



COMcheck Software Version 4.0.2.8

Envelope Compliance Certificate

Project Information

Energy Code: 2015 IECC
 Project Title: Dollar General Lillington #23680
 Location: Lillington, North Carolina
 Climate Zone: 4a
 Project Type: New Construction
 Vertical Glazing / Wall Area: 3%

Construction Site:
 7003 NC Hwy. 421 N
 Lillington, NC 27546

Owner/Agent:
 Pittman Lee
 Rhetson Companies, Inc.
 2075 Juniper Lake Road
 West End, NC 3580127376
 910-944-0881
 lpittman@rhetson.com

Designer/Contractor:
 Tim O'Connell
 Rhetson Companies, Inc.
 2075 Juniper Lake Road
 West End, NC 27376
 910-944-0881
 timo@rhetson.com

| Building Area | Floor Area |
|---------------------------|------------|
| 1-Retail : Nonresidential | 9100 |

Additional Efficiency Package

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Envelope Assemblies

| Assembly | Gross Area or Perimeter | Cavity R-Value | Cont. R-Value | Proposed U-Factor | Budget U- Factor ^(a) |
|--|-------------------------------|-------------------|------------------|----------------------|------------------------------------|
| Roof 1: Metal Building, Standing Seam, Liner System with Thermal Blocks (d), [Bldg. Use 1 - Retail] | 10640 | 36.0 | 5.0 | 0.027 | 0.035 |
| Floor 1: Slab-On-Grade:Unheated, Vertical 2 ft., [Bldg. Use 1 - Retail] (c) | 427 | --- | 8.4 | 0.560 | 0.550 |
| NORTH | | | | | |
| Exterior Wall 2: Metal Building Wall, Single Layer Mineral Fiber, [Bldg. Use 1 - Retail] | 2123 | 0.0 | 19.0 | 0.050 | 0.052 |
| Door 1: Insulated Metal, Swinging, [Bldg. Use 1 - Retail] | 21 | --- | --- | 0.700 | 0.610 |
| EAST | | | | | |
| Exterior Wall 3: Metal Building Wall, Single Layer Mineral Fiber, [Bldg. Use 1 - Retail] | 1120 | 0.0 | 19.0 | 0.050 | 0.052 |
| Window 1: Metal Frame with Thermal Break:Fixed, Perf. Specs.: Product ID Assa Abloy, SHGC 0.25, PF 0.55, VT 0.50, [Bldg. Use 1 - Retail] (b) | 168 | --- | --- | 0.320 | 0.380 |
| Door 2: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID Assa Abloy, SHGC 0.30, PF 0.55, VT 0.60, [Bldg. Use 1 - Retail] (b) | 42 | --- | --- | 0.300 | 0.770 |
| SOUTH | | | | | |
| Exterior Wall 4: Metal Building Wall, Single Layer Mineral Fiber, [Bldg. Use 1 - Retail] | 1820 | 0.0 | 19.0 | 0.050 | 0.052 |
| Door 3: Insulated Metal, Swinging, [Bldg. Use 1 - Retail] | 42 | --- | --- | 0.700 | 0.610 |
| WEST | | | | | |

