



COMcheck Software Version 4.0.1 Envelope Compliance Certificate

Section 1: Project Information

Energy Code: 2009 IECC

Project Title:

Project Type: New Construction

Construction Site:

Owner/Agent:

Academy fo Active Learners
134 Warren Avenue
Portland, ME 04103

Designer/Contractor:

Biskup Construction, Inc.
16 Danielle Drive
Windham, ME 04062
207-892-9800

Building Location (for weather data):

Portland, Maine

Climate Zone:

6a

Vertical Glazing / Wall Area Pct.:

7%

Building Use: Activity Type(s)

Floor Area

1-School/University : Nonresidential

7908

Section 2: Envelope Assemblies and Requirements Checklist

Envelope PASSES: Design 6% better than code.

Envelope Assemblies:

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor ^(a)
Roof 1: Other Metal Building Roof, [Bldg. Use 1 - School/University] (b) Comments: Liner R-11+R-19 no thermal blocks ASHRAE A2.3	7908	---	---	0.040	0.049
Kicker Wall: Solid Concrete:8" Thickness,Normal Density , Furring: Metal, [Bldg. Use 1 - School/University]	440	13.0	0.0	0.142	0.080
H.M. Ins. door: Insulated Metal, Swinging, [Bldg. Use 1 - School/University] Comments: Ins. pass door ASHRAE A 7.1	45	---	---	0.500	0.700
CMU: Concrete Block:8", Partially Grouted, Cells Empty,Normal Density , Furring: Metal, [Bldg. Use 1 - School/University]	450	13.0	0.0	0.133	0.080
H.M. Ins. door: Insulated Metal, Swinging, [Bldg. Use 1 - School/University] Comments: Ins. pass door ASHRAE A 7.1	9	---	---	0.500	0.700
Full Glass Entry Door: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Type: Energy code default, Double Pane with Low-E, Clear , SHGC 0.70, [Bldg. Use 1 - School/University]	9	---	---	0.800	0.800
Steel Building: Other Metal Building Wall, [Bldg. Use 1 - School/University] (b) Comments: 6" MBI ASHRAE Table A 3.2	6104	---	---	0.084	0.069
Marvin Slider: Vinyl Frame, Perf. Specs.: Product ID Marvin, SHGC 0.33, [Bldg. Use 1 - School/University] (c)	432	---	---	0.310	0.350
H.M. Ins. door: Insulated Metal, Swinging, [Bldg. Use 1 - School/University] Comments: Ins. pass door ASHRAE A 7.1	101	---	---	0.500	0.700
Full Glass Entry Door: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Type: Energy code default, Double Pane with Low-E, Clear , SHGC 0.70, [Bldg. Use 1 - School/University]	15	---	---	0.800	0.800
Floor 1: Slab-On-Grade:Heated, Horizontal with vertical >= 4 ft., [Bldg. Use 1 - School/University]	426	---	10.0	---	---