

DRD
Diane Rives Design
6205 Mockingbird Lane
Sanford, N.C. 27332
919-TTO-0353
golfwomancharacter.net

DATE: 05/07/2008

SHOT CRACKS

THE LINCOLN
RIGHT GARAGE

FRONT ELEVATION C

ELEVATION NOTES:
GRADE ELEVATIONS SHOULD NOT NECESSARILY REFER TO THIS OR ANY OTHER LOT. THEY ARE FOR DIAGRAMMATIC PURPOSES ONLY AND MAY VARY. BUILDER IS RESPONSIBLE FOR ADAPTING THIS PLAN TO SUIT THE EXISTING TOPOGRAPHY OF THE SITE.

ROOF VENTILATION TO BE DETERMINED BY BUILDER AS PER CODE.

ALL EGRESS OR RESCUE WINDOWS FROM SLEEPING ROOMS MUST HAVE A MIN. NET CLEAR OPENING OF 4.0 SQ FT. THE MIN NET CLEAR OPENING HEIGHT SHALL BE 20". THE MIN NET CLEAR OPENING WIDTH SHALL BE 20".

EACH EGRESS WINDOW FROM SLEEPING ROOMS MUST HAVE A SILL HEIGHT OF NO MORE THAN 44" FROM THE FLOOR. ALL WINDOW SIZES ARE NOMINAL AND ARE TO BE VERIFIED WITH MANUFACTURER FOR AVAILABILITY AND CONFORMITY TO STATE AND LOCAL CODE REQUIREMENTS.

PORCHES, BALCONIES, OR RAISED FLOOR SURFACES LOCATED MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDRAILS NOT LESS THAN 32" IN HEIGHT.

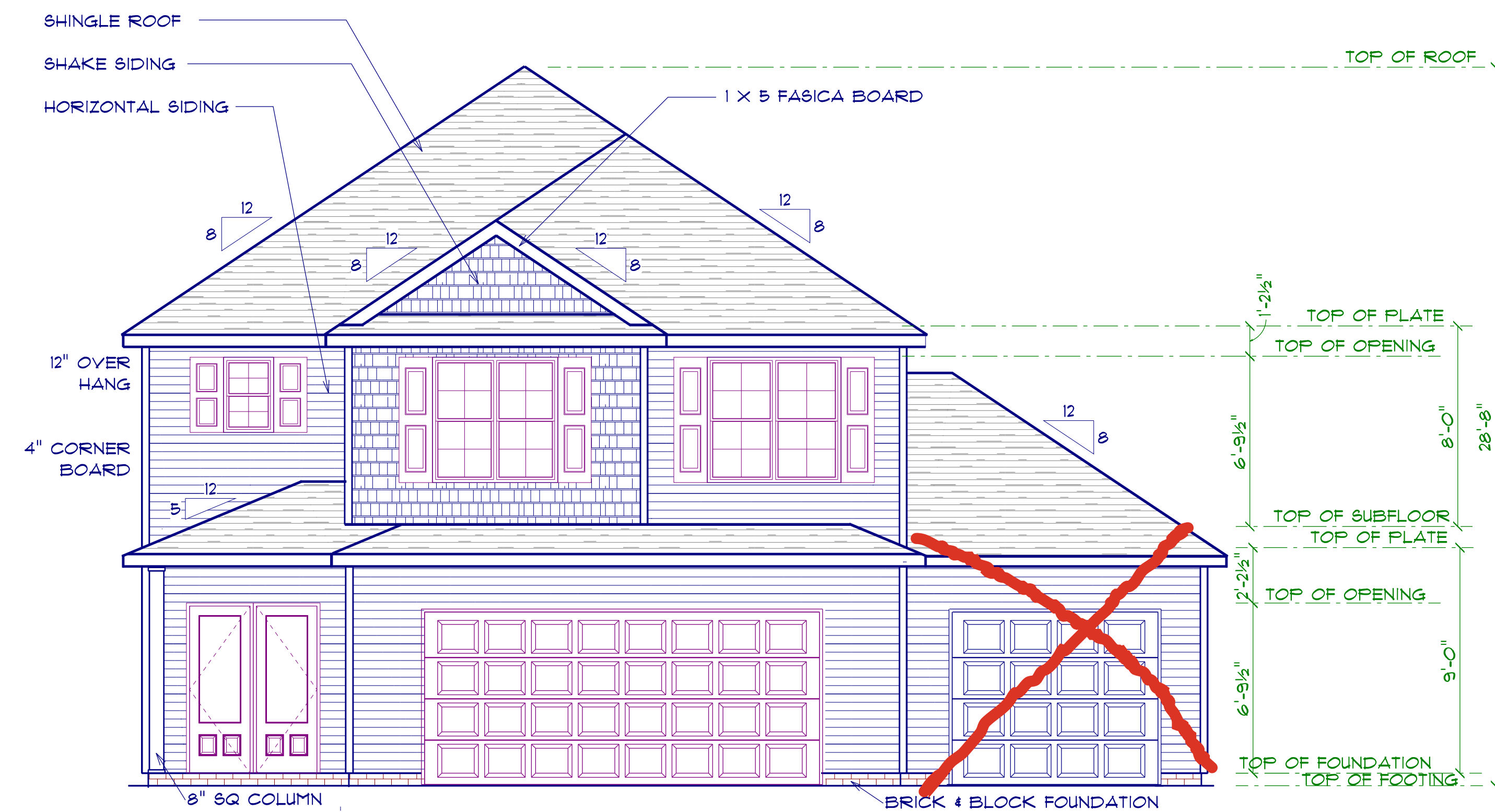
1. ASSUME NO RESPONSIBILITY FOR ANY DISTANCES AFTER START OF CONSTRUCTION.
CONTRACTOR/BUILDER SHALL CONSULT WITH HOME OWNER ON ALL INTERIOR AND EXTERIOR MOLDINGS, TRIMS, COLORS, FINISHES, CABINET LAYOUTS, AND MANUFACTURERS BEFORE CONSTRUCTION BEGINS.
ALL BEAMS AND FRAMING MEMBERS ARE SIZED BY OTHERS.

1.1 This plan has been drawn to comply with the 2018 NC Building Code

- 1.2 Minimum Design Loads for Building and Other Structures ASCE 7-98
- 2 Roof Dead Load 15 PSF
- 3 Roof Live Load 20 PSF
- 4 Typical Floor Dead Load 10 PSF
- 5 Floor Live Loads
 - 5.1 Rooms other than sleeping rooms 40 PSF
 - 5.2 Sleeping Rooms 30 PSF
 - 5.3 Stairs 40 PSF
 - 5.4 Decks 40 PSF
 - 5.5 Exterior Balconies 60 PSF
- 6 Wind Loads
 - 6.1 Ultimate Design Wind Speeds 15 MPH
 - 6.2 Wind Importance Factor, I_W 1.00
 - 6.3 Exposure B
 - 6.4 Walls (Component and Cladding) 25 PSF
 - 6.5 Roofs (Component and Cladding)
 - 6.5.1 Roof Slopes $2.25/12$ to $7/12$ 34.8 PSF
 - 6.5.2 Roof Slopes $7/12$ to $12/12$ 21 PSF

It is the sole responsibility of the Contractor and/or Builder to conform to all standards, provisions, requirements, methods of construction and uses of materials provided in buildings and/or structures as required by NC Uniform Building Code, Local Agencies and in accordance with good engineering practices. Verify all dimensions prior to construction.

CRH HOMES RETAINS TITLE AND OWNERSHIP OF ALL PLANS. THESE PLANS CAN NOT BE COPIED OR REPRODUCED. THESE PLANS CAN NOT BE BUILT BY ANYONE BUILDER OTHER THAN CRH HOMES



FRONT ELEVATION
SCALE: 1" = 1/4"

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

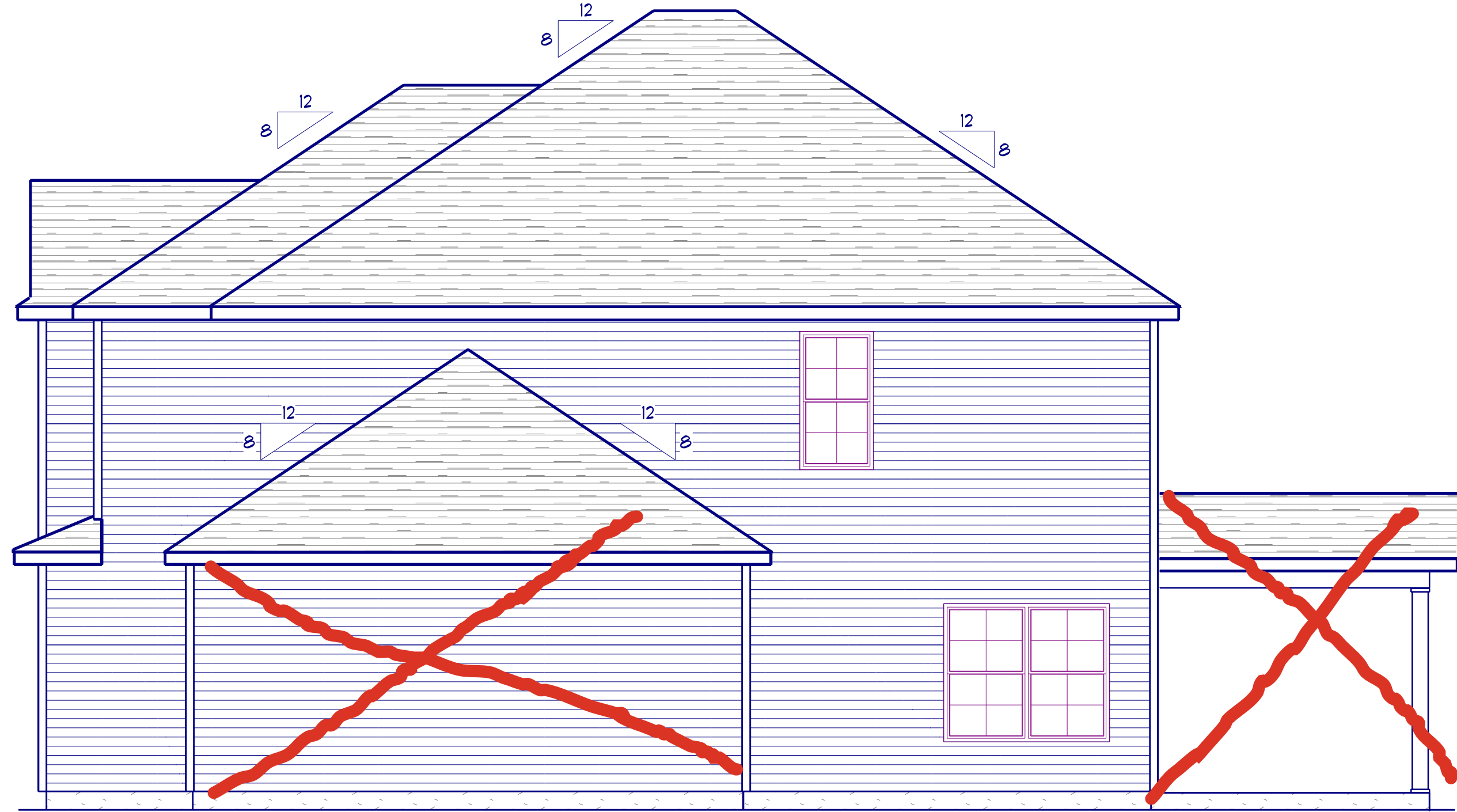
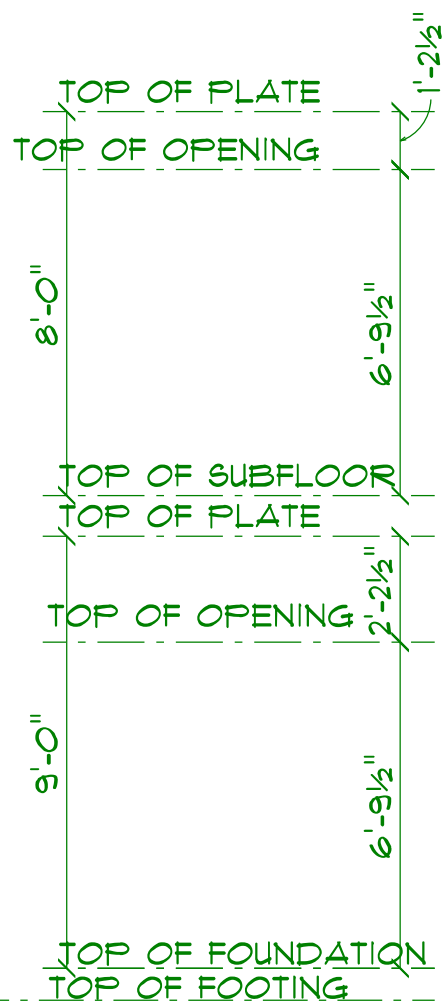
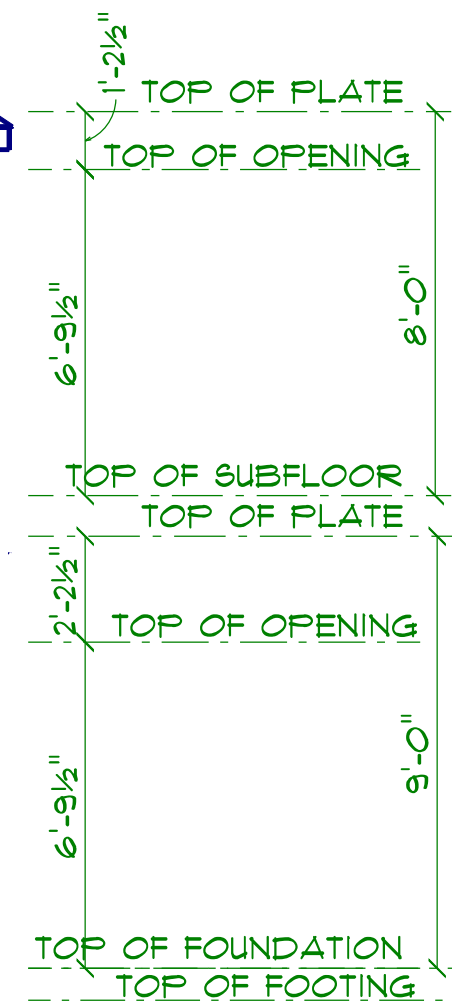
B. Smith

09/25/2025

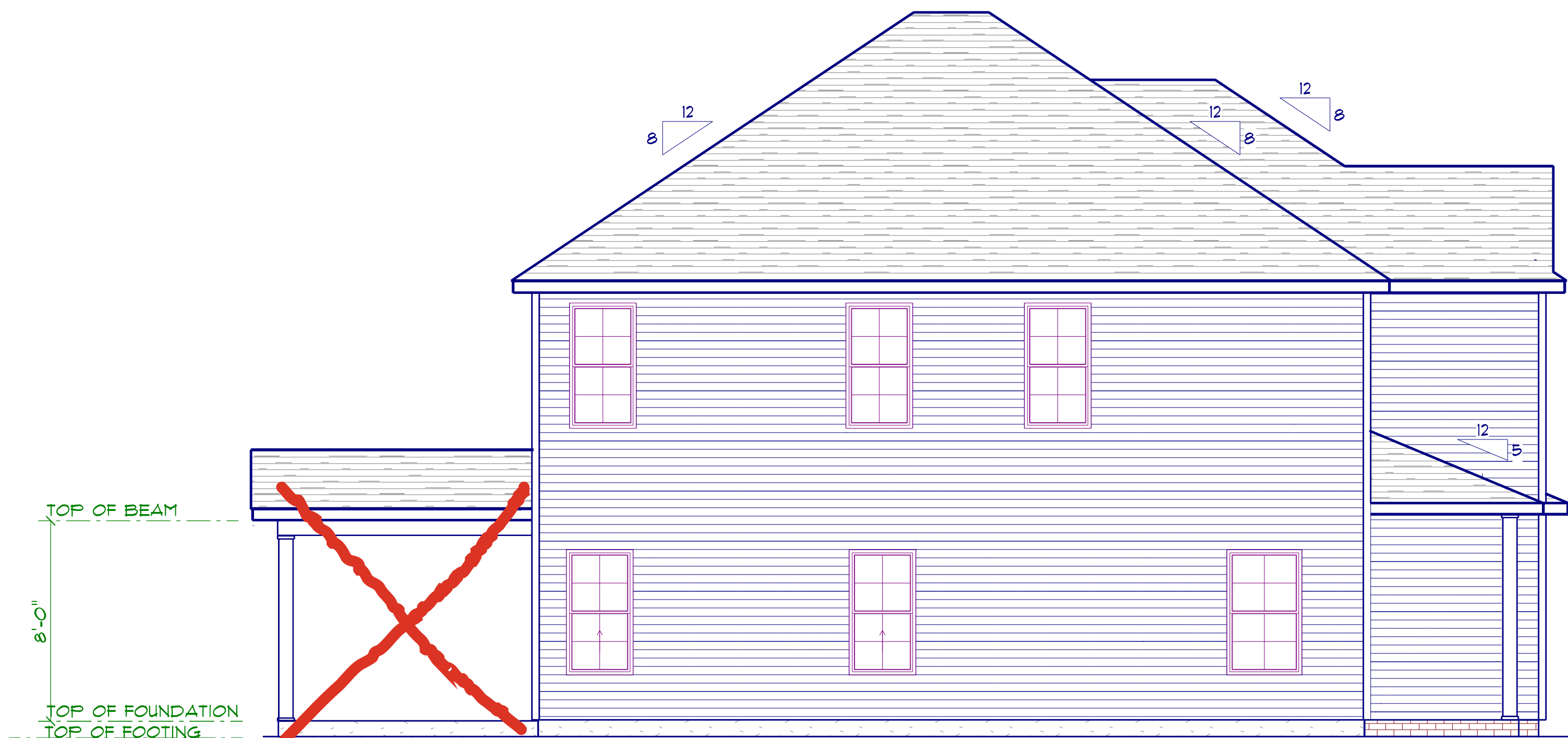
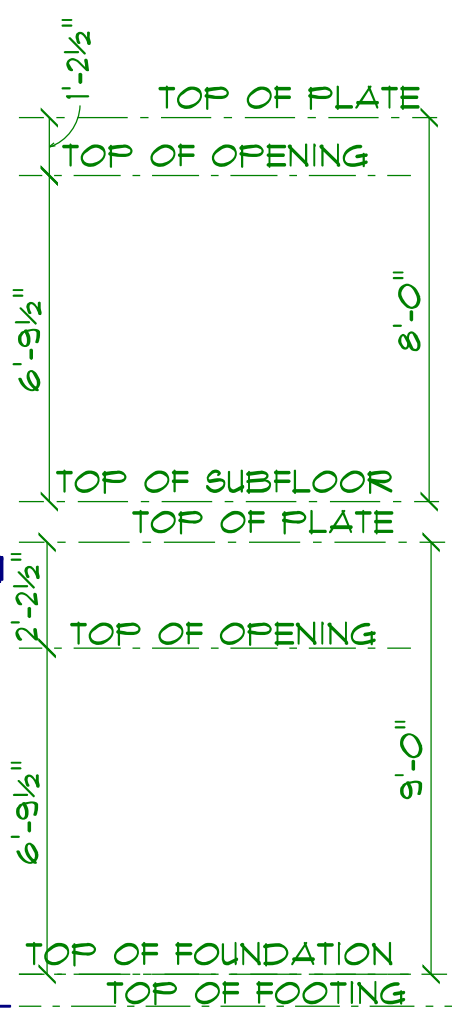

**Harnett
COUNTY**
NORTH CAROLINA



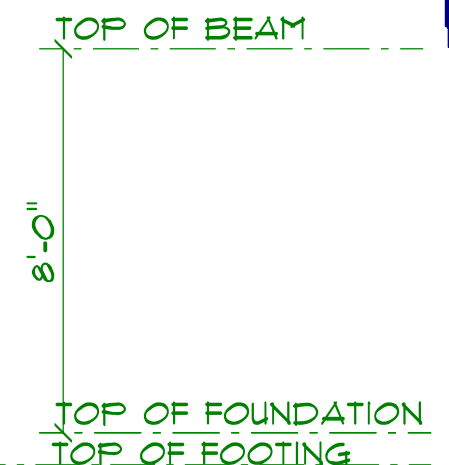
REAR ELEVATION
SCALE: 1" = 1/4"



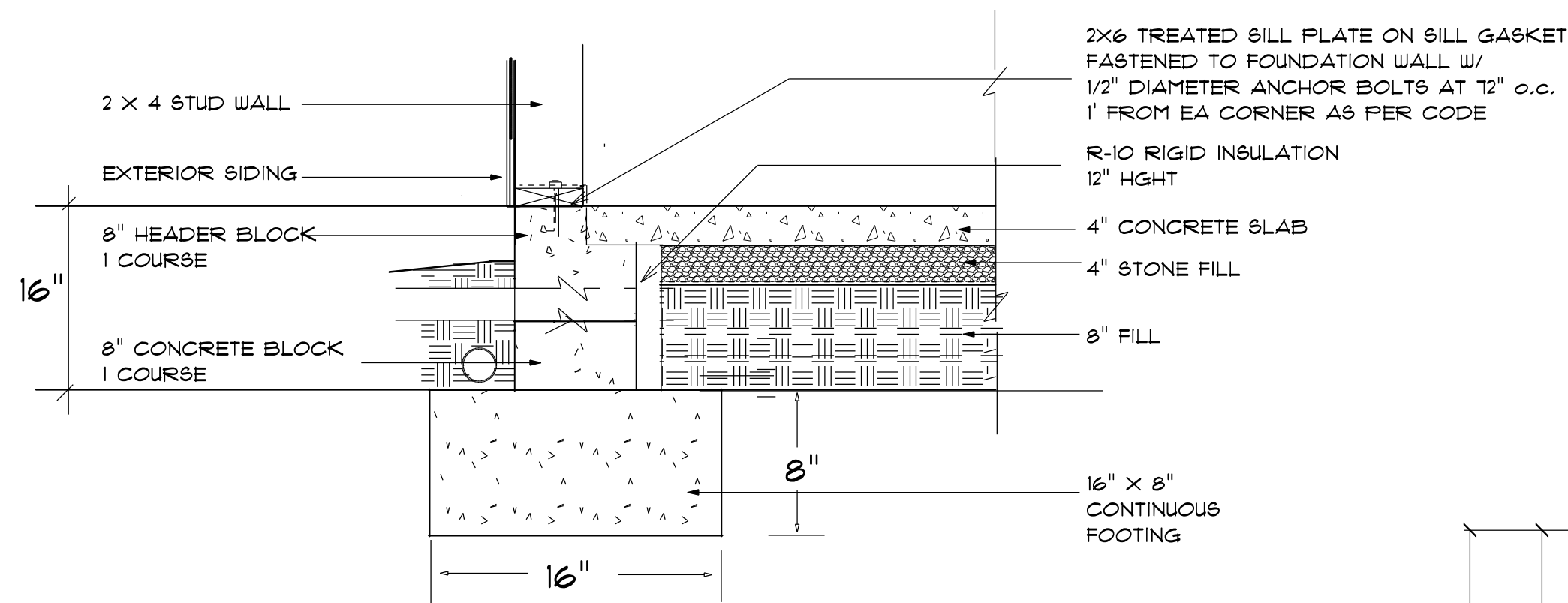
RIGHT ELEVATION
SCALE: 1" = 1/4"



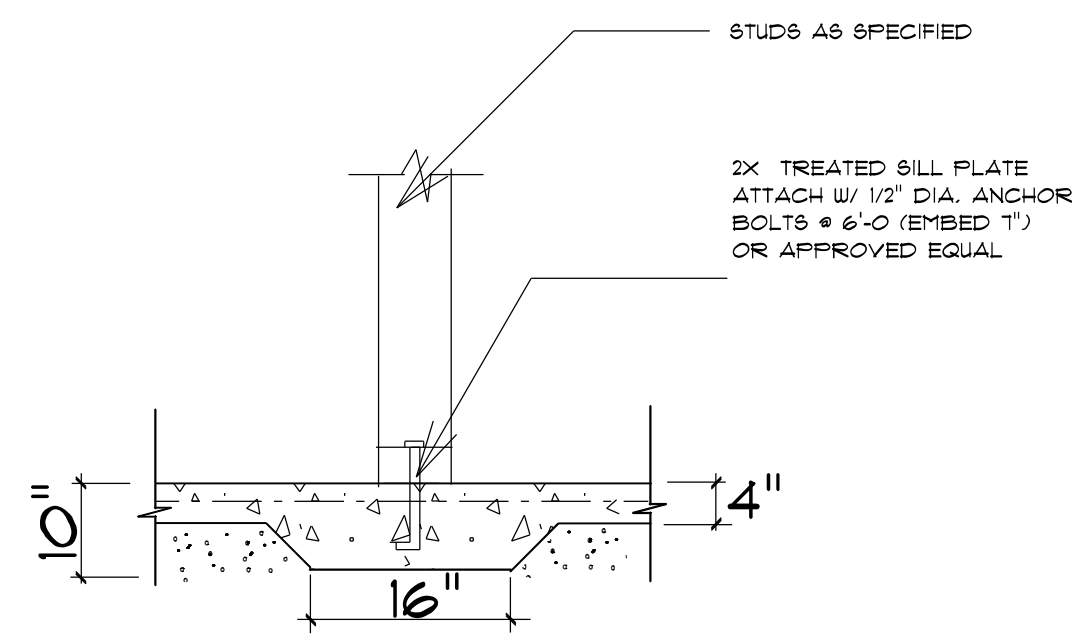
LEFT ELEVATION
SCALE: 1" = 1/4"



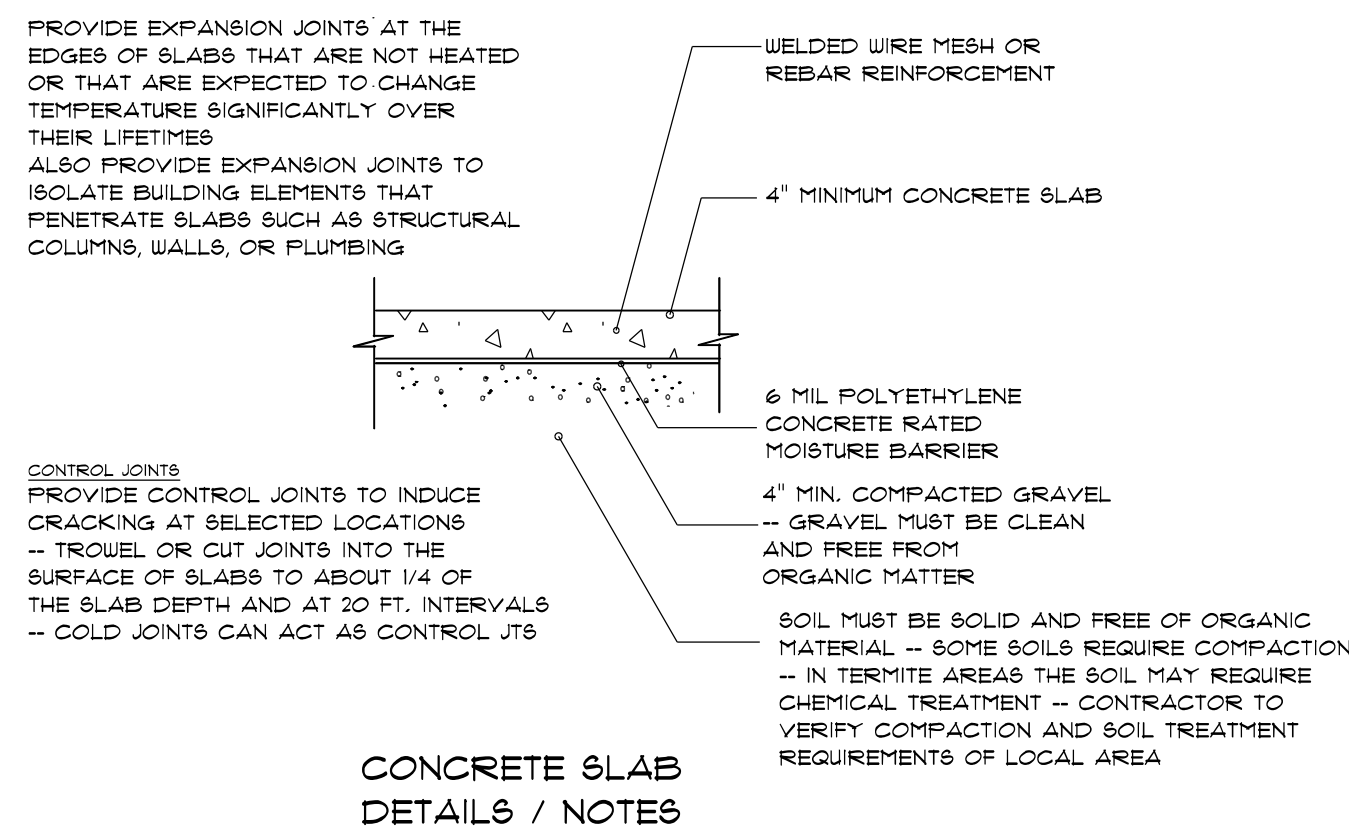
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OWNERSHIP OF ALL PLANS. THESE PLANS CAN NOT BE COPIED
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STEM WALL FOUNDATION Detail not to scale

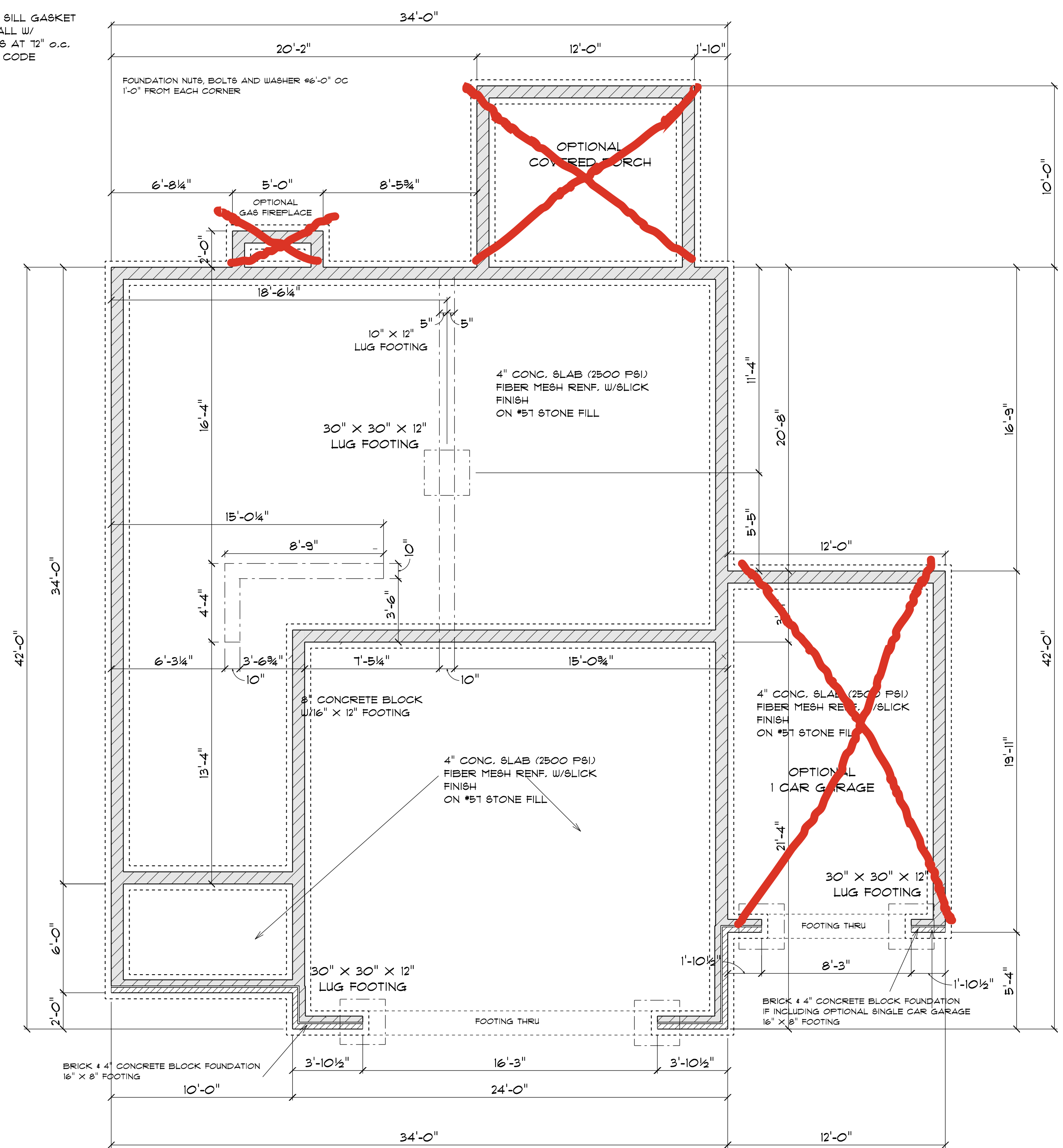


TYPICAL THICKENED SLAB



FOUNDATION NOTES:
ALL FOOTINGS SHALL BEAR ON ORIGINAL UNDISTURBED SOIL.
THE 28 DAY COMPRESSIVE STRENGTH OF ALL FOOTINGS IS 3000 PSI.
PROVIDE WATER PROOFING AND PERIMETER DRAINS AS REQUIRED.
FOUNDATION CONCRETE MIX TO HAVE 1/2" MAX AGGREGATE SIZE. CONCRETE FILL MIX TO HAVE 1/2" MAX AGGREGATE SIZE.
FOOTING WIDTHS ARE BASED ON A LOAD-BEARING SOIL CAPACITY OF 2000 PSI.
PROVIDE 6 MIL POLY VAPOR BARRIER TO COVER GROUND SURFACE IN CRAWL SPACE
ALL ANCHOR BOLTS TO BE 12" LONG, 1/2" DIA. A36 UNO ANCHOR BOLTS SHALL BE SPACED AT A MAX OF 6' O.C. AND NO MORE THAN 1' FROM EA CORNER.

Termite Soil Treatment: Treat entire slab area soil or crawl space surface before vapor barrier is installed and slab is poured with a state approved termiticide. Termiticide should be applied by a licensed and certified pest control professional by the state of North Carolina.



FOUNDATION PLAN

SCALE: 1" = 1/4"

CRH HOMES RETAINS TITLE AND OWNERSHIP OF ALL PLANS. THESE PLANS CAN NOT BE COPIED OR REPRODUCED. THESE PLANS CAN NOT BE BUILT BY ANYONE BUILDER OTHER THAN CRH HOMES

3D

Diane Rivas Designs
6005 Hockingbird Lane
Spartanburg, N.C. 27332
919-710-0353
gothamdesigner.net

SCALE: 1" = 1/4"
DRAWN BY:
DATE: 10/1/2024

CRH HOMES

THE LINCOLN
RIGHT GARAGE

STEM WALL
FOUNDATION

OPENING SCHEDULE				
SIZE	COUNT	LIBRARY NAME	R.O. WIDTH	R.O. HEIGHT
2'-8" x 5'-0"	7	Window\Single Hung	32"	60"
2'-0" x 3'-0"	1	Window\Single Hung	24"	36"
2'-8" x 5'-0" Twin	2	Window\Single Hung	64-1/2"	60"
4'-0" x 1'-0"	1	Window\Transom	48"	12"

GENERAL FRAMING NOTES:

ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.

FRAMING LUMBER SHALL BE SYP #2 GRADE AND/OR SPRUCE PINE FIR #1 AND/OR #2, KILN DRIED.

WHERE PRE-ENGINEERED JOISTS ARE USED, JOIST MANUFACTURER SHALL PROVIDE SHOP DRAWINGS, WHICH BEAR SEAL OF A N.C. ENGINEER.

STUDS AND JOISTS SHALL NOT BE CUT TO INSTALL PLUMBING OR WIRING WITHOUT ADDING METAL OR WOOD SIDE PANELS TO STRENGTHEN THE MEMBER TO ITS ORIGINAL CAPACITY.

NAIL MULTIPLE MEMBERS WITH 2 ROWS OF 16d NAILS STAGGERED 32" OC AN USE 3-16d NAILS 2" IN AT EACH END. DOUBLE ALL STUDS UNDER ROOF FOST DOWNS UNO.

NAIL FLOOR JOISTS TO SILL PLATE WITH 8d TOE NAILS.

ALL EXPOSED FRAMING ON PORCHES AND DECKS SHALL BE PRESSURE TREATED.

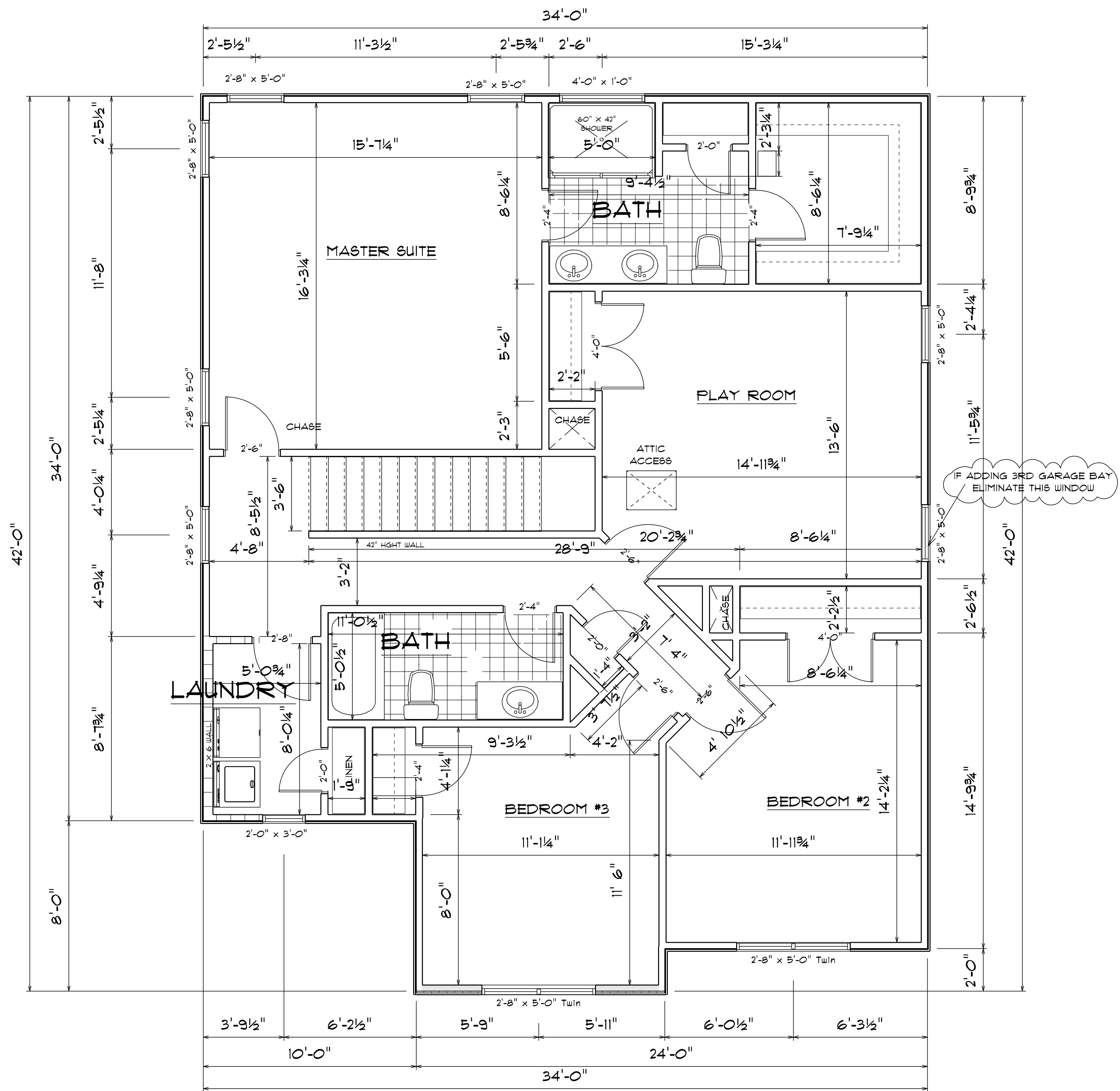
PROVIDE WATERPROOFING AND DRAINS AS REQUIRED.

ALL FRAMING TO BE 16" OC UNO. WALL FRAMING DIMENSIONS ARE BASED ON 2 X 4 STUDS UNO. DOUBLE STUDS UNDER ALL HEADERS.

LVL'S AND TJI'S TO BE SIZED BY OTHERS

EXTERIOR WALLS IN LIVING AREAS ARE 2 X 4

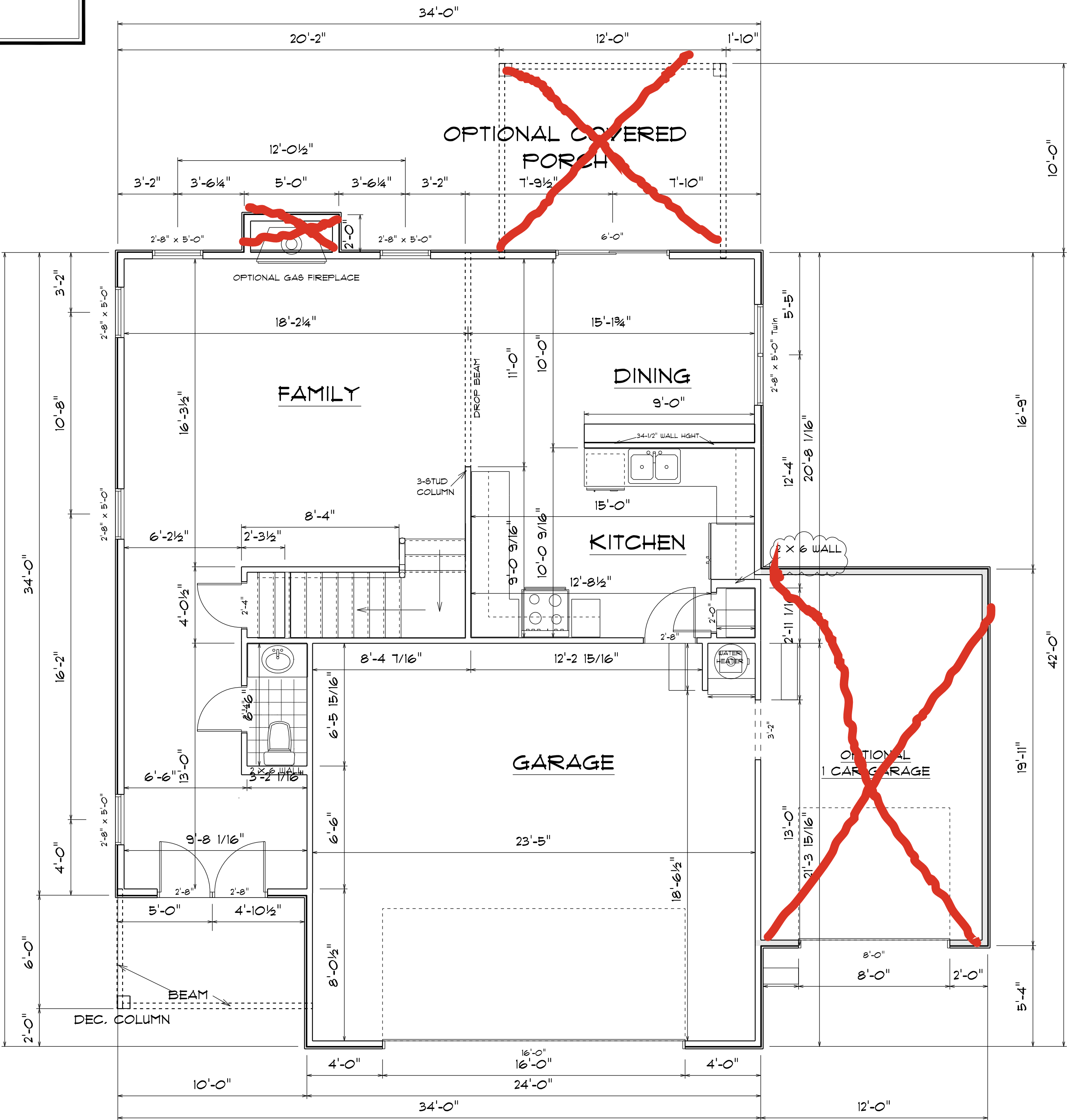
OPENING SCHEDULE				
SIZE	COUNT	LIBRARY NAME	R.O. WIDTH	R.O. HEIGHT
6'-0"	1	Exterior Door\Patio	72"	80-1/2"
2'-8" x 5'-0"	5	Window\Single Hung	32"	60"
2'-8" x 5'-0" Twin	1	Window\Single Hung	64-1/2"	60"



2ND FLOOR PLAN
SCALE: 1"= 1/4"

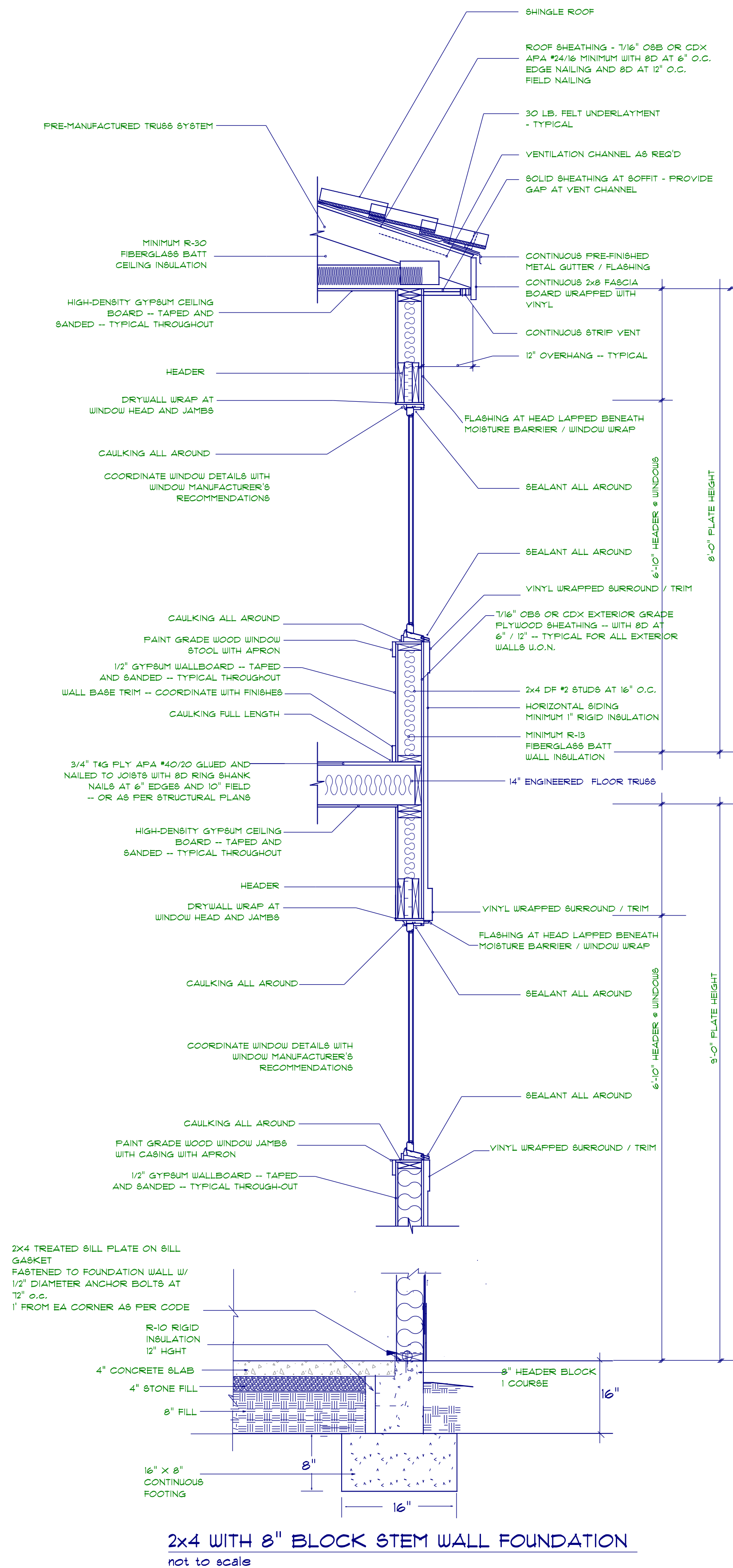
AREA SCHEDULE	
NAME	AREA
Heated	1302.4 sq ft.

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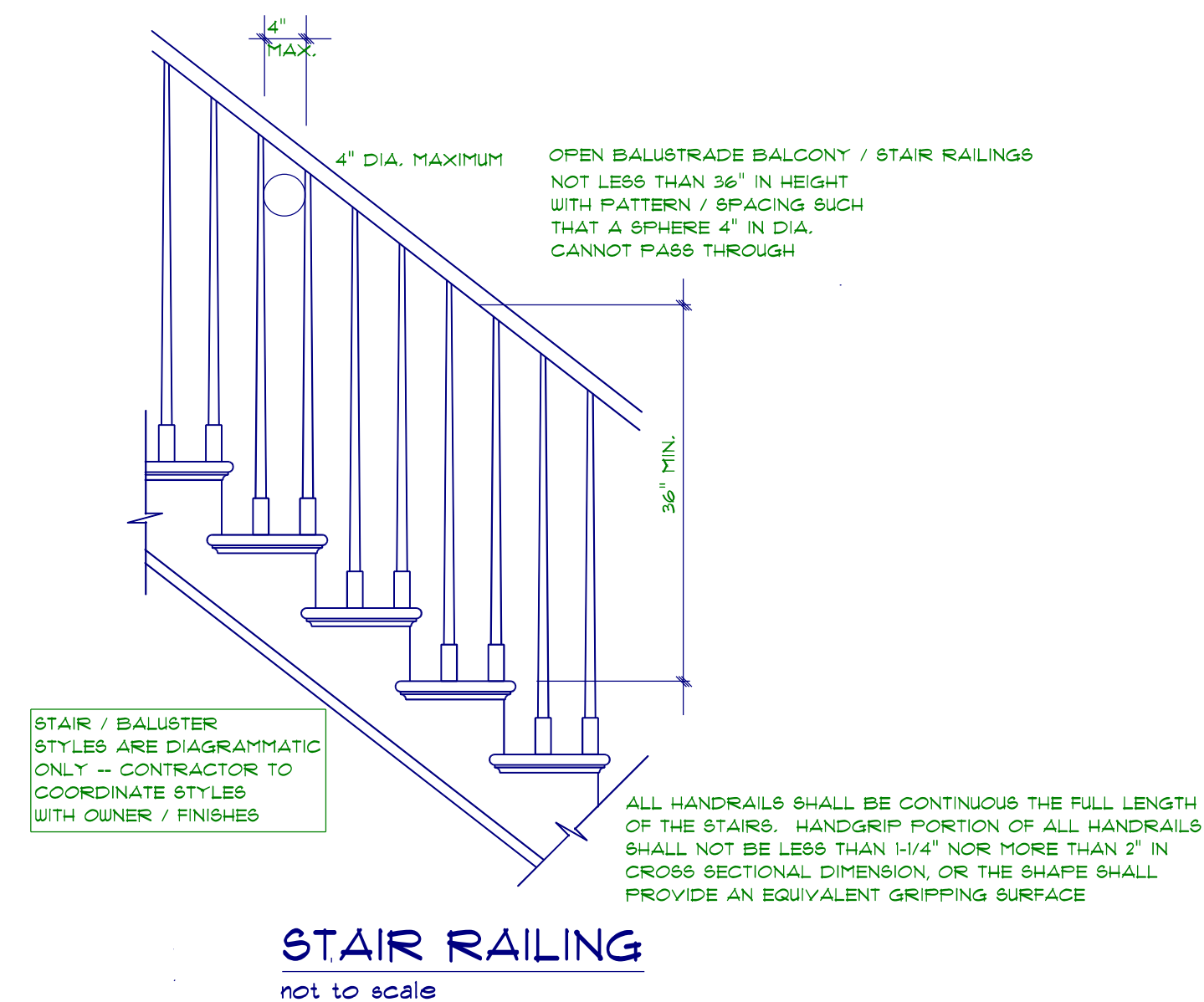


1ST FLOOR PLAN
SCALE: 1"= 1/4"

AREA SCHEDULE	
AREA	NAME
841.2 sq ft.	Heated
505.8 sq ft.	Garage
244.5 sq ft.	Optional 1 Car Garage
58.3 sq ft.	Covered Porch
120 sq ft.	Opt Covered Porch



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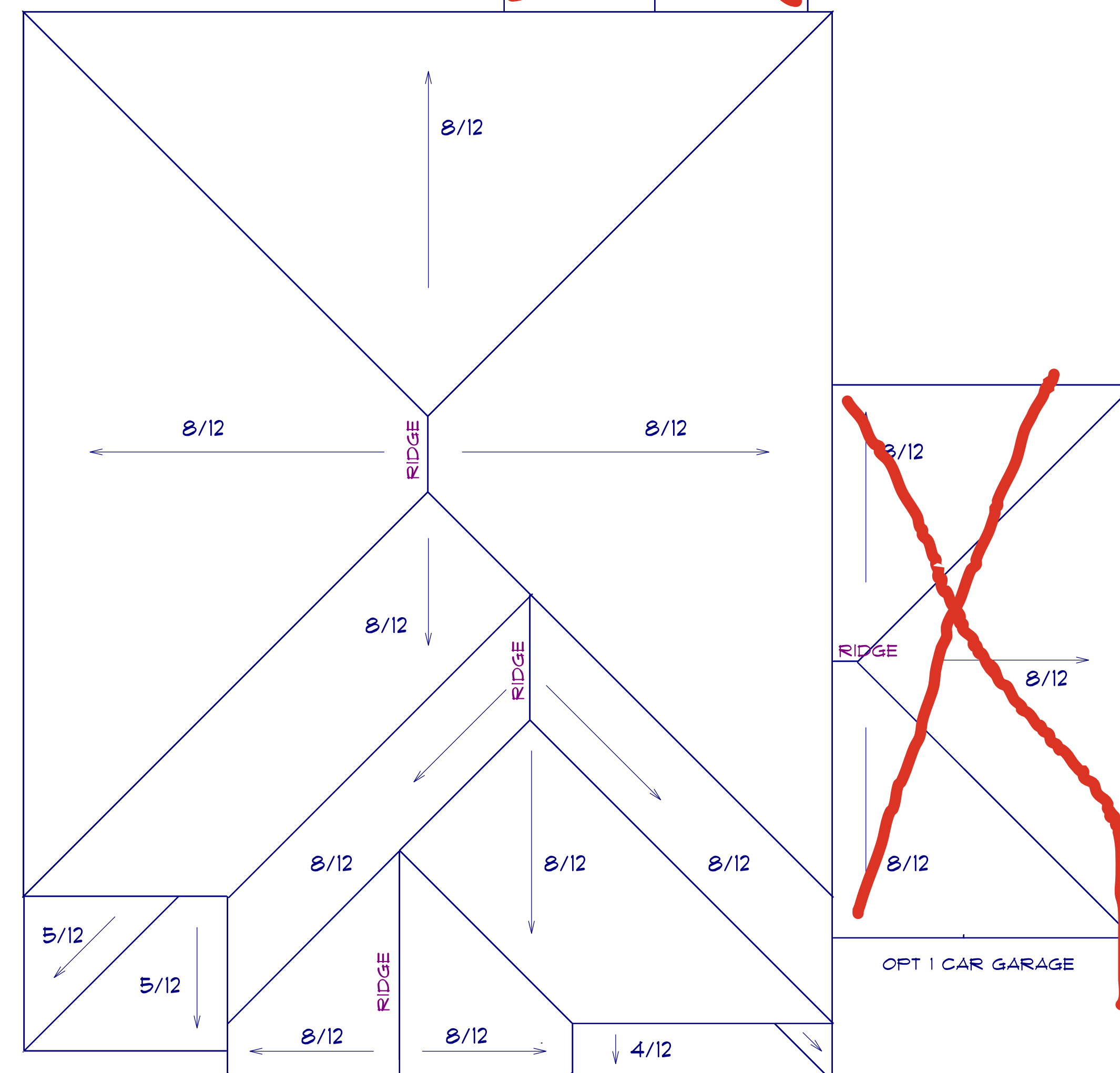
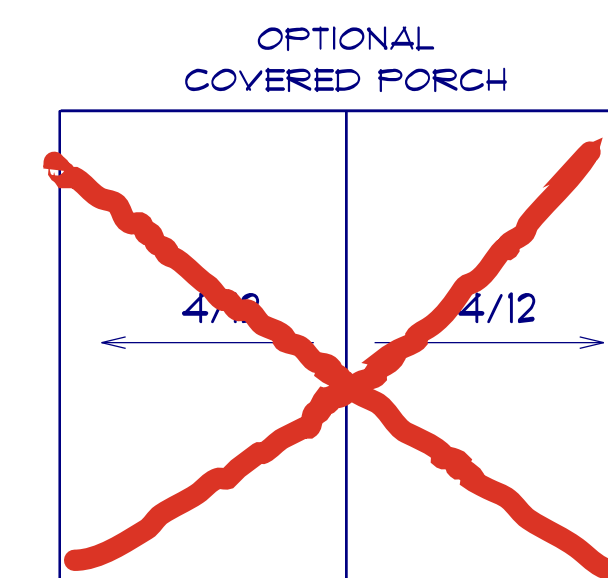
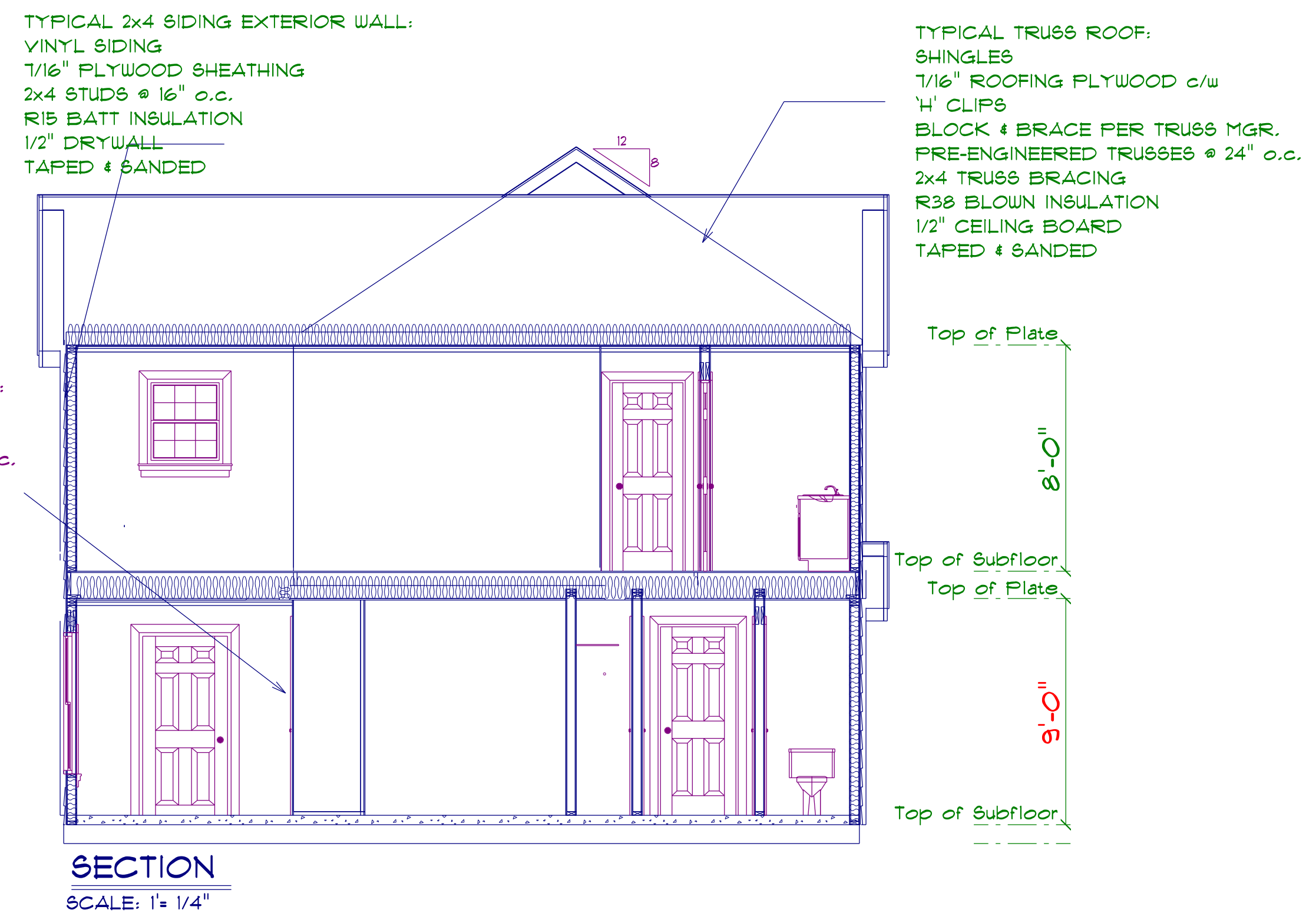
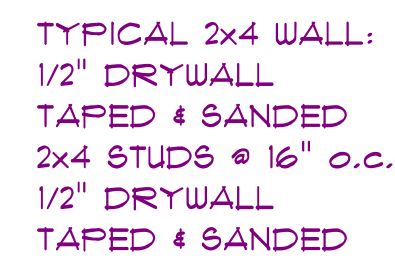
ROOF NOTES:

TRUSSES, BRACINGS, BRIDGING AND CONNECTORS ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER.

IDENTIFY LUMBER BY OFFICIAL GRADE MARKINGS.

DO NOT CUT OR REMOVE CHORDS OR OTHER TRUSS MEMBERS.
DO NOT NOTCH OR DRILL TRUSS MEMBERS.

WHERE PRE-ENGINEERED ROOF TRUSSES ARE USED, TRUSS MANUFACTURER SHALL PROVIDE SHOP DRAWINGS, WHICH BEAR SEAL OF A N. C. REGISTERED ENGINEER.

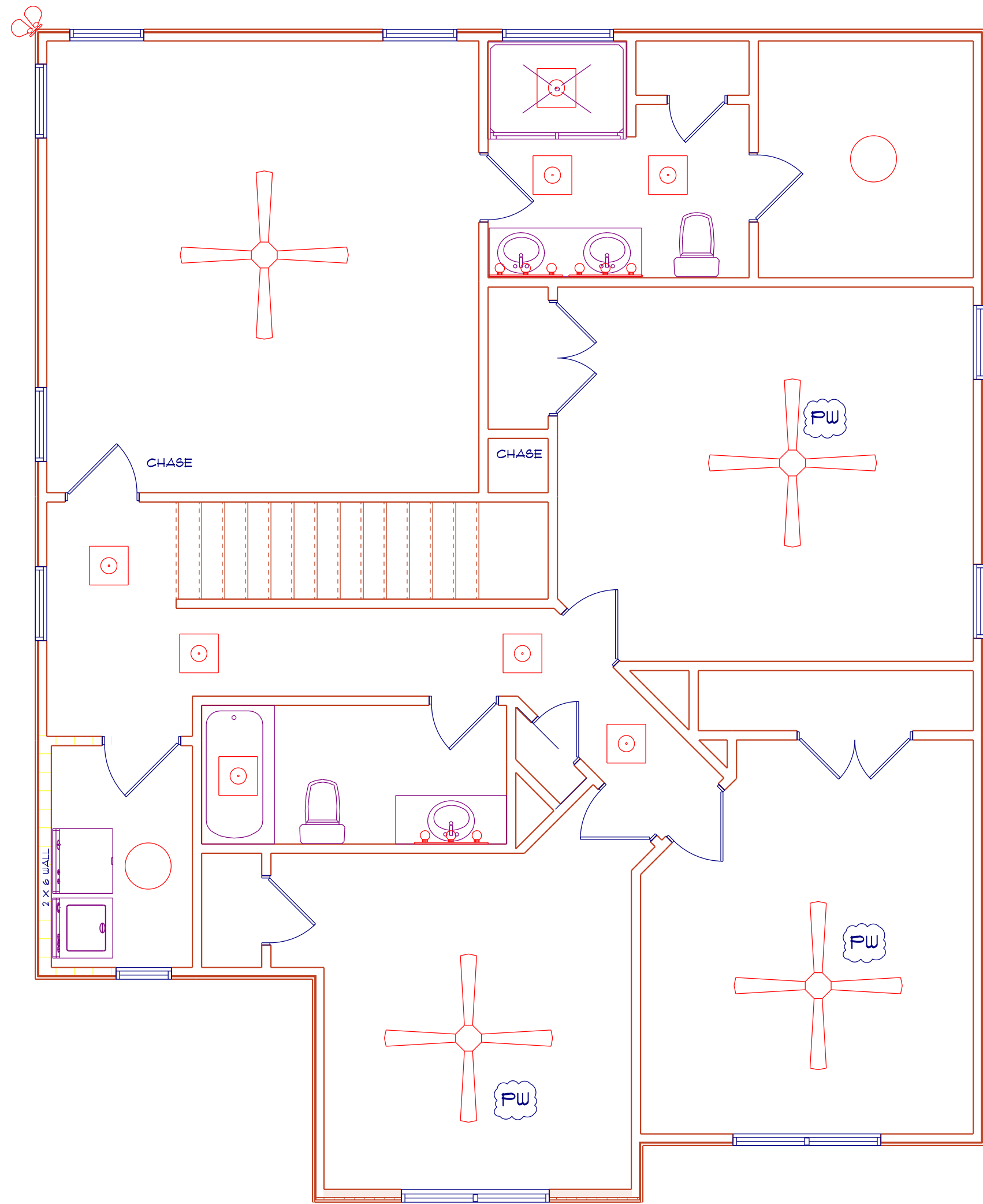


ROOF PLAN

12" OVER HANG ALL

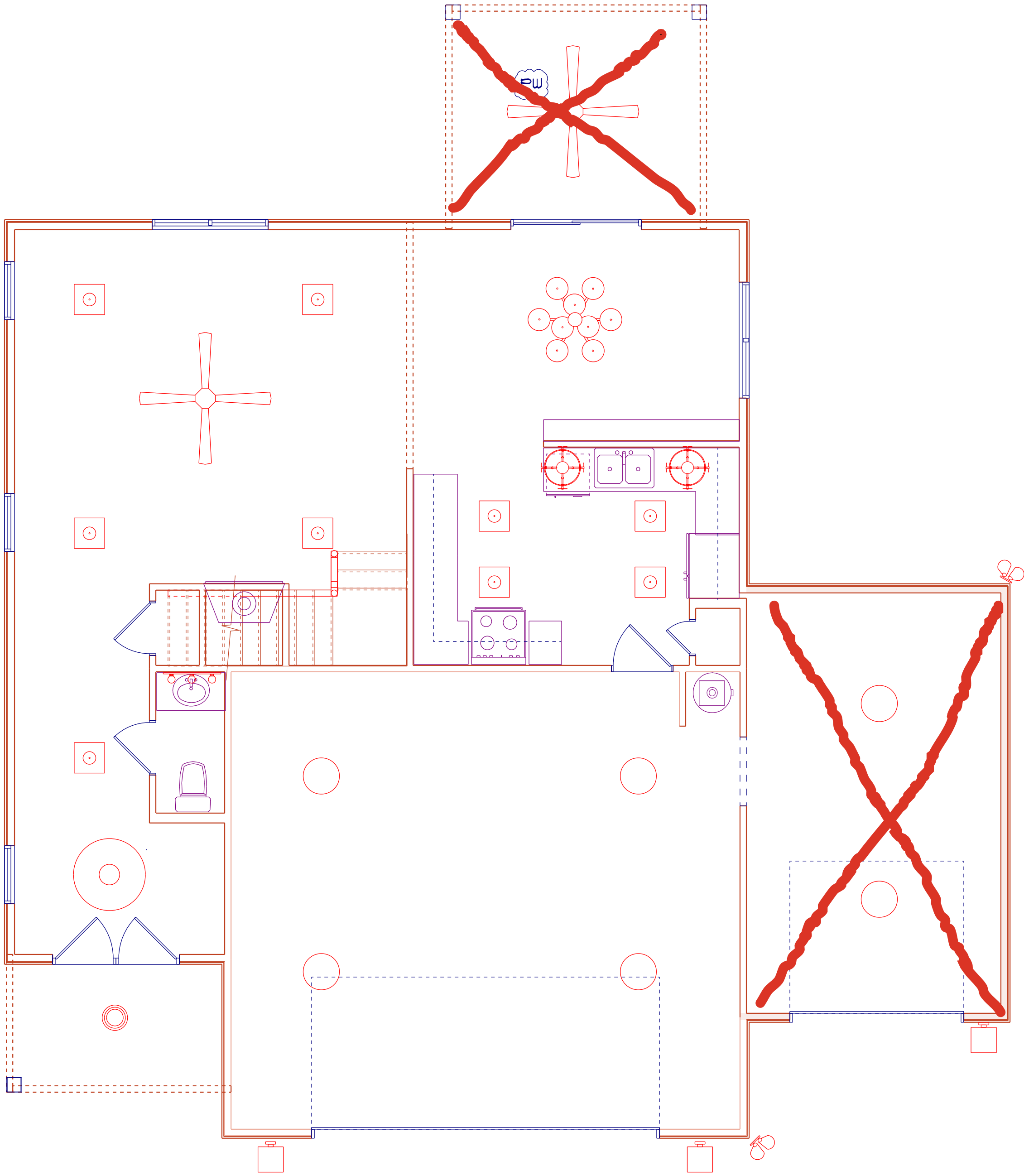
SCALE: 1' = 1/4"

TYPICAL TRUSS ROOF:
SHINGLES
1/16" ROOFING PLYWOOD c/w
'H' CLIPS
BLOCK & BRACE PER TRUSS MGR.
PRE-ENGINEERED TRUSSES @ 24" o.c.
2x4 TRUSS BRACING
R38 BLOWN INSULATION
1/2" CEILING BOARD
TAPED & SANDED



ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
ceiling fan	2	
10" led	8	
7" led	17	
foyer light	1	
dinning room light	1	
coach light	3	
exterior over head	1	
flood light	3	
vanity bar light	4	
wall sconce		
pendant light	2	

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ELECTRICAL LAYOUT

THE LINCOLN
RIGHT GARAGE

CRH HOMES

SCALE: 1"= 1/4"

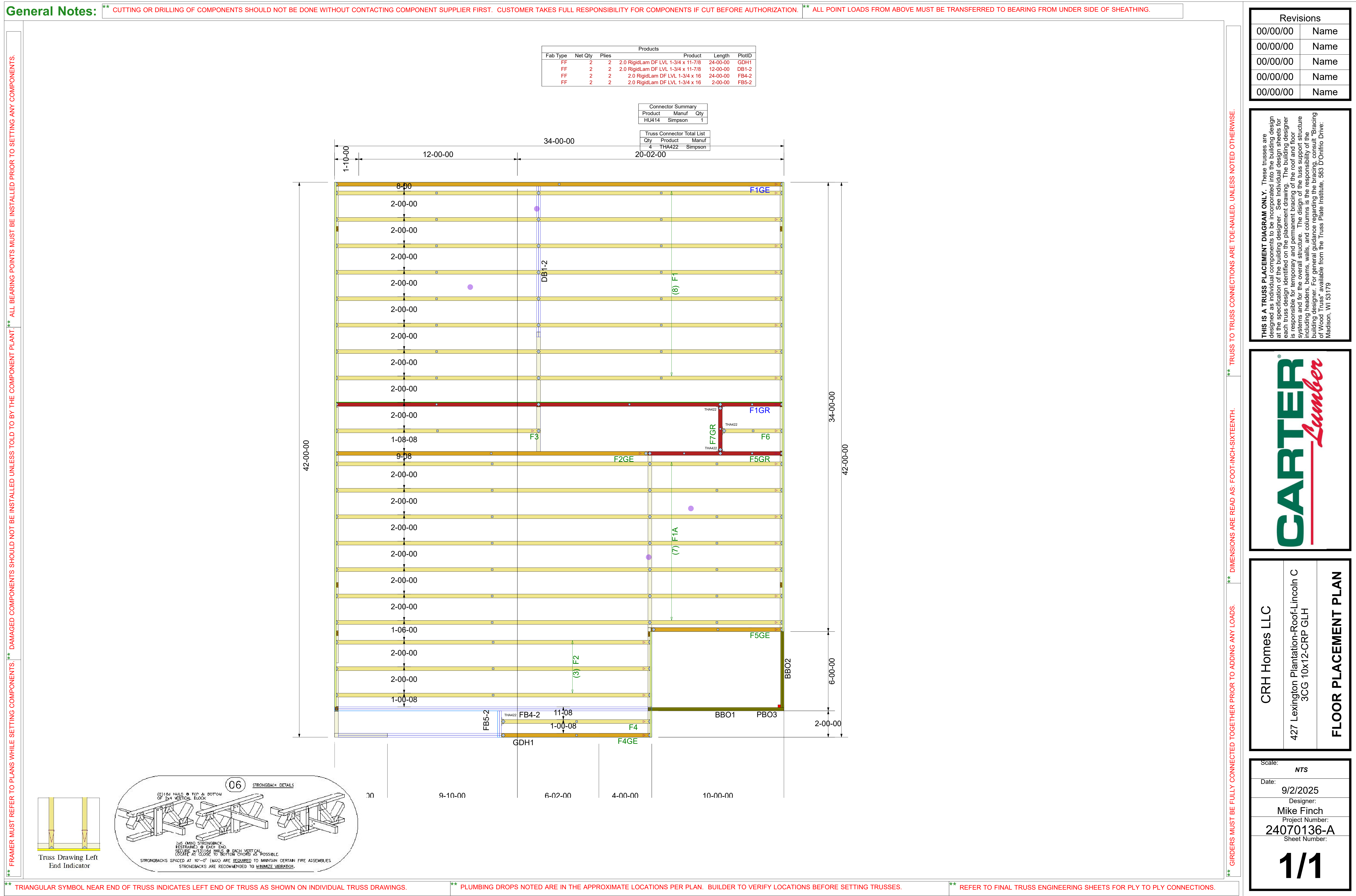
DRAWN BY:

DATE: 4/28/2024

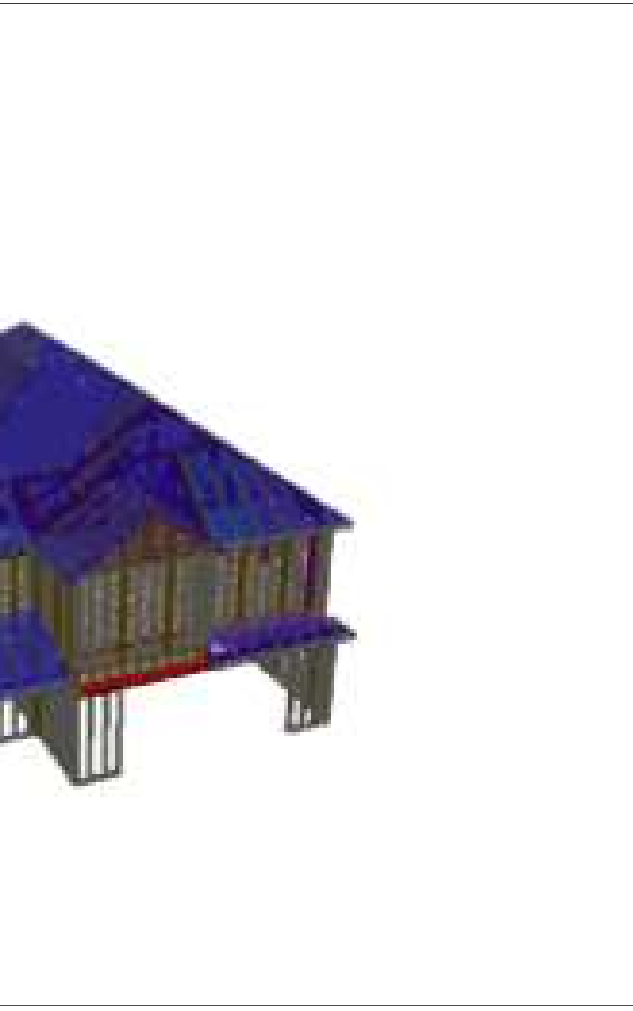
Diane Rivas Designs
6205 Mockingbird Lane
Sanford, N.C. 27332
919-710-0353
gellucenecharacter.net

DRD

31



FB# - Flush Beam
DB# - Dropped Beam
BBO - Beam that is not supplied by the component plant

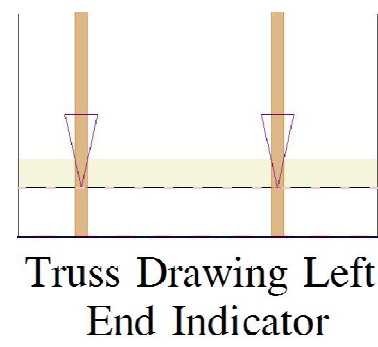


General Notes:

** CUTTING OR DRILLING OF COMPONENTS SHOULD NOT BE DONE WITHOUT CONTACTING COMPONENT SUPPLIER FIRST. CUSTOMER TAKES FULL RESPONSIBILITY FOR COMPONENTS IF CUT BEFORE AUTHORIZATION.

** ALL BEARING POINTS MUST BE INSTALLED PRIOR TO SETTING ANY COMPONENTS.

** FRAMER MUST REFER TO PLANS WHILE SETTING COMPONENTS. ** DAMAGED COMPONENTS SHOULD NOT BE INSTALLED UNLESS TOLD TO BY THE COMPONENT PLANT. ** TRUSSES TO TRUSS CONNECTIONS ARE TO BE MAINTAINED, UNLESS NOTED OTHERWISE.

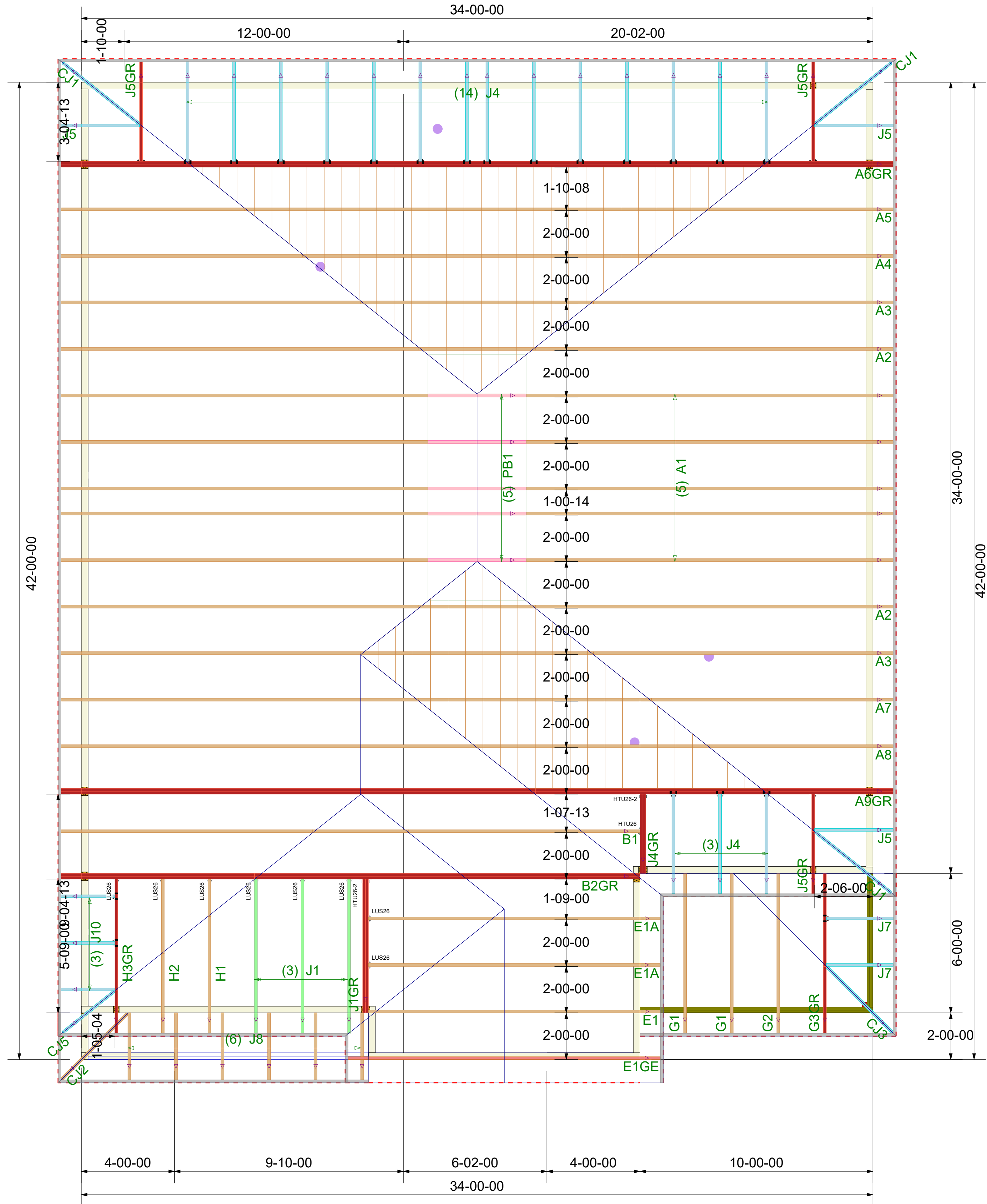


** TRIANGULAR SYMBOL NEAR END OF TRUSS INDICATES LEFT END OF TRUSS AS SHOWN ON INDIVIDUAL TRUSS DRAWINGS.

** PLUMBING DROPS NOTED ARE IN THE APPROXIMATE LOCATIONS PER PLAN. BUILDER TO VERIFY LOCATIONS BEFORE SETTING TRUSSES.

** REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY TO PLY CONNECTIONS.

Truss Connector Total List		
Qty	Product	Manuf
1	HTU26	Simpson
2	HTU26-2	Simpson
8	LG12	Simpson
13	LUS26	Simpson
70	One H2.5A	Simpson
1	THU26	Simpson



** ALL UPLIFT CONNECTORS SHOWN WITHIN THESE DOCUMENTS ARE RECOMMENDATIONS ONLY. PER ANS/TP1 1, ALL UPLIFT CONNECTORS ARE THE RESPONSIBILITY OF THE BLDG DESIGNER AND/OR CONTRACTOR.

** DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH.

** GIRDERS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS.

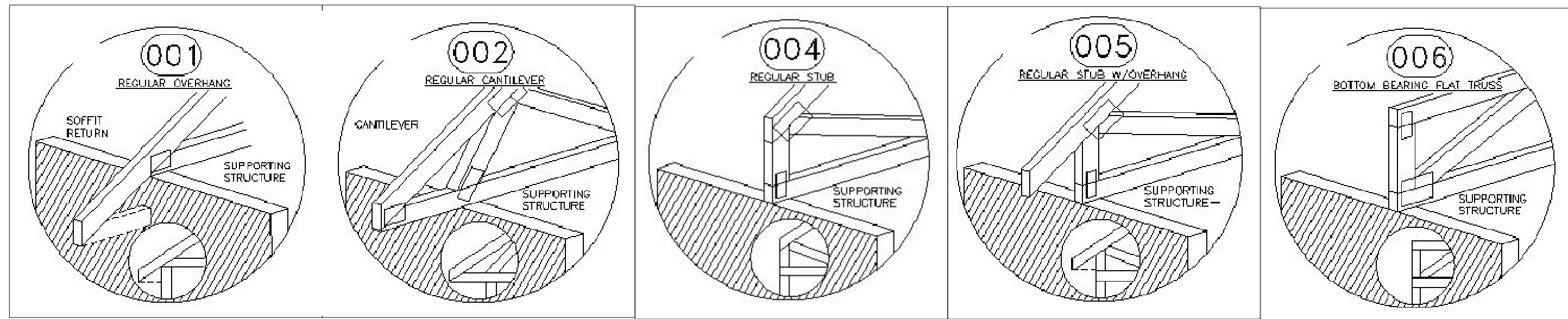
Revisions	
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed and engineered by the building designer. The building designer is responsible for temporary and permanent bracing of the roof and floor framing. The building designer is responsible for the placement of the trusses, including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding the bracing, consult "Bracing of Steel Trusses" available from the Truss Plate Institute, 300 Dorrance Drive, Madison, WI 53719.



CRH Homes LLC
Lincoln C - Roof layout
ROOF PLACEMENT PLAN

Scale:	NTS
Date:	9/2/2025
Designer:	Mike Finch
Project Number:	24070136-A
Sheet Number:	1/1



FB# - Flush Beam
DB# - Dropped Beam
BBO - Beam that is not supplied by the component plant

PLY TO PLY CONNECTION



Customer:
Street 1:
City:
Customer Ph...

Job Name: **B**
Level: **1st FLOOR**
Label: **GDH2 - i28**
Type: **Beam**

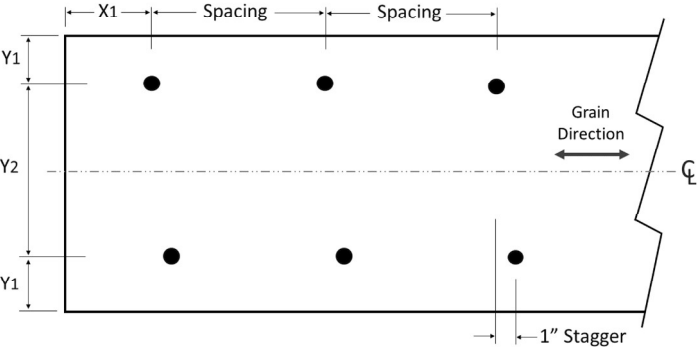
2 Ply Member
2.0 RigidLam DF LVL 1-3/4
x 11-7/8

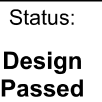
Status:
Design
Passed

PLY TO PLY CONNECTION

- Zone A: Factored load = 0 plf. Use 12d (0.148"x3.25") nails. LDF = 1.00. Qty = 24. Row = 2, Spacing = 12"
12d (0.148"x3.25") nails properties: D = 0.148", L = 3.25". Fastener capacity = 117 lbs. X1 = 2.25", Y1 = 0.75", Y2 = 1.5"
Install fasteners from one face.
X1 = Minimum end distance, X2 = Minimum edge distance, Y2 = Minimum row spacing.

FASTENER INSTALLATION – 2 ROWS (FROM ONE FACE)





- The dead loads used in the design of this member were applied to the structure as projected dead loads.
- Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.



Customer:
Street 1:
City:
Customer Ph...

Job Name: **B**
Level: **1st FLOOR**
Label: **GDH1 - i29**
Type: **Beam**

2 Ply Member
2.0 RigidLam DF LVL 1-3/4
x 11-7/8

Status:
Design
Passed

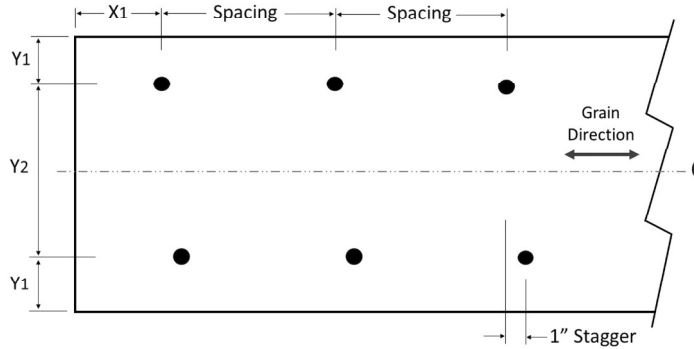
DESIGN NOTES

- Tributary Loads have been generated based on actual spacing between members in the model which may differ from the default system spacing. The actual loads applied to the member are shown in the Specified Loads table.
- Transfer reactions may differ from design results as allowed per building codes and standard load distribution practices.
- This report is based on modeled conditions input by the user. Source information for the loads and supports are provided for reference only. Verify that all loads and support conditions are correct.
- Review all loads and reactions to ensure that the member/bearing/connector/structure can resist adequately. Unless already specified on this report, anchorage for uplift reactions to be specified by others. Installation of member and accessories (if required) as per manufacturer's instruction.
- Beam Stability Factor used in the calculation for Allowable Max Pos Moment (CL) = 0.83

PLY TO PLY CONNECTION

- Zone A: Factored load = 0 plf. Use 12d (0.148"x3.25") nails. LDF = 1.00. Qty = 48. Row = 2, Spacing = 12"
12d (0.148"x3.25") nails properties: D = 0.148" , L = 3.25". Fastener capacity = 117 lbs. X1 = 2.25" , Y1 = 0.75" , Y2 = 1.5"
Install fasteners from one face.
X1 = Minimum end distance, X2 = Minimum edge distance, Y2 = Minimum row spacing.

FASTENER INSTALLATION – 2 ROWS (FROM ONE FACE)



- ## PLY TO PLY CONNECTION



Customer:
Street 1:
City:
Customer Ph...

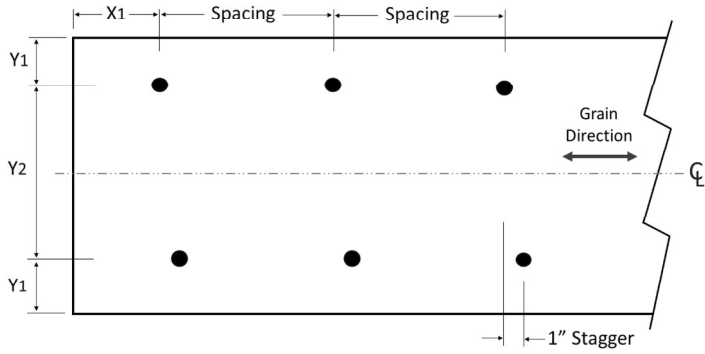
Job Name: **B**
Level: **1st FLOOR**
Label: **DB1-2 - i30**
Type: **Beam**

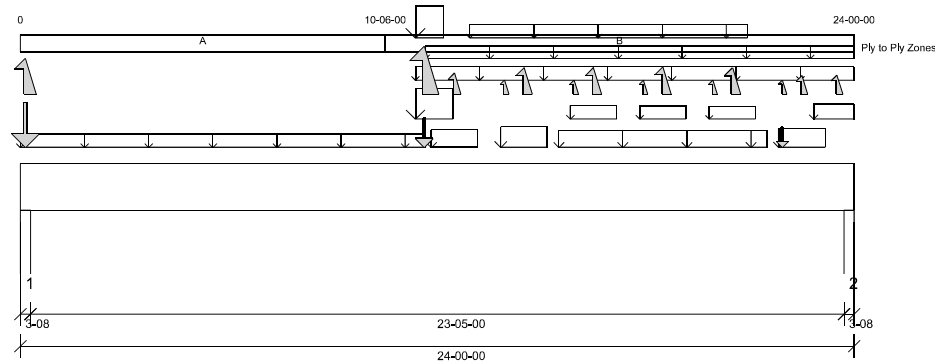
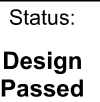
2 Ply Member
2.0 RigidLam DF LVL 1-3/4
x 11-7/8

Status:
Design
Passed

PLY TO PLY CONNECTION

FASTENER INSTALLATION – 2 ROWS (FROM ONE FACE)





- CAUTION: One or more plies are not supported properly at 1-12. At least 75% of every ply must be contacting support.



Customer:
Street 1:
City:
Customer Ph...

Job Name: **B**
Level: **1st FLOOR**
Label: **FB4-2 - i39**
Type: **Beam**

2 Ply Member
2.0 RigidLam DF LVL 1-3/4
x 16

Status:
Design
Passed

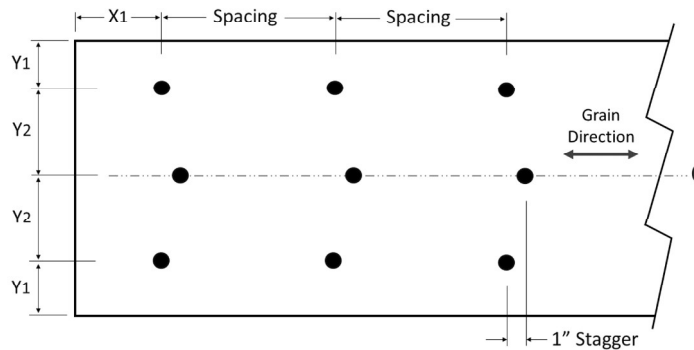
DESIGN NOTES

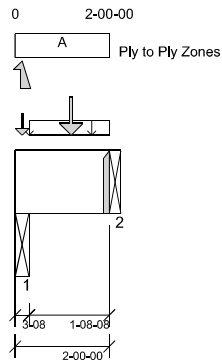
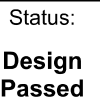
- CAUTION: One or more plies are not supported properly at 1-12. At least 75% of every ply must be contacting support.
- The dead loads used in the design of this member were applied to the structure as projected dead loads.
- Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
- Tributary Loads have been generated based on actual spacing between members in the model which may differ from the default system spacing. The actual loads applied to the member are shown in the Specified Loads table.
- Transfer reactions may differ from design results as allowed per building codes and standard load distribution practices.
- This report is based on modeled conditions input by the user. Source information for the loads and supports are provided for reference only. Verify that all loads and support conditions are correct.
- Review all loads and reactions to ensure that the member/bearing/connector/structure can resist adequately. Unless already specified on this report, anchorage for uplift reactions to be specified by others. Installation of member and accessories (if required) as per manufacturer's instruction.
- Beam Stability Factor used in the calculation for Allowable Max Pos Moment (CL) = 1.00
- Bearing length at support 1 was calculated based on the actual bearing area divided by the supported member width and may not match expected value when bearing is not rectangular or when the supported member is not supported by its full width.
- One or more plies are not properly supported at 1. Verify with structural engineer or EWP manufacturer if this condition is acceptable.

PLY TO PLY CONNECTION

- Zone A: Factored load = 0 plf. Use 12d (0.148"x3.25") nails. LDF = 1.00. Qty = 33. Row = 3, Spacing = 12"
 - Zone B: Factored load = 228 plf. Use 12d (0.148"x3.25") nails. LDF = 1.00. Qty = 42. Row = 3, Spacing = 12"
- 12d (0.148"x3.25") nails properties: D = 0.148", L = 3.25". Fastener capacity = 117 lbs. X1 = 2.25", Y1 = 0.75", Y2 = 1.5"
- Install fasteners from one face.
- X1 = Minimum end distance, X2 = Minimum edge distance, Y2 = Minimum row spacing.

FASTENER INSTALLATION – 3 ROWS (FROM ONE FACE)





- Zone A: Factored load = 209 plf. Use 12d (0.148"x3.25") nails. LDF = 1.00. Qty = 6. Row = 3, Spacing = 12"
 12d (0.148"x3.25") nails properties: D = 0.148", L = 3.25". Fastener capacity = 117 lbs. X1 = 2.25", Y1 = 0.75", Y2 = 1.5"
 Install fasteners from one face.
 X1 = Minimum end distance. X2 = Minimum edge distance. Y2 = Minimum row spacing.



Customer:
Street 1:
City:
Customer Ph...

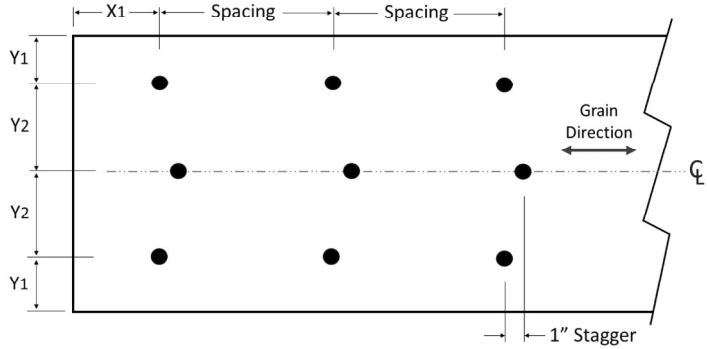
Job Name: **B**
Level: **1st FLOOR**
Label: **FB5-2 - i40**
Type: **Beam**

2 Ply Member
2.0 RigidLam DF LVL 1-3/4
x 16

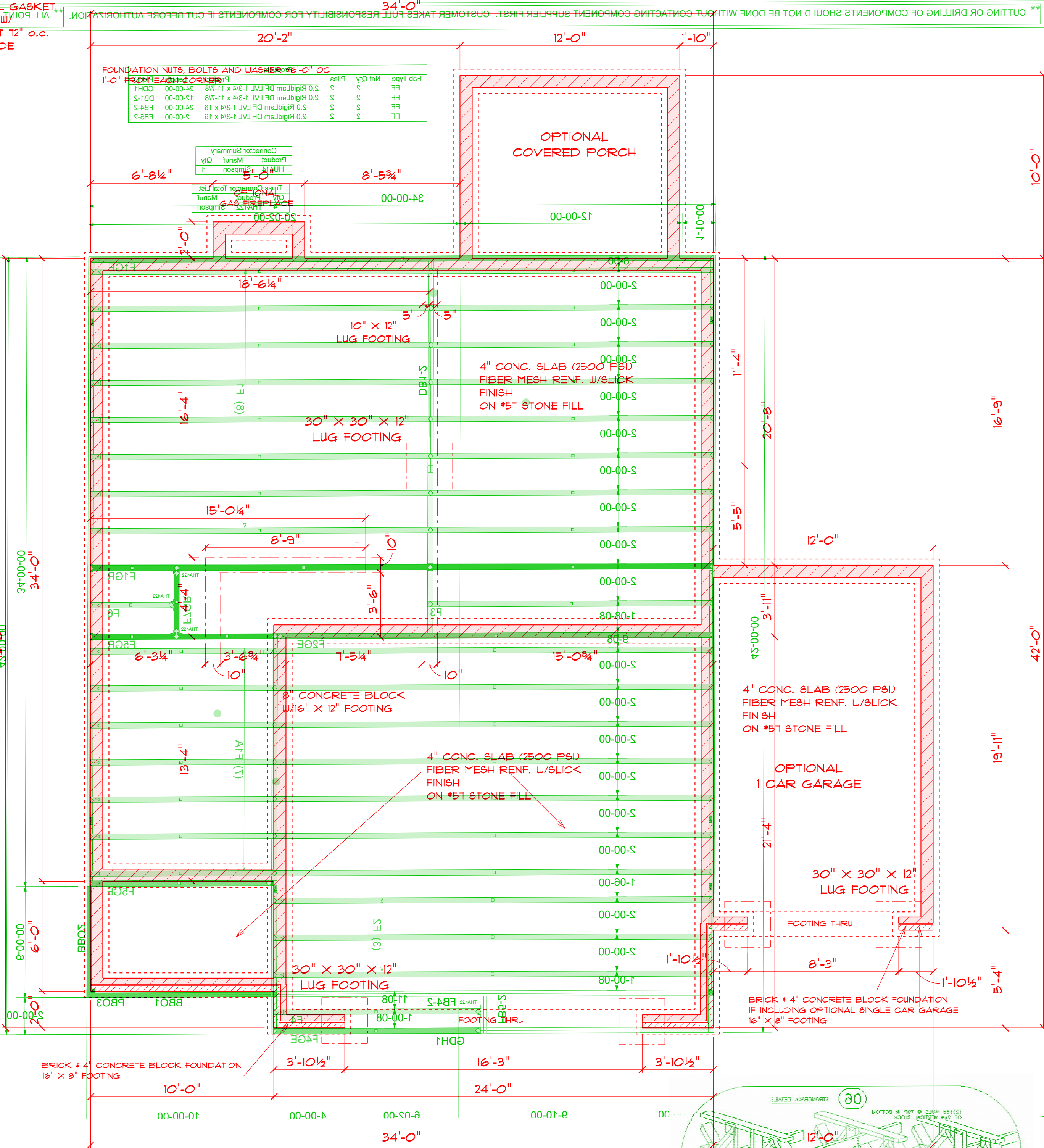
Status:
Design
Passed

PLY TO PLY CONNECTION

FASTENER INSTALLATION – 3 ROWS (FROM ONE FACE)



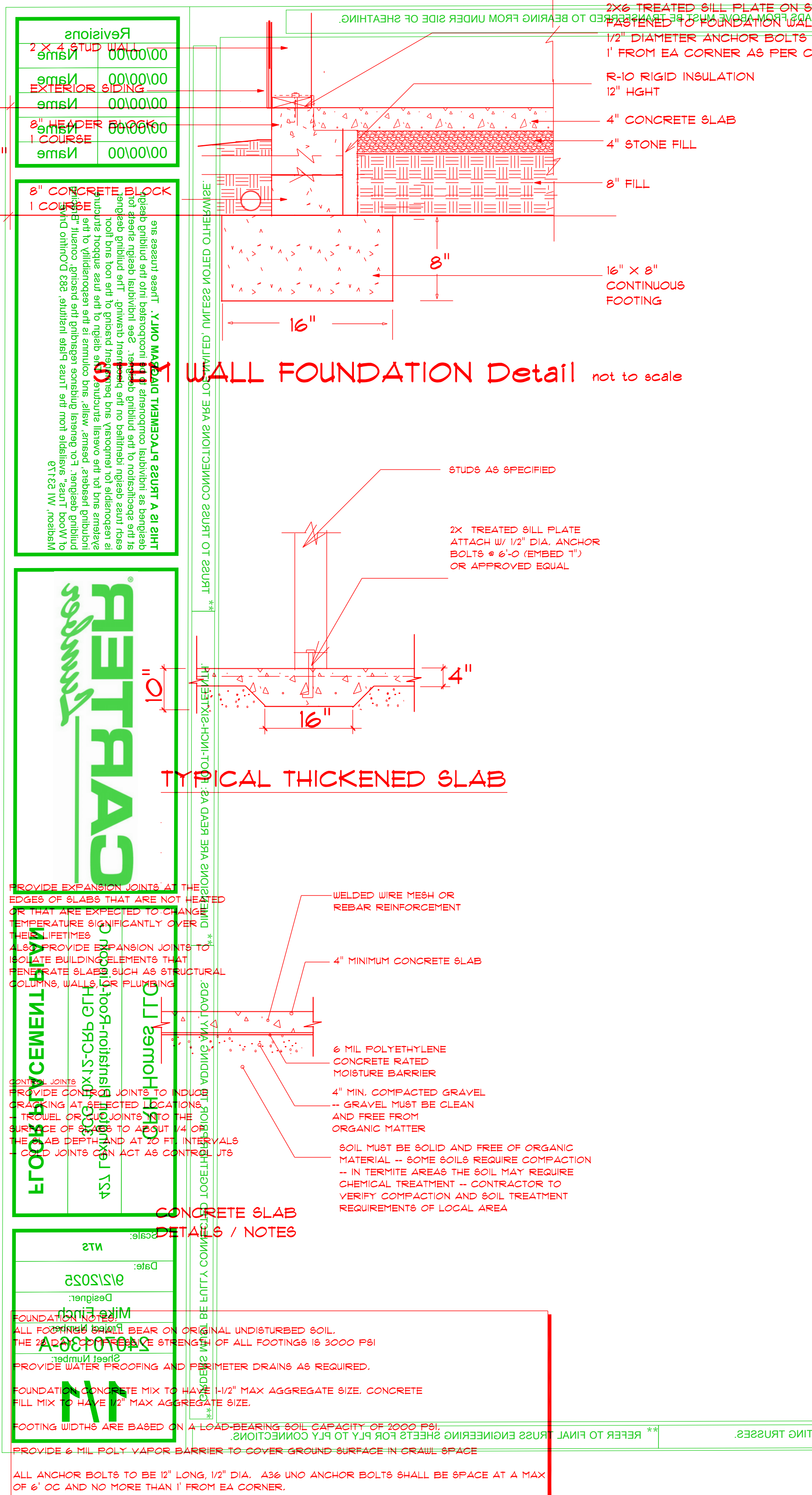
General Notes:



FOUNDATION PLAN

SCALE: 1"= 1/4"

CRH HOMES RETAINS TITLE AND OWNERSHIP OF ALL PLANS. THESE PLANS CAN NOT BE COPIED OR REPRODUCED. THESE PLANS CAN NOT BE BUILT BY ANYONE BUILDER OTHER THAN CRH HOMES



WALL FOUNDATION Detail not to scale

TYPICAL THICKENED SLAB

CONCRETE SLAB DETAILS / NOTES

Revisions	By	Date
1	DRD	10/1/2024
2	DRD	10/1/2024
3	DRD	10/1/2024
4	DRD	10/1/2024
5	DRD	10/1/2024
6	DRD	10/1/2024
7	DRD	10/1/2024
8	DRD	10/1/2024
9	DRD	10/1/2024
10	DRD	10/1/2024
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96	DRD	10/1/2024
97	DRD	10/1/2024
98	DRD	10/1/2024
99	DRD	10/1/2024
100	DRD	10/1/2024

8" CONCRETE BLOCK
1 COURSE

CRH HOMES
4541 LINDSEY LANE
SANFORD, NC 27332
919-TTC-0353
gotluch@earthlink.net

FOUNDATION NOTES:
1. ALL FOUNDATION SHALL BE BUILT ON ORIGINALLY UNDISTURBED SOIL.
2. THE MINIMUM STRENGTH OF ALL FOOTINGS IS 3000 PSI.
3. PROVIDE WATER PROOFING AND FIBER MESH DRAINAGE AS REQUIRED.
4. FOUNDATION CONCRETE MIX TO HAVE 1/2" MAX AGGREGATE SIZE. CONCRETE FILL MIX TO HAVE 1/2" MAX AGGREGATE SIZE.
5. FOOTING WIDTHS ARE BASED ON A LOAD-BEARING SOIL CAPACITY OF 3000 PSF.
6. REFER TO FINAL ENGINEERING SHEETS FOR PLY TO PLY CONNECTIONS.
7. PROVIDE 6 MIL POLY-VAPOR BARRIER TO COVER GROUND SURFACE IN CRAWL SPACE.

Termite Soil Treatment: Treat entire crawl space surface before vapor barrier is installed and poured with a state approved termite treatment. This should be applied by a licensed and certified pest control professional by the state of North Carolina.