



COMcheck Software Version 4.0.3.0
Envelope Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
 Project Title: **Bangor Savings Bank - Marginal Way**
 Project Type: **New Construction**

Construction Site: 20 Marginal Way Portland, ME 04101	Owner/Agent: Jason Donovan Bangor Savings Bank PO Box 930 Bangor, ME 04402-0930 207-942-5211 Jason.Donovan@bangor.com	Designer/Contractor: Mason Rowell Landry/French Construction 160 Pleasant Hill Road Scarborough, ME 04074 207-730-5566 mrowell@landryfrenchconstruction.com
Building Location (for weather data): Climate Zone: Vertical Glazing / Wall Area Pct.:	Portland, Maine 6a 22%	

Building Use: Activity Type(s)	Floor Area
1-Office : Nonresidential	8495

Section 2: Envelope Assemblies and Requirements Checklist

Envelope PASSES: Design 14% 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: Insulation Entirely Above Deck, [Bldg. Use 1 - Office]	2775	—	38.0	0.026	0.048
Exterior Wall 1: Steel-Framed, 16" o.c., [Bldg. Use 1 - Office]	8443	15.0	15.3	0.042	0.064
Window 3: Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID Product Label, SHGC 0.32, [Bldg. Use 1 - Office] (b)	1949	—	—	0.280	0.450
Window 4: Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID Product Label, SHGC 0.32, PF 0.20, [Bldg. Use 1 - Office] (b)	430	—	—	0.280	0.450
Exterior Wall 2: Concrete Block 8", Partially Grouted, Cells Empty, Normal Density, Furring: Metal, [Bldg. Use 1 - Office]	3009	0.0	15.3	0.054	0.080
Window 2: Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID Product Label, SHGC 0.32, [Bldg. Use 1 - Office] (b)	168	—	—	0.280	0.450
Floor 1: Slab-On-Grade: Unheated, Horizontal with vertical >= 4 ft., [Bldg. Use 1 - Office]	2218	—	12.5	—	—
Floor 3: Steel Joist, [Bldg. Use 1 - Office]	638	0.0	38.0	0.024	0.033

- (a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
- (b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

- 1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
- 2. Windows, doors, and skylights certified as meeting leakage requirements.
- 3. Component R-values & U-factors labeled as certified.
- 4. No roof insulation is installed on a suspended ceiling with removable ceiling panels.
- 5. 'Other' components have supporting documentation for proposed U-Factors.
- 6. Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.

