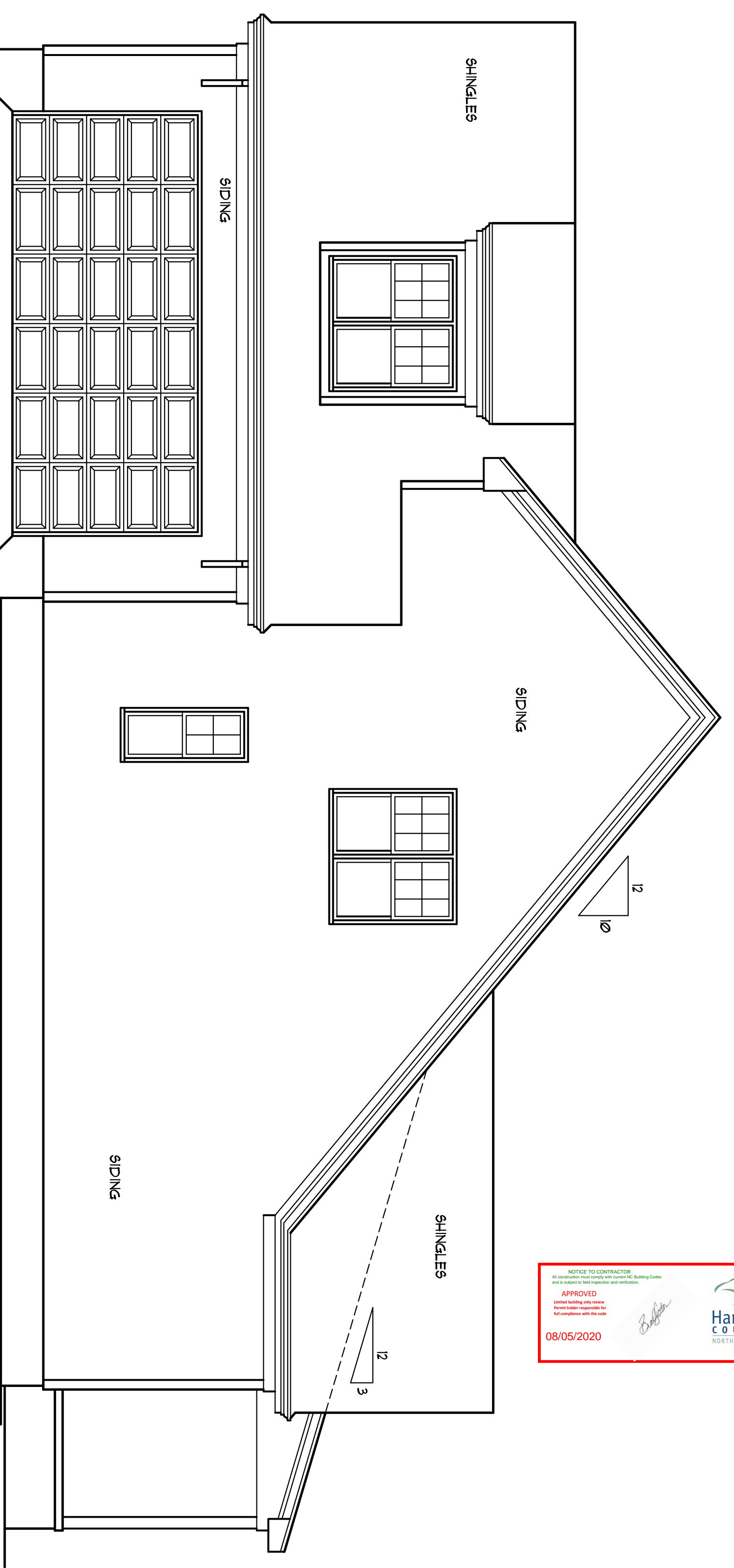


BUILDER SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT TIME OF CONSTRUCTION.
 ALL CONSTRUCTION SHALL CONFORM TO THE 2018 EDITION OF THE NC STATE BUILDING CODE. DIMENSIONS GOVERN OVER DRAWINGS.
 VERIFY ALL MECHANICAL REQUIREMENTS BEFORE FRAMING.
 YUNCANNON DESIGNS DOES NOT ASSUME LIABILITY FOR ANY DEVIATION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



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



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

MILTON BUILT HOMES
 Young Residence

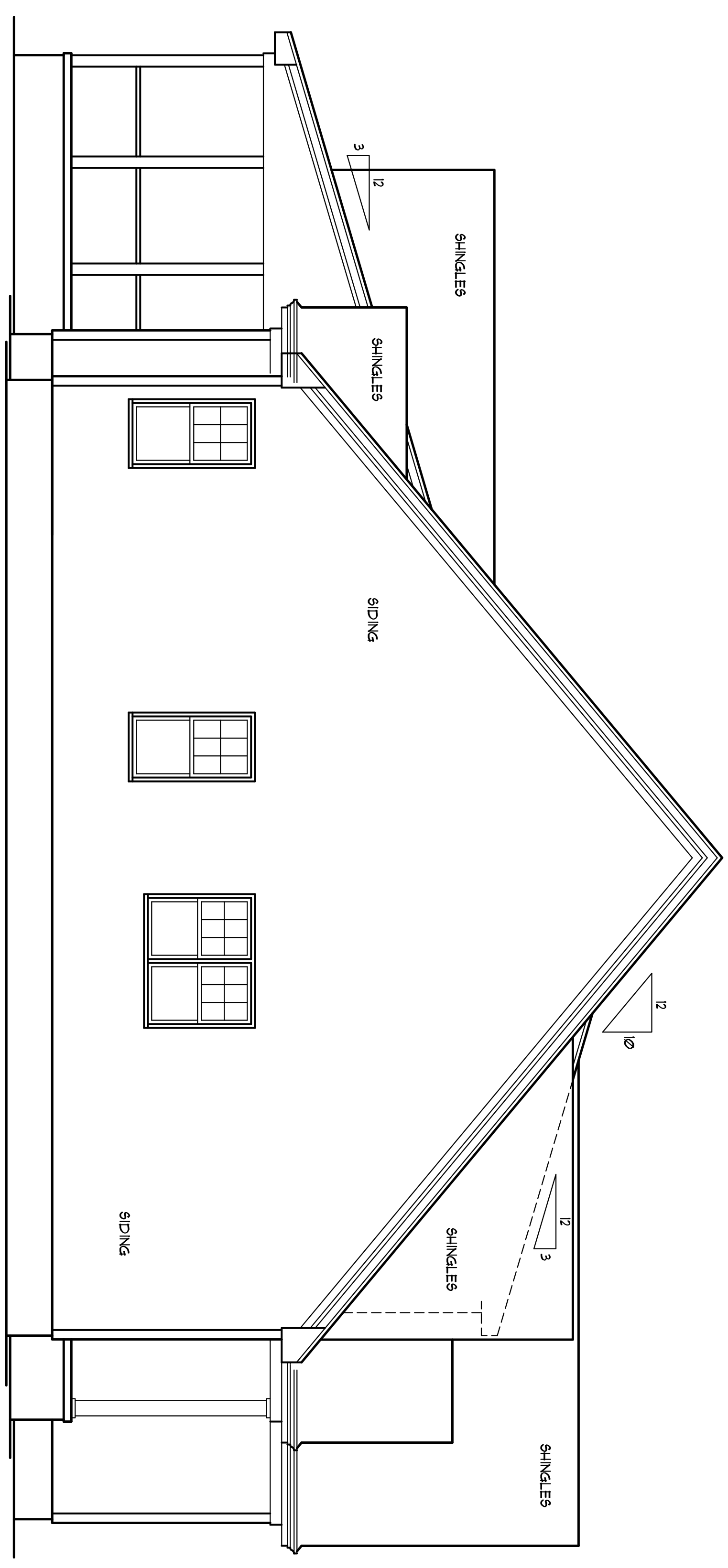
YUNCANNON DESIGNS
 CUSTOM HOME PLANS
 FUQUAY-VARINA, NC - (919) 421-1314

DRAWN BY : UNV
 CKD BY : UNV
 DATE : 03/20/20
 REVISIONS :

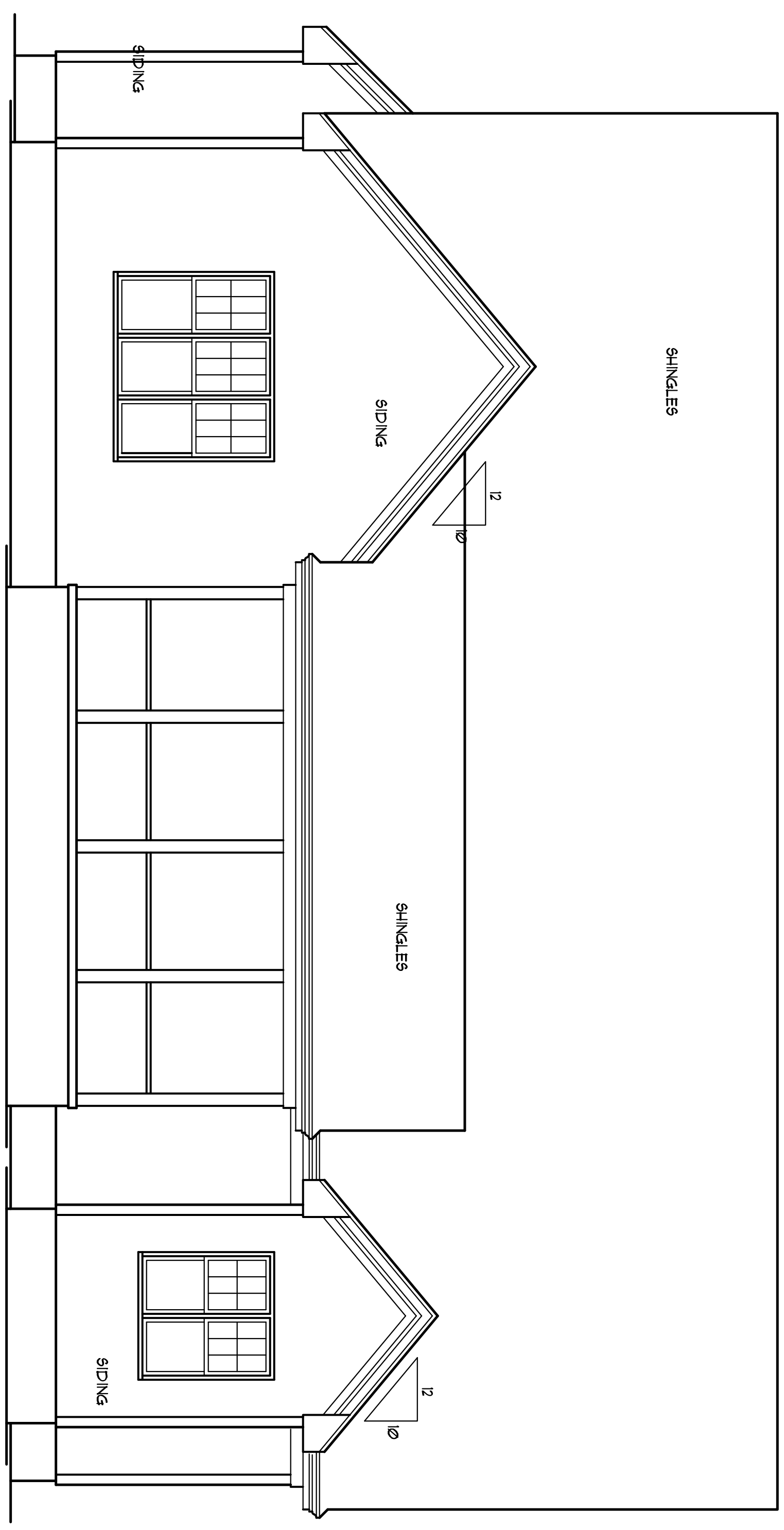
Plan No. 2643-15-Y

SHEET
 A-1

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. 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.



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



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

MILTON BUILT HOMES
 Young Residence

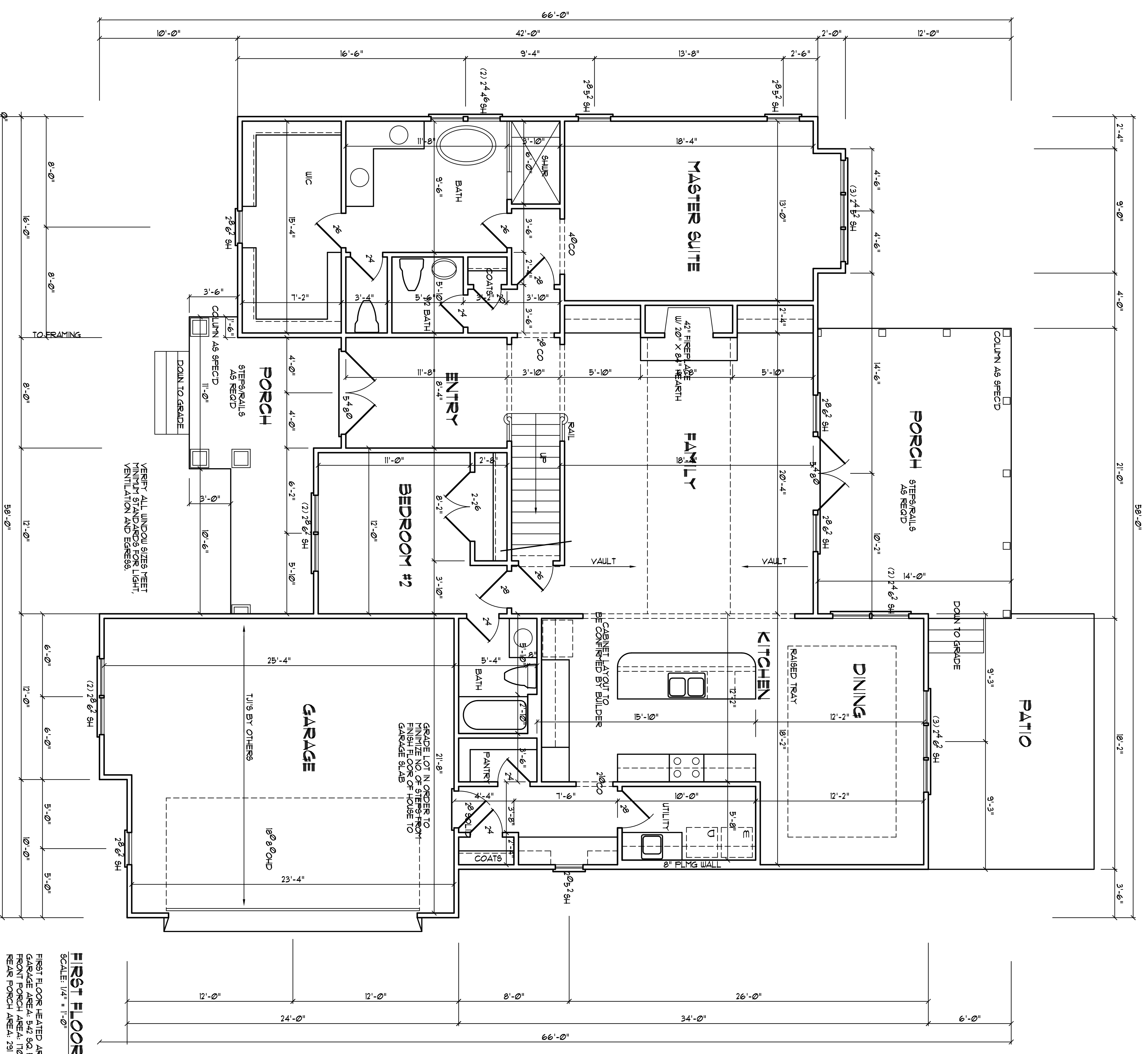
YUNCANNON DESIGNS
 CUSTOM HOME PLANS
 FUQUAY-VARINA, NC - (919) 421-1314

DRAWN BY : UNV
 CKD BY : UNV
 DATE : 03/20/20
 REVISIONS :

Plan No. 2643-15-Y

SHEET
 A-2

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 DIMENSIONS GOVERN OVER SCALE.
 VERIFY ALL MECHANICAL REQUIREMENTS BEFORE FRAMING.
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- NOTE**
- 1) SLOPE - SEE LAYOUT
 - 2) FINISH FLOOR AT 1'-0" ABOVE FINISHED FLOOR
 - 3) DOOR & ALL JOINTS PARALLEL TO WALLS ABOVE
 - 4) USE TYPED OR GILDING AT 1/8" GAUGE ABOVE FINISHED FLOOR WITH MINIMUM 1/4" OF FINISHING COVERS ON BOTH SIDES
 - 5) USE 2X6S AS BEARING FRAMING ON ALL MECHANICAL DECKS
 - 6) ATTIC ACCESS THROUGH HATCH
 - 7) SLOPE AND DRAINAGE TO BE ON RELATED MATERIAL
 - 8) ROOMS TO BE FINISHED 6" ABOVE FINISHED FLOOR
 - 9) ROOMS NOT FINISHED TO LOCATE TO BE 20 MINUTE FIRE RATED, ADD CEILING OPTION TO GARAGE & HEATED SPACE
 - 10) FINISH TO BE CONCRETE FROM EXTERIOR TO GARAGE
 - 11) PROVIDE TREATED BANG AT CONCRETE

FIRST FLOOR PLAN
 SCALE: 1/4" = 1'-0"
 FIRST FLOOR HEATED AREA: 2043 SQ. FT.
 GARAGE AREA: 542 SQ. FT.
 FRONT PORCH AREA: 110 SQ. FT.
 REAR PORCH AREA: 29 SQ. FT.

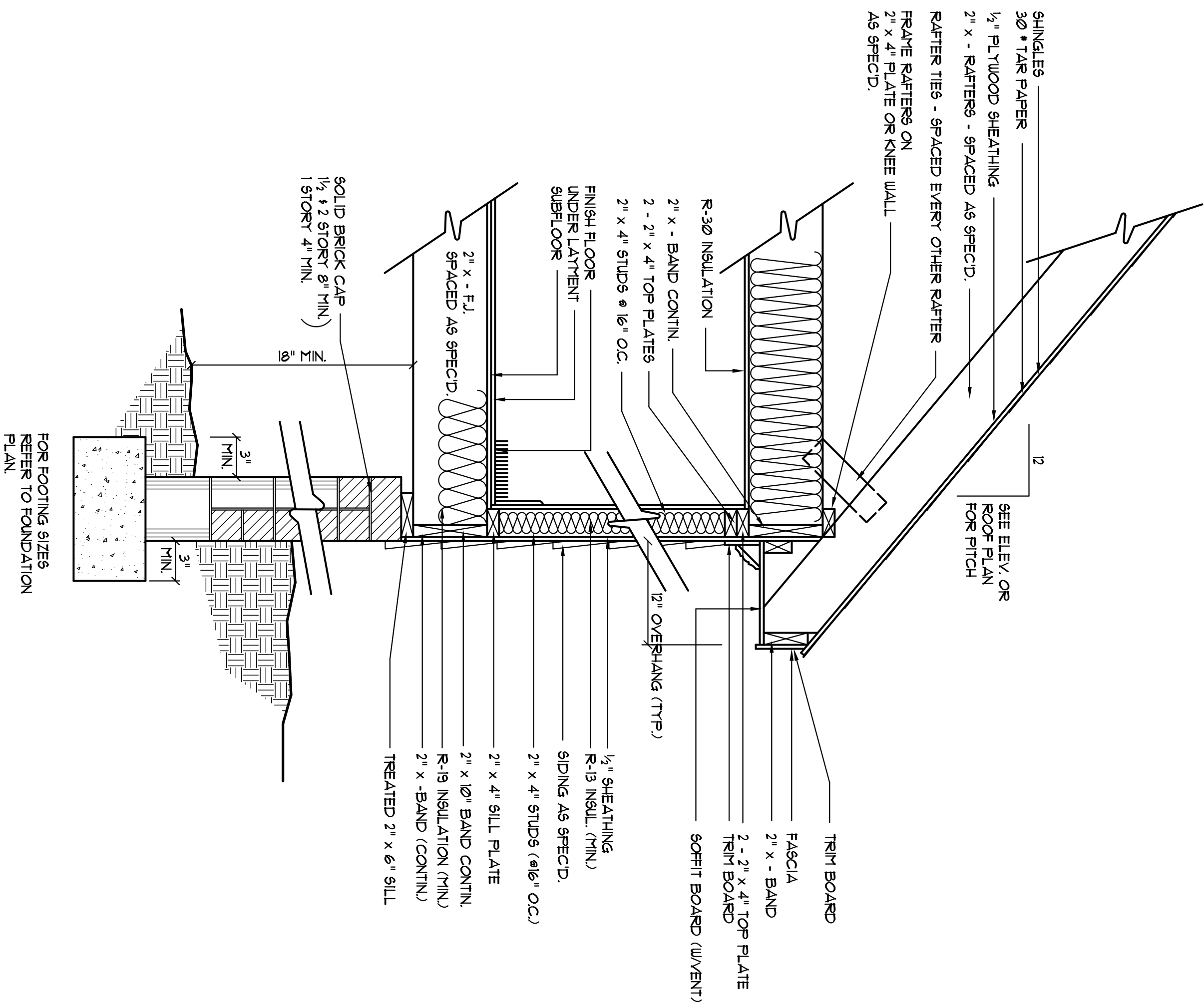
Plan No. 2643-15-Y

MILTON BUILT HOMES
 Young Residence

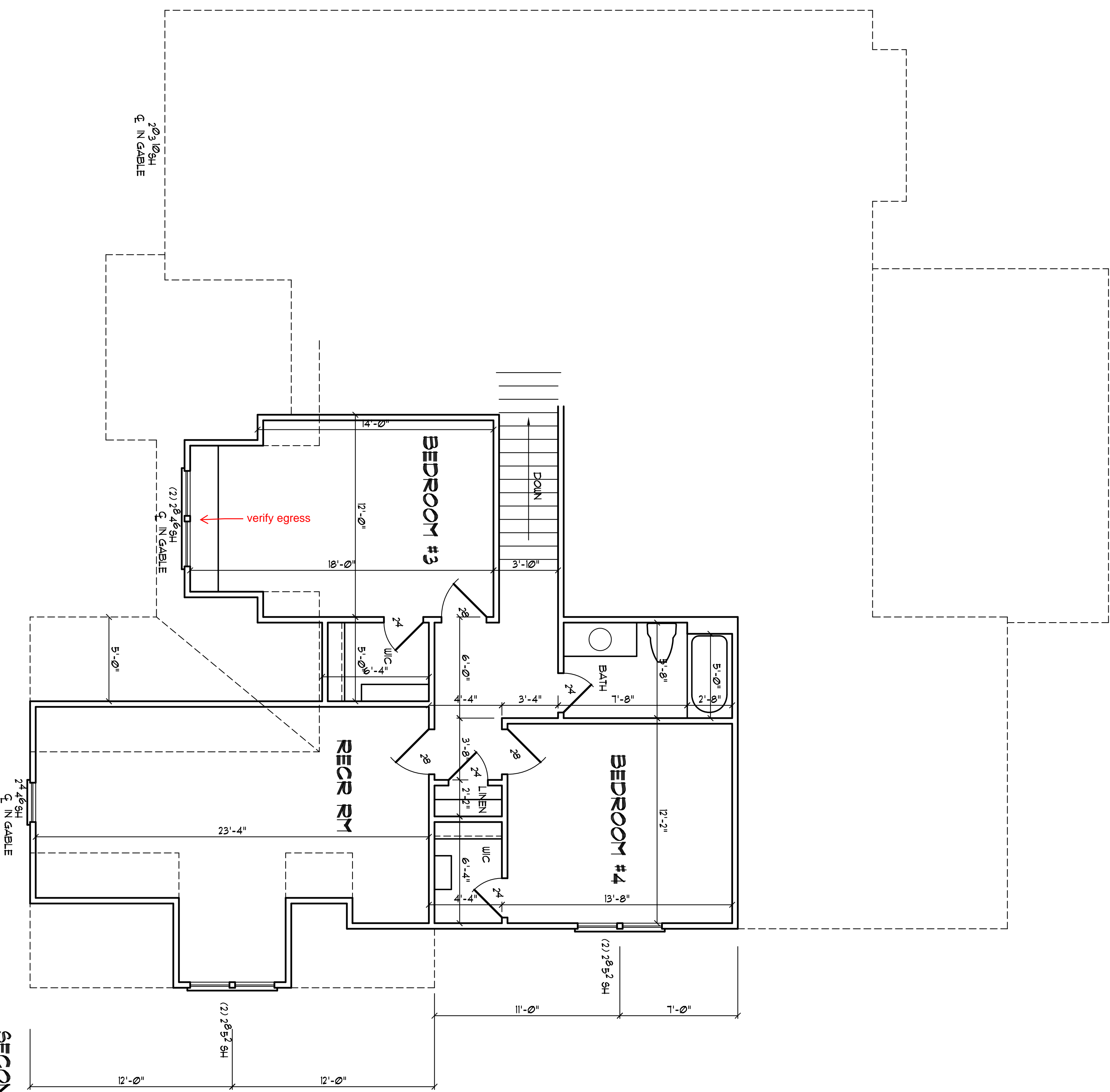
YUNCANNON DESIGNS
 CUSTOM HOME PLANS
 FUQUAY-VARINA, NC - (919) 421-1374

DRAWN BY : UNV
 CKD BY : UNV
 DATE : 03/20/20
 REVISIONS :
 SHEET
A-3

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 FRAMING.
 YUNCANNON DESIGN'S DOES NOT ASSUME LIABILITY FOR ANY DEVIATION OF OR CONSTRUCTION METHODS OF THESE PLANS.



EXTERIOR WALL SECTION
 SCALE: NTS



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

- NOTE**
- 1) 8'-0" CEILING HEIGHT
 - 2) REMOVE UNIFORM AT S.L.B. ABOVE FINISHED FLOOR
 - 3) DOUBLE F. ALL DOORS EXCEPT TO BATHS ABOVE
 - 4) REMOVE EXISTING DOORS AT THIS LOCATION & REINSTALL NEW DOORS WITH WEIGHT OF SINKING DOORS.
 - 5) USE DOORS AS EXISTING PER UNIFORM
 - 6) 2\"/>

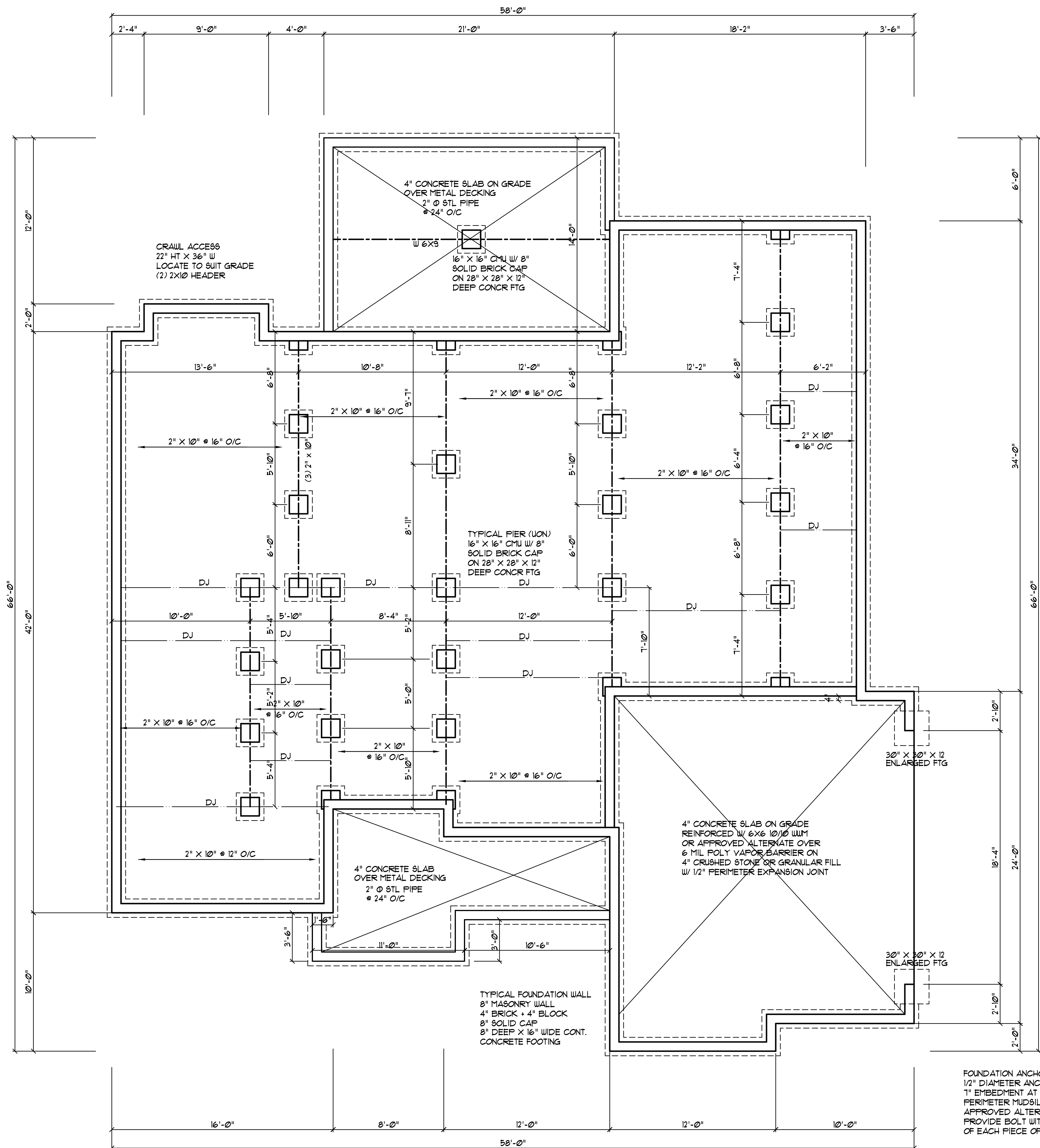
SECOND FLOOR HEATED AREA: 6000 SQ. FT.
 RECR ROOM AREA: 314 SQ. FT.

Plan No. 2643-15-Y

MILTON BUILT HOMES
 Young Residence

YUNCANNON DESIGNS
 CUSTOM HOME PLANS
 FUQUAY-VARINA, NC - (919) 421-1374

DRAWN BY: UNY
 CKD BY: UNY
 DATE: 03/20/20
 REVISIONS:
 SHEET
A-4



CRAWL SPACE VENTILATION
 PROVIDE AT LEAST 10 SQ. FT. NET FREE VENTILATION AREA FOR EACH 150 SQ. FT. OF CRAWL SPACE
 CRAWL SPACE AREA:
 2504 / 150 = 16.69 SQ. FT. REQ'D.
 REDUCE REQUIRED AREA TO 10 SQ. FT. NET FREE VENTILATION AREA FOR EACH 150 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

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 100 MPH WIND ZONES ONLY.
7. FOUNDATION WALLS SHALL BE 8" BLOCK UNLESS NOTED OTHERWISE.
8. (2) #4 BARS IN FOOTINGS RUN CONTINUOUSLY.

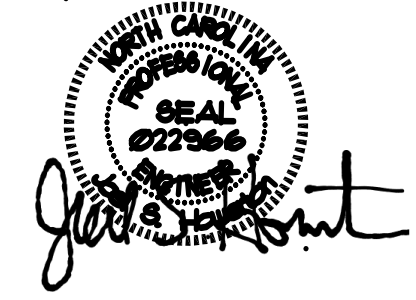
STRUCTURAL EVALUATION BY:

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

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- * DO NOT SCALE THESE DRAWINGS - ENGINEERING APPROVAL EXPIRES 04/01/2021

03 29 2020

INDICATES POINT LOAD ABOVE



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

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

BUILDING DESIGN BY:
 VUNCANNON DESIGNS

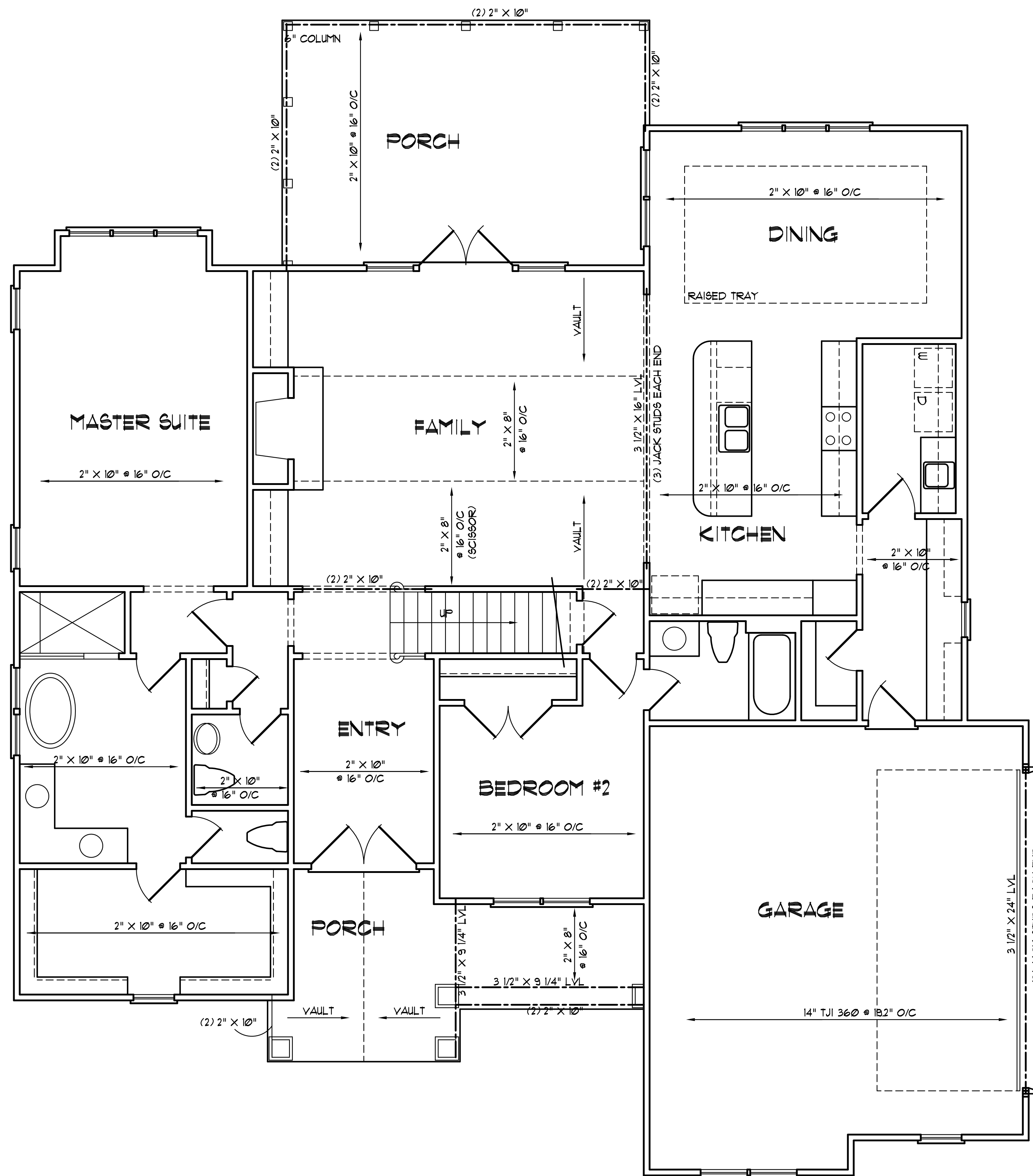
MILTON BUILT HOMES
Plan No. 2643-15-S

DESCRIPTION:
 FOUNDATION PLAN

REVISION:

DATE:
 03/30/2020

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.
- 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

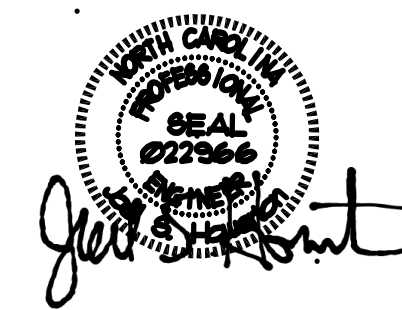
MINIMUM NUMBER OF FULL-HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

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

STRUCTURAL EVALUATION BY:

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

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03 29 2020

S2
01

FIRST FLOOR FRAMING

1/4"=1'-0"

FIRST FLOOR HEATED AREA: 2043 SQ. FT.
GARAGE AREA: 593 SQ. FT.
FRONT PORCH AREA: 170 SQ. FT.
REAR PORCH AREA: 291 SQ. FT.

MILTON BUILT HOMES
Plan No. 2643-15-S

DESCRIPTION:
MAIN LEVEL
FLOOR FRAMING

REVISION:

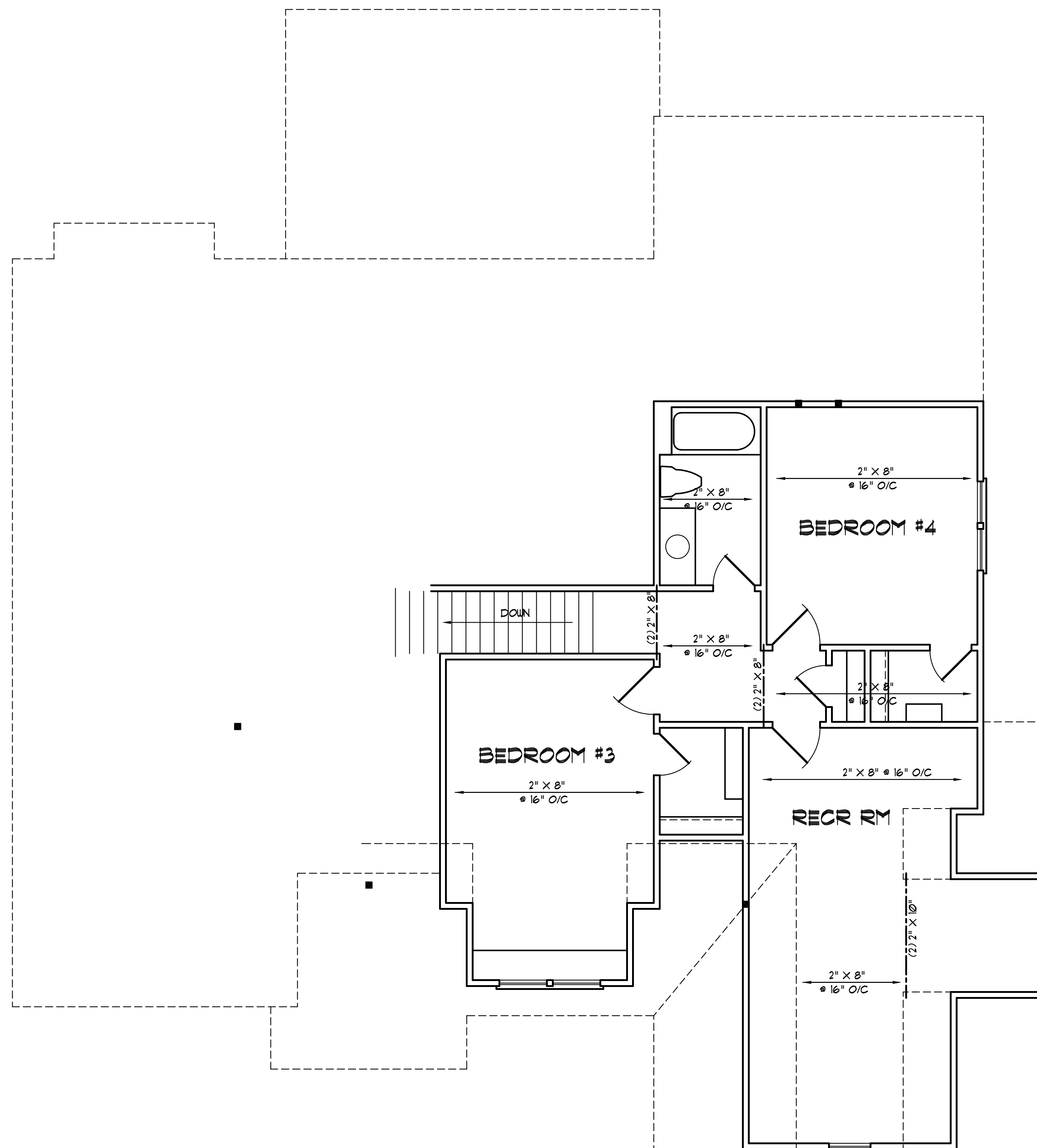
DATE:
03/30/2020

OWNER:

S2

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

BUILDING DESIGN BY:
VUNCANNON DESIGNS



GENERAL FRAMING NOTES:

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- GLAZING AREA 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.
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- 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.

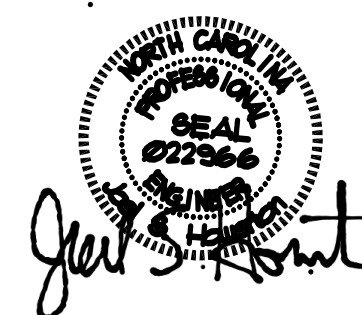
TABLE R602.7.5
MINIMUM NUMBER OF FULL-HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

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

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03/29/2020

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

SECOND FLOOR HEATED AREA: 600 SQ. FT.
RECR ROOM AREA: 312 SQ. FT.

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

BUILDING DESIGN BY:
VUNCANNON DESIGNS

MILTON BUILT HOMES
Plan No. 2643-15-S

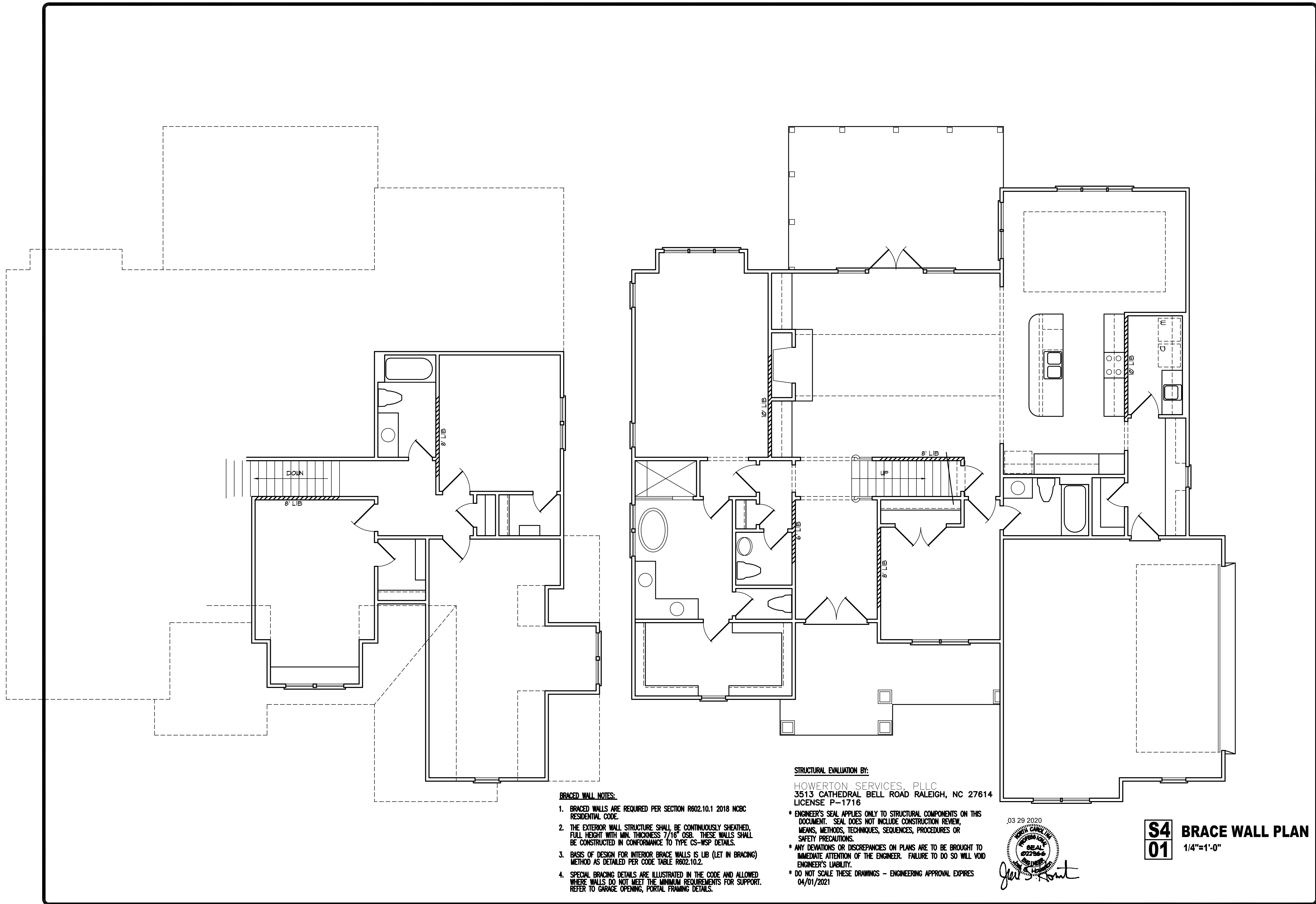
DESCRIPTION:
CEILING FRAMING
PLAN

REVISION:

DATE:
03/30/2020

OWNER:

S3



BRACED WALL NOTES:

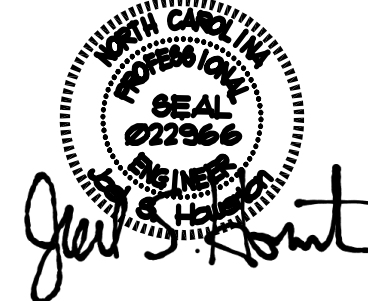
1. BRACED WALLS ARE REQUIRED PER SECTION R602.10.1 2018 NCBC RESIDENTIAL CODE.
2. THE EXTERIOR WALL STRUCTURE SHALL BE CONTINUOUSLY SHEATHED, FULL HEIGHT WITH MIN. THICKNESS 7/16" OSB. THESE WALLS SHALL BE CONSTRUCTED IN CONFORMANCE TO TYPE CS-WSP DETAILS.
3. BASIS OF DESIGN FOR INTERIOR BRACE WALLS 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.

STRUCTURAL EVALUATION BY:

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

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03 29 2020



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

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

BUILDING DESIGN BY:
 VUNCANNON DESIGNS

MILTON BUILT HOMES
Plan No. 2643-15-S

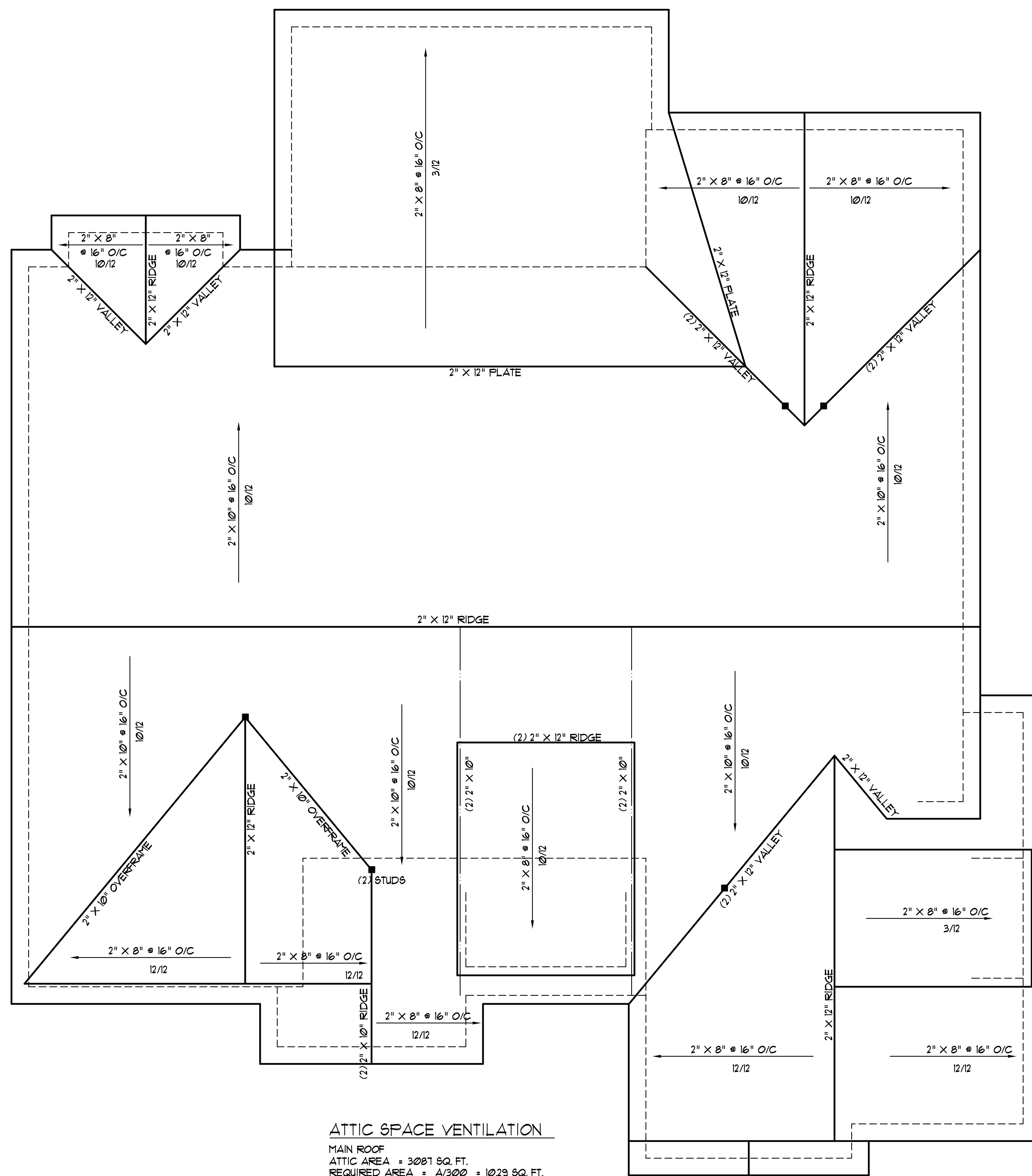
DESCRIPTION:
 BRACING PLAN

REVISION:

DATE:
 03/30/2020

OWNER:

S4



ATTIC SPACE VENTILATION
 MAIN ROOF
 ATTIC AREA = 3081 SQ. FT.
 REQUIRED AREA = A/300 = 1029 SQ. FT.

NOTE:
 ALL EAVES TO HAVE 2\"/>

GENERAL ROOF NOTES:

1. THIS PLAN DESIGNED IN ACCORDANCE WITH NC RESIDENTIAL CODE, 2018 EDITION.
2. 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
3. ALL ROOFING ELEMENTS SHALL MEET THE REQUIREMENTS OF CHAPTER 8 OF THE CODE.
4. 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.
5. RAFTER SIZES, SPANS AND SPACING SHALL NOT EXCEED THE FOLLOWING:

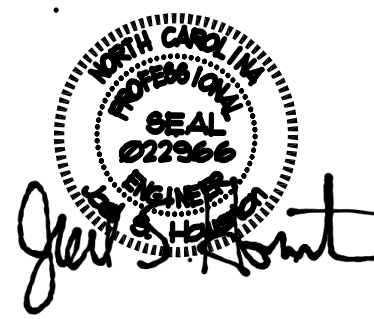
SIZE	2X6	2X8	2X10
SPACING 12" O.C.	14'-9"	19'-6"	24'-10"
SPACING 16" O.C.	13'-5"	17'-9"	22'-3"
6. ALL RAFTERS TO BE 2X8 @ 16" O.C. #2 SPF UNLESS NOTED OTHERWISE.
7. 2-2X10 HIPS MAY BE SPLICED WITH A MIN. 6'-0" OVERLAP.
8. PROVIDE DOUBLE RAFTER EACH SIDE OF DORMERS WITH DOUBLE HEADER.
9. ATTACH VAULTED RAFTERS WITH HURRICANE CLIP SIMPSON "H-5" OR EQUIVALENT. PROVIDE DOUBLE OPPOSING RAFTERS WHERE NOTED.
10. 2X8 RAFTERS @ CATHEDRAL OR VAULTED CEILINGS TO BE FURRED DOWN 2" OR USE 2X10 RAFTERS FOR INSULATION PER CODE.
11. PROVIDE 2X4 COLLAR TIES EVERY SECOND RAFTER (TYPICAL)
12. PROVIDE 2X4 RAFTER TIES @ 32" O.C. (TYPICAL)
13. FRAME RAFTERS ON 2X4 PLATE ON TOP OF CEILING JOISTS UNLESS NOTED OTHERWISE.
14. SHINGLES ASSUMED TO BE 240 LB. FIBERGLASS, OR EQUAL. MINIMUM ROOF PITCH TO BE AS INDICATED ON ARCHITECTURAL PLAN SHEETS.
15. PROVIDE DOUBLE LAYER OF ROOF FELT WHERE ROOF PITCH IS LESS THAN 4 /12.
16. THESE DESIGN DRAWINGS WERE PRODUCED BY HOWERTON CONSULTING ENGINEERING, INC ASSUMES NO LIABILITY FOR THE CORRECTNESS OF ARCHITECTURAL FEATURES, DIMENSIONS OR FIXTURES.
17. ALL HIP RIDGES AND VALLEYS SHALL BE DOUBLE 2X10 UNLESS NOTED OTHERWISE.
18. CONTRACTOR IS RESPONSIBLE FOR REVIEWING DRAWINGS FOR CONSTRUCTABILITY PRIOR TO BEGINNING CONSTRUCTION.
19. 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.
20. DO NOT SCALE THESE DRAWINGS. IF DISCREPANCIES ARE NOTED, CONTACT THE ENGINEER.
21. DESIGN BASES PROVIDED BY S&S CONTRACTING INC., FUQUAY VARINA, NC AND THEY ARE RESPONSIBLE FOR ALL ARCHITECTURAL FEATURES, DIMENSIONS, COMPLIANCE WITH ALL ACCESS/EGRESS REQUIREMENTS, FIRE CODE AND LIFE SAFETY DESIGN ISSUES.

STRUCTURAL EVALUATION BY:

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

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■ INDICATES (3) 2X4 STIFF KNEE ON BEAM BELOW



03 29 2020

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

MILTON BUILT HOMES
Plan No. 2643-15-S

DESCRIPTION:
 ROOF PLAN

REVISION:

DATE:
 03/30/2020

S5

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

BUILDING DESIGN BY:
 VUNCCANNON DESIGNS