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NORTH CAROLINA PROFESSIONAL SEAL 038587 ENGINEER JOHN P. SEALY
5-9-23

PROJECT	23-097
CLIENT	Tony Warren
CONTACT	twwarren1947@gmail.com
DATE	May 9, 2023

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Seal is INVALID for any lot or address other than the location listed below:
4055 NC 55 W, Angier

THIS STRUCTURAL PLAN HAS BEEN DESIGNED TO MEET THE INTENT OF THE NC RESIDENTIAL CODE, 2018 EDITION

2018 NC RESIDENTIAL CODE DESIGN LOADS

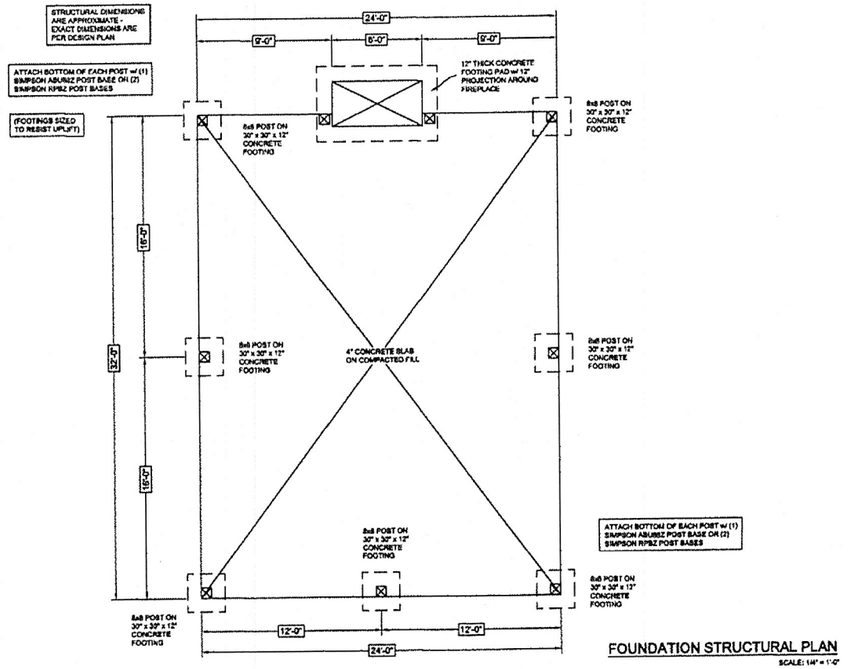
WIND SPEED	120 mph
WIND EXPOSURE	"B"
SEISMIC DESIGN CATEGORY	"B"
ROOF (TRUSSES)	20 / 20 psf

FOUNDATION STRUCTURAL NOTES

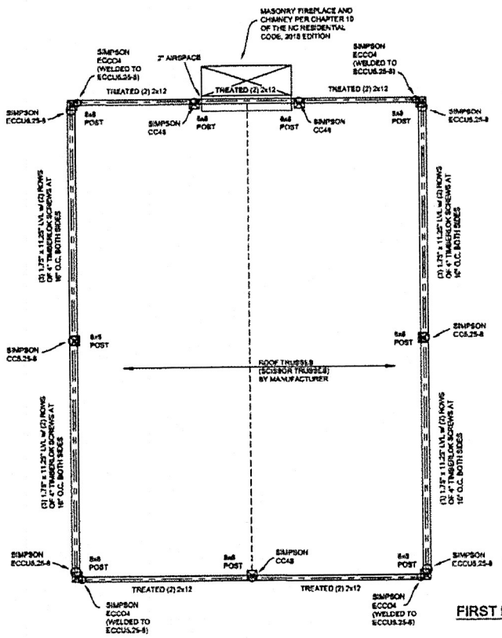
1) ASSUMED SOIL BEARING CAPACITY IS 2,000 psf. IF UNSUITABLE SOILS ARE ENCOUNTERED, PLEASE CONTACT ON-SITE RESIDENTIAL ENGINEERING FOR RE-EVALUATION.
2) CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 psi (INTERIOR SLABS MAY HAVE A COMPRESSIVE STRENGTH OF 2,500 psi). CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED BETWEEN 5% AND 7%.
3) THE BOTTOM OF FOOTINGS SHALL EXTEND 12" BELOW THE GROUND SURFACE.

ROOF FRAMING STRUCTURAL NOTES

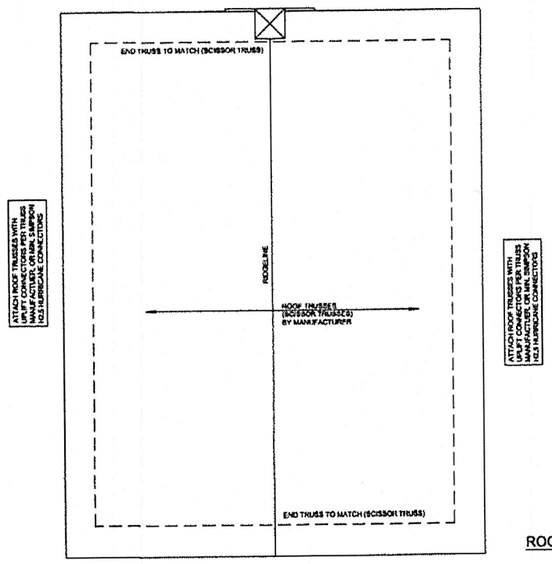
1) ROOF FRAMING SHALL BE SPF #2 OR SYP #2 UNLESS NOTED OTHERWISE
2) ROOF TRUSSES SHALL BE BRACED TO PREVENT ROTATION AND PROVIDE LATERAL STABILITY PER MANUFACTURER / DESIGNER TRUSS DOCUMENTS, OR PER BSCI 1-03 "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, AND BRACING OF METAL PLATE CONNECTED WOOD TRUSSES"
3) ROOF TRUSSES SHALL NOT BE CUT, NOTCHED, DRILLED, SPLICED, OR OTHERWISE ALTERED IN ANY WAY PER R802.10.4. STRUCTURAL ROOF MEMBERS SHALL NOT BE DRILLED OR NOTCHED IN EXCESS OF THE LIMITATIONS SPECIFIED IN R802.7
4) TRUSSES SHALL BE CONNECTED TO WALL PLATES BY THE USE OF APPROVED CONNECTORS PER MANUFACTURER TO RESIST UPLIFT
5) WOOD STRUCTURAL PANELS USED FOR ROOF SHEATHING SHALL MEET THE REQUIREMENTS OF TABLE R503.2.1.1(1)



FOUNDATION STRUCTURAL PLAN
SCALE: 1/4" = 1'-0"



FIRST FLOOR STRUCTURAL PLAN
SCALE: 1/4" = 1'-0"



ROOF STRUCTURAL PLAN
SCALE: 1/4" = 1'-0"