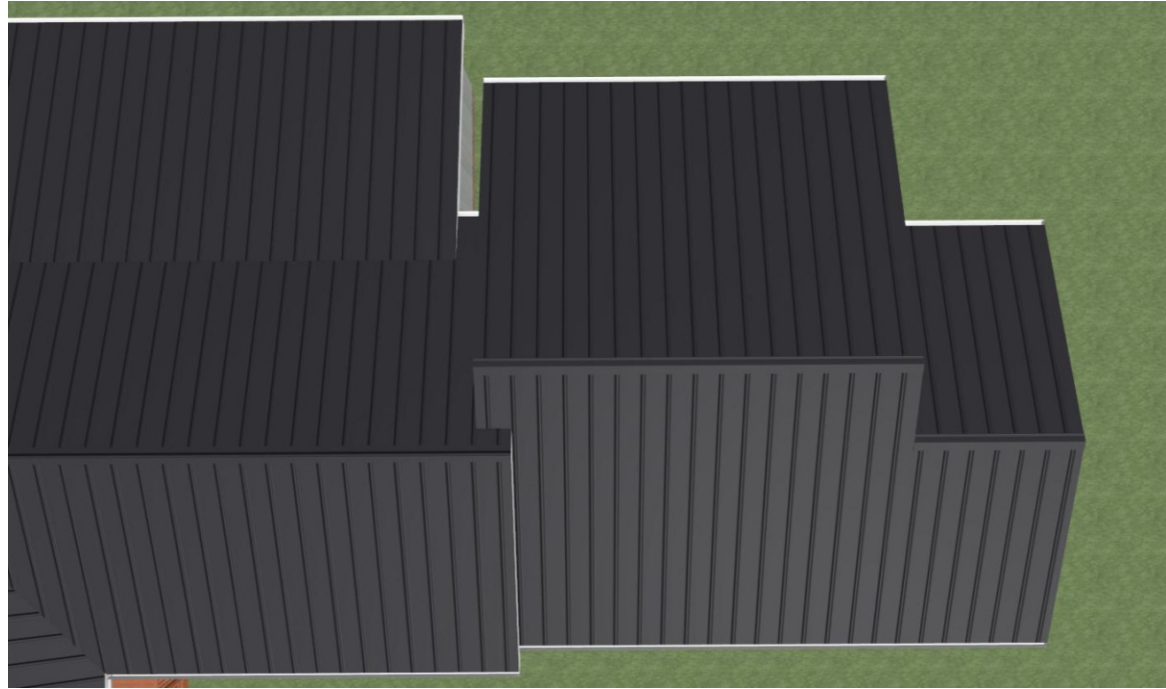


GENERAL NOTES

- IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THAT ALL DIMENSIONS, ROOF PITCHES, AND SQUARE FOOTAGE IS CORRECT PRIOR TO CONSTRUCTION. 1ST CHOICE DRAFTING LLC IS NOT RESPONSIBLE FOR ANY DIMENSIONING, ROOF PITCH, OR SQUARE FOOTAGE ERRORS ONCE CONSTRUCTION BEGINS.
- ALL WALLS SHOWN ON THE FLOOR PLANS ARE DRAWN AT 4" UNLESS NOTED OTHERWISE.
- ALL ANGLED WALL SHOWN ON THE PLANS ARE 45 DEGREES UNLESS NOTED OTHERWISE.
- STUD WALL DESIGN SHALL CONFORM TO ALL NORTH CAROLINA STATE BUILDING CODE REQUIREMENTS.
- DO NOT SCALE PLANS. DRAWING SCALE MAY BE DISTORTED DUE TO COPIER IMPERFECTIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NORTH CAROLINA STATE BUILDING CODE, 2018 EDITION.

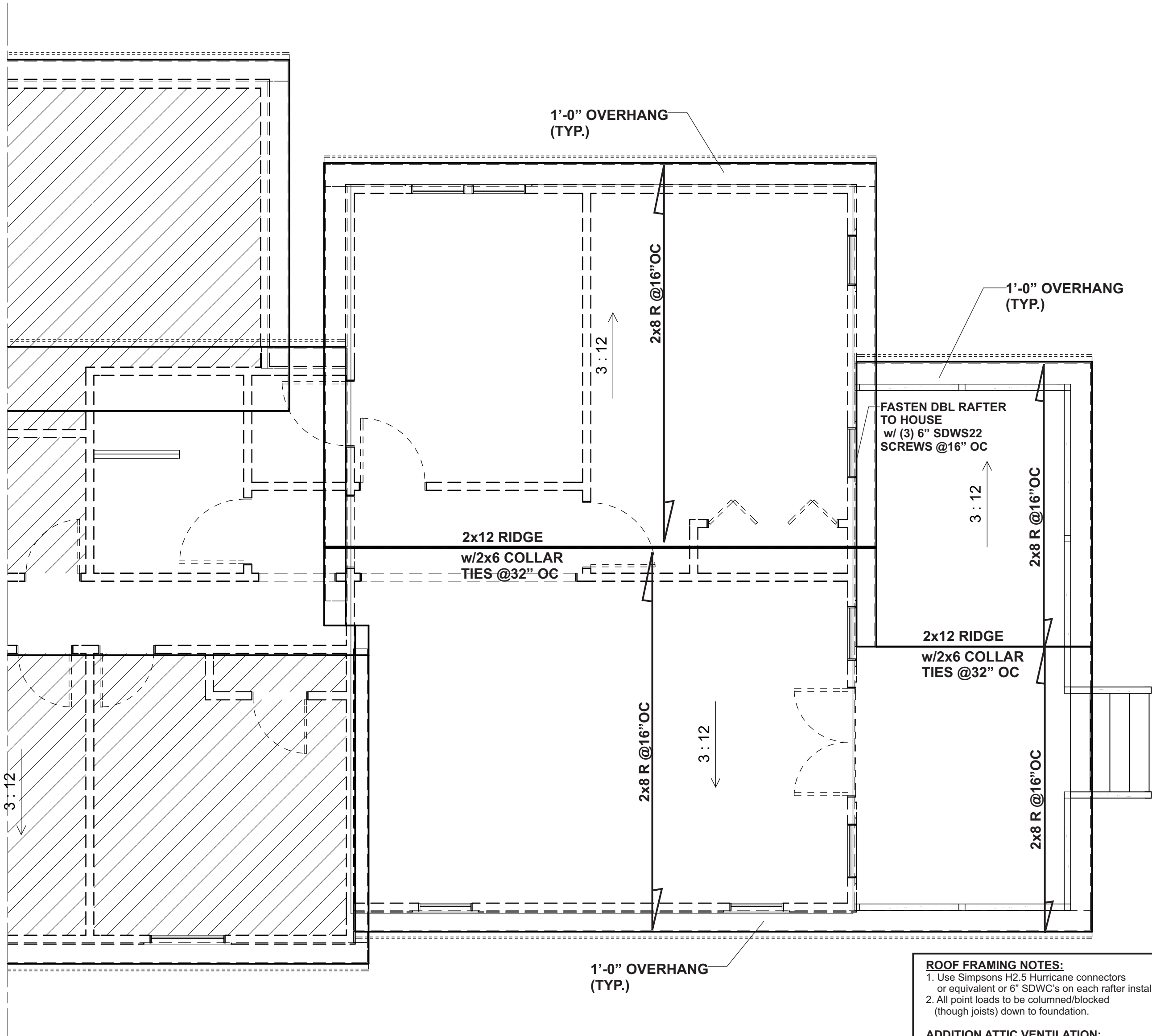


STRUCTURAL NOTES:

- Framing lumber shall be SYP or #2 SPF (modulus of elasticity 1,100,000 psi, fb 950). All beams & treated lumber to be #2 SYP, E=1,600,000, fb=1100 min. Studs min.#2 or stud grade.
- Use hangers for all beam to beam connections. Structural fastening as per R602.3(1). Adequate connections is the sole responsibility of the general contractor and his subs.
- Structural members fastening to conform to Table R602.3(1) and (2).
- Roof Framing Notes:
 - Dbl Hips may be spliced with a min. 6'-0" overlap at center. No valley splices
 - Use 2x10 or fir down rafters for vaulted areas
 - Attach each vaulted rafters with hurricane connectors: Simpson H-2.5, H-5 or approved equal or 6" SDWC's.
- All construction shall conform to the latest requirements of the NC State Residential Building Code - 2018 Edition, plus all local codes & regulations or 2015 IBC.
- Structural Engineer is not responsible for and will not control of construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the construction work.
- Structural Engineer is not responsible for the contractor's failure to carry out the proposed construction work in accordance with the contract document.
- Use Method #3 for Structural Sheathing; "Accepted Engineer's Practice"

FRAMING NOTES:

- | 1. Design Loads (R301.5) | Live Loads (PSF) | Dead (PSF) |
|----------------------------|------------------|------------|
| Rooms not for Sleeping | 40 | 10 |
| Sleeping Rooms | 30 | 10 |
| Attic w/Permanent Stairs | 40 | 10 |
| Attic w/o Permanent Stairs | 20 | 10 |
| Attic w/o Storage | 10 | 10 |
| Stairs | 40 | — |
| Exterior Balconies | 60 | 10 |
| Decks | 40 | 10 |
| Guardrails & Handrails | 200 | — |
| Passenger Vehicle Garages | 50 | 10 |
| Fire Escapes | 40 | 10 |
| Snow | 20 | — |
- Wind Load: (Refer to Table R301.2.4)
Verify Zone before Construction
Wake County 115 mph
- Wall Bracing: Braced wall panels shall be constructed according to section R602.103. The wall structural paneling shall comply with Table R602.103. The length of braced panels shall be determined by section R602.10.4. Lateral bracing shall be satisfied per method 3 by continuously sheathing walls with structural sheathing per Table 601.3. Note that any specific braced wall detail shall be installed as specified.
 - All framing lumber shall be SPF#2 (Fb=875 psi) unless otherwise noted (UNO). All treated lumber shall be SYP#2 (Fb=975 psi). Plate material may be SPF#3 or SYP#3 (Fc (perp.) = 425 psi min.)
 - All exterior headers to be (2)2x10 spf. u.n.o w/ dbl. Jacks for all openings >5'-0".
 - All interior bearing headers to be (2)2x10 u.n.o. w/ dbl. Jacks for all openings >4'-6", use (2)2x8 w/ dbl. Jacks for all openings >3'-0" u.n.o.
 - All interior non-bearing headers to be min. (2)2x4 flat u.n.o.
 - Fireblock to conform with R602.8



ROOF FRAMING NOTES:

- Use Simpsons H2.5 Hurricane connectors or equivalent or 6" SDWC's on each rafter installed.
- All point loads to be columned/blocked (though joists) down to foundation.

ADDITION ATTIC VENTILATION:

792 SQ. FT. OF CEILING/150 = 5.3 SQ FT REQUIRED
SAY 5 SF

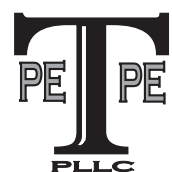
NOTE:

BUILDER TO CALCULATE QUANTITIES OF TYPES OF VENTS TO MAKE UP MIN. REQUIREMENT. ATTIC VENTILATION MAY BE REDUCED 50% WHEN VENTILATORS ARE USED AT LEAST 3'-0" ABOVE THE CORNICE VENTS. REFER TO SECTION R-806 IN THE N.C. BUILDING CODE VOL. VII.



Engineered by:
Patrick E. Teague, PE
Date: 6/30/25
North Carolina License # 20239

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DRAWINGS PROVIDED FOR:

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(919) 931-5700



ROOF LAYOUT

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LILLINGTON, NC 27546

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(919) 395-6429



DATE:

6/24/2025

SCALE:

1/4" = 1'-0"

SHEET:

S - 3
PO#26295SB