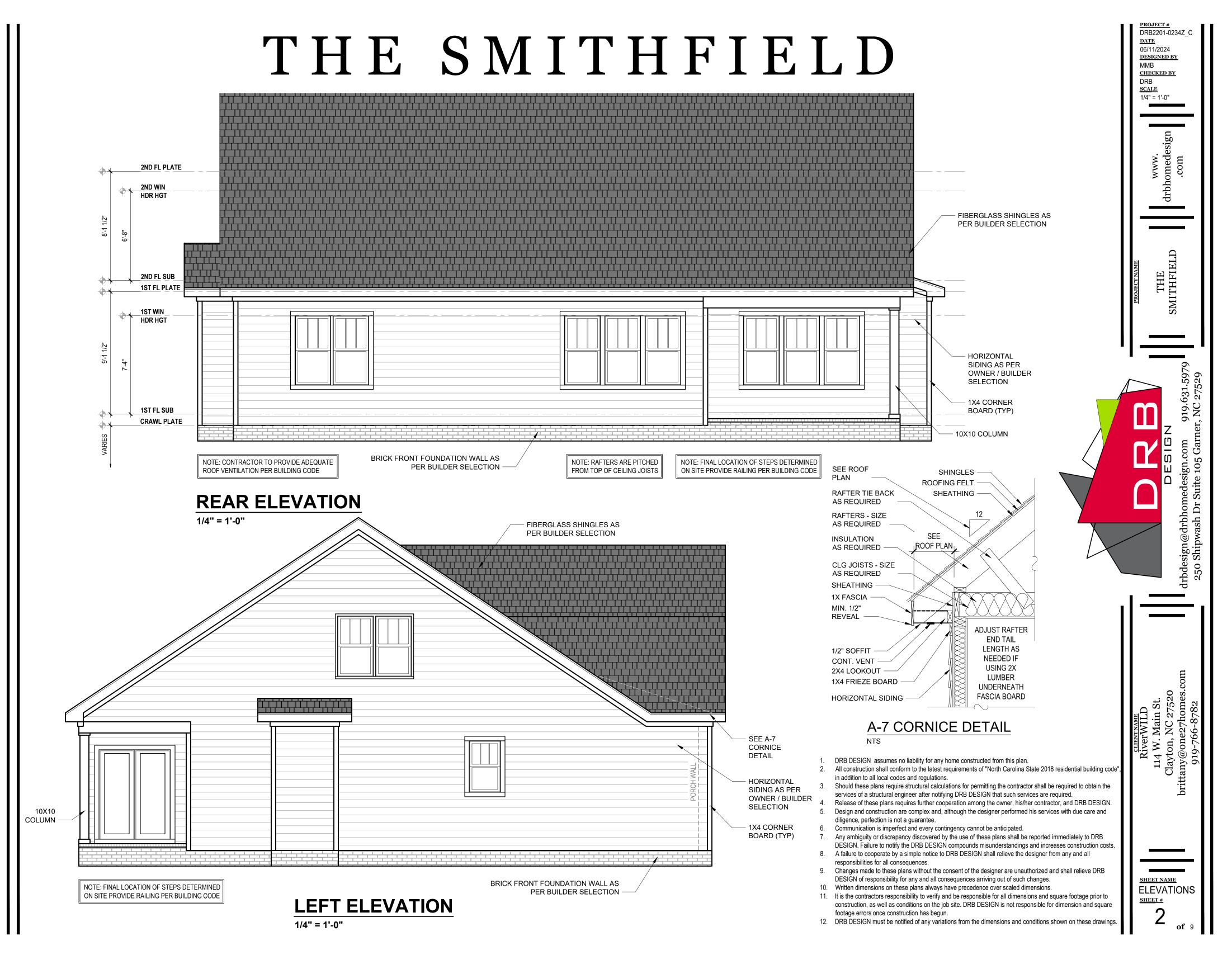
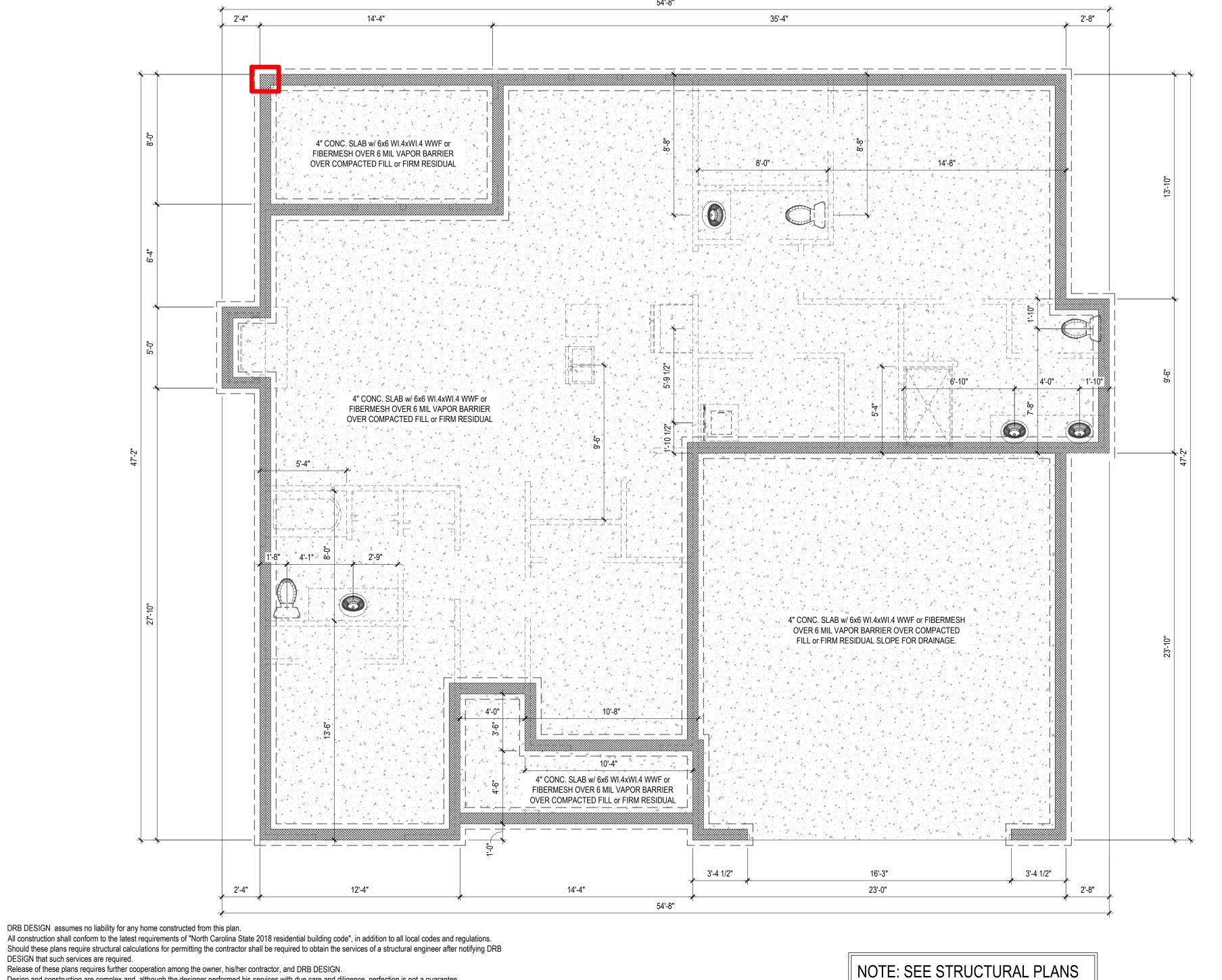


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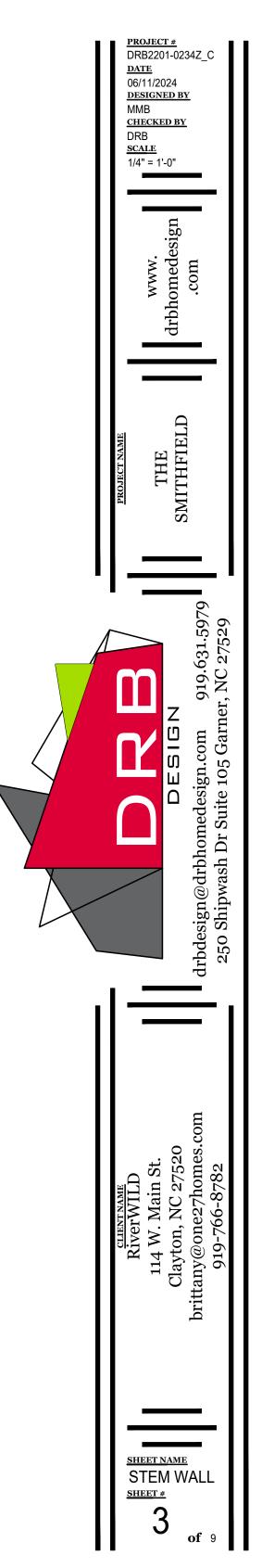
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- All construction shall conform to the latest requirements of "North Carolina State 2018 residential building code", in addition to all local codes and regulations. 2. 3.
- DESIGN that such services are required.
- Release of these plans requires further cooperation among the owner, his/her contractor, and DRB DESIGN. Design and construction are complex and, although the designer performed his services with due care and diligence, perfection is not a guarantee.
- Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to DRB DESIGN. Failure to notify the DRB DESIGN compounds misunderstandings and increases construction costs.
- A failure to cooperate by a simple notice to DRB DESIGN shall relieve the designer from any and all responsibilities for all consequences. Changes made to these plans without the consent of the designer are unauthorized and shall relieve DRB DESIGN of responsibility for any and all consequences 9. arriving out of such changes.
- Written dimensions on these plans always have precedence over scaled dimensions.
  It is the contractors responsibility to verify and be responsible for all dimensions and square footage prior to construction, as well as conditions on the job site. DRB DESIGN is not responsible for dimension and square footage errors once construction has begun.
- 12. DRB DESIGN must be notified of any variations from the dimensions and conditions shown on these drawings.

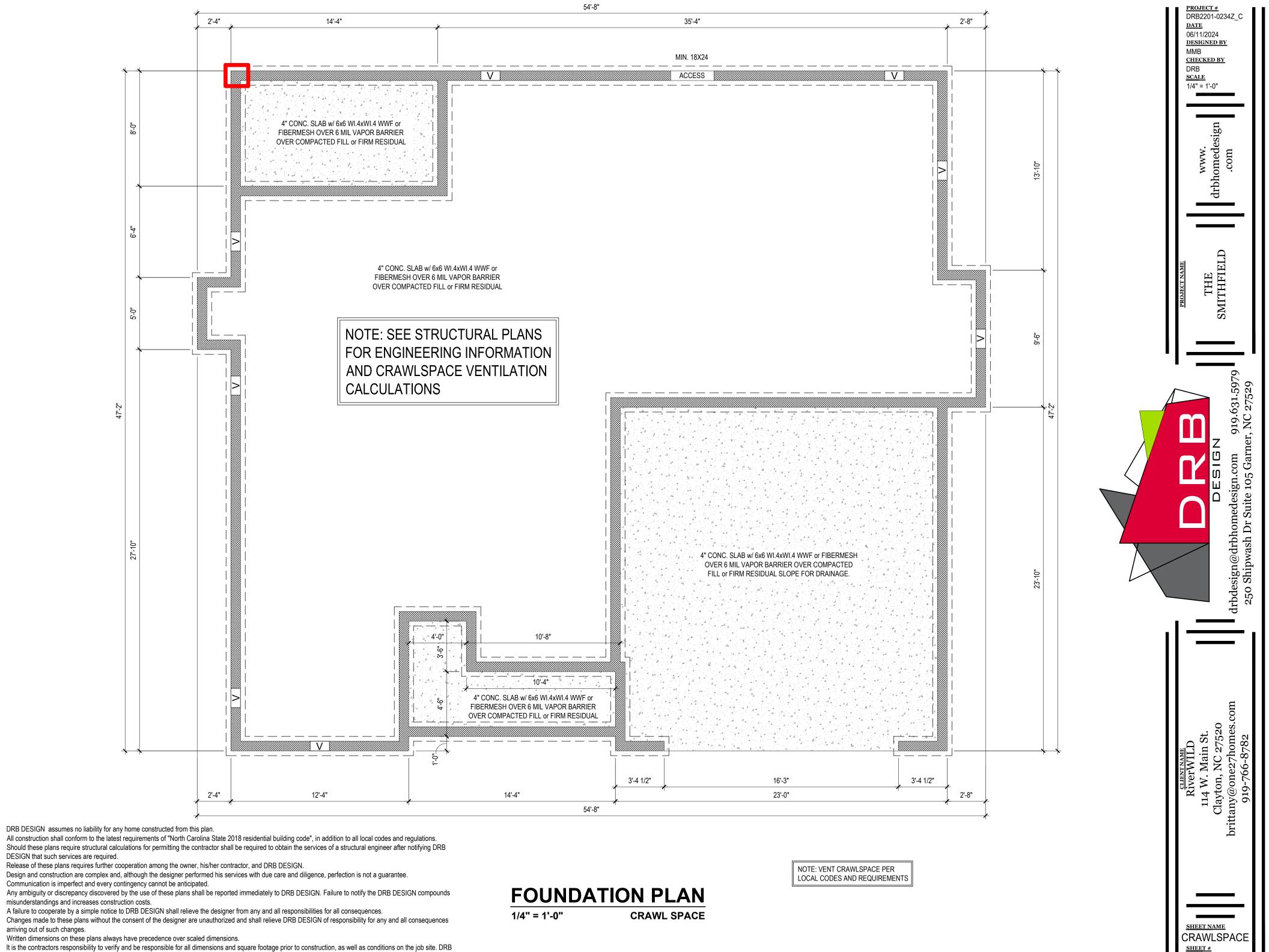


1/4" = 1'-0"



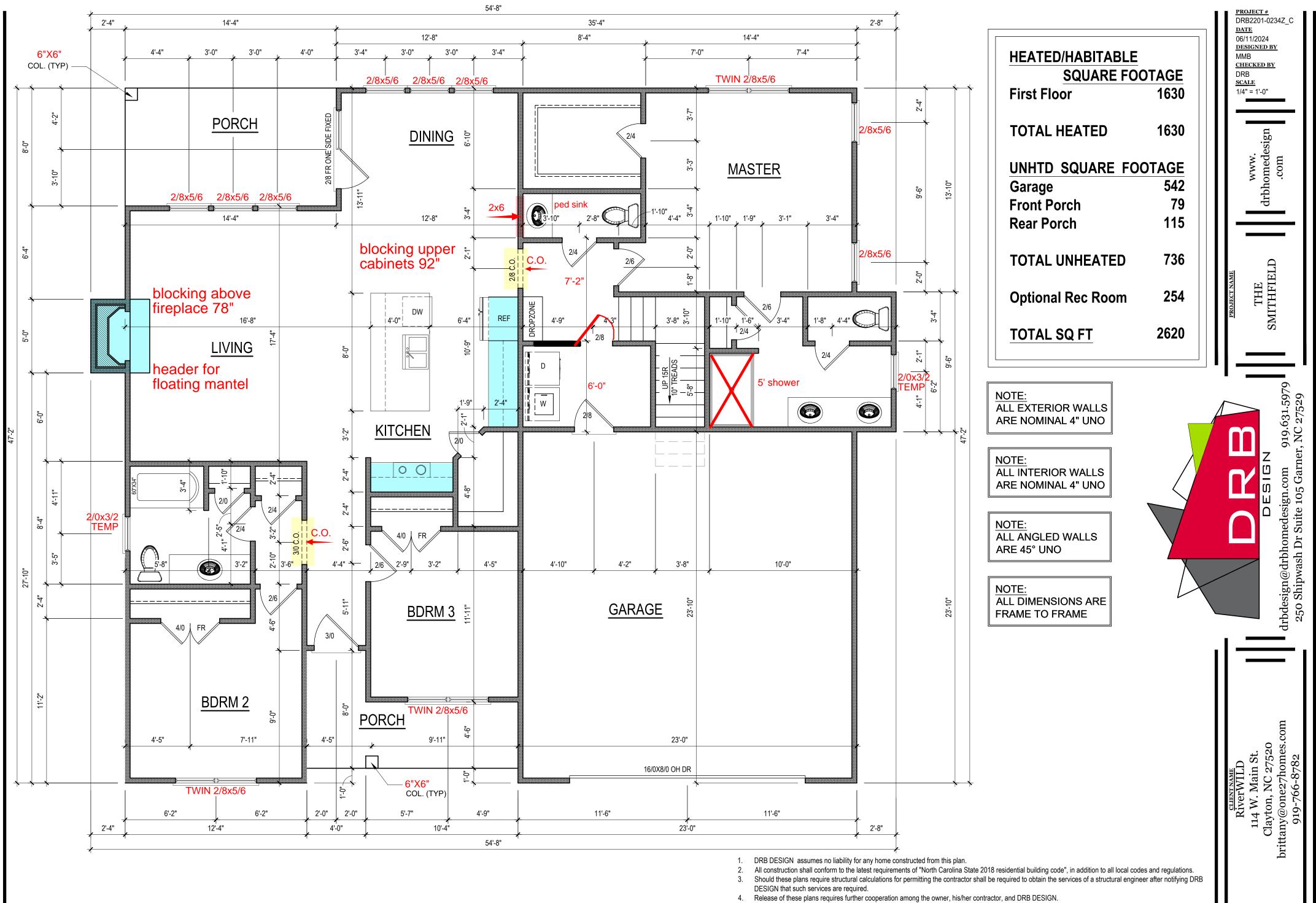
**STEM WALL** 

FOR ENGINEERING INFORMATION



5

- 3. DESIGN that such services are required.
- Release of these plans requires further cooperation among the owner, his/her contractor, and DRB DESIGN.
- Design and construction are complex and, although the designer performed his services with due care and diligence, perfection is not a guarantee.
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## **FIRST FLOOR PLAN**

1/4" = 1'-0"

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CEILING HGT. = 9'-0"

- Design and construction are complex and, although the designer performed his services with due care and diligence, perfection is not a guarantee.
- Communication is imperfect and every contingency cannot be anticipated.
- 7. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to DRB DESIGN. Failure to notify the DRB DESIGN compounds misunderstandings and increases construction costs.
- 8. A failure to cooperate by a simple notice to DRB DESIGN shall relieve the designer from any and all responsibilities for all consequences.
- Changes made to these plans without the consent of the designer are unauthorized and shall relieve DRB DESIGN of responsibility for any and all consequences arriving out of such changes.
  Written dimensions on these plans always have precedence over cooled dimensions.

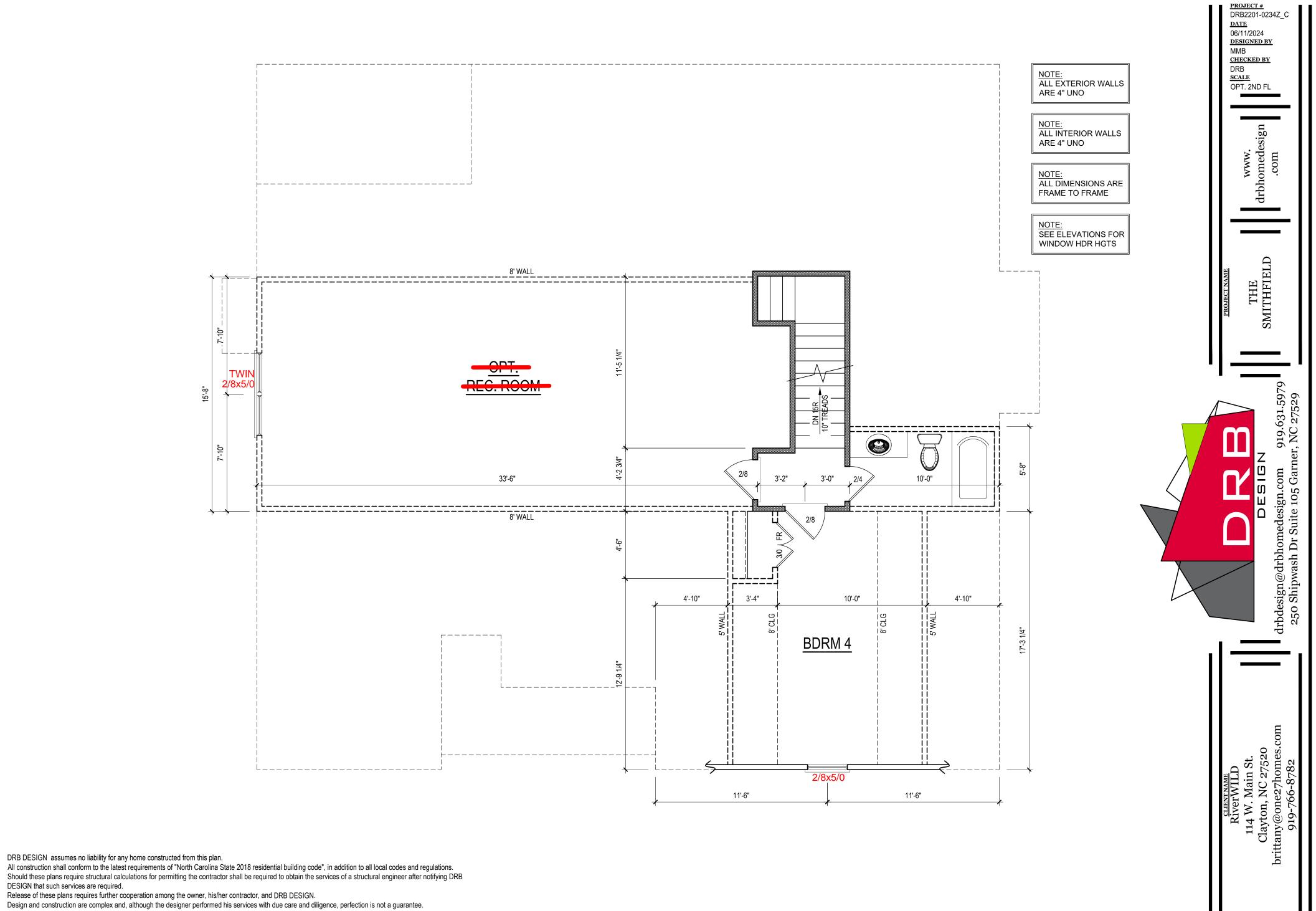
SHEET NAME

6

SHEET #

**1ST FLOOR** 

- 10. Written dimensions on these plans always have precedence over scaled dimensions.
- 11. It is the contractors responsibility to verify and be responsible for all dimensions and square footage prior to construction, as well as conditions on the job site. DRB DESIGN is not responsible for dimension and square footage errors once construction has begun.
- 12. DRB DESIGN must be notified of any variations from the dimensions and conditions shown on these drawings.



DRB DESIGN assumes no liability for any home constructed from this plan.

- All construction shall conform to the latest requirements of "North Carolina State 2018 residential building code", in addition to all local codes and regulations. 2. Should these plans require structural calculations for permitting the contractor shall be required to obtain the services of a structural engineer after notifying DRB 3.
- DESIGN that such services are required.
- 4
- Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to DRB DESIGN. Failure to notify the DRB DESIGN compounds misunderstandings and increases construction costs.
- A failure to cooperate by a simple notice to DRB DESIGN shall relieve the designer from any and all responsibilities for all consequences.
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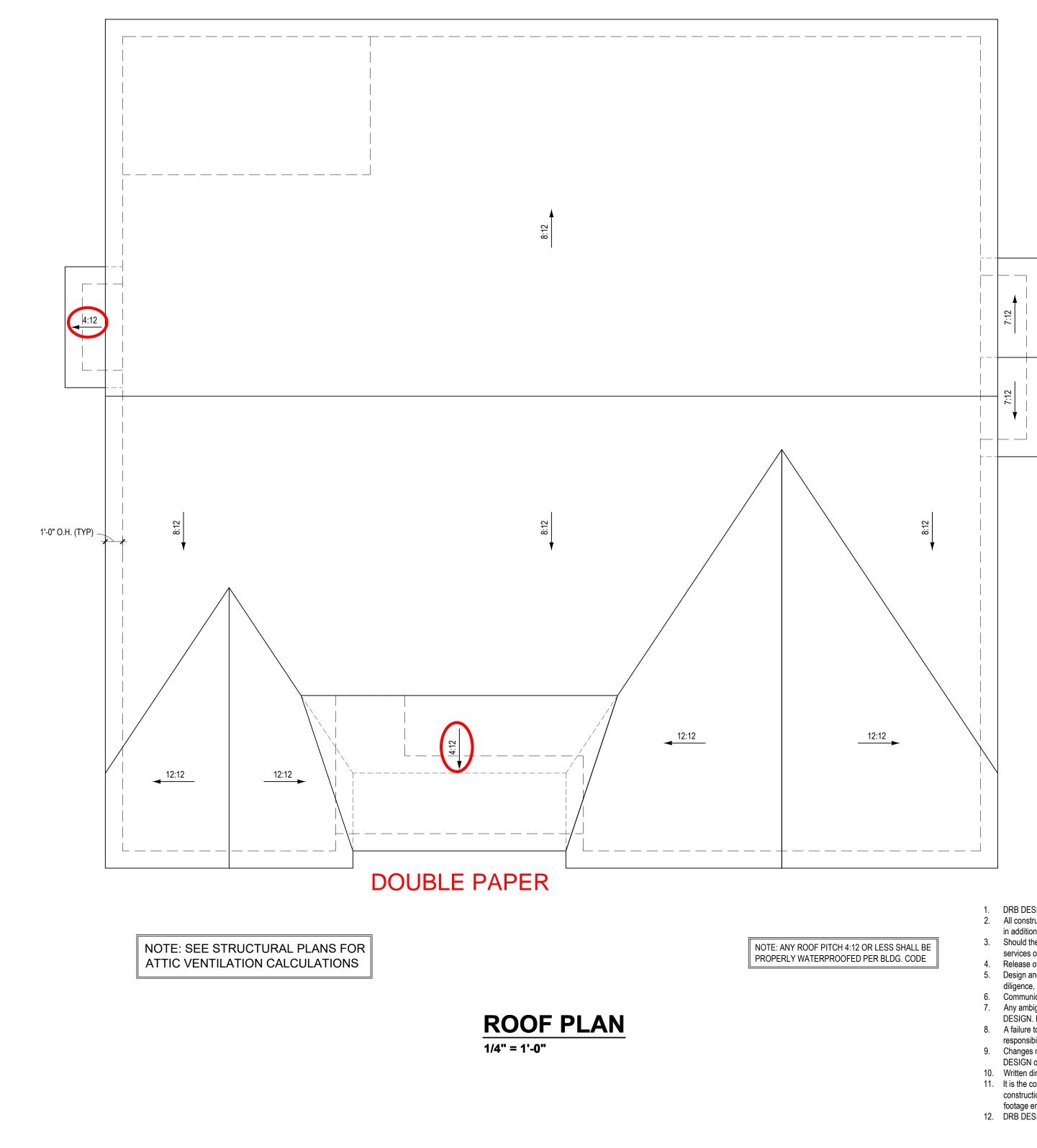
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1/4" = 1'-0"

CEILING HGT. = 8'-0"

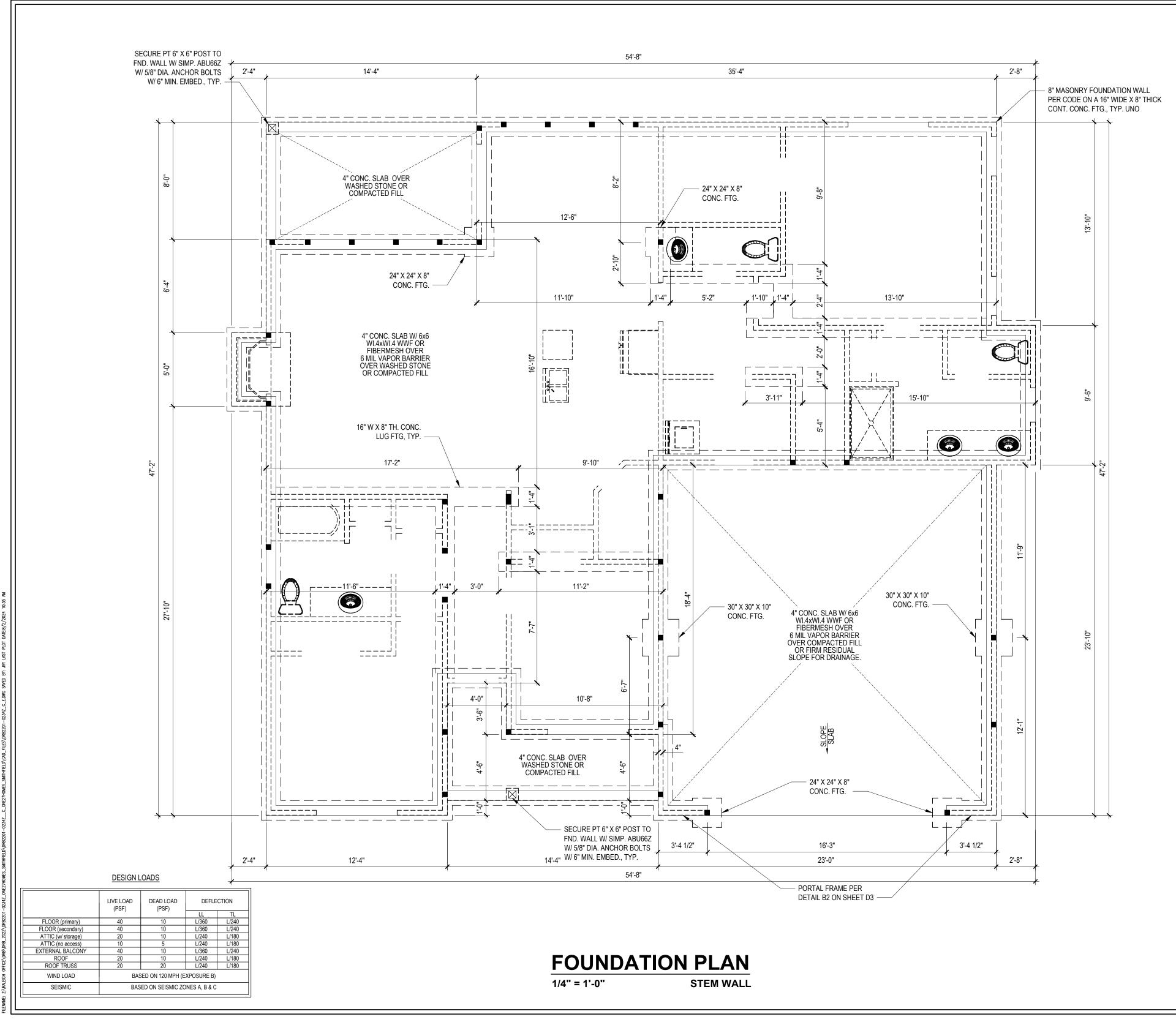
<u>SHEET NAME</u> 2ND FLOOR SHEET # 8

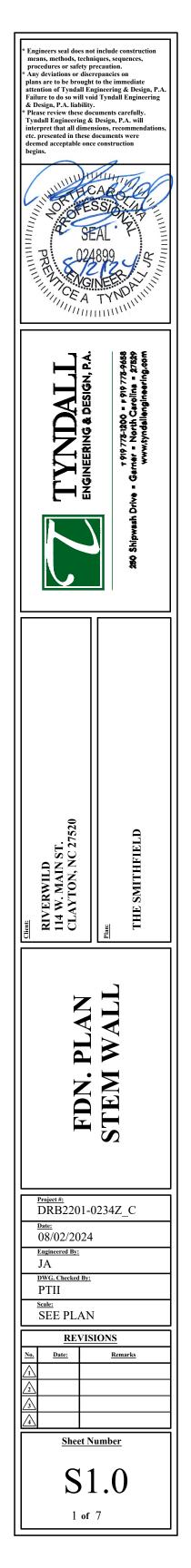


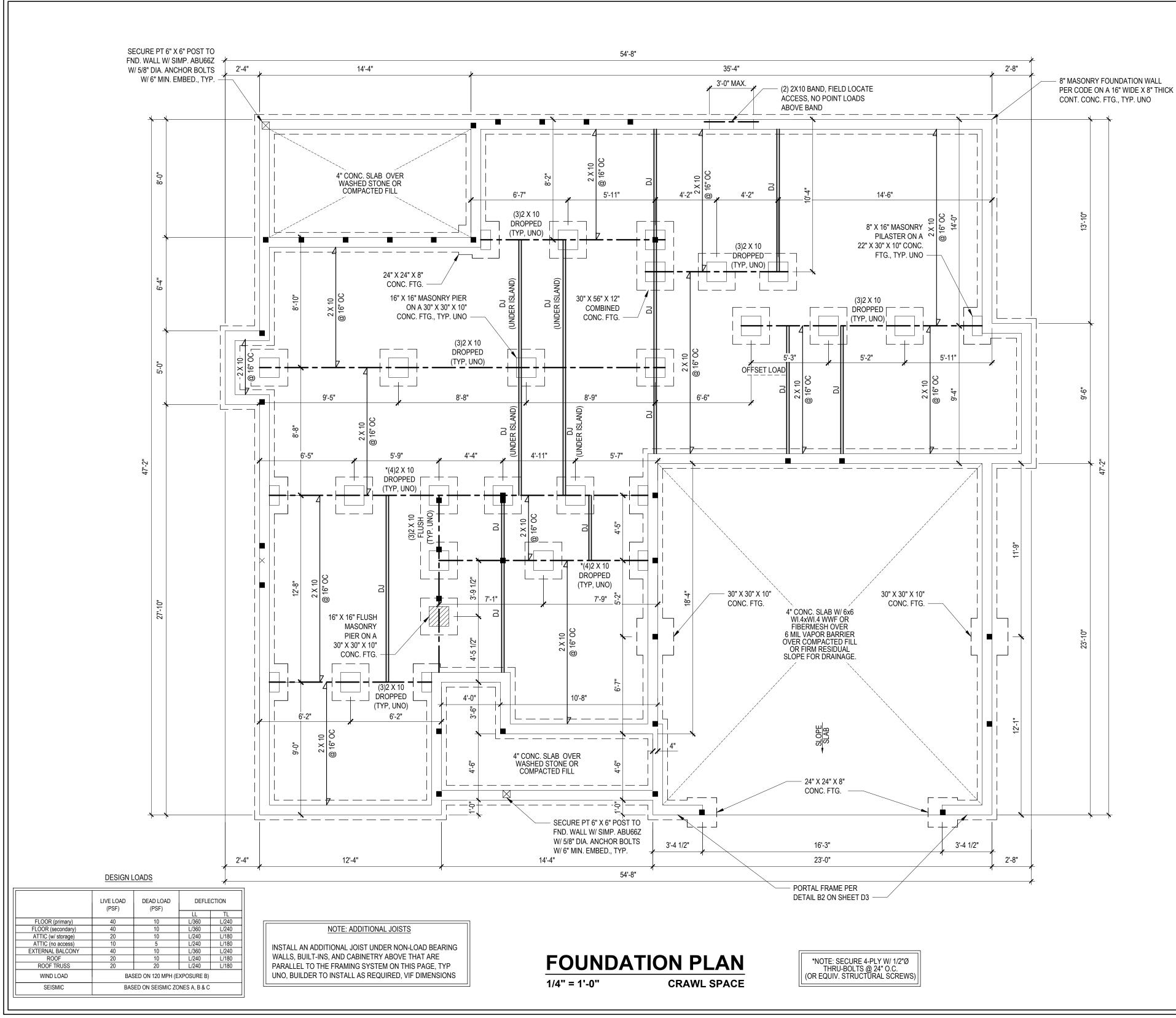
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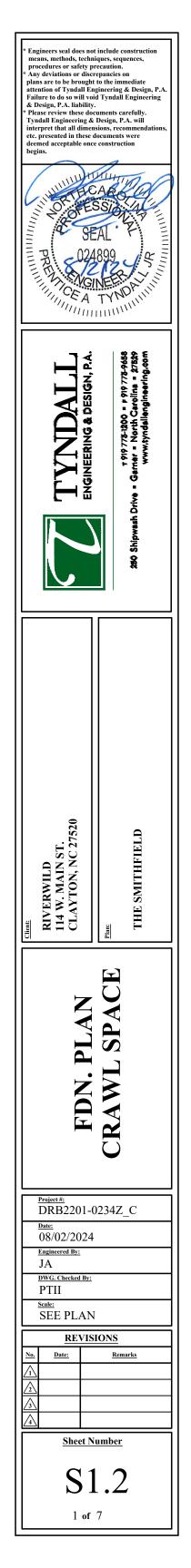


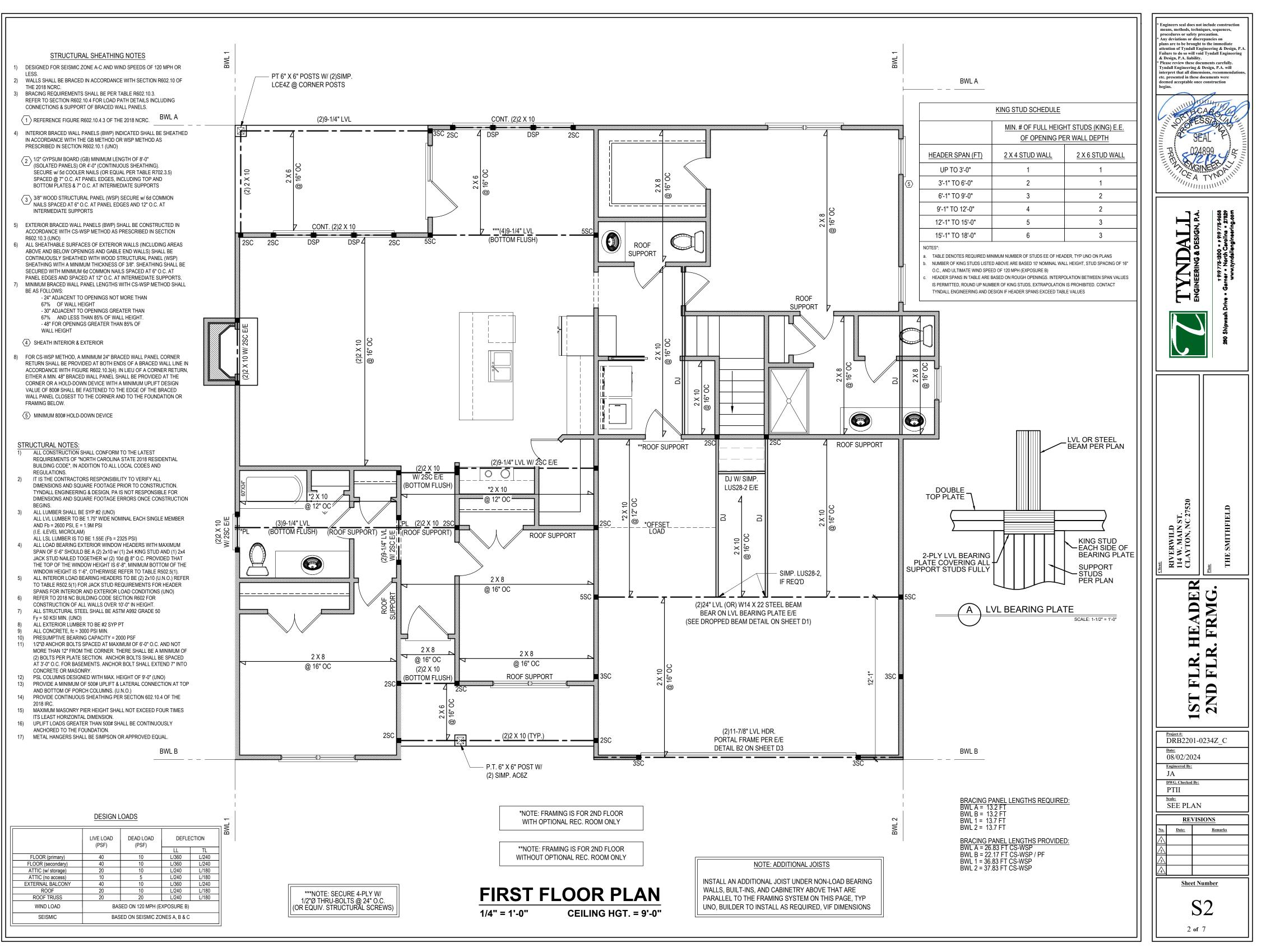
- 1. DRB DESIGN assumes no liability for any home constructed from this plan.
- 2. All construction shall conform to the latest requirements of "North Carolina State 2018 residential building code", in addition to all local codes and regulations.
- 3. Should these plans require structural calculations for permitting the contractor shall be required to obtain the services of a structural engineer after notifying DRB DESIGN that such services are required.
- 4. Release of these plans requires further cooperation among the owner, his/her contractor, and DRB DESIGN.
- 5. Design and construction are complex and, although the designer performed his services with due care and diligence, perfection is not a guarantee.
- 6. Communication is imperfect and every contingency cannot be anticipated.
- 7. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to DRB DESIGN. Failure to notify the DRB DESIGN compounds misunderstandings and increases construction costs.
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- 12. DRB DESIGN must be notified of any variations from the dimensions and conditions shown on these drawings.





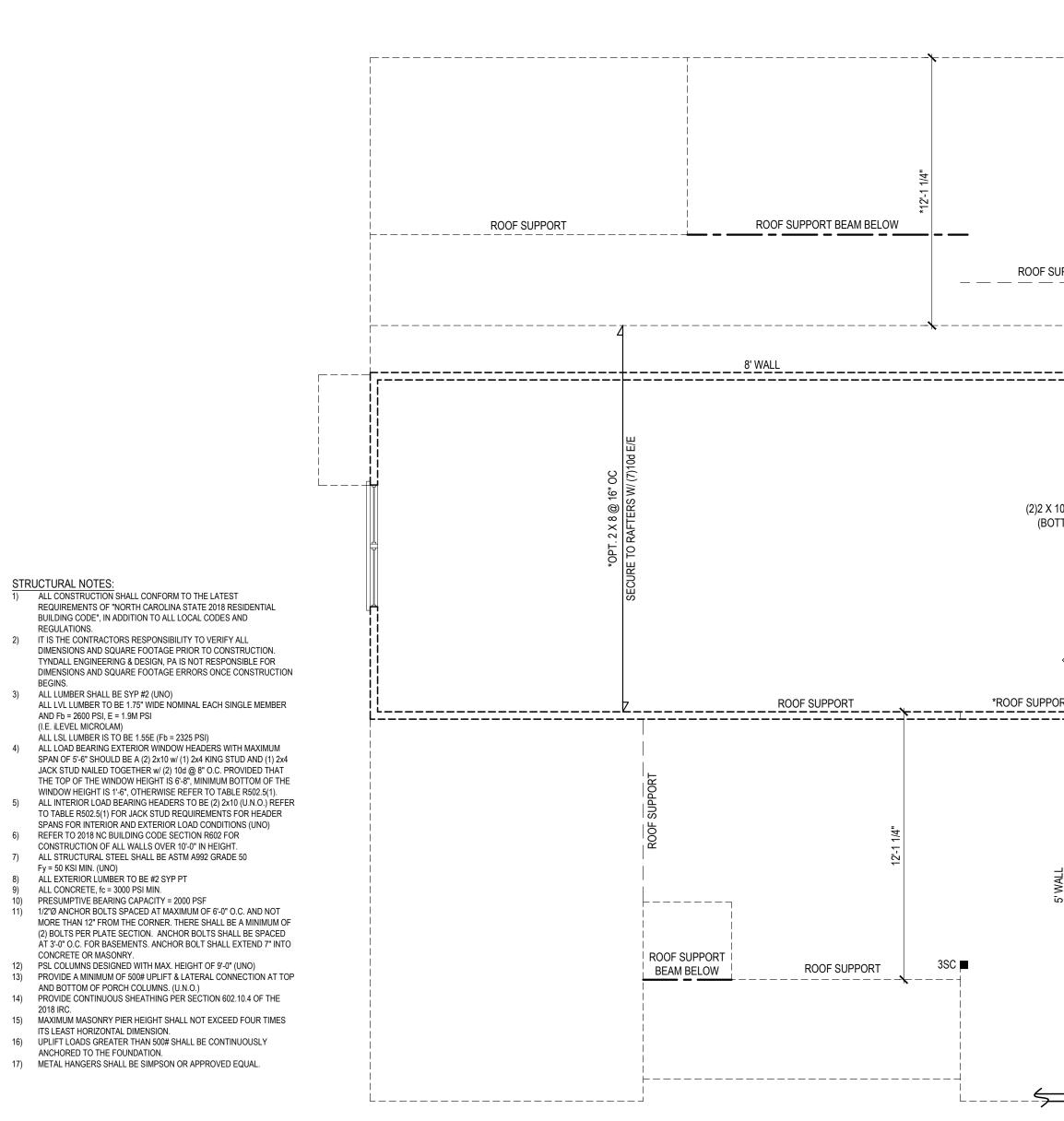






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## DESIGN LOADS

	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION	
		(101)	LL	TL
FLOOR (primary)	40	10	L/360	L/240
FLOOR (secondary)	40	10	L/360	L/240
ATTIC (w/ storage)	20	10	L/240	L/180
ATTIC (no access)	10	5	L/240	L/180
EXTERNAL BALCONY	40	10	L/360	L/240
ROOF	20	10	L/240	L/180
ROOF TRUSS	20	20	L/240	L/180
WIND LOAD	BASED ON 120 MPH (EXPOSURE B)			
SEISMIC	BASED ON SEISMIC ZONES A, B & C			

\*NOTE: FRAMING IS FOR 2ND FLOOR WITH OPTIONAL REC. ROOM ONLY



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ROF SUPPORT	JPPORT			
10 W/ 2SC E/E TTOM FLUSH) PL ROOF SUPPORT PL ROOF SUPPORT SUPP				
DVM.G	TTOM FLUSH)	,	UPPORT	
	50 2 X 6 CJ/CT @ 32" 0			3SC
			<u> </u>	

KING STUD SCHEDULE					
	MIN. # OF FULL HEIGHT STUDS (KING) E.E. OF OPENING PER WALL DEPTH				
HEADER SPAN (FT)	2 X 4 STUD WALL	2 X 6 STUD WALL			
UP TO 3'-0"	1	1			
3'-1" TO 6'-0"	2	1			
6'-1" TO 9'-0"	3	2			
9'-1" TO 12'-0"	4	2			
12'-1" TO 15'-0"	5	3			
15'-1" TO 18'-0"	6	3			
NOTES*:					

a. TABLE DENOTES REQUIRED MINIMUM NUMBER OF STUDS EE OF HEADER, TYP UNO ON PLANS

TYNDALL ENGINEERING AND DESIGN IF HEADER SPANS EXCEED TABLE VALUES

O.C., AND ULTIMATE WIND SPEED OF 120 MPH (EXPOSURE B)

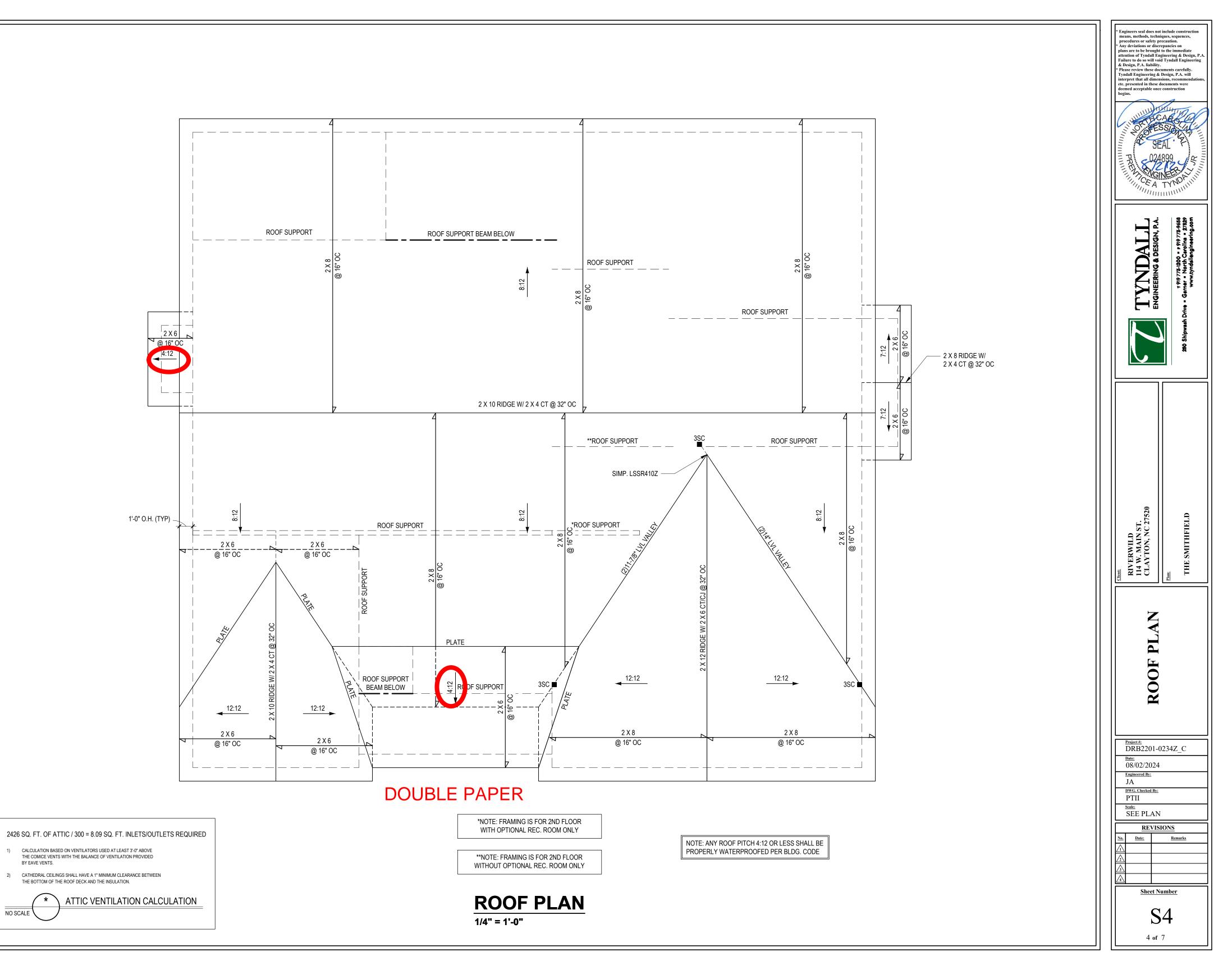
NUMBER OF KING STUDS LISTED ABOVE ARE BASED 10' NOMINAL WALL HEIGHT, STUD SPACING OF 16"

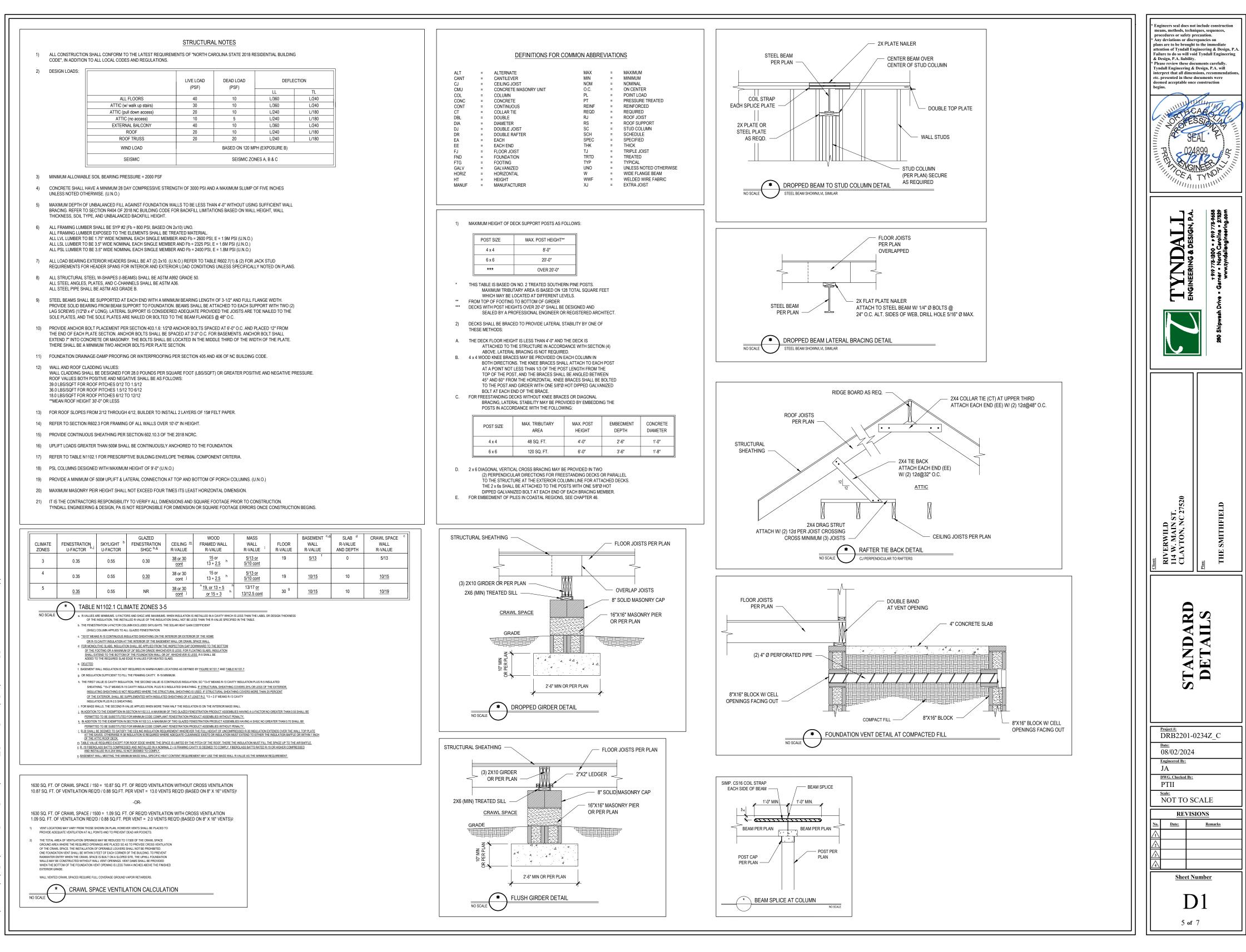
c. HEADER SPANS IN TABLE ARE BASED ON ROUGH OPENINGS. INTERPOLATION BETWEEN SPAN VALUES IS PERMITTED, ROUND UP NUMBER OF KING STUDS, EXTRAPOLATION IS PROHIBITED. CONTACT

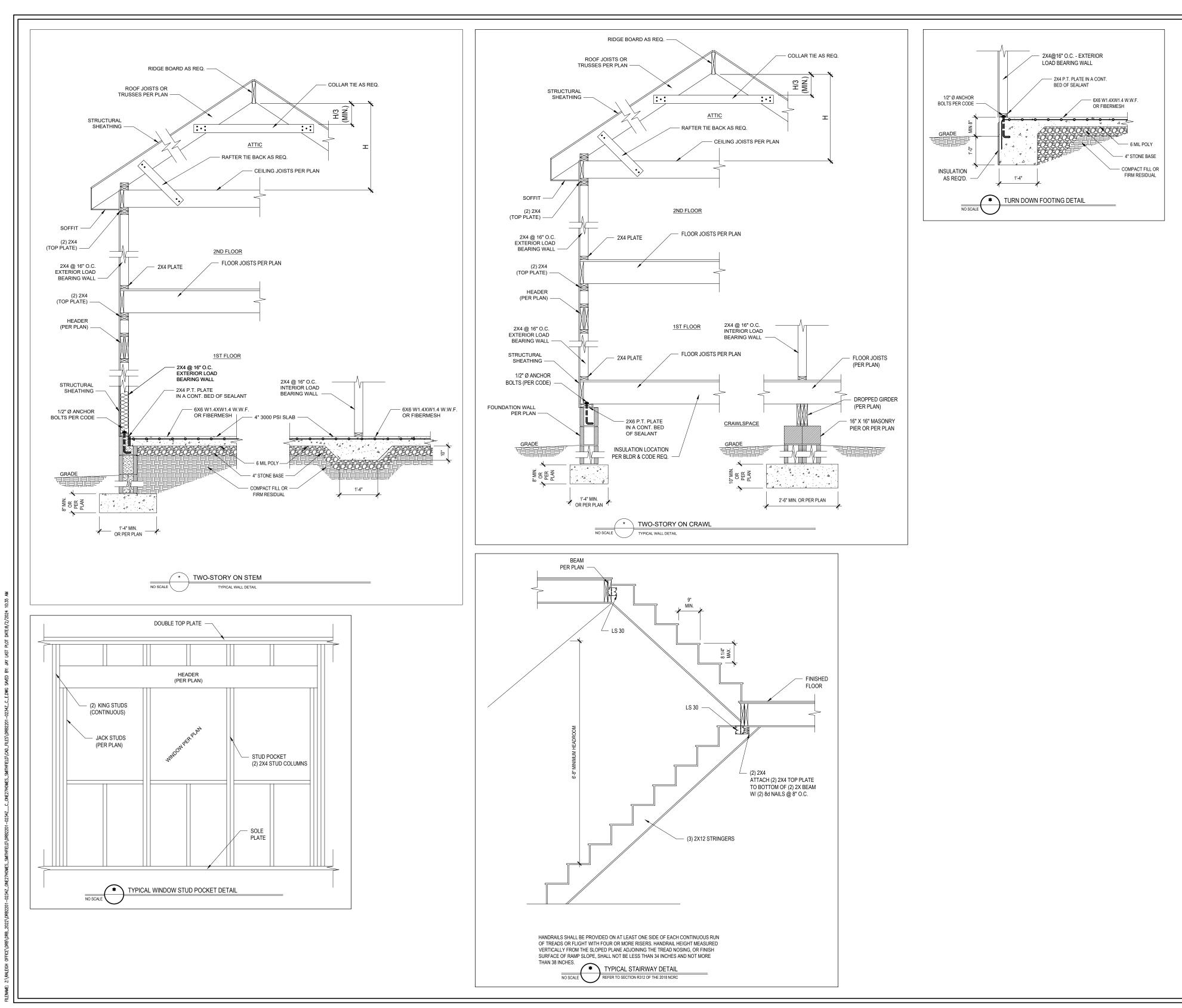
EA TYN MILLININ (1) TYNDALL ENGINEERING & DESIGN, P.A. RIVERWILD 114 W. MAIN ST. CLAYTON, NC 27520 SMITHFIELD THE HDR. Q Ŭ Ň 2 2ND 2ND DRB2201-0234Z C 08/02/2024 Engineered By: JA DWG. Checked By: PTII Scale SEE PLAN REVISIONS Date: Remarks Sheet Number S3.1 3 of 7

\* Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precaution.
 \* Any deviations or discrepancies on plans are to be brought to the immediate attention of Tyndall Engineering & Design, P.A. Failure to do so will void Tyndall Engineering & Design, P.A. liability.
 \* Please review these documents carefully. Tyndall Engineering & Design, P.A. will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction

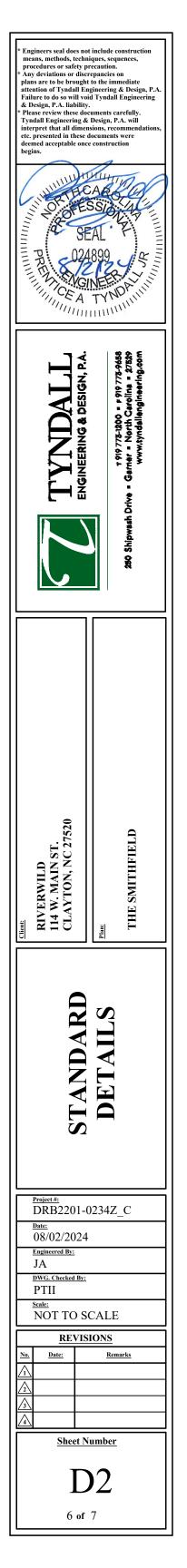
med acceptable once construction

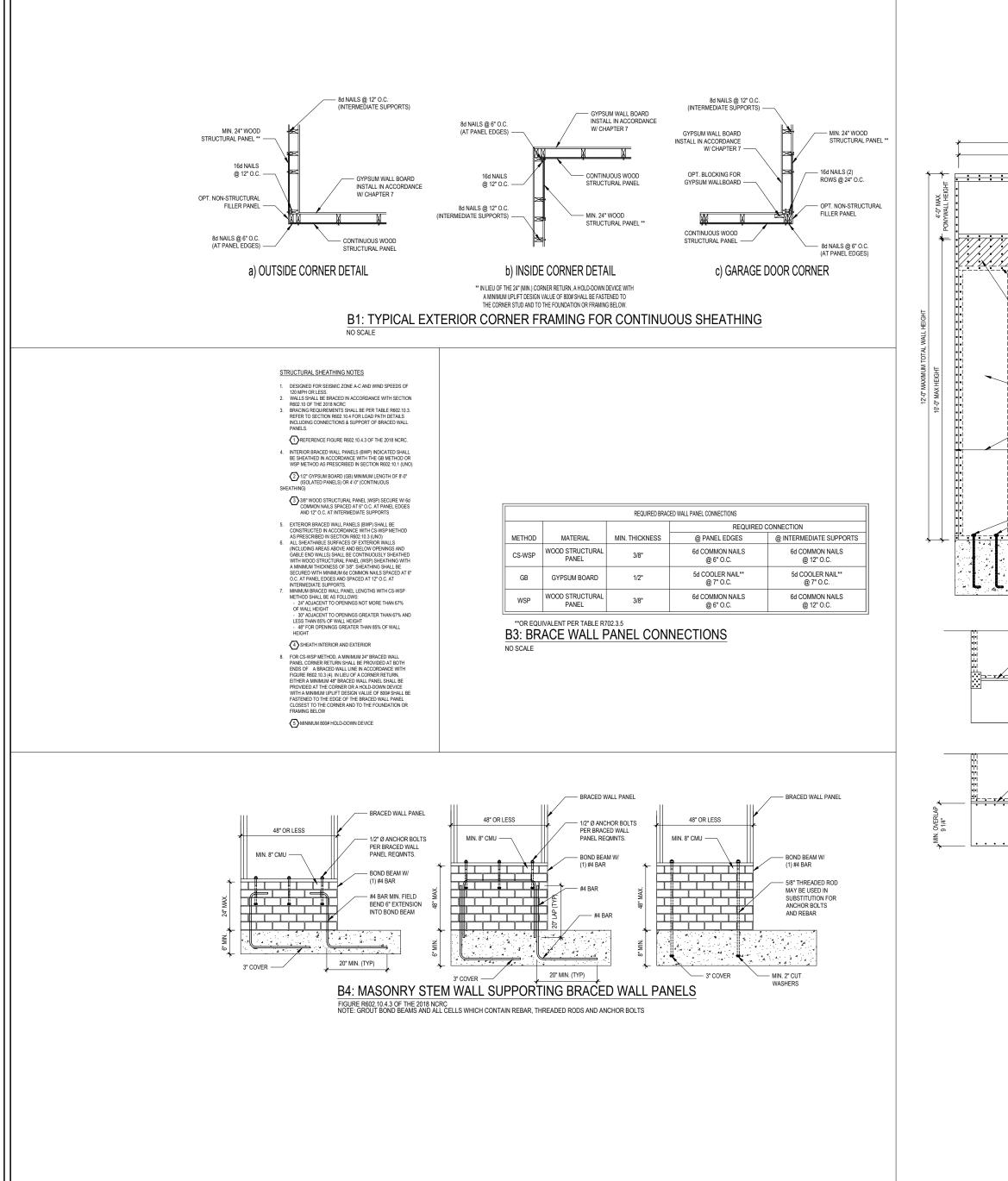






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