<u>Plan Notes:</u>

1. This Plan is designed to the 2018 North Carolina Residential Code.

2. House is designed for 115 MPH, Exposure B.

3. Anchor bolts shall be minimum $\frac{1}{2}$ " diameter and shall extend a minimum 7" into masonry or concrete. Anchor bolts are to be no more 6' O.C. and not more than 12" from the corners.

4.Mean Roof Height less than 35'.

5. Components and Claddings are designed for the following loads:

<u>Mean roof Height</u>	<u>Up to 30'</u>	<u> 30'-1"-35'</u>	<u>35' 1"- 40'</u>
Zone 1	16.5-1 8.00	17.3-18.9	18.0-19.6
Zone 2	16.5-21 .0	17.3-22.1	18.0 -22 .9
Zone 3	16.5-21.0	17.3-22.1	18.0 -22 .9
Zone 4	18.0-19. 5	18.9 -2 0.5	19.6-21.3
Zone 5	18.0 -24 .1	18.9 -25 .3	19.6-26.3

Minimum value for energy compliance: 6.

Zone 4A:	Windows U-Factor is 0.35
Insulation for ceiling:	R38 or R-30 (See Table N1102.1, 2)
Insulation for Malls:	R-15 (See Table N1102.1, 2)
Insulation for floor:	R -19







DATE:1/31/2023

SCALE: 1/4'=1'0"

SHEET: 1

Designed by

Drawn by VGB

<u>Plan Notes:</u>

^{1.} This Plan is designed to the 2018 North Carolina Residential Code.

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3. Anchor bolts shall be minimum $\frac{1}{2}$ " diameter and shall extend a minimum 7" into masonry or concrete. Anchor bolts are to be no more 6' O.C. and not more than 12" from the corners.

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5. Components and Claddings are designed for the following loads:

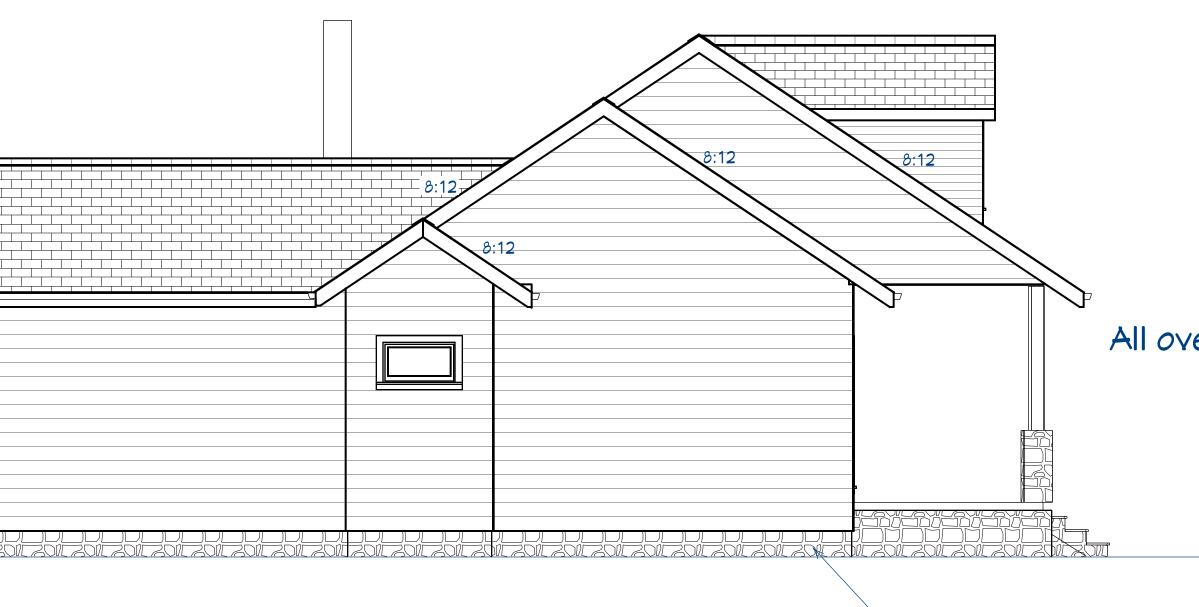
<u>Mean roof Height</u>	<u>Up to 30'</u>	<u> 30'-1"-35'</u>	<u>35' 1"- 40'</u>
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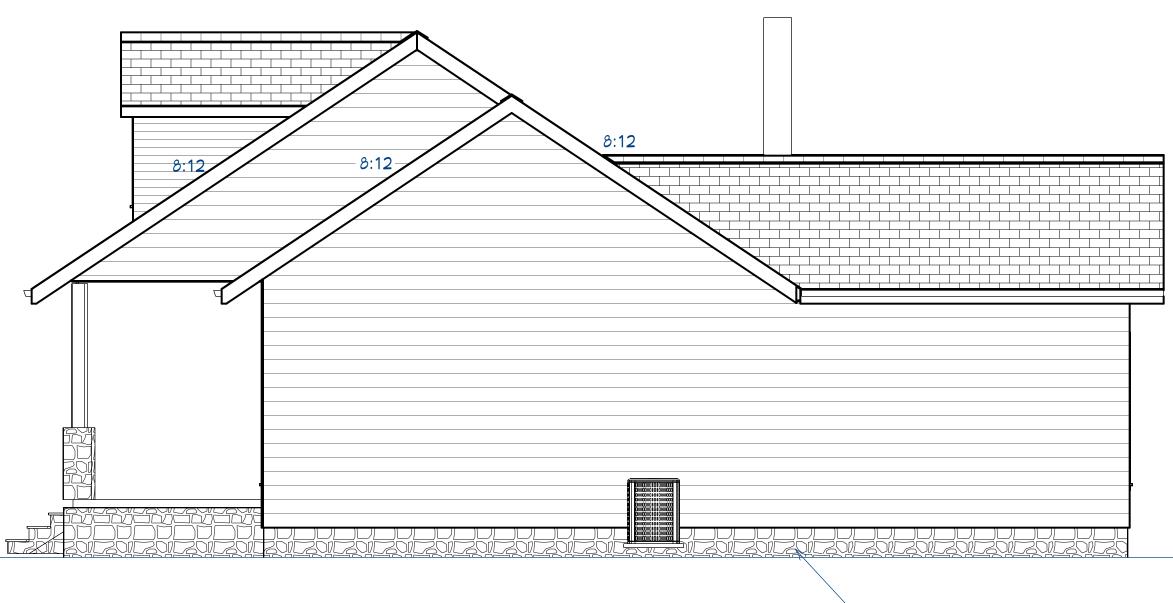
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All roof planes shingles



Left Elevation





Right Elevation

Stucco or stone per owner

Architectural Layout plans were prepared by others. Civil and Structural Engineering Services, PLLC. provided drafting and structural design services. the professional seal and signature affixed below certify that plans as marked/noted meet load requirements of North Carolina Building Code, Residential 2018

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SAMIR W. BAHHO, PE CTURAL ENGINEERING

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DATE:1/31/2023

SCALE: 1/4'=1'0"

SHEET: 2

Designed by

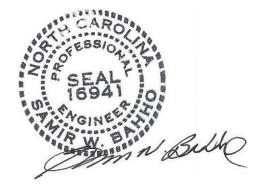
Drawn by VGB

No

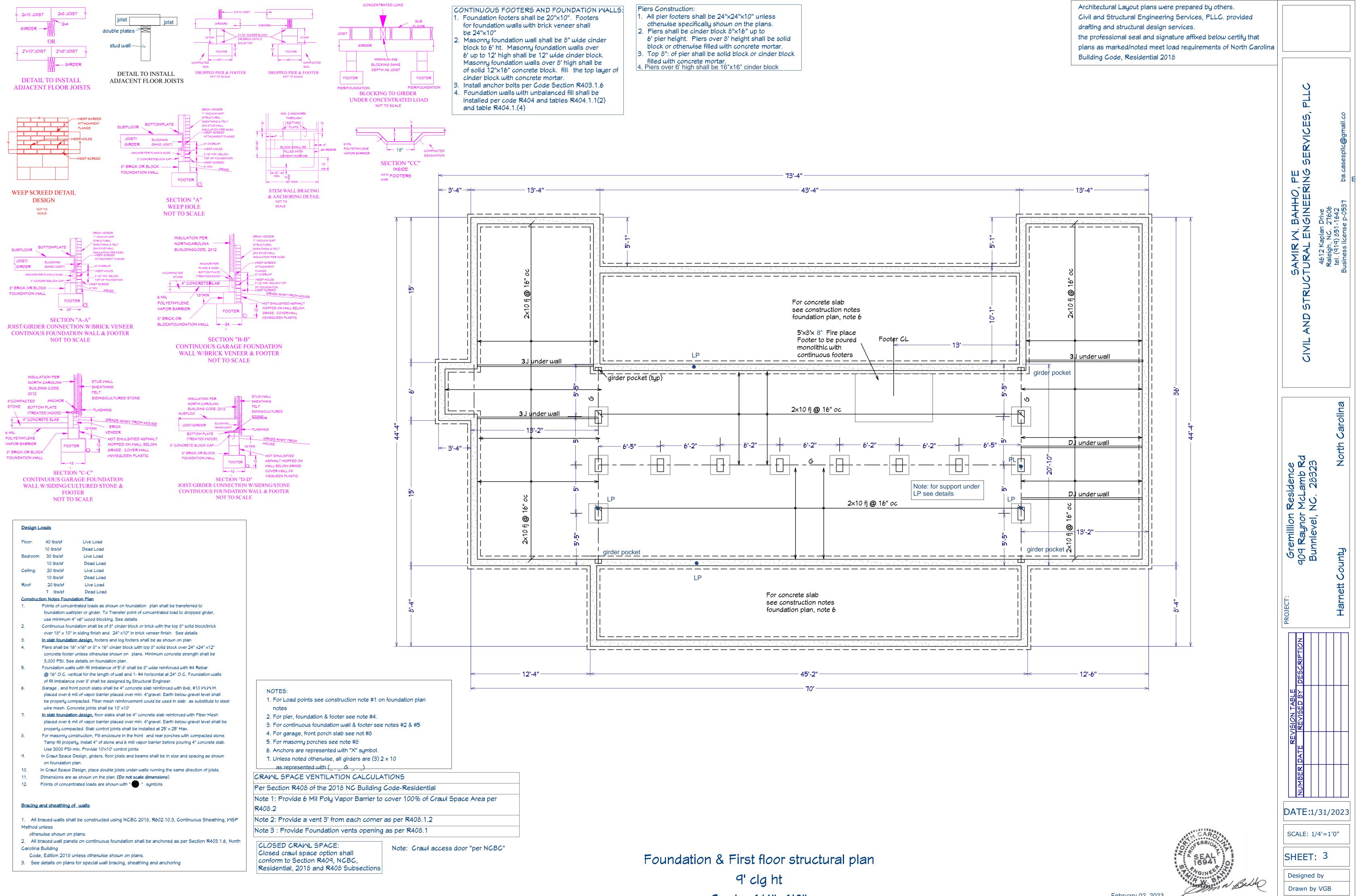
Drive 27606 -1642 e p-053

12 Kapıcı sigh, NC. (919) 851 '`ensı

All overhangs 18"



February 02, 2023

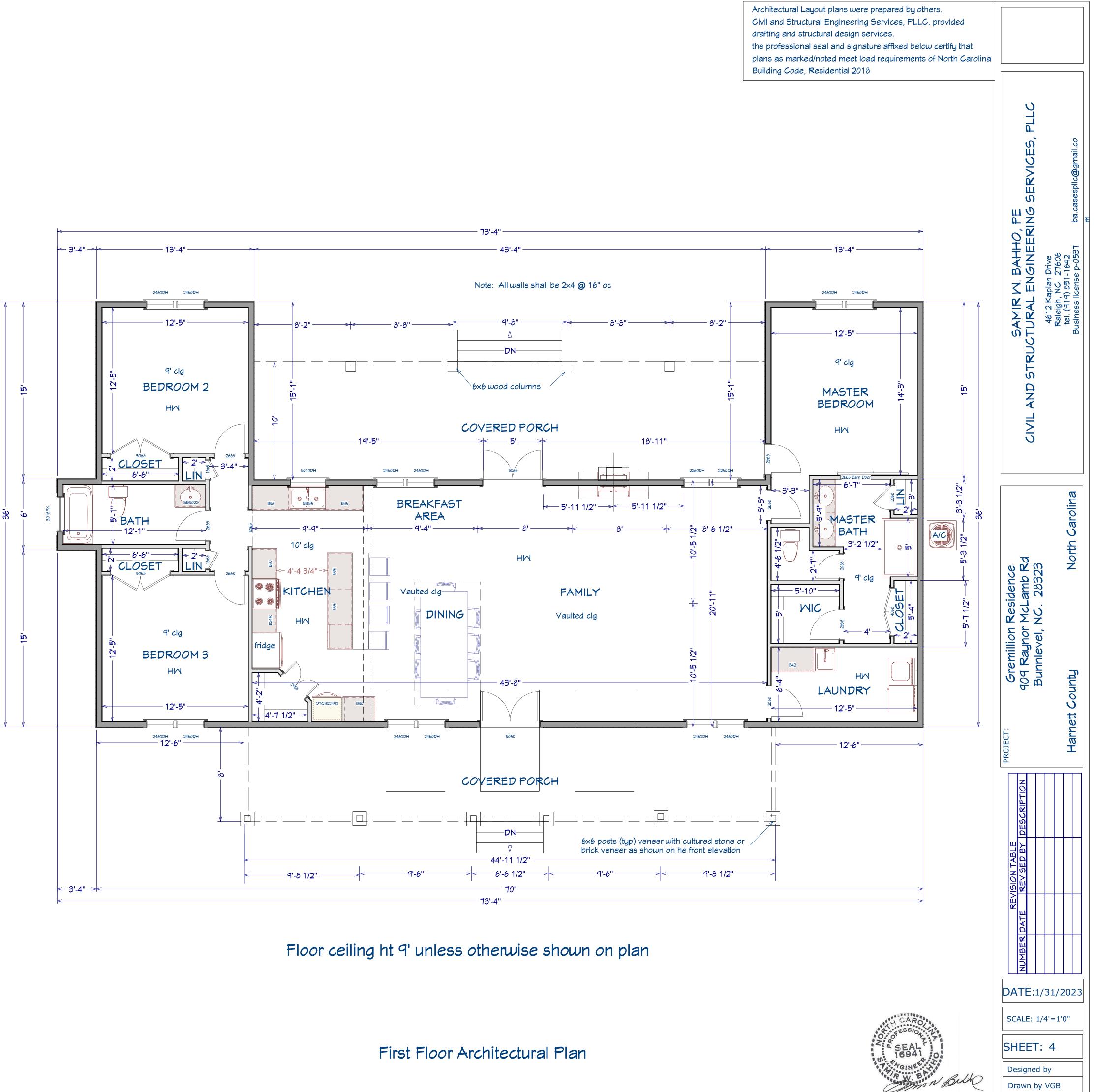


Scale: 1/4"=1'0"

<u>Plan Notes:</u>				
^{1.} This Plan is designed	to the 2018 North o	Carolina Resider	tial Code.	
2. House is designed for	r 11 <mark>5 MPH</mark> , Exp <i>o</i> sur	еВ.		
3. Anchor bolts shall be	minimum ½" diamet	er and shall exte	nd a minimum 7 " into	
masonry or concrete. A	nchor bolts are to be	no more 6' O.C.	and not more than 12'	
from the corners.				
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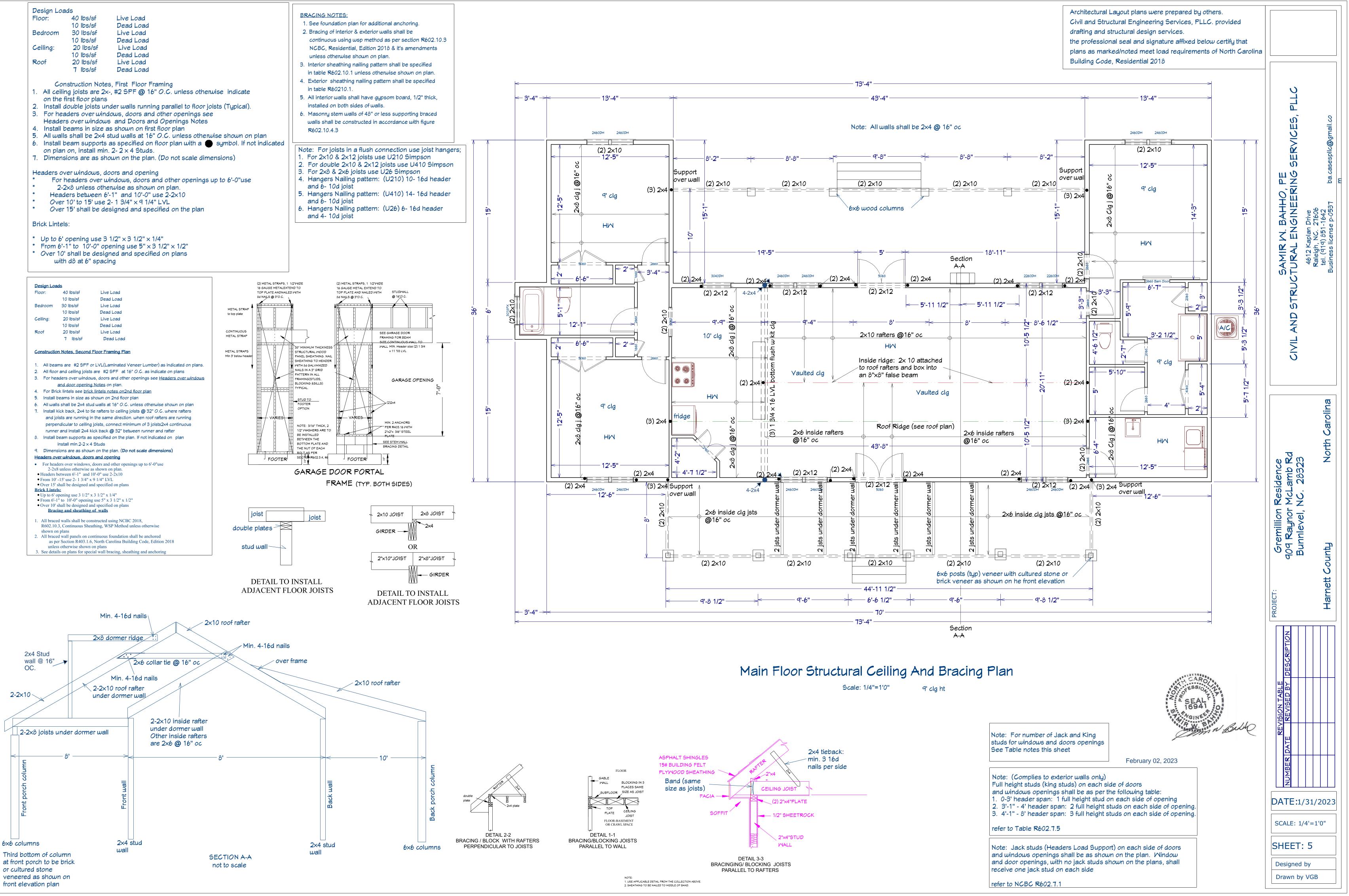
Area Chart:

1.	Heated Area	1900 SF
2.	Covered front porch	432 SF
3.	Covered back porch	360 SF



Scale: 1/4"=1'0"

February 02, 2023



front elevation plan

<u>Design Loads</u>

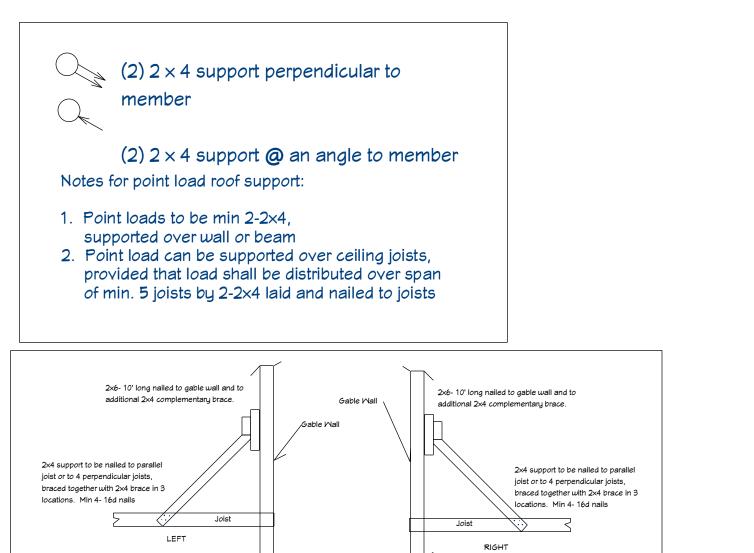
Floor:	40 lbs/sf	Live Load
	10 lbs/sf	Dead Load
Bedroom	30 lbs/sf	Live Load
	10 lbs/sf	Dead Load
Ceiling:	20 lbs/sf	Live Load
	10 lbs/sf	Dead Load
Roof	20 lbs/sf	Live Load
	7 lbs/sf	Dead Load

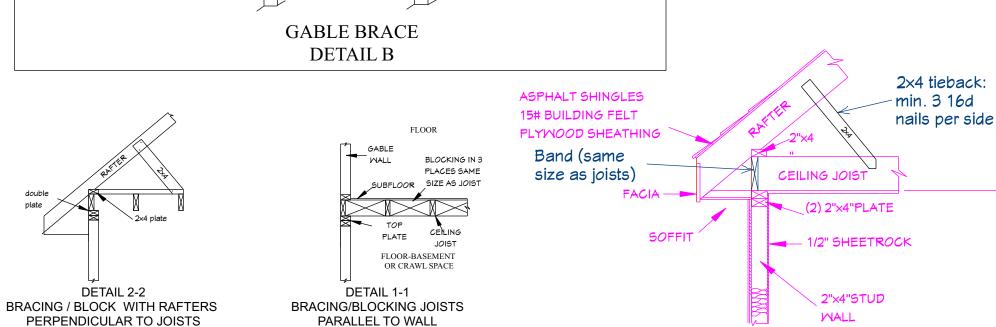
Construction Notes Roof Framing Plan

- 1. All ridges, Hips and Valleys are #2 SPF or LV L as indicated on roof plan.
- 2. Areas of concentrated load indicated on roof plan shall be supported by minimum 2-2×4 studs unless otherwise shown on plan.
- 3. All rafters on roof plan are 2×8, #2 SPF <u>unless otherwise shown on roof plan</u>.
- 4. Install kick back, 2×4 to tie rafters to ceiling joists @ 32" O.C. where rafters and joists are running in the same direction. when roof rafters are running perpendicular to ceiling joists, connect minimum of 3 joists together with 2×4 continuous runners and install 2×4 kick back @ 32" between runner and rafter.
- 5. Install 2x8 bracing tie rafter to rafter at the ridge @ 32" O.C.
 6. All inside roof supports shall be min. 2-2x4 and shall transfer support to
- bearing walls. Roof support load symbol is (
- 7. Attic Access shall be provided as per Section R807Of NCBC, Edition 2018.
- 8. Dimensions are as shown on the plan. (Do not scale dimensions)

Attic Ventilation (See table on roof plan):

Attics shall be vented as specified in North Carolina Building Code, Residential, Edition 2018 - Section R806 (Roof Ventilation). See attic ventilation table on roof plan. Un-vented attic and enclosed rafter assemblies shall comply to R806.5. Attic access shall comply to R807.1





NOTE: 1. USE APPLICABLE DETAIL FROM THE COLLECTION ABOVE. 2. SHEATHING TO BE NAILED TO MIDDLE OF BAND. 2×10 rafters @ 16" oc

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2×10

16" oc

FRAMING DETAIL

Dormer opening

through rafters

rafters @

2-2×10 top

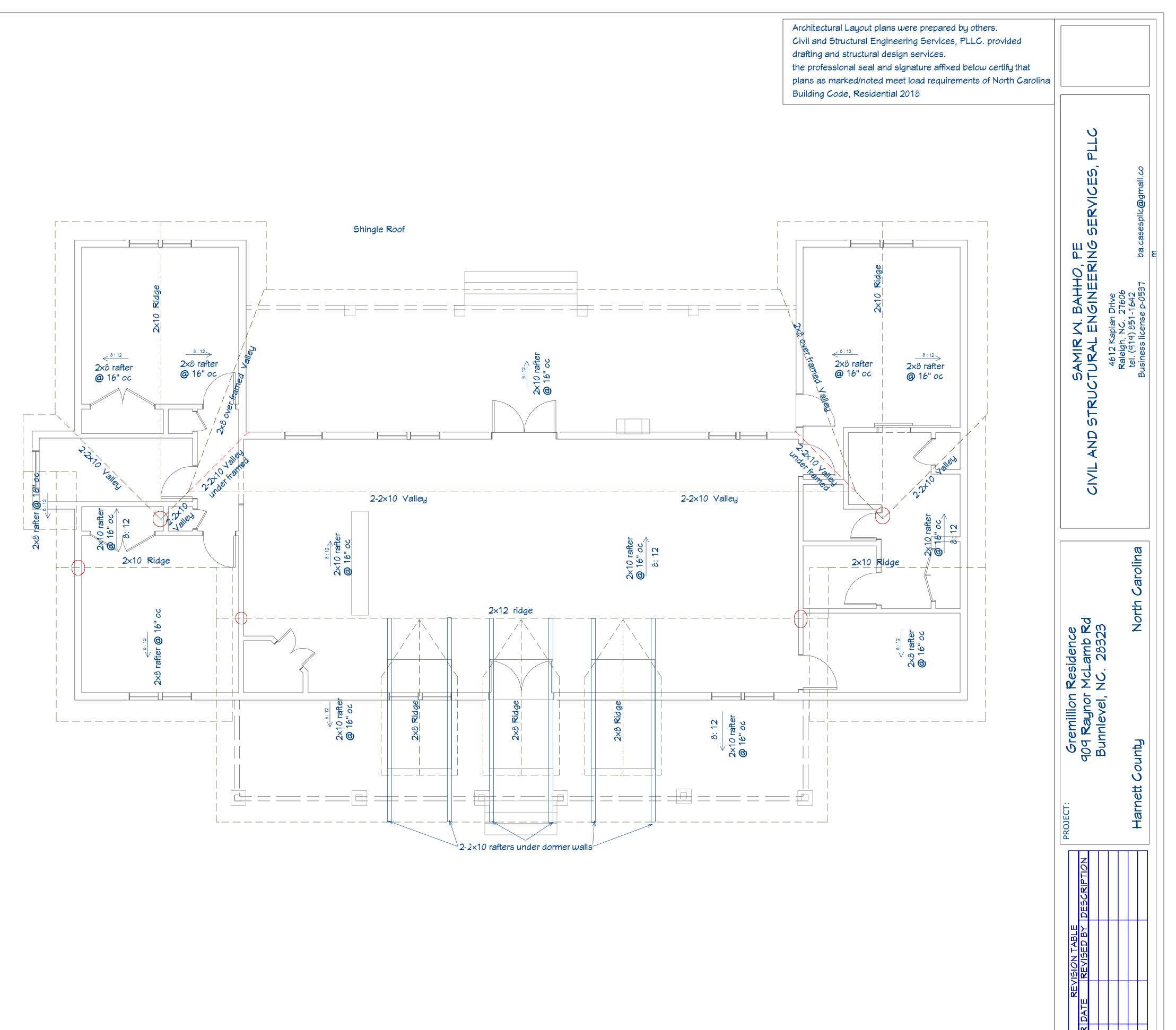
of dormer opening

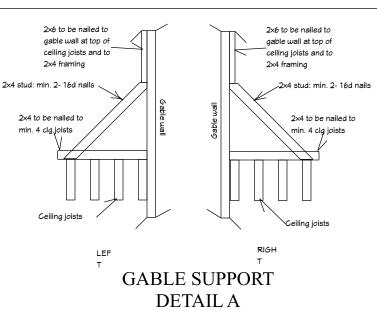
2-2×10

dormer

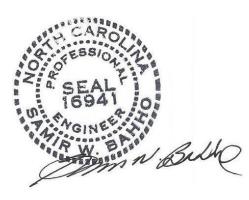
opening

bottom of









DATE:1/31/2023

SCALE: 1/4'=1'0"

SHEET: 6

Designed by

Drawn by VGB