

THIS PLAN DESIGNED UNDER NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION

HOUSE DESIGNED FOR 115 MPH , EXPOSURE B
ANCHOR BOLTS SHALL BE MINIMUM 1/2" DIAMETER & SHALL EXTEND A MINIMUM OF 7" INTO MASONRY OR CONCRETE. ANCHOR BOLTS TO BE NO MORE THAN 6'-0" ON CENTER & WITHIN 12" OF ALL PLATE SPLICES.

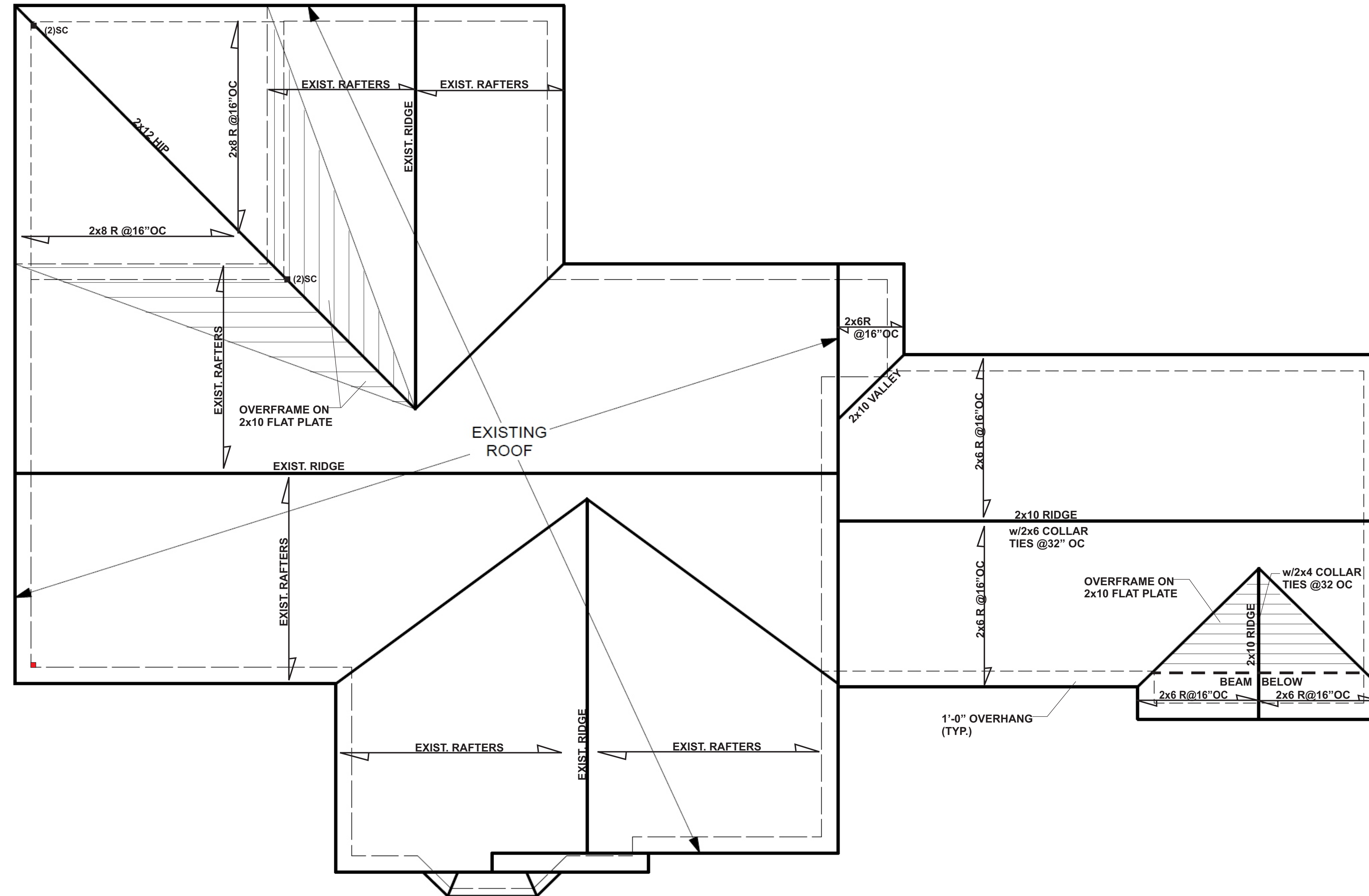
STRUCTURAL NOTES:

- Framing lumber shall be #2 SPF (modulus of elasticity 1,100,000 psi, fb 950). All beams & treated lumber to be #2 SYP (E=1,800,000 fb=1100 min. Stds 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:
 - Do 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 rafter 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:

- 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)
Ventry Zone before Construction
- Wall Bracing: Braced wall panels shall be in accordance with section R602.10.3 continuous sheathing. Bracing method CS-WSP shall be used in accordance with Table R602.10.1 The required length of bracing for each side of a rectangle circumscribed around the plan or a portion of the plan at each story level shall be in accordance with Table R602.10.3 & figure R602.103(1). Unless noted otherwise, the entire is assumed to circumscribed within a single rectangle.
- 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

SCALE: 1/4" = 1'-0"

ATTIC VENTILATION	
ADDITIONS:	
ADDITION #1:	650 SQ. FT. OF CRAWL SPACE/150 = 4.33 SQ FT SAY 4 SF
ADDITION #2:	410 SQ. FT. OF CRAWL SPACE/150 = 2.73 SQ FT SAY 3 SF
GENERAL NOTES:	BUILDER TO CALCULATE QUANTITIES OF TYPES OF VENTS TO MAKE UP THE MIN. REQUIREMENT. BUILDER TO LOCATE & SIZE VENTS PER CURRENT NC BUILDING CODE. TYPICAL CRAWL SPACE FOUNDATION WALL IS 8" THICK WITH 18"x8" CONTINUOUS CONCRETE FOOTING OR 12" THICK WITH BRICK VENEER & 20"x8" CONTINUOUS CONCRETE FOOTING BELOW IF APPLICABLE.

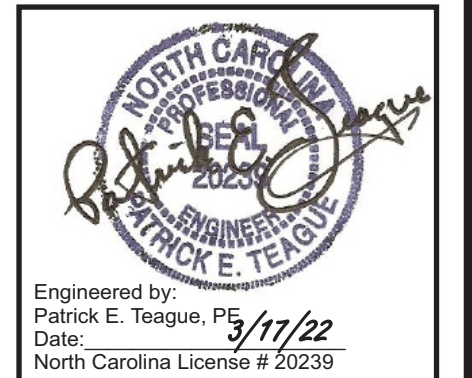
NOTE: DIMENSIONS TO BE CONFIRMED ON SITE BY BUILDER.



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BUILDER INFO:

ADDITION/RENOVATION
Baldemero Residence
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Fuquay Varina, NC



SHEET NUMBER

S3
PROJECT #PO23110JB