



BRAD D. CUMMINGS CONSTRUCTION CO. INC

Dan and Ivette Laseria – 230 Whit Court Angier

The building thermal envelope shall meet the requirements of Table 402.1.1 based on CLIMATE ZONE 4

CEILING R-VALUE	38
WOOD FRAME WALL R-VALUE	15
FLOOR R-VALUE	sealed crawl
BASEMENT WALL R-VALUE	not applicable
CRAWLSPACE WALL R-VALUE	not applicable
DUCT R-VALUE	8
FENESTRATION U-FACTOR	0.35
GLAZED FENESTRATION SHGC	0.30

R values are minimums. U-Factors and SHGC are maximums.

BASED ON CHAPTER 4 "RESIDENTIAL ENERGY EFFICIENCY" OF THE 2012 NC BUILDING CODE

FENESTRATION CALCULATION: GLAZED AREA (290sf) / FLOOR AREA (2973sf) = 9.80%

Building air leakage to be visually inspected as required in Section N1102.4.2.2.

Total Duct Leakage Test to be performed as required in Section N1103.2.2 – Target: 6 (CFM25 Total/SF)

Lighting (prescriptive) – A min of 75 percent of the lamps in permanently installed lighting fixtures shall be high efficiency lamps.

Brad D. Cummings, Contractor

Certified Green Professional, NAHB

Professional Designer, AIBD