



REScheck Software Version 4.6.4 Compliance Certificate

Project Title: Robert Long Residence

Energy Code: **North Carolina Energy Conservation Code**
Location: **Angier, North Carolina**
Construction Type: **Single Family**
Project Type: **Addition**
Glazing Area Percentage: **2%**
Heating Degree Days: **3502**
Climate Zone: **4**

Construction Site:
35 Henry Rifle Lane
Angier, NC 27501

Owner/Agent:
Robert Long
35 Henry Rifle lane
Angier, NC 27501
919-333-6215
say_what64@hotmail.com

Designer/Contractor:

Compliance: **Passes using UA trade-off**

Compliance: **1.6% Better Than Code** Maximum UA: **188** Your UA: **185** Maximum SHGC: **0.30** Your SHGC: **0.29**

The % Better or Worse Than Code index reflects how close to compliance the house is based on code trade-off rules.

It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Glazing or Door U-Factor	UA
Ceiling 1: Cathedral Ceiling	203	21.0	0.5		10
Ceiling 2: Cathedral Ceiling	1853	26.6	0.5		70
Ceiling 3: Cathedral Ceiling	406	26.6	0.5		15
Wall 1: Wood Frame, 16" o.c.	510	13.3	1.0		37
Window 1: Vinyl/Fiberglass Frame:Double Pane with Low-E SHGC: 0.29	12			0.300	4
Floor 1: All-Wood Joist/Truss:Over Unconditioned Space	1541	30.0	0.5		49

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the North Carolina Energy Conservation Code requirements in REScheck Version 4.6.4 and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Name - Title

Signature

Date



North Carolina Energy Efficiency Certificate

Insulation Rating	R-Value
Ceiling / Roof	27.10
Above-Grade Wall	14.30
Below-Grade Wall	0.00
Floor	30.50
Ductwork (unconditioned spaces):	_____

Glass & Door Rating	U-Factor	SHGC
Window	0.30	0.29
Door		

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: