

DESIGN PROFESSIONAL INSPECTION FORM

RECORD OF THE INSPECTION OF A COMPONENT OR ELEMENT BY A NC LICENSED ARCHITECT OR ENGINEER

Project Information:

Residential Single-Family Project: <input checked="" type="radio"/> Y <input type="radio"/> N	Commercial Project: Y <input type="radio"/> <input checked="" type="radio"/> N
Code Enforcement Project No:	Permit No: <u>BRES 2403-0003</u>
Project Name: <u>PORCH AND CARPORT ADDN</u>	Owner: <u>SAMUEL GARCIA</u>
Project Address: <u>ANGIER, NC 3899 BENSON RD.</u>	Suite No:
Date Inspected: <u>10 JAN 25</u>	Contractor Name: <u>S. GARCIA</u>
Component Inspected: <u>FOOTINGS & FRONT PORCH & CARPORT</u>	

Responsible Licensed NC Architect or NC Engineer

Name:	Greg Robinson, PE	
Firm Name:	Greg Robinson, PE	
Phone Numbers:	Office: 919.846.4752	Mobile: 919.818.9829
Email Address:	greg@gar-pe.com	
Mailing Address:	6512 Six Forks Rd., Suite 403A Raleigh, NC 27615	

APPLICABLE CODE: 2018 NCRC

2018 NCBC = 2018 NC Building Code; 2018 NCRC = 2018 NC Residential Code

Describe Element/Component/Type of Inspection: *

FRONT PORCH WALL FOOTINGS: APPROX 12" x 20"
CARPORT POST FOOTINGS: APPROX 24" x 24" x 8"

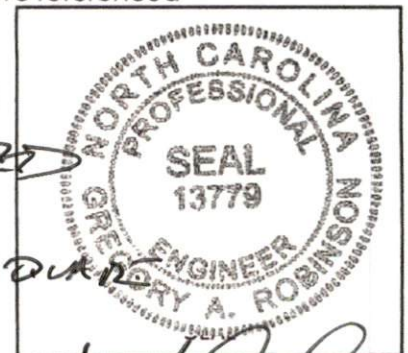
*(subgrade form/letter may also be required)

Attestation/Signature:

By signing below, I certify that the component and/or element of the building as identified on this form has been inspected by me or someone under my direct supervision per subsection (b2) of NC G.S. 153A-352 and is in compliance with the Code or other proposal of the architect or engineer for the project. This inspection is in compliance with all of the requirements of the above referenced Code. Attach any additional documents if needed.

1. FRONT PORCH FOOTINGS ADEQUATE FOR ANTICIPATED LOADS
2. CARPORT FOOTINGS NOT ADEQUATE

Licensed Architect or Engineer



[Signature]
10 JAN 25

Inspection Department disclaimer:

Upon the receipt of a signed written document as required under subsection (a) of Article 160A-413.5., Code Enforcement shall be discharged and released from any liabilities, duties and responsibilities imposed by this article or in common law from any claim arising out of or attributed to the component or element in the construction of the building for which the signed written document was submitted. Be aware that this inspection will be noted in all inspection records including the Certificate of Occupancy or Certificate of Compliance. This inspection does not address any local ordinances or zoning requirements.

REPORT OF OBSERVATION AND EVALUATION

Report for: SAMUEL GARCIA Seller Buyer

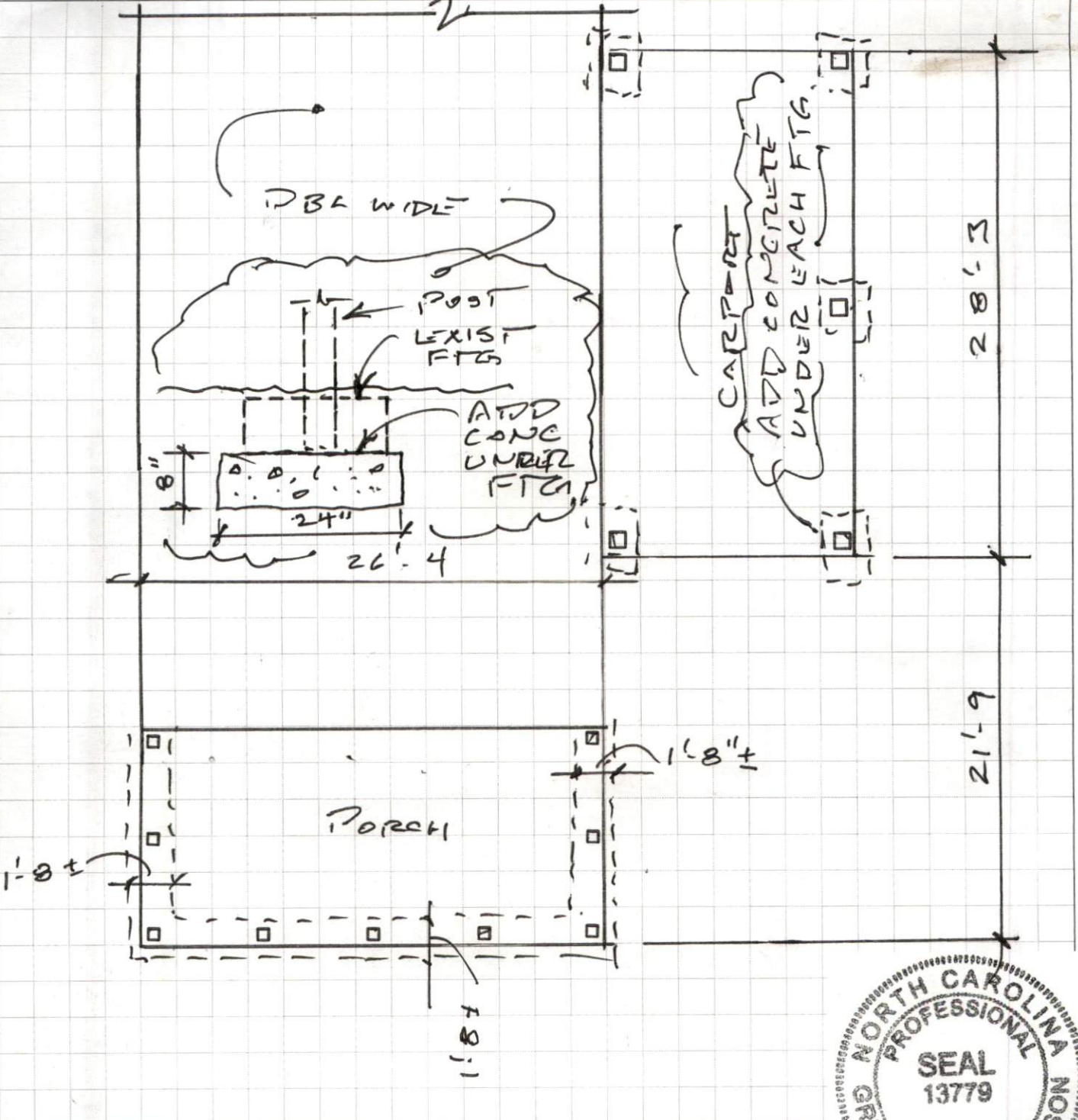
Address: 3890 BENSON RD
ANGIER, NC

Gregory A. Robinson, PE
6512 Six Forks Road, Suite 403A
Raleigh, NC 27615

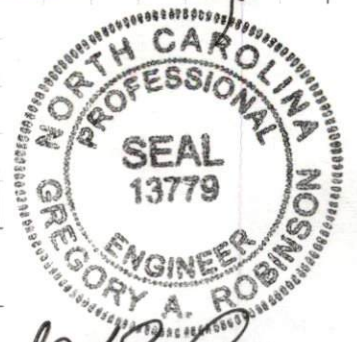
919.846.4752 fax 919.847.0455

BRES2403-0003

Date: 10 JAN 25 Name:



Accepted by: _____ Copies to: _____



Gregory A. Robinson
10 JAN 25

REPORT OF OBSERVATION AND EVALUATION

Report for: SAMUEL GARCIA Seller Buyer

Address: 3890 BENSON RD.
ANGLETZ, NC

Representative:
BRES 2403-0003

Gregory A. Robinson, PE
6512 Six Forks Road, Suite 403A
Raleigh, NC 27615

919.846.4752 fax 919.847.0455

Telephone: _____ Date: 10 JAN 25 GARPE# _____

GENERAL NOTES AND OUTLINE SPECIFICATIONS

01000 GENERAL

1. Design Live Loads
 - Floor 40 psf
 - Roof 20 psf
2. Roof Snow Loads (2018 NC Residential Code, 2015 IRC, ASCE 7-10)
 - Ground Snow Load: 15 psf
3. Wind loads (2018 NC Residential Code, 2015 IRC, ASCE 7-10)
 - Ultimate Wind Velocity: 115 mph; Exposure: B ~~S~~ AIR
4. Contractor shall verify all dimensions, elevations and existing conditions before proceeding with construction.
5. Structural framing shall be braced until erection is complete and permanent connections, bracing members and shear walls are installed.
6. All safety and OSHA regulations shall be followed strictly. Methods of construction and erection of structural material are the Contractor's responsibility.
7. The Contractor shall be responsible for all payments to and coordination of Sub-contractors and suppliers as required to maintain orderly progress of the work and timely completion of the work.
8. Conform to applicable codes for removal and disposal of debris, dust control, and disconnection of electrical equipment.
9. Shoring is not included and shall be the responsibility of the contractor.
10. Cease work immediately if structure appears to be in danger and notify the Owner. Do not resume work until directed.
11. Remove temporary work.

02000 FOUNDATION

1. Design soil bearing capacity: 2,000 psf (presumed).
2. Contractor shall provide well-braced shoring at excavations near existing buildings and construction to prevent settlement and cave-ins.

03000 CONCRETE

1. Proportion concrete mixes to provide normal weight (145 pcf) concrete with the following properties:

Element	Slump	Air (in.)	w/c (% vol)	ratio	Compressive strength at 28 days	Max. aggregate size (in.)
Footings, foundation walls	3-4	4-6	0.55		3,500 psi	1-1/2
Slab on grade	3-4	4-6	0.50		4,000 psi	1-1/2
2. Reinforcing bars shall be rolled from new billet steel conforming to ASTM A 615, and shall be Grade 60.
3. Clear distance from face of concrete to main reinforcing: Footings, walls cast against earth 3" UON
4. Lap all reinforcing splices at least 50 bar diameters (18" minimum) unless otherwise noted.

05120 STRUCTURAL STEEL

1. Structural steel shall conform to ASTM A 992 or ASTM A 36 except round pipe columns shall be ASTM A 53, Types E or S, Grade B; square and rectangular tubes shall be ASTM A 500, GR B.
2. Design, fabrication, erection and workmanship shall conform to "Specification for the Design, Fabrication and Erection of Structural Steel for Building", AISC Ninth Edition.
3. Anchor bolts shall conform to ASTM A 307 and lengths shown on drawings shall include hooks of not less than 3" in length.
4. Adhesive anchors shall consist of all-thread anchor rod, nut, washer and adhesive capsule. Anchor rods shall conform to ASTM A 307. Adhesive be a two-part, unmixed resin and hardener adhesive capable of forming a rapid-setting resinous mortar.

06110 WOOD FRAMING AND PLYWOOD

1. Lumber materials shall be grade-stamped and conform to the requirements of the Southern Pine Inspection Bureau (SPIB) Western Wood Products Association (WWPA).
2. Framing shall be kiln-dried, Southern Pine species S-P-F, #2 grade, surfaced dry, 19 15 percent maximum moisture content.
3. Nailing for wood construction shall be in accordance with the applicable building code fastening schedule unless otherwise noted on the plans.
4. Nails, screws, bolts, washers, nuts and hardware shall be zinc electroplated steel. Provide washers between all bolt heads and wood and between all nuts and wood. Connection bolts shall conform to ASTM A 307.
5. Set structural members level and plumb, in correct position.
6. Plywood for sheathing shall conform to the grading rules of U.S. Product Standard PS 1, latest edition, and bear the appropriate grade mark of an American Plywood Association approved agency on each plywood panel. Sheathing shall be APA rated sheathing in thicknesses and span rating shown on drawings. Sheathing shall be applied in full sheets or in largest pieces practical for the area being covered
7. Heavy timber wood framing shall be kiln dried No. 2 Post and Timber Southern Pine conforming to Southern Pine Inspection Bureau grading rules, surfaced dry; used at 19% maximum moisture content (or better) in sizes shown on the drawings. Each piece shall be grade-stamped.

06171 LAMINATED VENEER LUMBER

1. Laminated veneer lumber (LVL) members shall be furnished as shown on the plans. Sizes shown on plans are actual sizes (width x height) in inches.
2. Laminated veneer lumber (LVL) members shall conform to the following minimum design values:

F _b (Bending)	2,600 psi
F _c (Compression Parallel to Grain)	3,000 psi
F _v (Horizontal Shear)	280 psi



Accepted by: _____

Copies to: _____

[Signature]