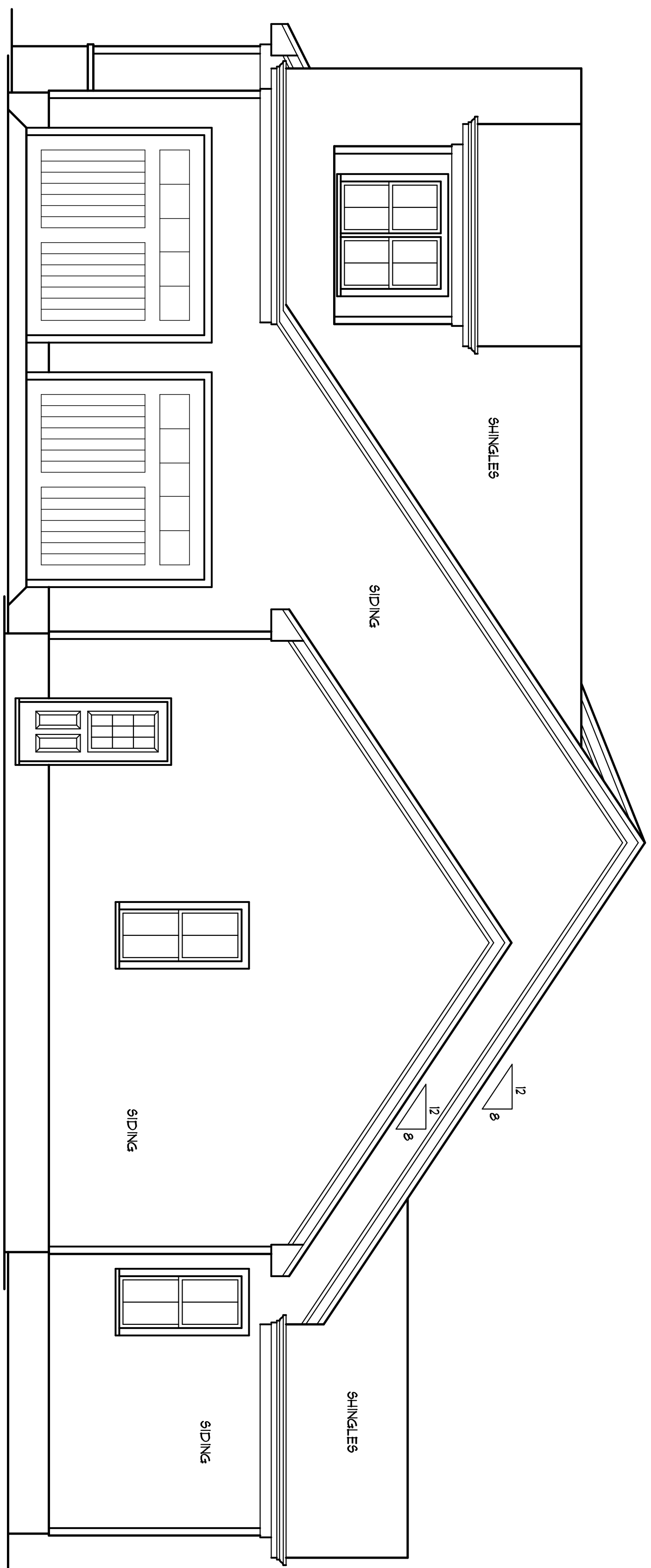
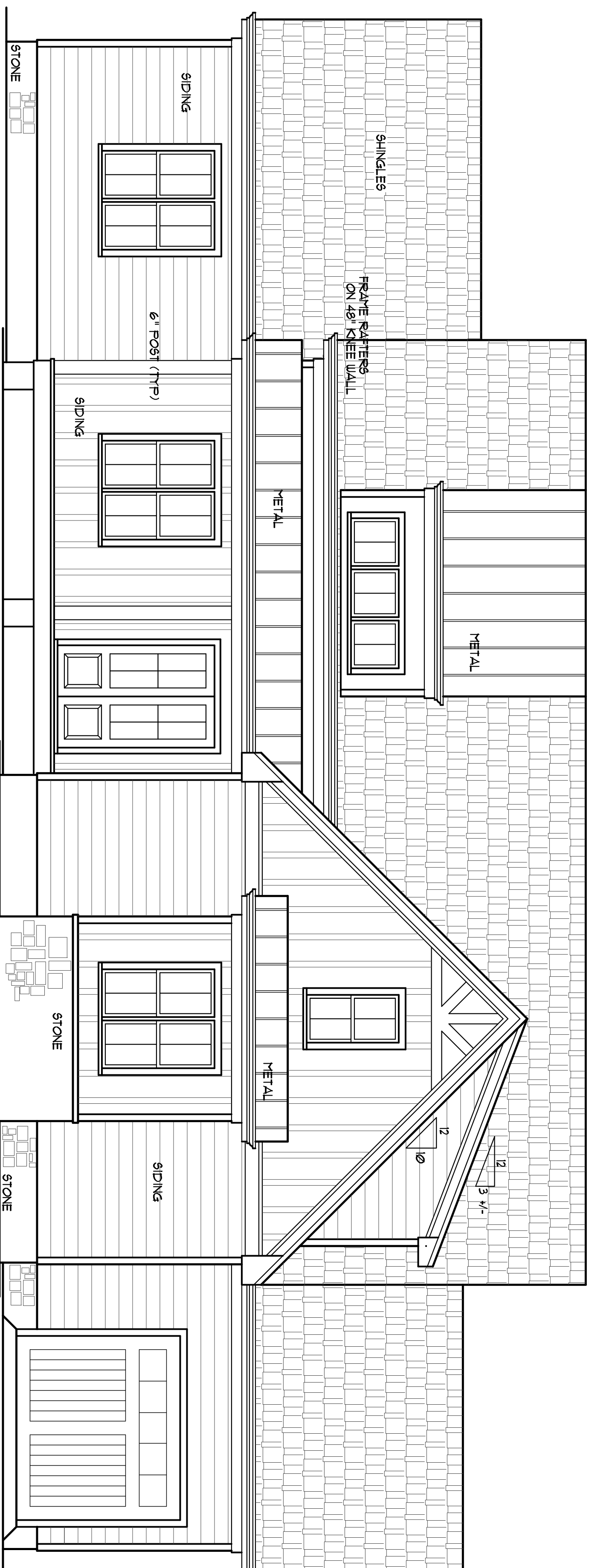


BUILDER SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT TIME OF CONSTRUCTION.
 ALL CONSTRUCTION SHALL CONFORM TO THE 2018 EDITION OF THE NC STATE BUILDING CODE. CODES GOVERN OVER DRAWINGS. DIMENSIONS GOVERN OVER SCALE.
 VERIFY ALL MECHANICAL REQUIREMENTS BEFORE FINISHING.
 YUNCANNON DESIGNS DOES NOT ASSUME LIABILITY FOR ANY DEVIATION OF OR CONSTRUCTION METHODS OF THESE PLANS.



RIGHT SIDE ELEV.
 SCALE: 1/4" = 1'-0"



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

NOTICE TO CONTRACTOR
 All construction must comply with Current NC Building Codes and is subject to field inspection and verification.

APPROVED
 Limited building only review.
 Permit holder responsible for full compliance with the code.

01/20/2022



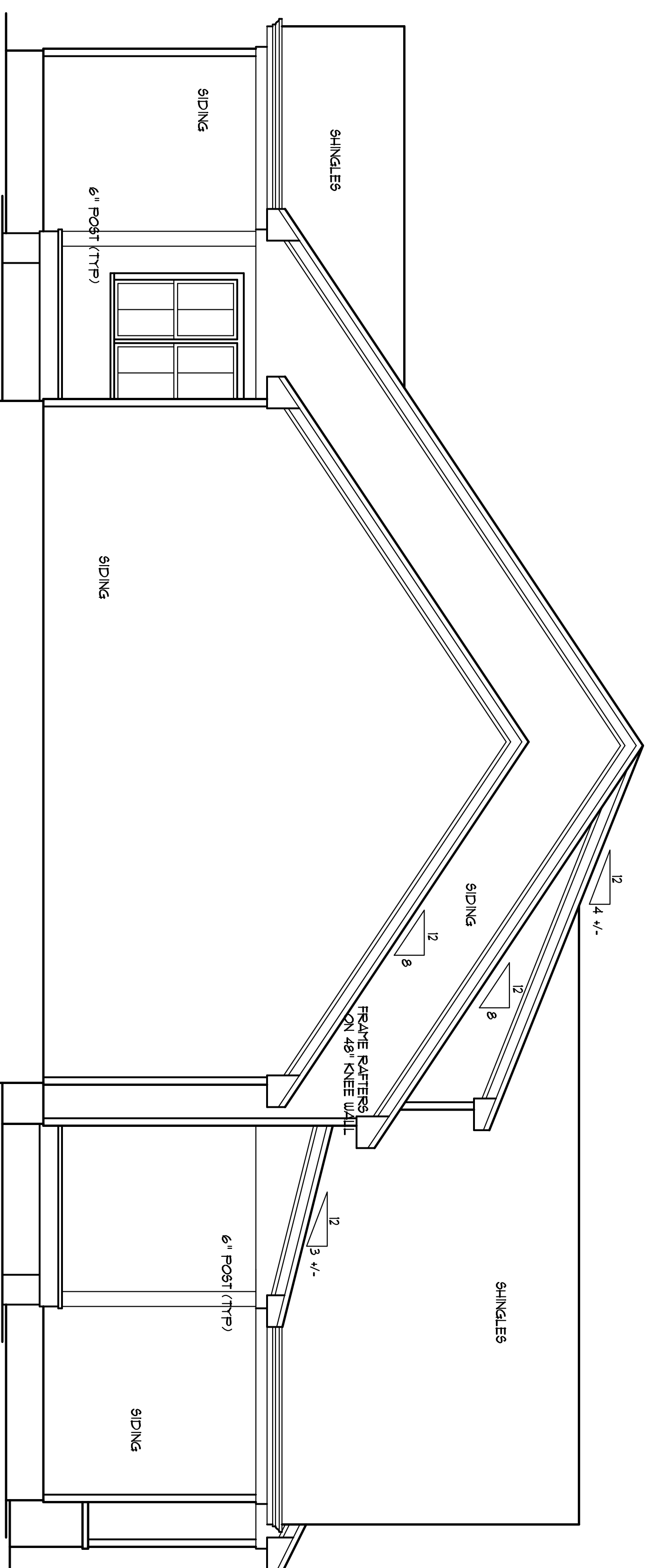

Field verify egress window sizing. Typically, double hung 4/6 windows will not open to the minimum height required by NCR 2018.

Plan No 1920-10

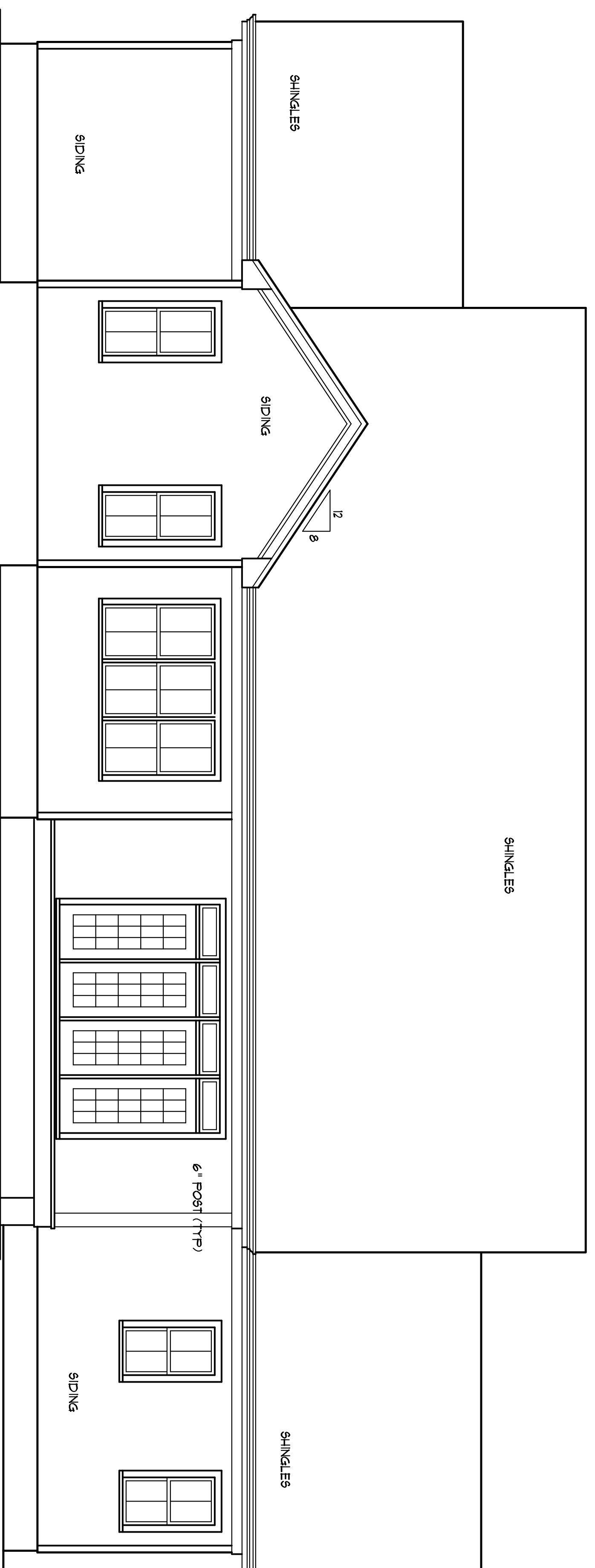
SHEET A-1	YUNCANNON DESIGNS CUSTOM HOME PLANS FUQUAY-VARINA, NC - (919) 421-1374	Mitchell/April Womack Old Buies Creek Rd Buies Creek, NC
---------------------	---	--

DRAWN BY : JUV
 CKD BY : JUV
 DATE : 09/15/21
 REVISIONS :

BUILDER SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT TIME OF CONSTRUCTION.
 ALL CONSTRUCTION SHALL CONFORM TO THE 2018 EDITION OF THE NC STATE BUILDING CODE. CODES GOVERN OVER DRAWINGS. DIMENSIONS GOVERN OVER SCALE.
 VERIFY ALL MECHANICAL REQUIREMENTS BEFORE FINISHING.
 YUNCANNON DESIGNS DOES NOT ASSUME LIABILITY FOR ANY DEVIATION OF OR CONSTRUCTION METHODS OF THESE PLANS.



LEFT SIDE ELEV.
 SCALE: 1/4" = 1'-0"



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

Mitchell/April Womack
 Old Buies Creek Rd
 Buies Creek, NC

YUNCANNON DESIGNS
 CUSTOM HOME PLANS
 FUQUAY-VARINA, NC - (919) 421-1314

DRAWN BY : JRV
 CKD BY : JRV
 DATE : 09/15/21
 REVISIONS :

Plan No 1920-10

SHEET
 A-2

BUILDER SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT TIME OF CONSTRUCTION.

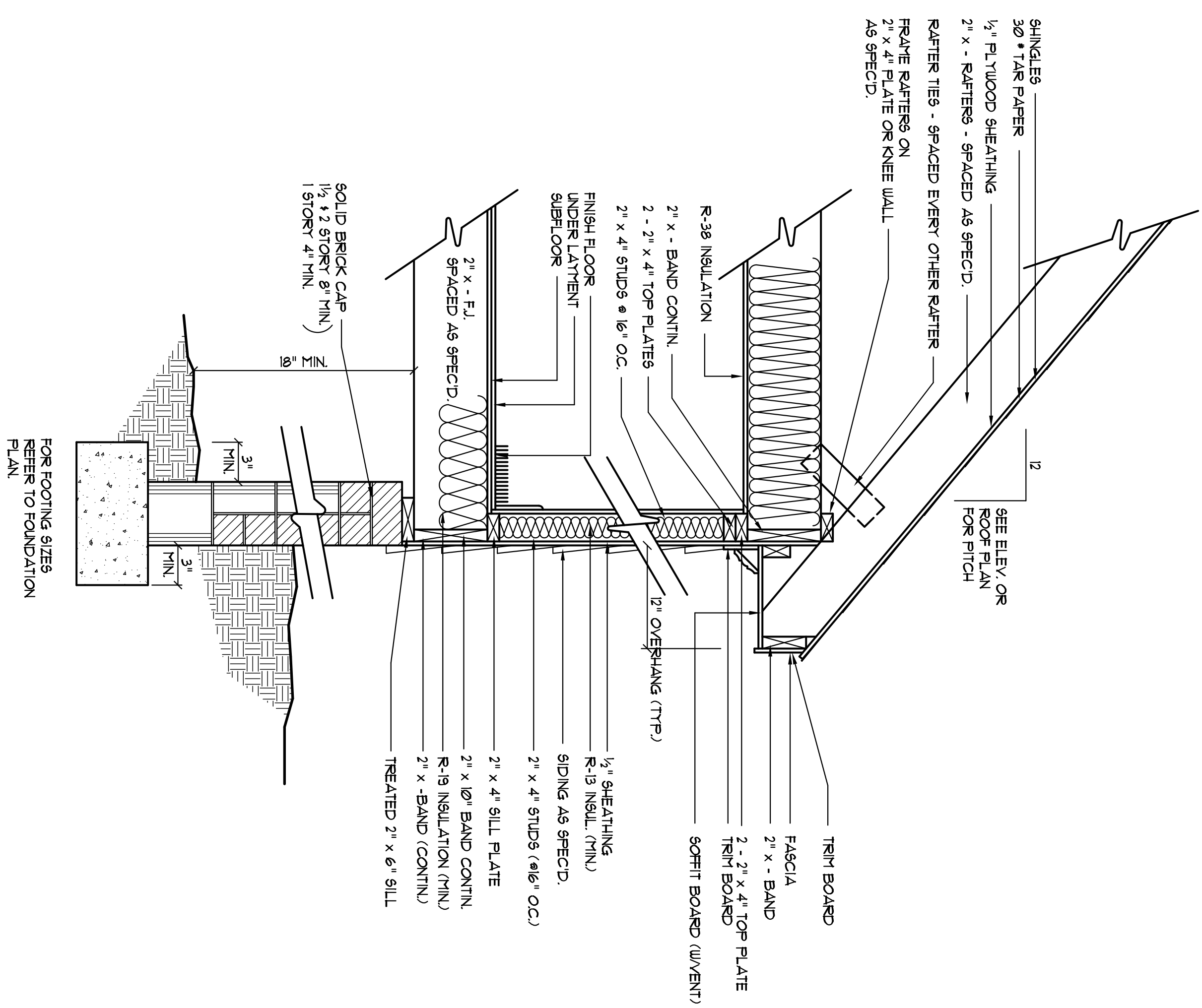
ALL CONSTRUCTION SHALL CONFORM TO THE 2018 EDITION OF THE NC STATE BUILDING CODE.

CODES GOVERN OVER DRAWINGS.

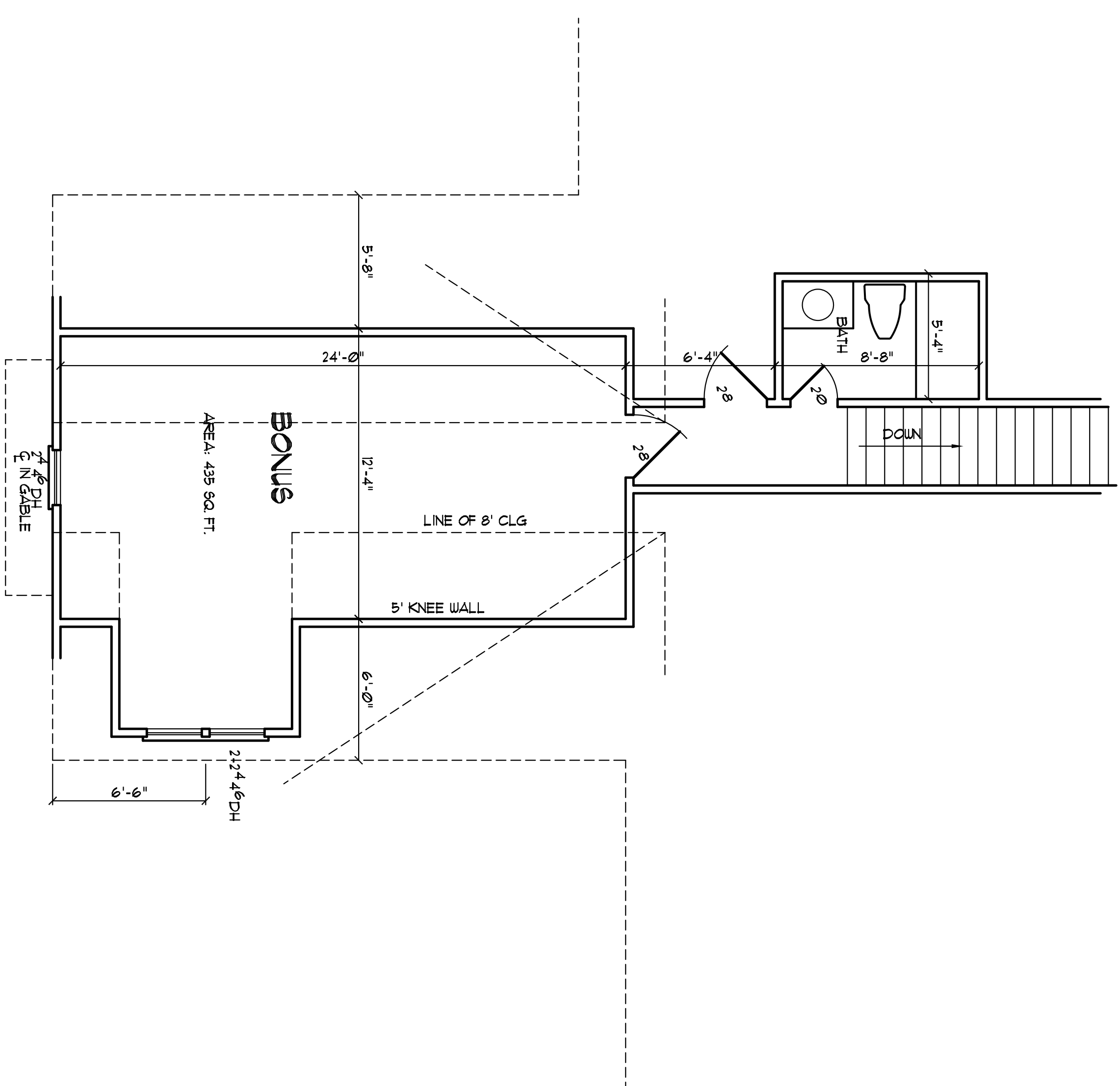
DIMENSIONS GOVERN OVER SCALE.

VERIFY ALL MECHANICAL REQUIREMENTS BEFORE FINISHING.

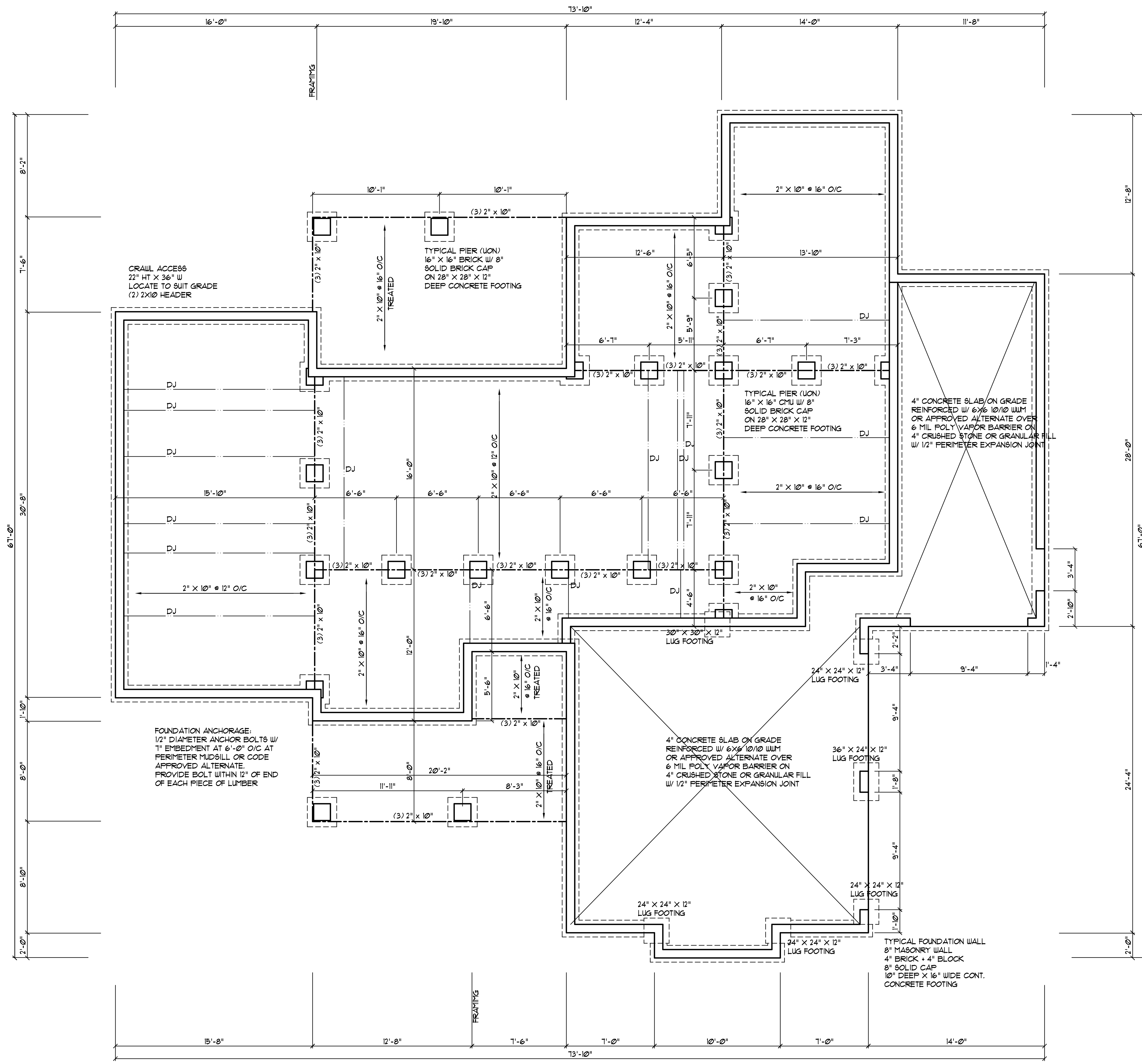
MANCANNON DESIGNS DOES NOT ASSUME LIABILITY FOR ANY DEVIATION OF OR CONSTRUCTION METHODS OF THESE PLANS.



EXTERIOR WALL SECTION
SCALE: NTS



Plan No 1920-10



GENERAL FOUNDATION NOTES:

1. THIS PLAN DESIGNED IN ACCORDANCE WITH NC RESIDENTIAL CODE, 2018 EDITION.
2. EXTERIOR WALL FOOTING WHERE NOTED TO BE 16" X 10" 3000 PSI STRUCTURAL CONCRETE UNLESS OTHERWISE NOTED. CONCRETE TO BE PREPARED AND PLACED IN ACCORDANCE WITH ACI 318. FOR FOUNDATION WALL HEIGHT, THICKNESS AND BACKFILL REQUIREMENTS, REFER TO STATE AND LOCAL BUILDING CODES. NOTE: ASSUMED SOIL BEARING CAPACITY=2000 PSF. CONTRACTOR MUST VERIFY CONDITIONS AND CONTACT SOIL ENGINEER IF MARGINAL OR UNSTABLE SOILS ARE ENCOUNTERED.
3. FOOTINGS TO BEAR ON UNDISTURBED EARTH A MIN. OF 12" BELOW ADJACENT FINISH GRADE OR AS OTHERWISE DIRECTED BY LOCAL INSPECTOR.
4. FOUNDATION DRAINAGE SHALL BE IN ACCORDANCE WITH SECTION R405 OF THE CODE "FOUNDATION DRAINAGE".
5. THE FOUNDATION SHALL BE TREATED IN ACCORDANCE W/SECTION R406 OF THE CODE "FOUNDATION WATERPROOFING AND DAMPPROOFING".
6. THIS FOUNDATION DESIGN IS VALID FOR 115 MPH WIND ZONES ONLY.
7. FOUNDATION WALLS SHALL BE 8" BLOCK UNLESS NOTED OTHERWISE.

INDICATES POINT LOAD ABOVE

CRAWL SPACE VENTILATION

PROVIDE AT LEAST 10 SQ. FT. NET FREE VENTILATION AREA FOR EACH 150 SQ. FT. OF CRAWL SPACE

CRAWL SPACE AREA:
1920 / 150 = 12.8 SQ. FT. REQ'D.

REDUCE REQUIRED AREA TO 10 SQ. FT. NET FREE VENTILATION AREA FOR EACH 1500 SQ. FT. OF CRAWL SPACE WITH APPROVED VAPOR BARRIER

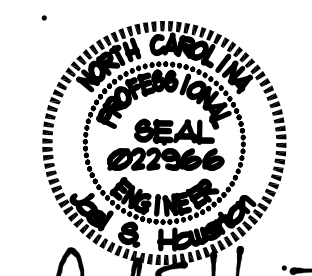
PROVIDE (1) VENT WITHIN 3'-0" OF EACH CORNER

REFER TO MANUFACTURER SPECIFICATIONS FOR ACTUAL VENTS USED TO DETERMINE NUMBER OF VENTS REQUIRED

STRUCTURAL EVALUATION BY:

HOWERTON SERVICES, PLLC
3513 CATHEDRAL BELL ROAD RALEIGH, NC 27614
LICENSE P-1716

- * ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS ON THIS DOCUMENT. SEAL DOES NOT INCLUDE CONSTRUCTION REVIEW, MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS.
- * ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE BROUGHT TO IMMEDIATE ATTENTION OF THE ENGINEER. FAILURE TO DO SO WILL VOID ENGINEER'S LIABILITY.
- * DO NOT SCALE THESE DRAWINGS - ENGINEERING APPROVAL EXPIRES 10/01/2022



09 16 2021

S1 FOUNDATION
1/4"=1'-0"

Plan No 1920-10

STRUCTURAL EVALUATION BY:
HOWERTON SERVICES, PLLC
3513 CATHEDRAL BELL
RD., RALEIGH N.C. 27614

BUILDING DESIGN BY:
VUNCANNON DESIGNS

Mitchell/April Womack
Old Buies Creek Rd
Buies Creek, NC

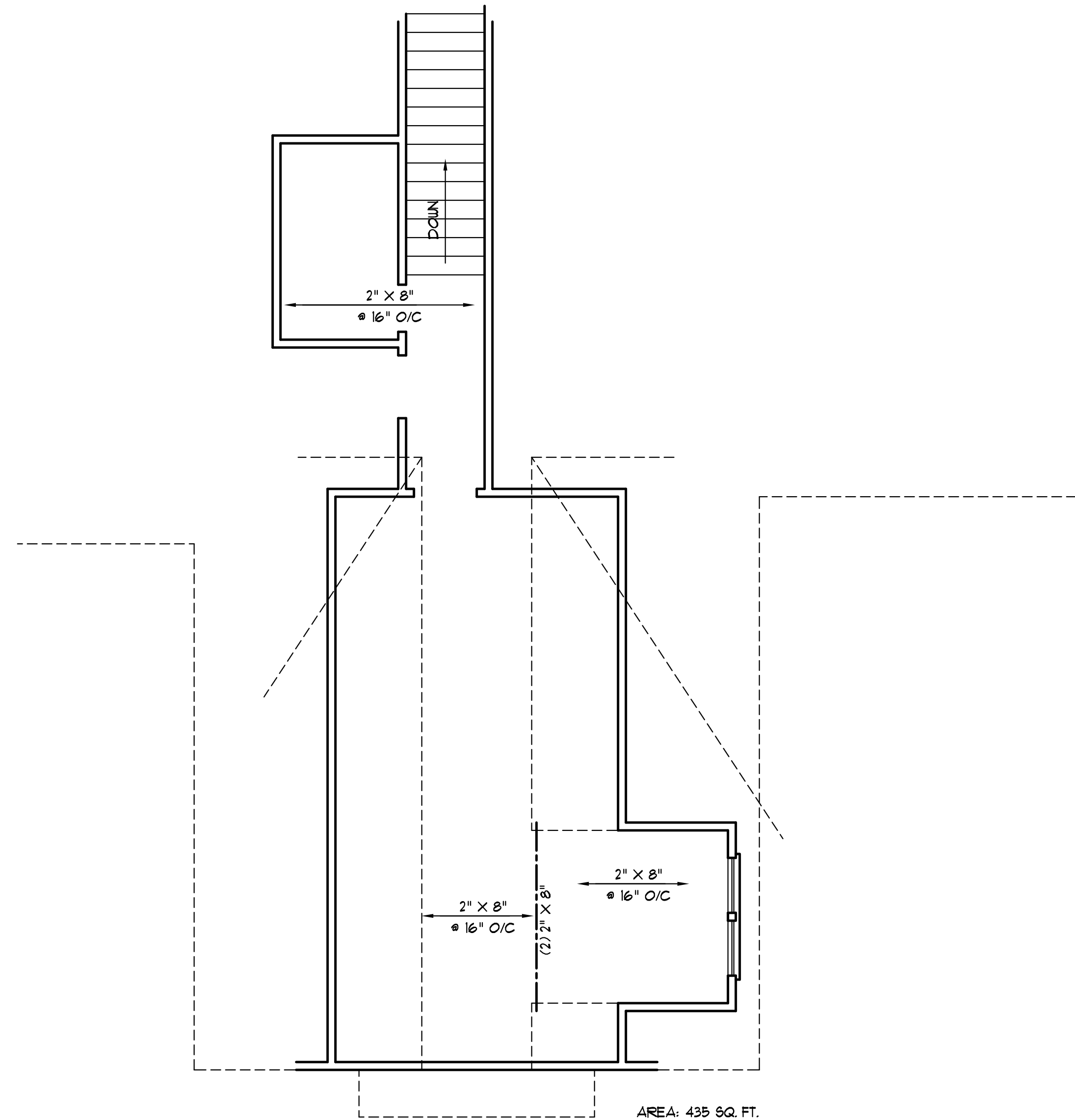
DESCRIPTION:
FOUNDATION
PLAN

REVISION:

DATE:
09/16/2021

OWNER:

S1



AREA: 435 SQ. FT.

GENERAL FRAMING NOTES:

- THIS PLAN DESIGNED IN ACCORDANCE WITH NC RESIDENTIAL CODE, 2018 EDITION.
- GLAZING AREAS SHOWN ON THESE DESIGN DRAWINGS DO NOT EXCEED 15% THE GROSS AREA OF THE EXTERIOR WALLS. THIS STRUCTURE MEETS THE REQUIREMENTS OF N1101.2.1, RESIDENTIAL BUILDING, TYPE A-1.
- WALL CLADDING IS DESIGNED FOR A 24.1 #/SF OR GREATER POSITIVE/NEGATIVE PRESSURE.
- ALL WALLS, FLOORS AND CEILINGS SHALL BE INSULATED IN ACCORDANCE WITH PART IV, ENERGY CONSERVATION, CHAPTER 11, ENERGY EFFICIENCY OF THE CODE FOR ZONE 7 (TABLE N1101.2).
- DESIGN CRITERIA

	DEAD	LIVE
PRIMARY FLOOR	10 PSF	40 PSF
SECONDARY FLOOR	10 PSF	40 PSF
SLEEPING AREAS	10 PSF	30 PSF
ATTIC	10 PSF	20 PSF
ROOF	10 PSF	20 PSF
- DEFLECTION LIMITS FLOOR - L/360
(LIVE LOAD ONLY) ROOF - L/240
- ALL HEADERS IN LOAD BEARING WALLS SHALL BE DOUBLE 2X10.
- ALL WALLS ARE 2X4 @ 16" O.C. UNLESS OTHERWISE NOTED.
- FLOOR INSULATION = R-19, EXTERIOR = R-15 AND CEILING = R-38.
- PROVIDE DOUBLE FLOOR JOISTS UNDER WALLS ABOVE.

R602.7.5 SUPPORTS FOR HEADERS:

HEADERS SHALL BE SUPPORTED ON EACH END WITH ONE OR MORE JACK STUDS OR WITH APPROVED FRAMING ANCHORS IN ACCORDANCE WITH TABLE R602.7(1) OR R602.7(2). THE FULL-HEIGHT STUD ADJACENT TO EACH END OF THE HEADER SHALL BE END NAILED TO EACH END OF THE HEADER WITH FOUR-16D NAILS (3.5 INCHES X 0.135 INCHES). THE MINIMUM NUMBER OF FULL-HEIGHT STUDS AT EACH END OF A HEADER SHALL BE IN ACCORDANCE WITH TABLE R602.7.5.

TABLE R602.7.5

MINIMUM NUMBER OF FULL-HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN	MAXIMUM STUD SPACING (INCHES) PER TABLE R602.3(5)	
	16	24
LESS THAN/EQUAL TO 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

STRUCTURAL EVALUATION BY:

HOWERTON SERVICES, PLLC
3513 CATHEDRAL BELL ROAD RALEIGH, NC 27614
LICENSE P-1716

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS ON THIS DOCUMENT. SEAL DOES NOT INCLUDE CONSTRUCTION REVIEW, MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS.
- ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE BROUGHT TO IMMEDIATE ATTENTION OF THE ENGINEER. FAILURE TO DO SO WILL VOID ENGINEER'S LIABILITY.
- DO NOT SCALE THESE DRAWINGS - ENGINEERING APPROVAL EXPIRES 10/01/2022



J. S. Krutz
09/16/2021

SECOND FLOOR FRAMING PLAN
01 1/4"=1'-0"

Plan No 1920-10

STRUCTURAL EVALUATION BY:
HOWERTON SERVICES, PLLC
3513 CATHEDRAL BELL
RD., RALEIGH N.C. 27614

BUILDING DESIGN BY:
VUNCANNON DESIGNS

Mitchell/April Womack
Old Buies Creek Rd
Buies Creek, NC

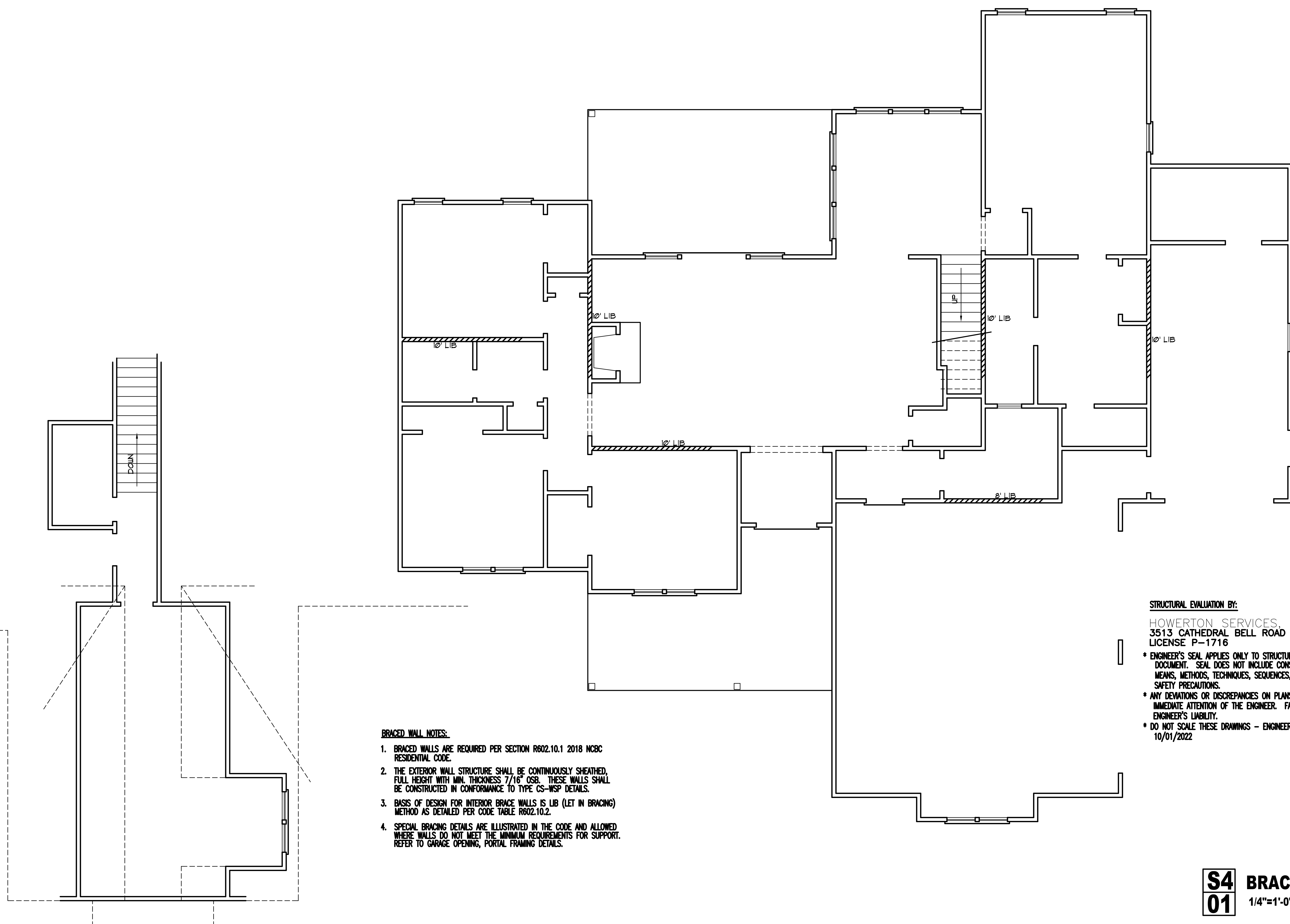
DESCRIPTION:
CEILING FRAMING
PLAN

REVISION:

DATE:
09/16/2021

OWNER:

S3



BRACED WALL NOTES:

1. BRACED WALLS ARE REQUIRED PER SECTION R602.10.1 2018 NBCR RESIDENTIAL CODE.
2. THE EXTERIOR WALL STRUCTURE SHALL BE CONTINUOUSLY SHEATHED, FULL HEIGHT WITH MIN. THICKNESS 7/16" OSB. THESE WALLS SHALL BE CONSTRUCTED IN CONFORMANCE TO TYPE CS-WSP DETAILS.
3. BASIS OF DESIGN FOR INTERIOR BRACE WALLS IS L1B (LET IN BRACING) METHOD AS DETAILED PER CODE TABLE R602.10.2.
4. SPECIAL BRACING DETAILS ARE ILLUSTRATED IN THE CODE AND ALLOWED WHERE WALLS DO NOT MEET THE MINIMUM REQUIREMENTS FOR SUPPORT. REFER TO GARAGE OPENING, PORTAL FRAMING DETAILS.

STRUCTURAL EVALUATION BY:

HOWERTON SERVICES, PLLC
 3513 CATHEDRAL BELL ROAD RALEIGH, NC 27614
 LICENSE P-1716

- * ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS ON THIS DOCUMENT. SEAL DOES NOT INCLUDE CONSTRUCTION REVIEW, MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS.
- * ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE BROUGHT TO IMMEDIATE ATTENTION OF THE ENGINEER. FAILURE TO DO SO WILL VOID ENGINEER'S LIABILITY.
- * DO NOT SCALE THESE DRAWINGS - ENGINEERING APPROVAL EXPIRES 10/01/2022



Joel S. Hunt
 09/16/2021

S4 BRACE WALL PLAN
01 1/4"=1'-0"

Plan No 1920-10

STRUCTURAL EVALUATION BY:
 HOWERTON SERVICES, PLLC
 3513 CATHEDRAL BELL
 RD., RALEIGH N.C. 27614

BUILDING DESIGN BY:
 VUNCANNON DESIGNS

Mitchell/April Womack
 Old Buies Creek Rd
 Buies Creek, NC

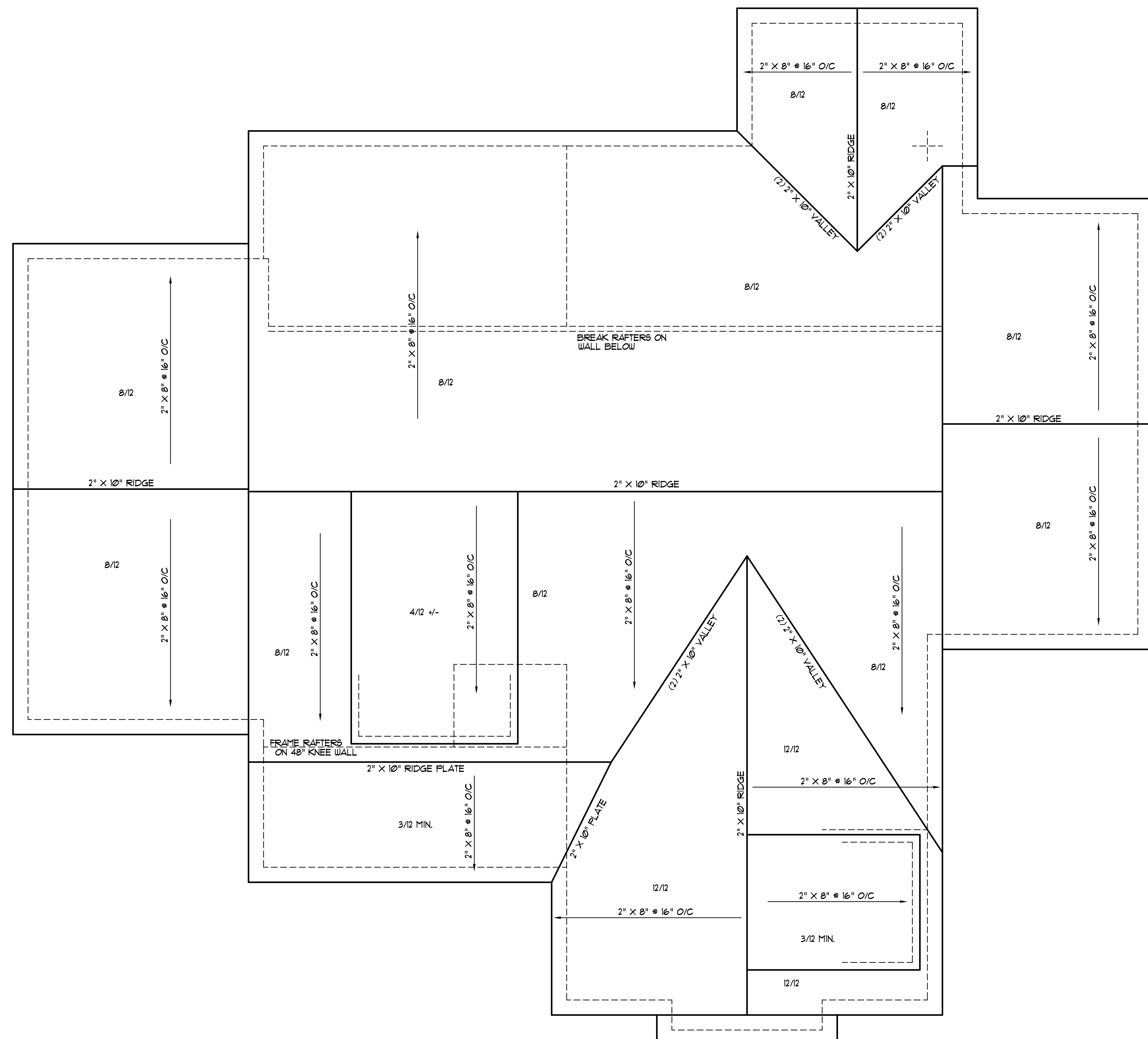
DESCRIPTION:
 BRACING PLAN

REVISION:

DATE:
 09/16/2021

OWNER:

S4



GENERAL ROOF NOTES:

- THIS PLAN DESIGNED IN ACCORDANCE WITH NC RESIDENTIAL CODE, 2018 EDITION.
- ROOF CLADDING DESIGN VALUES (POSITIVE/NEGATIVE) SHALL BE AS FOLLOWS:
45.5 #/SF FOR ROOF PITCHES FROM 0 /12 TO 2.25 /12
34.5 #/SF FOR ROOF PITCHES FROM 2.25 /12 TO 7 /12
21 #/SF FOR ROOF PITCHES FROM 7 /12 TO 12 /12
- ALL ROOFING ELEMENTS SHALL MEET THE REQUIREMENTS OF CHAPTER 8 OF THE CODE.
- ALL LUMBER SHALL BE #2 SPF OR BETTER. RAFTERS MAY BE FINGER JOINTED PER NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION, AND MUST HAVE THE STRUCTURAL CERTIFICATION STAMPED ON THE MEMBER.
- RAFTER SIZES, SPANS AND SPACING SHALL NOT EXCEED THE FOLLOWING:

SIZE	2X6	2X8	2X10
SPACING 12" O.C.	14'-9"	19'-6"	24'-10"
SPACING 16" O.C.	13'-5"	17'-9"	22'-3"
- ALL RAFTERS TO BE 2X8 @ 16" O.C. #2 SPF UNLESS NOTED OTHERWISE.
- 2-2X10 HIPs MAY BE SPLICED WITH A MIN. 6'-0" OVERLAP.
- PROVIDE DOUBLE RAFTER EACH SIDE OF DORMERS WITH DOUBLE HEADER.
- ATTACH VAULTED RAFTERS WITH HURRICANE CLIP SIMPSON "H-5" OR EQUIVALENT. PROVIDE DOUBLE OPPOSING RAFTERS WHERE NOTED.
- 2X8 RAFTERS @ CATHEDRAL OR VAULTED CEILINGs TO BE FURRED DOWN 2" OR USE 2X10 RAFTERS FOR INSULATION PER CODE.
- PROVIDE 2X4 COLLAR TIES EVERY SECOND RAFTER (TYPICAL).
- PROVIDE 2X4 RAFTER TIES @ 32" O.C. (TYPICAL).
- FRAME RAFTERS ON 2X4 PLATE ON TOP OF CEILING JOISTS UNLESS NOTED OTHERWISE.
- SHINGLES ASSUMED TO BE 240 LB. FIBERGLASS, OR EQUAL. MINIMUM ROOF PITCH TO BE AS INDICATED ON ARCHITECTURAL PLAN SHEETS.
- PROVIDE DOUBLE LAYER OF ROOF FELT WHERE ROOF PITCH IS LESS THAN 4 /12.
- THESE DESIGN DRAWINGS WERE PRODUCED BY HOWERTON SERVICES, PLLC ASSUMES NO LIABILITY FOR THE CORRECTNESS OF ARCHITECTURAL FEATURES, DIMENSIONS OR FIXTURES.
- ALL HIP RIDGES AND VALLEYS SHALL BE DOUBLE 2X10 UNLESS NOTED OTHERWISE.
- CONTRACTOR IS RESPONSIBLE FOR REVIEWING DRAWINGS FOR CONSTRUCTABILITY PRIOR TO BEGINNING CONSTRUCTION.
- VALLEY RAFTERS WITH SPANS LONGER THAN 15' SHALL BE LVLs SUPPORTED AS NOTED. PROVIDE TEMPORARY STIFF KNEE SUPPORT UNTIL ALL SHEATHING AND RAFTER TIES/COLLARS ARE INSTALLED.
- DO NOT SCALE THESE DRAWINGS. IF DISCREPANCIES ARE NOTED, CONTACT THE ENGINEER.

ATTIC SPACE VENTILATION

MAIN ROOF
 ATTIC AREA = 3285 SQ. FT.
 REQUIRED AREA = 1/300 = 1095 SQ. FT.
 NOTE:
 ALL EAVES TO HAVE 2" CONTINUOUS SOFFIT VENT
 ALLOW 1" AIR SPACE ABOVE INSULATION FOR AIR FLOW

STRUCTURAL EVALUATION BY:

HOWERTON SERVICES, PLLC
 3513 CATHEDRAL BELL ROAD RALEIGH, NC 27614
 LICENSE P-1716

- * ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS ON THIS DOCUMENT. SEAL DOES NOT INCLUDE CONSTRUCTION REVIEW, MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS.
- * ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE BROUGHT TO IMMEDIATE ATTENTION OF THE ENGINEER. FAILURE TO DO SO WILL VOID ENGINEER'S LIABILITY.
- * DO NOT SCALE THESE DRAWINGS - ENGINEERING APPROVAL EXPIRES 10/01/2022

■ INDICATES (3) 2x4 STIFF KNEE ON BEAM BELOW



S5 ROOF PLAN 09 16 2021
01 1/4"=1'-0"

Plan No 1920-10

STRUCTURAL EVALUATION BY:
 HOWERTON SERVICES, PLLC
 3513 CATHEDRAL BELL
 RD., RALEIGH N.C. 27614

BUILDING DESIGN BY:
 VUNCANNON DESIGNS

Mitchell/April Womack
 Old Buies Creek Rd
 Buies Creek, NC

DESCRIPTION:
 ROOF PLAN

REVISION:

DATE:
 09/16/2021

S5