
ADDRESS . . : 3391 OAKRIDGE RIVER RD SUBDIV:
 CONTRACTOR : HOWELL BRYAN K PHONE : (919) 552-5115
 OWNER . . : HOWELL BRYAN K & TERRI P PHONE : (919) 552-5115
 PARCEL . . : 05-0644- - -0011- -07-
 APPL NUMBER: 17-50042909 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : T/S: 12/13/2017 11:14 AM BPETRICH --
 401N TO CHRISTIAN LIGHT - LEFT ON
 OAKRIDGE RIVER - SITE IS ON THE RIGHT
 1/2 MILE DOWN THE ROAD
 APPL NOTES : BPMN 1/29/18 T/S: 01/29/2018 04:38 PM BPETRICH --
 PREMISE NUMBER 13082957 - CALLED IN
 TEMP SVC 1/29 4:39P

STRUCTURE: 000 000 80X80 4BD 3.5BA SLAB W/GAR, PRCH, INLAW SU

FLOOD ZONE : FLOOD ZONE X
 # BATHS : 3.5 # BEDROOMS : 4.00
 PROPOSED USE : SFD SEPTIC - EXISTING? : NEW TANK
 WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
A814 01	1/09/18 1/09/18	TW AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 003073533 3391 Oakridge River Rd Fuquay Varina 25726 **Post # on home and at entrance of driveway T/S: 01/09/2018 11:08 AM TWARD -----
B101 01	1/26/18 1/26/18	MC AP	R*BLDG FOOTING / TEMP SVC POLE VRU #: 003080560 T/S: 01/26/2018 03:50 PM MCOOK ----- 1. NEED PREMISE NUMBER 2. OK DUG FOR STEM WALL
B103 01	2/07/18 2/07/18	KS DA	R*BLDG FOUND & TEMP SVC POLE VRU #: 003085869 T/S: 02/07/2018 03:44 PM KSLATTUM ----- No insulation installed. Shall be for foundation inspection.
B103 02	2/08/18 2/08/18	MC AP	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 003087046 T/S: 02/07/2018 04:08 PM BPETRICH ----- T/S: 02/08/2018 05:16 PM MCOOK -----
P309 01	2/23/18 2/23/18	BS AP	R*PLUMB UNDER SLAB VRU #: 003093066 T/S: February 23, 2018 03:24 PM BSUTTON -----
R425 01	4/05/18 4/05/18	MC DA	FOUR TRADE ROUGH IN VRU #: 003110430 T/S: 04/05/2018 03:45 PM MCOOK ----- 1.all siding installed with no inspection 2. no fire/draft stop installed 3. bath fan upstairs not properly installed 4. no lid bracing installed per plans 5. missing double joist in ding room 6. cut 2-2x10's at fireplace 7. missing window back right bedroom 8. dissimilar metals on lineset back right bedroom 9. ? how going to meet insulation requires thru-out building
R425 02	4/09/18 4/09/18	MC DA	FOUR TRADE ROUGH IN VRU #: 003111750 T/S: 04/09/2018 03:06 PM MCOOK ----- 1. need letter for correct install ok for #5, #6 items
I129 01	4/13/18 <u>11</u>	TI <u>AP</u>	R*INSULATION INSPECTION TIME: 17:00 VRU #: 003114261 T/S: 04/12/2018 02:18 PM BPETRICH -----
R425 03	4/13/18 <u>11</u>	TI <u>AP</u>	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003114253 T/S: 04/12/2018 02:18 PM BPETRICH -----

 COMMENTS AND NOTES

Howerton Services, PLLC.

License #: P-1716

**2108 Karns Place
Raleigh, NC 27614
(919) 270-3460**

April 9, 2018

Subject: King Residence
3391 Oakridge River Road
Harnett County Permit #: 17-500429009
Framing Inspection

The double 2x10 beam above the fireplace was cut. Place a double 2x10 beam adjacent to the double 2x10 beam that was cut. Use 3 - 1/2" through bolts equally spaced on each end to attach the new double 2x10 to the existing double 2x10 that was cut. One end of the double 2x10 was notched for wiring. The wiring notch was filled with wood shims on each side of the wires. This end was also notched at the bottom to rest on a 2x2 ledger. I reviewed the exterior sheeting and the window and door installation and they are acceptable.

The above items meet all the requirements of the 2012 North Carolina Building Code for Residences.



Joel S. Howerton

04 09 2018

Signature Certificate

Folder Ref: 24aa1197b87cfc403f1315bacf81dcd3cb3a989e

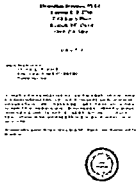


Author: Joel S. Howerton

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Name: King Residence Framing Inspection Letter

Type:

Document Ref: 10431a3247eaa2ef0e886e0448d00fd393f6ee74fec94a75aeade78cc093fb23

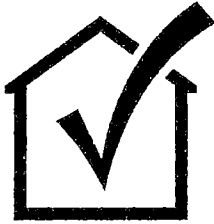
Document Signed By:

Name: Joel S. Howerton
Email: joeltarheel66@yahoo.com
IP: 2606:a000:1125:507:4d8a:86e9:7069:65af
Date: 09 Apr 2018, 19:56:59, EDT

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REScheck Software Version 4.6.2.1 Inspection Checklist

Energy Code: **North Carolina Energy Conservation Code**
Location: **Fuquay-Varina, North Carolina**
Construction Type: **Single Family**
Project Type: **New construction**
Glazing Area Percentage: **11%**
Heating Degree Days: **3182**
Climate Zone: **4**

Ceilings:

- Ceiling 1: Flat Ceiling or Scissor Truss, R-30.0 cavity insulation

Comments: _____

Above-Grade Walls:

- Wall 1: Wood Frame, 16" o.c., R-15.0 cavity insulation

Comments: _____

Windows:

- Window 1: Vinyl/Fiberglass Frame:Double Pane with Low-E, U-factor: 0.320, SHGC: 0.26,

For windows without labeled U-factors, describe features:

#Panels _____ Frame Type _____ Thermal Break? _____ Yes _____ No

Comments: _____

Doors:

- Door 1: Solid, U-factor: 0.190

Comments: _____

- Door 2: Glass, U-factor: 0.320, SHGC: 0.26,

Comments: _____

Floors:

- Floor 1: Slab-On-Grade:Unheated, 2.0' insulation depth, R-10.0 continuous insulation

Comments: _____

Slab insulation extends down from the top of the slab to at least 2.0 ft. OR down to at least the bottom of the slab then horizontally for a total distance of 2.0 ft. Slab edge insulation must have a 2 inch termite inspection gap.

Solar Heat Gain Coefficient:

- Solar Heat Gain Coefficient (SHGC) values are determined in accordance with the NFRC test procedure or taken from the default table.

Air Leakage:

- Joints (including rim joist junctions), attic access openings, penetrations, and all other such openings in the building envelope that are sources of air leakage are sealed with caulk, gasketed, weatherstripped or otherwise sealed with an air barrier material, suitable film or solid material.
- Air barrier and sealing exists on common walls between dwelling units, on exterior walls behind tubs/showers, and in openings between window/door jambs and framing.
- Recessed lights in the building thermal envelope are 1) type IC rated and ASTM E283 labeled and 2) sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.
- Access doors separating conditioned from unconditioned space (e.g., attic, unconditioned basements and crawlspaces) are weather-stripped and insulated (without insulation compression or damage). Where loose fill insulation exists, a wood framed or equivalent baffle is installed to maintain insulation application. Required insulation values are as follows:
- (1) Hinged vertical doors have a minimum of R-5 insulation.
 - (2) Hatches/scuttle hole covers have a minimum of R-10 insulation.
 - (3) Pull down stairs have a minimum of R-5 rigid insulation.

- Site-built masonry fireplaces have doors and comply with Section R1006 of the North Carolina Residential Code for combustion air.

Air Sealing and Insulation:

- Building envelope air tightness and insulation installation complies with one of the following (mark the method that was applied):
- (1) ___ Post rough-in blower door test result of less than or equal to 5 ACH at 50 pascals.
 - (2) ___ Post rough-in blower door test result of less than or equal to 0.30 CFM50/square foot of surface area.
 - (3) ___ Visual inspection. The following items, along with all other air leakage requirements in this report, are certified by the builder, permit holder or registered design professional as completed.
 - (a) Ceiling/attic: Sealants or gaskets provide a continuous air barrier system joining the top plate of framed walls with either the ceiling drywall or the top edge of wall drywall to prevent air leakage. Top plate penetrations are sealed.
 - (b) Ceiling/attic: For ceiling finishes that are not air barrier systems such as tongue-and-groove planks, air barrier systems (e.g., taped house wrap) are used above the finish.
 - (c) Above Grade Walls: Sill plate is gasketed or sealed to subfloor or slab.
 - (d) Windows/doors: Space between window and door jambs and framing are sealed.
 - (e) Floors: Air barrier system is installed at any exposed edge of insulation.

Sunrooms:

- Sunrooms that are thermally isolated from the building envelope have a maximum fenestration U-factor of 0.40 and the maximum skylight U-factor of 0.75.
- Sunrooms with cooling systems shall have a maximum fenestration SHGC or 0.40 for all glazing.

Materials Identification and Installation:

- Materials and equipment are installed in accordance with the manufacturer's installation instructions.
- Materials and equipment are identified so that compliance can be determined.
- Manufacturer manuals for all installed heating and cooling equipment and service water heating equipment have been provided.
- Insulation R-values and glazing U-factors are clearly marked on the building plans or specifications.

Duct Insulation:

- Supply and return ducts in unconditioned space and outdoors are insulated to R-8. Supply ducts inside semi-conditioned space are insulated to R-4.

Duct Construction and Testing:

- Building framing cavities are not used as supply ducts.
- All joints and seams of air ducts, air handlers, filter boxes, and building cavities used as return ducts are sealed. Joints and seams comply with Part V - Mechanical, Section 603.9 of the North Carolina Residential Code.
- Postconstruction total duct leakage test (including air handler enclosure) has been performed and results are less than or equal to 154.8 cfm (6 cfm per 100 ft² of conditioned floor area) pressure differential of 0.1 inches w.g. Tests are performed according to North Carolina Energy Conservation Code guidelines (Section 403.2.2).

Temperature Controls:

- Where the primary heating system is a forced air-furnace, at least one programmable thermostat is installed to control the primary heating system and has set-points initialized at 70 degree F for the heating cycle and 78 degree F for the cooling cycle.
- Heat pumps having supplementary electric-resistance heat have controls that prevent supplemental heat operation when the compressor can meet the heating load.

Heating and Cooling Equipment Sizing:

- Heating and cooling equipment shall be sized in accordance with the North Carolina Mechanical Code.
- For systems serving multiple dwelling units documentation has been submitted demonstrating compliance with 2009 IECC Commercial Building Mechanical and/or Service Water Heating (Sections 503 and 504).

Circulating Service Hot Water Systems:

- Circulating service hot water pipes are insulated to R-2.
- Circulating service hot water systems include an automatic or accessible manual switch to turn off the circulating pump when the system is not in use.

Heating and Cooling Piping Insulation:

- HVAC piping conveying fluids above 105 degrees F or chilled fluids below 55 degrees F are insulated to R-3.

Swimming Pools:

- Heated swimming pools have an on/off heater switch.
- Pool heaters operating on natural gas or LPG have an electronic pilot light.

- Timer switches on pool heaters and pumps are present.

Exceptions:

Where public health standards require continuous pump operation.

Where pumps operate within solar- and/or waste-heat-recovery systems.

- Heated swimming pools and in-ground permanently installed spas have a vapor-retardent cover.

Exceptions:

Covers are not required when 70% of the heating energy is from site-recovered energy or solar energy source.

Lighting Requirements:

- A minimum of 75 percent of the lamps in permanently installed lighting fixtures can be categorized as one of the following:

(a) Compact fluorescent

(b) T-8 or smaller diameter linear fluorescent

(c) 40 lumens per watt for lamp wattage ≤ 15

(d) 50 lumens per watt for lamp wattage > 15 and ≤ 40

(e) 60 lumens per watt for lamp wattage > 40

Other Requirements:

- Snow- and ice-melting systems with energy supplied from the service to a building shall include automatic controls capable of shutting off the system when a) the pavement temperature is above 50 degrees F, b) no precipitation is falling, and c) the outdoor temperature is above 40 degrees F (a manual shutoff control is also permitted to satisfy requirement 'c').

Certificate:

- A permanent certificate is provided on or in the electrical distribution panel listing the predominant insulation R-values; window U-factors; type and efficiency of space-conditioning and water heating equipment. The certificate does not cover or obstruct the visibility of the circuit directory label, service disconnect label or other required labels.

NOTES TO FIELD: (Building Department Use Only)



North Carolina Energy Efficiency Certificate

Insulation Rating	R-Value
Ceiling / Roof	30.00
Above-Grade Wall	15.00
Below-Grade Wall	0.00
Floor	10.00
Ductwork (unconditioned spaces):	_____

Glass & Door Rating	U-Factor	SHGC
Window	0.32	0.26
Door	0.32	0.26

Heating & Cooling Equipment	Efficiency
Heating System: _____	_____
Cooling System: _____	_____
Water Heater: _____	_____

Building Air Leakage and Duct Test Results	
Air Leakage Compliance Method:	<input type="checkbox"/> Visual Inspection <input type="checkbox"/> Air Leakage Test
Building Air Leakage Test Results	_____
Name of Air Leakage Tester	_____
Duct Tightness Test Results	_____
Name of Duct Tester	_____

Name: _____ Date: _____

Comments: