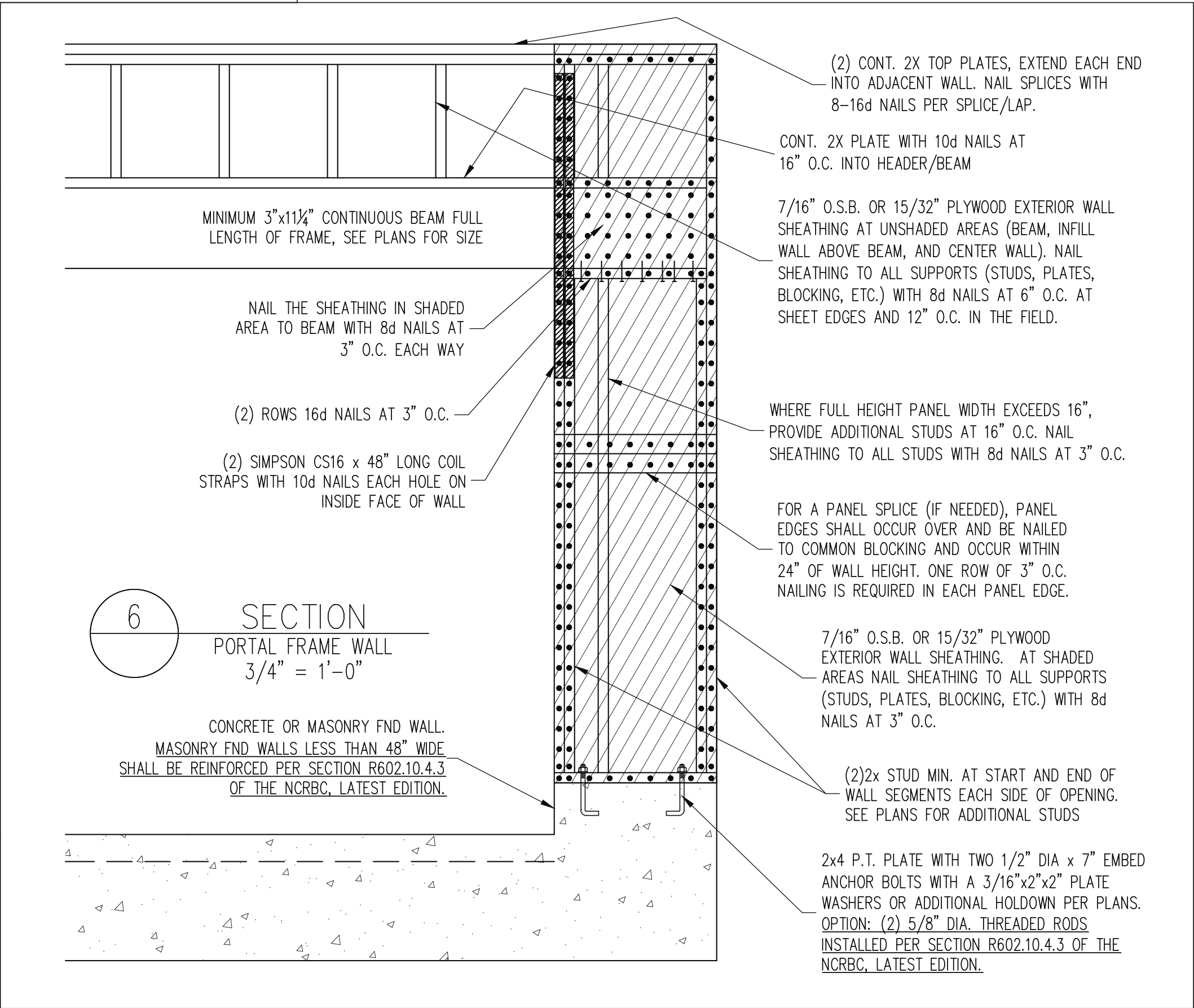
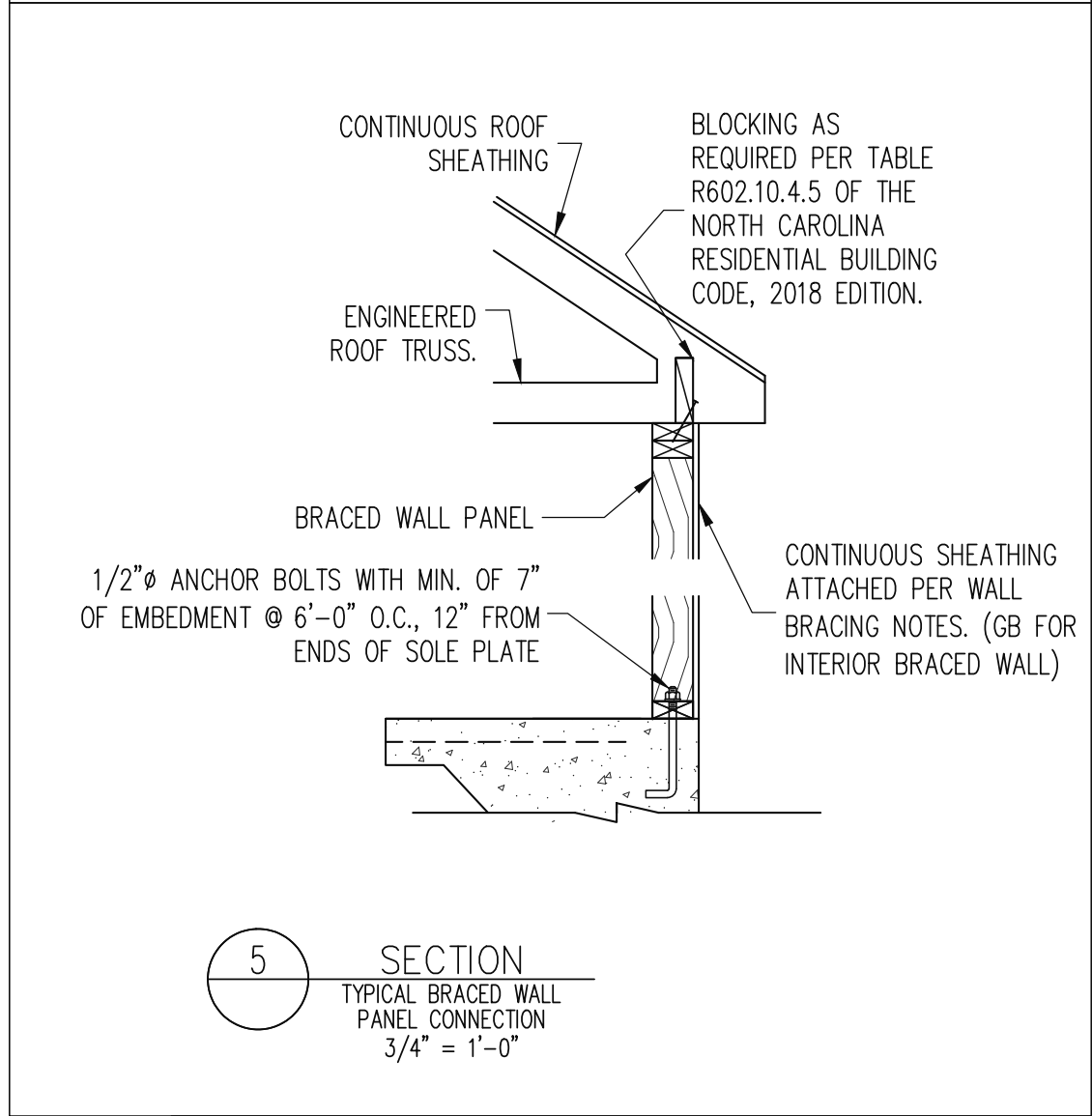
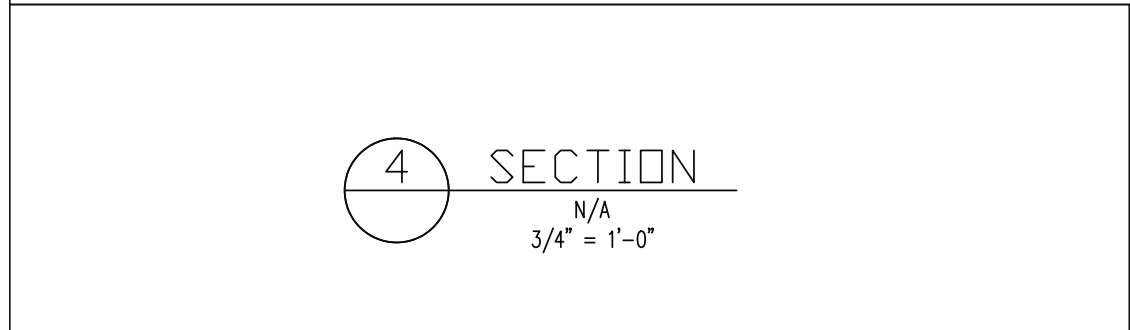
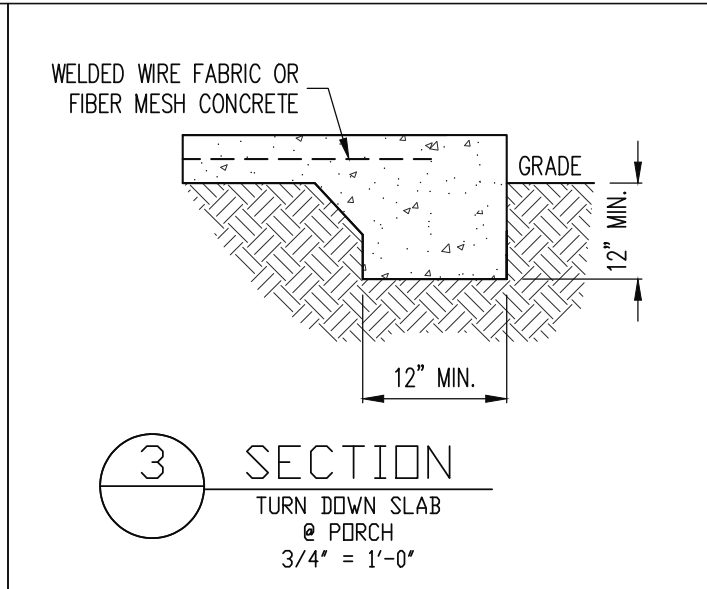
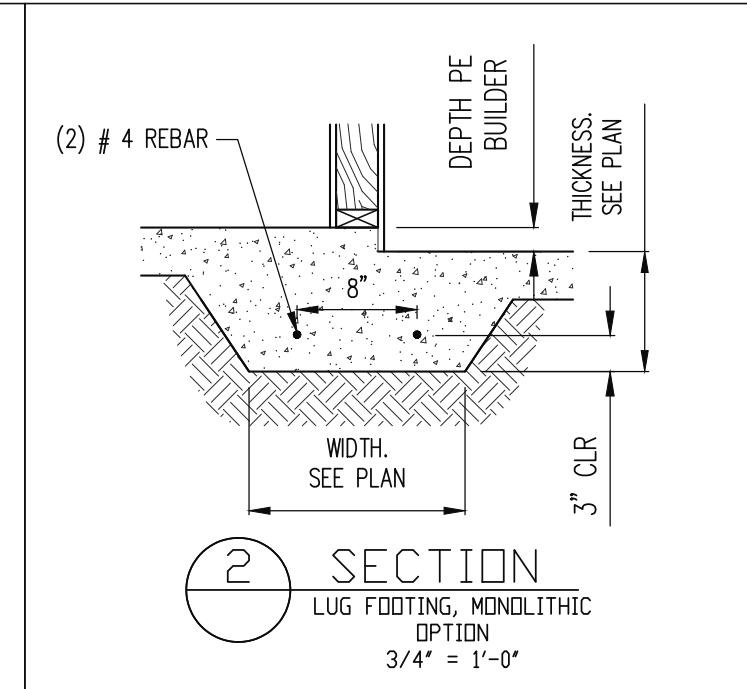
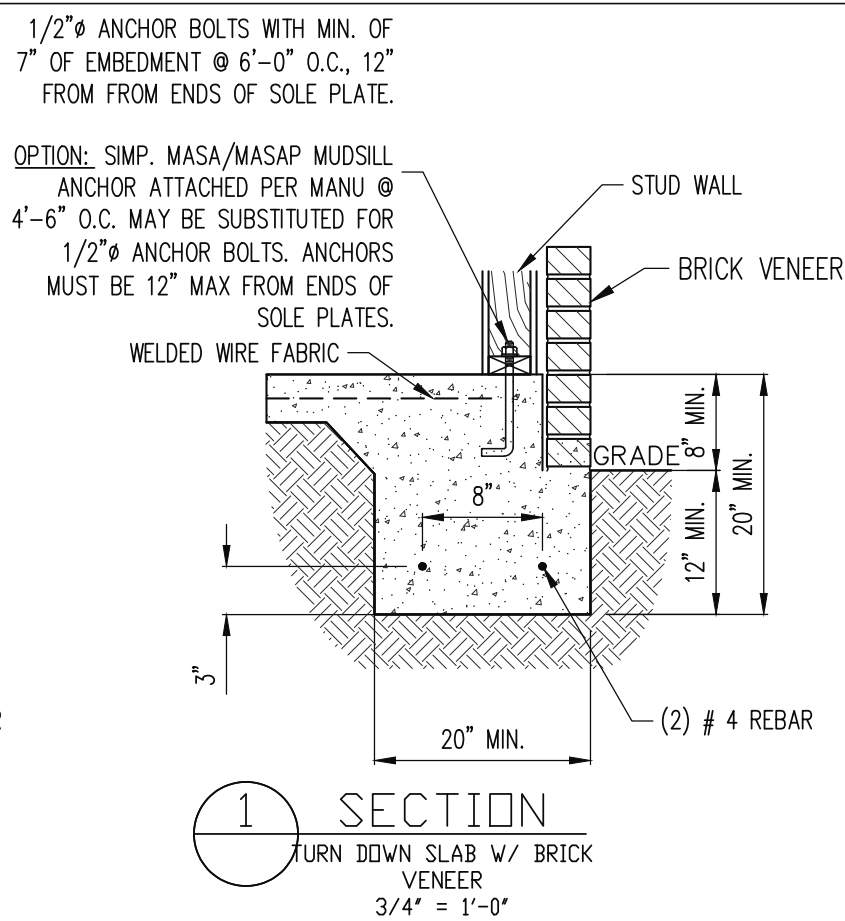
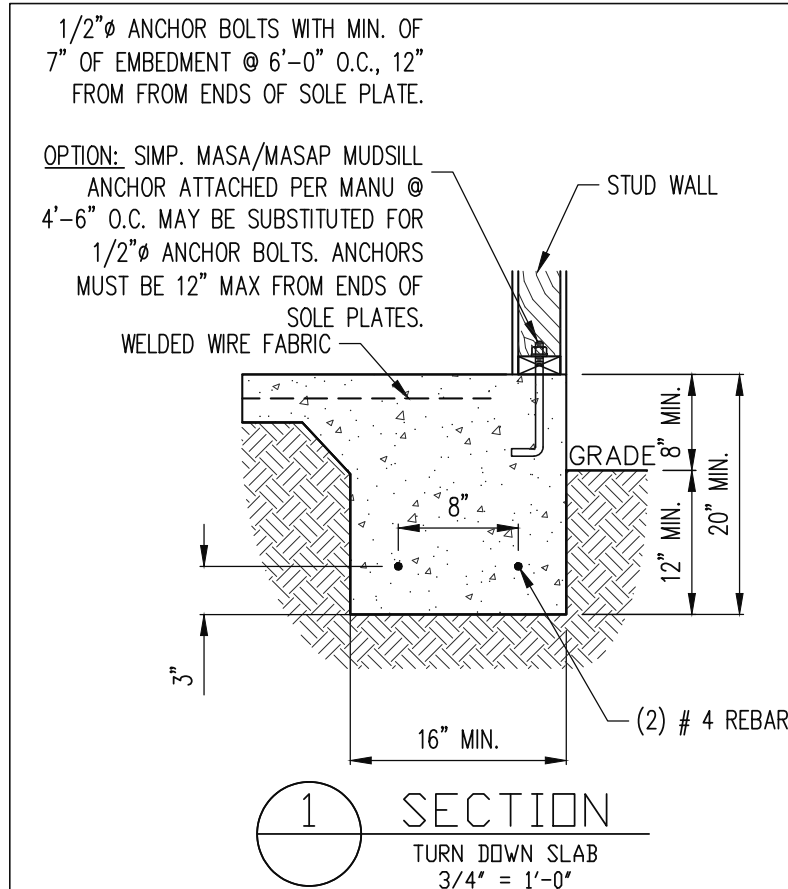
- ROOF TRUSSES PER MANU. TYPICAL U.N.O.
- ROOF PITCHES 7:12 TYP U.N.O.
- VERIFY ALL KNEEWALL HEIGHTS, ROOF PITCHES, AND ARCHITECTURAL OVERHANGS PRIOR TO CONSTRUCTION

1/4" = 1'-0"

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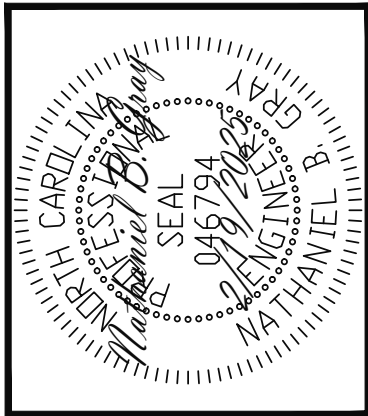
ASSOCIATES, P.A.

SHEET NO.
S3
3 of 6



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318 W Millbrook Road, Unit 201
Raleigh, North Carolina 27609
Phone: (919) 844-1661

Engineering Associates, P.A.

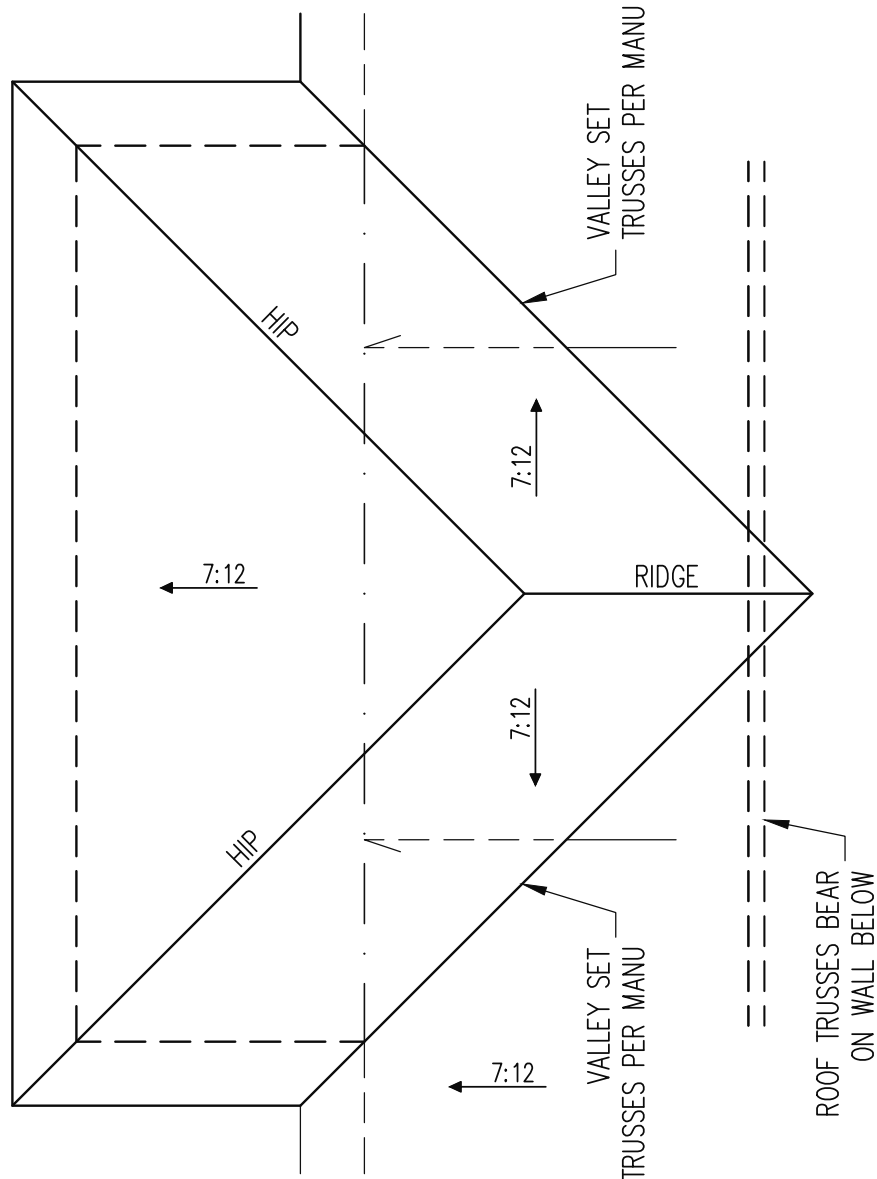


ADAMS HOMES		2/19/2025	
SCOPE	STRUCTURAL ADDENDUM	ENG: NRC/WHF	REV:
	LOT #:	49 KIPLING CREEK	2316 MASTER

PLAN NO.
2316

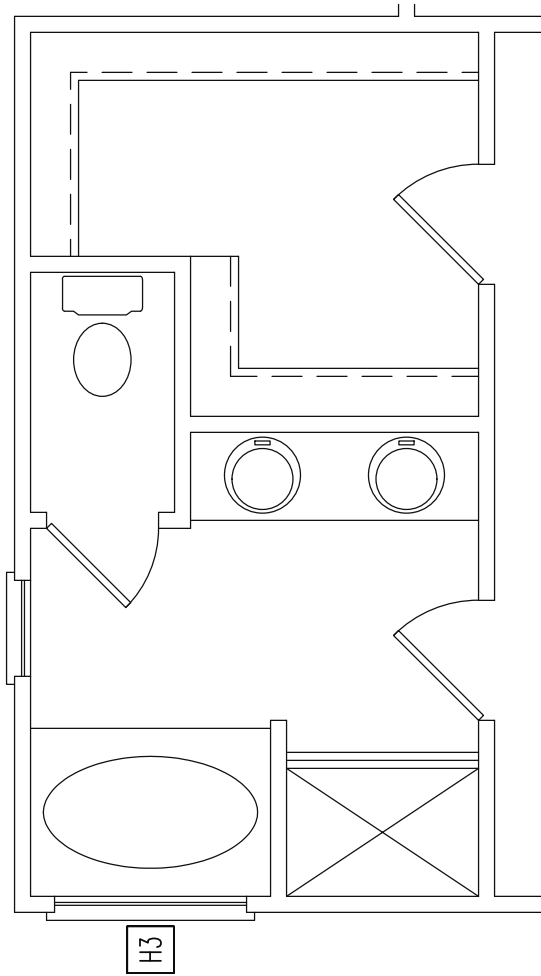
PROJECT NO.
25-18-074

SHEET NO.
SD1

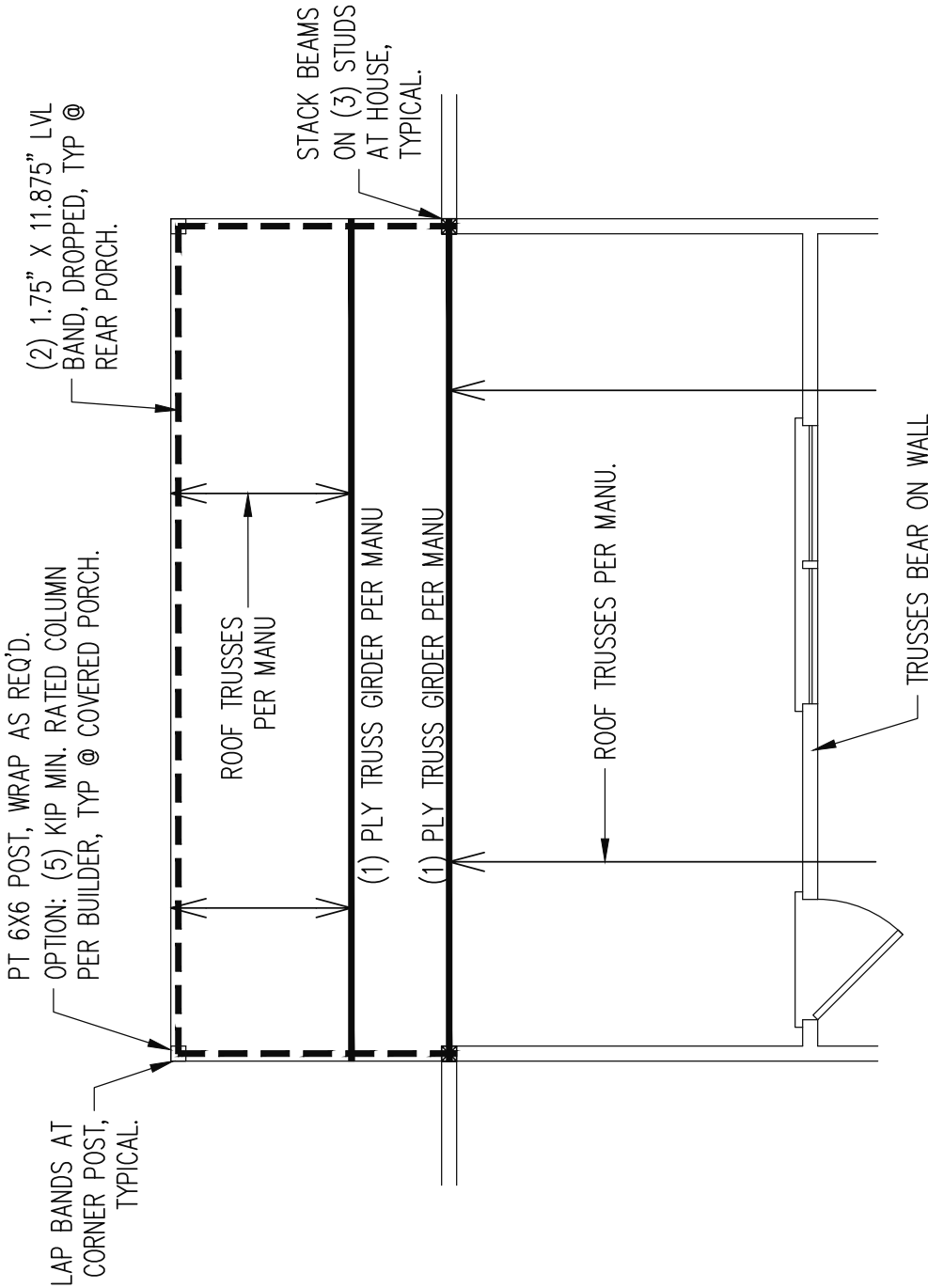


COVERED PORCH

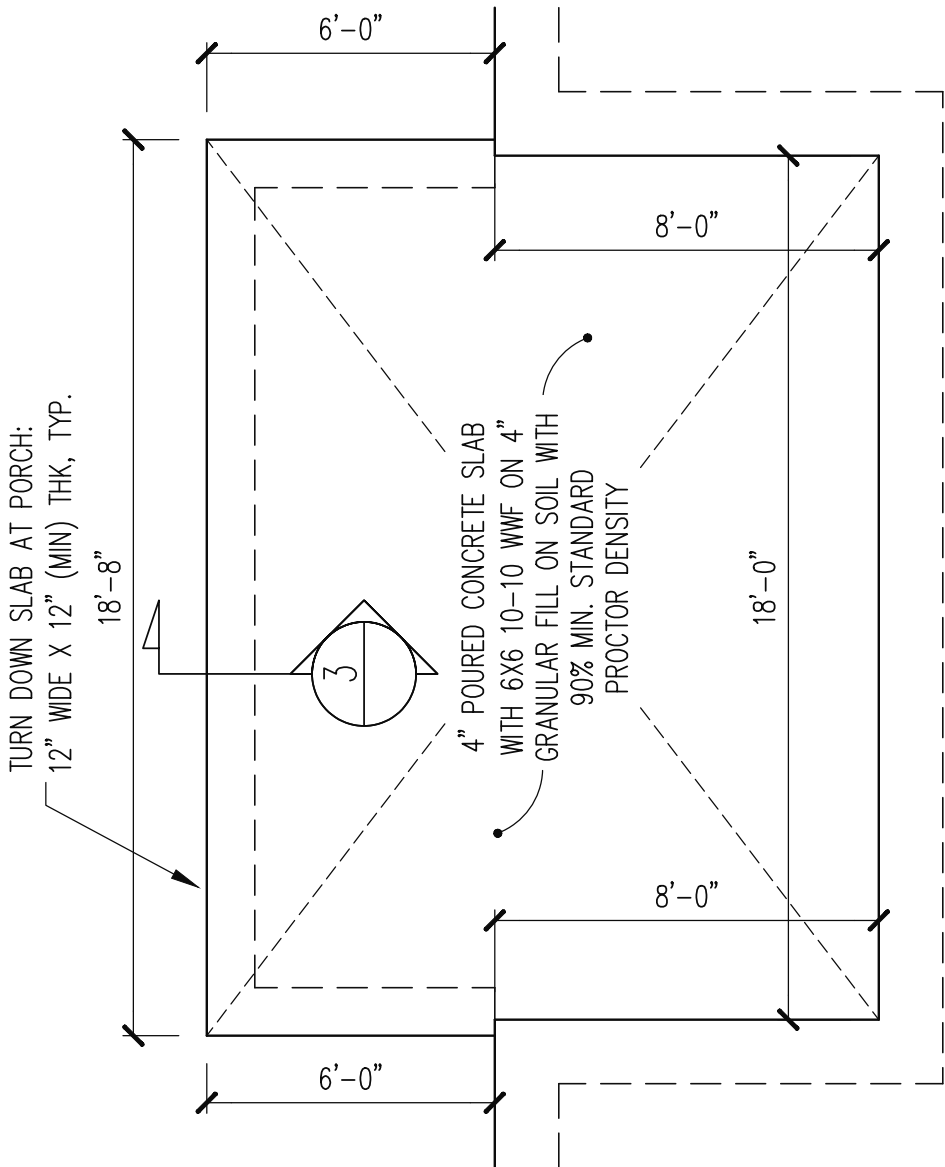
SCALE: 1/4"=1'-0"



OPTIONAL MASTER BATH



OPTIONAL FIREPLACE

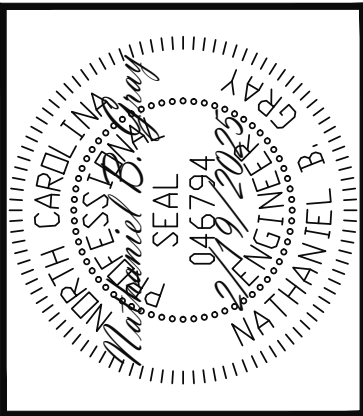


ADAMS HOMES			
SCOPE	STRUCTURAL ADDENDUM		
LOT #:	49 KIPLING CREEK	ENG:	NBC/WHF
		REV:	
	2316 MASTER	DATE:	2/19/2025

PLAN NO.
2316

PROJECT NO.
25-18-074

SHEET NO.
S6



Engineering

Associates, P.A.

STRUCTURAL ENGINEERS
License No. C-3870
318 W Millbrook Road, Unit 201
Raleigh, North Carolina 27609
Phone: (919) 844-1661