REVISION:

STRUCTURAL EVALUATION NOTES

STRUCTURAL EVALUATION BY: LISCENSE # P-1716

HOWERTON SERVICES, PLLC CATHEDRAL BELL ROAD, RALEIGH, NC 27614

- * ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS ON THIS DOCUMENT. SEAL DOES NOT INCLUDE CONSTRUCTION REVIEW, MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS.
- * ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE BROUGHT TO IMMEDIATE ATTENTION OF THE ENGINEER. FAILURE TO DO SO WILL VOID ENCINEER'S LIABILITY

FEBRUARY 15, 2026 OR UNTIL NEW CODE CYCLE OCCURS.

ENGINEER'S LIABILITY.

* DO NOT SCALE THESE DRAWINGS — ENGINEERING APPROVAL EXPIRES

STRUCTURAL GENERAL APPLICATION NOTES

STRUCTURAL GENERAL NOTES APPLY TO ALL STRUCTURAL PLANS

GENERAL FOUNDATION NOTES:

- 1. THIS PLAN DESIGNED IN ACCORDANCE WITH NC RESIDENTIAL CODE, 2018 EDITION.
- 2. SLAB EDGE TO BEAR ON UNDISTURBED EARTH A MIN. OF 12" BELOW ADJACENT FINISH GRADE OR AS OTHERWISE DIRECTED BY LOCAL INSPECTOR
- 3. FOUNDATION DRAINAGE SHALL BE IN ACCORDANCE WITH SECTION R405 OF THE CODE "FOUNDATION DRAINAGE".
- 4. THE FOUNDATION SHALL BE TREATED IN ACCORDANCE W/SECTION R406 OF THE CODE "FOUNDATION WATERPROOFING AND DAMPROOFING".
- 5. THIS FOUNDATION DESIGN IS VALID FOR 120 MPH WIND ZONES.

GENERAL FRAMING NOTES:

- 1. THIS PLAN DESIGNED IN ACCORDANCE WITH NC RESIDENTIAL CODE, 2018 EDITION.
- 2. GLAZING AREAS SHOWN ON THESE DESIGN DRAWINGS DO NOT EXCEED 15%P OF THE GROSS AREA OF THE EXTERIOR WALLS. THIS STRUCTURE MEETS THE REQUIREMENTS OF N1101.2.1, RESIDENTIAL BUILDING, TYPE A-1.
- 3. WALL CLADDING IS DESIGNED FOR A 24.1 #/SF OR GREATER POSITIVE/NEGATIVE PRESSURE.
- 4. ALL WALLS, FLOORS AND CEILINGS SHALL BE INSULATED IN ACCORDANCE WITH CODE SUMMARY.
- 5. DESIGN CRITERIA: 40 PSF PRIMARY FLOOR 10 PSF 10 PSF 40 PSF SECONDARY FLOOR SLEEPING AREAS 10 PSF 30 PSF ATTIC 10 PSF 20 PSF R00F 10 PSF 20 PSF DEFLECTION LIMITS: FL00R L/360(LIVE LOAD ONLY) R00F L/240
- 6. ALL HEADERS IN LOAD BEARING WALLS SHALL BE DOUBLE 2X10.

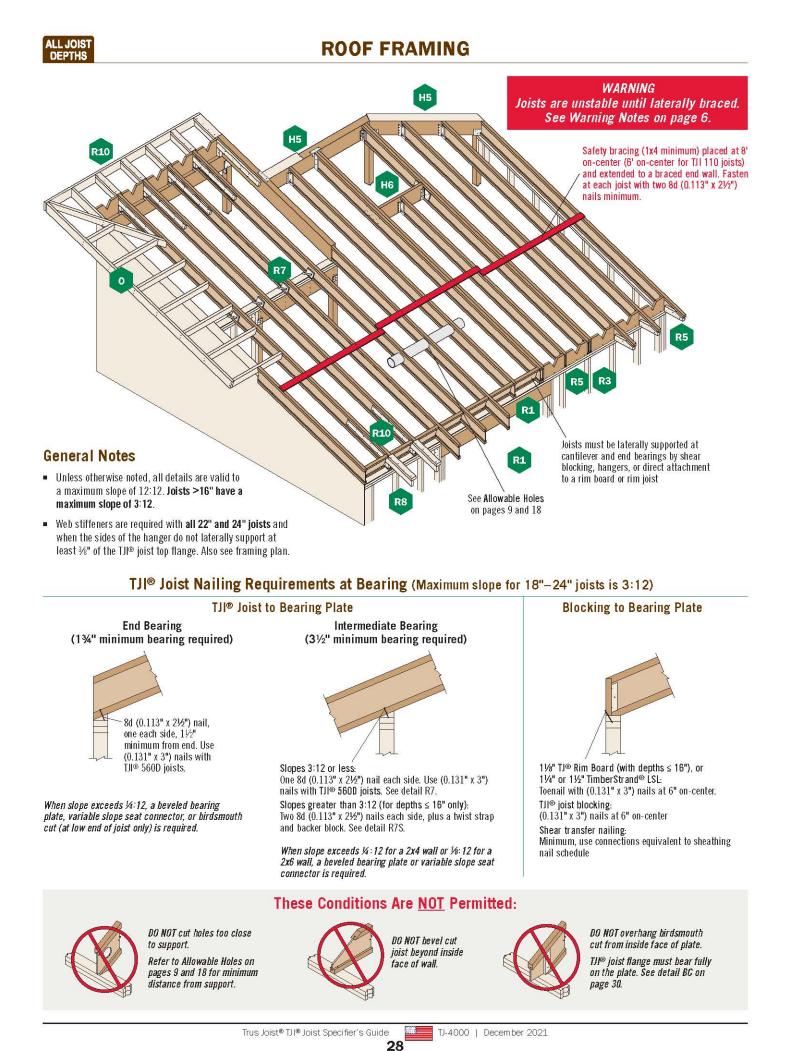
GENERAL ROOF NOTES:

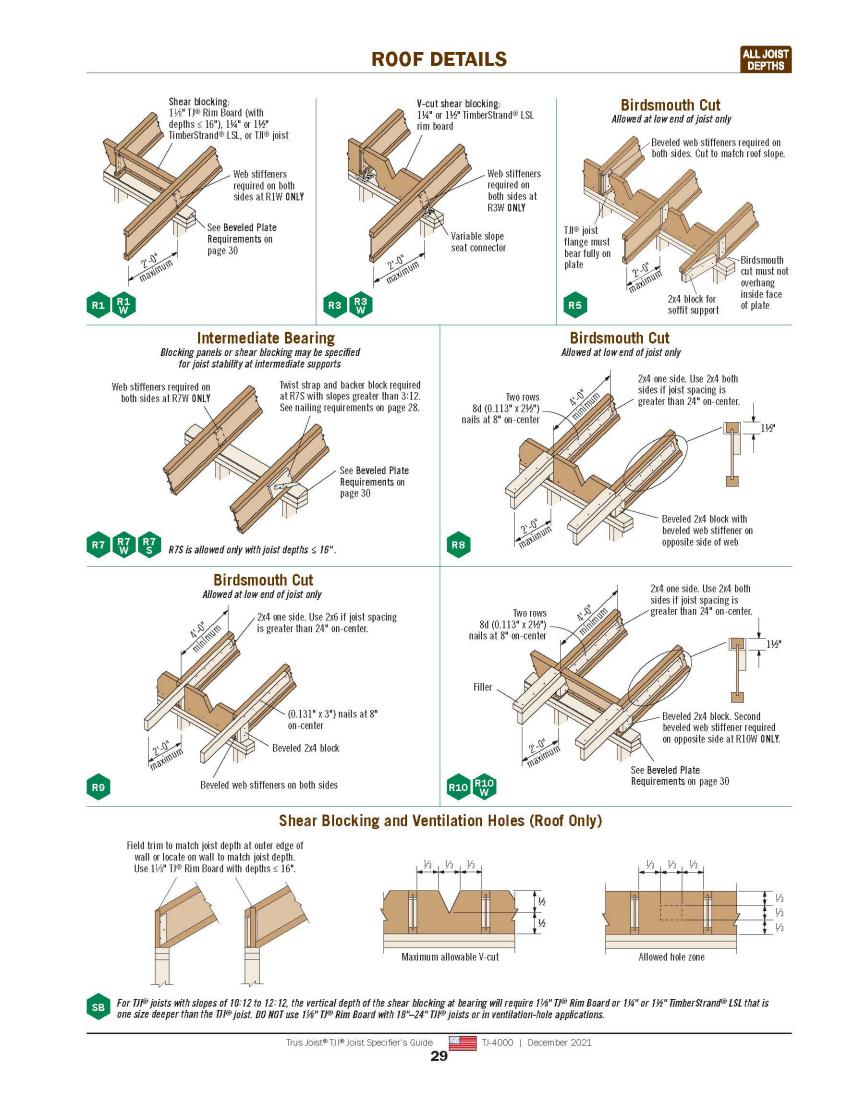
- 1. THIS PLAN DESIGNED IN ACCORDANCE WITH NC RESIDENTIAL CODE, 2018 EDITION.
- 2. ROOF CLADDING DESIGN VALUES (POSITIVE/NEGATIVE) SHALL BE AS FOLLOWS: 45.5 #/SF FOR ROOF PITCHES FROM 0/12 TO 2.25/12
 34.5 #/SF FOR ROOF PITCHES FROM 2.25/12 TO 7/12
 21 #/SF FOR ROOF PITCHES FROM 7/12 TO 12/12
- 3. ALL 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:

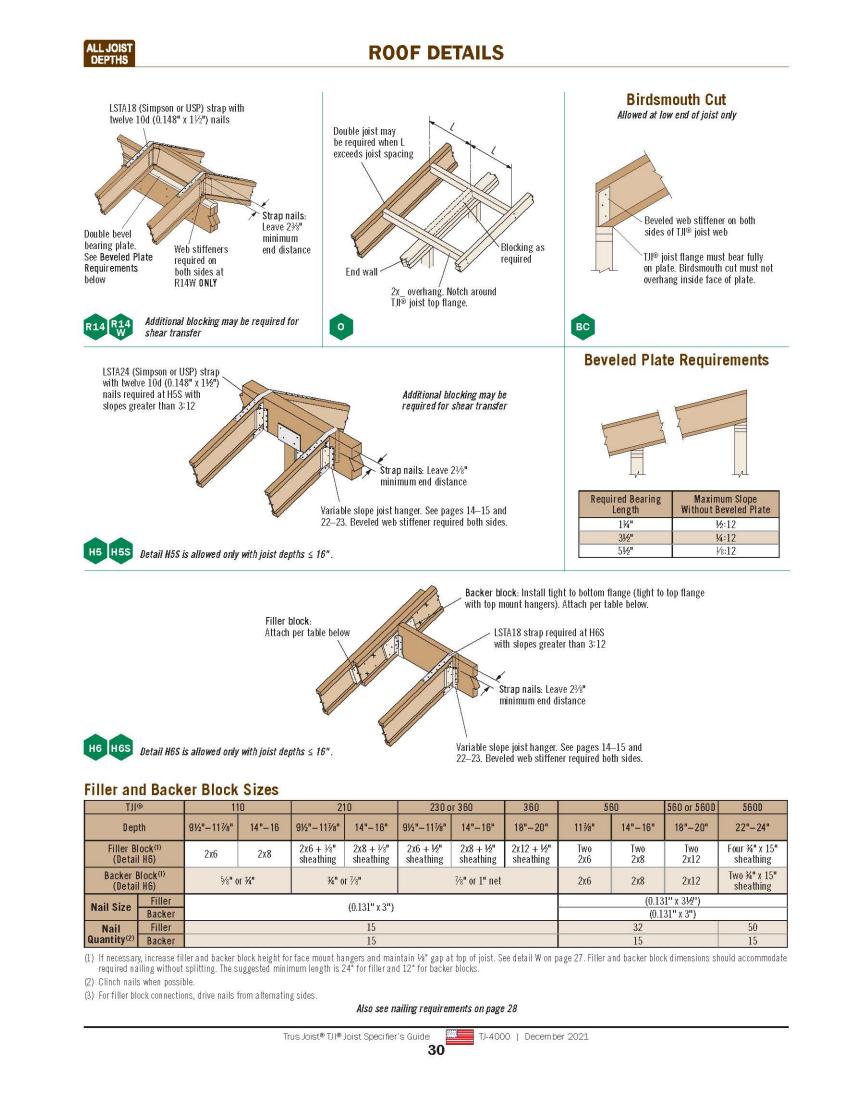
 SIZE 2X6 2X8 2X10

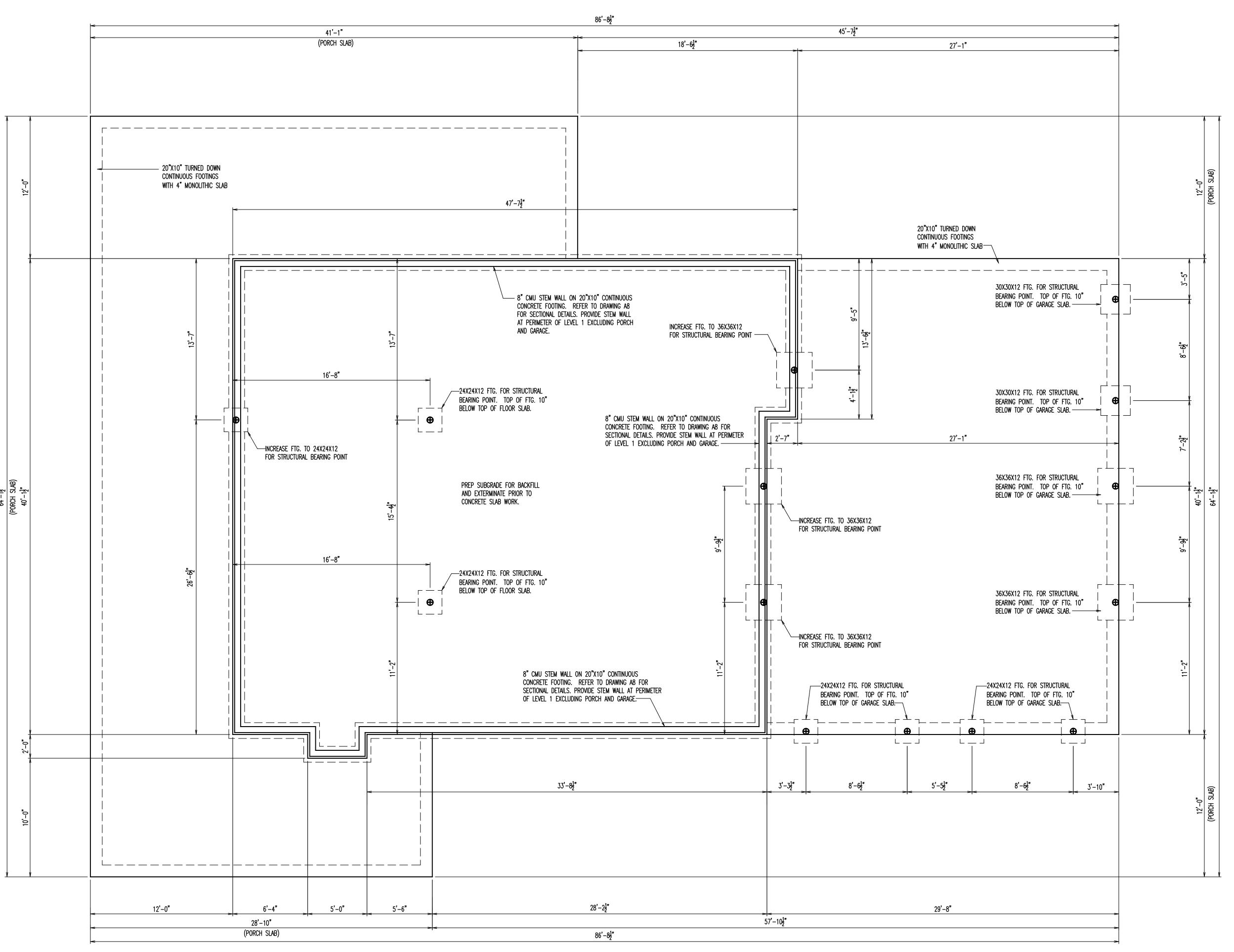
 SPACING 12" O.C. 14'-9" 19'-6"

 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. ATTACH VAULTED RAFTERS WITH HURRICANE CLIP SIMPSON "H-5" OR EQUIVALENT. PROVIDE DOUBLE OPPOSING RAFTERS WHERE NOTED.
- 8. THESE DESIGN DRAWINGS WERE PRODUCED BY HOWERTON SERVICES PLLC, ASSUMES NO LIABILITY FOR THE CORRECTNESS OF ARCHITECTURAL FEATURES, DIMENSIONS OR FIXTURES.
- 9. CONTRACTOR IS RESPONSIBLE FOR REVIEWING DRAWINGS FOR CONSTRUCTABILITY PRIOR TO BEGINNING CONSTRUCTION.
- 10. DO NOT SCALE THESE DRAWINGS. IF DESCREPANCIES ARE NOTED, CONTACT THE ENGINEER.
- 11. DESIGN BASIS PROVIDED BY S&S CONTRACTING, AND THEY ARE RESPONSIBLE FOR ALL ARCHITECTURAL FEATURES, DIMENSIONS, COMPLIANCE WITH ALL ACCESS/EGRESS REQUIREMENTS, FIRE CODE AND LIFE SAFETY DESIGN ISSUES.









S2 FOOTING PLAN
O1 SCALE: 1/4"=1'-0"

SEAL 022966

STRUCTURAL EVALUATION BY:
HOWERTON SERVICES, PLLC
LISCENCE # P-1716
CATHEDRAL RELL ROAD RALEIGH N.C. 27614

BUILDING DESIGN BY:

S&S CONTRACTING

49 RIVER ROAD, FUQUAY, NC 27526

ROBERT AND JILL GRIFFIS CUSTOM PLAN - HARNETT COUNTY RESIDENCE

DESCRIPTION:
FOOTING PLAN
REVISION:

DATE: FEB/06/2025

S2

STRUCTURAL EVALUATION BY:

HOWERTON SERVICES, PLLC

LISCENCE # P-1716

3513 CATHEDRAL BELL ROAD, RALEICH N.C. 27614

BUILDING DESIGN BY: S&S CONTRACTING 549 RIVER ROAD, FUQUAY, NC 27526

ROBERT AND JILL GRIFFIS
CUSTOM PLAN - HARNETT COUNTY RESIDENCE
MATTHEWS ROAD AND CHESLEY DRIVE, HARNETT COUNTY N.C.

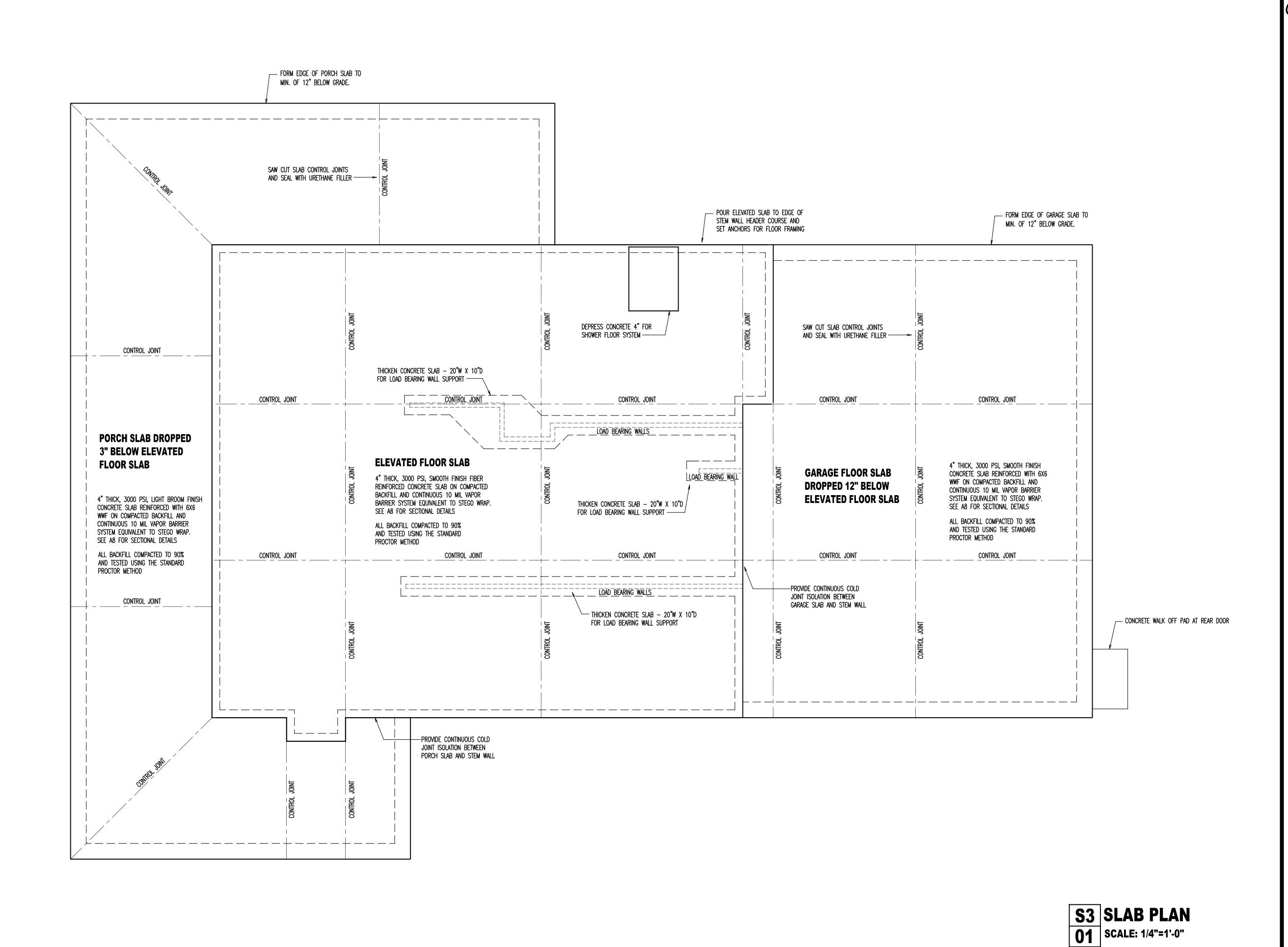
DESCRIPTION: SLAB PLAN

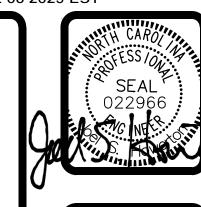
ATC.

FEB/06/2025

REVISION:

S3





HOWERTON SERVICES, PLLC
LISCENCE # P-1716
3513 CATHEDRAL BELL ROAD, RALEIGH N.C. 27614

BUILDING DESIGN BY:

S&S CONTRACTING
6349 RIVER ROAD, FUQUAY, NC 27526

CUSTOM PLAN - HARNETT COUNTY RESIDENCE
MATTHEWS ROAD AND CHESLEY DRIVE, HARNETT COUNTY N.C.

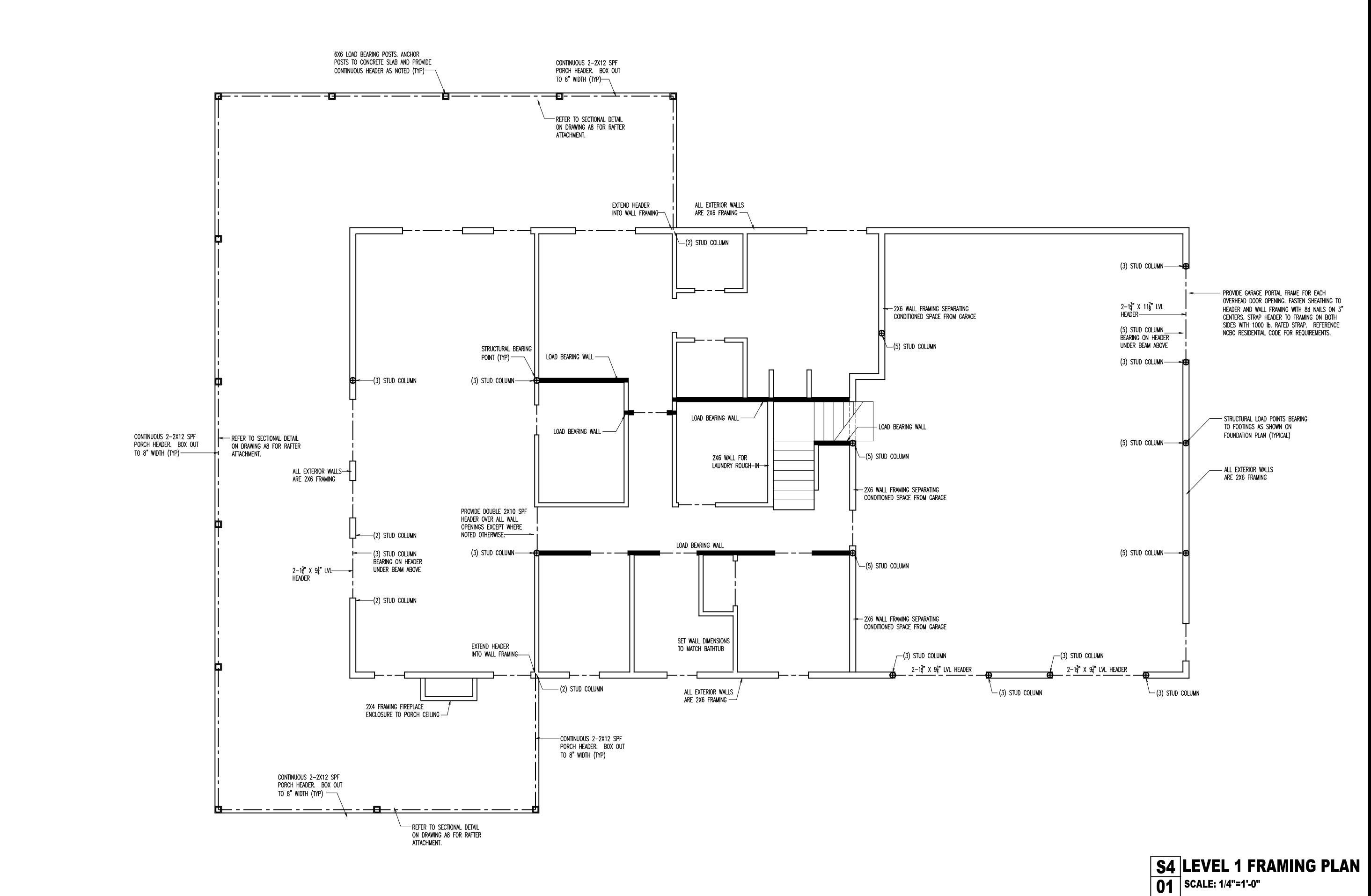
DESCRIPTION: LEVEL 1 FRAMING PLAN

NATF:

FEB/06/2025

REVISION:

S4



STRUCTURAL EVALUATION BY:

HOWERTON SERVICES, PLLC

LISCENCE # P-1716
3513 CATHEDRAL BELL ROAD, RALEIGH N.C. 27614

BUILDING DESIGN BY:

S&S CONTRACTING

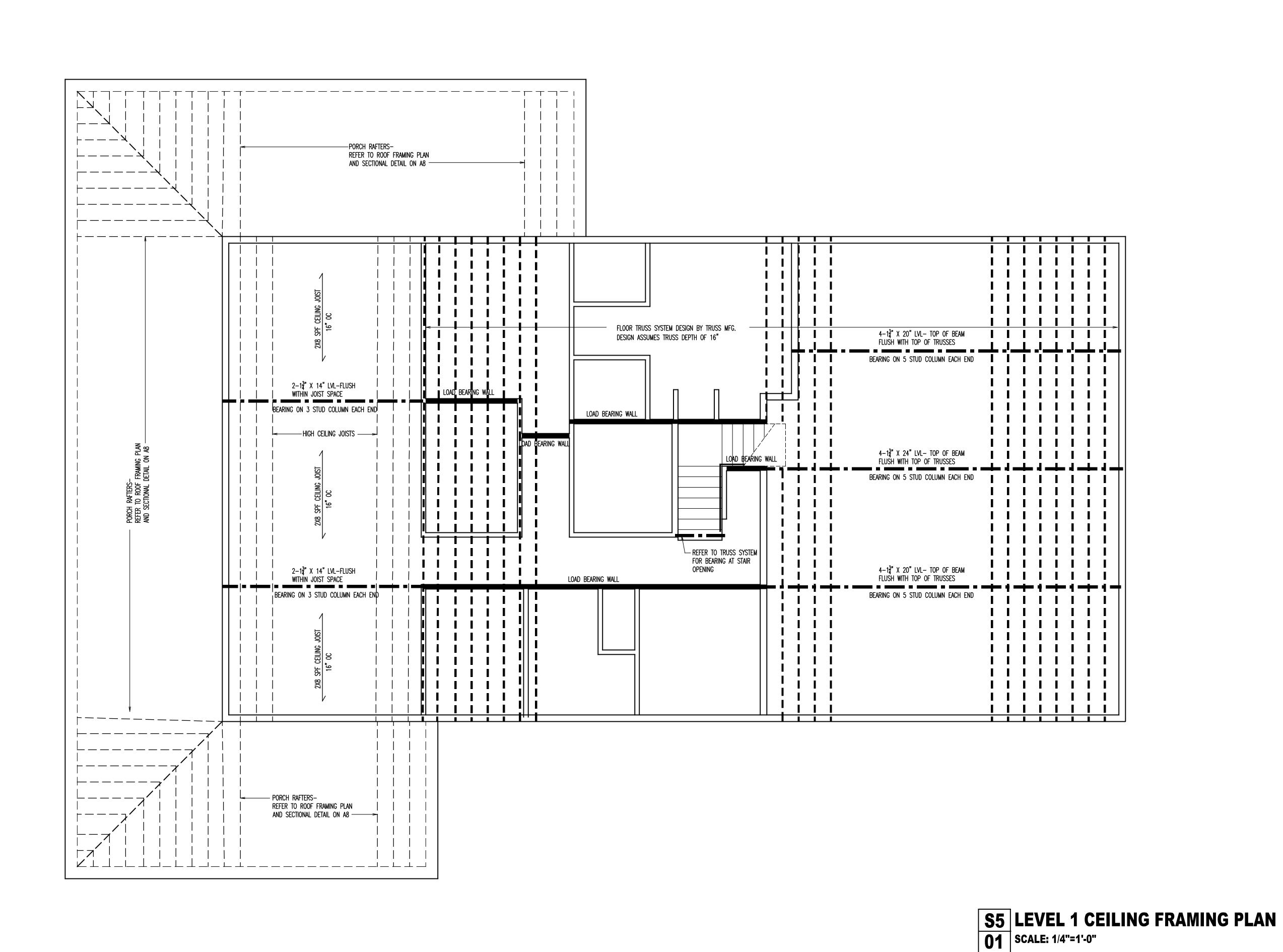
9 RIVER ROAD, FUQUAY, NC 27526

ROBERT AND JILL GRIFFIS CUSTOM PLAN - HARNETT COUNTY RESIDENCE

DESCRIPTION:
LEVEL 1 CEILING
FRAMING PLAN

DATE: FEB/06/2025

\$5



STRUCTURAL EVALUATION BY:
HOWERTON SERVICES, PLLC
LISCENCE # P-1716
3513 CATHEDRAL BELL ROAD, RALEIGH N.C. 27614

BUILDING DESIGN BY:

S&S CONTRACTING

149 RIVER ROAD, FUQUAY, NC 27526

ROBERT AND JILL GRIFFIS CUSTOM PLAN - HARNETT COUNTY RESIDENCE

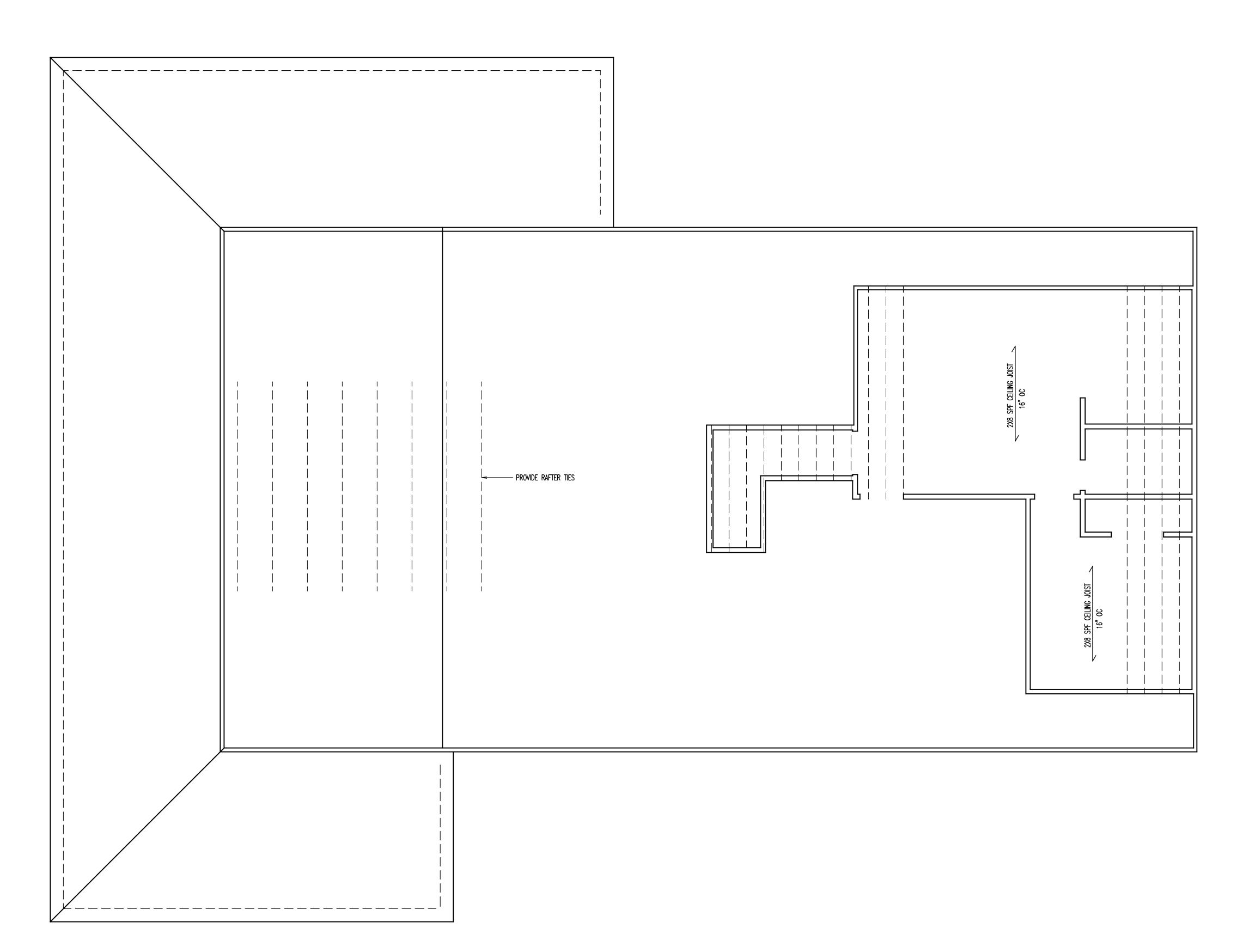
DESCRIPTION:
LEVEL 2 CEILING
FRAMING PLAN

NATF:

DRAWING:

S6

S6 LEVEL 2 CEILING FRAMING PLAN SCALE: 1/4"=1'-0"



STRUCTURAL EVALUATION BY:

HOWERTON SERVICES, PLLC

LISCENCE # P-1716

3513 CATHEDRAL BELL ROAD, RALEIGH N.C. 27614

BUILDING DESIGN BY:

S&S CONTRACTING

49 RIVER ROAD, FUQUAY, NC 27526

ROBERT AND JILL GRIFFIS CUSTOM PLAN - HARNETT COUNTY RESIDENCE

DESCRIPTION:
ROOF FRAMING
PLAN

PLAN
REVISION:

DATE: FEB/06/2025

DRAWING:

