CONSTRUCTION SUMMARY

LOCATION: 5244 COOL SPRINGS RD, BROADWAY NC 27505 (HARNETT CO.)

SQUARE FOOTAGE:

KITCHEN:	754 SQ. FT.
GARAGE:	2,720 SQ. FT.
UNFINISHED/ 2ND STORY STORAGE:	2,248 SQ. FT.
COVERED PORCH (COMBINED):	2,490 SQ. FT.
TOTAL AREA UNDER ROOF:	5,905 SQ. FT.

DESIGN CODES:

2018 NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE.

DESIGN LOADS:

THE STRUCTURAL SYSTEM FOR THIS BUILDING HAS BEEN DESIGNED WITH THE FOLLOWING SUPERIMPOSED LOADINGS:

DESIGN LIVE LOADS:

GARAGE/ SLAB-ON-GRADE	100 psf
UNFINISHED STORAGE/ SECOND FLOOR	40 psf
ROOF	20 psf

WIND:

BASIC WIND SPEED (3 SEC GUST)	115mph
EXPOSURE CATEGORY	B
IMPORTANCE FACTOR	1.0

BRACED WALL METHOD: CONTINUOUS SHEATHING - WOOD STRUCTURAL PANEL

FOUNDATIONS:

FOUNDATIONS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2,000 psf. ON EXISTING SOILS. BEFORE CONSTRUCTION COMMENCES, SOIL BEARING CAPACITY SHALL BE VERIFIED BY A SUBSURFACE INVESTIGATION.

CONCRETE MATERIAL SPECIFICATIONS:
CONCRETE COMPRESSIVE STRENGTH: 3000 psi (28 DAY STRENGTH)
CEMENT: TYPE I/II
AIR ENTRAINMENT: 5% - 7% IF EXPOSED TO WEATHER OR EARTH
REINFORCING STEEL: ASTM A615, GRADE 60
WELDED WIRE FABRIC: ASTM A185
ANCHOR BOLTS: GRADE A36
CLASS B SPLICE LENGTH: GREATER OF 48 BAR DIAMETERS OR 24 INCHES

MASONRY MATERIAL SPECIFICATIONS:
CONCRETE MASONRY UNITS: ASTM C90 TYPE I, GRADE N, f'm = 2,000 psi
MORTAR (BELOW GRADE): TYPE "M", ASTM C270
MORTAR (ABOVE GRADE): TYPE "S", ASTM C270.
GROUT: 3,000 psi PEA-GRAVEL CONCRETE, ASTM C476.

WOOD MATERIAL SPECIFICATIONS:
STRUCTURAL WOOD:
SPRUCE-PINE-FIR (SPF) OR SOUTHERN YELLOW PINE (SYP) NO. 2 OR BETTER.

MODULAS OF ELASTICITY (E)	1,300,000 PSI
BENDING (Fb)	850 PSI
SHEAR (Fv)	75 PSI

PRESSURE TREATING: AITC-109
WOOD FASTENERS: 2003 I.B.C. (TABLE 2304.9.1) U.N.O.
LVL BEAMS:

MODULAS OF ELASTICITY (E)	1,900,000 PSI
BENDING (Fb)	2,600 PSI
SHEAR (Fv)	285 PSI

ENERGY COMPLIANCE:
CLIMATE ZONE: 4 (HARNETT COUNTY, NC)
CAVITY INSULATION: WALLS: R-15 (MIN.) UNINHABITED GARAGE
CEILING: R-30 (MIN.) UNINHABITED GARAGE

GLAZING: U-FACTOR: 0.32
SHGC: 0.25

PERMIT SET - FOR CONSTRUCTION

HMHendrick Enterprises, INC.
913 Bentcreek Ct. Sanford, NC 27330
(919) 427-0501

NORTH CAROLINA PROFESSIONAL SEAL 035655 ENGINEER JOHN M. HENDRICK

09/30/25

Project Name
FAIRCLOTH - GARAGE
5244 COOL SPRINGS RD
BROADWAY, NORTH CAROLINA

Sheet Title
FOUNDATION PLAN

DESIGNED BY:	HMH
DRAWN BY:	HMH
APPROVED BY:	HMH
PROJECT #:	-
DATE:	09/30/25

No.	Revision	Date

Sheet
S-1

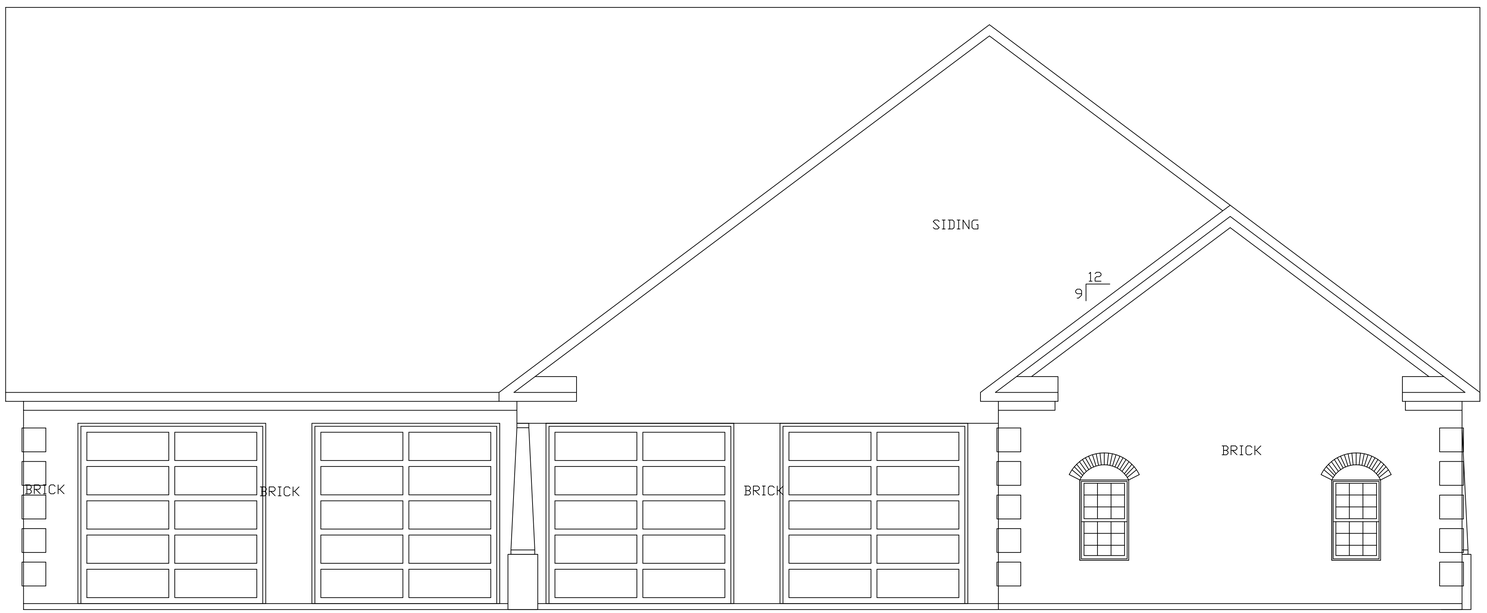
Engineering seal is in reference to the review of the residential plans provided, as prepared by "owner/ owner's representative" for local/ NC Residential Building Code (NCRBC) compliance and structural integrity of design, referencing the additional information provided on the supplemental cover sheet, (S-1), and additional redlines on the attached sheets, as prepared by HMHendrick Enterprises, Inc, as applicable. Dimensions and aesthetic detailing/ finishes as shown on these plans are by owner, as drawn, and are not reviewed/ verified by HMHE. Final responsibility for construction compliance with current NCRBC requirements rests on the general contractor/ builder.

NORTH CAROLINA PROFESSIONAL SEAL 035655 ENGINEER MARK M. HENDRICK

09/30/25

Build Location:
5244 Cool Springs Rd,
Broadway NC, 27505

FRONT ELEVATION
SCALE: 1/4"=1'



REAR ELEVATION
SCALE: 1/4"=1'

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09/30/25

Build Location:
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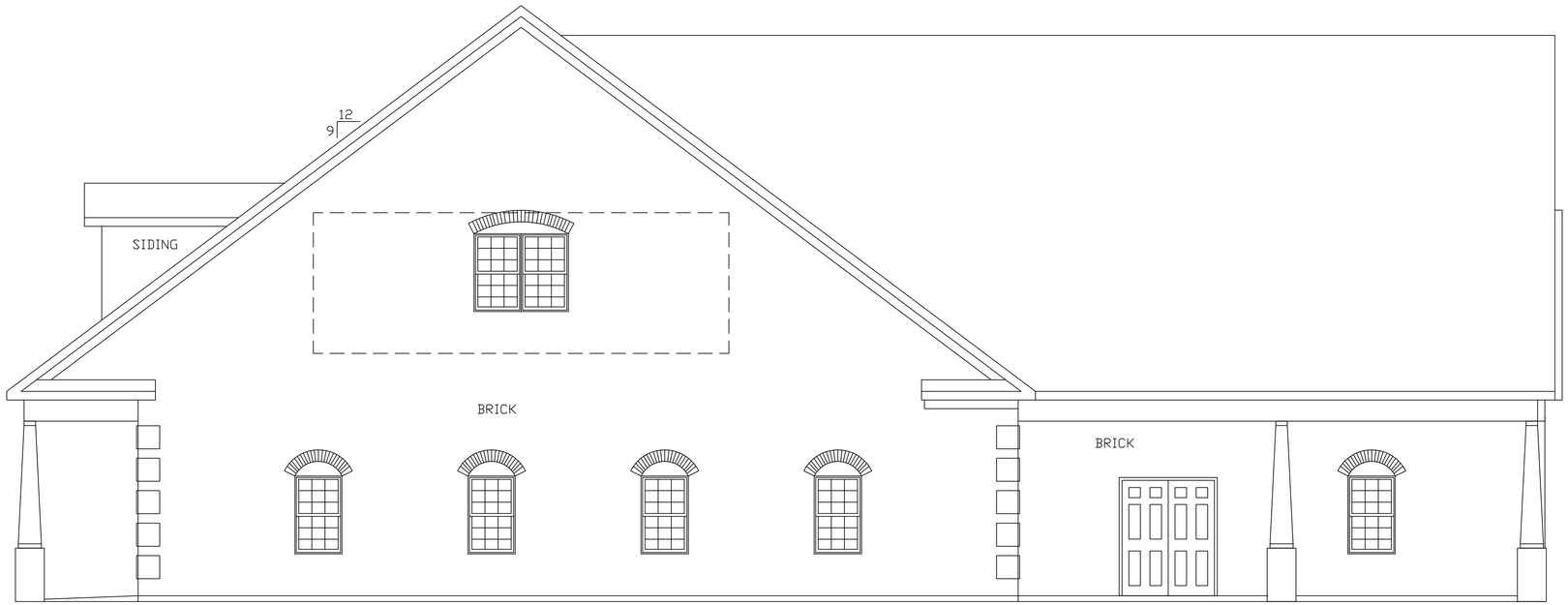
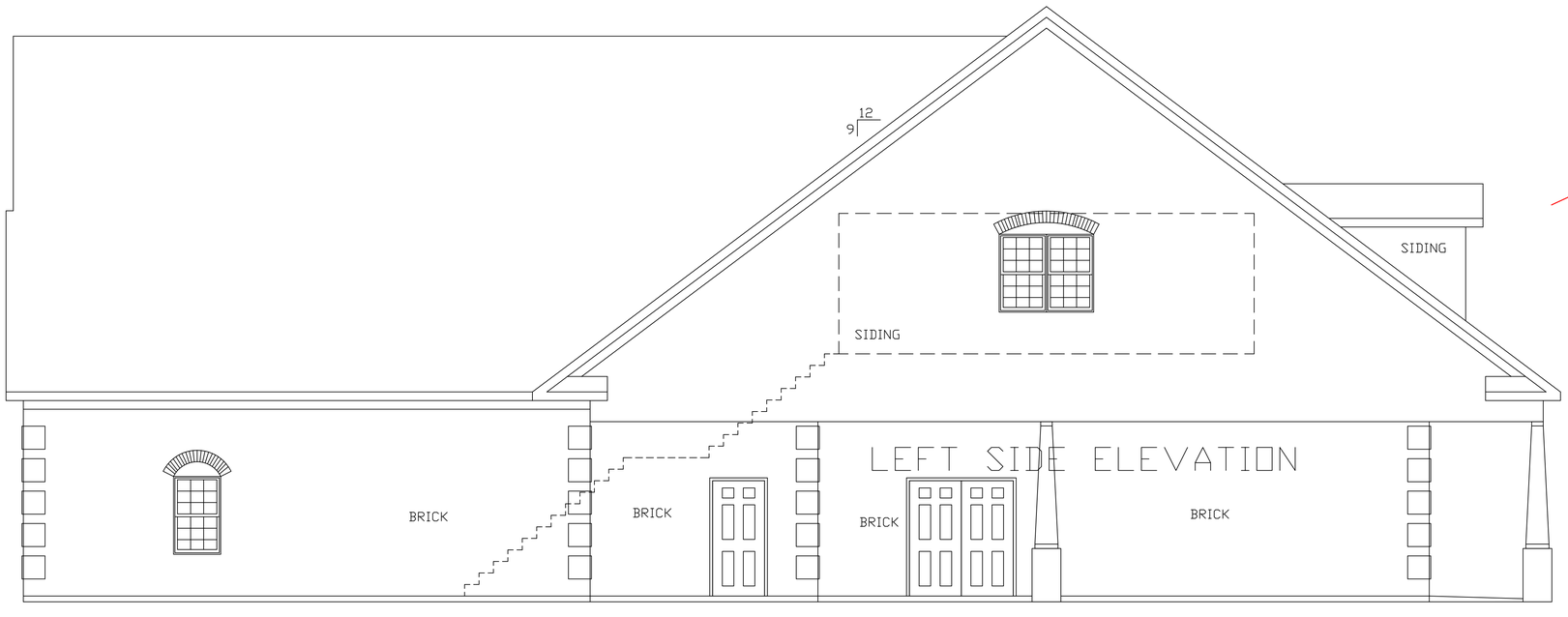
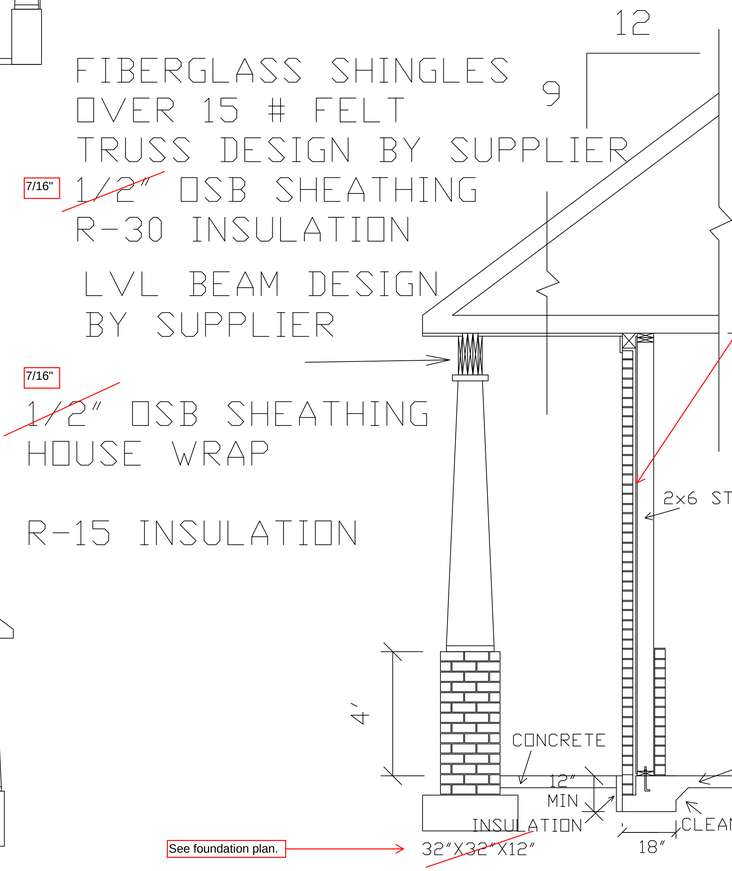
Broadway NC, 27505



RIGHT SIDE ELEVATION

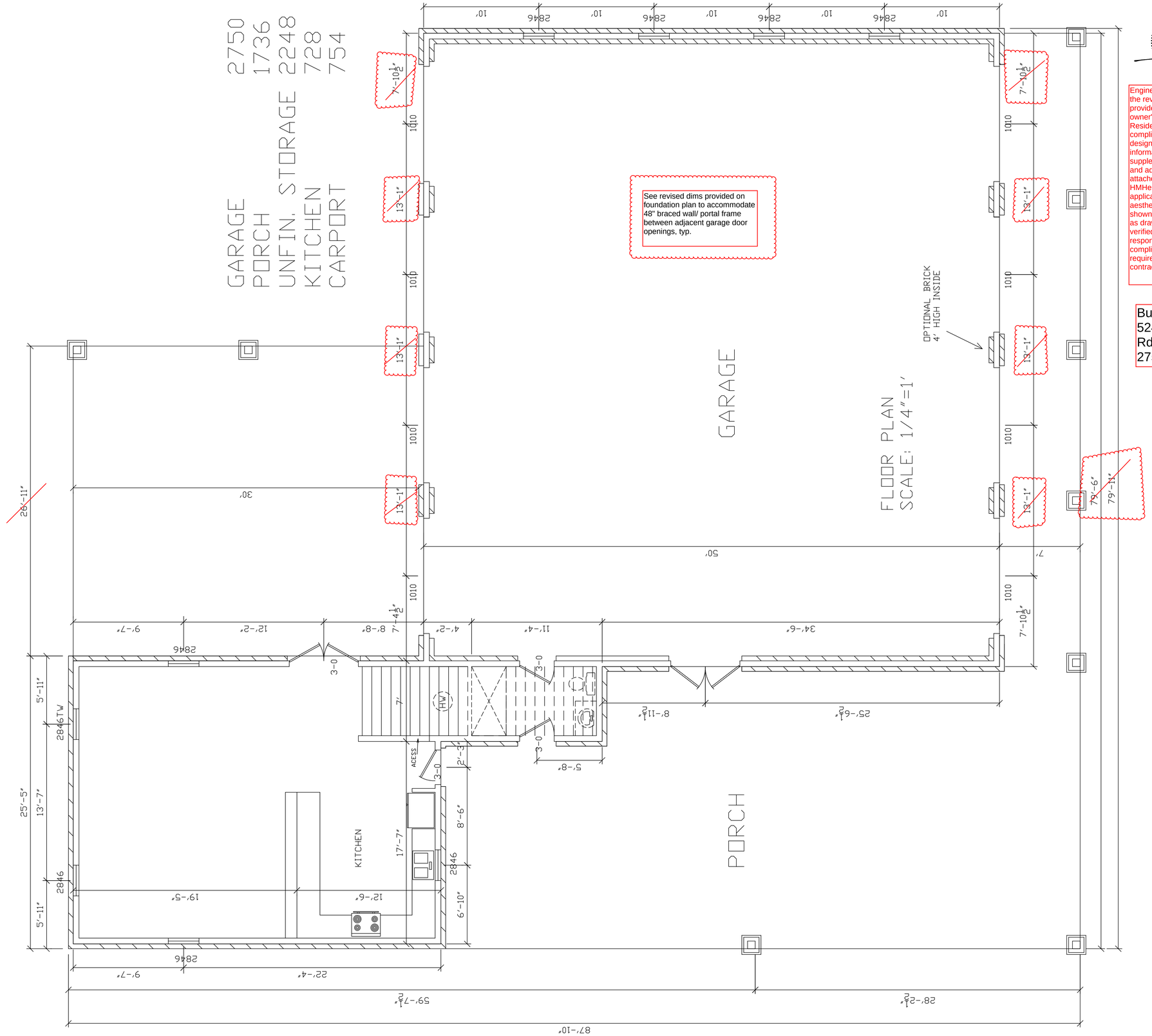


LEFT SIDE ELEVATION



WALL SECTION
SCALE: 1/2"=1'

GARAGE 2750
PORCH 1736
UNFIN. STORAGE 2248
KITCHEN 728
CARPORT 754



See revised dims provided on foundation plan to accommodate 48" braced wall/ portal frame between adjacent garage door openings, typ.

FLOOR PLAN
SCALE: 1/4"=1'

NORTH CAROLINA PROFESSIONAL SEAL 035655 ENGINEER TIM M HENDRICK

09/30/25

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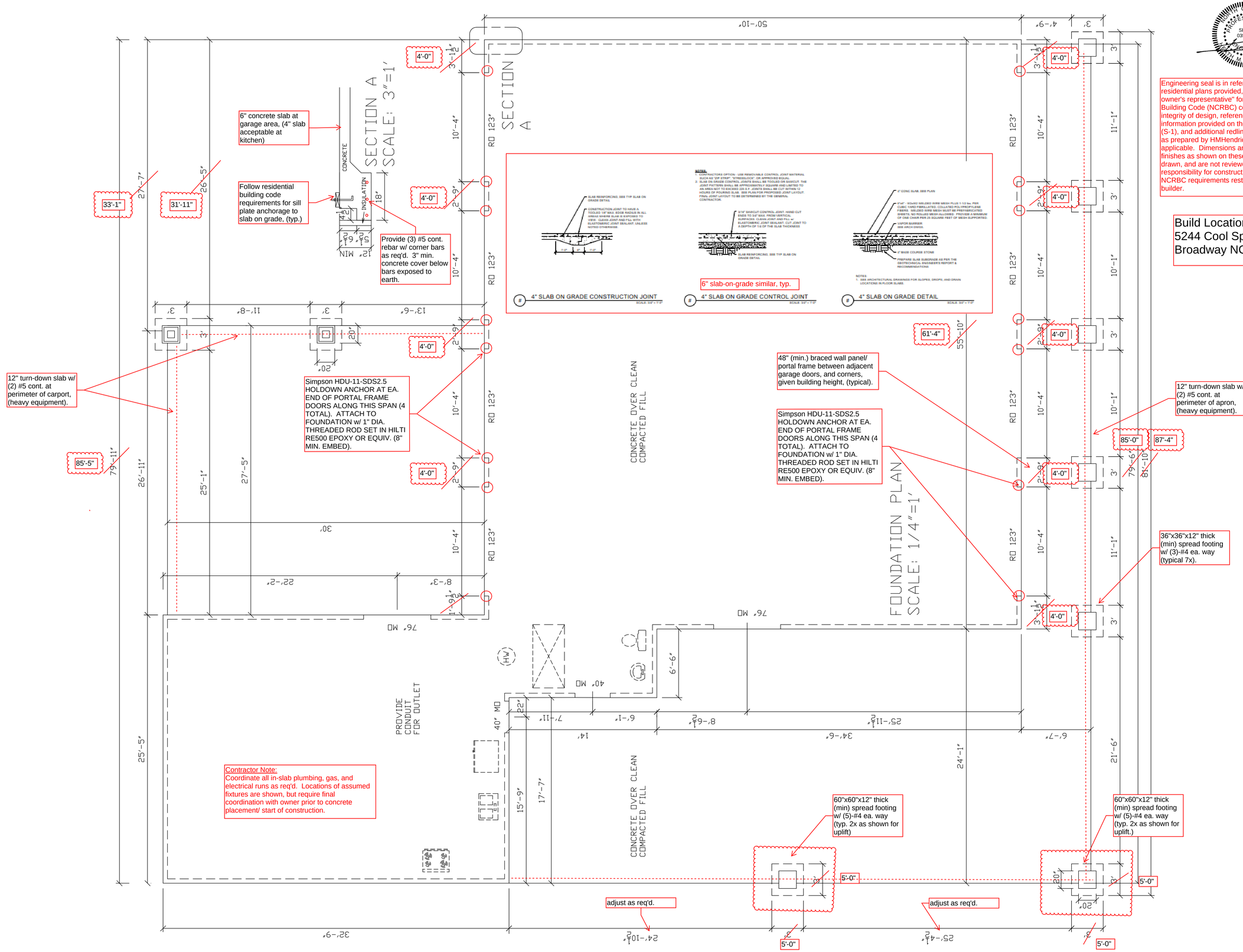
Build Location:
5244 Cool Springs Rd, Broadway NC, 27505



09/30/25

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Broadway NC, 27505

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NORTH CAROLINA PROFESSIONAL SEAL 035655 ENGINEER HARRY M HENDRICK

09/30/25

Build Location:
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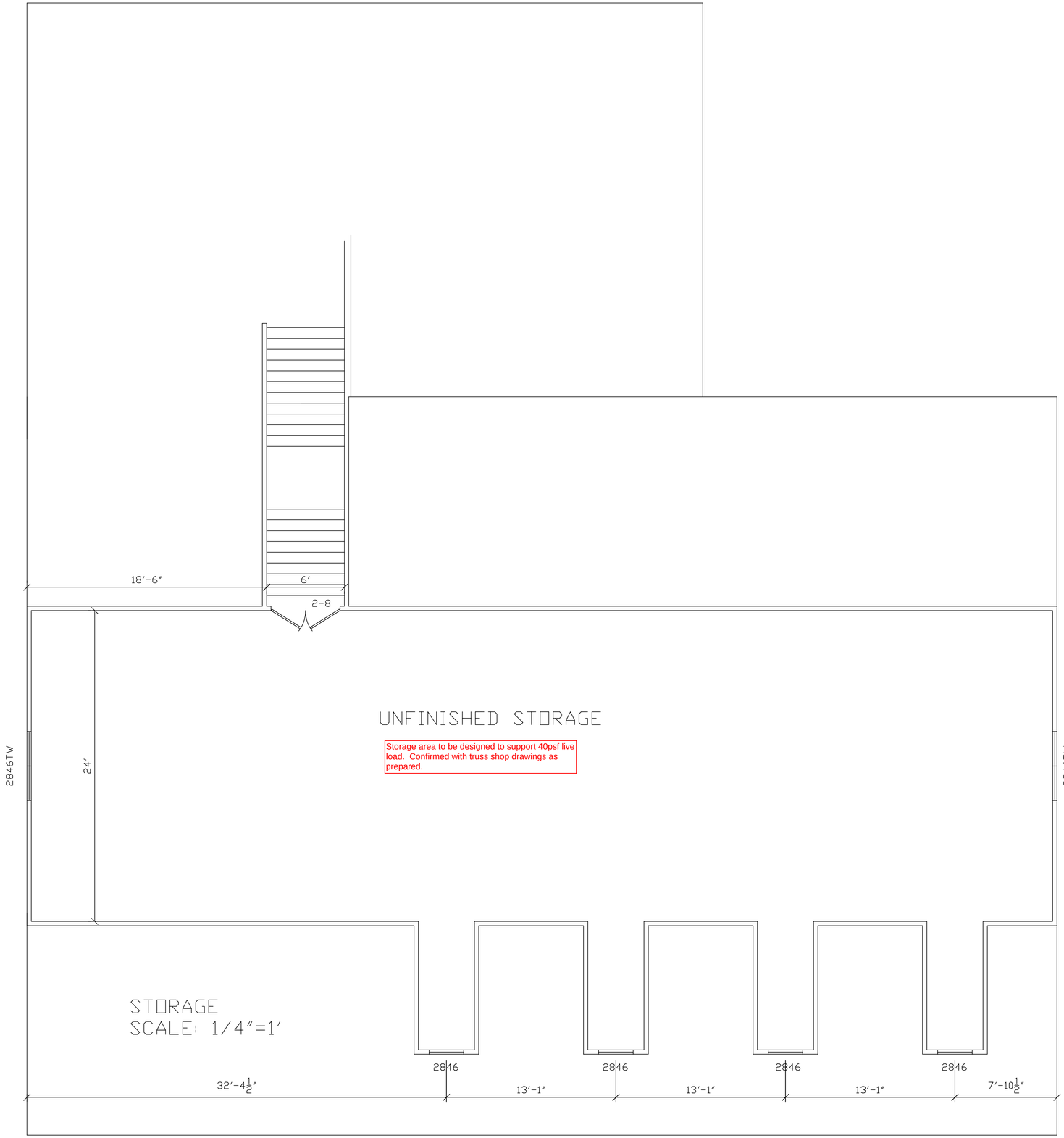
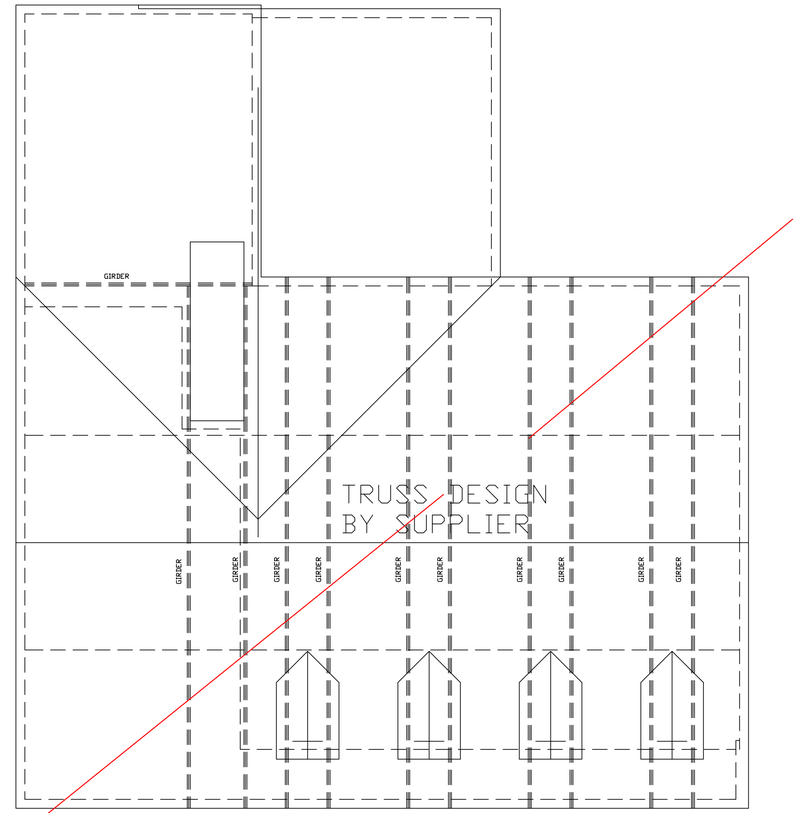
Broadway NC, 27505





ROOF PLAN
SCALE: 1/8″=1′

Reference truss layout and supporting beam construction as shown on truss layout by manufacturer, (provided on next page).

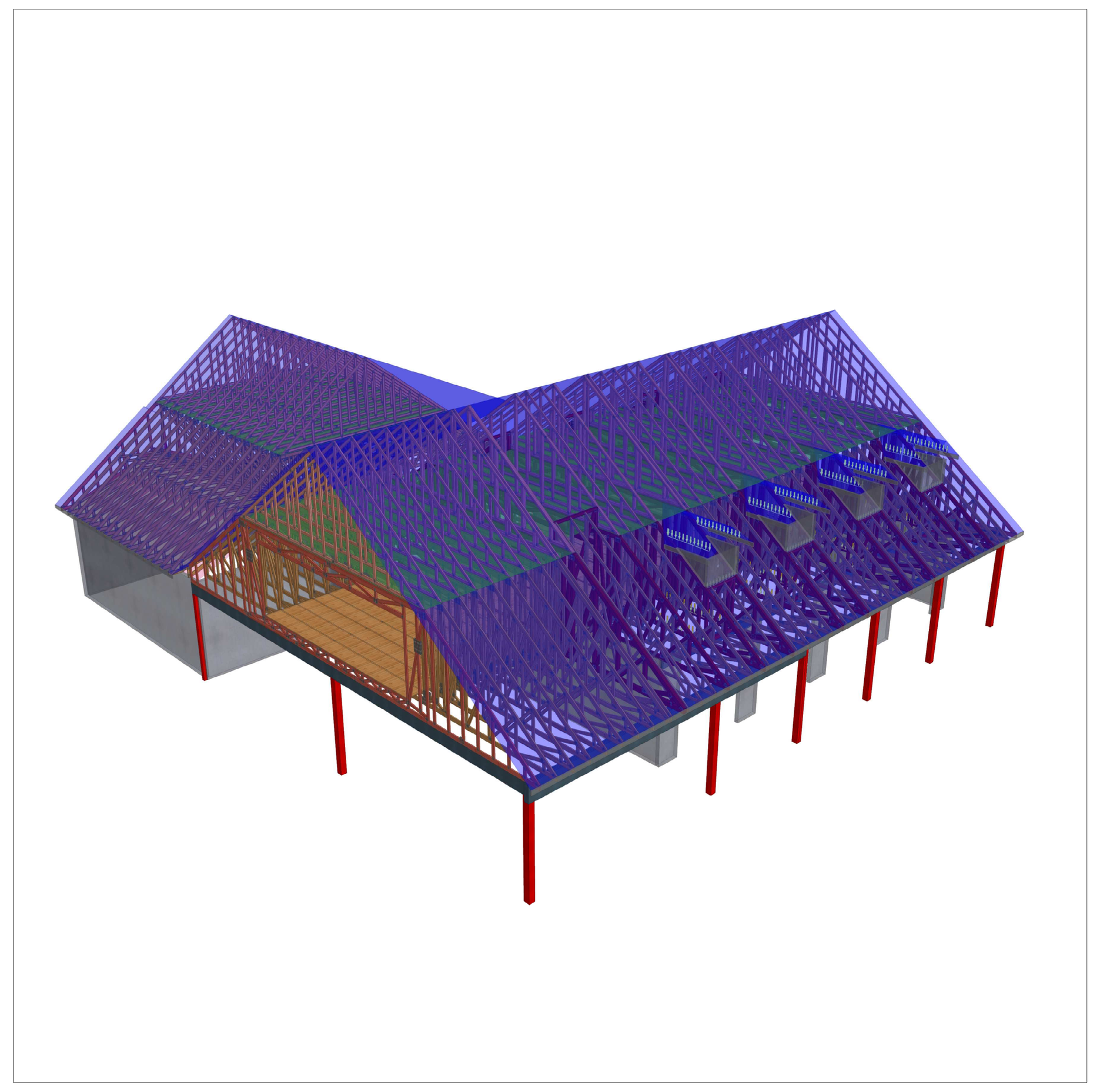
General Notes: ** CUTTING OR DRILLING OF COMPONENTS SHOULD NOT BE DONE WITHOUT CONTACTING COMPONENT SUPPLIER FIRST. CUSTOMER TAKES FULL RESPONSIBILITY FOR COMPONENTS IF CUT BEFORE AUTHORIZATION.

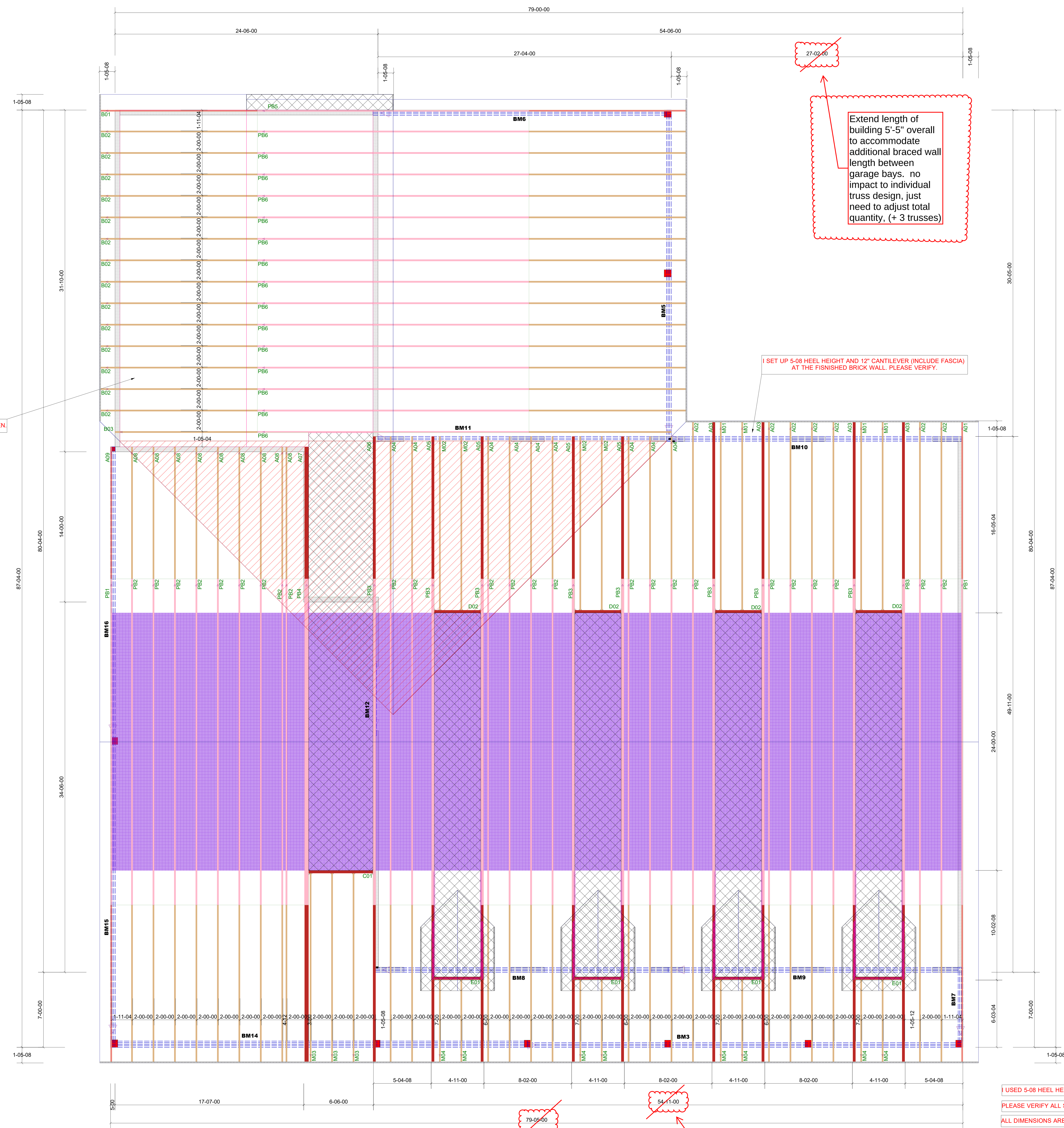
** ALL BEARING POINTS MUST BE INSTALLED PRIOR TO SETTING ANY COMPONENTS.

** TRUSS TO TRUSS CONNECTIONS ARE TOE-NAILED, UNLESS NOTED OTHERWISE.

** DAMAGED COMPONENTS SHOULD NOT BE INSTALLED UNLESS TOLD TO BY THE COMPONENT PLANT.

** FRAMER MUST REFER TO PLANS WHILE SETTING COMPONENTS.





Extend length of building 5'-5" overall to accommodate additional braced wall length between garage bays. no impact to individual truss design, just need to adjust total quantity, (+ 3 trusses)

ENGINEERED SUBMITTAL

This submittal has been reviewed for specified design criteria & compatibility with building structure. The design of these components is the responsibility of those providing the components.

HMHendrick Enterprises, Inc.

By HMH Date 09/30/25

Truss package engineering package as prepared by Carter Lumber, and sealed by their engineer, (Mr. Eric A. Gilbert, PE) was reviewed for compliance with building layout and assumed loading/ load-path, and found to be acceptable for the intended construction.

Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type
BM5	32-00-00	2.1 RigidLam SP LVL 1-3/4 x 11-7/8	3	3	FF
BM11	28-00-00	2.1 RigidLam SP LVL 1-3/4 x 11-7/8	2	2	FF
BM10	28-00-00	2.1 RigidLam SP LVL 1-3/4 x 11-7/8	3	3	FF
BM6	28-00-00	2.1 RigidLam SP LVL 1-3/4 x 11-7/8	3	3	FF
BM8	28-00-00	2.1 RigidLam SP LVL 1-3/4 x 11-7/8	3	3	FF
BM9	28-00-00	2.1 RigidLam SP LVL 1-3/4 x 11-7/8	3	3	FF
BM12	8-00-00	2.1 RigidLam SP LVL 1-3/4 x 11-7/8	2	2	FF
BM3	42-00-00	2.1 RigidLam SP LVL 1-3/4 x 16	3	3	FF
BM15	28-00-00	2.1 RigidLam SP LVL 1-3/4 x 16	3	3	FF
BM16	28-00-00	2.1 RigidLam SP LVL 1-3/4 x 16	3	3	FF
BM7	8-00-00	2.1 RigidLam SP LVL 1-3/4 x 16	3	3	FF
BM14	40-00-00	2.1 RigidLam SP LVL 1-3/4 x 24	4	4	FF

Hatch Legend

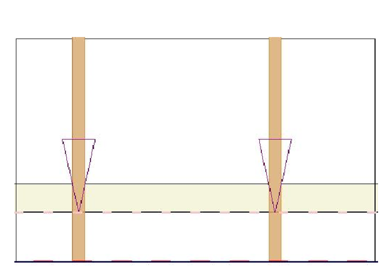
- VALLEY FRAMED BY OTHERS
- FRAMED BY OTHERS

Truss Connector Total List		
Manuf	Product	Qty
Simpson	HTU26-2	18
Simpson	LUS26	19
Simpson	One H2.5A	167

I USED 5-08 HEEL HEIGHT AND 1-04-00 CANTILEVER FOR ROOF TRUSS SYSTEM. PLEASE VERIFY.

PLEASE VERIFY ALL SIZE BEAM LVL AT PORCH AND HEADER GARAGE DOOR FOR THIS JOB.

ALL DIMENSIONS ARE FROM OUT FACE OF STUD TO OUT FACE OF STUD.



Truss Drawing Left End Indicator

PRELIMINARY - NOT FOR CONSTRUCTION

** TRIANGULAR SYMBOL NEAR END OF TRUSS INDICATES LEFT END OF TRUSS AS SHOWN ON INDIVIDUAL TRUSS DRAWINGS.

** PLUMBING DROPS NOTED ARE IN THE APPROXIMATE LOCATIONS PER PLAN. BUILDER TO VERIFY LOCATIONS BEFORE SETTING TRUSSES.

** REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY TO PLY CONNECTIONS.

** GIRDERS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS.

** DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH.

** All uplift connectors shown within these documents are recommendations only. Per ANSI/TPI 1, all uplift connectors are the responsibility of the bldg designer and or contractor.

Revisions	
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See Individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor systems and for the overall structure. The disign of the tuss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding the bracing, consult "Bracing of Wood Truss" available from the Truss Plate Institute, 583 D'Onifrio Drive: Madison, WI 53179

CARTER Lumber®

Johnny Faircloth

Garage

ROOF PLACEMENT PLAN

Scale: NTS

Date: 9/4/2025

Designer: NP

Project Number: 25080105

Sheet Number: 1/1