



Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 09/15/14



COMcheck Software Version 3.9.4

Envelope Compliance Certificate

90.1 (2007) Standard

Section 1: Project Information

Project Type: **New Construction**

Project Title : Allagash Brewing Company

Construction Site:
50 Industrial Way
Portland, ME 04103

Owner/Agent:
Rob Tod
Allagash Brewing Company
50 Industrial Way
Falmouth, ME 04103
207-878-5385

Designer/Contractor:
Michael Hays
Grant Hays Associates
P.O. Box 6179
Falmouth, ME 04105
207-871-5900
mike@granthays.com

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.: **8%**

Building Type **Floor Area**
Manufacturing Facility 39480

Section 3: Envelope Assemblies

Envelope PASSES: Design 8% 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 ^(a)
Roof 1: Insulation Entirely Above Deck	33980	---	30.0	0.032	0.048
Roof 2: Other Roof (b)	5500	---	---	0.180	0.027
Skylight 1: Metal Frame with Thermal Break:Plastic, With Curb, Perf. Type: Other testing/cert. Product ID: Wasco, SHGC 0.79 (c)	375	---	---	0.700	0.870
Exterior Wall 1: Other Steel Framed Wall (b)	24780	---	---	0.050	0.064
Exterior Wall 2: Solid Concrete:12" Thickness,Normal Density , Furring: None	3120	---	0.0	0.630	0.080
Window 1: Metal Frame with Thermal Break, Perf. Type: Energy code default, Double Pane with Low-E, Clear , SHGC 0.68	2137	---	---	0.900	0.550
Door 1: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Type: Energy code default, Double Pane with Low-E, Clear , SHGC 0.68	210	---	---	0.900	0.800
Door 2: Insulated Metal, Swinging	21	---	---	0.100	0.700
Door 3: Uninsulated Double-Layer Metal, Non-Swinging	632	---	---	0.100	0.500
Floor 1: Slab-On-Grade:Unheated, Horizontal with vertical 4 ft.	33980	---	10.0	---	---
Floor 2: Slab-On-Grade:Unheated	5500	---	---	---	---

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

(b) 'Other' components require supporting documentation for proposed U-factors.

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



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Section 4: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and calculations submitted with this permit application. The proposed envelope system has been designed to meet the 90.1 (2007) Standard requirements in COMcheck Version 3.9.4 and to comply with the mandatory requirements in the Requirements Checklist.

MICHAEL F. HAYS - ARCHITECT

Name - Title

Michael F. Hays

Signature

8.18.14

Date