

Residence for

Adams Homes AEC, LLC

Plan 1727 "B" FE (R) KC006

GENERAL NOTES

- ALL WORK IS TO BE DONE IN STRICT ACCORDANCE WITH NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE, 2018 EDITION (HEREIN SHOWN AS N.C.S.R.B.C.).
- DIMENSIONS SHOWN ON DRAWINGS GOVERN OVER SCALE.
- STUD WALL DESIGN SHALL CONFORM TO ALL N.C.S.R.B.C. REQUIREMENTS.
- CONTRACTOR SHALL USE TEMPERED SAFETY GLASS IN ALL LOCATIONS AS REQUIRED BY N.C.S.R.B.C., 2018 EDITION, SECTION R308.4
- 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
- ALL WALLS SHOWN ON FLOOR PLANS ARE 2x4 FRAME UNLESS NOTED OTHERWISE.
- ALL ANGLED WALLS SHOWN ON FLOOR PLANS ARE 45° UNLESS NOTED OTHERWISE.
- 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).
- 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 AND N1102.1.
- TERMITE TREATMENT - BORATE APPLIED TO ALL FRAME MEMBERS WITHIN 24" AFF.

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RESIDENTIAL BUILDING CODE SUMMARY

- PLANS ARE DESIGNED TO THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE.
- HOUSE IS DESIGNED FOR 120 MPH, 3 SECOND GUST (93 MPH FASTEST WIND), EXPOSURE B.
- 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.
- MEAN ROOF HEIGHT: 15'-4"
- 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
- MINIMUM VALUES FOR ENERGY COMPLIANCE: ZONE 4
- MAXIMUM GLAZING U-FACTOR: 0.35
- 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)
- FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH SECTION R703.8 OF THE N.C.R.B.C.
- FIREBLOCKING SHALL BE INSTALLED IN ACCORDANCE WITH SECTION R602.8 OF THE N.C.R.B.C.
- DRAFTSTOPPING SHALL BE INSTALLED IN ACCORDANCE WITH SECTION R302.12 OF THE N.C.R.B.C.

AREA CALCULATIONS

1ST FLOOR:	1727	GARAGE:	397
2ND FLOOR:	N/A	FRONT PORCH:	75
TOTAL:	1727	COV. LANAI:	99
		TOTAL:	571

WIDTH: 35'-6"
DEPTH: 65'-2"

FOUNDATION VENTING CALCULATIONS

NOT NEEDED WITH SLAB FOUNDATION

ATTIC VENTILATION REQUIREMENTS

NATURAL ROOF VENTILATION 2298 SQ. FT. 150 = 15.325 SQ. FT. VENT REQ'D	MECHANICAL ROOF VENTILATOR 2298 SQ. FT. 300 = 7.66 SQ. FT. VENT REQ'D
BUILDER TO PROVIDE APPROPRIATE VENTILATING AS REQUIRED PER CODE	

MATERIALS LEGEND

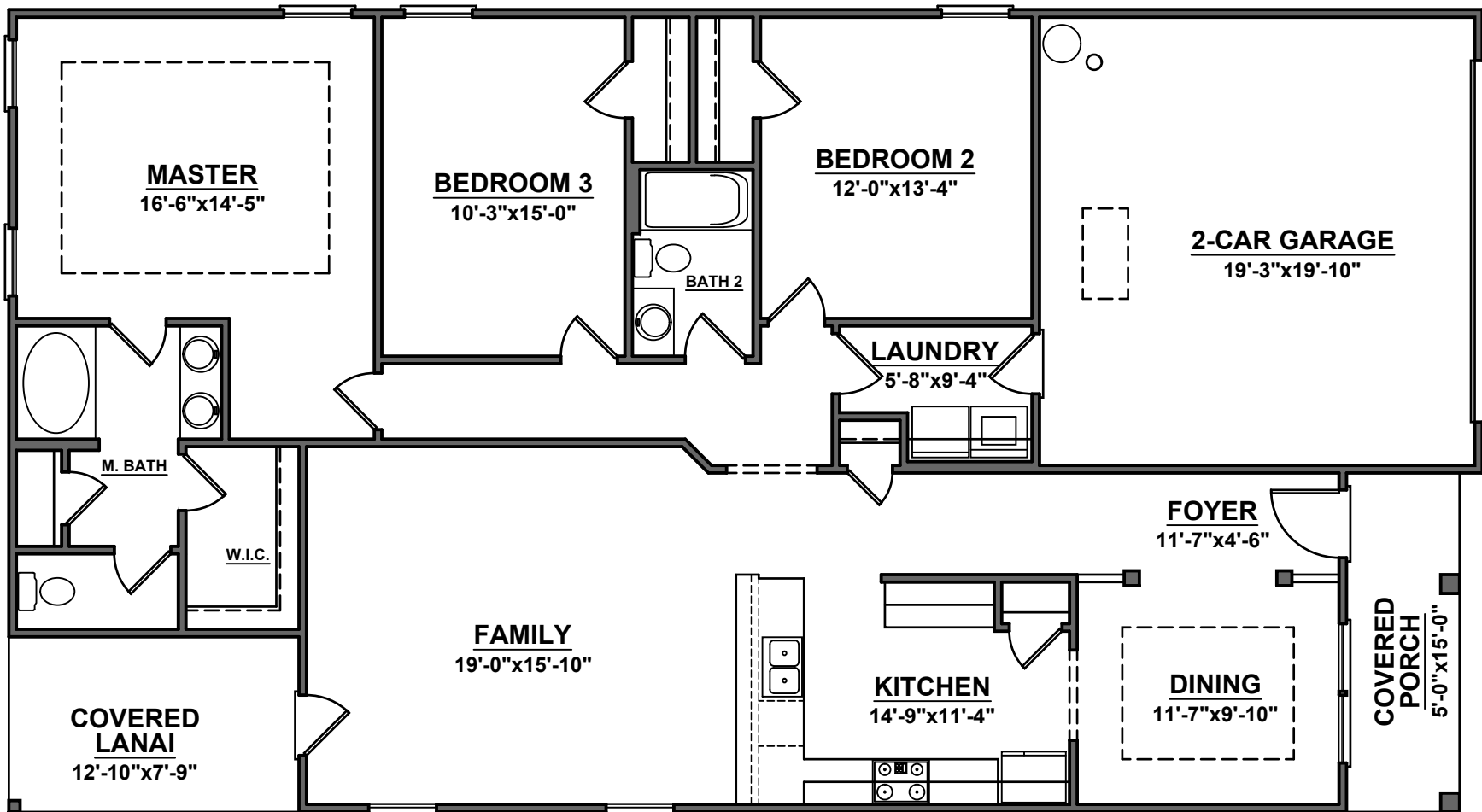
	EARTH/COMPACT FILL		FINISH WOOD
	CONCRETE		ROUGH WOOD
	BRICK		BLOCKING
	CONCRETE BLOCK/STONE		PLYWOOD
	STEEL		BATT INSULATION
	ALUMINUM		RIGID INSULATION

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.



7589



HOMES AEC, LLC

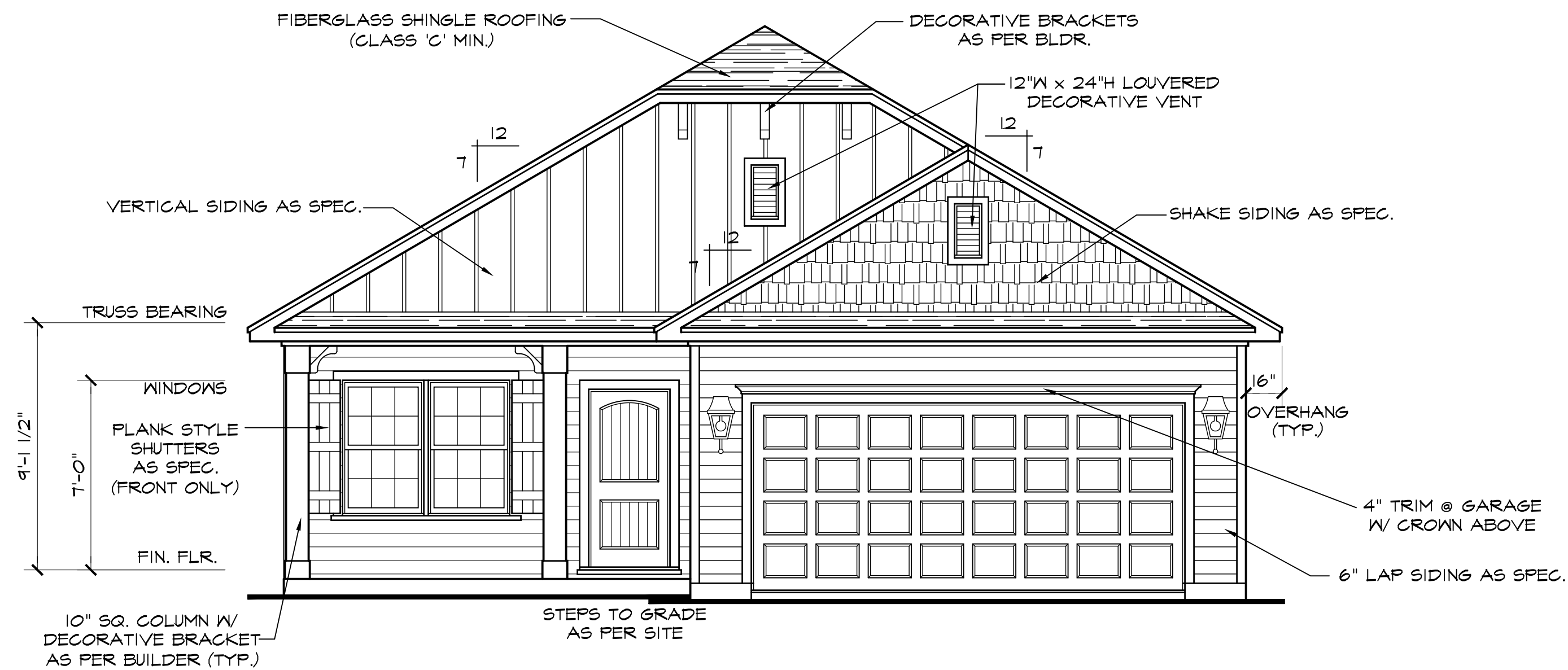


1727 "B" FE (R) KC006

DATE DRAWN
5/1/2025
PROJECT
7589
REVISIONS

SHEET

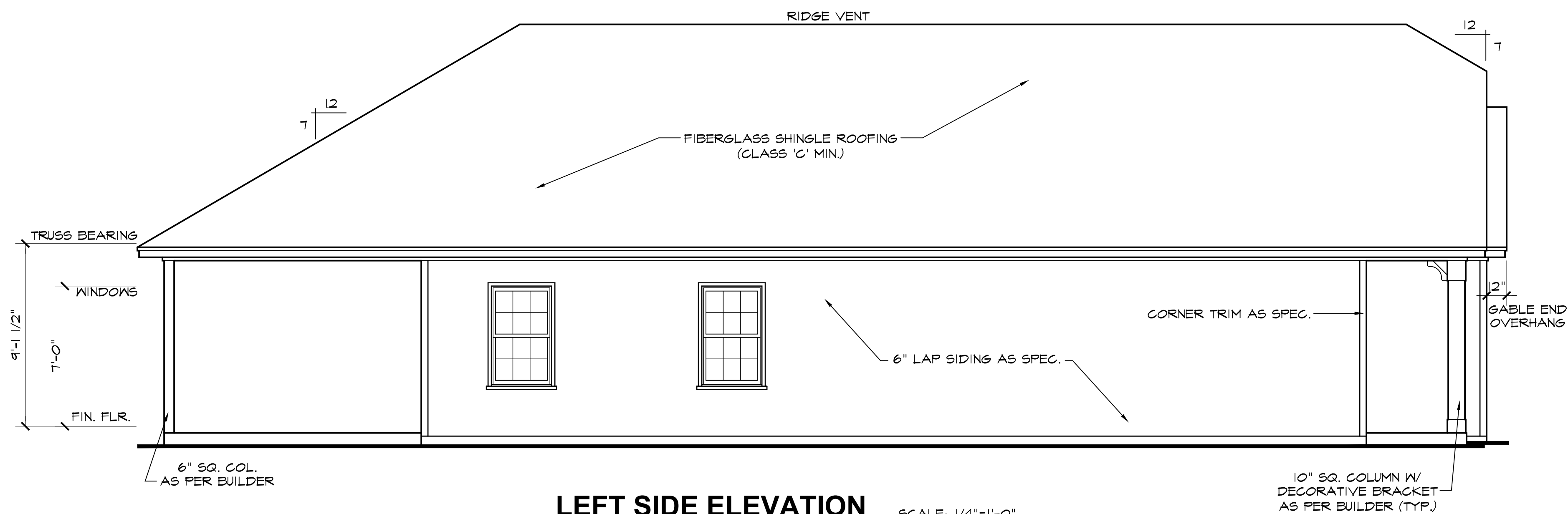
1



FRONT ELEVATION B

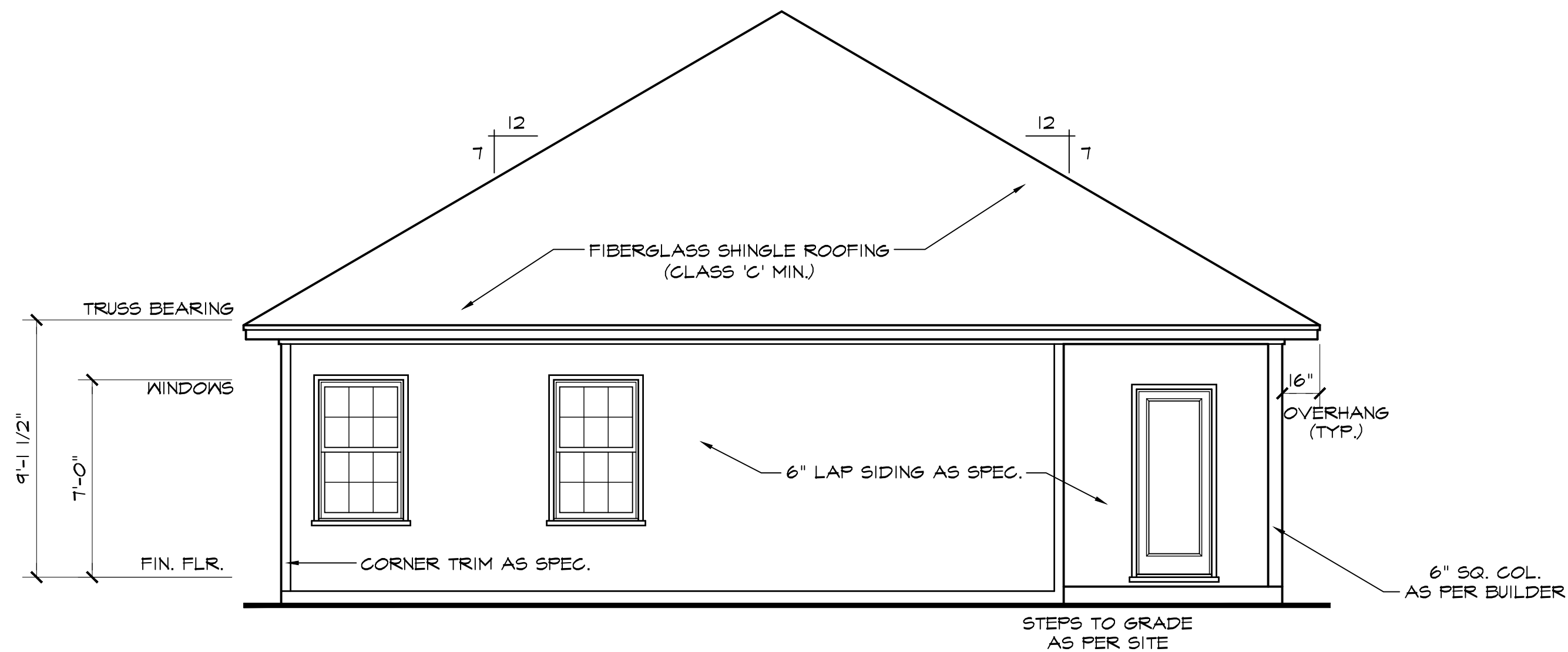
SCALE: 1/4"=1'-0"

NOTE - SLOPE ALL GRADES AWAY FROM HOUSE FOR POSITIVE DRAINAGE



LEFT SIDE ELEVATION

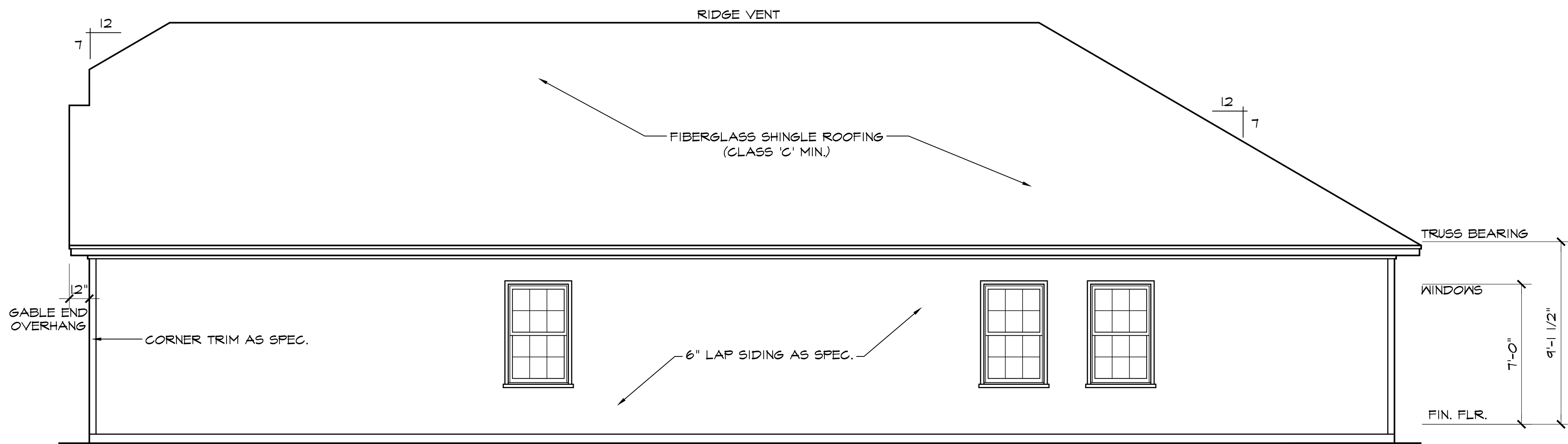
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REAR ELEVATION

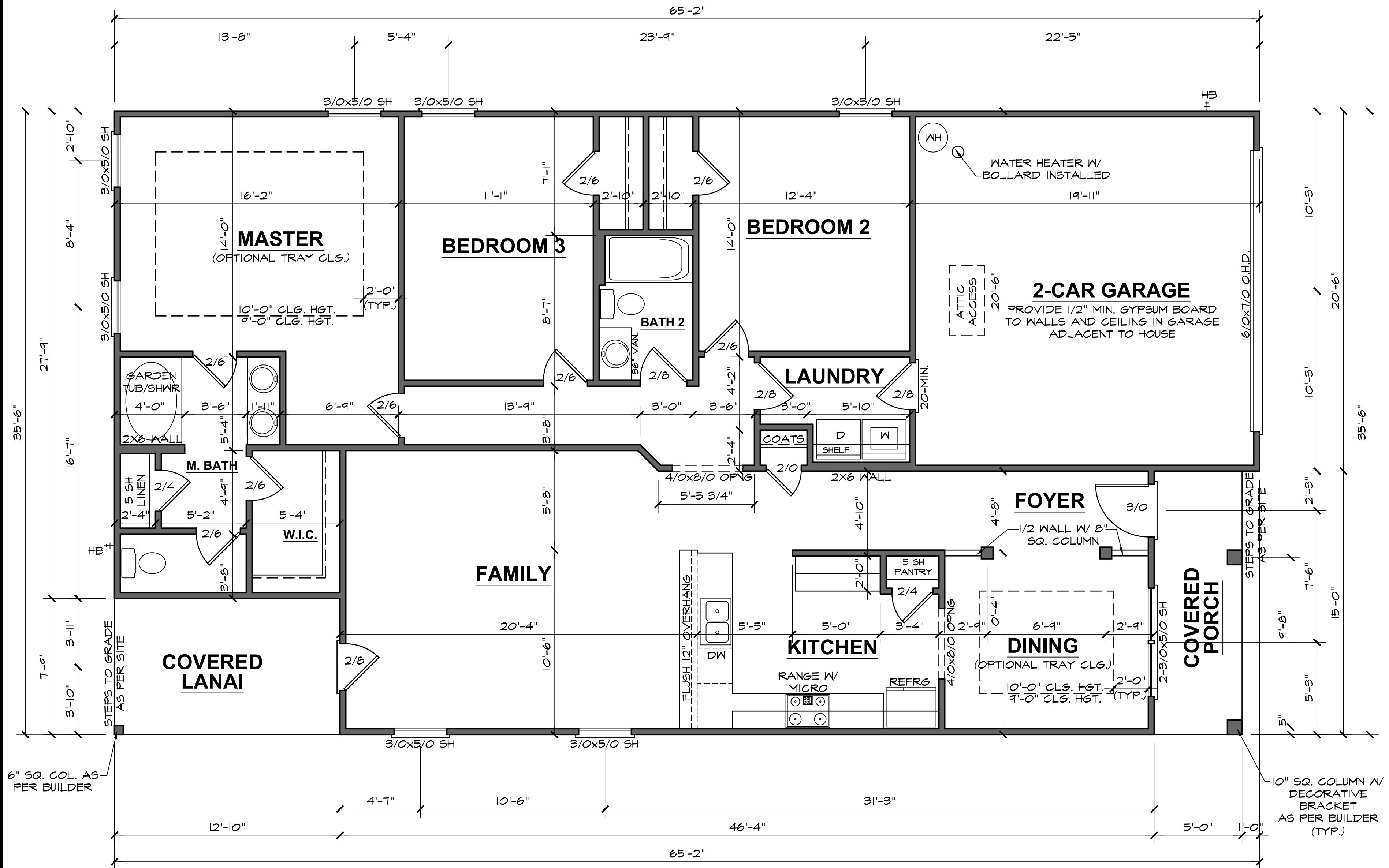
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NOTE - SLOPE ALL GRADES AWAY FROM HOUSE FOR POSITIVE DRAINAGE



RIGHT SIDE ELEVATION

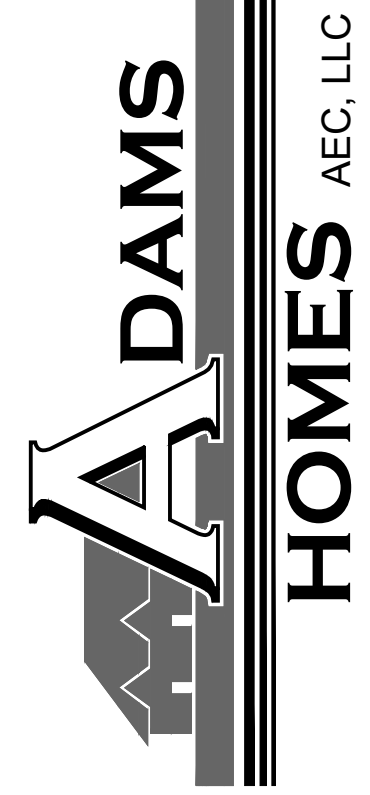
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1727 "B" FE (R) KC006

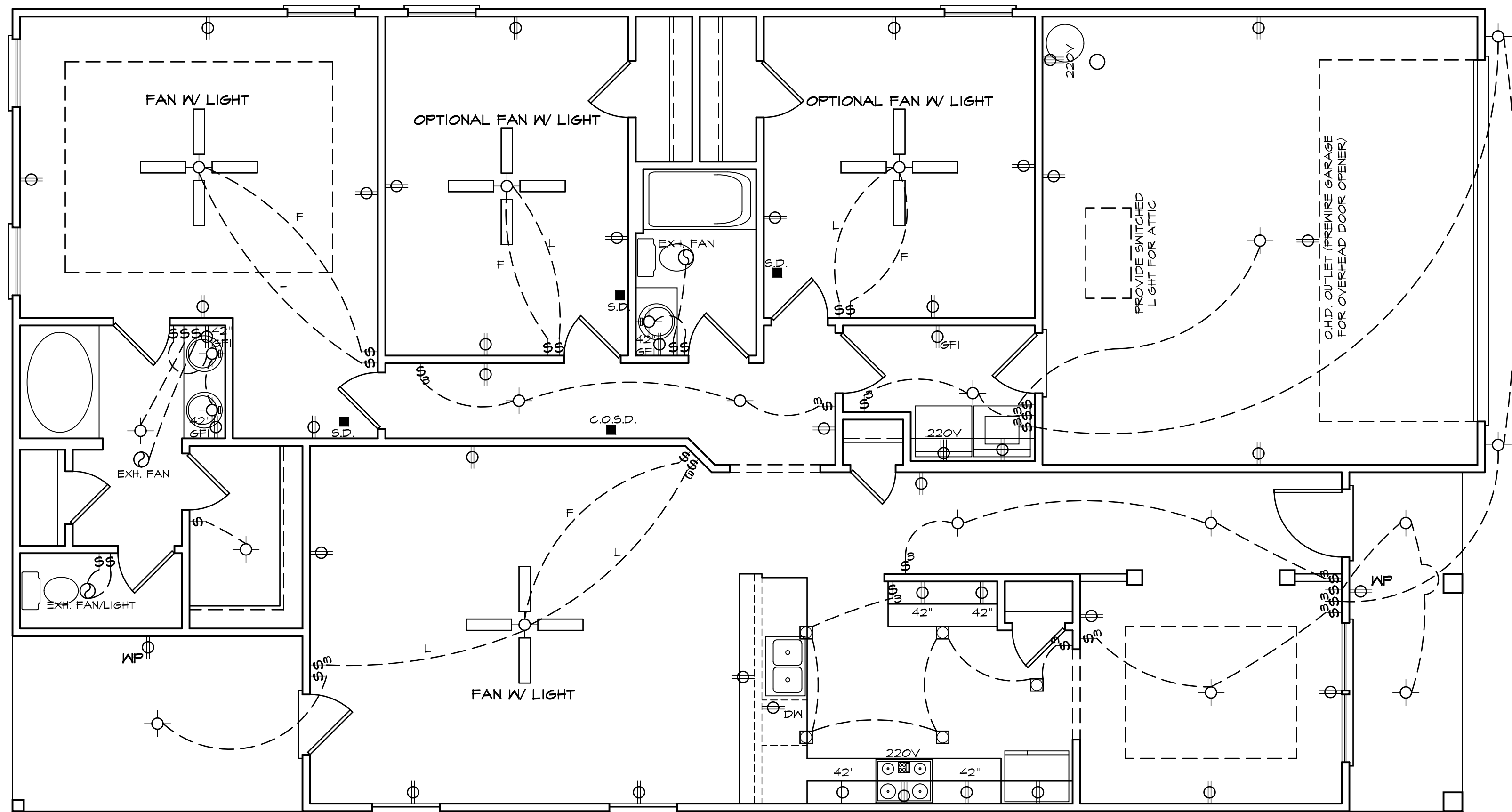
DATE DRAWN	5/1/2025
PROJECT	7589
REVISIONS	

SHEET	3
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FLOOR PLAN

9'-0" (NOM.) CLG. HGT. U.N.O.
SET WINDOWS @ 7'-0" U.N.O.
SCALE: 1/4"=1'-0"



ELECTRICAL LEGEND

- | | |
|---|--------------------------|
| ○ - LIGHT FIXTURE | ⊕ - CLG FAN/LIGHTS |
| ⊙ - FAN/LIGHT | |
| ⊕WP - WATERPROOF OUTLET | ⊕ - TRACK LIGHTS |
| □ - RECESSED LIGHTING | ⊕ - FLUORESCENT LIGHTING |
| \$ - SINGLE PULL SWITCH | ○ - CABLE OUTLET |
| \$3 - 3-WAY SWITCH | ▲ - TELEPHONE OUTLET |
| \$4 - 4-WAY SWITCH | Δ - COMPUTER DATA OUTLET |
| \$D - DIMMER SWITCH | ⊗ - BURGLAR ALARM |
| ■ - SMOKE DETECTOR | □ - INTERCOM |
| ⊕ - FLOOD LIGHTS | |
| ▽ - EYEBALL SPOTS | |
| ⊕ - DUPLEX RECEPTACLE (110V) | |
| ⊕ - 220 VOLT RECEPTACLE | |
| ⊕ - SWITCHED RECEPTACLE (TOP WIRE ONLY) | |
| ⊕GFI - GROUND FAULT CIRCUIT INTERRUPTOR | |
- NOTE: ALL ELECTRICAL TO BE VERIFIED BY OWNER/BUILDER BEFORE ROUGH-IN.

ELECTRICAL PLAN

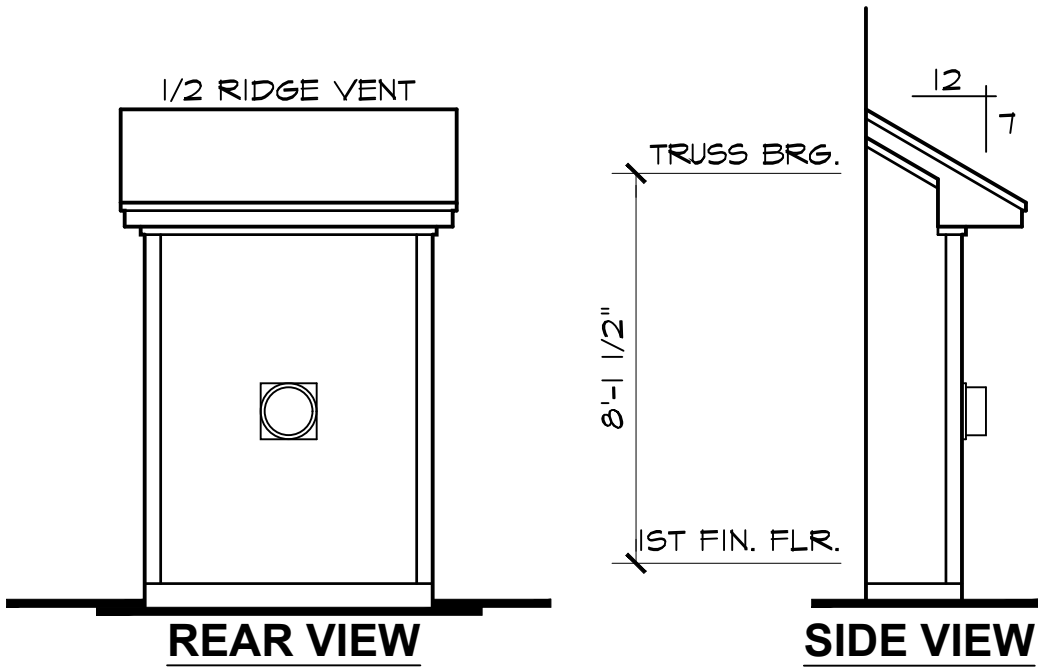
NOTE - ELECTRICAL RECEPTACLE AND SWITCH QUANTITIES AND LOCATIONS SHOWN ON PLAN ARE FOR ILLUSTRATION PURPOSES ONLY. ACTUAL NUMBER AND LOCATIONS SHALL BE FIELD DETERMINED AS PER CLIENT AND BUILDER EXCEPT WHERE CODE REQUIREMENTS APPLY.

1727 "B" FE (R) KC006

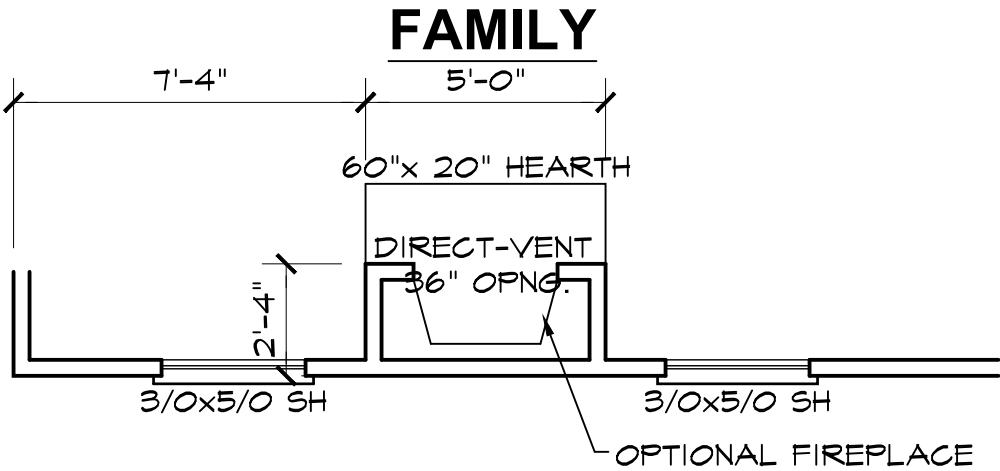
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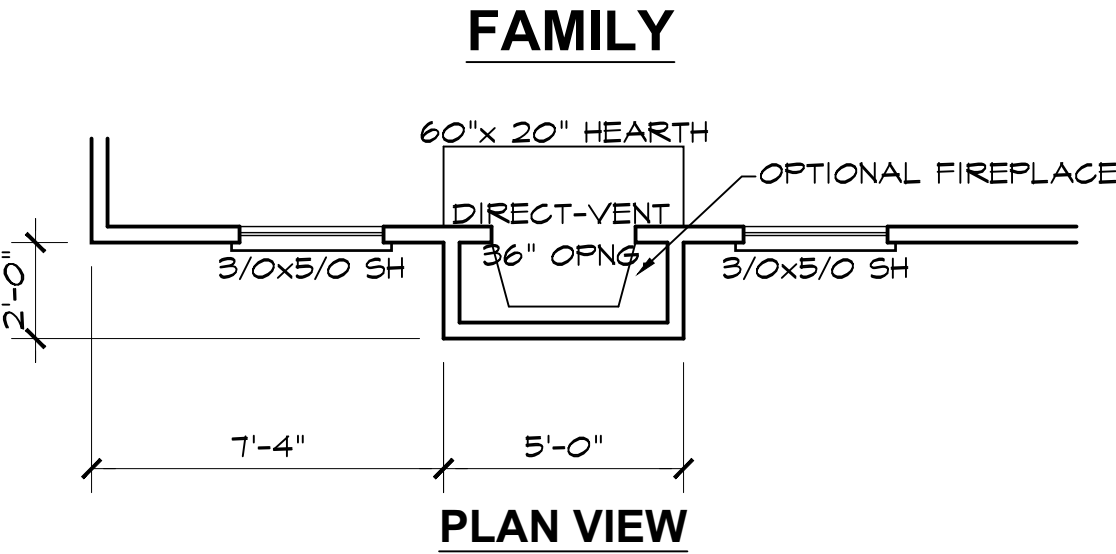
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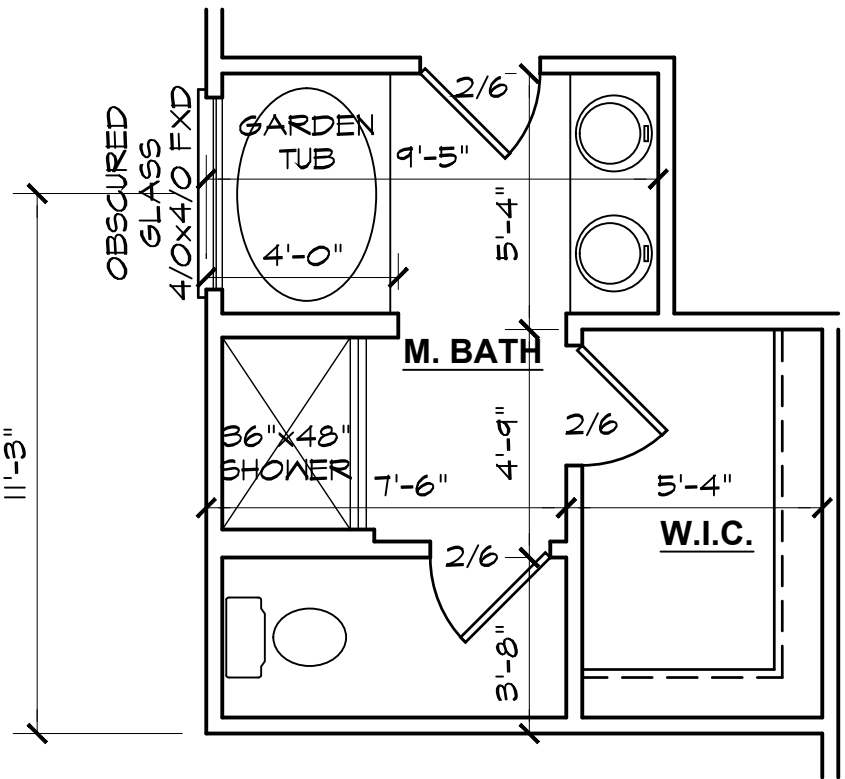
OPTIONAL FIREPLACE BUMP OUT



OPTIONAL FIREPLACE



PLAN VIEW



OPTIONAL MASTER BATH

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

FLOOR PLAN OPTION SHEET

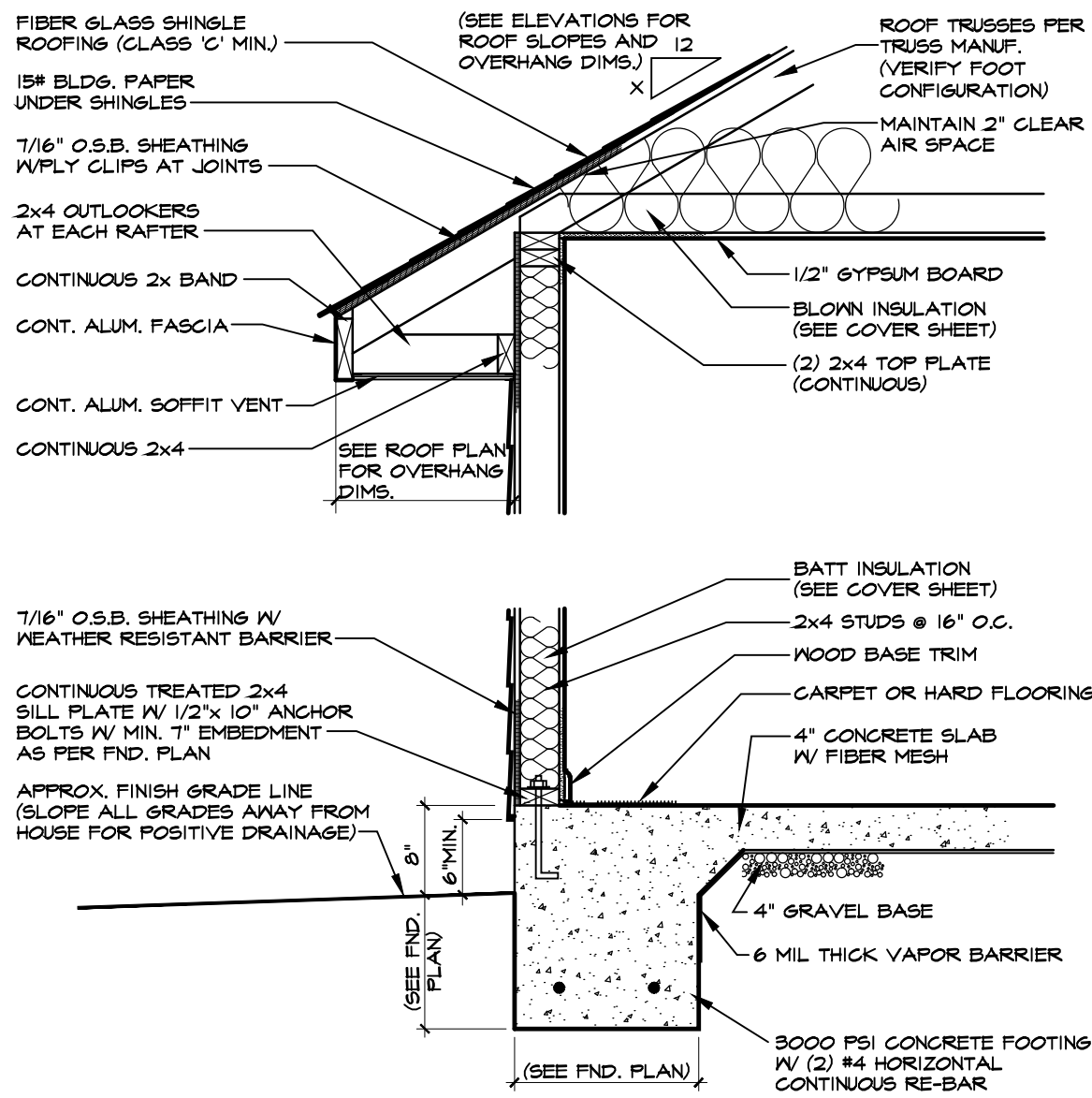
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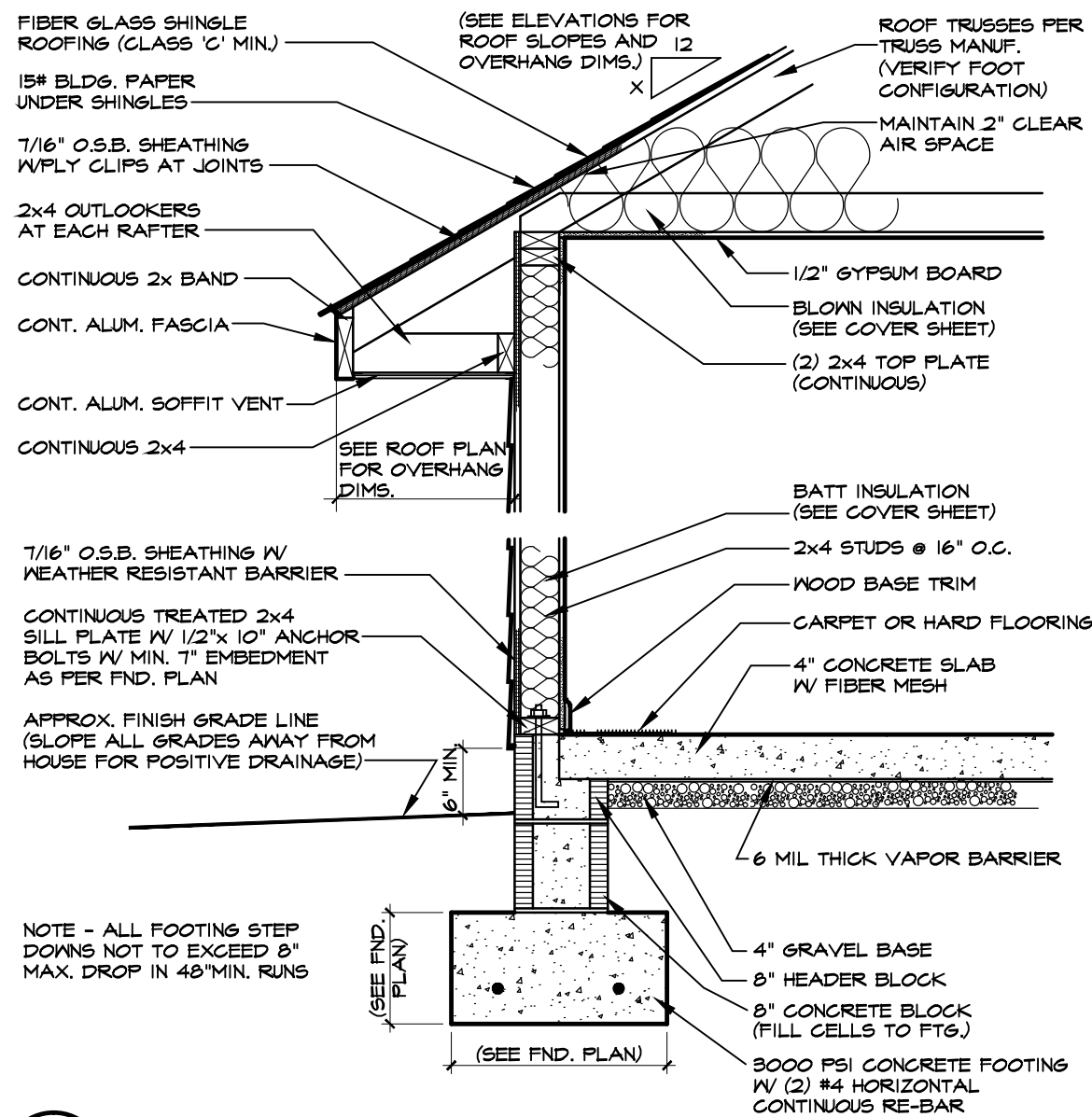
SHEET

opt1

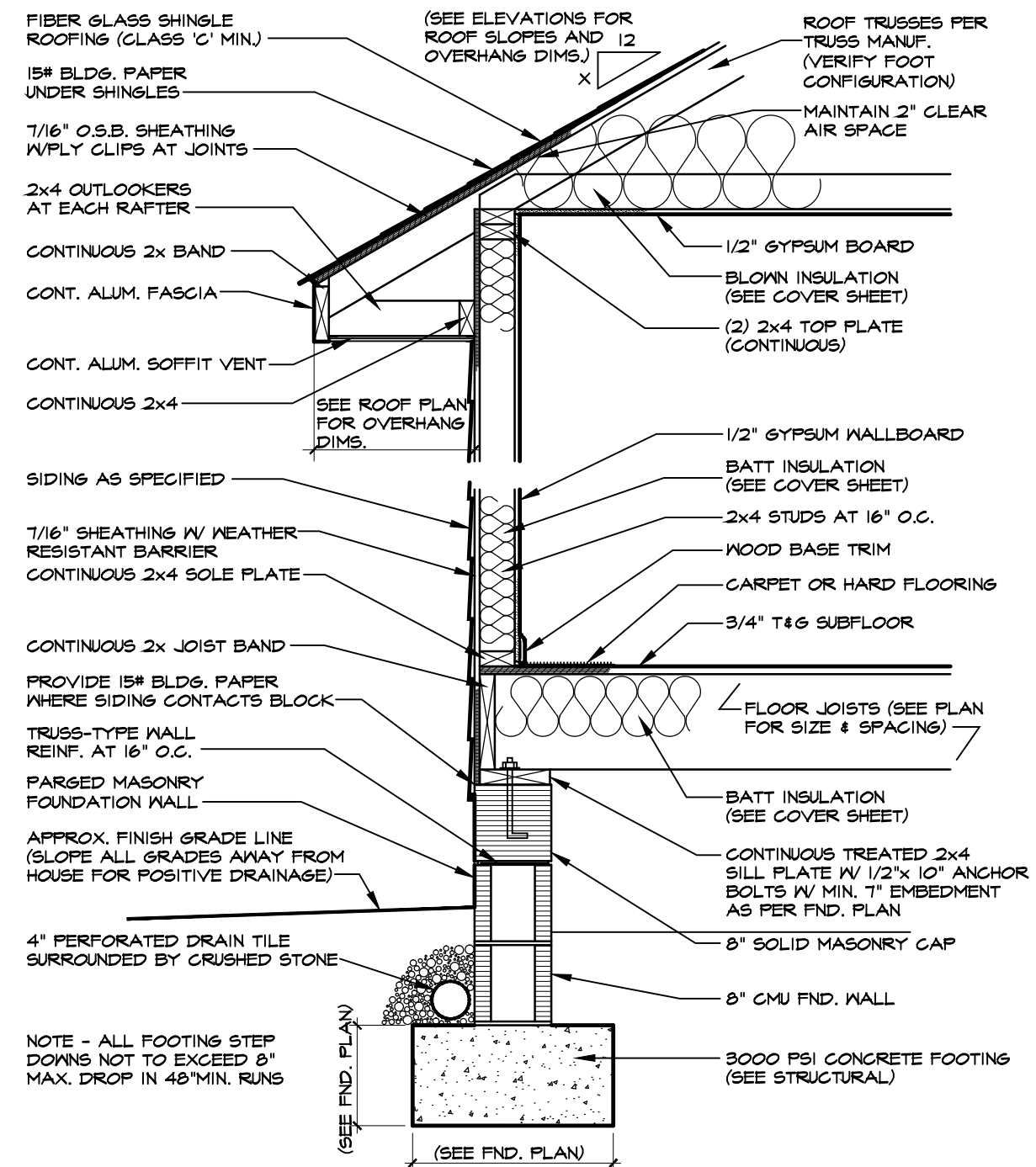




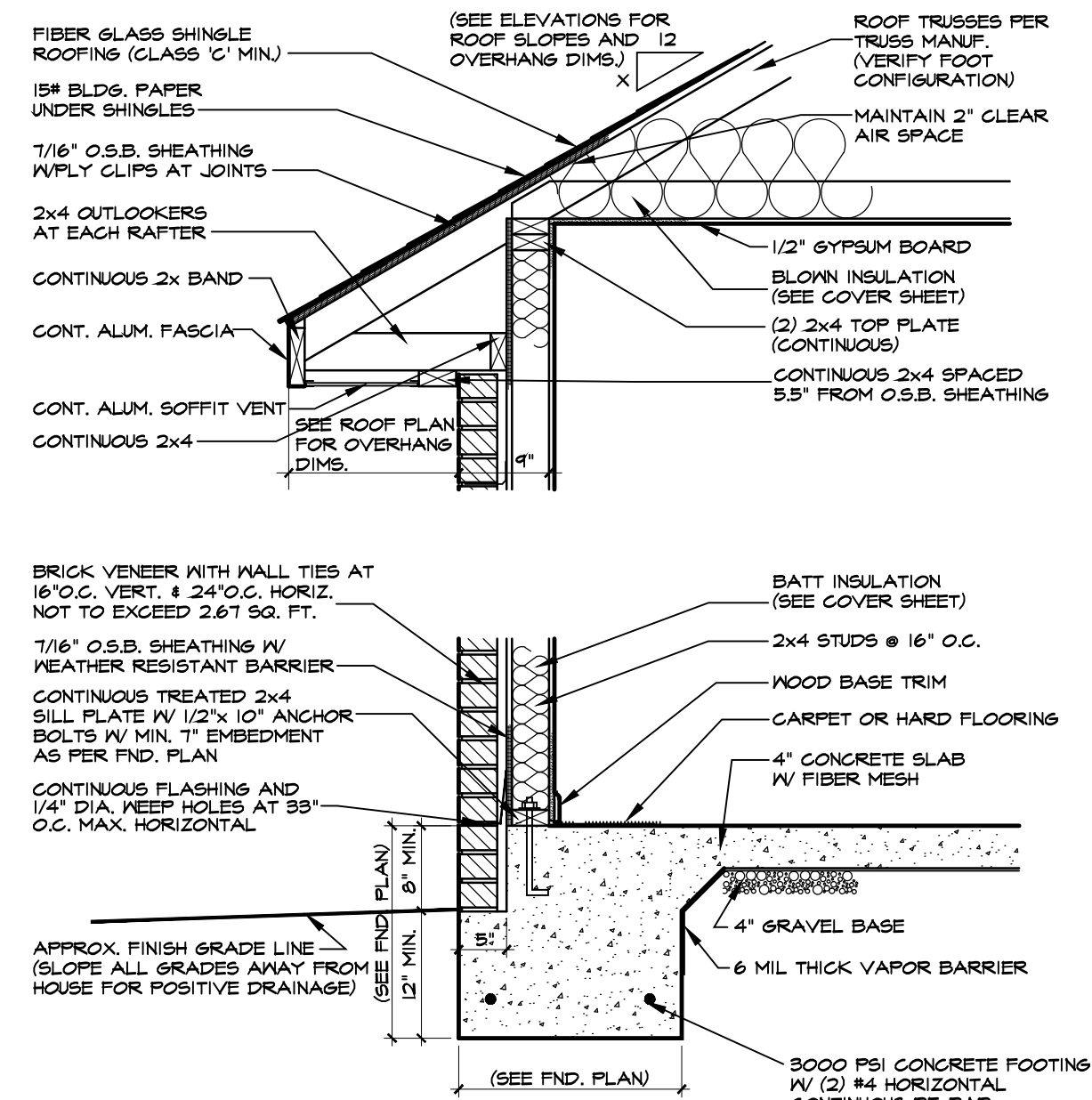
1 ONE-STORY WALL SECTION W/SIDING
SCALE: 3/4"=1'-0"
MONO SLAB



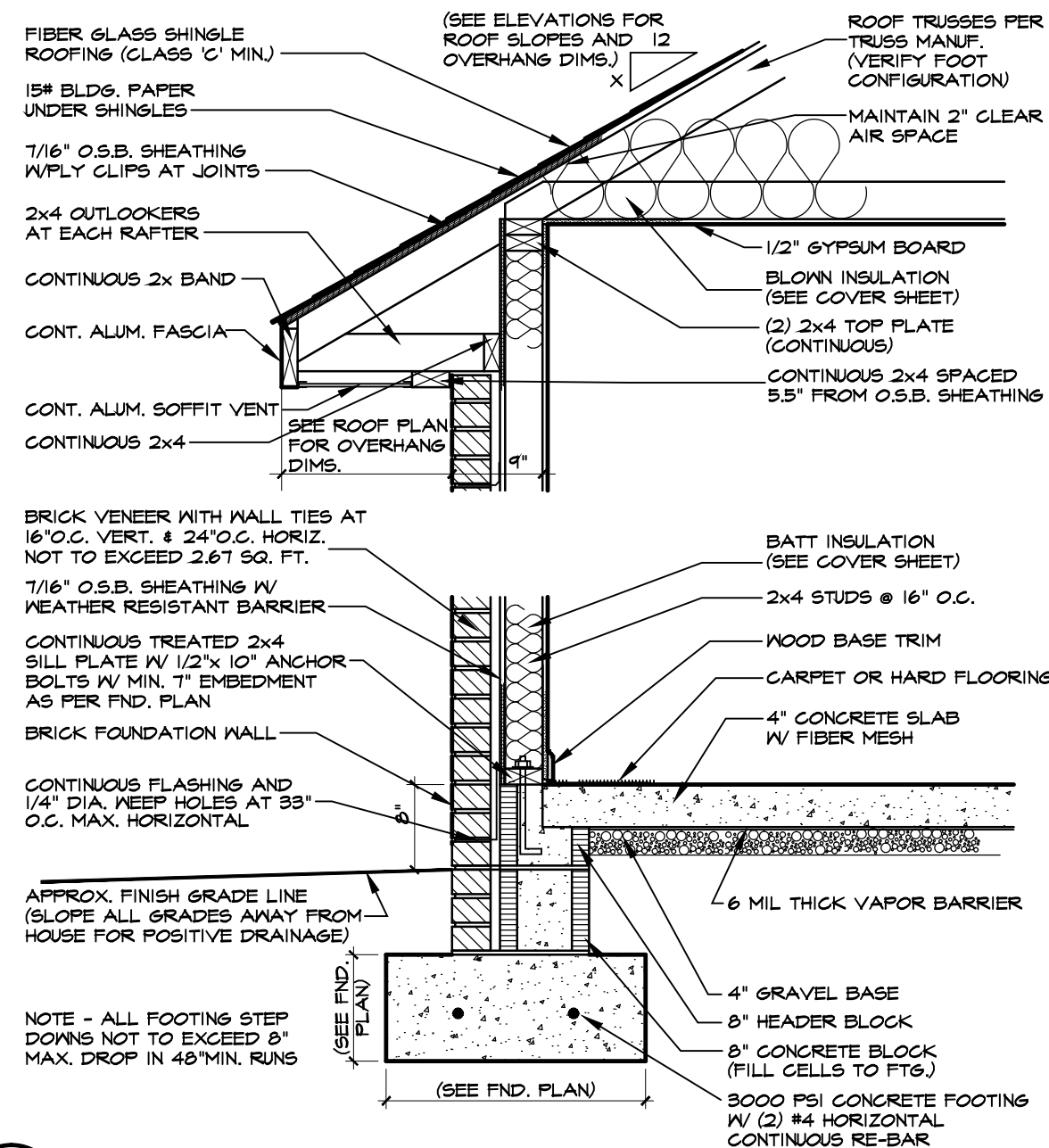
2 ONE-STORY WALL SECTION W/SIDING
SCALE: 3/4"=1'-0"
BLOCK STEM WALL



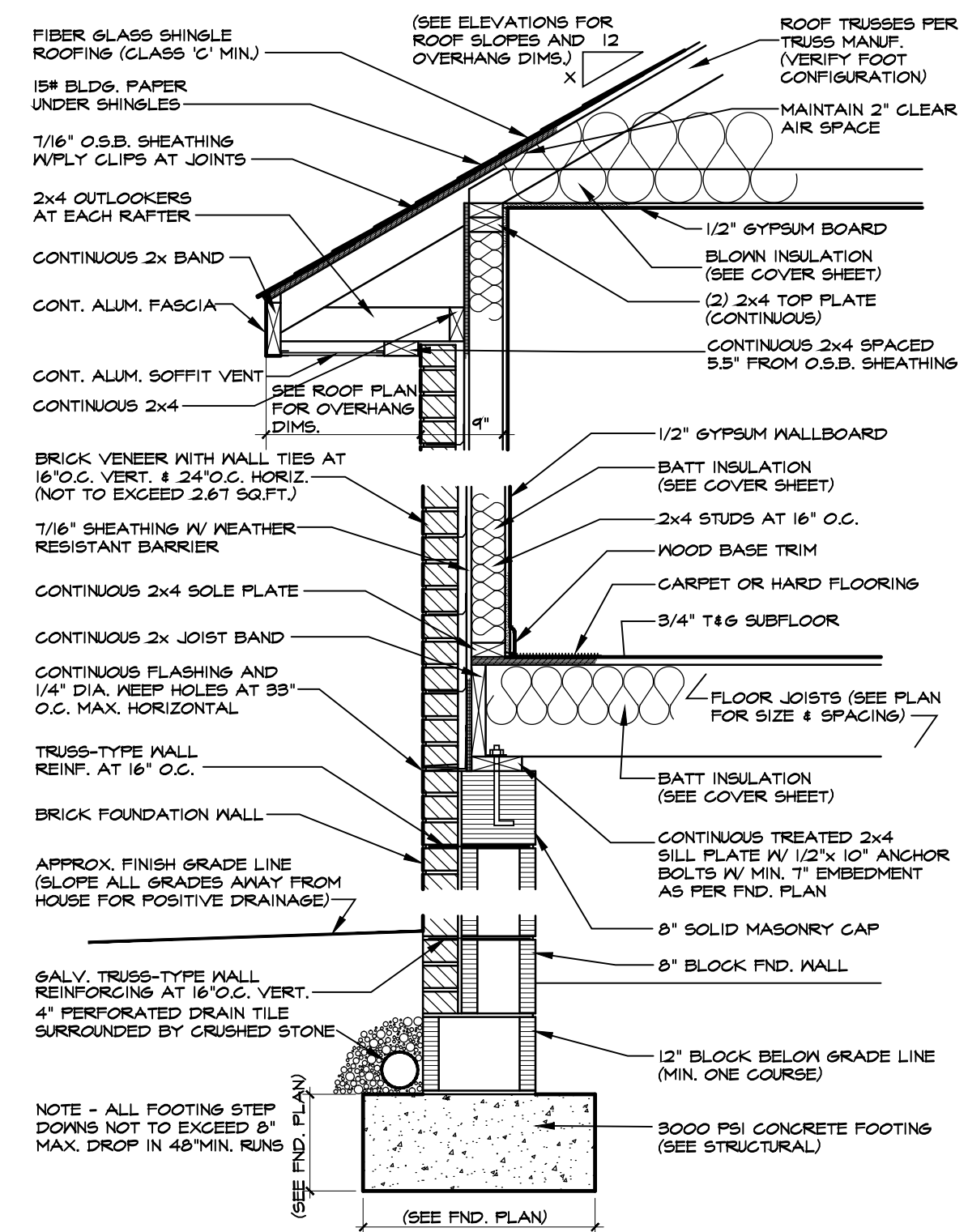
3 ONE-STORY WALL SECTION W/SIDING
SCALE: 3/4"=1'-0"
(PARGED MASONRY FOUNDATION)



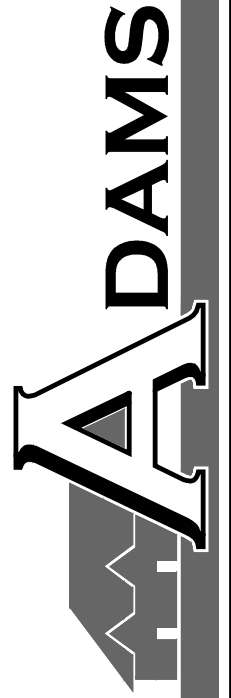
4 ONE-STORY WALL SECTION W/BRICK
SCALE: 3/4"=1'-0"
NOTE - PERIMETER SLAB INSULATION MAY BE DELETED IF CONSTRUCTION IS LOCATED IN CLIMATE ZONE 3.
BRICK & MONO SLAB



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)



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

TYPICAL DETAIL SHEET

DATE DRAWN

REVISIONS

SHEET

D1

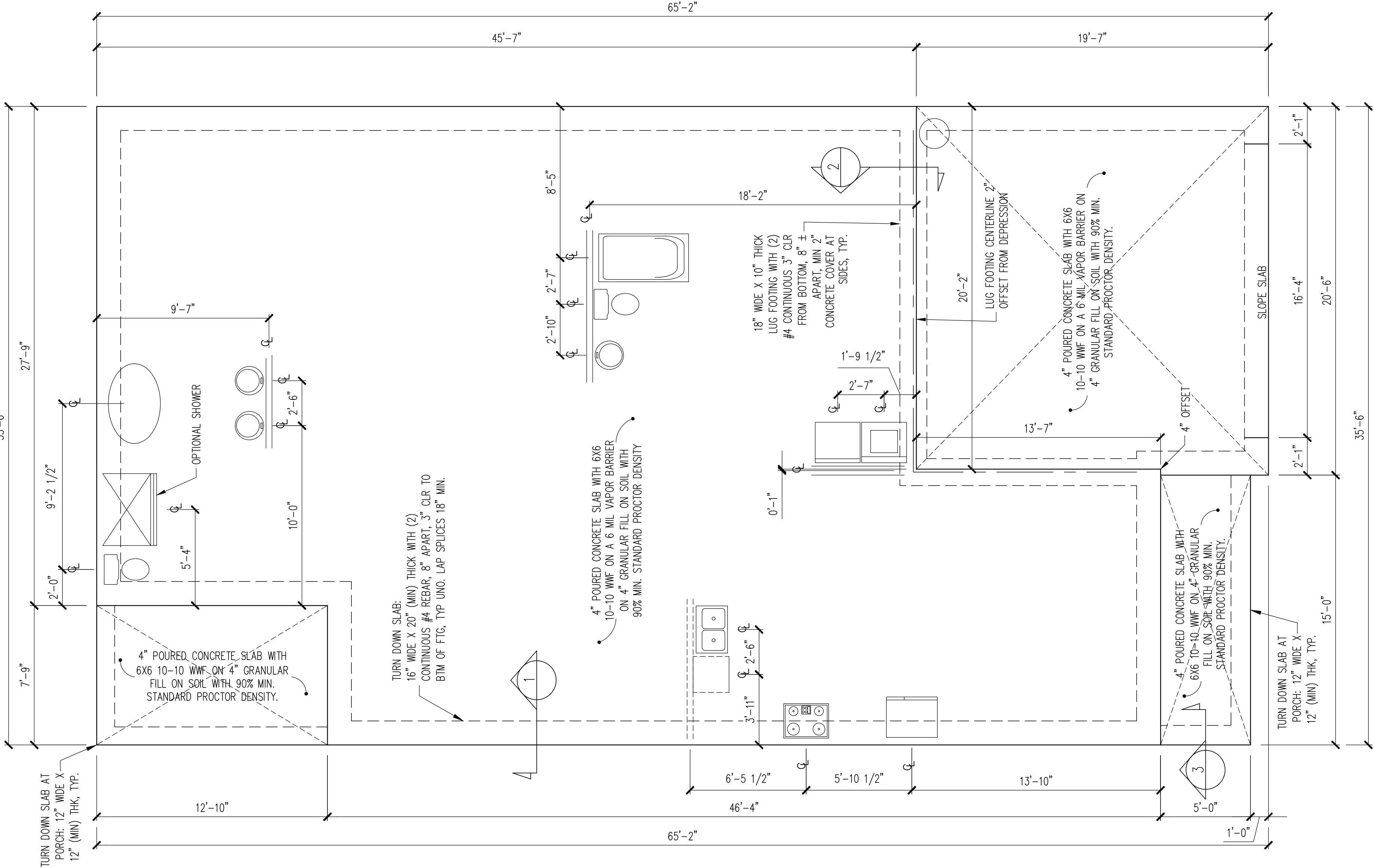
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PLAN DESIGNED UNDER
2018 NORTH CAROLINA
RESIDENTIAL CODE

- 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

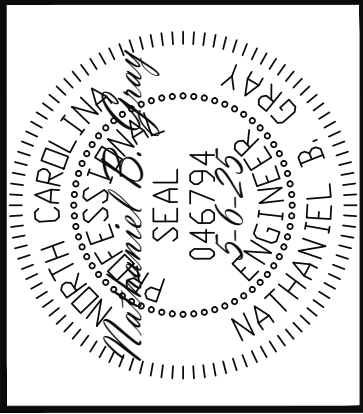
1/4" = 1'-0"



SIDING OPTION

PLAN NO.	
1727	
PROJECT NO.	
25-18-252	
SHEET NO.	
S1	
1	of 6

ADAMS HOMES	
STRUCTURAL ADDENDUM	
SCOPE	ENG: NBC/TSP
LOT #:	6 KIPLING CREEK
REV:	REV:
1727 MASTER	DATE: 5-6-2025



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LINTEL SCHEDULE

WHEN APPLICABLE

- L1 L 3 1/2 X 3 1/2 X 1/4 TYP UNO
- L2 L 5 X 3 1/2 X 5/16
- L3 L 6 X 4 X 5/16 ATTACHED TO HEADER
(2)- 1/2" DIA. X 3" LONG LAG SCREWS
AT 16" O.C.
- L4 16 GAUGE FLEX LINTEL PER BUILDER

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
- (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 = 201' MIN.

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

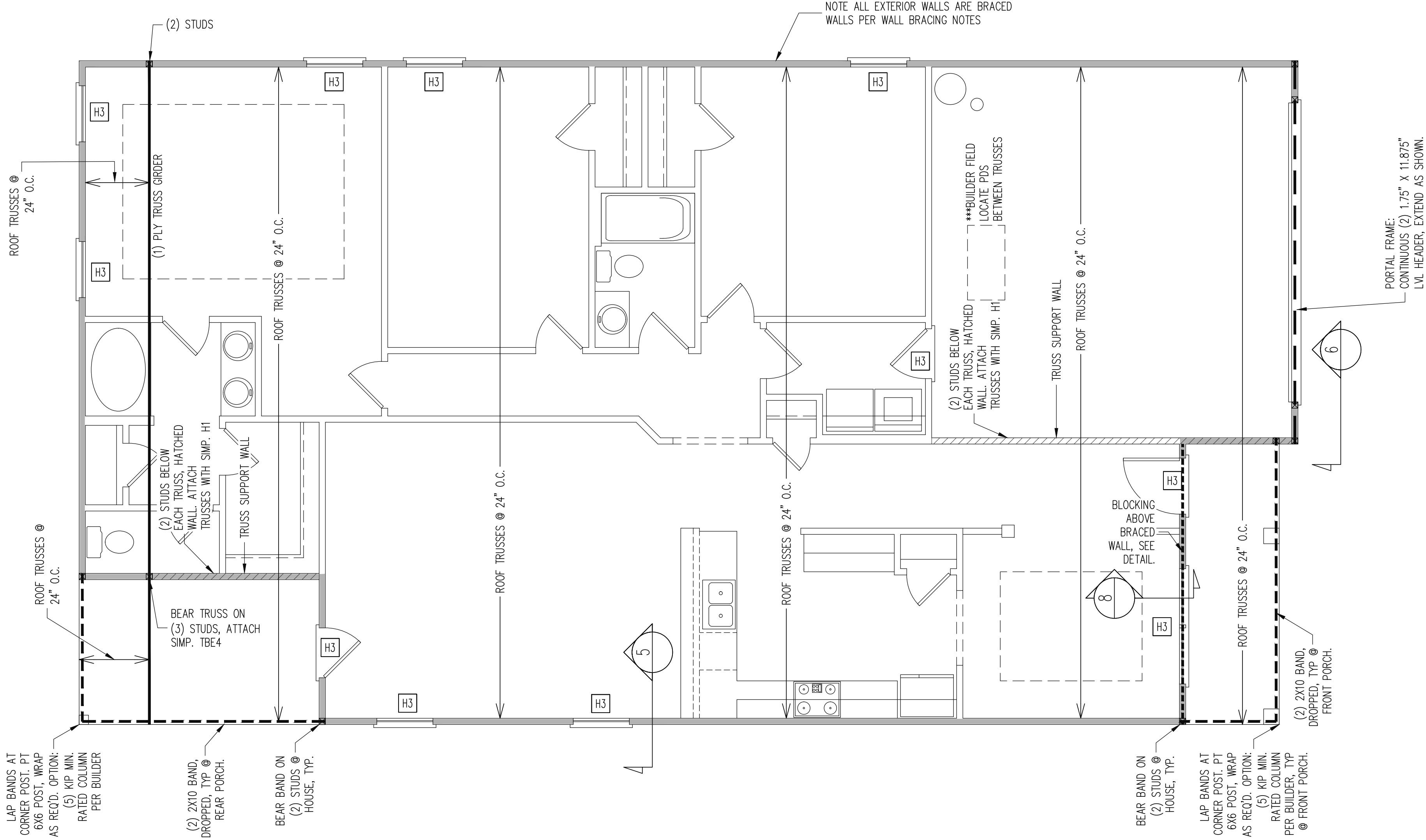
-BRACED WALL PANELS SHALL BE FASTENED IN
ACCORDANCE WITH TABLE 602.3(1) TO PROVIDE
CONTINUOUS PANEL UPLIFT RESISTANCE AND
COMPLIANCE WITH NCRBC R602.3.5 AND R802.11
UNLESS NOTED OTHERWISE ON STRUCTURAL PLANS.

1ST FLOOR FRAMING PLAN

WALLS AND CEILING

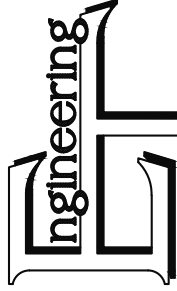
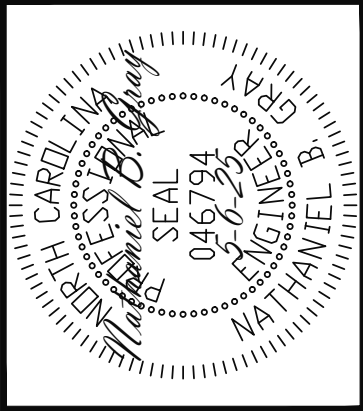
1/4" = 1'-0"

SIDING OPTION
ELEVATION B



SHEET NO.		2 of 6	
PROJECT NO.		25-18-252	
PLAN NO.		1727	

ADAMS HOMES			
STRUCTURAL ADDENDUM			
SCOPE			
LOT #:	6 KIPLING CREEK	ENG:	NBC/TSP
		REV:	
1727 MASTER		DATE	5-6-2025



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ASSOCIATES, P.A.

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TRUSS UPLIFT CONNECTORS

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.

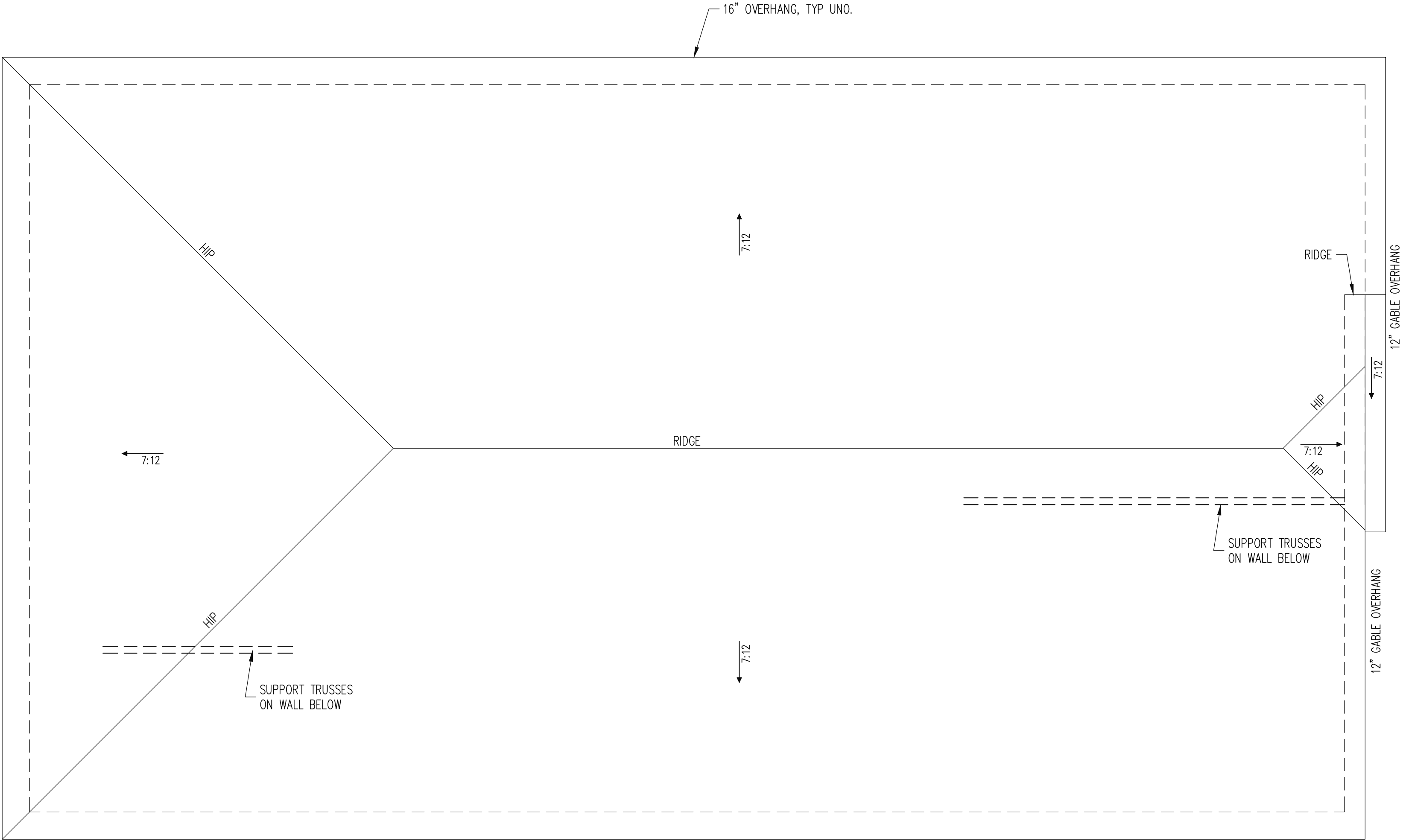
ROOF SPAN UP TO 18'	CONNECTOR NAILING PER TABLE 602.3(1) NCRBC 2018 EDITION
OVER 18'	(1) SIMPSON H2.5A HURRICANE CLIP TO DBL TOP PLATE OR BEAM

FRAMING NOTES

ROOF ONLY
-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

ROOF FRAMING PLAN

1/4" = 1'-0"



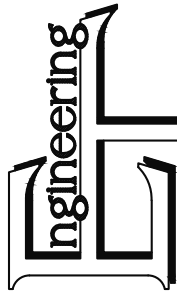
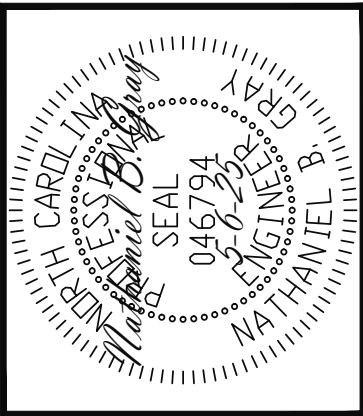
SIDING OPTION
ELEVATION B

ADAMS HOMES			
SCOPE	STRUCTURAL ADDENDUM		
LOT #:	6 KIPLING CREEK	ENG:	NBC/TSP
		REV:	
	1777 MASTER	DATE	5-6-2025

PLAN NO.
1727

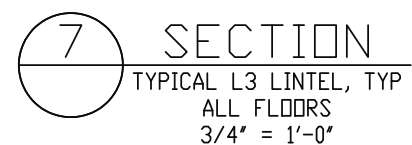
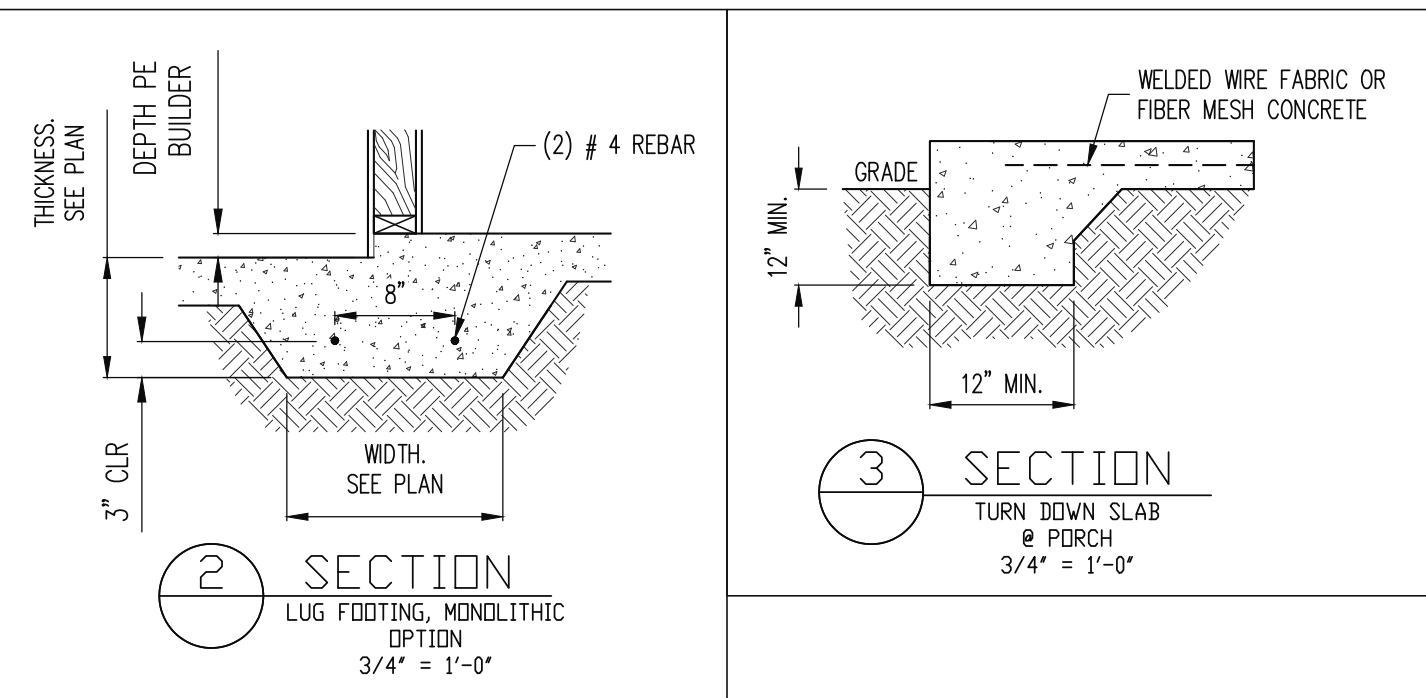
PROJECT NO.
25-18-252

SHEET NO.
S3
3 of 6



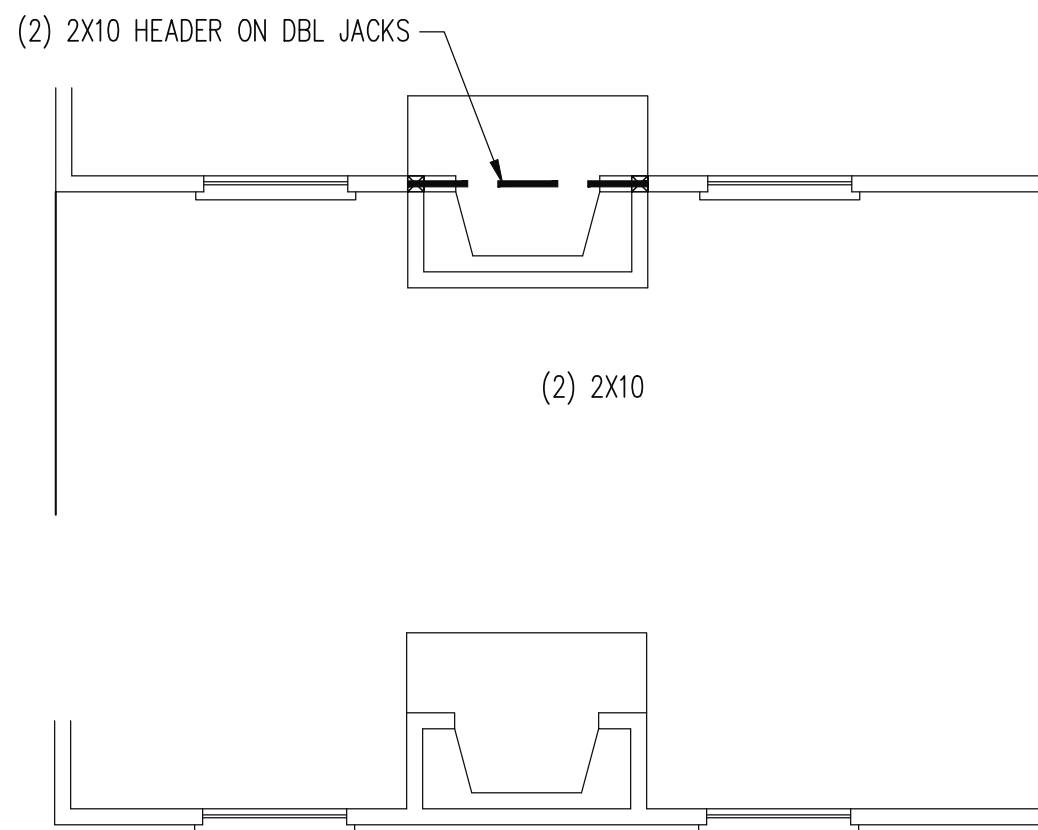
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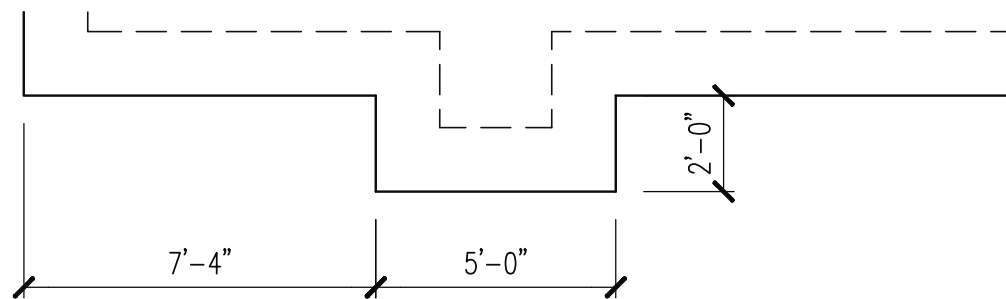


5 of 6

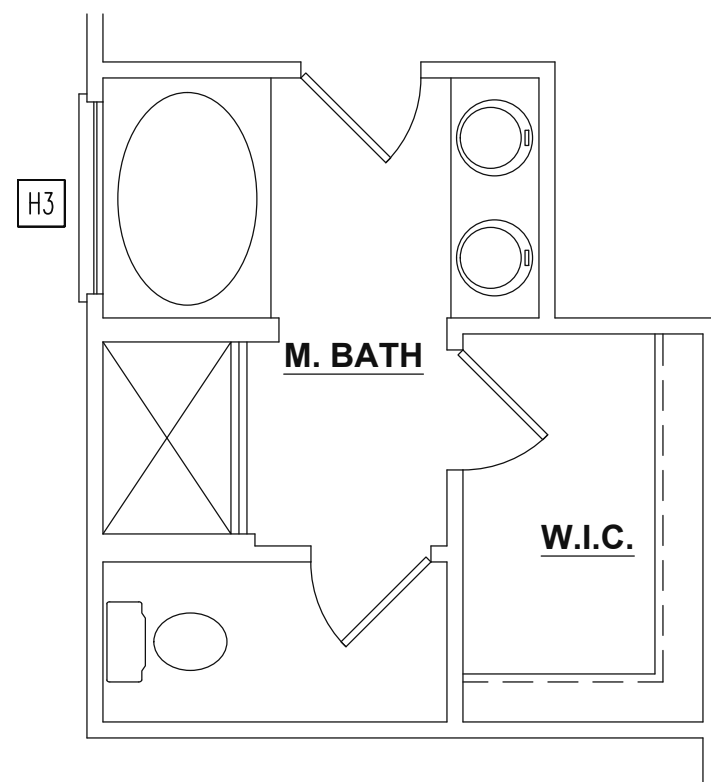
MONOSLAB



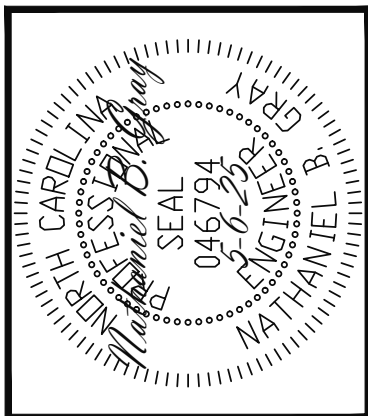
OPTIONAL FIREPLACE



OPTIONAL FIREPLACE BUMP OUT



OPTIONAL MASTER BATH



Engineering

Associates, P.A.

STRUCTURAL ENGINEERS
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ADAMS HOMES			
SCOPE	STRUCTURAL ADDENDUM		
	LOT #:	6 KIPLING CREEK	ENG: NBC/TSP
			REV:
		1727 MASTER	DATE: 5-6-2025

PLAN NO.
1727

PROJECT NO.
25-18-252

SHEET NO.
S6
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