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**Envelope Compliance Certificate**

**2009 IECC**

**Section 1: Project Information**

Project Type: **Alteration**  
 Project Title : ODFL - Portland Maine

Construction Site:  
 185 Rand Road  
 Portland, Maine 04102

Owner/Agent:  
 Phil Danner  
 Old Dominion Freight Lines  
 500 Old Dominion Way  
 Thomasville, North Carolina 27360  
 336-822-5324

Designer/Contractor:  
 David Mollenkopf  
 David Mollenkopf Architect  
 209 10th Ave South, Suite 414  
 Nashville, Tennessee 37203  
 615-296-9146

**Section 2: General Information**

Building Location (for weather data): **Portland, Maine**  
 Climate Zone: **6a**  
 Building Space Conditioning Type(s): **Nonresidential**  
 Vertical Glazing / Wall Area Pct.: **0%**

**Activity Type(s)** **Floor Area**  
 Truck Terminal Office & Shop (Office) **3477**

**Section 3: Requirements Checklist**

**Envelope PASSES**

**Climate-Specific Requirements:**

Post-Alteration Assembly	R-Value		Proposed		Max. Allowed	
	Cavity	Cont.	U-Factor	SHGC	U-Factor	SHGC
Ext. Wall: Metal Building Wall	21.0	7.5	0.061	---	0.069	---
Door: , Entrance Door, Entrance Door	---	---	0.350	0.310	0.800	0.400
Door: Insulated Metal, Swinging	---	---	0.157	---	0.700	---
Window: Metal Frame, Thermal Break, Clear	---	---	0.350	0.310	0.550	0.400
Ext. Wall: Steel-Framed, 16in. o.c.	13.0	7.5	0.064	---	0.064	---
Window: Metal Frame, Thermal Break, Clear	---	---	0.350	0.380	0.550	0.400
Door: Insulated Metal, Swinging	---	---	0.157	---	0.700	---

(a) Fenestrations product performance must be certified in accordance with NFRC and requires supporting documentation.

**Air Leakage, Component Certification, and Vapor Retarder Requirements:**

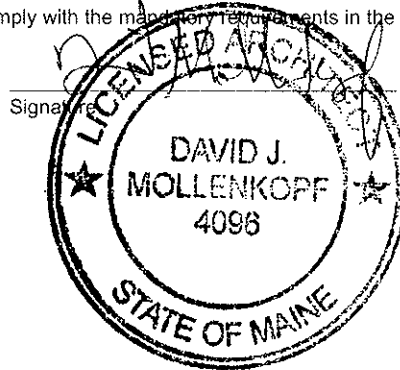
- 1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
- 2. Windows, doors, and skylights certified as meeting leakage requirements.
- 3. Component R-values & U-factors 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.
- 7. Stair, elevator shaft vents, and other outdoor air intake and exhaust openings in the building envelope are equipped with motorized dampers.
- 8. Cargo doors and loading dock doors are weather sealed.

- 9. Recessed lighting fixtures installed in the building envelope are Type IC rated as meeting ASTM E283, are sealed with gasket or caulk.
- 10. Building entrance doors have a vestibule equipped with self-closing devices.
  - Exceptions:*
    - Building entrances with revolving doors.
    - Doors not intended to be used as a building entrance.
    - Doors that open directly from a space less than 3000 sq. ft. in area.
    - Doors used primarily to facilitate vehicular movement or materials handling and adjacent personnel doors.
    - Doors opening directly from a sleeping/dwelling unit.
    - Alteration projects that replace an existing door, provided, however, that existing vestibules (i.e., pre-alteration) are not removed.

## Section 4: Compliance Statement

*Compliance Statement:* The proposed envelope alteration project represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope alteration project has been designed to meet the 2009 IECC requirements in COMcheck-Web and to comply with the mandatory requirements in the Requirements Checklist.

DAVID MOLLENKOPF - PRINCIPAL  
Name - Title



02.14.2024  
Date