



COMcheck Software Version 3.6.0 Envelope Compliance Certificate

2004 IECC

Section 1: Project Information

Project Type: **New Construction**
Project Title : 61 India Street

Construction Site:
61 India Street
Portland, ME 04101

Owner/Agent:
Joe Reynolds

Designer/Contractor:
Scott Teas, AIA NCARB
TFH Architects
80 Middle St
Portland, ME 04101
207-775-6141

Section 2: General Information

Building Location (for weather data): **Portland, Maine**
Climate Zone: **6a**
Heating Degree Days (base 65 degrees F): **7378**
Cooling Degree Days (base 50 degrees F): **1943**
Vertical Glazing / Wall Area Pct.: **8%**

Activity Type(s)	Floor Area
Retail Sales, Wholesale Showroom	1355
Office	1361
Multifamily Living Units	2695

Section 3: Requirements Checklist

Envelope **PASSES**: Design 27% better than code.

Climate-Specific Requirements:

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Roof 1: Attic Roof with Wood Joists	1322	29.7	5.0	0.029	0.034
Exterior Wall 1: Wood-Framed, 16" o.c.	7014	21.9	0.0	0.061	0.089
Window 1: Wood Frame:Double Pane with Low-E, Clear, Factory Assembled, SHGC 0.30	541	---	---	0.330	0.350
Door 1: Insulated Metal, Swinging	105	---	---	0.650	0.700
Floor 1: Slab-On-Grade:Heated, Horizontal with vertical >= 4 ft.	1355	---	10.0	---	---

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

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. 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.
- TBD** 5. Stair, elevator shaft vents, and other outdoor air intake and exhaust openings in the building envelope are equipped with motorized dampers.
- N/A** 6. Cargo doors and loading dock doors are weather sealed.

TBD

7. Recessed lighting fixtures are: (i) Type IC rated and sealed or gasketed; or (ii) installed inside an appropriate air-tight assembly with a 0.5 inch clearance from combustible materials and with 3 inches clearance from insulation material.

8. Building entrance doors have a vestibule equipped with closing devices.

Exceptions:

Building entrances with revolving doors.

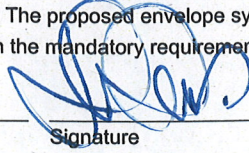
Doors that open directly from a space less than 3000 sq. ft. in area.

9. Vapor retarder installed.

Section 4: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2004 IECC requirements in COMcheck Version 3.6.0 and to comply with the mandatory requirements in the Requirements Checklist.

SCOTT TEAS, ARCHITECT
Name - Title


Signature

11/12/08
Date