

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

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

CODES GOVERN OVER DRAWINGS.

DIMENSIONS GOVERN OVER SCALE.

VERIFY ALL MECHANICAL REQUIREMENTS BEFORE FRAMING.

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

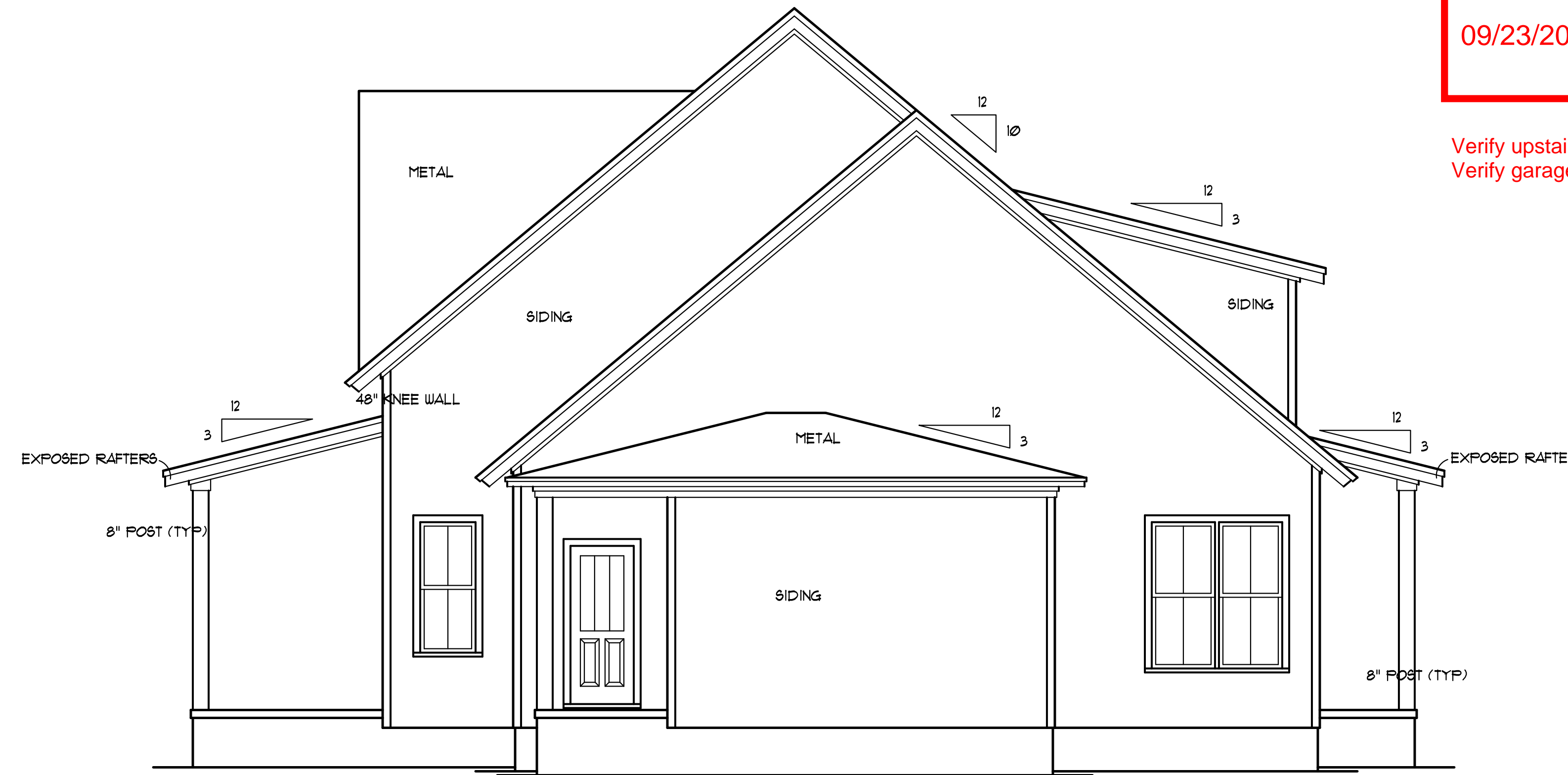
NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

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

09/23/2021




Verify upstairs bedroom windows meet egress requirements.
Verify garage upstairs is unfinished storage. No floor plan provided



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



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

Jason/Ashlee Savage
Cane Mill Road
Coats, NC

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

DRAWN BY : WRY
CHK'D BY : WRY
DATE : 06/21/21
REVISIONS :

SHEET
A-1

Plan No. 3745-15

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

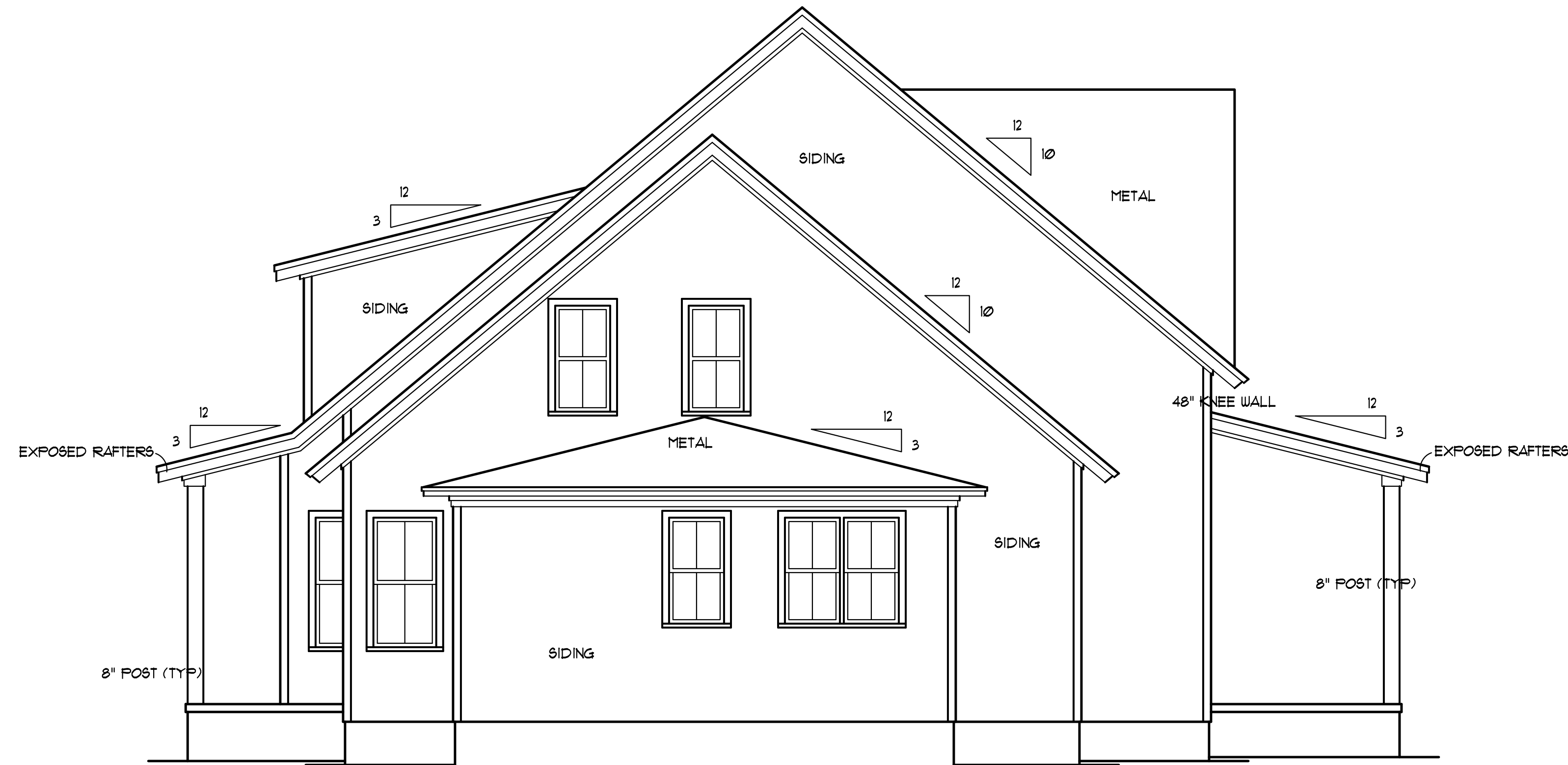
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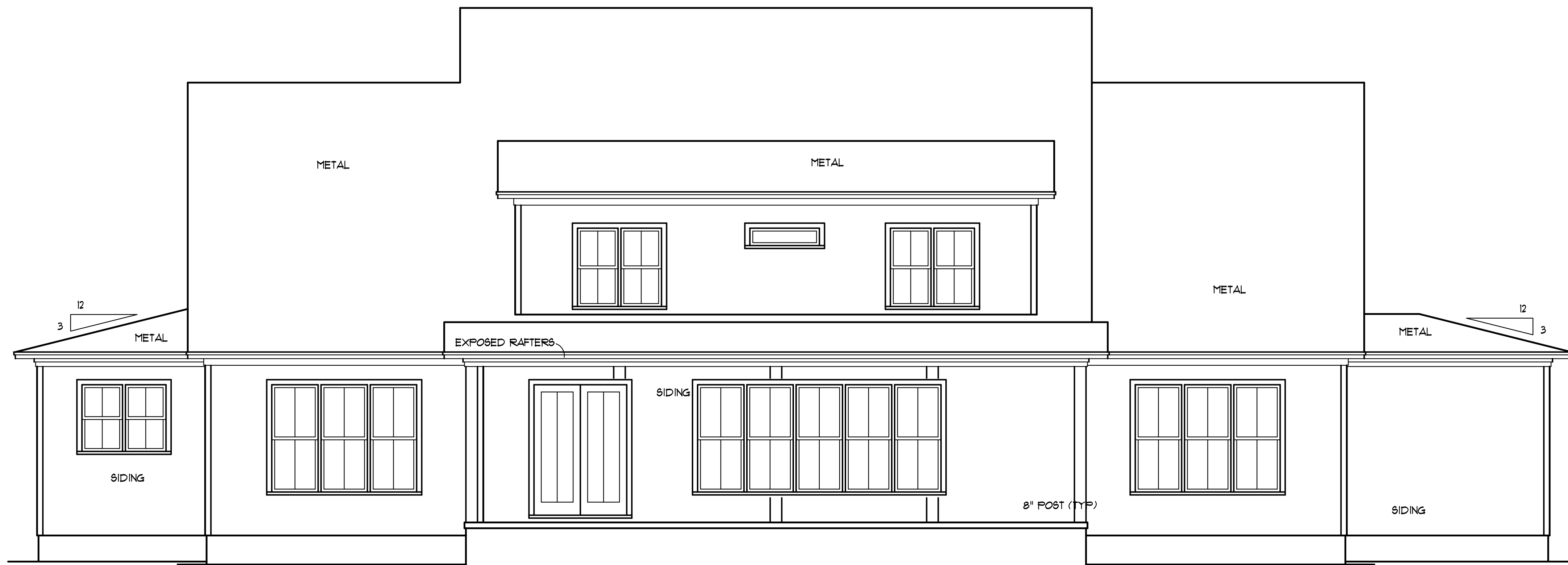
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LEFT SIDE ELEV.
SCALE: 1/4" = 1'-0"



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

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SHEET
A-2

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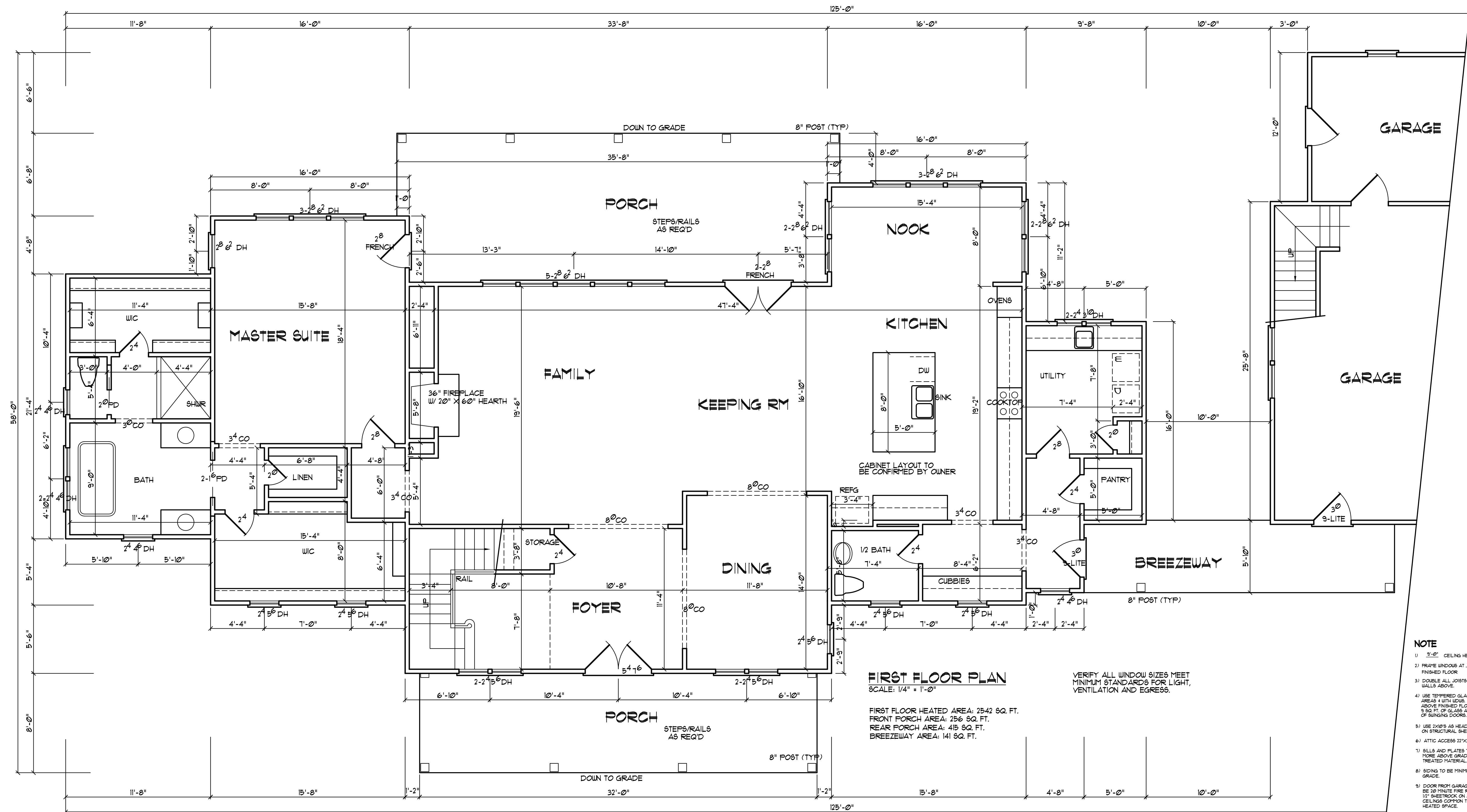
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FIRST FLOOR PLAN

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

FIRST FLOOR HEATED AREA: 2542 SQ. FT.
 FRONT PORCH AREA: 256 SQ. FT.
 REAR PORCH AREA: 415 SQ. FT.
 BREEZEWAY AREA: 141 SQ. FT.

VERIFY ALL WINDOW SIZES MEET MINIMUM STANDARDS FOR LIGHT, VENTILATION AND EGRESS.

NOTE

- 1) 5'-0" CEILING HEIGHT
- 2) FRAME WINDOWS AT 1'-8" ABOVE FINISHED FLOOR
- 3) DOUBLE ALL DOORS PARALLEL TO WALLS ABOVE
- 4) USE TEMPERED GLASS AT TUB & SHOWER AREAS & WITH LEADS LESS THAN 8" ABOVE FINISHED FLOOR WITH MORE THAN 3 SQ. FT. OF GLASS AND LEADS WITHIN 7' OF SWING DOORS
- 5) USE 2X8'S AS HEADERS (MIN. WOOD ON STRUCTURAL SHEETS)
- 6) ATTIC ACCESS 22"x30" MINIMUM
- 7) SILLS AND PLATES TO BE 8" OR MORE ABOVE GRADE OR BE TREATED MATERIAL
- 8) SING TO BE MINIMUM 6" ABOVE GRADE
- 9) DOOR FROM GARAGE TO HOUSE TO BE 20 MINUTE FIRE RATED. ADD 1/2" SHEETROCK ON ALL WALLS & CEILING COMMON TO GARAGE & HEATED SPACE
- 10) MINIMUM 8" SIDE CLEARANCE FROM CENTER LINE OF WATER CLOSET
- 11) PROVIDE TREATED BAND AT CONCRETE SLAB

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 Cane Mill Road
 Coats, NC

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 DATE : 06/21/21
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SHEET
A-3

Plan No. 3745-15

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

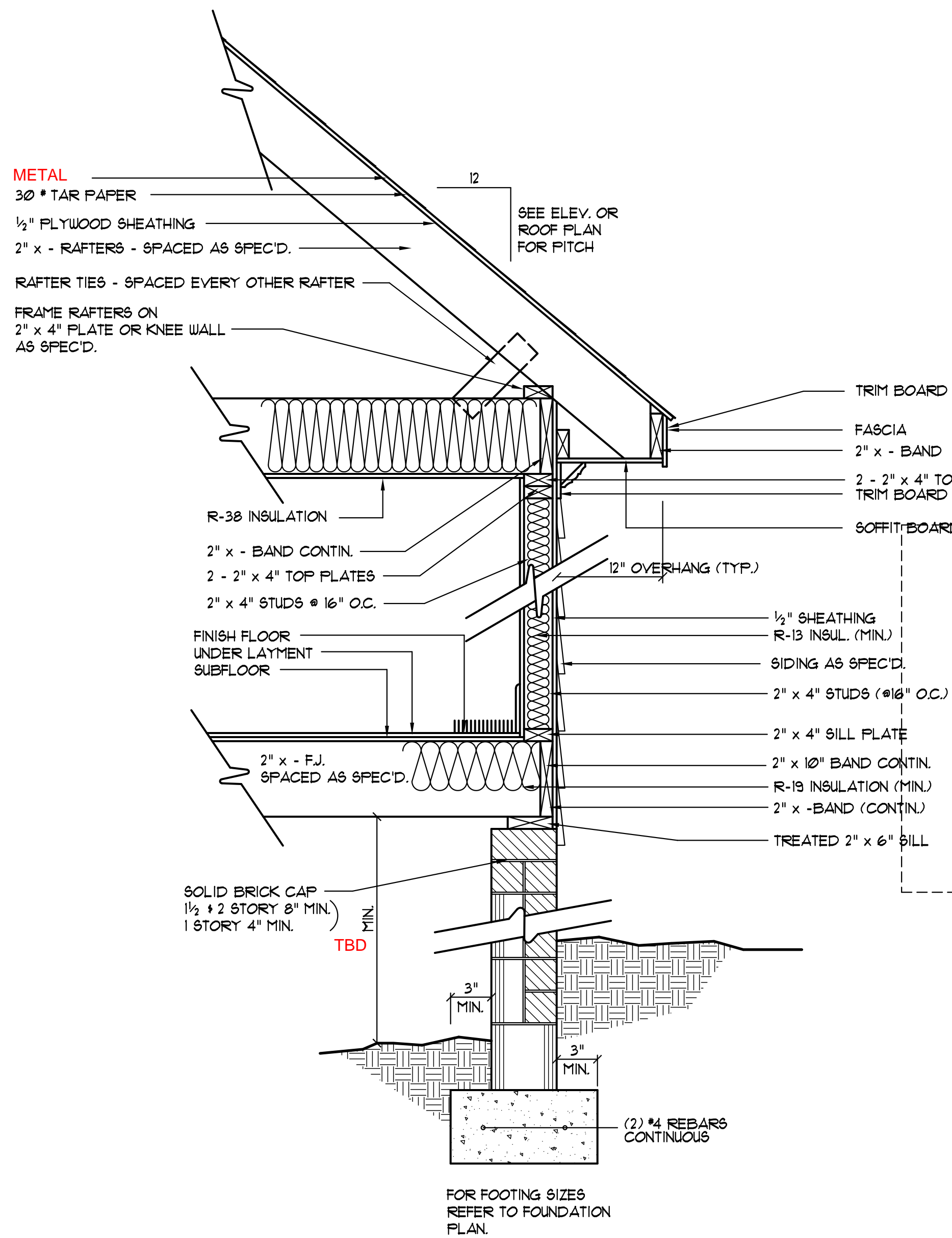
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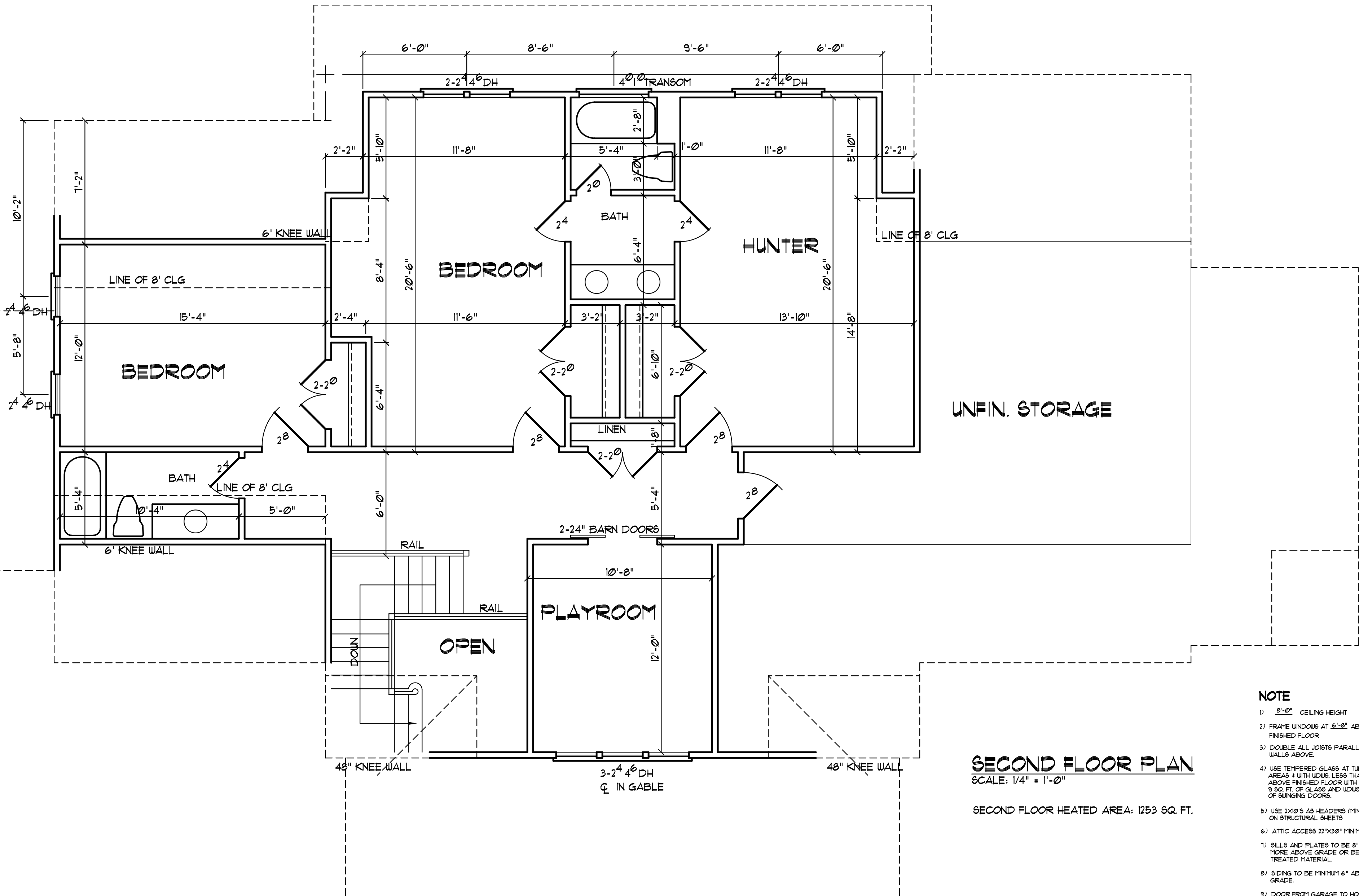
DIMENSIONS GOVERN OVER SCALE.

VERIFY ALL MECHANICAL REQUIREMENTS BEFORE FRAMING.

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EXTERIOR WALL SECTION
SCALE: NTS



SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

SECOND FLOOR HEATED AREA: 1253 SQ. FT.

NOTE

- 1) 8'-0" CEILING HEIGHT
- 2) FRAME WINDOWS AT 8'-0" ABOVE FINISHED FLOOR
- 3) DOUBLE ALL JOISTS PARALLEL TO WALLS ABOVE.
- 4) USE TIPPED GLASS AT TUB & SHWR. AREAS WITH HEADS LESS THAN 8' ABOVE FINISHED FLOOR WITH MORE THAN 5 SQ. FT. OF GLASS AND JDSR WITHIN 7' OF SLINGING DOORS.
- 5) USE 2X10'S AS HEADERS (MIN) LON. ON STRUCTURAL SHEETS
- 6) ATTIC ACCESS 22"x30" MINIMUM
- 7) SILL AND PLATES TO BE 8" OR MORE ABOVE GRADE OR BE TREATED MATERIAL.
- 8) SIDING TO BE MINIMUM 6" ABOVE GRADE.
- 9) DOOR FROM GARAGE TO HOUSE TO BE 30 MINUTE FIRE RATED. ADD 1/2" SHEETROCK ON ALL WALLS & CEILING COMMON TO GARAGE & HEATED SPACE.
- 10) MINIMUM 6" SIDE CLEARANCE FROM CENTER LINE OF WATER CLOSET.
- 11) PROVIDE TREATED BAND AT CONCRETE SLAB.

Jason/Ashlee Savage
Cane Mill Road
Coats, NC

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DRAWN BY: WRY
CHKD BY: WRY
DATE: 06/21/21
REVISIONS:

SHEET
A = 4

Plan No. 3745-15

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

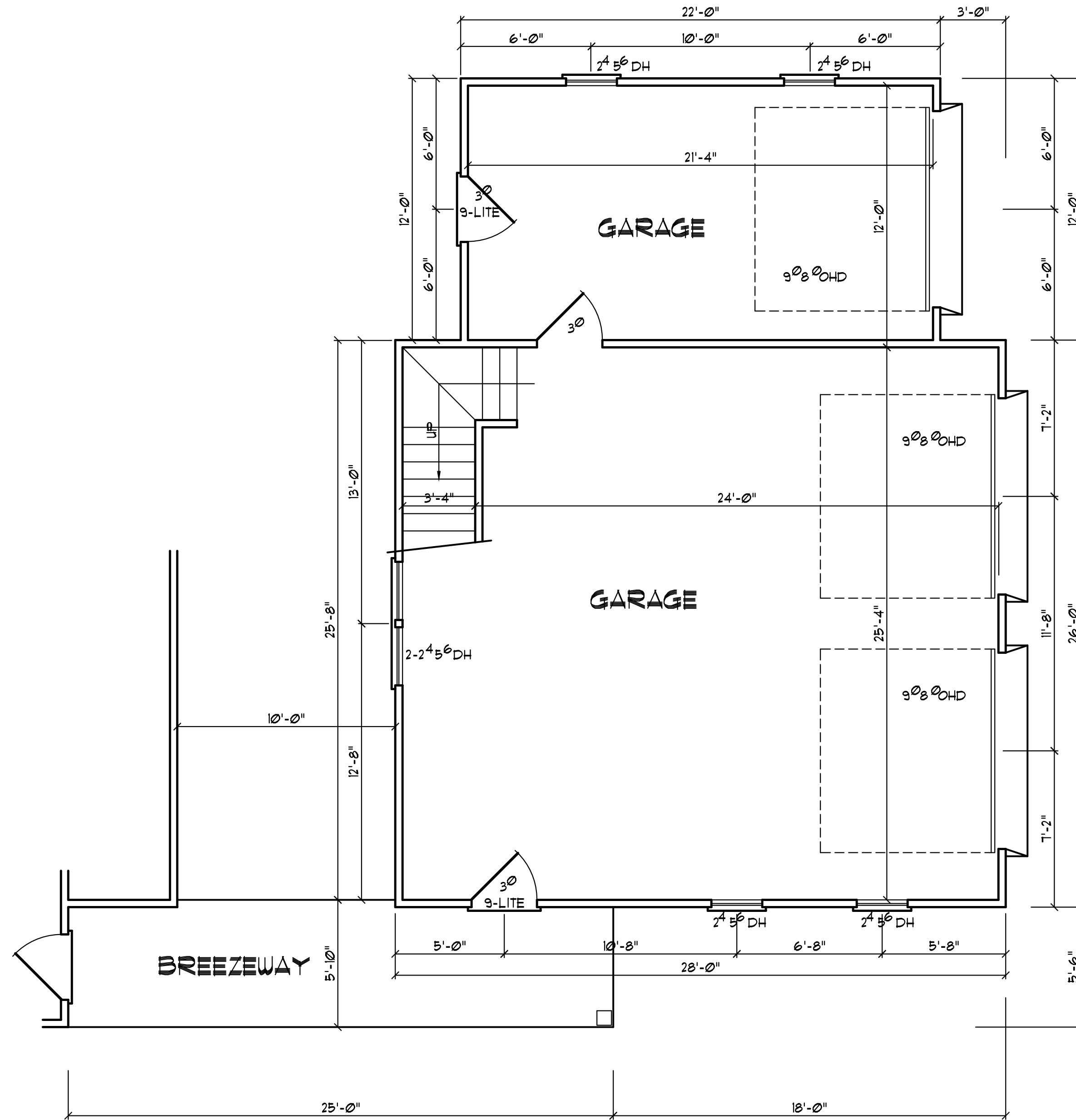
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DIMENSIONS GOVERN OVER SCALE.

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FIRST FLOOR PLAN

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

GARAGE AREA: 992 SQ. FT.

Jason/Ashlee Savage
Cane Mill Road
Coats, NC

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CUSTOM HOME PLANS
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DRAWN BY : WRY
CHK'D BY : WRY
DATE : 06/21/21
REVISIONS :

SHEET
A-5

Plan No. 3745-15

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

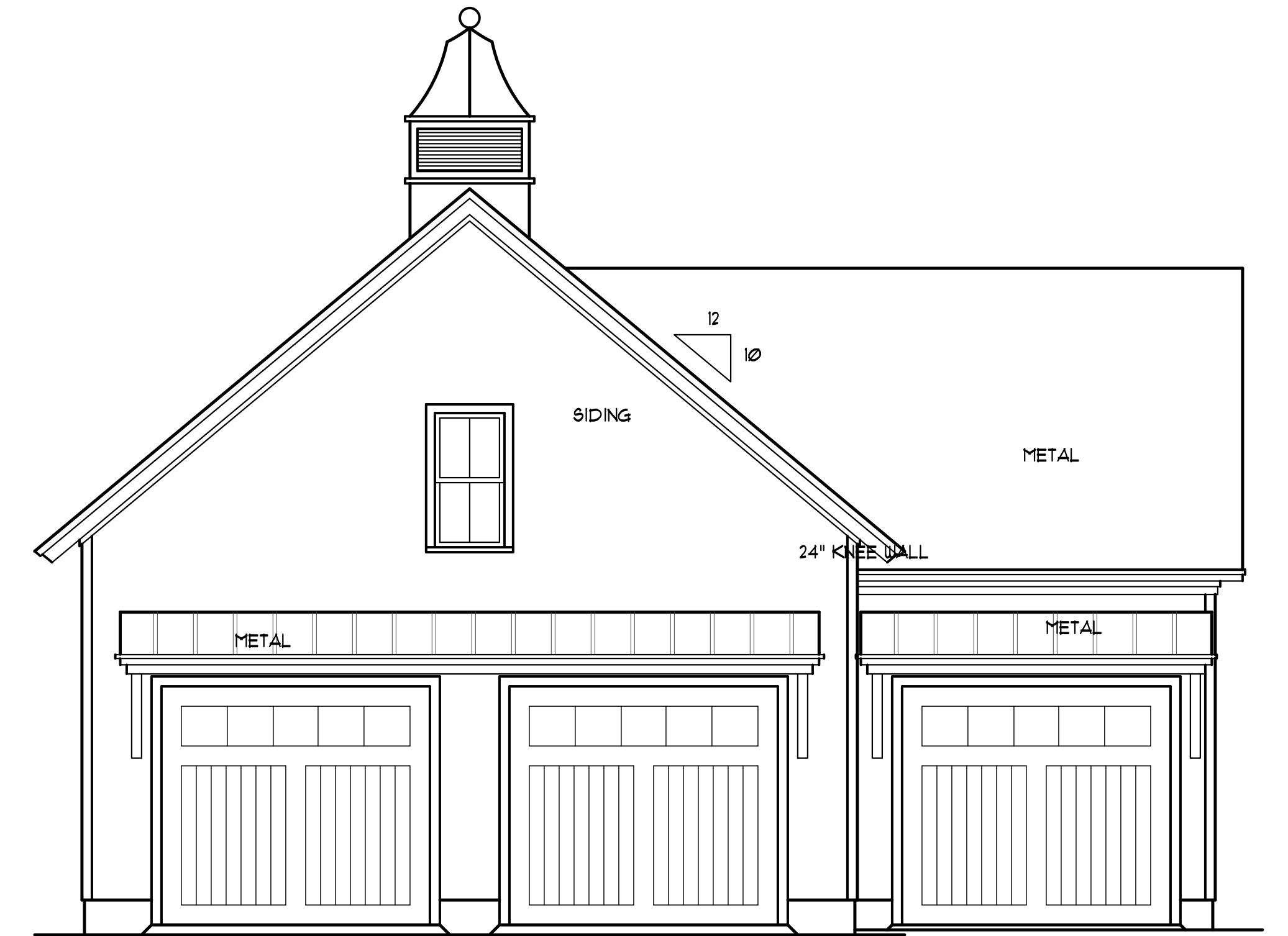
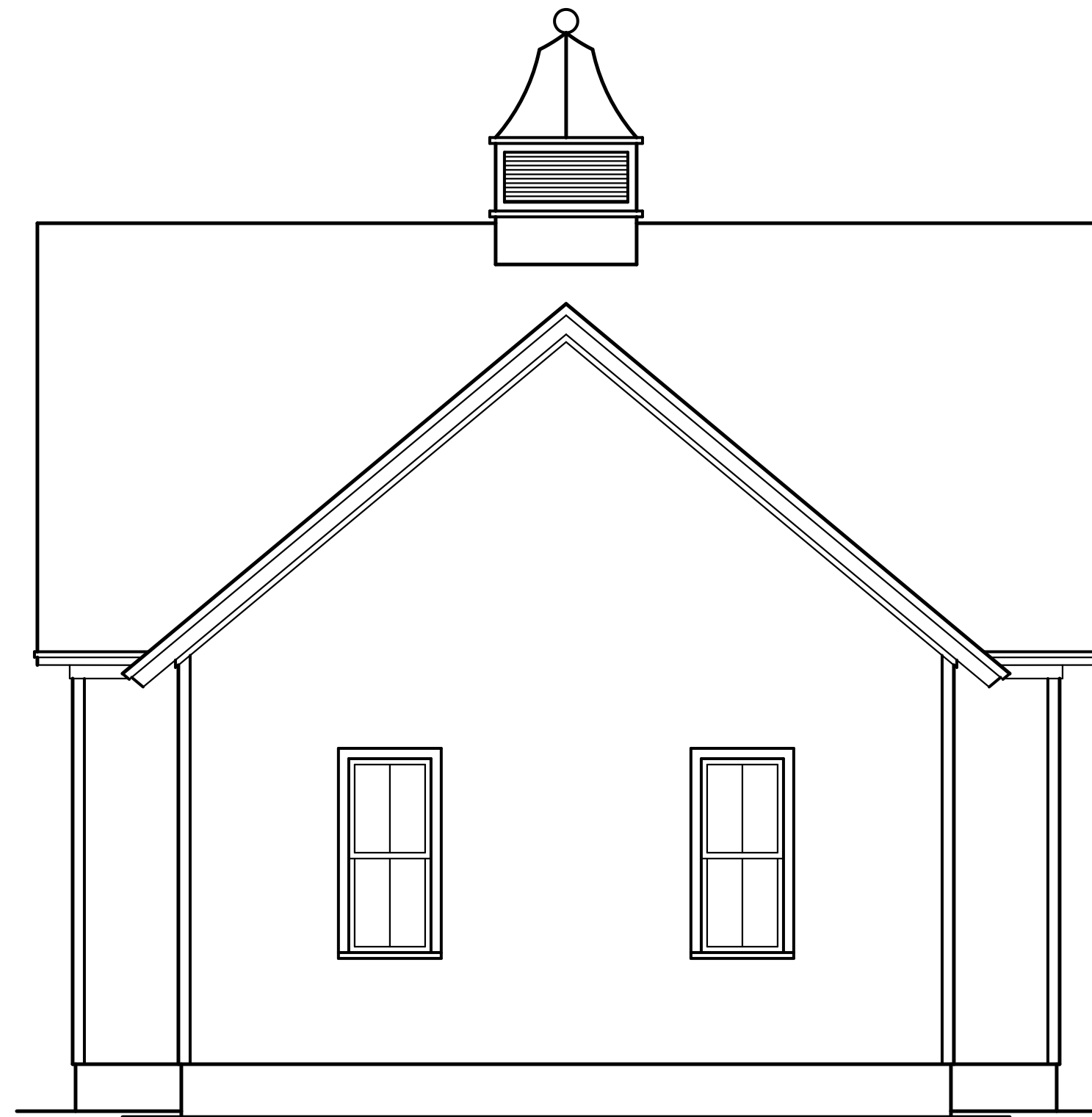
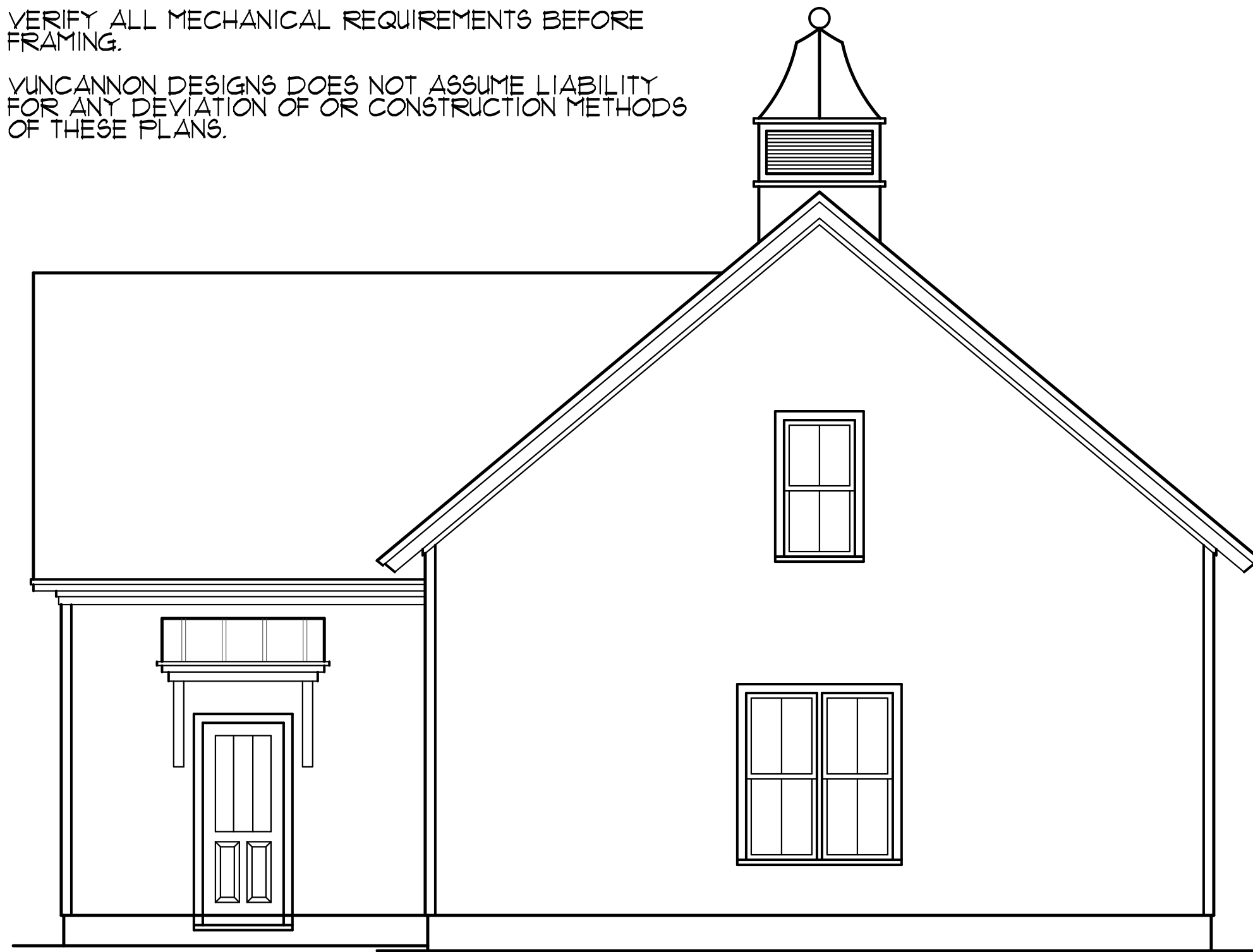
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FRONT ELEVATION
SCALE: 1/4" = 1'-0"

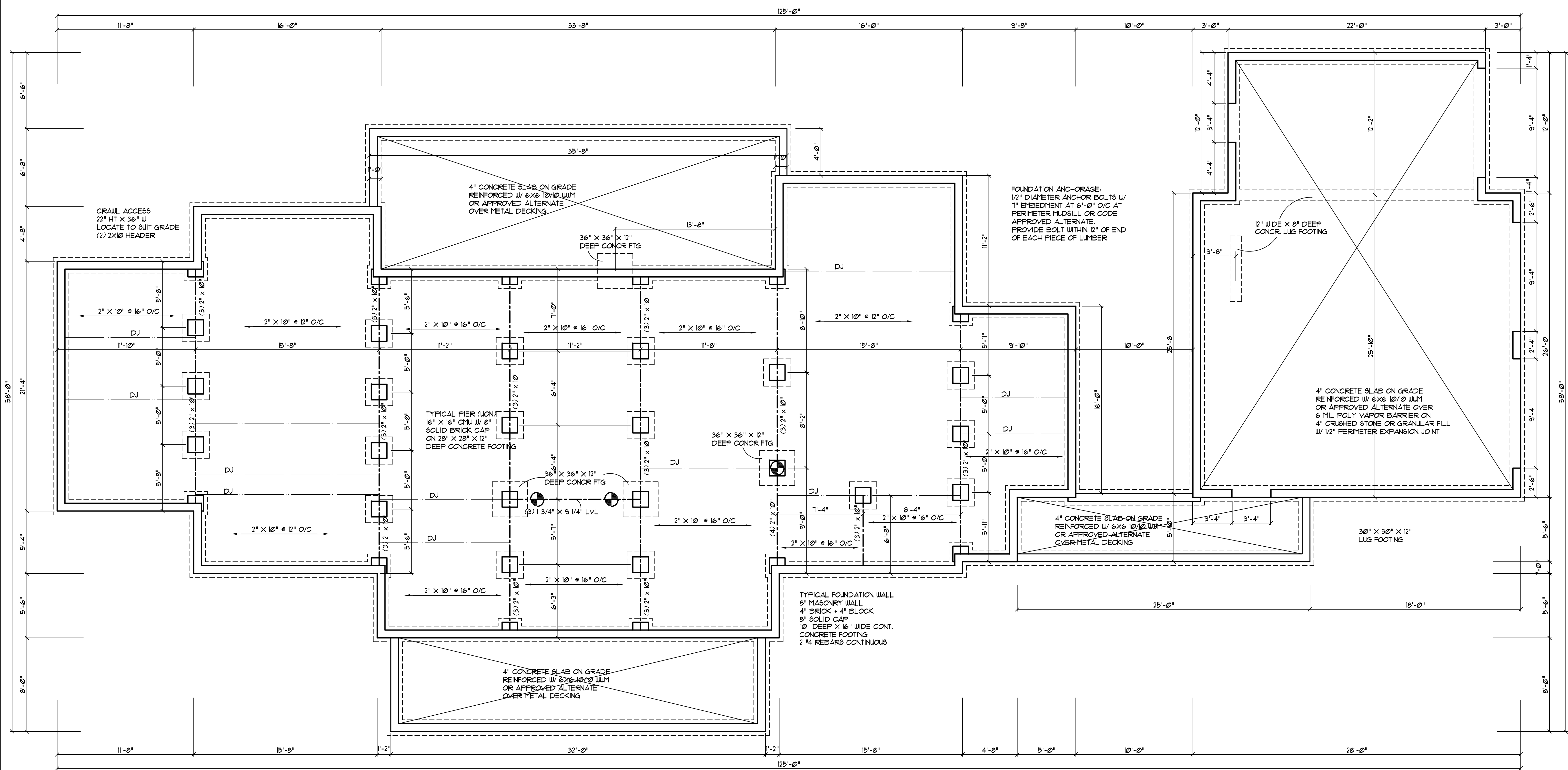
Jason/Ashlee Savage
Cane Mill Road
Coats, NC

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

DRAWN BY : WRY
CHKD BY : WRY
DATE : 06/21/21
REVISIONS :

SHEET
A-6

Plan No. 3745-15



GENERAL FOUNDATION NOTES:

- THIS PLAN DESIGNED IN ACCORDANCE WITH NC RESIDENTIAL CODE, 2018 EDITION.
- 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.

- FOOTINGS TO BEAR ON UNDISTURBED EARTH A MIN. OF 12" BELOW ADJACENT FINISH GRADE OR AS OTHERWISE DIRECTED BY LOCAL INSPECTOR.
- FOUNDATION DRAINAGE SHALL BE IN ACCORDANCE WITH SECTION R405 OF THE CODE "FOUNDATION DRAINAGE".

- THE FOUNDATION SHALL BE TREATED IN ACCORDANCE W/SECTION R406 OF THE CODE "FOUNDATION WATERPROOFING AND DAMPPROOFING".
- THIS FOUNDATION DESIGN IS VALID FOR 115 MPH WIND ZONES ONLY.
- FOUNDATION WALLS SHALL BE 8" BLOCK UNLESS NOTED OTHERWISE.
- (2) #4 BARS IN FOOTINGS RUN CONTINUOUSLY.

CRAWL SPACE VENTILATION

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

CRAWL SPACE AREA:
3354 / 150 = 22.36 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

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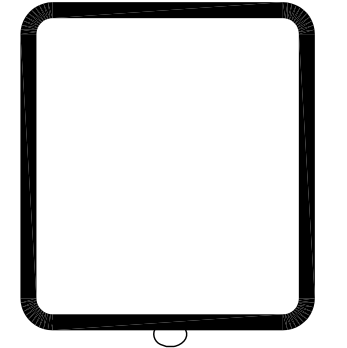
INDICATES POINT LOAD ABOVE

06 04 2021



S1 FOUNDATION
01 1/4"=1'-0"

Plan No. 3745-15



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

BUILDING DESIGN BY:
VUNCANNON DESIGNS

Jason/Ashlee Savage
Cane Mill Road
Coats, NC

DESCRIPTION:
FOUNDATION PLAN

REVISION:

DATE:
06/04/2021

ENGINEER:
S1

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% OF 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
WIND	100 MPH	
- 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 OR TRUSS UNDER WALLS ABOVE.

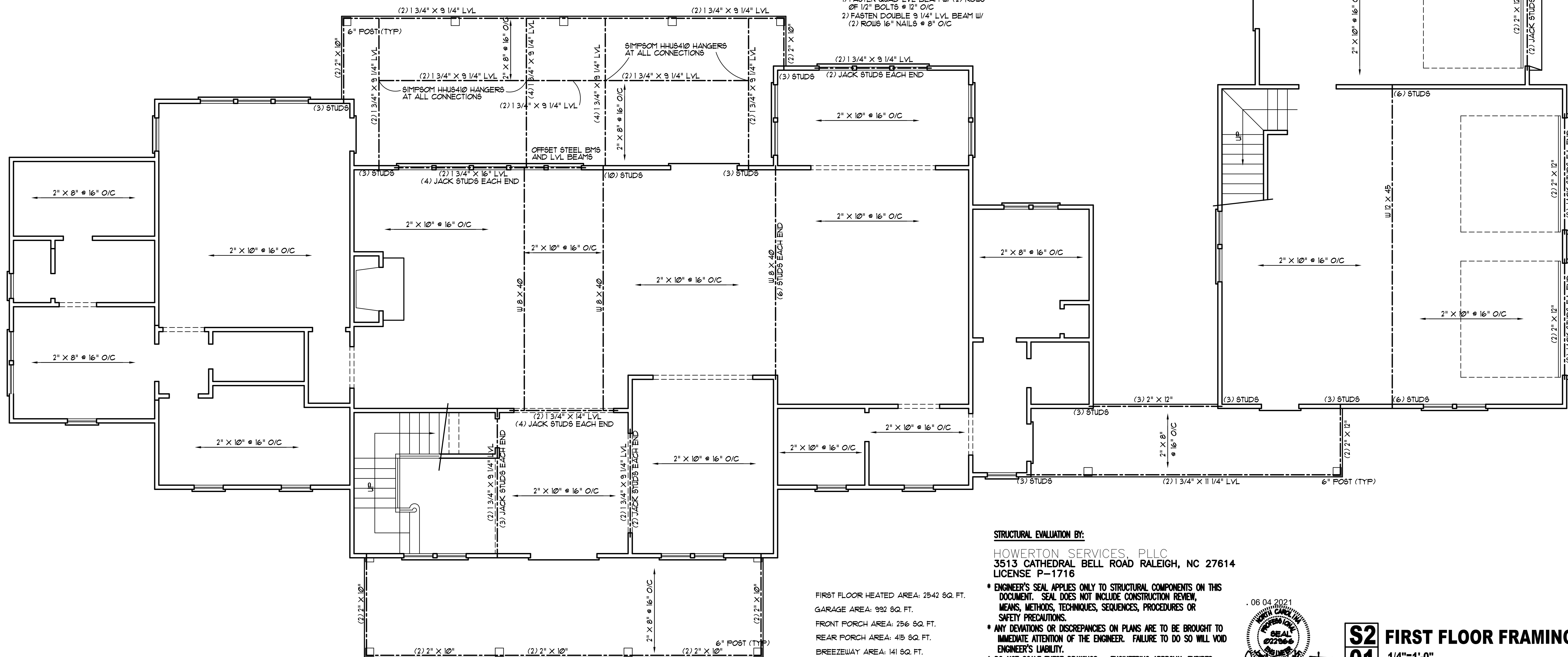
R602.7.5 SUPPORTS FOR HEADERS:

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)	
LESS THAN/EQUAL TO 3'	16	24
4'	2	1
8'	3	2
12'	5	3
16'	6	4

NOTE:
1) FASTEN QUAD LVL BEAM W/ (2) ROUS
OF 1/2" BOLTS @ 12" O/C
2) FASTEN DOUBLE 9 1/4" LVL BEAM W/
(2) ROUS 16" NAILS @ 8" O/C

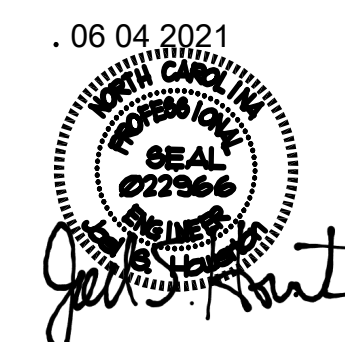


FIRST FLOOR HEATED AREA: 2542 SQ. FT.
GARAGE AREA: 992 SQ. FT.
FRONT PORCH AREA: 256 SQ. FT.
REAR PORCH AREA: 415 SQ. FT.
BREEZEWAY AREA: 141 SQ. FT.

STRUCTURAL EVALUATION BY:

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

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S2 FIRST FLOOR FRAMING
01 1/4"=1'-0"

Plan No. 3745-15

Jason/Ashlee Savage
Cane Mill Road
Coats, NC

BUILDING DESIGN BY:
VUNCANNON DESIGNS

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

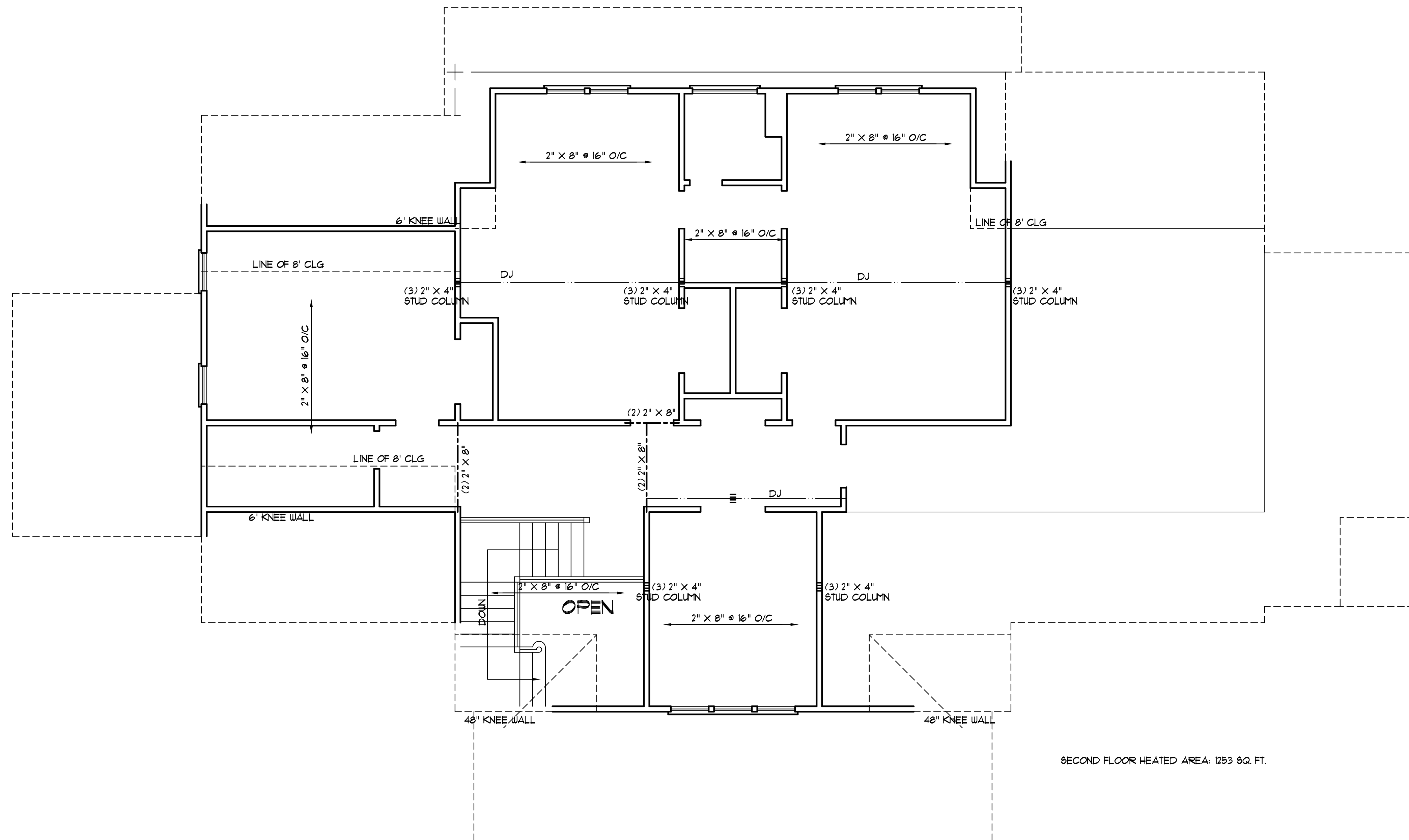
DESCRIPTION:
MAIN LEVEL FLOOR FRAMING

REVISION:

DATE:
06/04/2021

OWNER:

S2



SECOND FLOOR HEATED AREA: 1253 SQ. FT.

GENERAL FRAMING NOTES:

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- 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

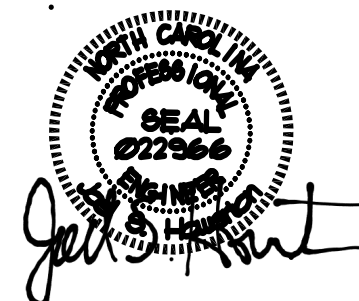
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	16	24
LESS THAN/EQUAL TO 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

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06/04/2021



S3 SECOND FLOOR FRAMING PLAN
01 1/4"=1'-0"

Plan No. 3745-15

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

BUILDING DESIGN BY:
VUNCANNON DESIGNS

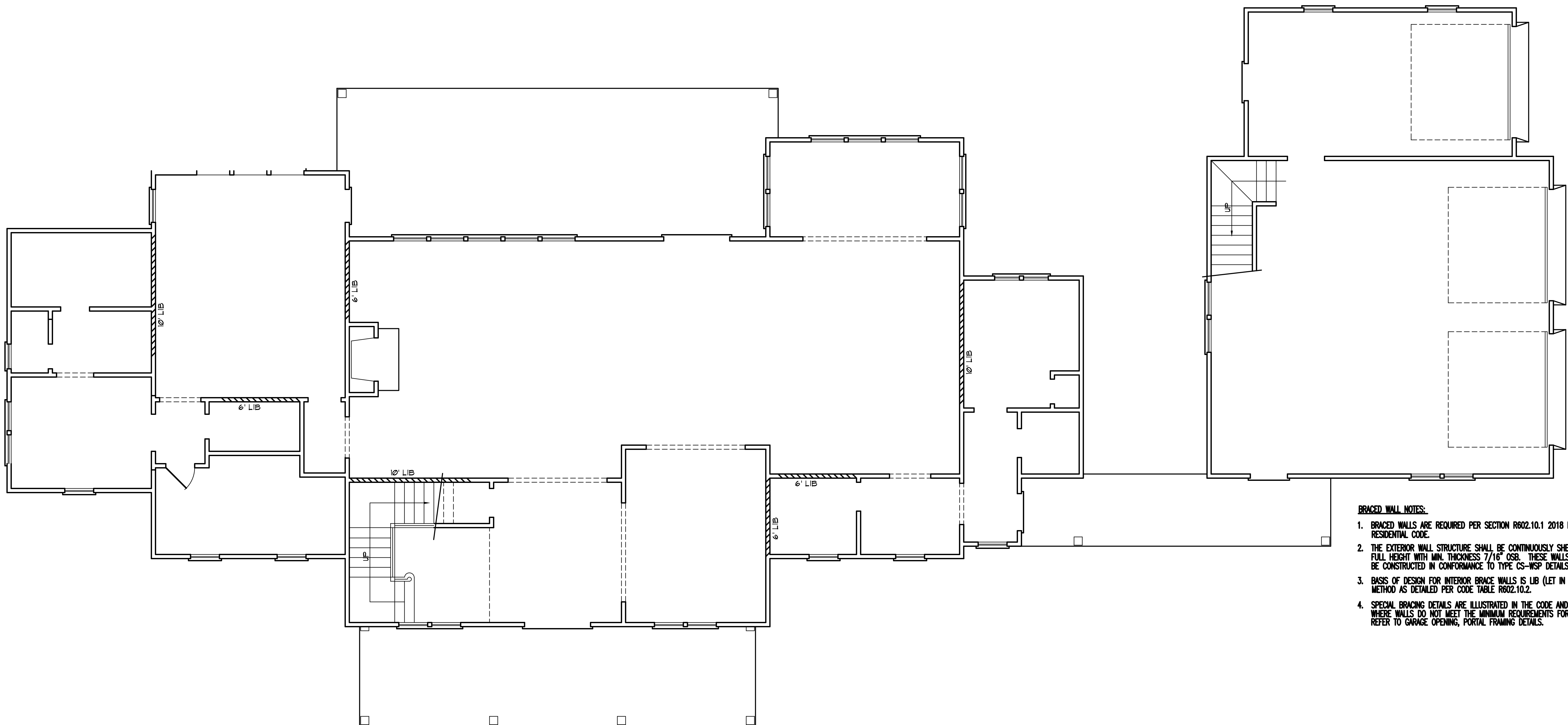
Jason/Ashlee Savage
Cane Mill Road
Coats, NC

DESCRIPTION:
CEILING FRAMING
PLAN

REVISION:

DATE:
06/04/2021

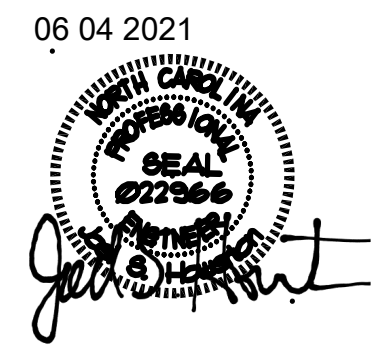
S3



- BRACED WALL NOTES:**
1. BRACED WALLS ARE REQUIRED PER SECTION R602.10.1 2018 NCBC 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 LIB (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.

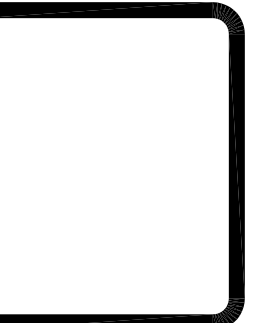
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S4
01 BRACE WALL PLAN
 1/4"=1'-0"

Plan No. 3745-15



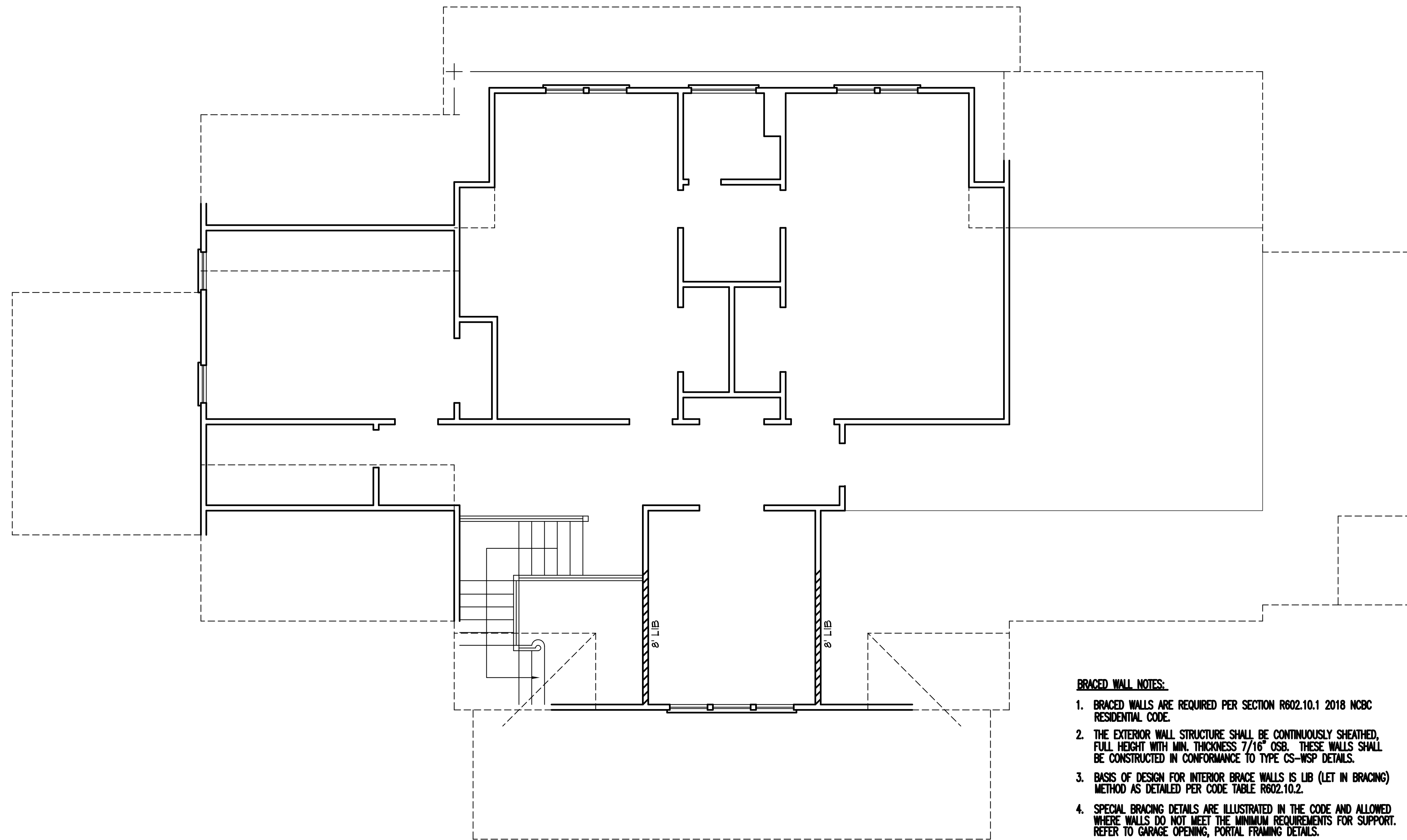
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BUILDING DESIGN BY:
 VUNCANNON DESIGNS

Jason/Ashlee Savage
 Cane Mill Road
 Coats, NC

DESCRIPTION: BRACING PLAN
REVISION:
DATE: 06/04/2021





BRACED WALL NOTES:

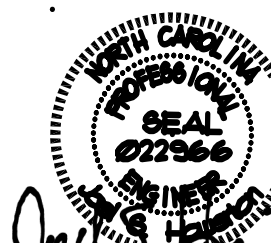
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3. BASIS OF DESIGN FOR INTERIOR BRACE WALLS IS LTB (LET IN BRACING) METHOD AS DETAILED PER CODE TABLE R602.10.2.
4. SPECIAL BRACING DETAILS ARE ILLUSTRATED IN THE CODE AND ALLOWED WHERE WALLS DO NOT MEET THE MINIMUM REQUIREMENTS FOR SUPPORT. REFER TO GARAGE OPENING, PORTAL FRAMING DETAILS.

STRUCTURAL EVALUATION BY:

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

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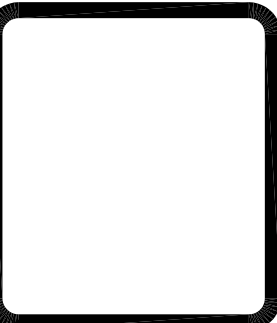
06/04/2021



Jason Savage

S5
01 BRACE WALL PLAN
 1/4"=1'-0"

Plan No. 3745-15



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

BUILDING DESIGN BY:
 VUNCANNON DESIGNS

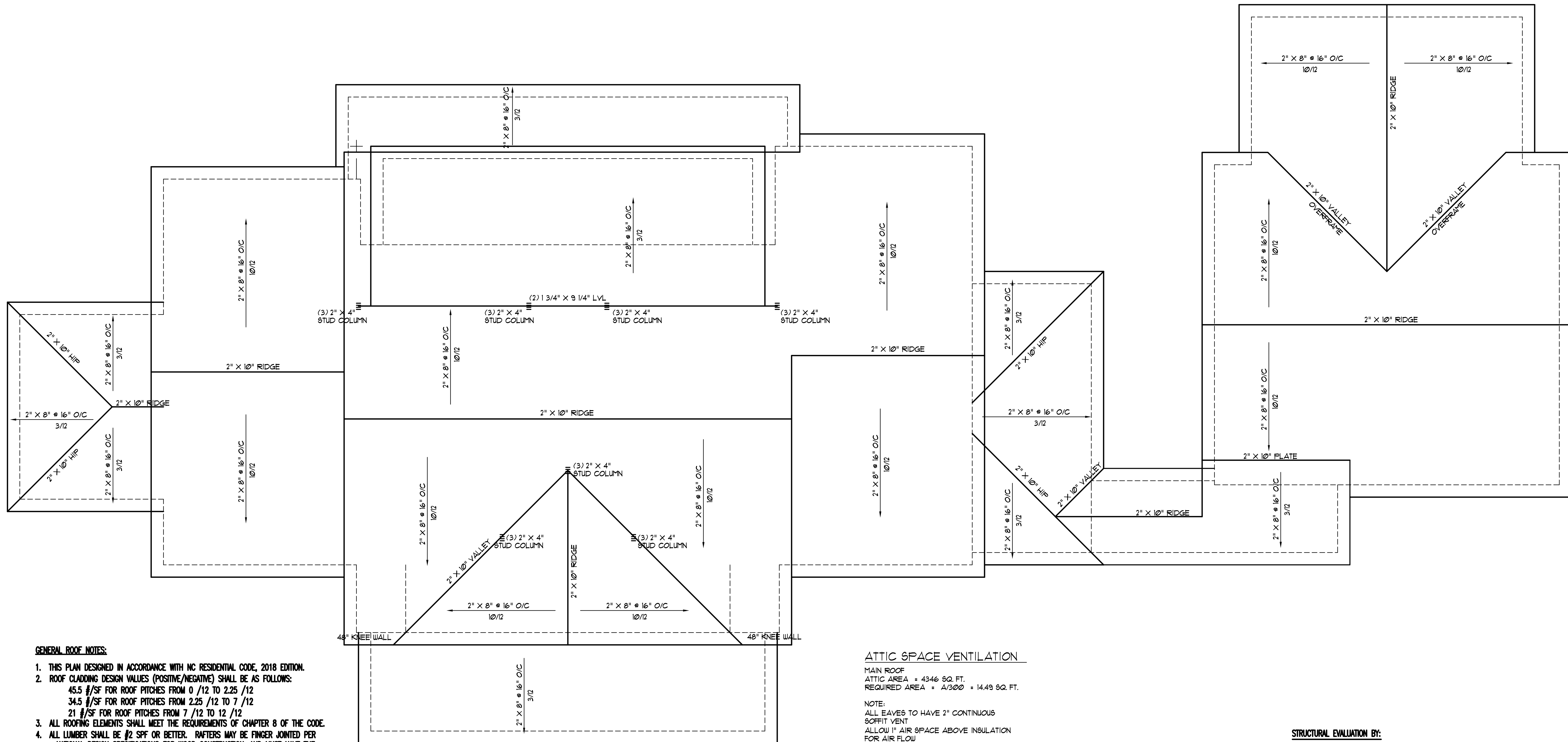
Jason/Ashlee Savage
 Cane Mill Road
 Coats, NC

DESCRIPTION:
 BRACING PLAN

REVISION:

DATE:
 06/04/2021

OWNER:
S5



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 HIP RAFTERS TO BE SPICED 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 = 4346 SQ. FT.
 REQUIRED AREA = A/300 = 14.49 SQ. FT.

NOTE:
 ALL EAVES TO HAVE 2" CONTINUOUS SOFFIT VENT
 ALLOW 1" AIR SPACE ABOVE INSULATION FOR AIR FLOW

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06/04/2021



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

S6
01 ROOF PLAN
 1/4"=1'-0"

Plan No. 3745-15

Jason/Ashlee Savage
 Cane Mill Road
 Coats, NC

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 RD., RALEIGH N.C. 27614

DESCRIPTION:
 ROOF PLAN

DATE:
 06/04/2021

S6