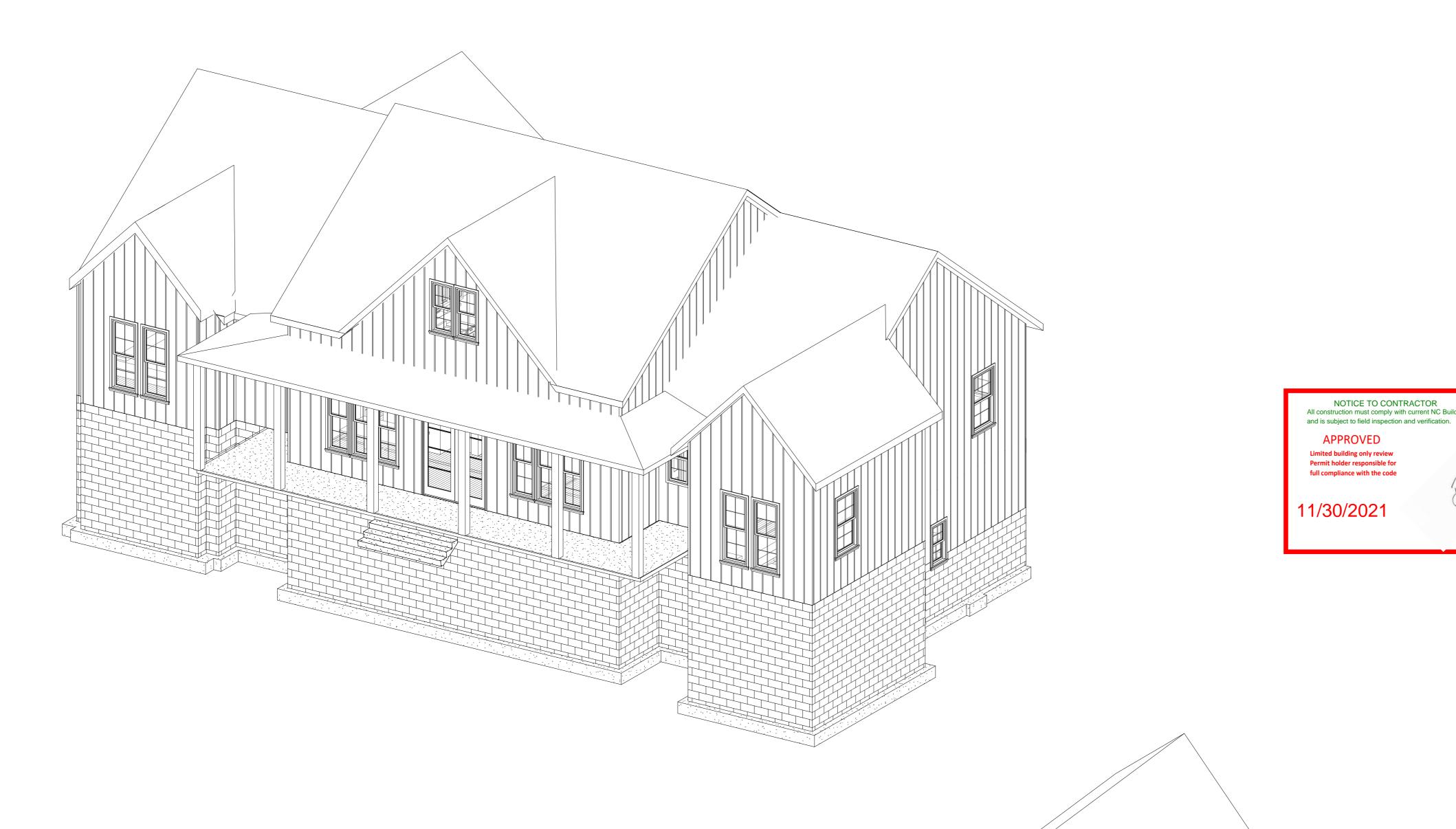
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LOT 4R HOBBY ROAD HOLLY SPRINGS, NC



DRAWING CONTENTS

NORTH CAROLINA

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes

Permit holder responsible for full compliance with the code

SHEET 1 OF 9 COVER
SHEET 2 OF 9 BASEMENT PLAN
SHEET 3 OF 9 LEVEL 1 PLAN
SHEET 4 OF 9 ROOF PLAN
SHEET 5 OF 9 ELEVATIONS
SHEET 7 OF 9 ELEVATIONS

SHEET 7 OF 9 FOUNDATION PLAN/DETAILS SHEET 8 OF 9 LEVEL 1 FRAMING PLAN/DETAILS
SHEET 9 OF 9 ROOF FRAMING PLAN/DETAILS

PERMIT SET
NOT FOR CONSTRUCTION

No.	Description	Date
Α	PERMIT SET	8/20/21
В	CMU BASEMENT REV.	10/25/21
С	ADDENDUM 1	11/15/21

Lot 4r Hobby Rd Isometric View

Project Number	21001
Date	11/15/21
Drawn By	BGL
Checked By	PEL

SHEET 1 OF 9

GENERAL NOTES:

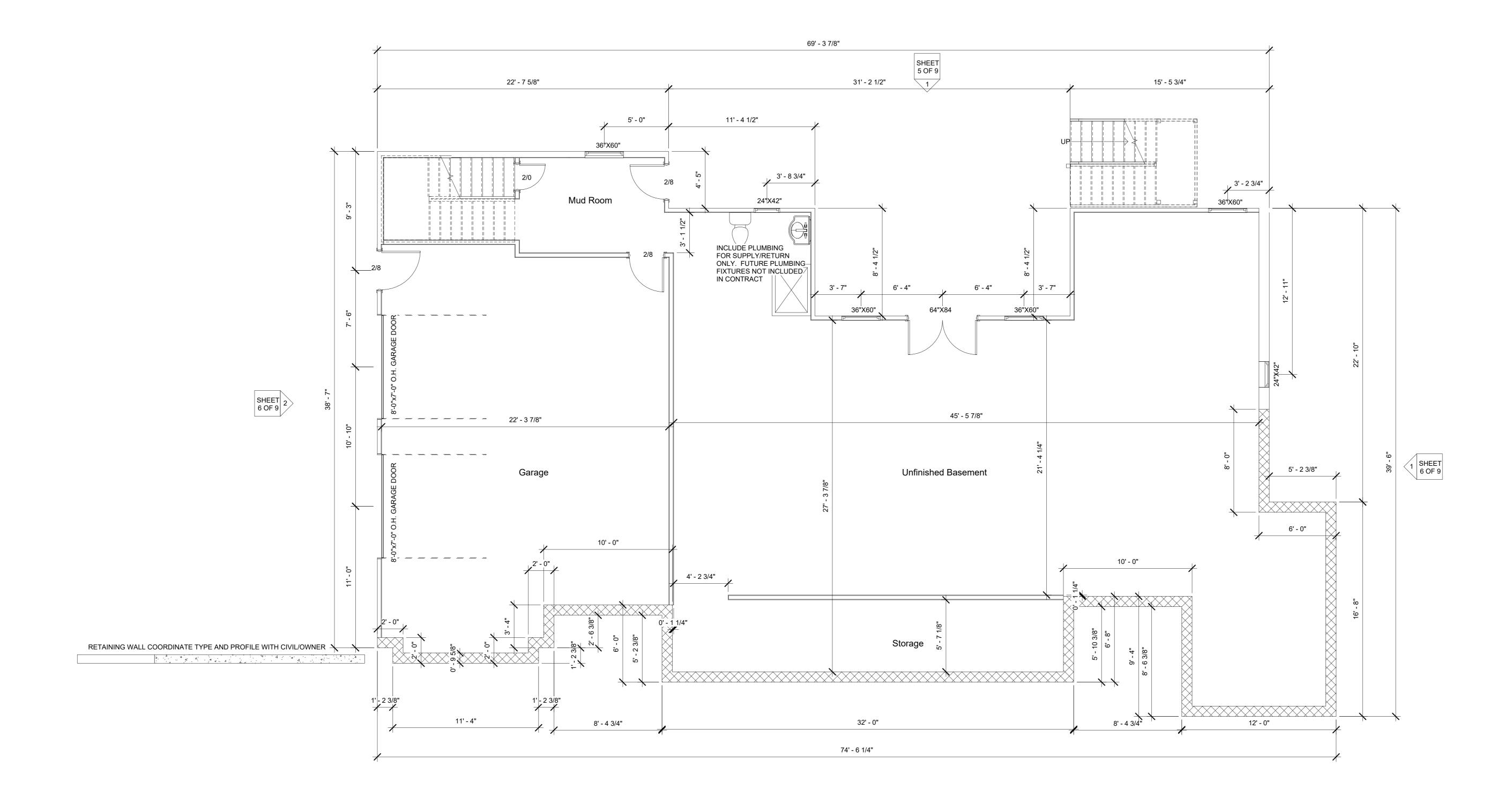
- 1. INTERIOR DIMENSIONS PROVIDED TO FACE OF SHEATHING, UNO
- 2. EXTERIOR DIMENSIONS PROVIDED TO FACE OF FRAMING
 3. INTERIOR WALLS DRAWN AT 4 1/2" TOTAL THICKNESS

 4. EXTERIOR WALLS DRAWN AT 4 1/2" TOTAL THICKNESS
- 4. EXTERIOR WALLS DRAWN AT 4" TOTAL THICKNESS
 5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT

 ALL DIMENSIONS POOF BITCHES, AND SOLVABLE FOOTAGE IS
- ALL DIMENSIONS, ROOF PITCHES, AND SQUARE FOOTAGE IS CORRECT PRIOR TO CONSTRUCTION.
- STUD WALL DESIGN SHALL CONFORM TO ALL 2018 NORTH CAROLINA STATE BUILDING CODE REQUIREMENTS
- 7. DO NOT SCALE PLANS. DRAWING SCALE MAY BE DISTORTED.

 8. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NORTH CAROLINA
- STATE RESIDENTIAL BUILDING CODE, 2018 EDITION

 9 ALL ROUGH OPENINGS FOR WINDOWS AND DOORS SHALL BE VERIFIED AND ADJUSTED FOR THE ACTUAL WINDOW OR DOOR USED.





Basement Floor Plan
Scale: 1/4" = 1'-0"

BASEMENT NOTES:

1. DOORS ARE 80" TALL, UNO

PERMIT SET NOT FOR CONSTRUCTION

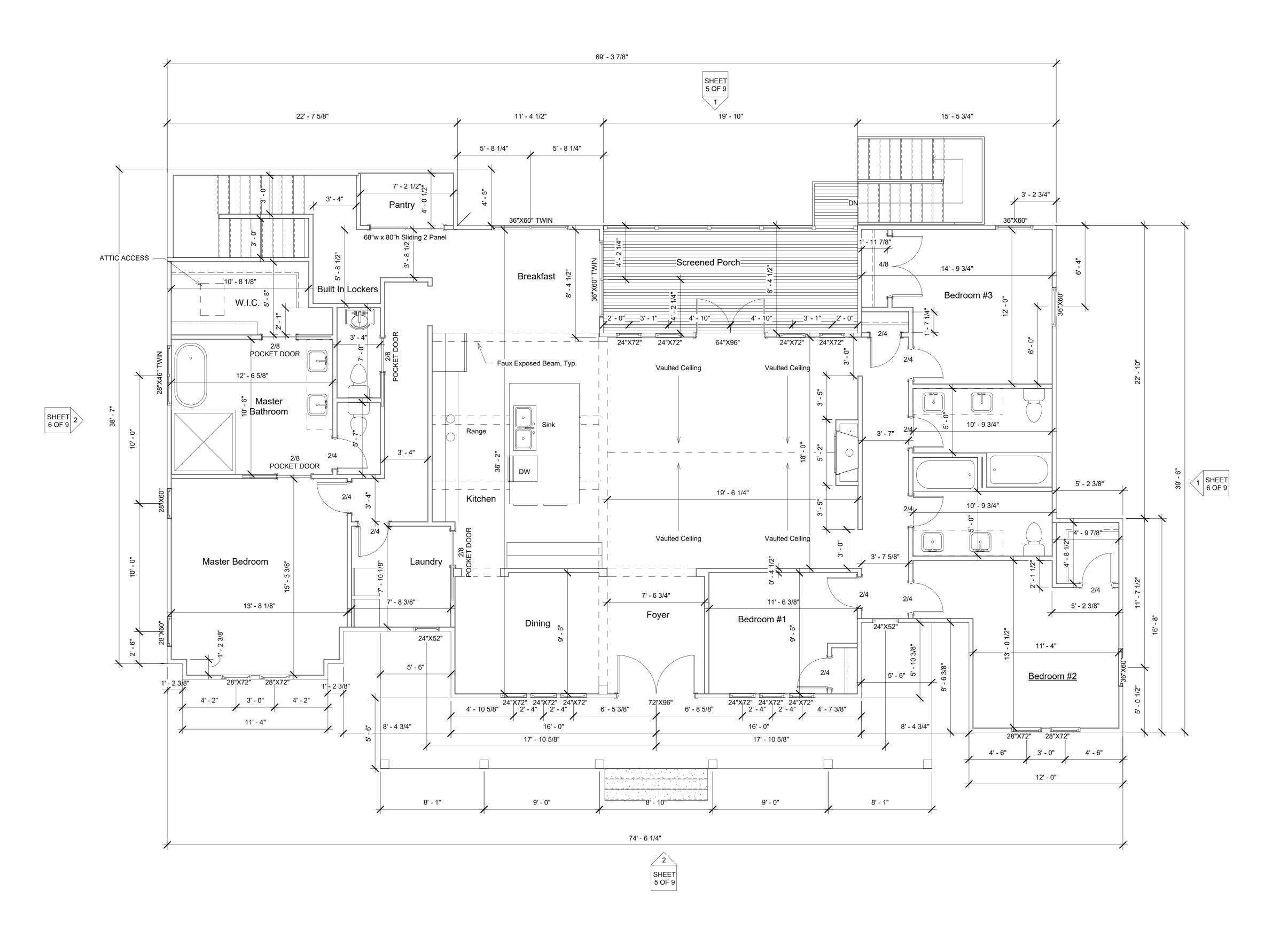
No.	Description	Date
Α	PERMIT SET	8/20/21
В	CMU BASEMENT REV.	10/25/21
С	ADDENDUM 1	11/15/21
		<u>'</u>

Lot 4r Hobby Rd Basement Floor Plan

Project Number	21001
Date	11/15/21
Drawn By	BGL
Checked By	PEL

SHEET 2 OF 9

Scale 1/4" = 1'-0"



Level 1 Floor Plan Scale: 1/4" = 1'-0"

LEVEL 1 NOTES: LEVEL 1 HE

DOORS ARE 96" TALL, UNO
 REF. SHEET 2 FOR GENERAL NOTES

LEVEL 1 HEATED AREA = 2476 SQ. FT

DEDMIT OFT

PERMIT SET
NOT FOR CONSTRUCTION

No. Description

A PERMIT SET 8/20/21

B CMU BASEMENT REV. 10/25/21

C ADDENDUM 1 11/15/21

Lot 4r Hobby Rd
First Floor Plan

 Project Number
 21001

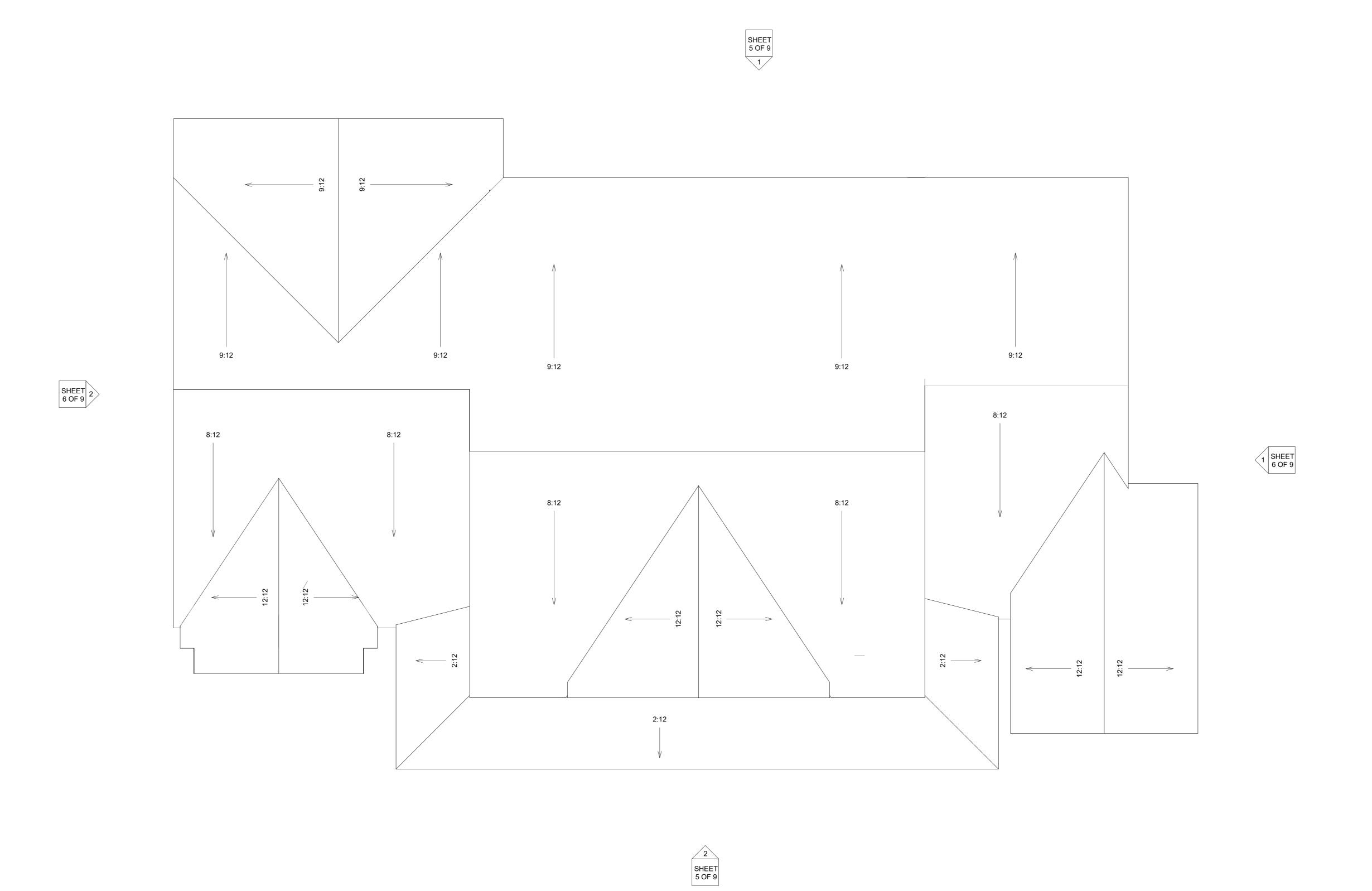
 Date
 11/15/21

 Drawn By
 BGL

 Checked By
 PEL

SHEET 3 OF 9

ATTIC VENTILATION REQUIREMENTS (R806.2): 675 Min. Square Inches at the Soffit 675 Min. Square Inches at or within 3' of the Ridge



Roof Slope Plan
Scale: 1/4" = 1'-0"

PERMIT SET
NOT FOR CONSTRUCTION

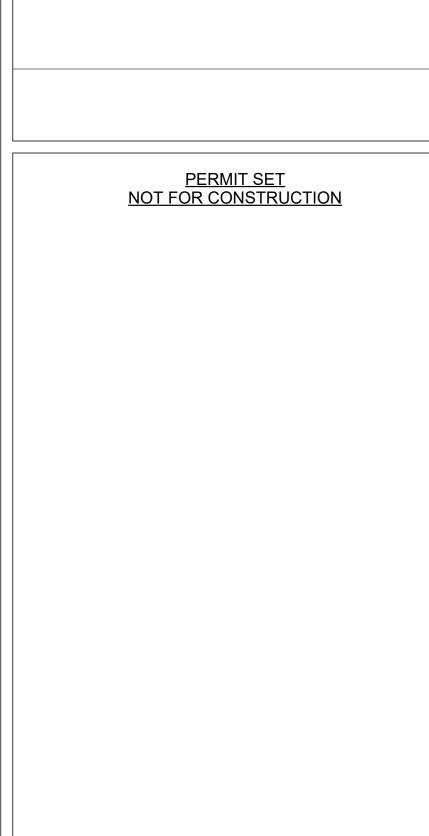
No.	Description	Date
Α	PERMIT SET	8/20/21
В	CMU BASEMENT REV.	10/25/21
С	ADDENDUM 1	11/15/21

Lot 4r Hobby Rd Roof Slope Plan

Project Number	2100
Date	11/15/2
Drawn By	BG
Checked By	PE





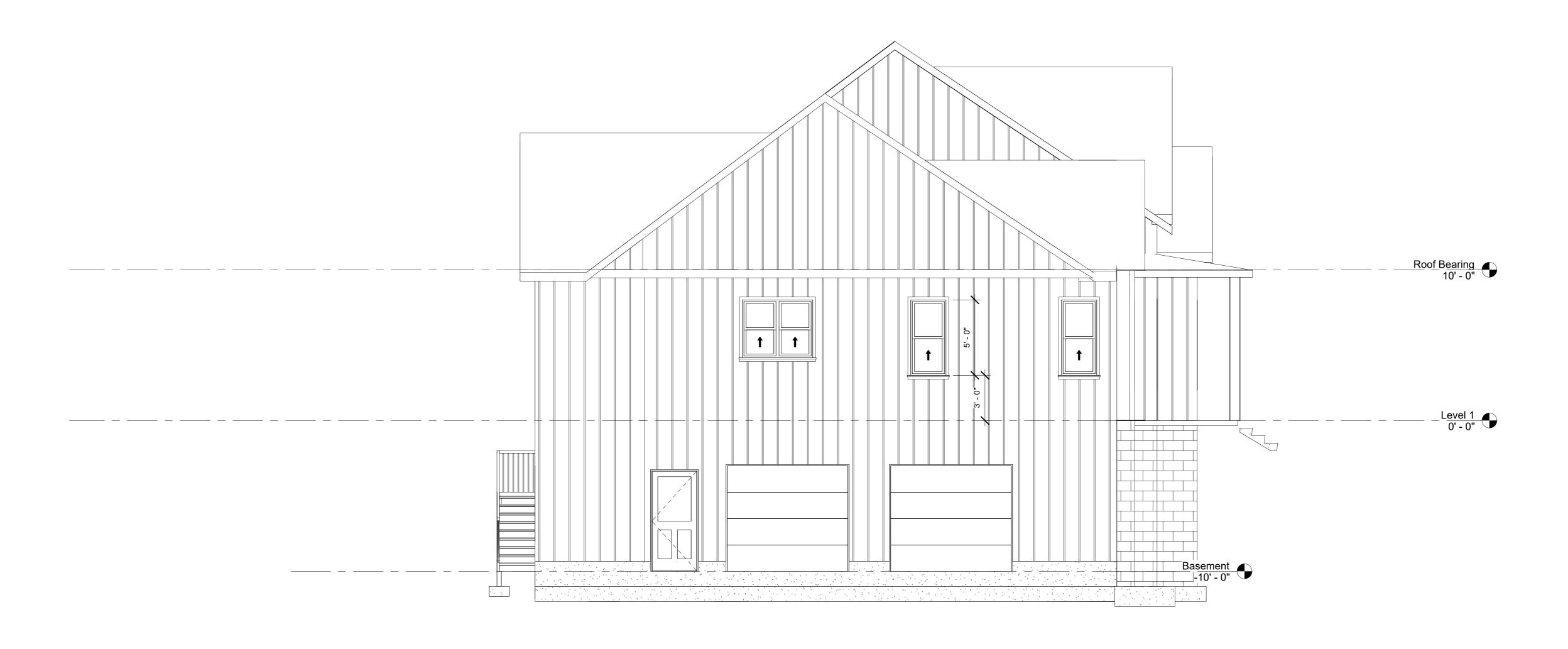


No.	Description	Date
Α	PERMIT SET	8/20/21
В	CMU BASEMENT REV.	10/25/21
С	ADDENDUM 1	11/15/21
	I	

Lot 4r Hobby Rd Elevation 21001 Project Number 11/15/21 BGL PEL Drawn By Checked By

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PERMIT SET
NOT FOR CONSTRUCTION

No.	Description	Date
Α	PERMIT SET	8/20/21
В	CMU BASEMENT REV.	10/25/21
С	ADDENDUM 1	11/15/21

Lot 4r Hobby Rd
Elevation

Project Number	210
Date	11/15/
Drawn By	ВС
Checked By	PI

SHEET 6 OF 9

2 West 1/4" = 1'-0" PASSENGER VEHICLE GARAGES

- 1. ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS, AND HEADERS, COLUMNS, CANTILEVERS,
- OFFSET LOAD BEARING WALLS, PIER & GIRDER SYSTEM AND FOOTING.

 2. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA STATE RESIDENTIAL CODE-2018 EDITION, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK; NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT
- DOCUMENTS.

 3. DESIGN LOADS LIVE LOAD DEAD LOAD LL DEFLECTION ROOMS ON LEVEL 1 40 PSF 10 PSF L/480 ROOF 20 PSF 20 PSF L/360
- WIND LOAD (120 MPH WIND VELOCITY, EXPOSURE B), MEAN ROOF HEIGHT < 30'

 ALL SAFETY REGULATIONS TO BE FOLLOWED STRICTLY. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL IS CONTRACTORS RESPONSIBILITY.

FOUNDATIONS: 1. ALLOWABLE SOIL PRESSURE ASSUMED 2000 PSI MINIMUM TO BE VERIFIED WITH LOCAL AND

STATE JURISDICTIONS.

2. FOOTINGS SHALL BE CARRIED TO LOWER ELEVATIONS THAN THOSE SHOWN ON THE DRAWINGS IF REQUIRED TO REACH FIRM SOIL.

CONCRETE:

- 2. REINFORCING: ASTM A615 STIRRUPS AND TIES GRADE 40-ELSEWHERE GRADE 60, UNO ALL REINFORCEMENT TO BE WELDABLE GRADE WHERE WELDING SHOWN ON DRAWINGS.
- 3. CLEAR DISTANCE FROM FACE OF CONCRETE TO MAIN STEEL:

 CAST IN PLACE CONCRETE:
- SLABS......3/4" FOOTINGS......3"
- SLABS EXPOSED TO EARTH AND WEATHER.......11/2"

 BOTTOM OF FOOTING AND TURNDOWN SLAB TO EXTEND 14" MIN. BELOW GROUND ELEVATION

WOOD.

- 1. ALLOWABLE STRESSES AND GRADES FOR TIMBER FRAMING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE 'NATIONAL DESIGN SPECIFICATION STRESS-GRADE LUMBER AND ITS FASTENINGS' AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
- 2. ALL FRAMING SYP., NO. 2 (Fb = 875 PSI) UNLESS NOTED OTHERWISE (UNO)
 3. ALLOWABLE STRESSES AND GRADES FOR TIMBER FRAMING SHALL BE IN ACCORDANCE WITH
 THE LATEST EDITION OF THE 'NATIONAL DESIGN SPECIFICATION STRESS-GRADE LUMBER AND
 ITS EASTENINGS' AS RECOMMENDED BY THE NATIONAL EXPEST PRODUCTS ASSOCIATION
- ITS FASTENINGS' AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.

 4. FABRICATE AND DESIGN ALL ENGINEERED WOOD LAMINATE VENEER LUMBER IN ACCORDANCE WITH THE LATEST STANDARD UNIVERSAL PRACTICES OF WOOD LVL'S. LAMINATED VENEER LUMBER SHALL HAVE THE FOLLOWING MIN. PROPERTIES. Fb=2600 PSI, Fv=285 PSI,
- E=2,000,000 PSI.

 THE POSITIVE AND NEGATIVE DESIGN PRESSURES REQUIRED FOR ANY ROOF OR WALL CLADDING APPLICATION NOT SPECIFICALLY ADDRESSED IN THE NORTH CAROLINA STATE RESIDENTIAL CODE -2018 EDITION SHALL BE AS FOLLOWS:
 - +10 PSF, -32 PSF 2.25:12 PITCH OR LESS +10 PSF, -36 PSF - 2.25:12 TO 7:12 PITCH +14.2 PSF, -18 PSF - 7:12 TO 12:12 PITCH
- WALLS: + 15.5 PSF, -20 PSF
- 6. ALL WOODEN BEAMS AND HEADERS SHALL HAVE THE FOLLOWING END SUPPORTS: (2) 2X4 STUD COLUMN FOR 5'-0" MAX. BEAM SPAN, (3) STUDS FOR BEAM SPAN GREATER THAN
- 5'-0" (UNO). ALL HEADERS SHALL BE (2) 2X10'S (UNO). REF. R602.7.5 FOR KING STUDS

 7. ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE SHALL BE PRESSURE
- 8. SHEATH ALL EXTERIOR WALLS WITH 7/16" APA RATED WOOD STRUCTURAL PANEL SHEATHING. ATTACH SHEATHING PER NORTH CAROLINA RESIDENTIAL CODE TABLE R602.3 AND SECTION
- R602.10. SHEATH CORNERS IN ACCORDANCE WITH FIGURE R602.10.5.
 9. ENGINEERED TIMBER PRODUCTS AND CONNECTORS TO BE INSTALLED IN COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS.

SLAB ON GRADE:

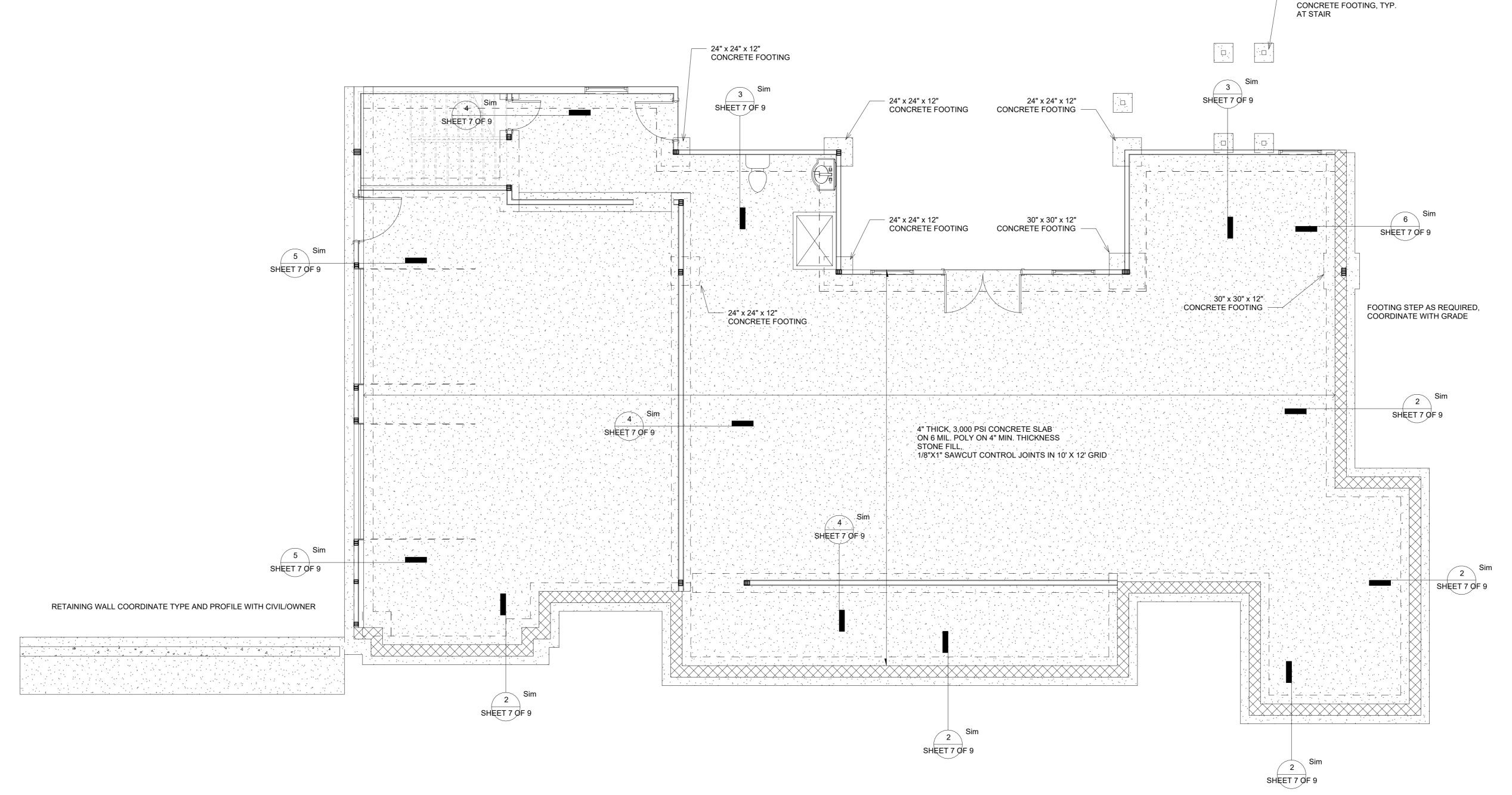
4" THICK, 3000 PSI, AIR ENTRAINED CONCRETE (NOT LESS THAN 5% OR MORE THAN 7% AIR ENTRAINMENT BY VOLUME OF CONCRETE). MAXIMUM SLUMP TO BE 4". CONCRETE TO BE REINFORCED WITH WWF 6X6-W1.4XW1.4 STEEL. CONSTRUCT SLAB ON 6 MIL. VAPOR BARRIER ON A 4" THICK SAND, GRAVEL, OR CRUSHED STONE BASE. PROVIDE CONTROL JOINTS (A MINIMUM OF 1/4 THE DEPTH OF THE SLAB) AS SOON AS POSSIBLE AFTER CONCRETE PLACEMENT AND BEFORE RANDOM CRACKS CAN OCCUR. CONTROL JOINTS TO BE PLACED AS SHOWN ON FOUNDATION PLAN BUT NO MORE THAN 10' ON CENTER IN BOTH DIRECTIONS.

STRUCTURAL STEEL:

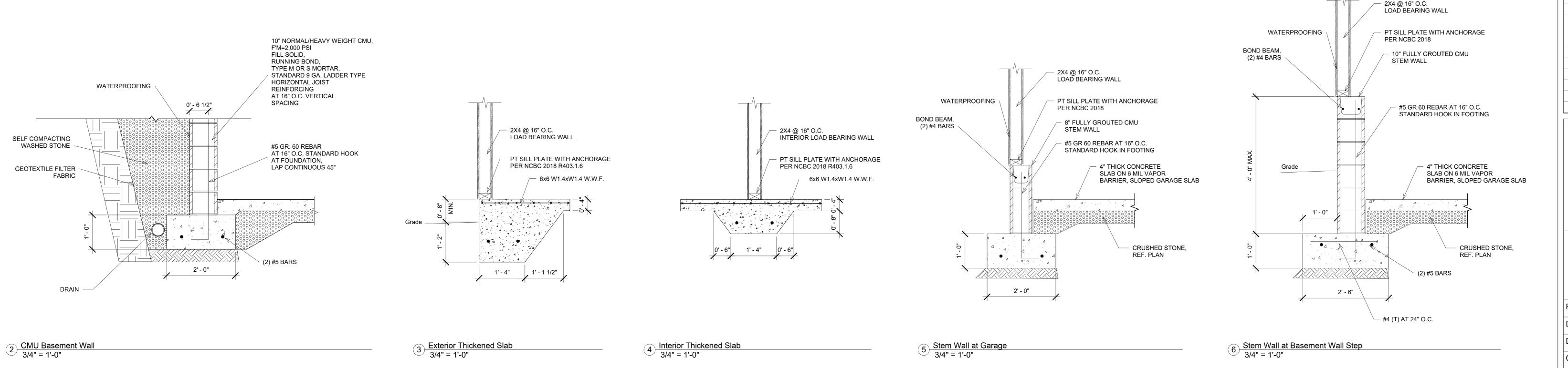
1. STRUCTURAL STEEL ASTM A-992.

DESIGN, FABRICATION, AND ERECTION: AISC SPECIFICATIONS FOR BUILDINGS.
 STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3
 1/2" AND FULL FLANGE WIDTH. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION.

 BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (1/2" DIAMETER X 4"



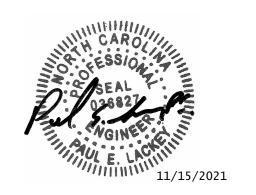
Foundation Plan
Scale: 1/4" = 1'-0"





— 16" x 16" x 8"

PERMIT SET
NOT FOR CONSTRUCTION



No.	Description	Date
Α	PERMIT SET	8/20/21
В	CMU BASEMENT REV.	10/25/21
С	ADDENDUM 1	11/15/21

Lot 4r Hobby Rd
Foundation Plan

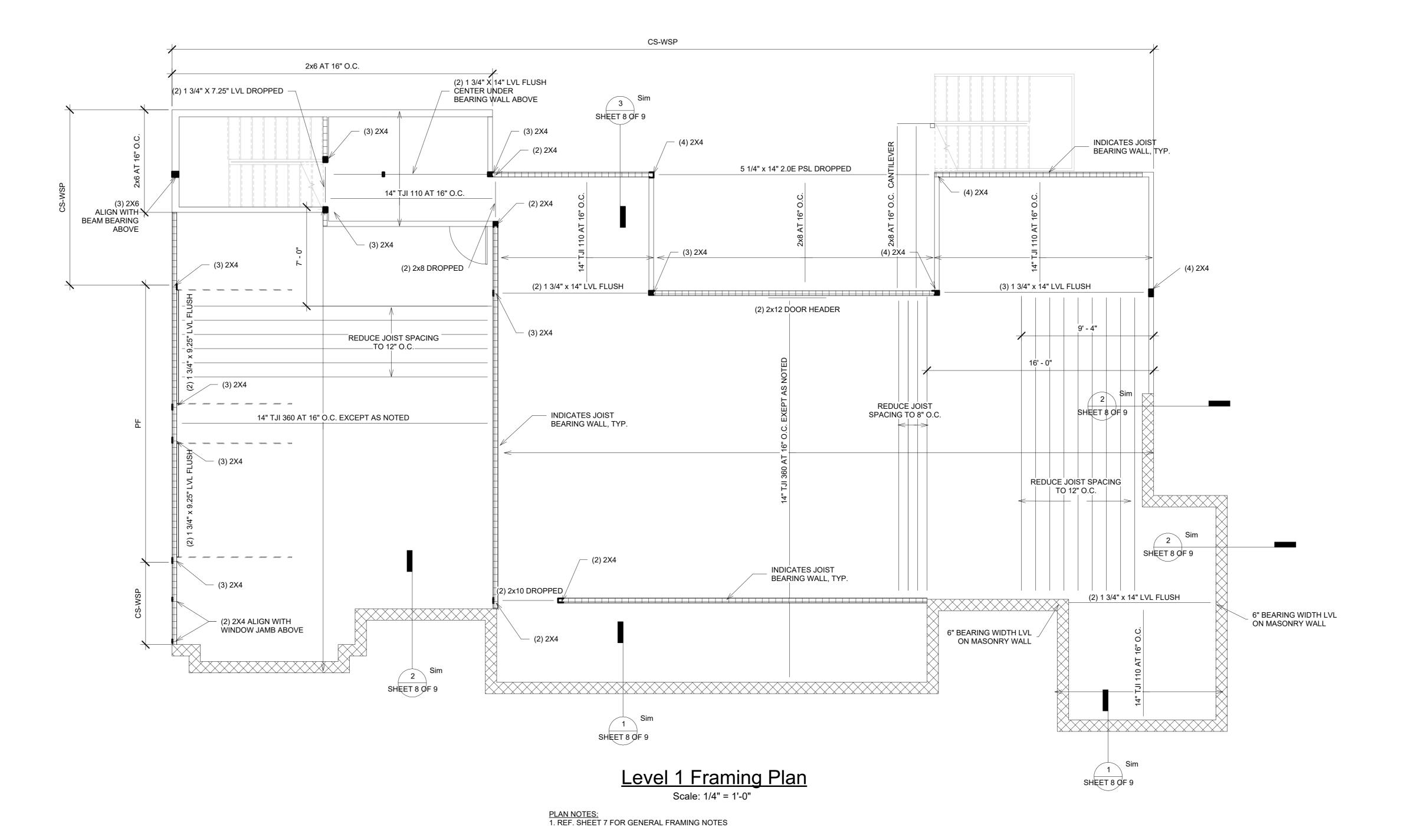
Project Number	21001	
Date	11/15/21	
Drawn By	BGL	
Checked By	PEL	
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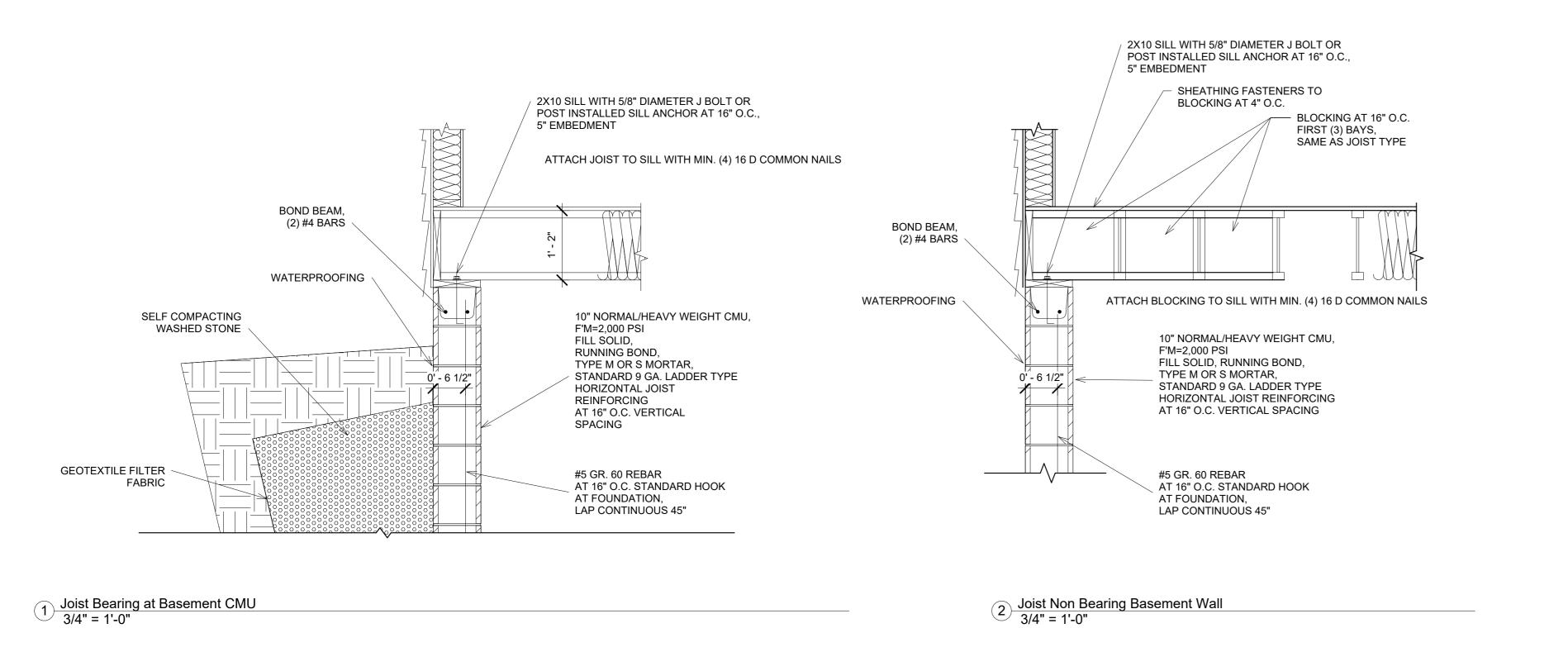
SHEET 7 OF 9

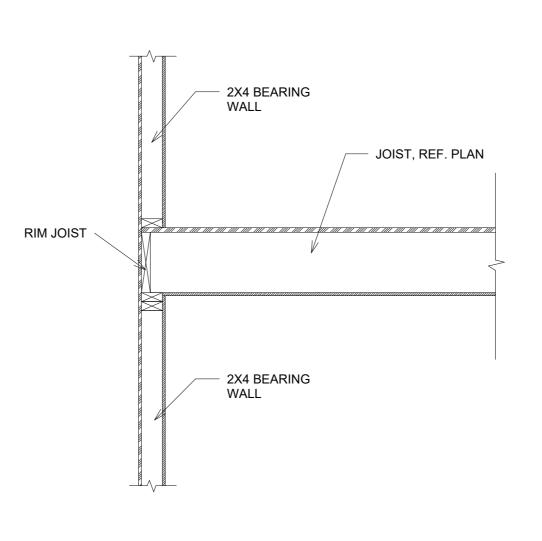
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BRACING NOTES

- 1. BRACED WALL CONSTRUCTION IN ACCORDANCE WITH SECTION R602.10 OF
- THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE
 2. CS-WSP INDICATES CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL,
- REF. TABLE R602.10.1 NCRBC
 3. PF INDICATES PORTAL FRAME, REF. TABLE R602.10.1 NCRBC







3 Joist at Wall Bearing
3/4" = 1'-0"



PERMIT SET
NOT FOR CONSTRUCTION



No.	Description	Date
Α	PERMIT SET	8/20/21
В	CMU BASEMENT REV.	10/25/21
С	ADDENDUM 1	11/15/21

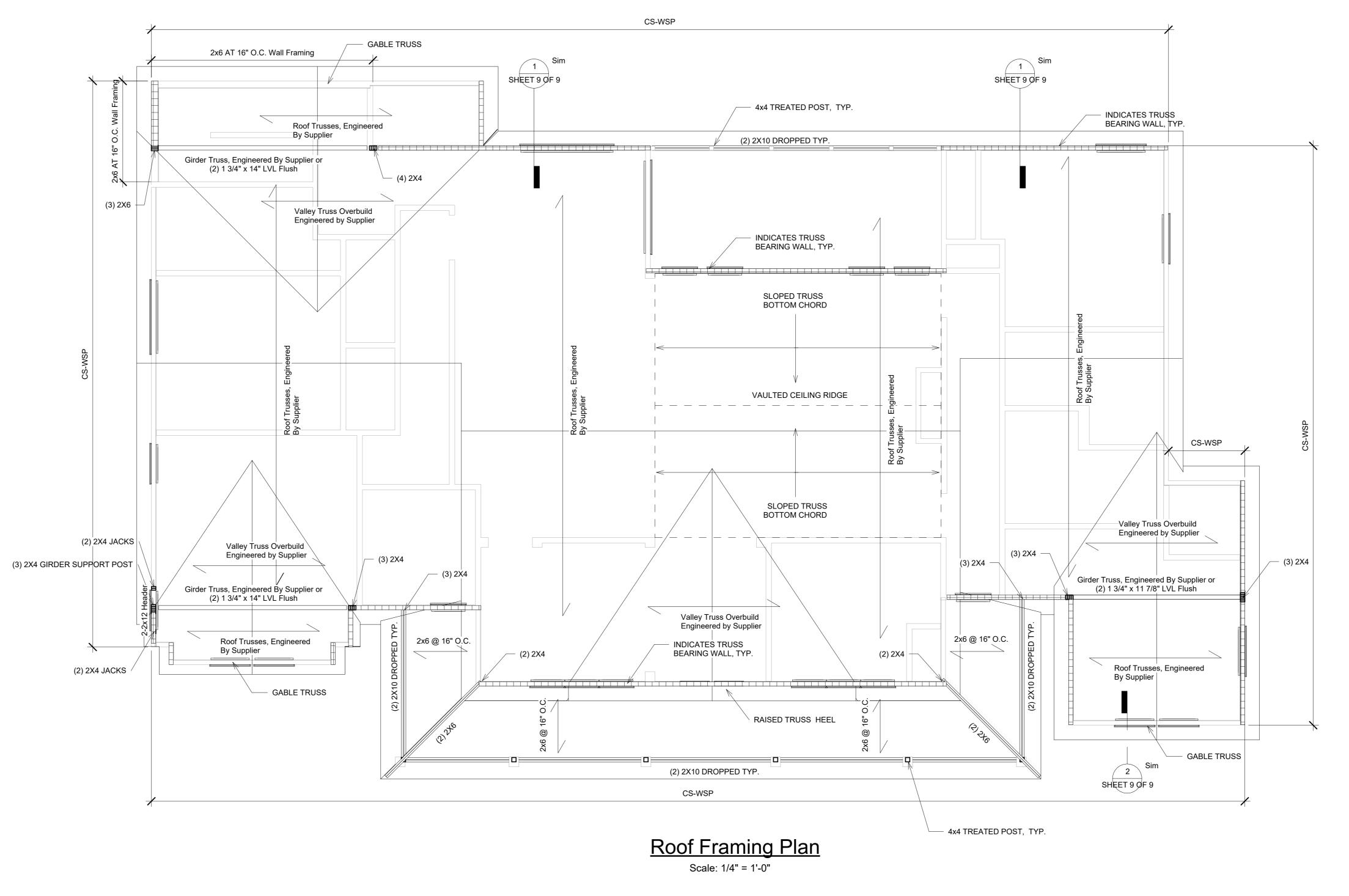
Lot 4r Hobby Rd
Level 1 Framing
Plan

Project Number	21001
Date	11/15/21
Drawn By	BGL
Checked By	PEL

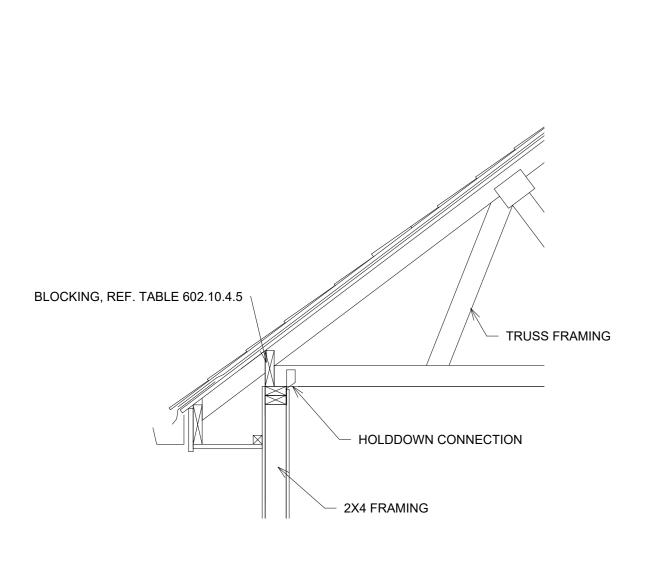
SHEET 8 OF 9

BRACING NOTES

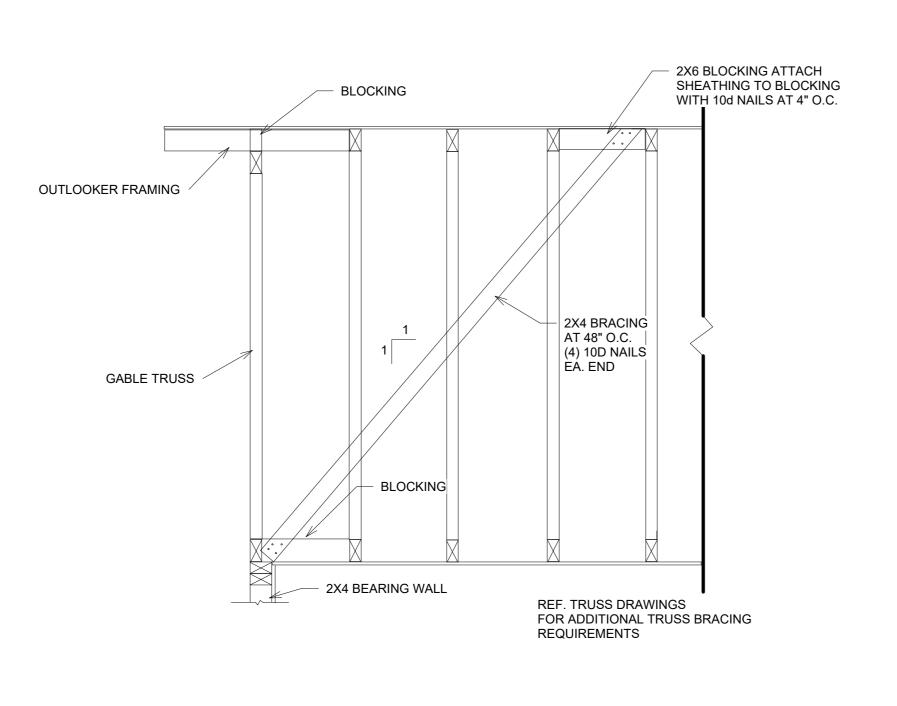
- 1. BRACED WALL CONSTRUCTION IN ACCORDANCE WITH SECTION R602.10 OF
- THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE
 2. CS-WSP INDICATES CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL,
- REF. TABLE R602.10.1 NCRBC
- 3. PF INDICATES PORTAL FRAME, REF. TABLE R602.10.1 NCRBC



<u>PLAN NOTES:</u>
1. REF. SHEET 7 FOR GENERAL FRAMING NOTES

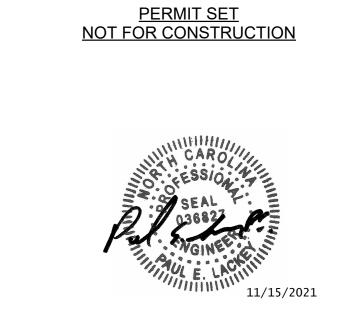






Gable Wall Bracing





No.	Description	Date
А	PERMIT SET	8/20/21
В	CMU BASEMENT REV.	10/25/21
С	ADDENDUM 1	11/15/21

Lot 4r Hobby Rd Roof Framing Plan

Project Number	21001
Date	11/15/21
Drawn By	BGL
Checked By	PEL

SHEET 9 OF 9