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GENERAL FOUNDATION NOTES:

1. THIS PLAN DESIGNED IN ACCORDANCE WITH THE NORTH CAROLINA RESIDENTIAL BUILDING CODE, 2018 EDITION.
2. EXTERIOR WALL FOOTING TO BE A MINIMUM OF 16" WIDE AND CONSTRUCTED WITH 3000 PSI CONCRETE. FOR FOUNDATION WALL HEIGHT, THICKNESS AND BACKFILL REQUIREMENTS REFER TO STATE AND LOCAL BUILDING CODES. THE ASSUMED SOIL BEARING CAPACITY FOR THIS PROJECT IS 2000 PSF. THE CONTRACTOR MUST VERIFY THE SITE CONDITIONS AND CONTACT A SOILS ENGINEER IF MARGINAL OR UNSTABLE SOILS ARE ENCOUNTERED.
3. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SUB-GRADE A MINIMUM OF 12" BELOW ADJACENT FINISHED GRADE OR AS OTHERWISE DIRECTED BY THE LOCAL INSPECTOR.
4. FOUNDATION DRAINAGE SHALL BE IN ACCORDANCE WITH SECTION R405 "FOUNDATION DRAINAGE" AND SECTION R406 "FOUNDATION WATERPROOFING AND DAMPPROOFING".
5. ANCHOR BOLTS SHALL BE 1/2" DIAMETER AND INSTALLED AT 72" ON CENTER AND 12" FROM EACH CORNER OR SILL PLATE SPICE LOCATIONS.

GENERAL NOTES.

1. THIS PLAN IS DESIGNED IN ACCORDANCE WITH THE NORTH CAROLINA RESIDENTIAL BUILDING CODE, 2018 EDITION.
2. WALL CLADDING IS DESIGNED FOR A POSITIVE/NEGATIVE PRESSURE OF NOT LESS THAN 241 PSF.
3. ROOF CLADDING DESIGN VALUES (POSITIVE/NEGATIVE) SHALL BE AS FOLLOWS:
   - 45.5 PSF FOR ROOF PITCHES FROM Ø/12 TO 225/12
   - 34.5 PSF FOR ROOF PITCHES FROM 225/12 TO 7/12
   - 21Ø PSF FOR ROOF PITCHES FROM 7/12 TO 12/12
   - MEAN ROOF HEIGHT FOR THIS STRUCTURE IS 18'
4. ALL WALLS, CEILINGS, AND FLOORS SHALL BE INSULATED IN ACCORDANCE WITH PART IV, ENERGY CONSERVATION, CHAPTER 11, ENERGY EFFICIENCY OF THE CODE FOR ZONE 4I (TABLE N1Ø12.1)
5. DESIGN CRITERIA IS AS FOLLOWS:

	DEAD LOAD (PSF)	LIVE LOAD (PSF)
PRIMARY FLOOR	1Ø	4Ø
SECONDARY FLOOR	1Ø	4Ø
SLEEPING AREAS	1Ø	4Ø
ATTIC (W/ STAIRS)	1Ø	3Ø
ATTIC (W/O STAIRS)	1Ø	2Ø
ROOF	1Ø	2Ø

WIND LOADING IS BASED ON 3 SECOND GUST OF 12Ø MILES PER HOUR
LIVE LOAD DEFLECTION LIMITS (LIVE LOAD) ARE L/36Ø FOR FLOORS, L/24Ø FOR ROOF
6. ALL HEADERS IN LOAD BEARING WALL SHALL BE 2-2"x 1Ø" UNLESS NOTED OTHERWISE. FULL HEIGHT KING STUDS SHALL BE INSTALLED ON EACH SIDE OF EXTERIOR WALL HEADERS AND BEAMS AS FOLLOWS:

HEADER SPAN	STUDS @ 16" O.C.	STUDS @ 24" O.C.
3'-Ø"	1	1
4'-Ø"	2	1
8'-Ø"	3	2
12'-Ø"	5	3
16'-Ø"	6	4

7. ALL LUMBER USED FOR JOISTS AND RAFTERS SHALL BE #2 SPF OR BETTER. LUMBER USED FOR STUD WALL SHALL BE #3 SPF OR BETTER.
8. LVL SHALL BE LAMINATED VENEER LUMBER OR PARALLEL STRAND LUMBER WITH THE FOLLOWING MINIMUM PROPERTIES: Fb=28ØØ PSI, Fv=285 PSI, E=2,ØØØ,ØØØ PSI. MULTIPLE LVL PLIES CAN BE USED TO ACHIEVE THE SPECIFIED SIZE SHOWN ON THESE PLANS AND IS CONSIDERED TO BE STRUCTURALLY EQUIVALENT.
9. THE FOLLOWING SHALL APPLY TO ALL BRACED WALL LINES:
ALL EXTERIOR WALLS SHALL BE CONTINUOUSLY SHEATHED WITH 1/2" OSB OR CDX. WSP SHALL BE IN ACCORDANCE WITH R-6ØZ1Ø.3 AND SHALL BE COVERED WITH 1/2" GYPSUM BOARD ON THE INTERIOR FACE. ALL WSP PANELS SHALL BE FASTENED WITH 8d NAILS AT 12" ON CENTER (FIELD) AND 6" ON CENTER (EDGES). ALL EXTERIOR WALLS SHALL BE 2"x 4" AT 16" ON CENTER AS A MINIMUM (EXCEPT FOR BALLOON FRAMED WALL SECTIONS AS NOTED) AND CONTINUOUSLY SHEATHED.

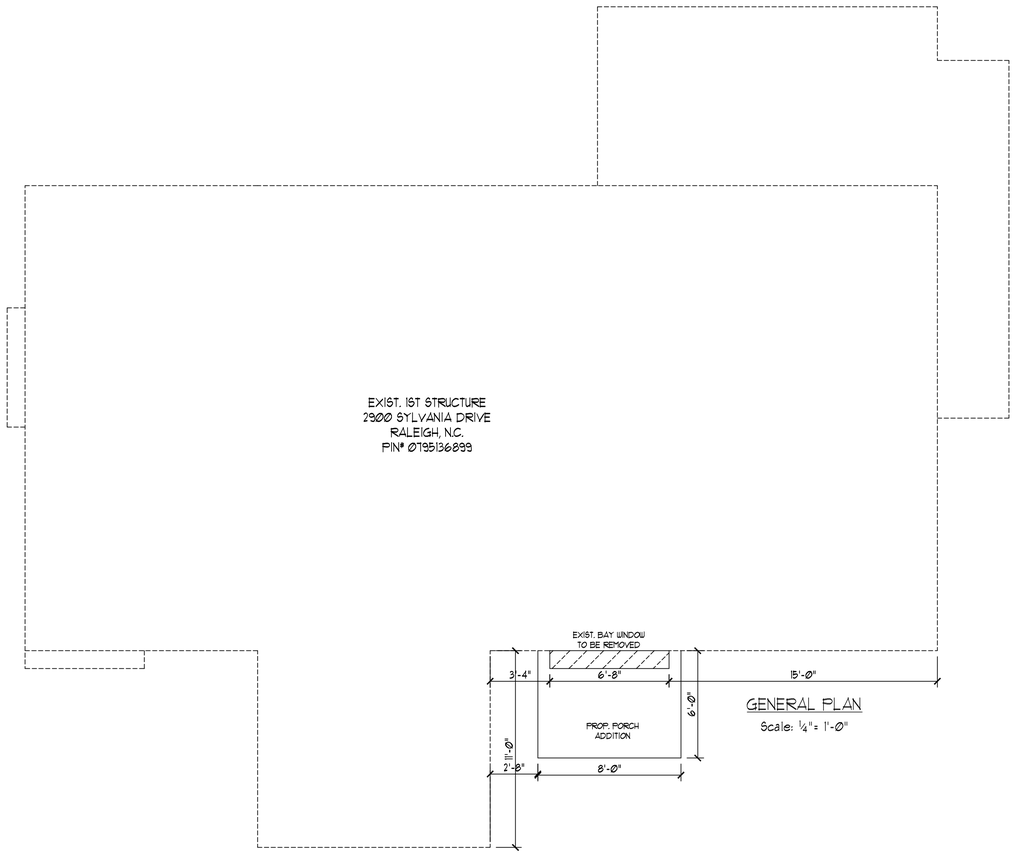
STRUCTURAL EVALUATION BY:

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Post Office Box 37446
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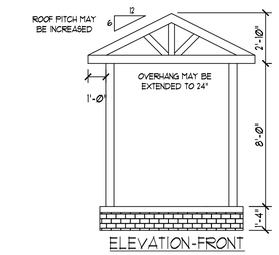
Ronald B. Wilkins
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
6/6/2026

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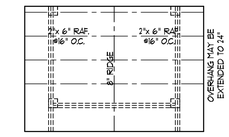
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•DO NOT SCALE THESE DRAWINGS. ENGINEERING APPROVAL EXPIRES IN ONE YEAR FROM DATE OF SIGNATURE.



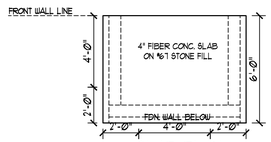
GENERAL PLAN
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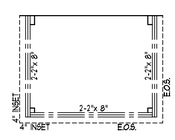
ELEVATION-FRONT
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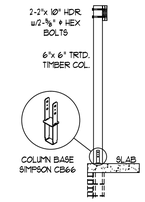
ROOF FRAMING PLAN
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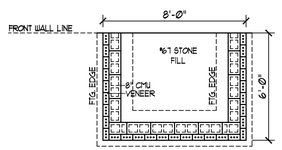
SLAB PLAN
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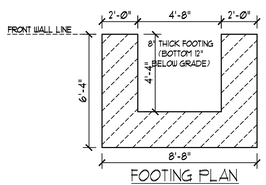
CEILING PLAN
Scale: ¼"= 1'-Ø"



FTG./COL. DETAIL
Scale: ¼"= 1'-Ø"



FOUNDATION WALL
Scale: ¼"= 1'-Ø"



FOOTING PLAN
Scale: ¼"= 1'-Ø"

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Editor Delivery Events	Status	Timestamp

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Carbon Copy Events	Status	Timestamp

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
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Signing Complete	Security Checked	6/6/2026 1:05:56 PM
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