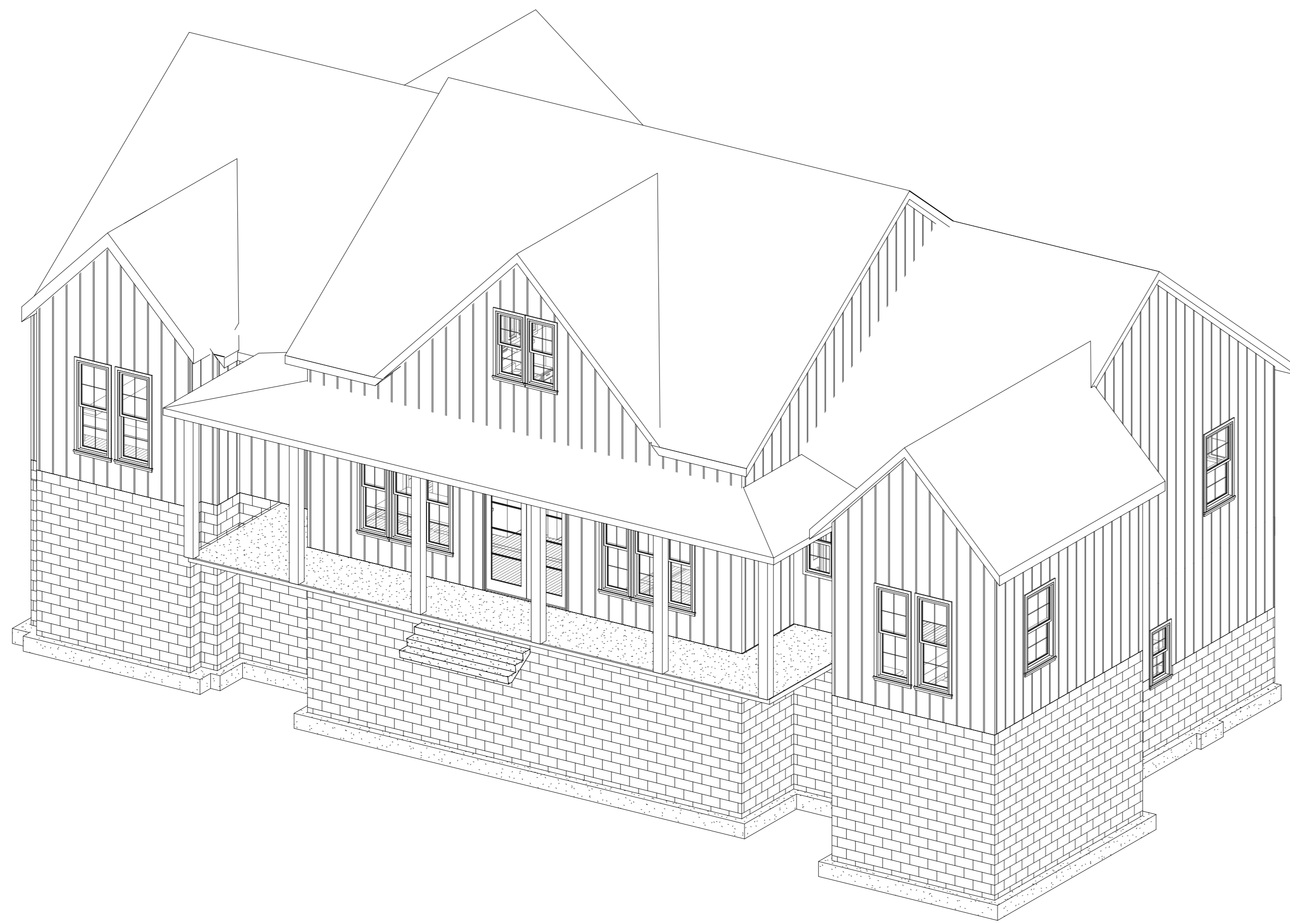
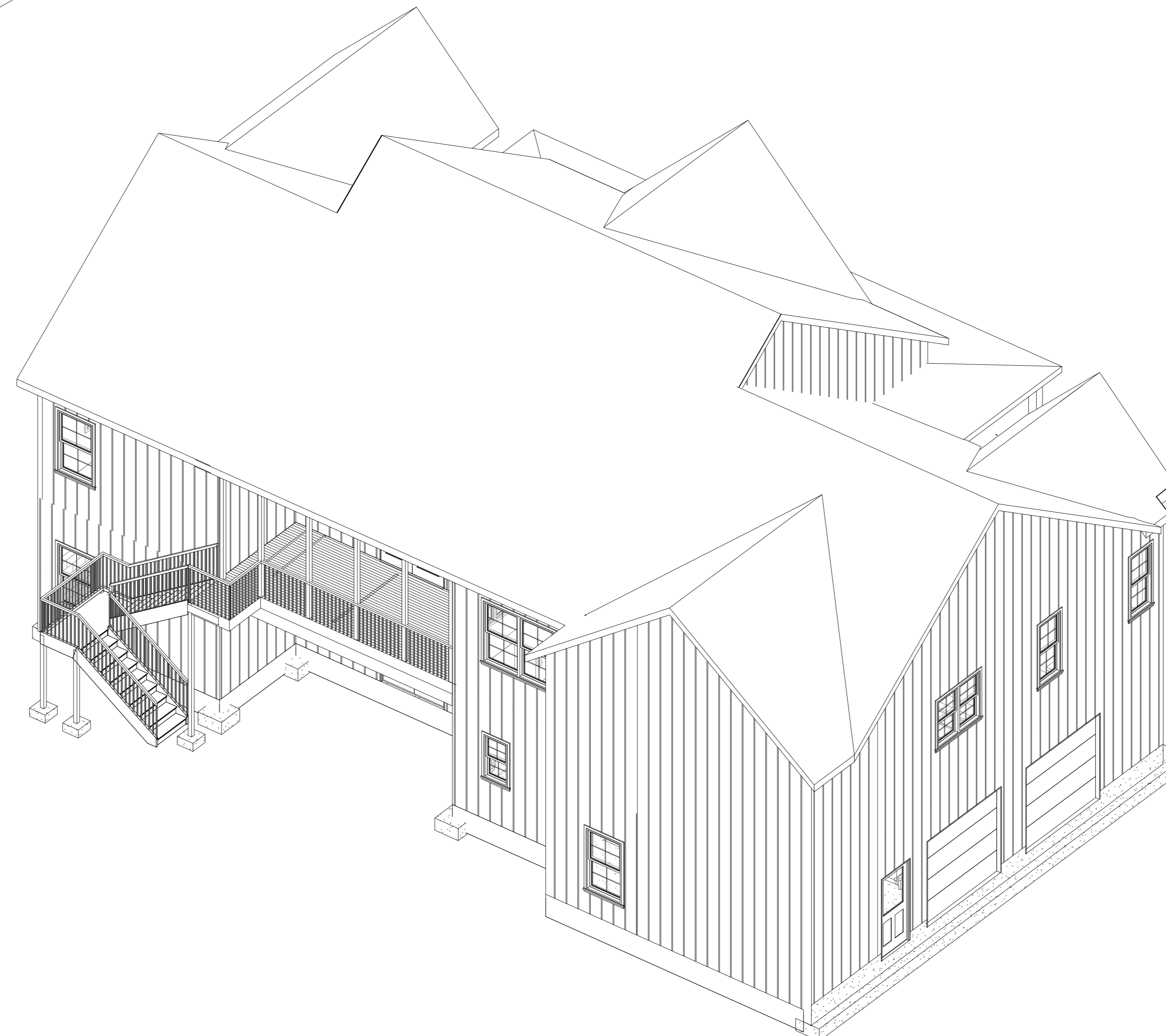


LOT 4R HOBBY ROAD **HOLLY SPRINGS, NC**



DRAWING CONTENTS

- 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 6 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
A	PERMIT SET	8/20/21
B	CMU BASEMENT REV.	10/25/21
C	ADDENDUM 1	11/15/21

No.	Description	Date

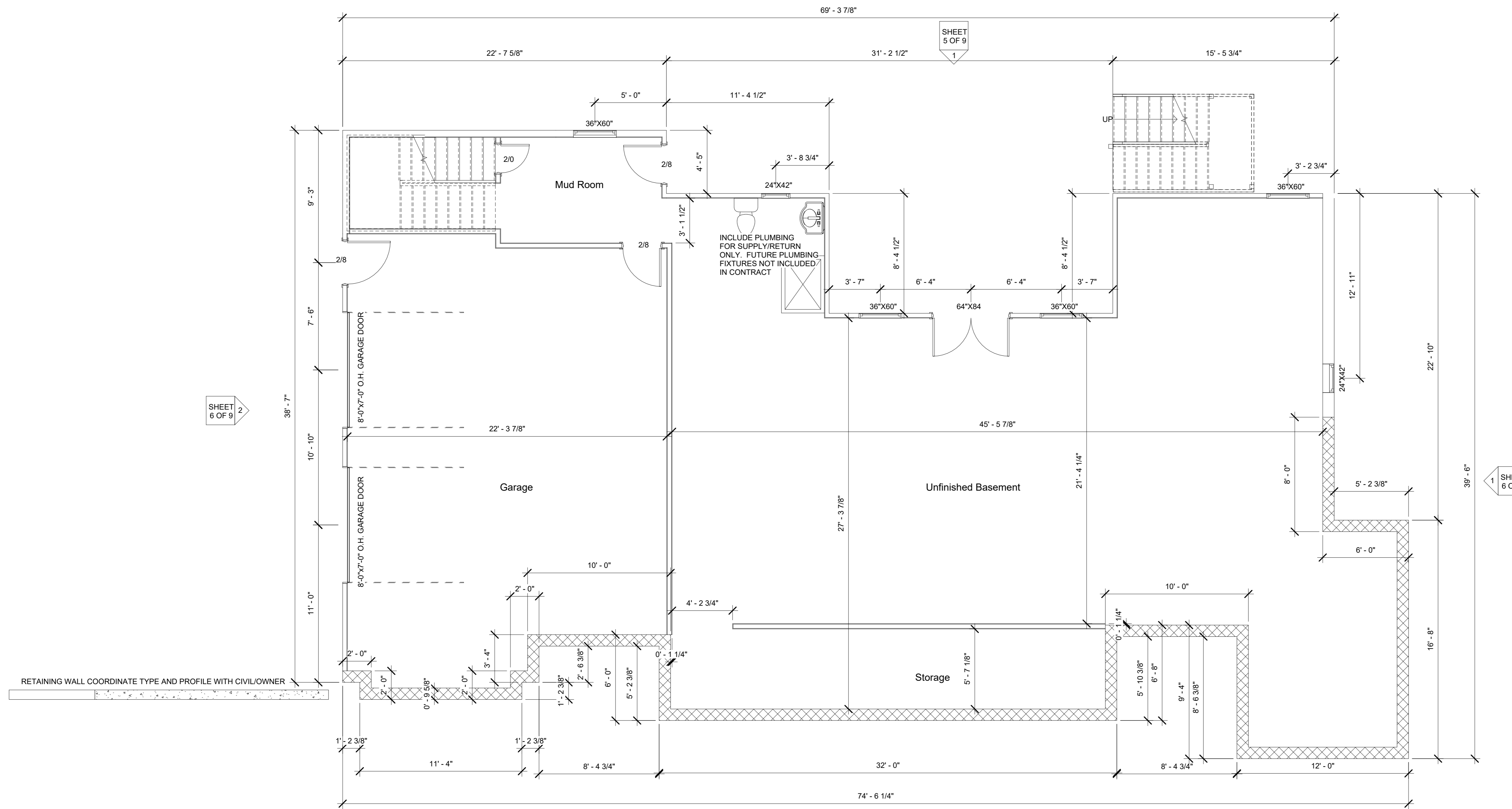
Lot 4r Hobby Rd
Isometric View

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

SHEET 1 OF 9
Scale

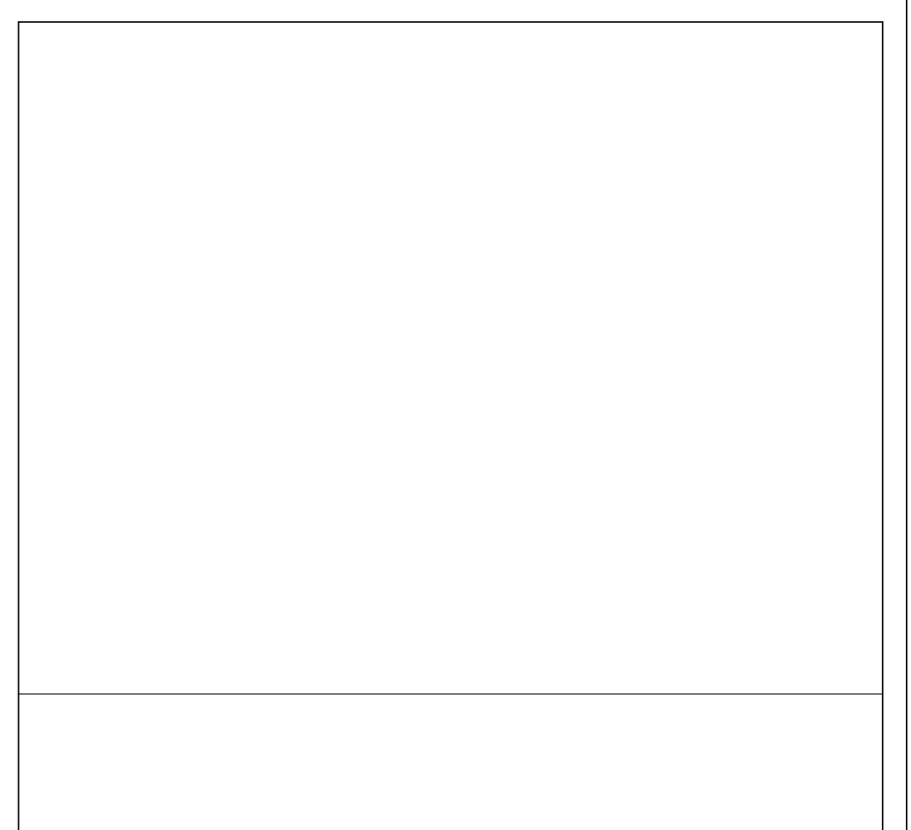
GENERAL NOTES:

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" TOTAL THICKNESS
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT ALL DIMENSIONS, ROOF PITCHES, AND SQUARE FOOTAGE IS CORRECT PRIOR TO CONSTRUCTION.
6. 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.



2
SHEET
5 OF 9
Basement Floor Plan
 Scale: 1/4" = 1'-0"

- BASEMENT NOTES:**
1. DOORS ARE 80" TALL, UNO



**PERMIT SET
NOT FOR CONSTRUCTION**

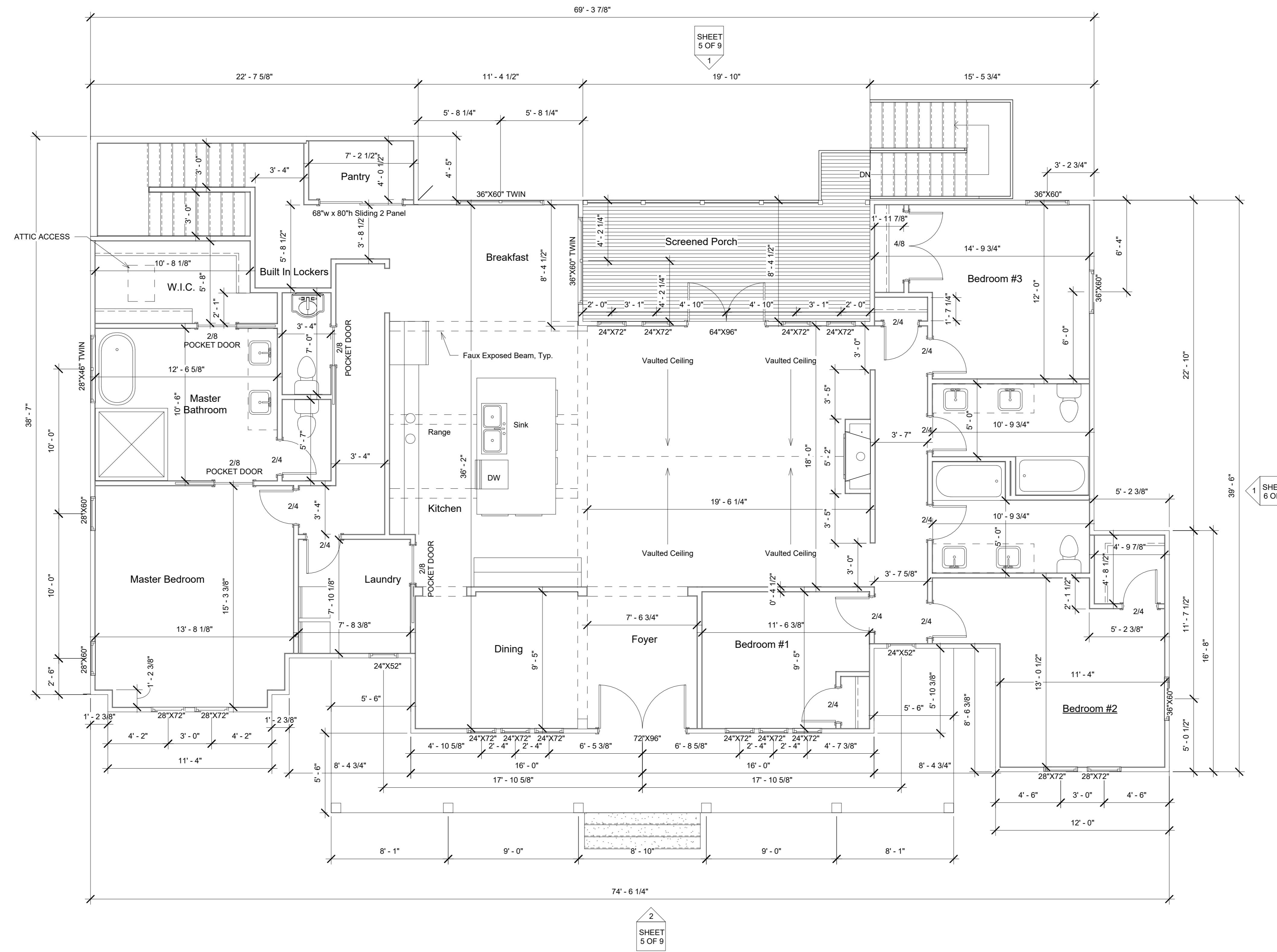
No.	Description	Date
A	PERMIT SET	8/20/21
B	CMU BASEMENT REV.	10/25/21
C	ADDENDUM 1	11/15/21

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

LEVEL 1 HEATED AREA = 2476 SQ. FT

**PERMIT SET
NOT FOR CONSTRUCTION**

No.	Description	Date
A	PERMIT SET	8/20/21
B	CMU BASEMENT REV.	10/25/21
C	ADDENDUM 1	11/15/21

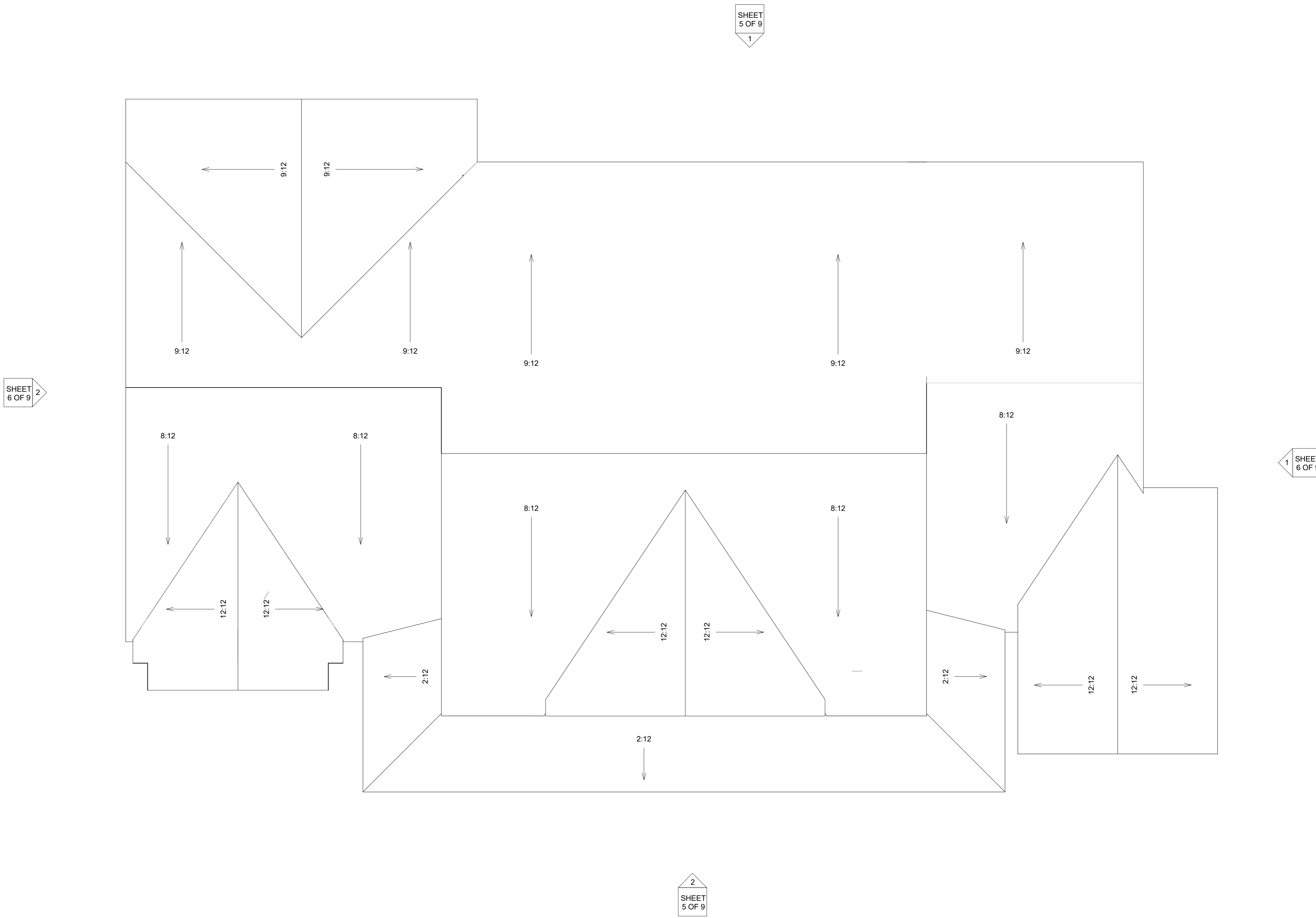
**Lot 4r Hobby Rd
First Floor Plan**

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

SHEET 3 OF 9
Scale: 1/4" = 1'-0"

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
A	PERMIT SET	8/20/21
B	CMU BASEMENT REV.	10/25/21
C	ADDENDUM 1	11/15/21

**Lot 4r Hobby Rd
Roof Slope Plan**

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

SHEET 4 OF 9
Scale: 1/4" = 1'-0"



1 North
1/4" = 1'-0"



2 South
1/4" = 1'-0"

PERMIT SET
NOT FOR CONSTRUCTION

No.	Description	Date
A	PERMIT SET	8/20/21
B	CMU BASEMENT REV.	10/25/21
C	ADDENDUM 1	11/15/21

Lot 4r Hobby Rd
Elevation

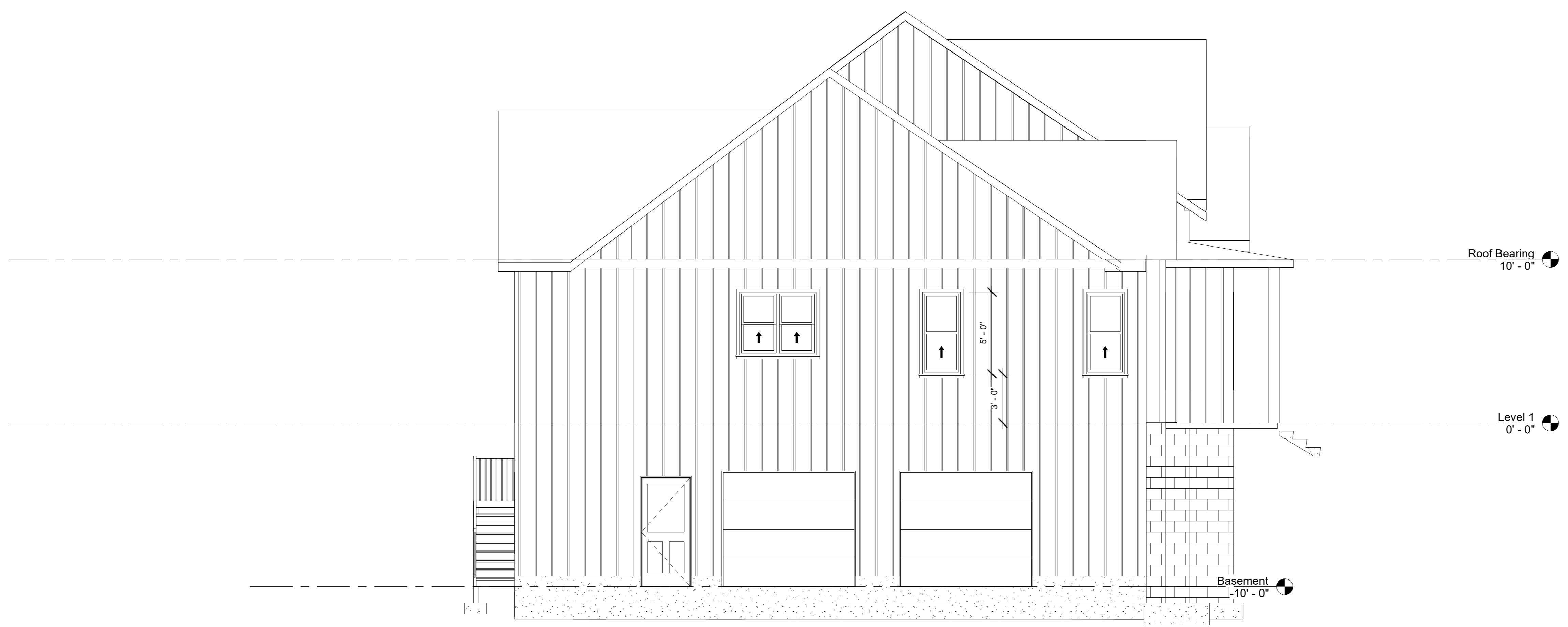
Project Number 21001
Date 11/15/21
Drawn By BGL
Checked By PEL

SHEET 5 OF 9

Scale 1/4" = 1'-0"



① East
1/4" = 1'-0"



② West
1/4" = 1'-0"

PERMIT SET
NOT FOR CONSTRUCTION

No.	Description	Date
A	PERMIT SET	8/20/21
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C	ADDENDUM 1	11/15/21

Lot 4r Hobby Rd Elevation

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

SHEET 6 OF 9

Scale	1/4" = 1'-0"
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GENERAL STRUCTURAL NOTES:

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIP, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS, AND HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIER & GIRDER SYSTEM AND FOOTING.
 - 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.
- | 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 |
| PASSENGER VEHICLE GARAGES | 50 PSF | 20 PSF | |
| SNOW | 20 PSF | | |
| 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:

- ALLOWABLE SOIL PRESSURE ASSUMED 2000 PSI MINIMUM TO BE VERIFIED WITH LOCAL AND STATE JURISDICTIONS.
- FOOTINGS SHALL BE CARRIED TO LOWER ELEVATIONS THAN THOSE SHOWN ON THE DRAWINGS IF REQUIRED TO REACH FIRM SOIL.

CONCRETE:

- CONCRETE COMPRESSIVE STRENGTH IN 28 DAYS AIR ENTRAINED PER TABLE R402.2: ALL CONCRETE.....3000 PSI
SLUMP.....5" MAX.
- REINFORCING: ASTM A615 - 60 MIP AND TIES GRADE 40-ELSEWHERE GRADE 60, UNO ALL REINFORCEMENT TO BE WELDABLE GRADE WHERE WELDING SHOWN ON DRAWINGS.
- CLEAR DISTANCE FROM FACE OF CONCRETE TO MAIN STEEL:
CAST IN PLACE CONCRETE:
SLABS.....3/4"
FOOTINGS.....3"
- SLABS EXPOSED TO EARTH AND WEATHER.....1/2"
BOTTOM OF FOOTING AND TURNDOWN SLAB TO EXTEND 14" MIN. BELOW GROUND ELEVATION

WOOD:

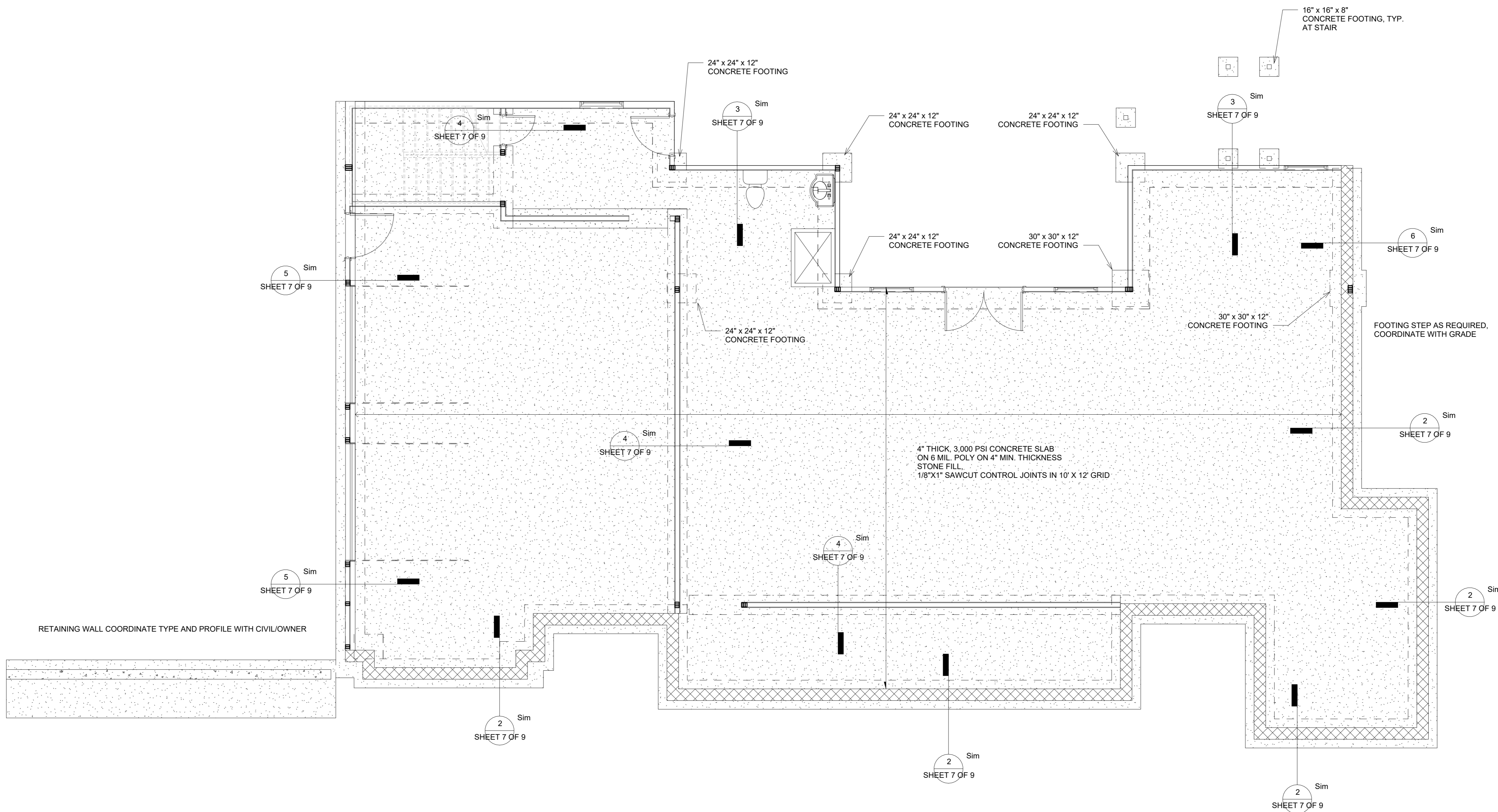
- ALLOWABLE STRESSES AND GRADES FOR TIMBER FRAMING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION STRESS-GRADE LUMBER AND ITS FASTENINGS' AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
- ALL FRAMING - SYP. NO. 2 (F_b = 875 PSI) UNLESS NOTED OTHERWISE (UNO)
- 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.
- 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: F_b=2600 PSI, F_v=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:
ROOF:
+10 PSF, -32 PSF - 2:25:12 PITCH OR LESS
+10 PSF, -38 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
- 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. R602.7.3 FOR KING STUDS. ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
- 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.
- 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 14 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:

- 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 BEARINGS FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (1/2" DIAMETER X 4" LONG).

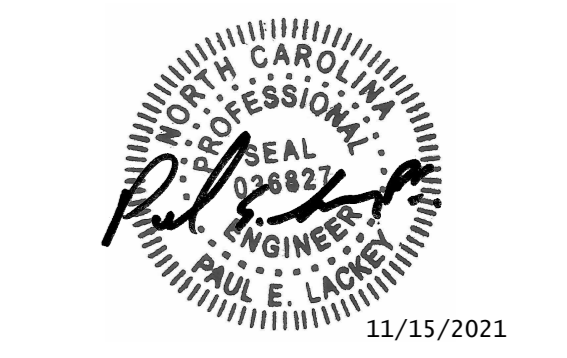


Foundation Plan

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

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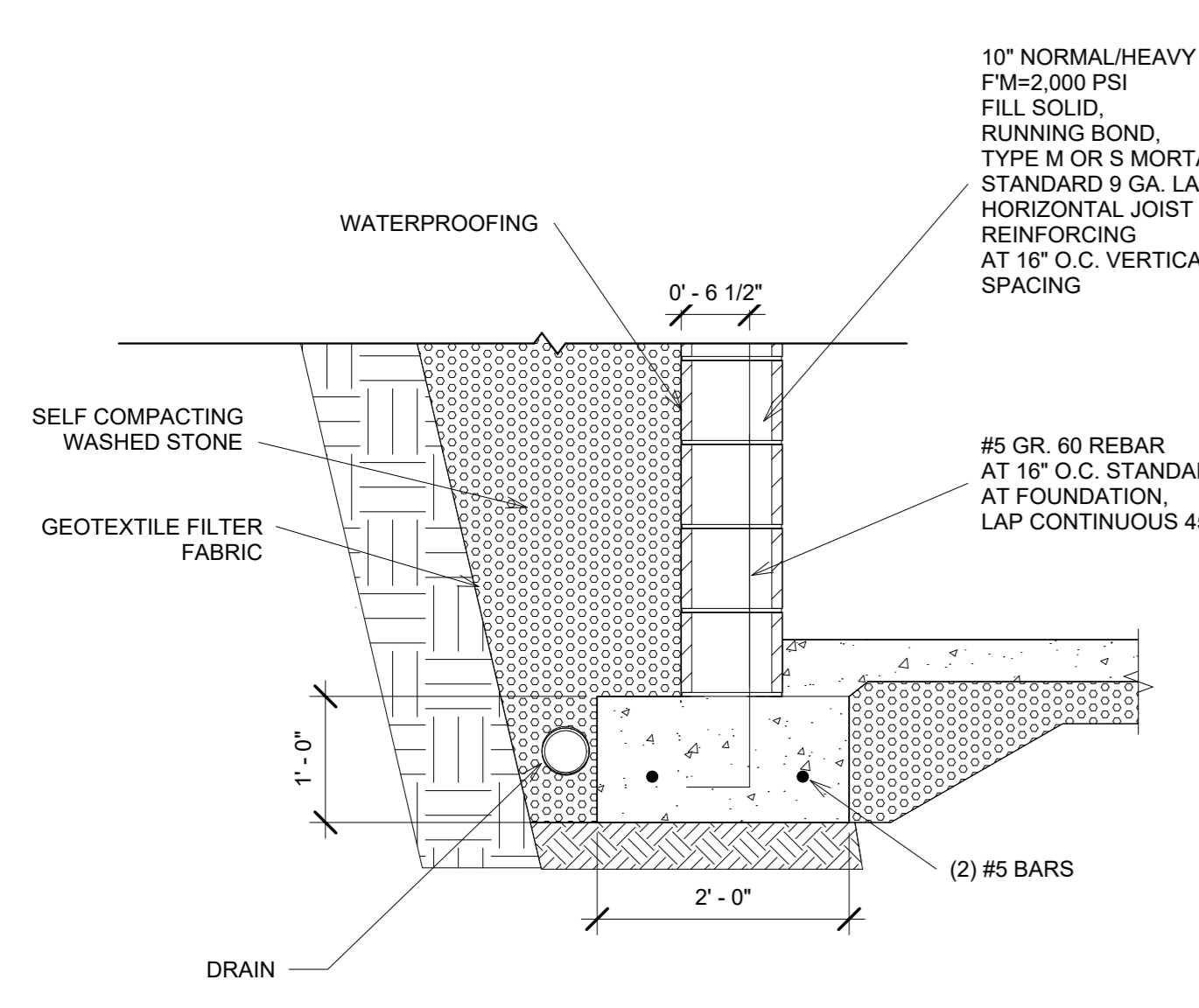


No.	Description	Date
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C	ADDENDUM 1	11/15/21

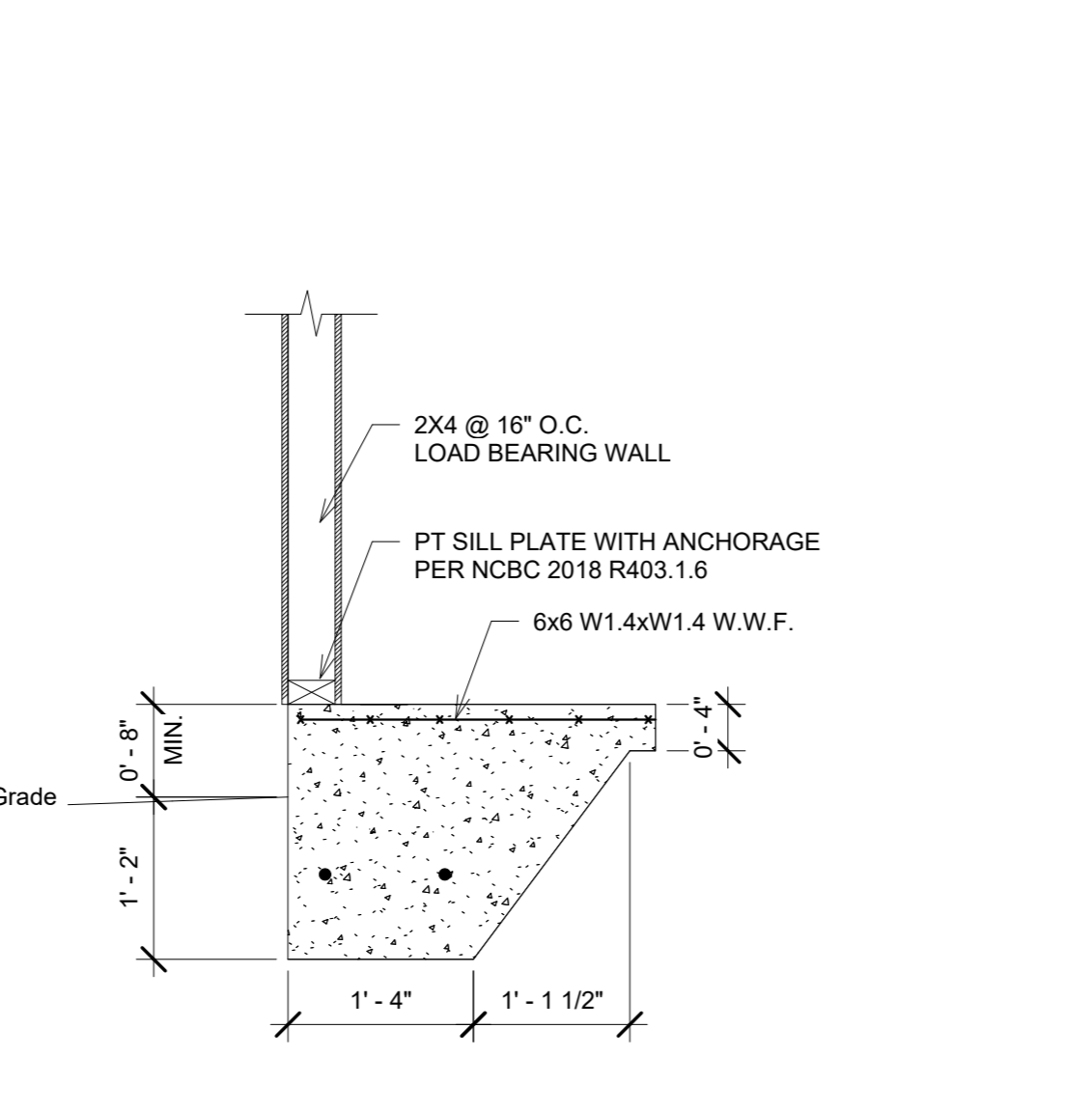
Lot 4r Hobby Rd
Foundation Plan

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

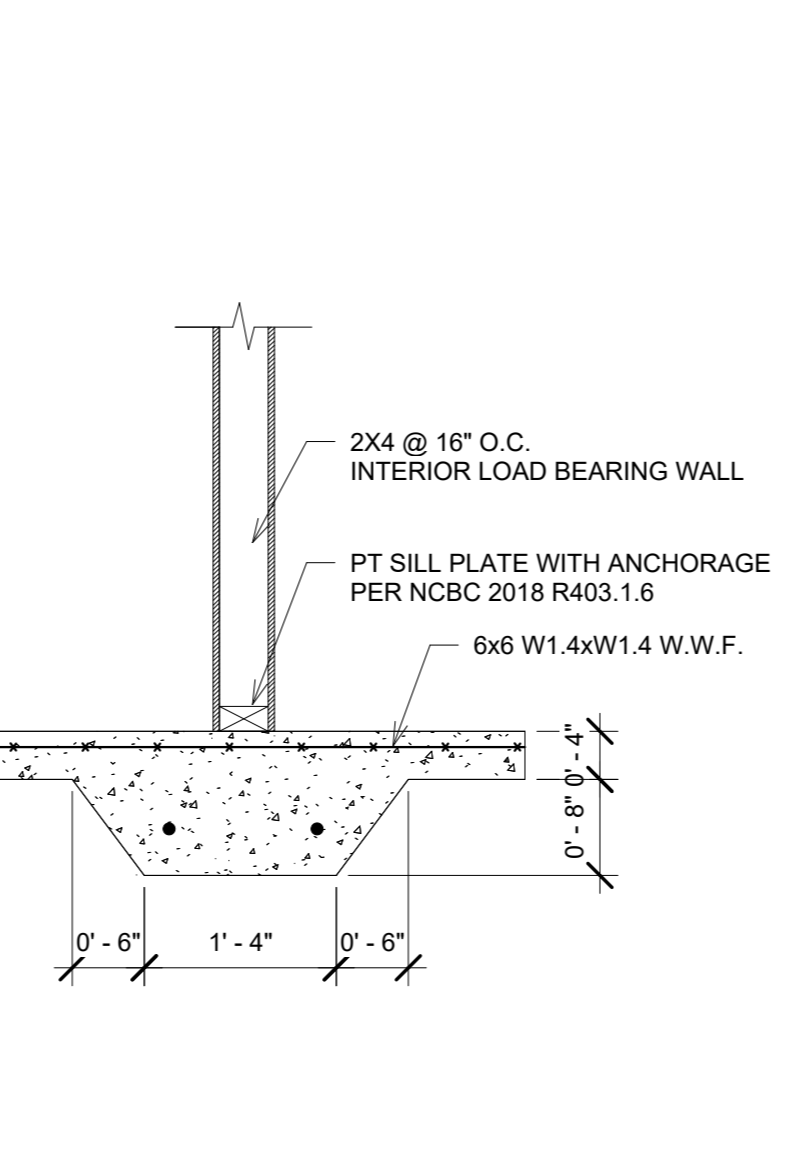
SHEET 7 OF 9
Scale As indicated



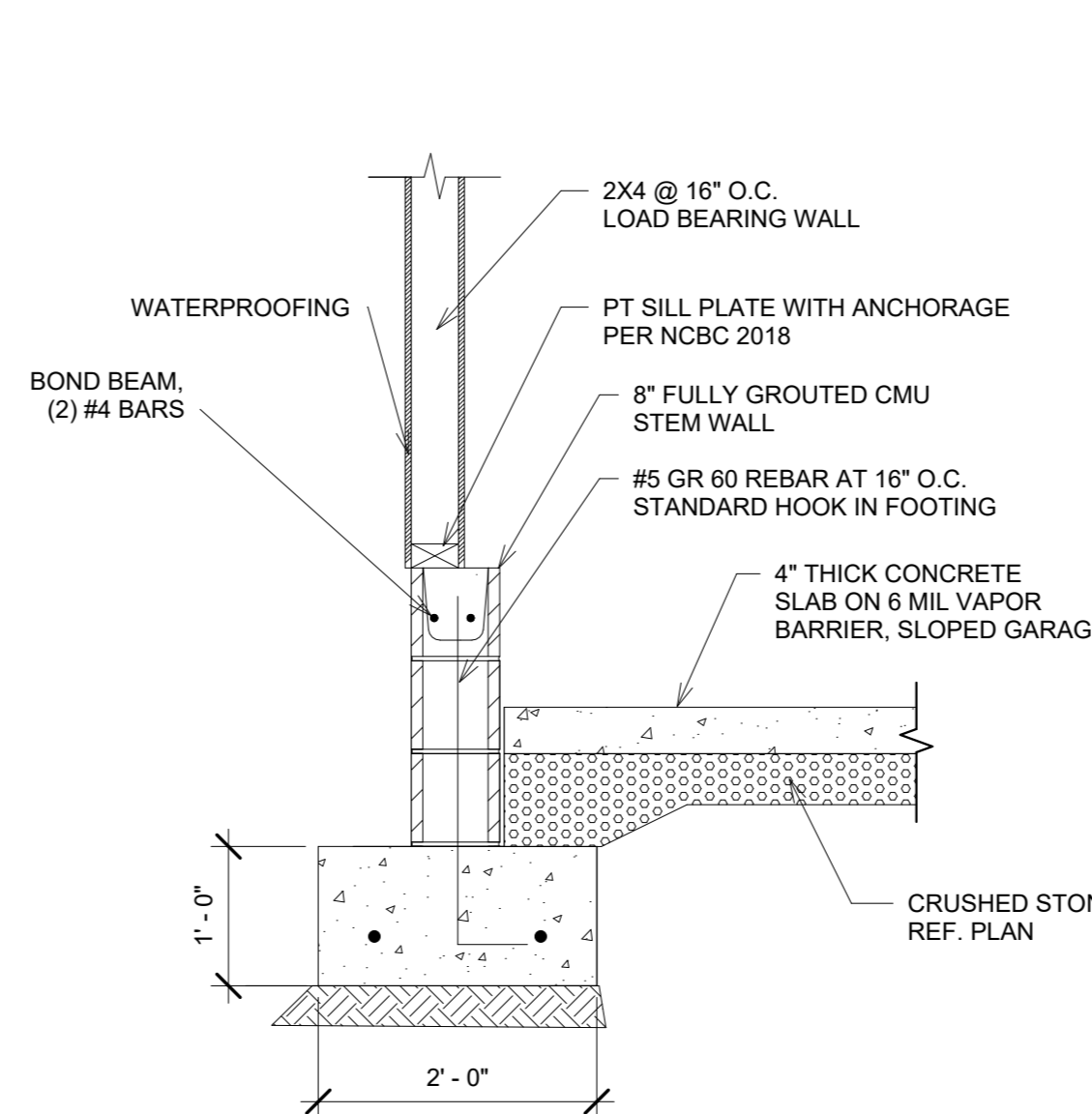
2 CMU Basement Wall
3/4" = 1'-0"



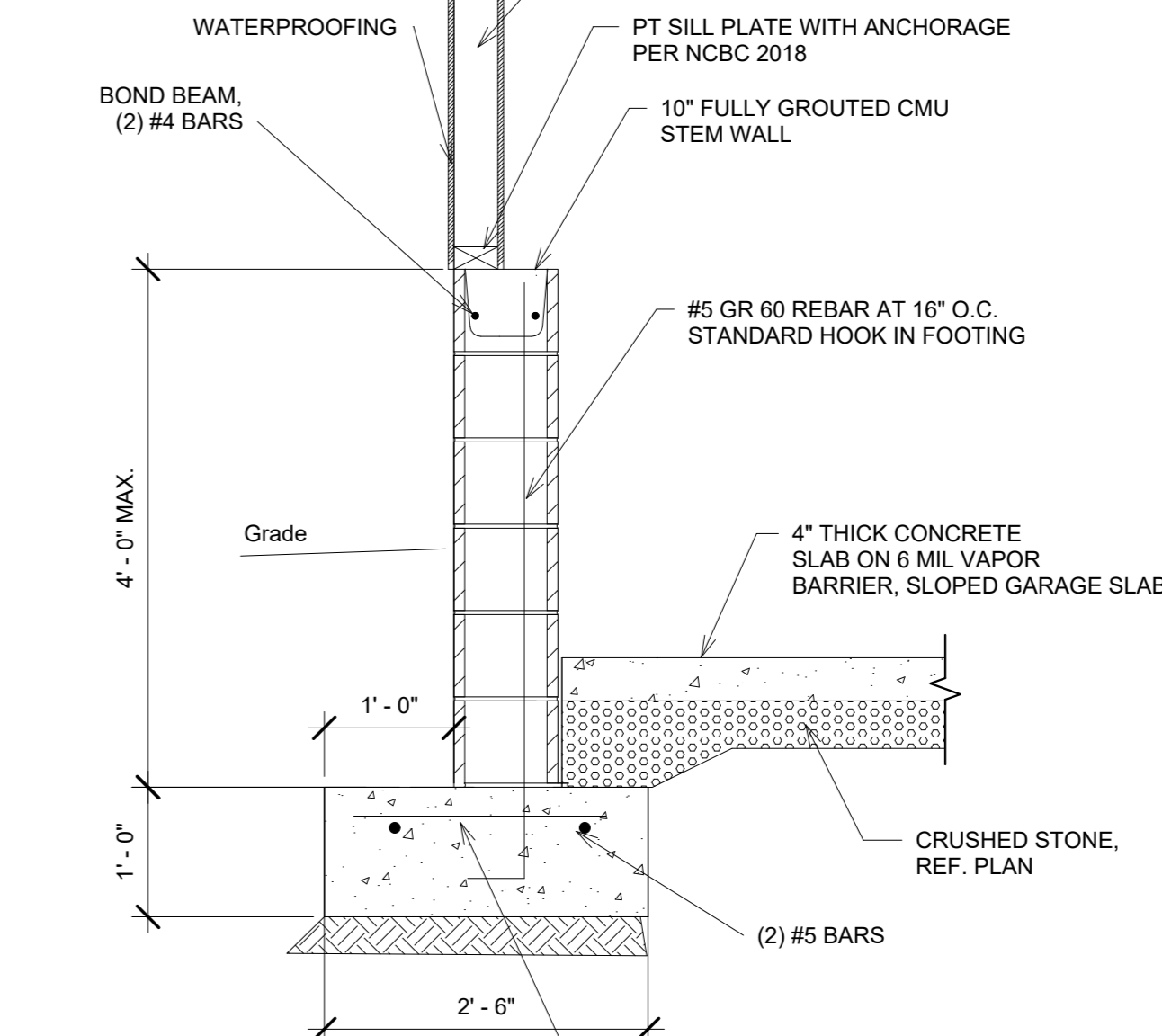
3 Exterior Thickened Slab
3/4" = 1'-0"



4 Interior Thickened Slab
3/4" = 1'-0"



5 Stem Wall at Garage
3/4" = 1'-0"



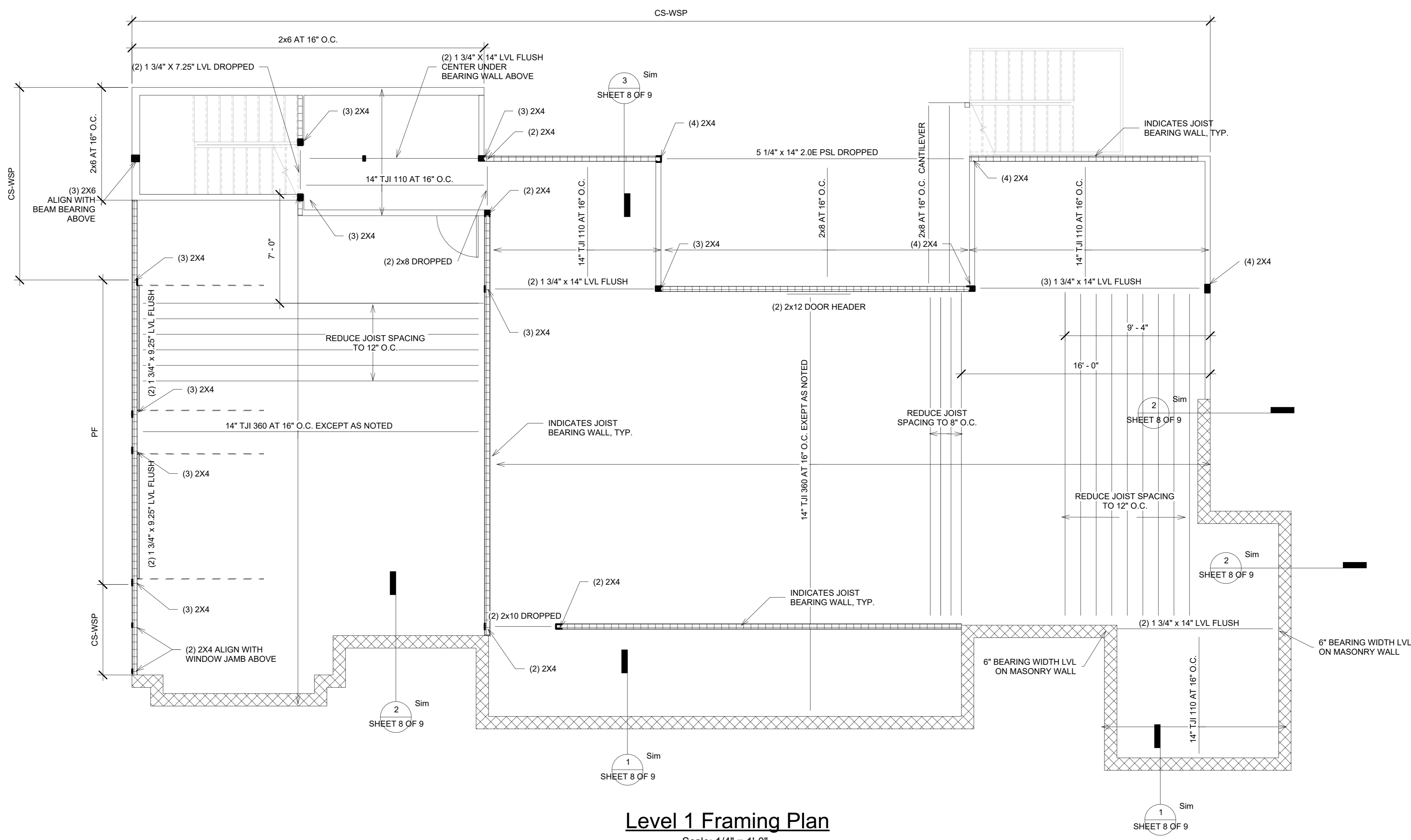
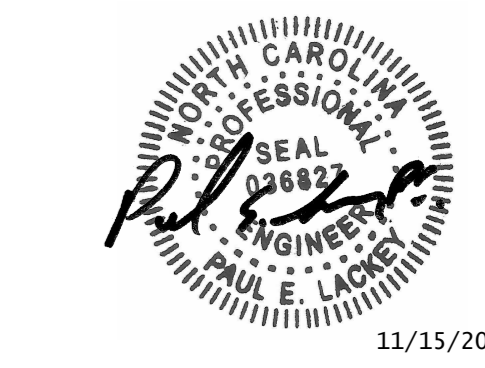
6 Stem Wall at Basement Wall Step
3/4" = 1'-0"

BRACING NOTES

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

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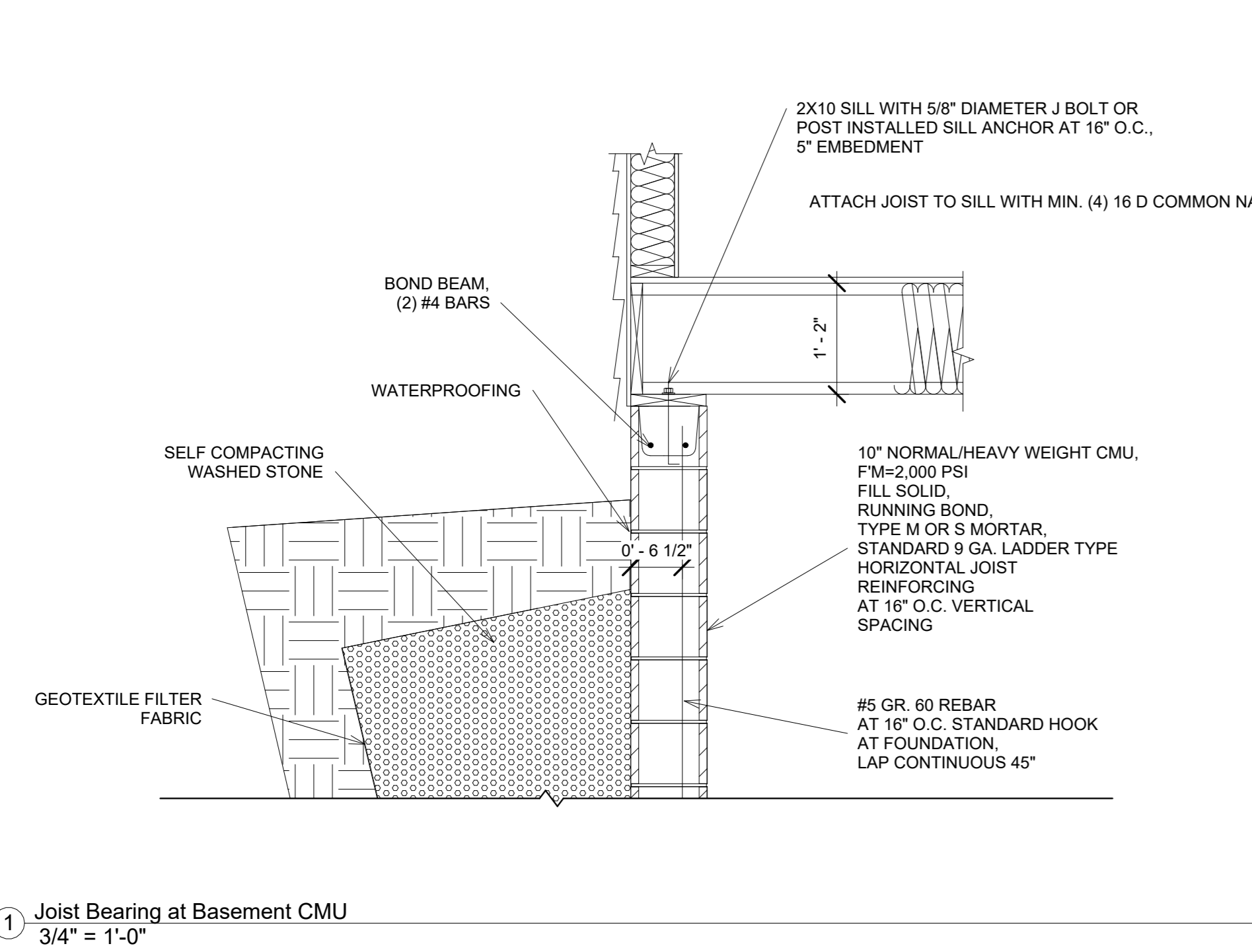
PERMIT SET
NOT FOR CONSTRUCTION



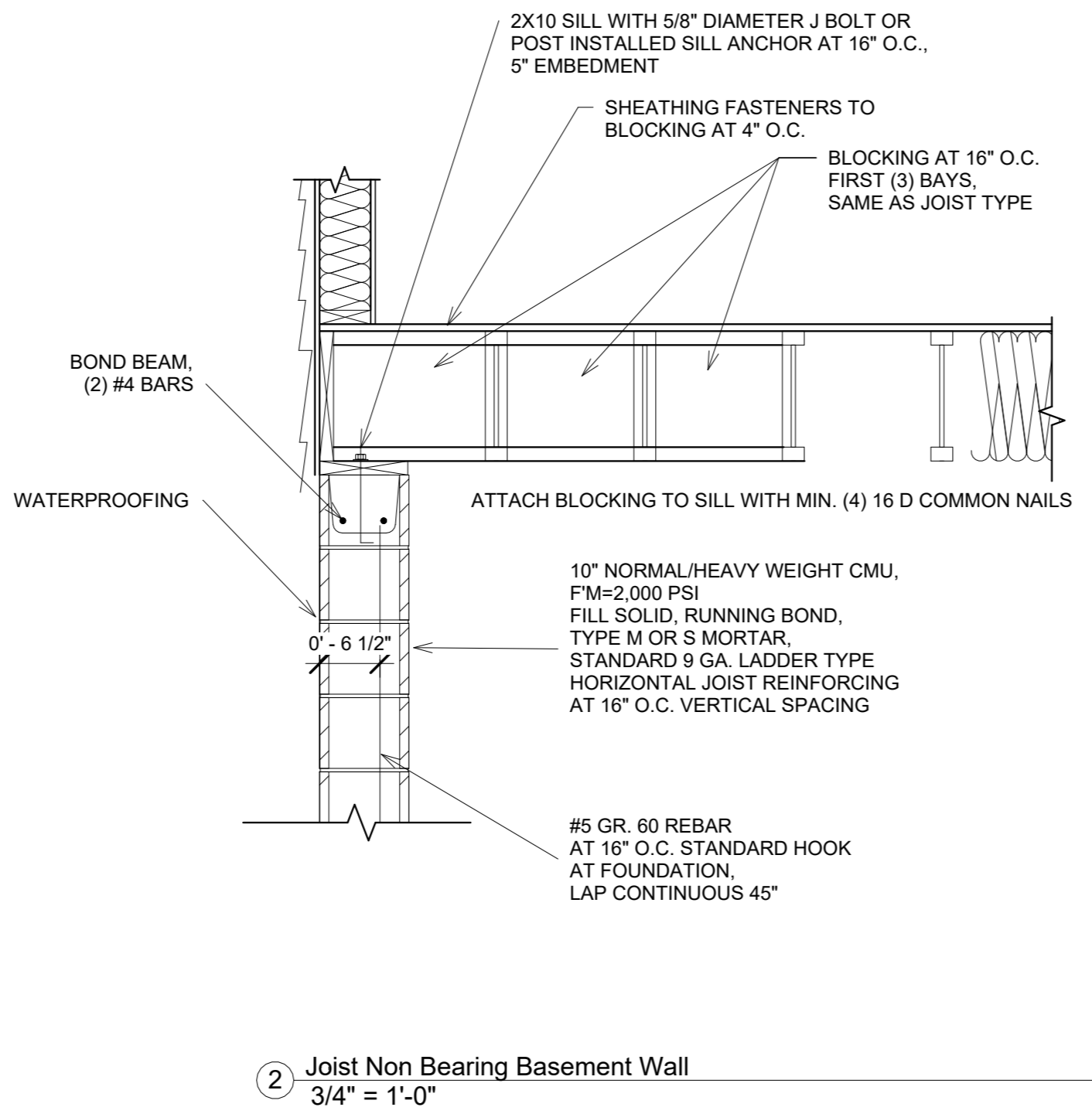
Level 1 Framing Plan
Scale: 1/4" = 1'-0"

PLAN NOTES:
1. REF. SHEET 7 FOR GENERAL FRAMING NOTES

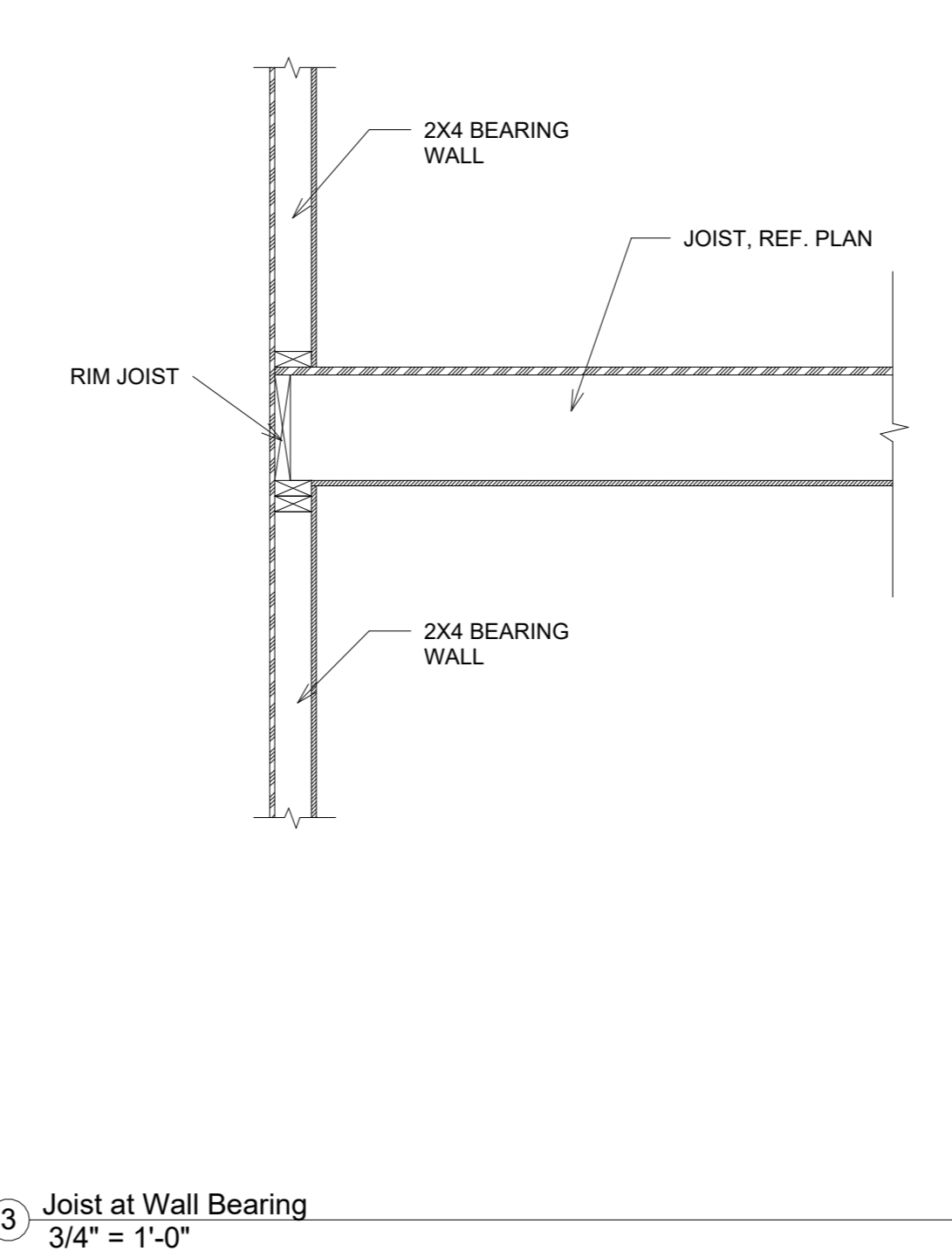
No.	Description	Date
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1 Joist Bearing at Basement CMU
3/4" = 1'-0"



2 Joist Non Bearing Basement Wall
3/4" = 1'-0"



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

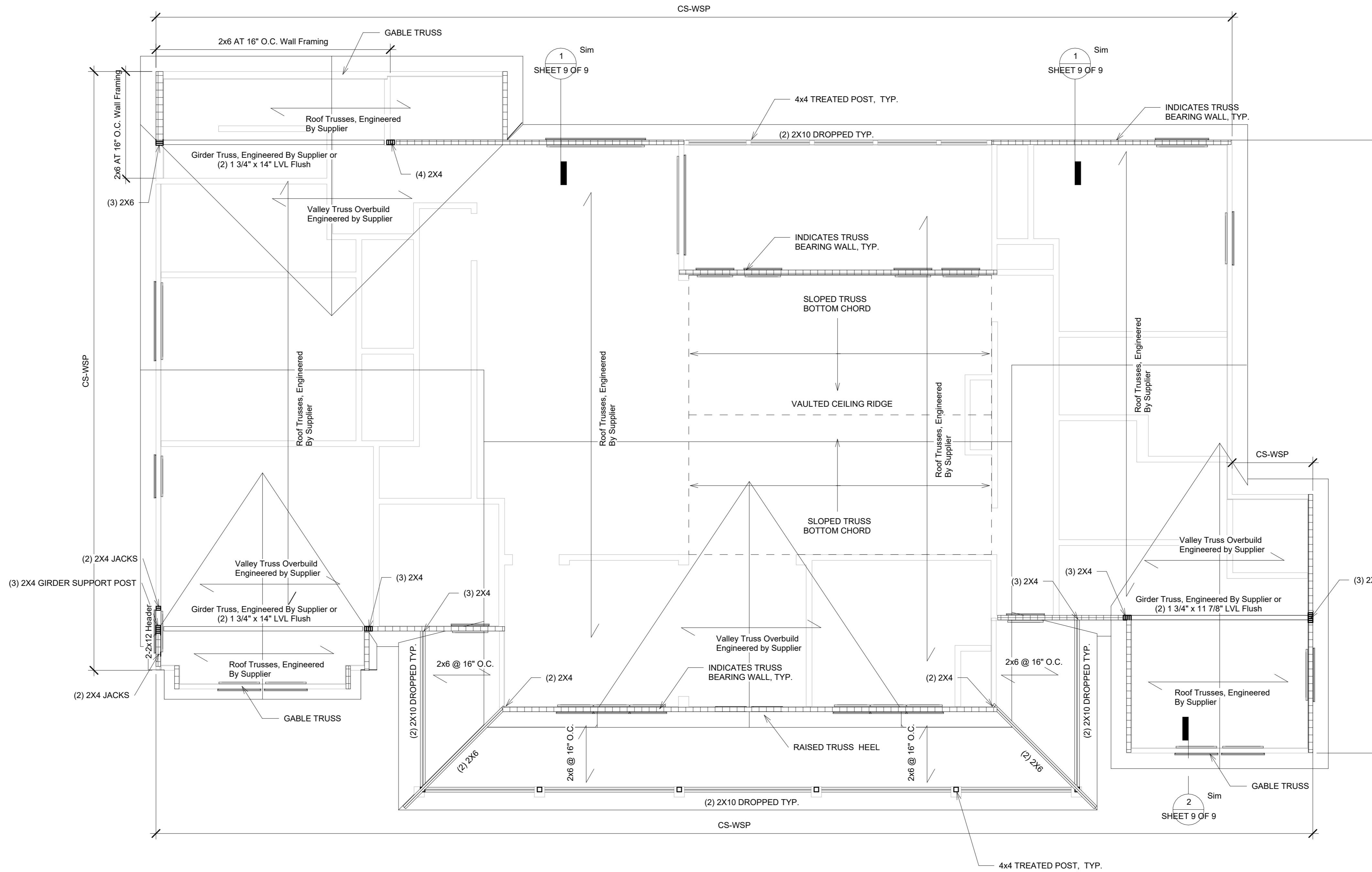
Lot 4r Hobby Rd
Level 1 Framing Plan

Project Number	21001
Date	11/15/21
Drawn By	BGL
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SHEET 8 OF 9
Scale As indicated

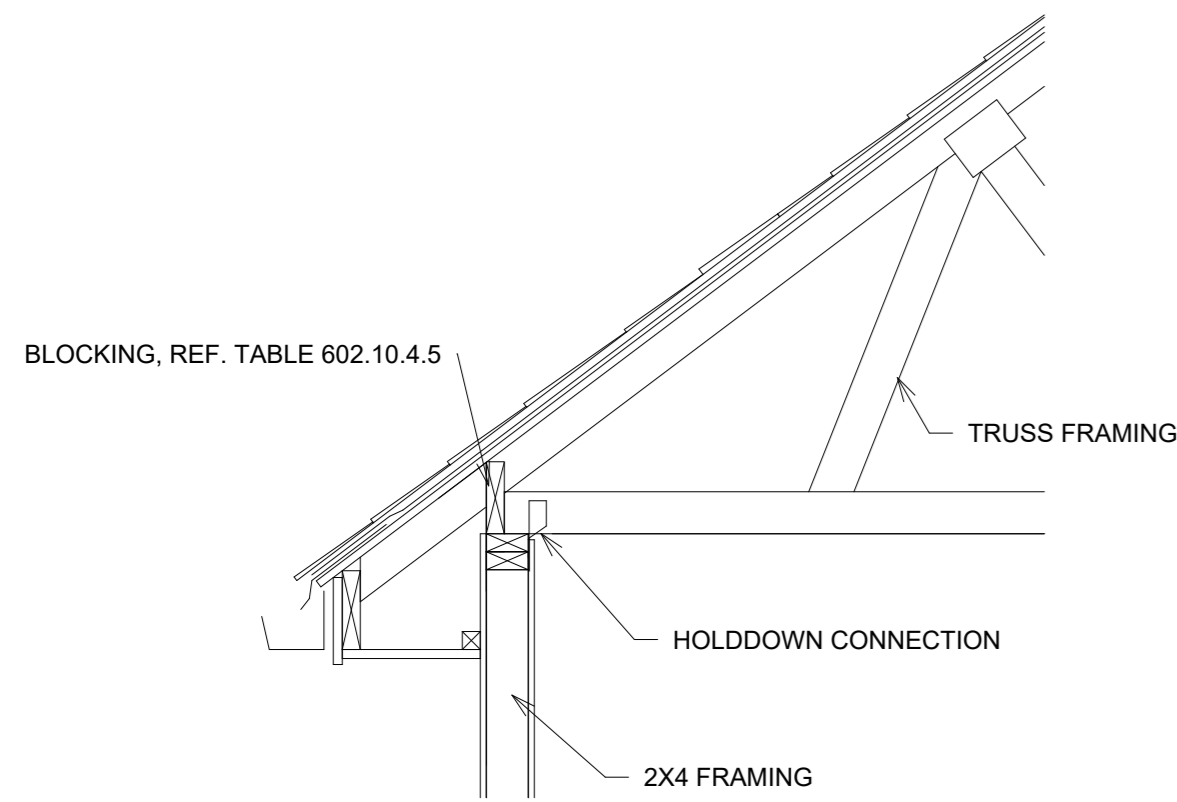
BRACING NOTES

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

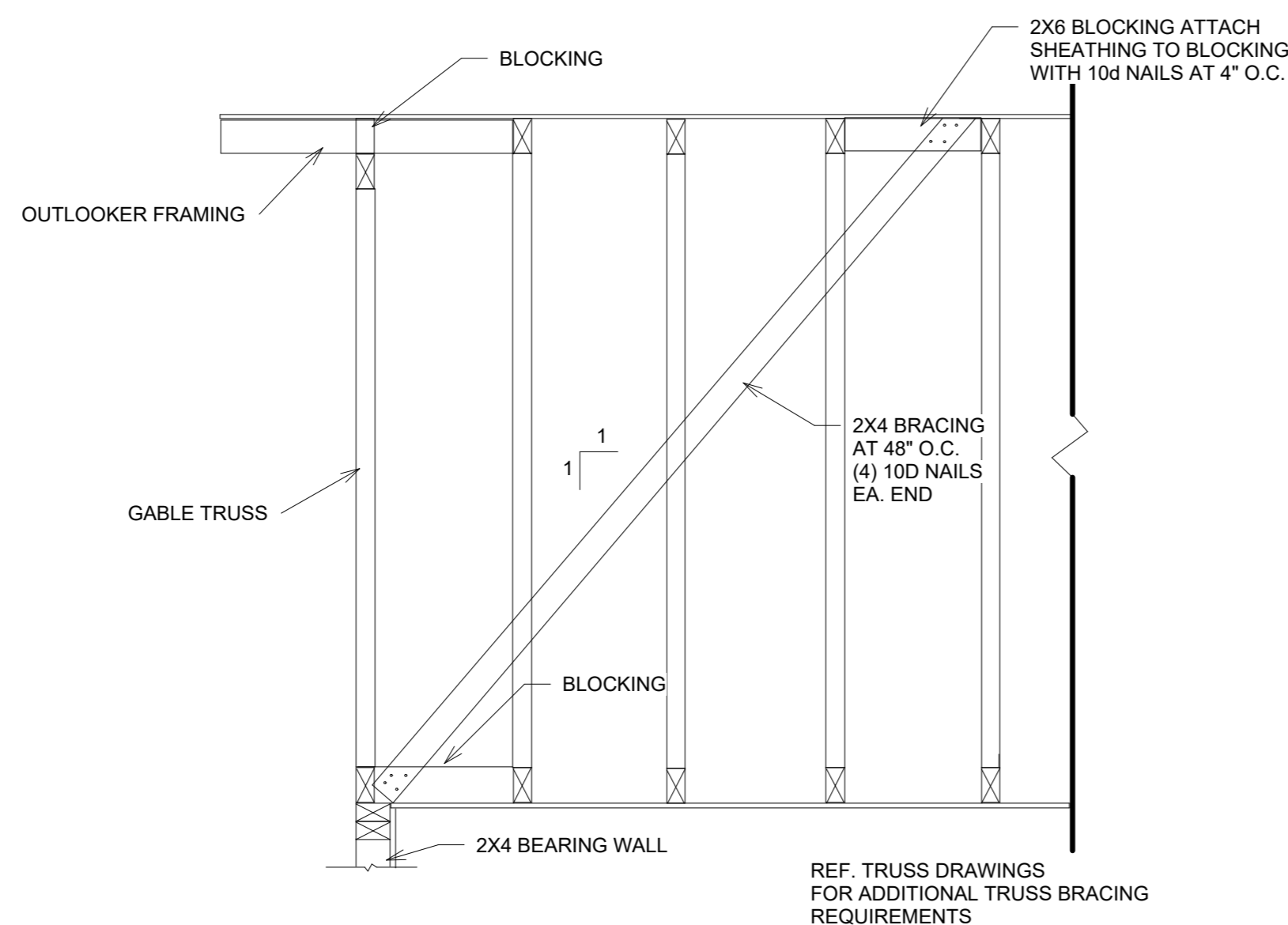


Roof Framing Plan
Scale: 1/4" = 1'-0"

PLAN NOTES:
1. REF. SHEET 7 FOR GENERAL FRAMING NOTES



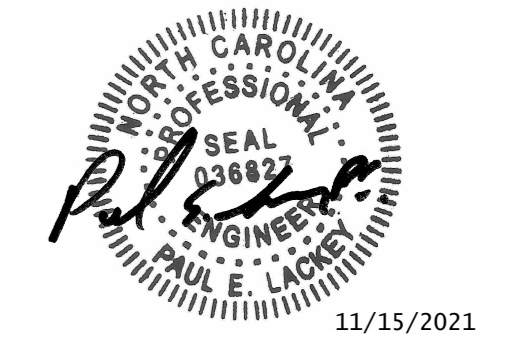
1 Roof Truss Bearing
3/4" = 1'-0"



2 Gable Wall Bracing
3/4" = 1'-0"

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Lot 4r Hobby Rd
Roof Framing Plan

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

SHEET 9 OF 9
Scale As indicated