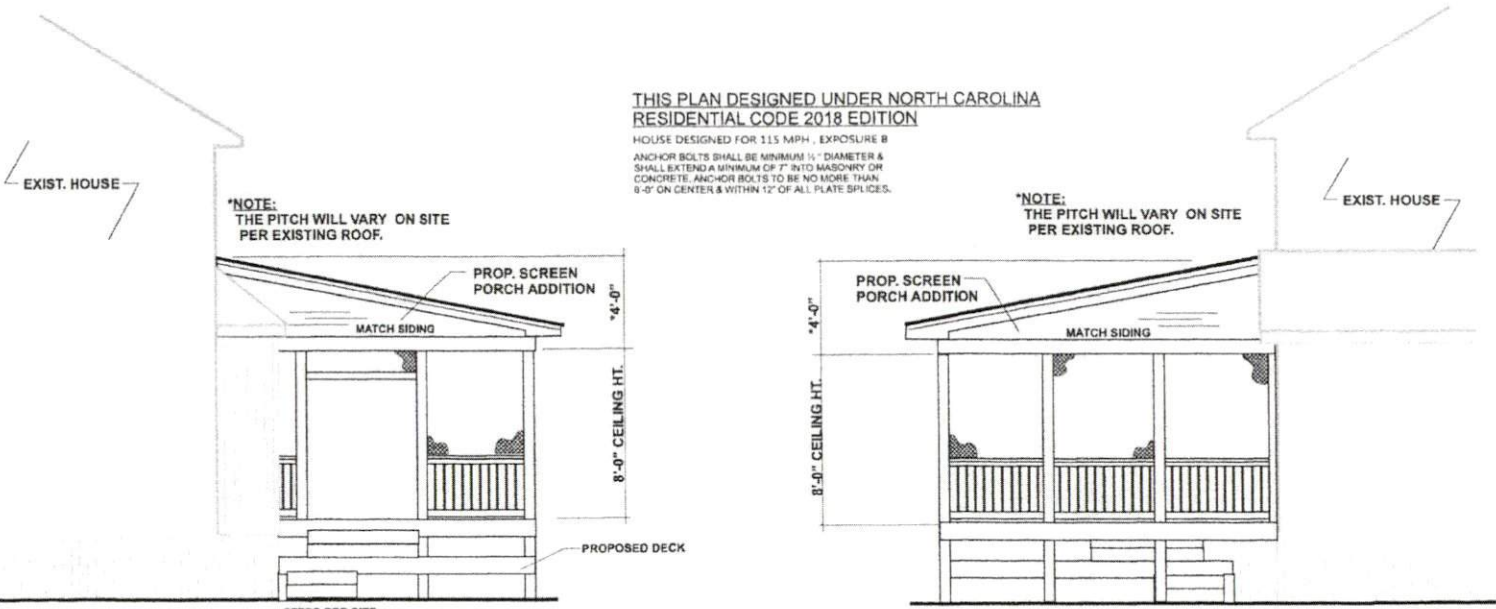


REAR ELEVATION

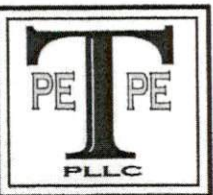


LEFT ELEVATION

RIGHT ELEVATION

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

NOTE: DIMENSIONS TO BE CONFIRMED ON SITE BY BUILDER.



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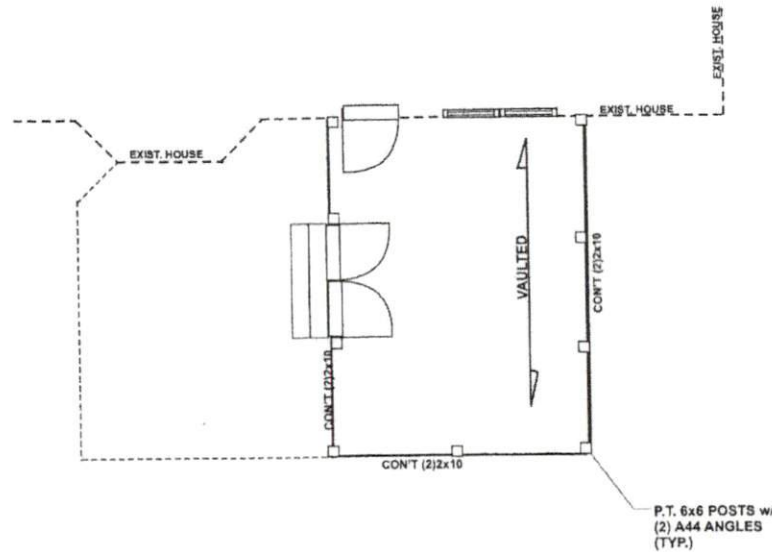
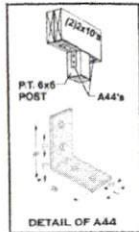
BUILDER INFO:

DECK & BACK SCREEN PORCH
 1117 Hopson Court
 Raleigh, NC

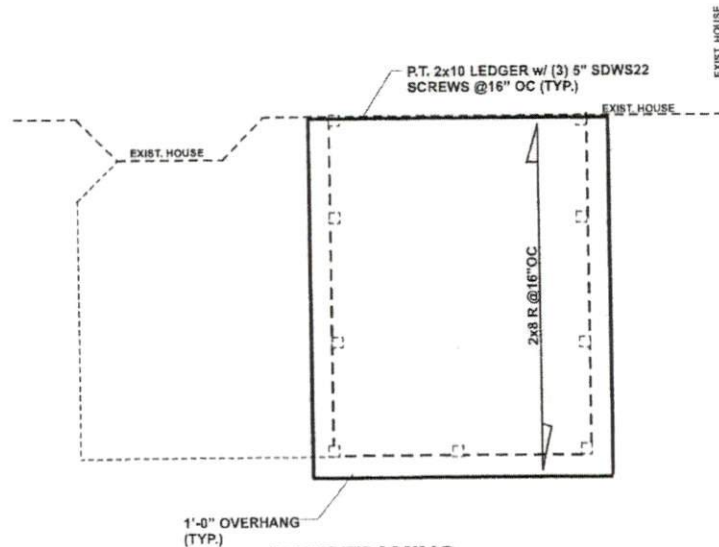
Engineered by:
 Patrick E. Teague, PE
 Date: _____
 North Carolina License # 27613

SHEET NUMBER

A1
 PROJECT #PO23253LR



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



1'-0" OVERHANG
(TYP.)
ROOF FRAMING
SCALE: 1/4" = 1'-0"

STRUCTURAL NOTES:

1. Framing Lumber shall be #2 SPF modulus of elasticity 1,100,000 psi. B (95). All beams & joists lumber to be #2 (2) C-1400,000. Min 1100 min. Studs min #2 or stud grade.
2. Use hangers for all beam to beam connections. Structural fastening per R602.3(1). Allowance connections in the sole responsibility of the general contractor and the sub.
3. Structural members fastening to conform to Table R602.3(1) and (2).
4. Roof Framing Notes:
 - a. Dill Nails may be replaced with a min. 6'-0" overlap at center. No valley spikes.
 - b. Use 2x10 or 2x12 rafters for vaulted areas.
 - c. Attach vaulted rafters with hurricane connectors. Simpson H-2.5, H-5 or approved equal.
5. All connections shall conform to the latest requirements of the NC State Residential Building Code - 2018 Edition, plus all local codes & regulations or 2015 IRC.
6. 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.
7. Structural Engineer is not responsible for the contractor's failure to carry out the proposed construction work in accordance with the contract documents.

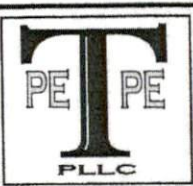
FRAMING NOTES:

Design Loads (R301.5)	Live Loads (PSF)	Dead Loads (PSF)
Roofs 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	-

1. Wind Load (Refer to Table R301.2.4) Verify Zone before Construction. Wake County 115 mph.
2. Wall Bracing: Braced wall panels shall be in accordance with section R602.10.3 continuous sheathing. Bracing method OS-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 R602.10.3(1). Unless noted otherwise, the entire is assumed to circumscribe within a single rectangle.
3. All framing lumber shall be SPF#2 (Fb=975 psi) unless otherwise noted (LNU). All treated lumber shall be SYP#2 (Fb=975 psi). Plate material may be SYP#3 or SYP#4 (Fc (perp.) = 425 psi min.).
4. All exterior headers to be (2)2x10 spf, u.n.o w/ dbl. Jacks for all openings >6'-0".
5. All interior bearing headers to be (2)2x10 u.n.o w/ dbl. jacks for all openings >4'-0", use (2)2x8 w/ dbl. Jacks for all openings >2'-0" u.n.o.
6. All interior non-bearing headers to be min. (2)2x4 full u.n.o.
7. Fireblock to conform with R602.8.

FOUNDATION NOTES:

1. Deck posts min. 4'-0" above grade are to be knee or diagonally braced per Appendix M fastening to frame will be by nailer with 2x4 galvanized from @ 24" o.c. and 12d not dipped gal. @ 42" o.c.
2. Corners shall be braced with one of the approved methods as outlined in R602.10.3.
3. Structural members fastening to conform to Table R602.3(1) and (2).
4. Girders and piers shall bear on center 1/3 of pier and footing, respectively.
5. 2018 NC State Residential Building Code apply to the construction of footings.
6. Typical lag footing to be 16" x 4" deep. (LNU)
7. Pressure treated wood shall be installed for exterior use.
8. Hanger for fireblock (Strap-on hangers) for beam to beam connections (LNU)
 - a. (2)2x10's LUB219-2
 - b. (2)2x10's LUB219-3
 - c. (2)2-16x16's HUB410
9. Concrete shall have min. 28 day strength of 3000 psi and max. Slab of 5 inches unless noted otherwise (LNU) Air entrained per Table 4022. All concrete shall be proportioned, mixed, handled, sampled, tested, and placed in accordance with ACI current standards. All samples for pumping shall be taken from the exit pipe.
10. Allowable soil bearing pressure assumed to be 2000 psi. The contractor must contact Geotechnical Engineer & the Structural Engineer if unsatisfactory subsurface conditions are encountered. The surface area adjacent to the foundation wall shall be provided adequate drainage, and shall be graded so as to drain surface water away from foundation walls.



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BUILDER INFO:

DECK & BACK SCREEN PORCH
32 Jacob Street
Holly Springs, NC



Engineered by
Patrick E. Teague, P.E.
Date
10/14/22
North Carolina License # 20239

SHEET NUMBER

S2
PROJECT #P023456JP

NOTE: DIMENSIONS TO BE CONFIRMED ON SITE BY BUILDER.