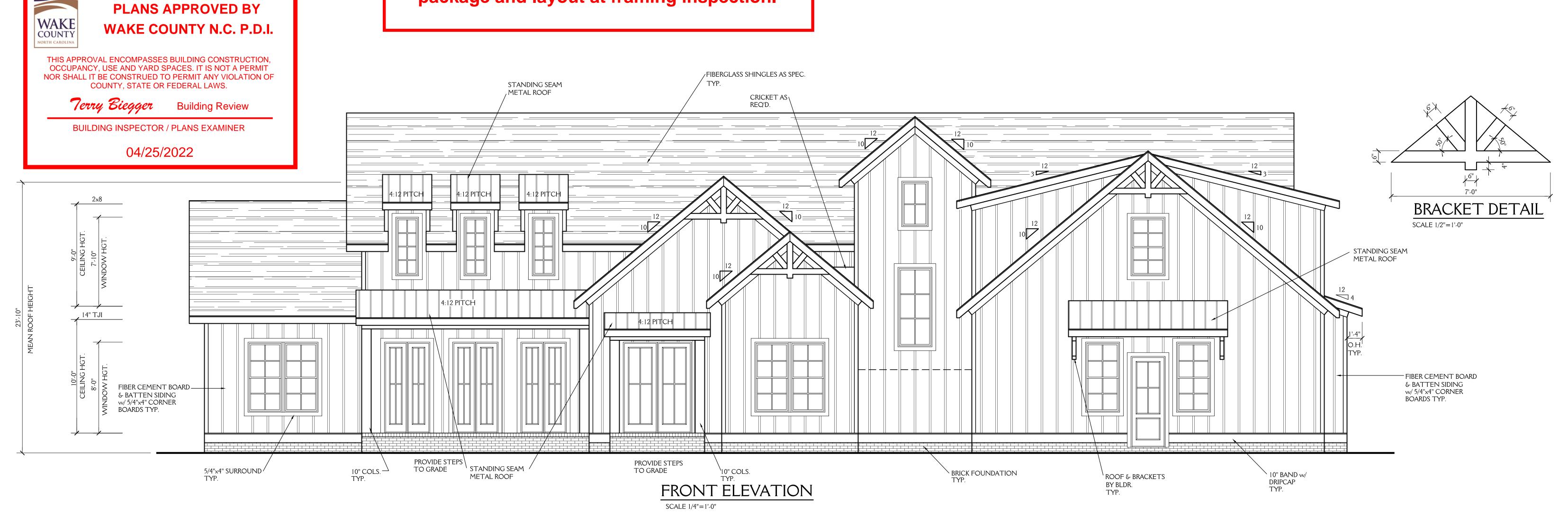
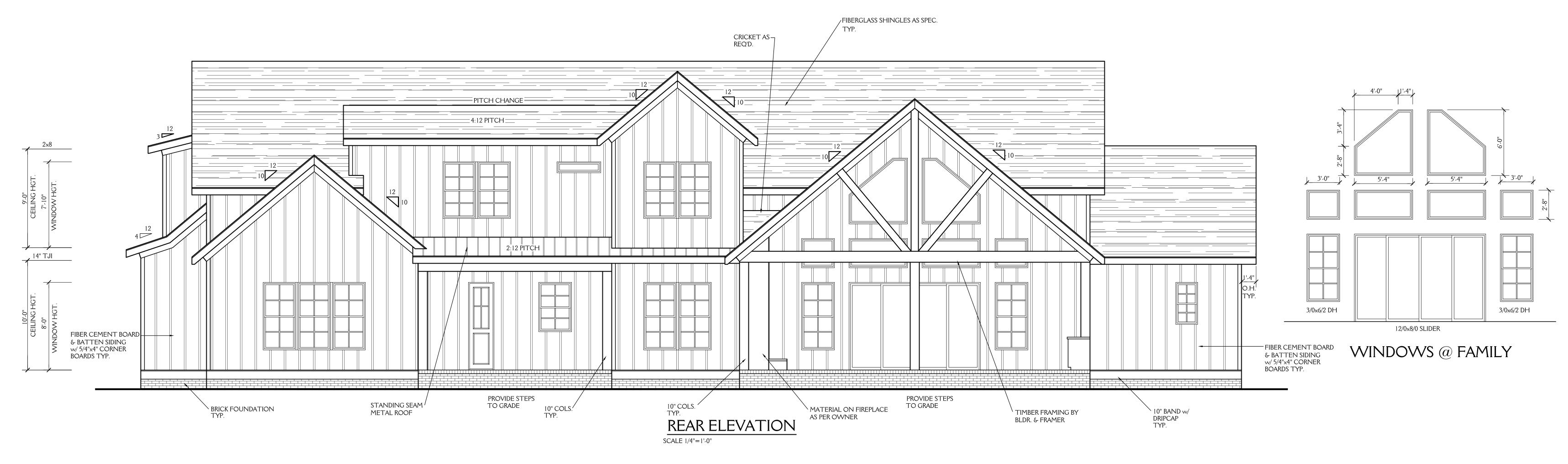
RBPR-077508-2022

Contractor is required to provide field building inspector engineered floor truss design package and layout at framing inspection.

ALL DIMENSIONS ARE TO BE VERIFIED BY OWNER/BUILDER
BEFORE CONSTRUCTION BEGINS. ONCE CONSTRUCTION HAS BEGUN,
DESIGNER IS RELEASED FROM ANY AND ALL LIABILITY ASSOCIATED
WITH THE CONSTRUCTION OF THIS CUSTOM RESIDENCE.
THIS PLAN IS DESIGNED UNDER THE 2018 NORTH CAROLINA
RESIDENTIAL CODE





PLANS DESIGNED TO THE 2018 NORTH CAROLINA RESIDENTIAL CODE
PLANS DESIGNED FOR MIN. 115 MPH 3 SECOND GUST (89 MPH FASTEST WIND), EXPOSURE B
ANCHOR BOLTS TO BE MIN. 1/2" DIAMETER & SHALL EXTEND A MINIMUM OF 7" INTO
MASONRY OR CONCRETE. ANCHOR BOLTS TO BE NO MORE THAN 6' O.C. AND WITHIN
12" OF THE CORNER.

MEAN ROOF HEIGHT = < 30'-0"

COMPONENT & CLADDING FOR THESE PLANS SHALL BE DESIGNED TO MEET SECTION R301.2.1, TABLE R301.2(2) AND R301.2(6) ADJUSTED FOR MEAN ROOF HEIGHT AND EXPOSURE.

MINIMUM VALUES FOR ENERGY COMPLIANCE:

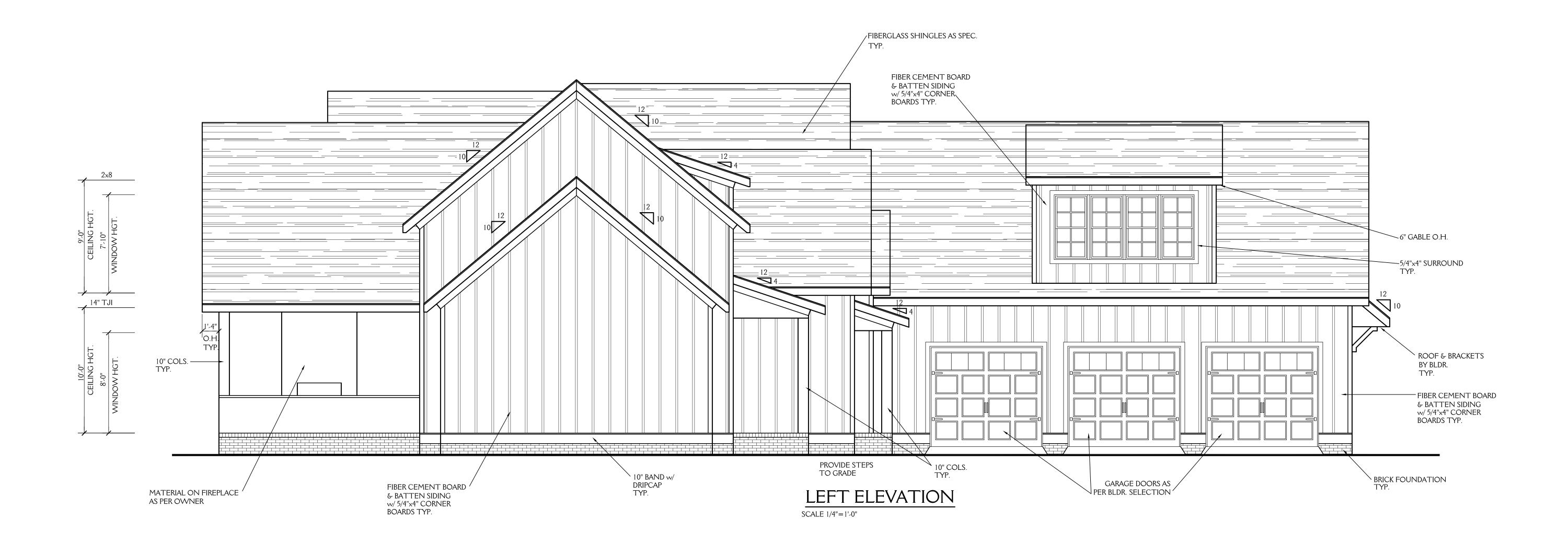
ZONE 4 MAX GLAZING U-FACTOR = 0.35 CEILING R-38 WALLS R-15 FLOORS R-19, SLABS R-10

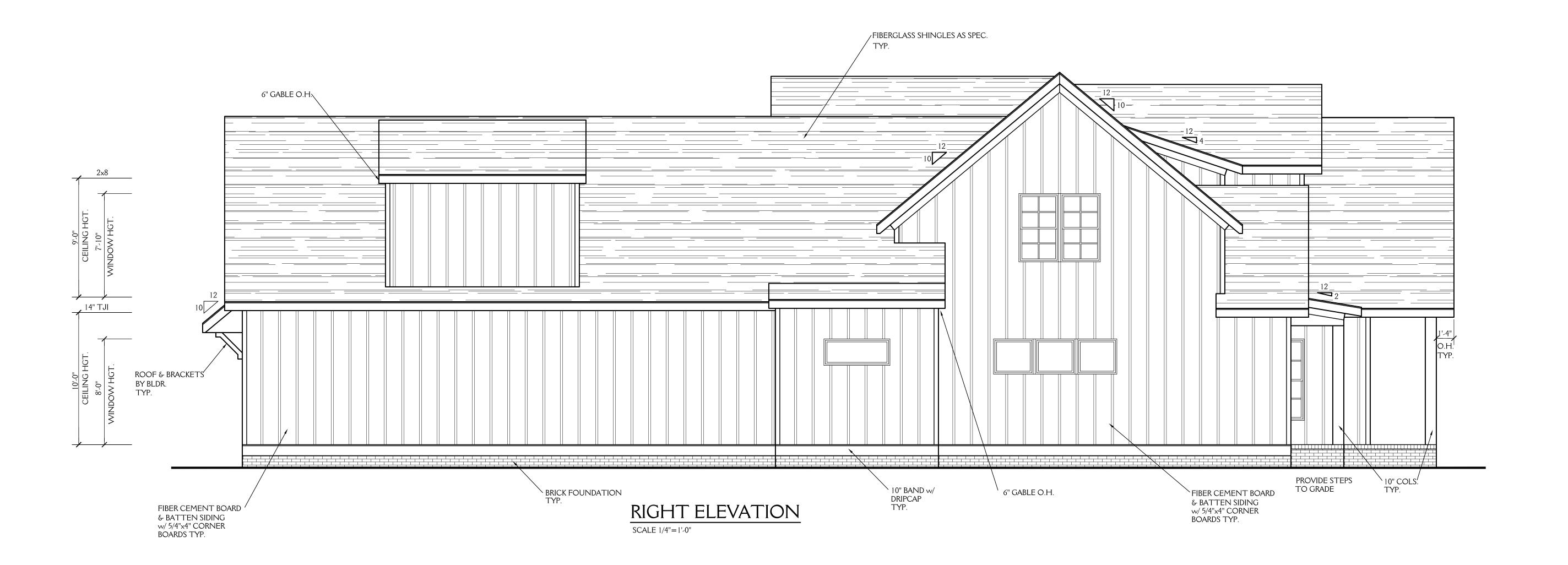
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J&W CUSTOM HOMES						
	SHEET 1					
DRAWN BY:	JD	DATE:	4-17-22]] OF 6		
REVISIONS:				PROJECT NO.		
				2208		

ALL DIMENSIONS ARE TO BE VERIFIED BY OWNER/BUILDER NOTE:

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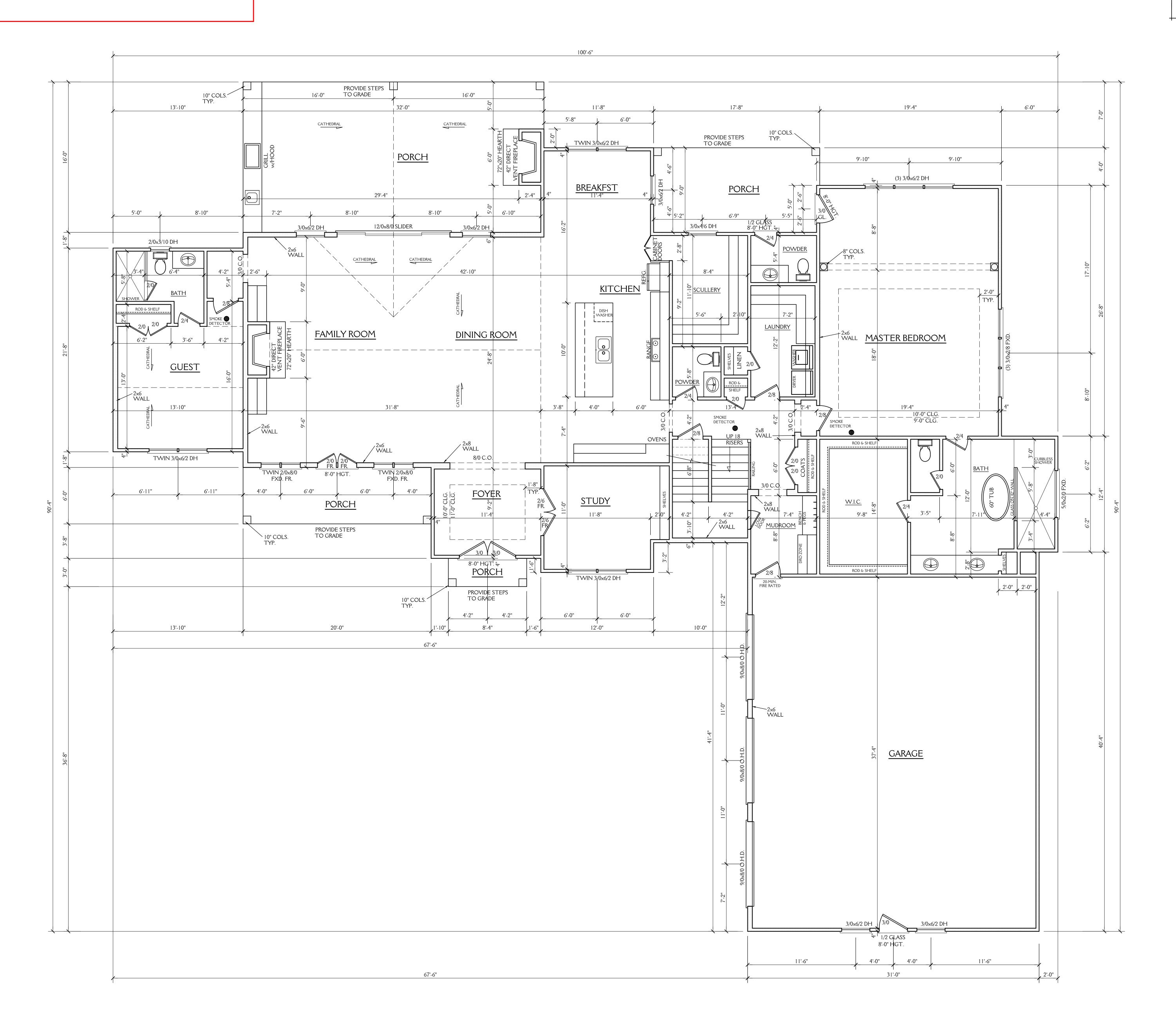




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J&W CUSTOM HOMES					
	SHEET 2				
DRAWN BY:	JD	DATE:	4-17-22	OF 6	
REVISIONS:				PROJECT NO.	
				2208	

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 3244 SQ FT HTD (1ST FLOOR)
 811 SQ FT (PORCHES)

 2377 SQ FT HTD (2ND FLOOR)
 1168 SQ FT (GARAGE)

 5638 SQ FT HTD TOTAL
 1979 UNHEATED TOTAL

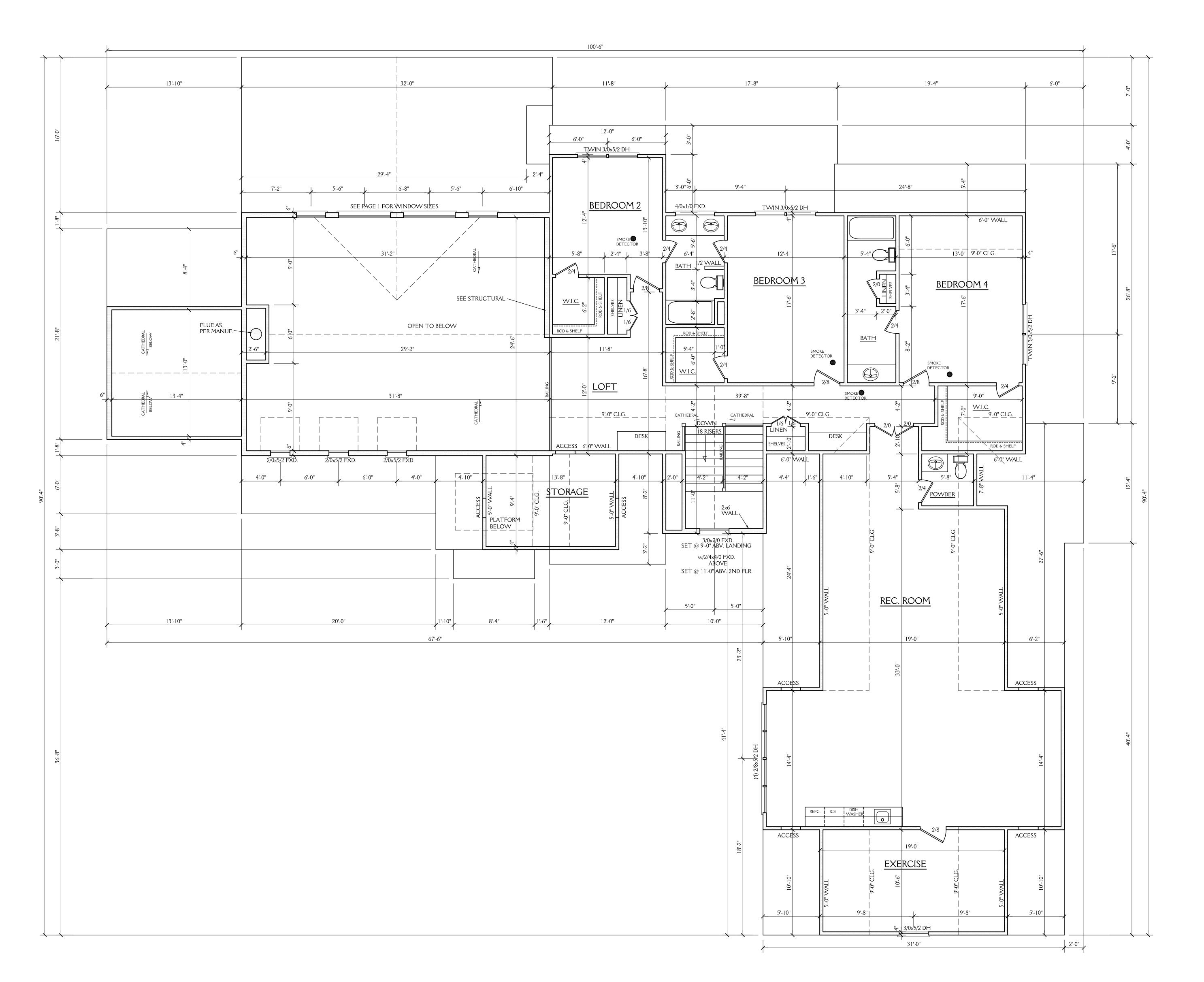
FIRST FLOOR PLAN

SCALE 1/4"=1'-0" 10'-0" CLG. HGT. SET WINDOWS AT 8'-0" AFF NOTE: ALL DOORS AND C.O. 8'-0" HGT.

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J&W CUSTOM HOMES					
WELLS RESIDENCE				SHEET	
DRAWN BY:	JD	DATE:	4-17-22	OF 6	
revisions:				PROJECT NO 2208	

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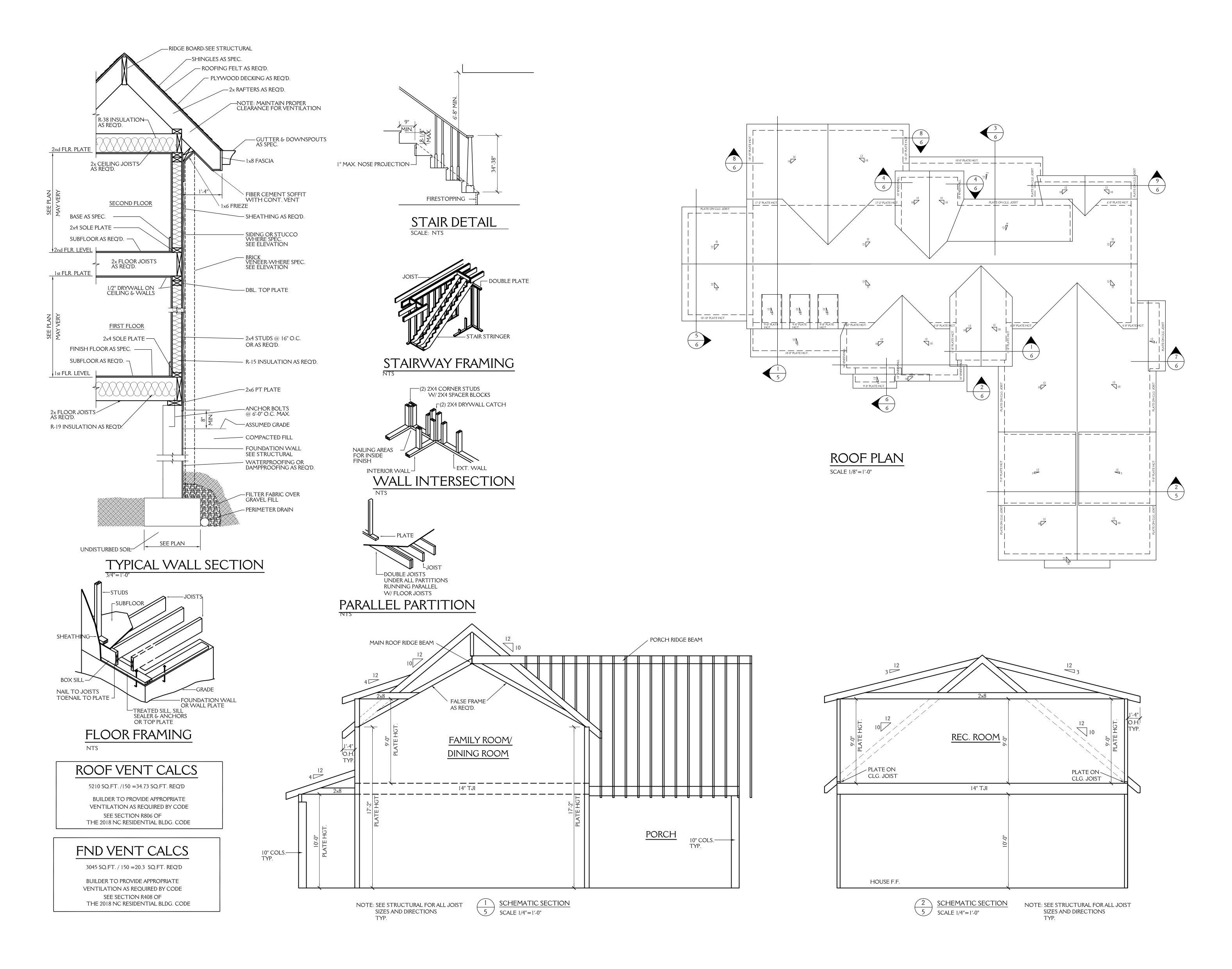
SECOND FLOOR PLAN

SCALE 1/4"=1'^0" 9'~0" CLG. HGT. SET WINDOWS AT 7'~10" AFF U.N.O.

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J&W CUSTOM HOMES					
	SHEET				
DRAVVN BY:	JD	DATE:	4-17-22	OF 6	
revisions:				PROJECT NO. 2208	

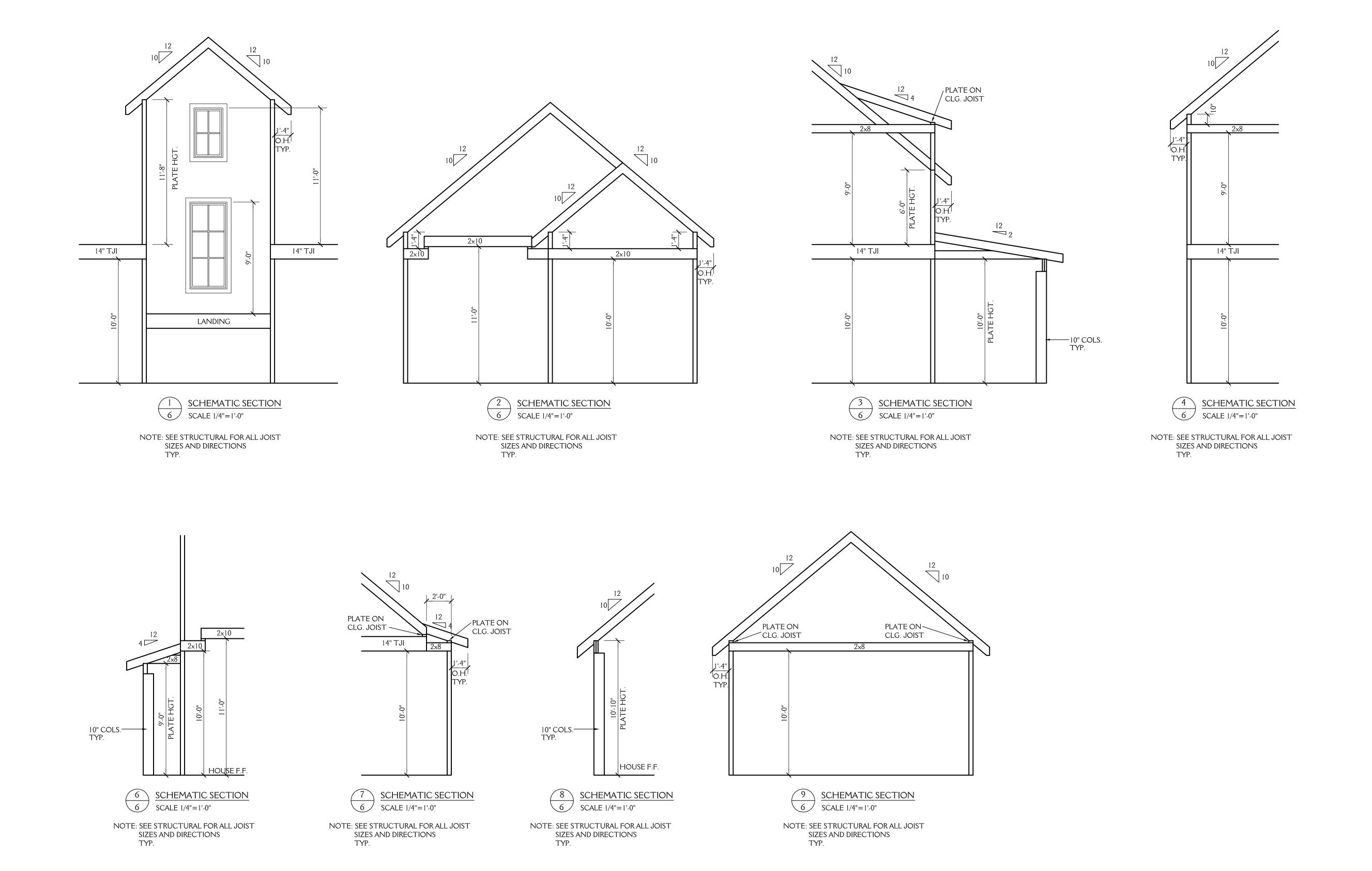
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"THE HUDSON"				
J&W	CUS	STO	м но	MES
	WELLS RE	SIDENCE		SHEET 5
DRAWN BY:	JD	DATE:	4-17-22	OF 6
REVISIONS:				PROJECT NO.

ALL DIMENSIONS ARE TO BE VERIFIED BY OWNER/BUILDER
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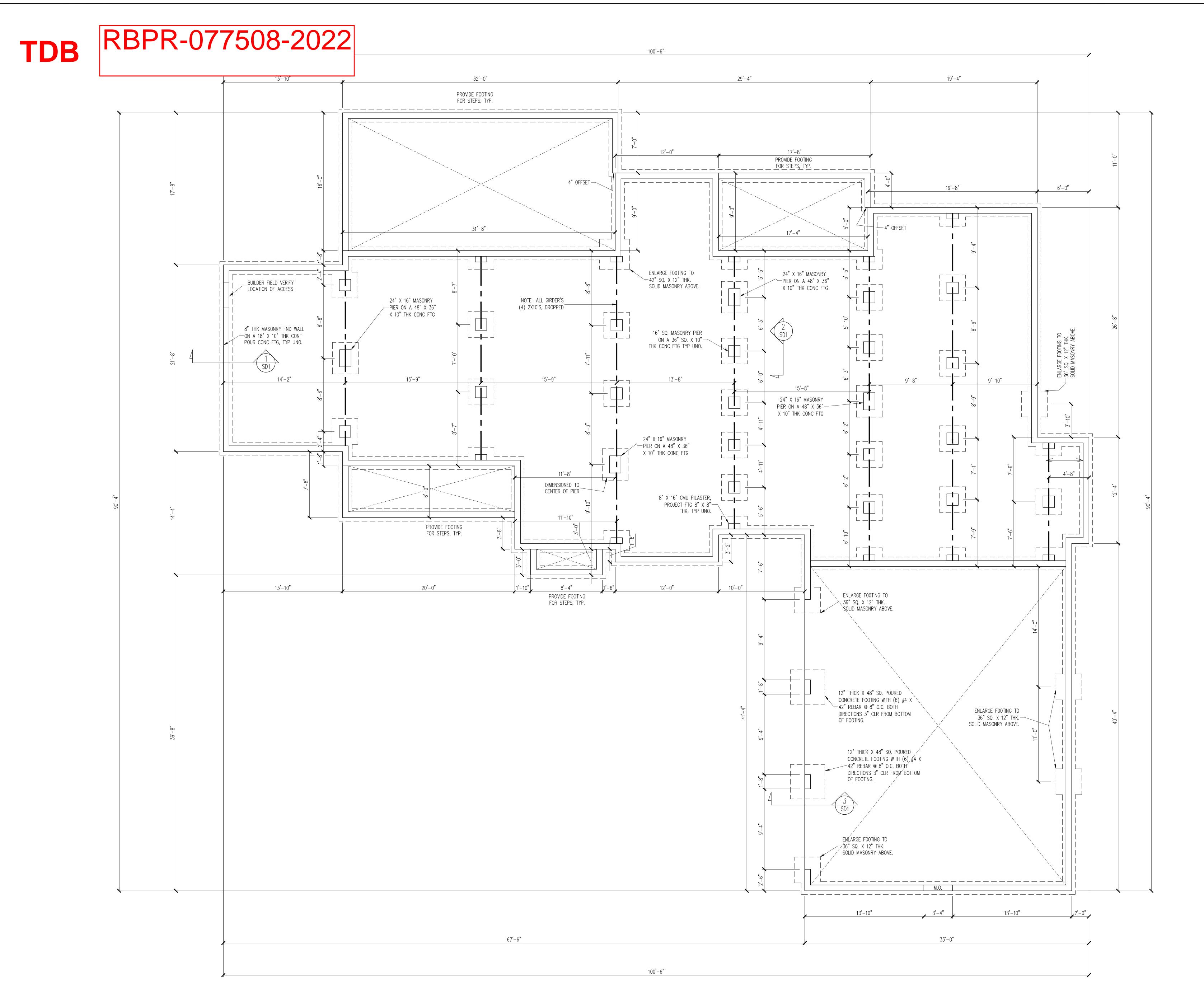


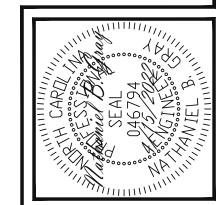
1'-4" O.H. TYP.	PLATE ON CLG. JOIST 2x8		10-10" PLATE HGT.	
	(5 SCHEMATIC SE SCALE 1/4"=1'-0"	CTION	

NOTE: SEE STRUCTURAL FOR ALL JOIST SIZES AND DIRECTIONS TYP.

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J&W	CUS	STO	MHC	MES
	WELLS RE	SIDENCE		SHEET
DRAVVN BY:	JD	DATE:	4-17-22]
REVISIONS:				PROJECT NO
				2208





CONSTRUCTION SPECIFICATIONS INSTANT REFERENCES REFER TO THE CONSTRUCTION SPECIFICATIONS

SECTIONS FOR THE FOLLOWING INFORMATION:

PART 1.01: CURRENT GOVERNING CODE

PART 14: <u>STUD SUPPORT FOR BEAMS</u>

PART 16.02: GENERAL WALL BRACING NOTES PART 17: KING STUDS FOR EXTERIOR

SEE DETAIL / CONSTRUCTION SPECIFICATIONS SHEETS FOR I-JOISTS ALLOWABLE SUBSTITUTIONS

-HEIGHT AND BACKFILL LIMITATIONS FOR FOUNDATION WALLS ARE TO BE GOVERNED BY THE NCSBC, LATEST EDITION. -14" SQ POURED CONC PIERS OR 16" Ø POURED CONC PIERS MAY BE USED IN LIEU

OF 16" SQ MASONRY PIERS. FOUNDATION PLAN

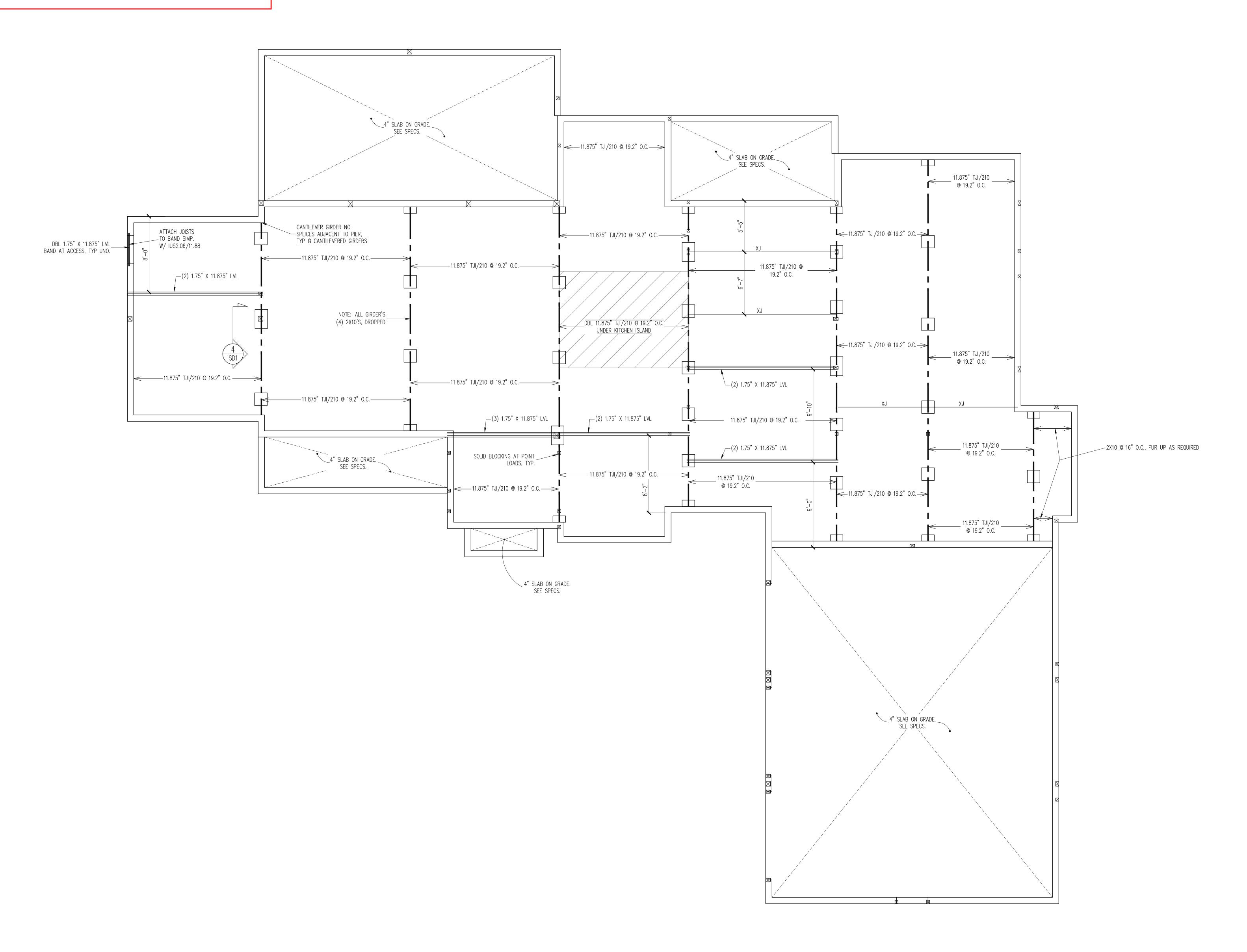
SHEET NO.

ENG: NBG/CR

DATE: 4/15/2022

PROJECT NO.

22-17-015



NGINEERS

NGINEE

Ingineering STRUCTURAL ENGINEERS
License No. C-3870
318 W Millbrook Rd. Unit 201
ASSOCIATES, P.A. Phone (919) 844-1661

J&W CUSTOM HOMES

STRUCTRUAL ABENDUM

EASANT UNION CHURCH RD

REV # REF PROJ # DATE

ENG: NBG/CR DATE: 4/15/2022

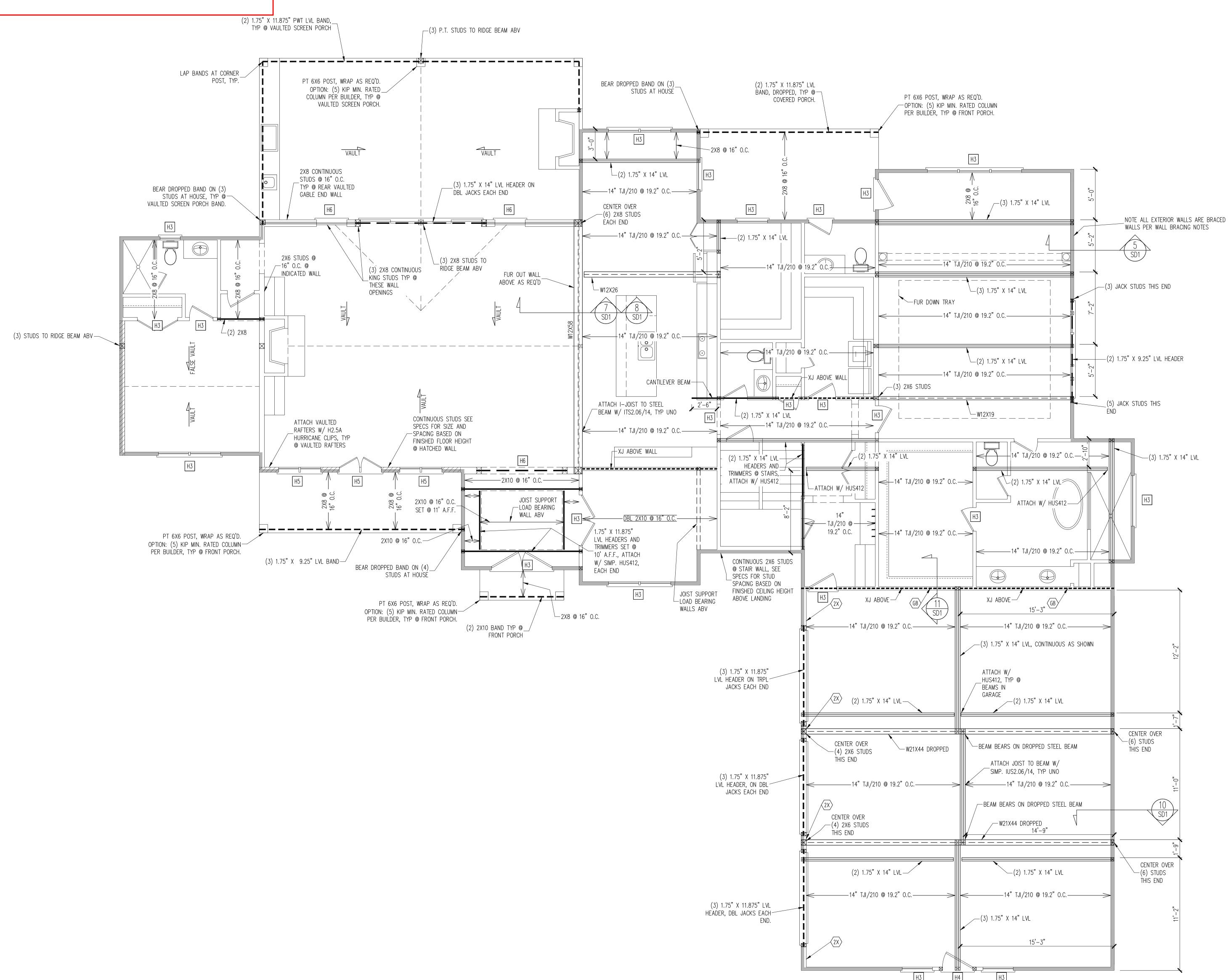
PROJECT NO. 22-17-015

PACE FRAMING PLAN

SHEET NO.

\$2

CRAWLSPACE FRAMING PLAN



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ES. P.A.

STRUCTURAL ENGIN
License No. G.
318 W Millbrook Rd. Uni
Ach Raleigh, North Carolina 2
Phone (919) 844

WALL BRACING

FIRST FLOOR ONLY

CS - ALL EXTERIOR STUD WALLS, EXTERIOR SIDE, 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.

SHADED WALLS:

WSP ONE SIDE OF INTERIOR WALL OR INSIDE OF EXTERIOR WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING. ATTACH WSP TO STUD WALL WITH 8d NAILS @ 4" O.C. AT PANEL EDGES, 8" O.C. IN PANEL FIELD.

GB INTERIOR BRACED WALL. 1/2" GB SECURED
PER TABLE R602.10.2 OF THE 2012 NCRBC.
(FASTENERS @ 7" O.C.) BOTH SIDES OF WALL,
OR (FASTENERS @ 4" O.C.) ONE SIDE OF
WALL AT STAIRS

SHEATH BOTH SIDES OF STUD WALL WITH $\frac{7}{16}$ APA RATED OSB, NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD

NOTES:
-PROVIDED CONTINUOUS SHEATHING = 384' MIN.

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 (3) 2X10'S ON SINGLE JACKS

H6 (4) 2X10'S ON SINGLE 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.

WALLS ARE NOT LABELED.

NOTES:
-HEADERS IN NON LOAD BEARING INTERIOR

1ST FLOOR FRAMING PLAN

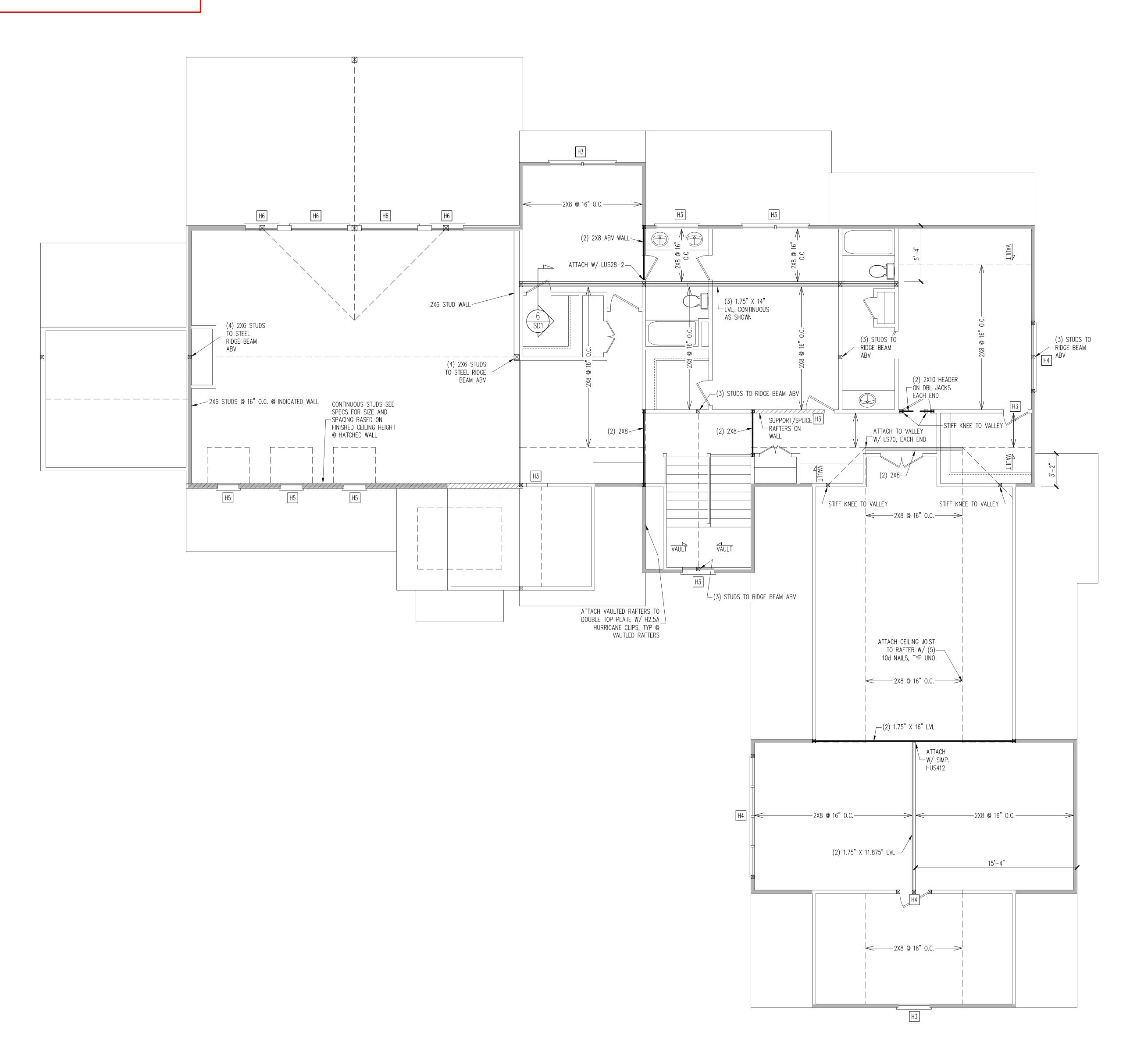
 $\frac{- \text{MANNING PLAIN}}{\text{WALLS AND CEILING } 1/4" = 1'-0"}$

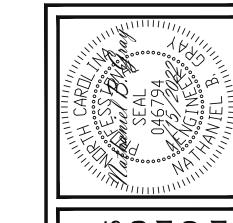
22-17-015 SHEET NO. \$3

PROJECT NO.

ENG: NBG/CR

DATE: 4/15/2022





-PROVIDED CONTINUOUS SHEATHING = 210' MIN.

WALL BRACING SECOND FLOOR ONLY

CS - ALL EXTERIOR STUD WALLS, EXTERIOR SIDE,
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.

HEADER SCHEDULE

NO INTERIOR BRACED WALLS REQUIRED

H1 SINGLE 2X4 TURNED FLAT (A)

IN PANEL FIELD.

SHADED WALLS:

- 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 (3) 2X10'S ON SINGLE 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.
- -HEADERS IN NON LOAD BEARING INTERIOR

WALLS ARE NOT LABELED. 2ND FLOOR FRAMING PLAN

SHEET NO. WALLS AND CEILING 1/4" = 1'-0"

4 of 6

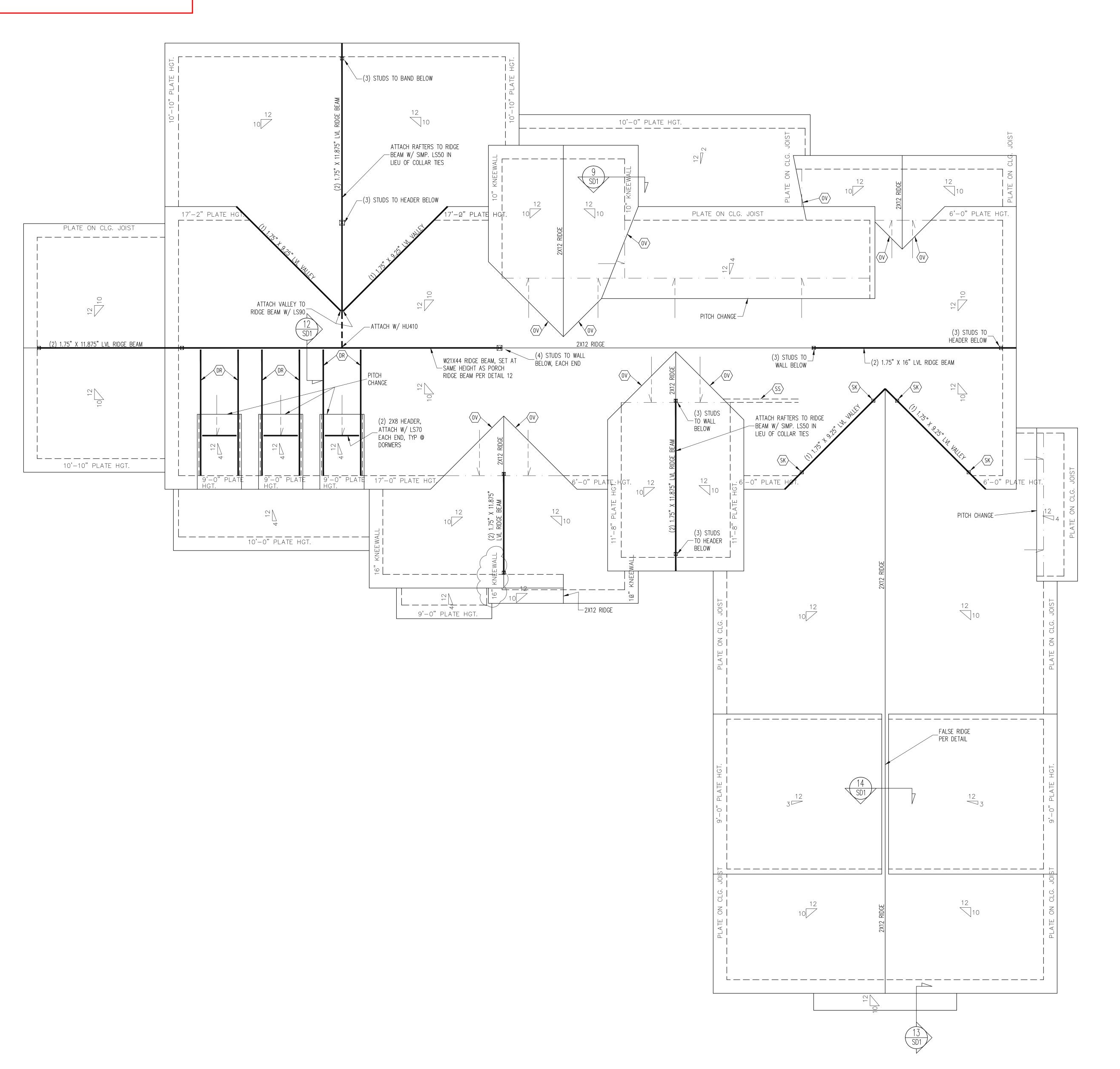
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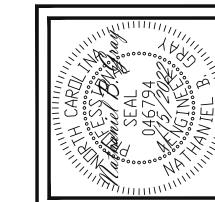
DATE: 4/15/2022

PROJECT NO.

22-17-015

RBPR-077508-2022





ENG: NBG/CR DATE: 4/15/2022

PROJECT NO. 22-17-015

SHEET NO. ROOF FRAMING PLAN

FRAMING NOTES

-COMMON RAFTERS 2X8 @ 16" O.C. TYP U.N.O. -COLLAR TIES 2X4 EVERY 3RD SET OF RAFTERS TYP U.N.O.

FRAMING SCHEDULE

XX OVERFRAME VALLEY (2X10 SLEEPER)

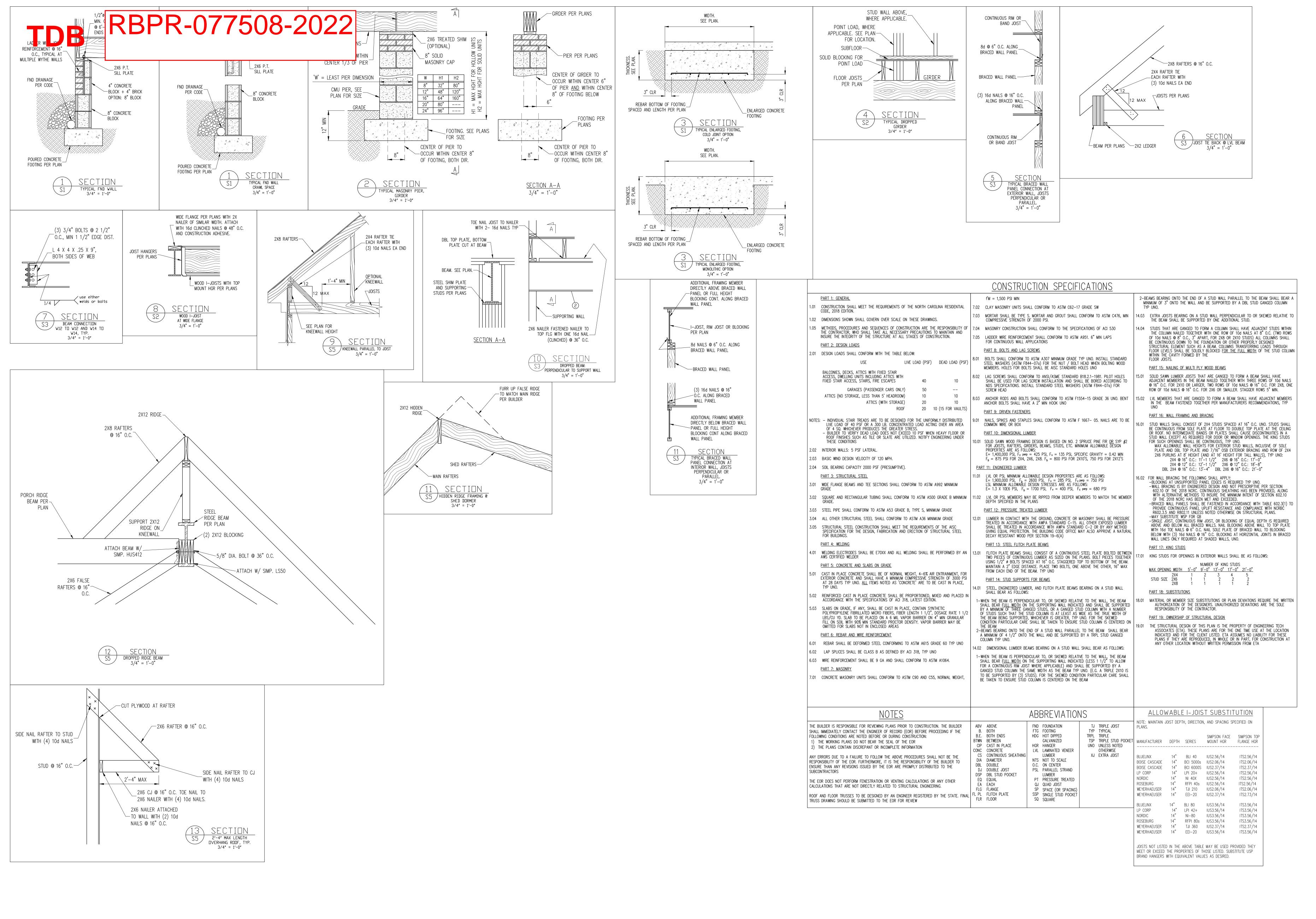
XX SUPPORT/SPLICE RAFTERS ON KNEEWALL BELOW

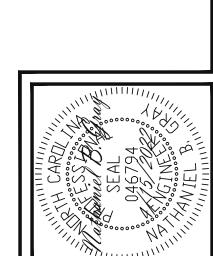
XX SUPPORT/SPLICE RAFTERS ON BEAM BELOW

XX SUPPORT BRICK VENEER PER SECT 703.7 OF

XXX STIFF KNEE (DBL 2X4)

THE NCRC





STRUCTURAL ENGINEERS
License No. C-3870
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3th Raleigh, North Carolina 27609
P.A. Phone (919) 844-1661

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318 W Millbi
ASSOCIATES B A Pho

PE. STRUCTRUAL ABENDUM

C. PLEASANT UNION CHURCH RD

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ENG: NBG/CR DATE: 4/15/2022

PROJECT NO. 22-17-015

SHEET NO.