

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="checkbox"/> Y <input type="checkbox"/> N	Commercial Project: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N
Code Enforcement Project No: <u>B</u>	Permit No: <u>BR13 2101-0045</u>
Project Name: <u>ADDN TO VAN ERT ILES.</u>	Owner: <u>R. VAN ERT</u>
Project Address: <u>536 LANESIDE LN, SANFORD, NC</u>	Suite No:
Date Inspected: <u>16 MAR 24</u>	Contractor Name: <u>CHUCK SMITH</u>
Component Inspected: <u>ROOF FRAMING, WALL FRAMING, FOOTINGS</u>	

Responsible Licensed NC Architect or NC Engineer

Name:	<u>GREG ROBINSO</u>
Firm Name:	<u>GREG ROBINSO, PE</u>
Phone Numbers:	Office: <u>919.846.4752</u> Mobile: <u>919.818.9829</u>
Email Address:	<u>greg@garpe.com</u>
Mailing Address:	<u>6512 SIX FOREST DR, SUITE 403A RALEIGH, NC 27615</u>

APPLICABLE CODE: 2018 NCRC

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

Describe Element/Component/Type of Inspection: *

ROOF TRUSS BRACING & BRACING, WALL FRAMING @ WINDOW
WALL FRAMING @ GARAGE DOORS, BRICK VENEER,
FOOTING DEPTH & PRO SECTION

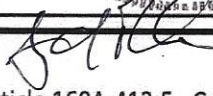
*(subgrade form/letter may also be required)

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.


Licensed Architect or Engineer



 06 MAR 24

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:

~~Seller/Buyer~~

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

Address: VANERT RESIDENCE
536 LAKESIDE LN
SANFORD, NC

919.846.4752 fax 919.847.0455

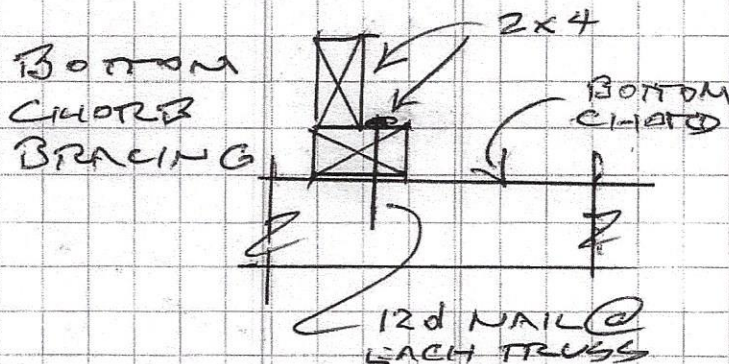
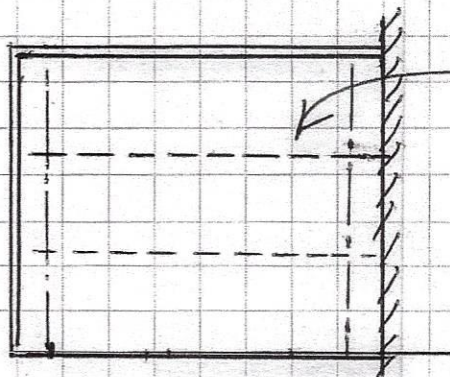
BRES 2101-0045

Date: 16 MAR 24 Name:

I OBSERVED CONSTRUCTION OF GARAGE ADDITION ON THIS DATE.

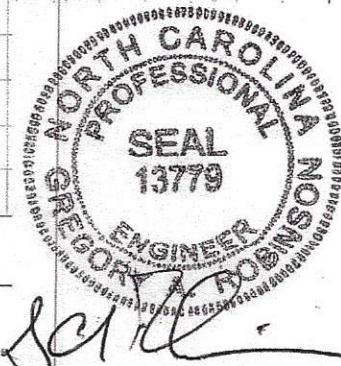
NOTES:

1. GABLE TRUSS BEARING ADEQUATE.
2. REMOVE/REPLACE BRICK MOUNTS AS SHOWN IN DETAIL B.
3. INSTALL DOUBLE TOP PL AND HEADER AT WINDOWS AS SHOWN IN DETAIL A.
4. ADD STRAP TO POST AS SHOWN IN DETAIL C.
5. ADD 2 LINES OF BRACING @ BOTTOM CHORD OF ROOF TRUSSES AS SHOWN BELOW
6. FOOTING PROJECTION / DEPTH ADEQUATE.



Accepted by:

Copies to:



REPORT OF OBSERVATION AND EVALUATION

Report for: VAN LITZ, LLC ~~Seller~~ ~~Buyer~~

Address: 536 LAWSIDE
SANFORD, NC

Representative:
BR2101-0045

Telephone: _____

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

919.846.4752 fax 919.847.0455

Date: 16 MAR 24 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~~
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 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



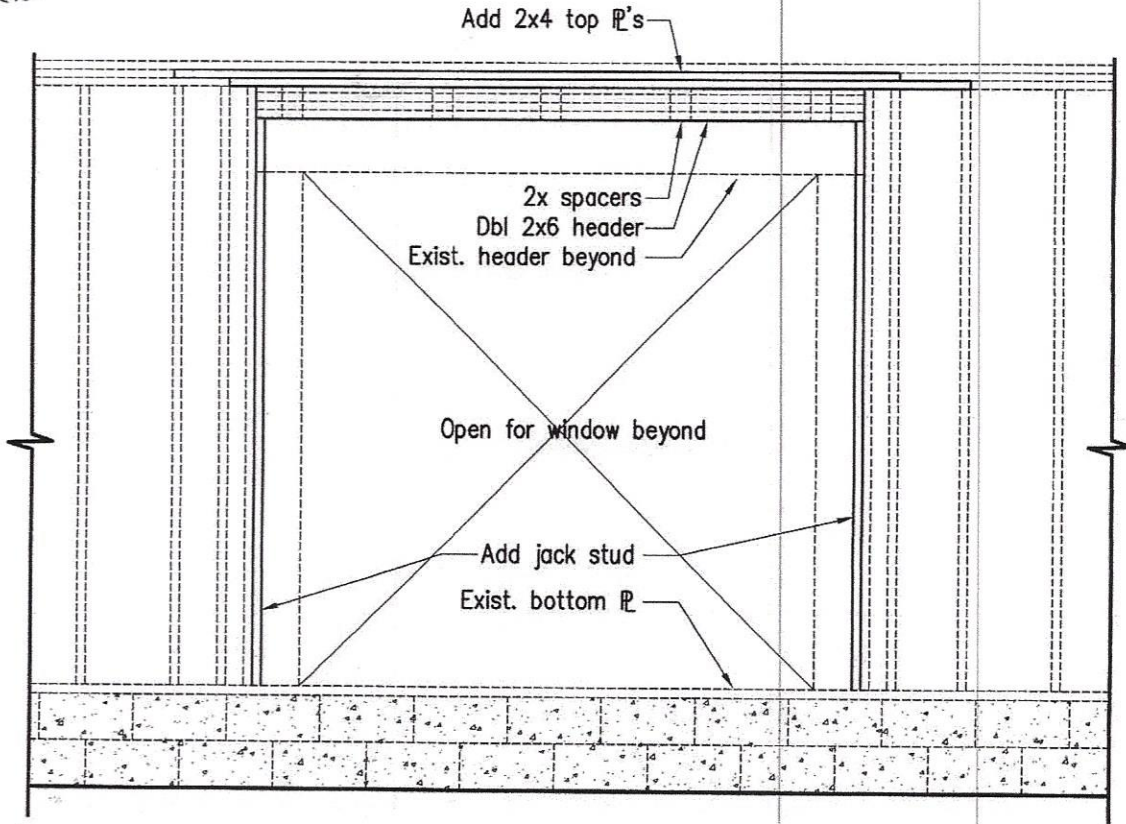
[Signature]
16 MAR 24

Accepted by: _____

Copies to: _____



Greg Robinson
16 MAR 24



Additional Framing at Window

WINDOW FRAMING Scale: 3/8"=1'-0"



GREG ROBINSON, P.E.
CONSULTING ENGINEER

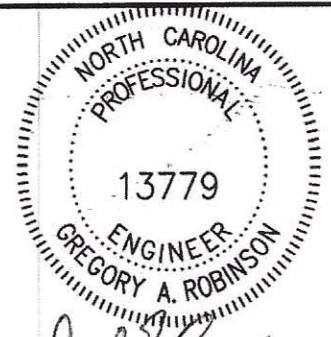
6512 Six Forks Road, Suite 403A
Raleigh, North Carolina 27615
(919) 846-4752 (919) 847-0455 Fax
info@gar-pe.com

Addition of Garage

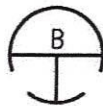
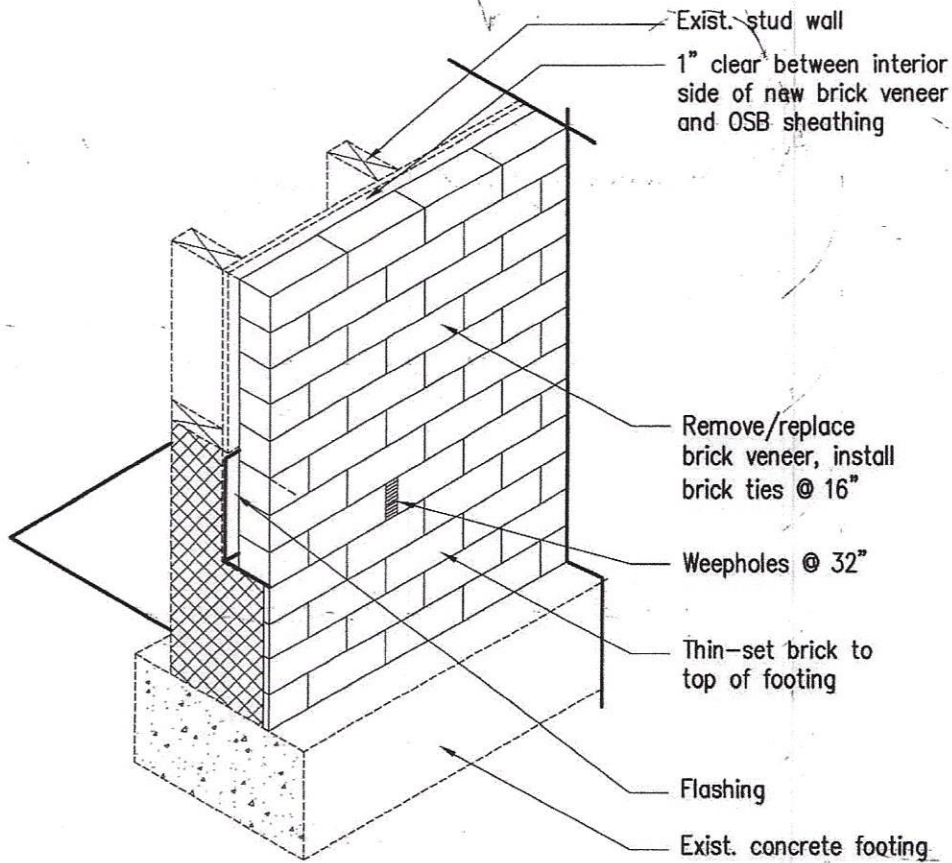
536 Lakeside Drive
Sanford, North Carolina

Drawn: GAR

Date 16MAR24



Gar
16 MAR 24



Brick Veneer Replacement Detail

BRICK VENEER Scale: 3/4"=1'-0"



GREG ROBINSON, P.E.
CONSULTING ENGINEER

6512 Six Forks Road, Suite 403A
Raleigh, North Carolina 27615
(919) 846-4752 (919) 847-0455 fax
info@gar-pe.com

Addition of Garage

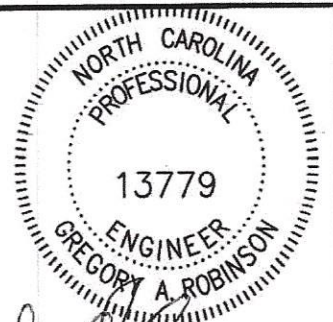
536 Lakeside Drive

Sanford, North Carolina

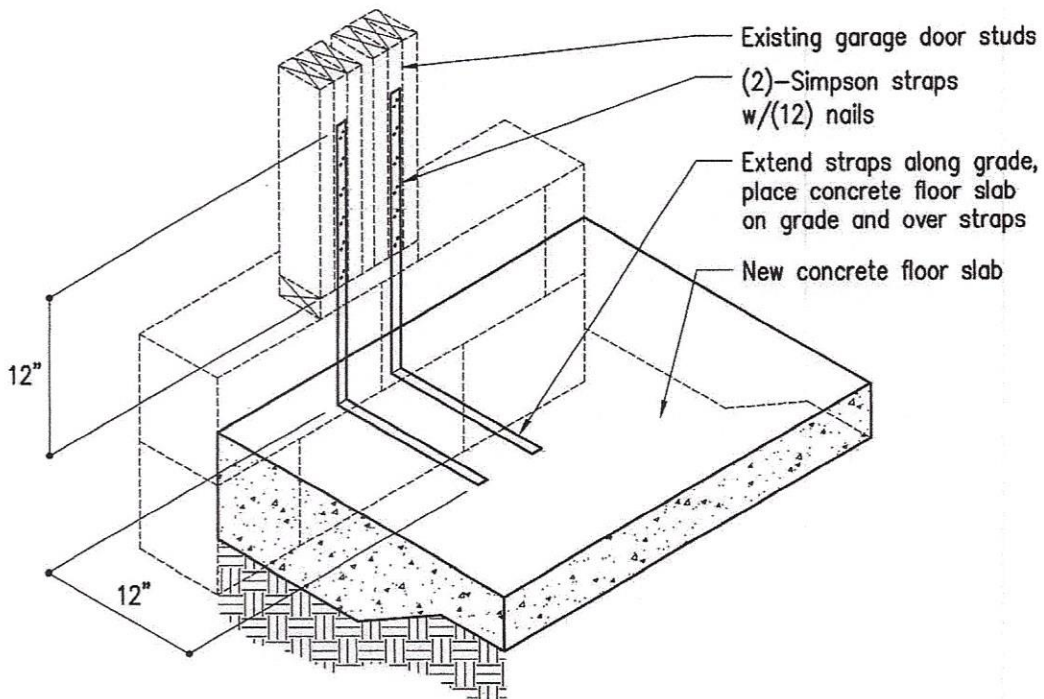
Drawn: GAR

Date 16MAR24

4 of 5



Gregory A. Robinson
16 MAR 24



C Garage Post Tie Detail

16dims Scale: 3/4"=1'-0"



GREG ROBINSON, P.E.
CONSULTING ENGINEER

6512 Six Forks Road, Suite 403A
Raleigh, North Carolina 27615
(919) 846-4752 (919) 847-0455 fax
info@gar-pe.com

Addition of Garage
536 Lakeside Drive
Sanford, North Carolina
Drawn: GAR
Date 16MAR24