



Envelope Compliance Certificate

Project Information

Energy Code: 2018 IECC
 Project Title: Woodhouse Ford Pro
 Location: Omaha, Nebraska
 Climate Zone: 5a
 Project Type: Alteration
 Vertical Glazing / Wall Area: 23%

Construction Site: 6603 L Frontage Rd S Omaha, NE 68117	Owner/Agent: Woodhouse Auto 1325 Emmet St Omaha, NE 68164 402-315-3000	Designer/Contractor: BVH Architecture 901 J St Omaha, NE 68102 402-345-3060
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Building Area

Floor Area

1-Service Reception (Office) : Nonresidential	6329
2-Service (Automotive Facility) : Nonresidential	32500

Envelope Assemblies

Post-Alteration Assembly	R-Value		Proposed		Max. Allowed	
	Cavity	Cont.	U-Factor	SHGC	U-Factor	SHGC
NORTH						
Exterior Wall 1: Steel-Framed, 16" o.c., [Bldg. Use 1 - Service Reception], Exemption: Framing cavity not exposed.	---	---	---	---	---	---
Storefront: Metal Frame with Thermal Break:Fixed, Other, Fixed, Fixed, [Bldg. Use 1 - Service Reception]	---	---	0.360	0.360	0.380	0.513
Overhead Door: Glass (> 50% glazing):Metal Frame, Non-Entrance Door, Non-Entrance Door, Non-Entrance Door, [Bldg. Use 1 - Service Reception]	---	---	0.290	0.380	0.450	0.513
Door 2: Glass (> 50% glazing):Metal Frame, Entrance Door, Entrance Door, Entrance Door, [Bldg. Use 1 - Service Reception]	---	---	0.520	0.220	0.770	0.513
Exterior Wall 3: Metal Building Wall, [Bldg. Use 2 - Service], Exemption: Framing cavity filled with insulation.	---	---	---	---	---	---
Door 4: Glass (> 50% glazing):Nonmetal Frame, Non-Entrance Door, Non-Entrance Door, Non-Entrance Door, [Bldg. Use 2 - Service]	---	---	0.290	0.380	0.450	0.513
Door 8: Insulated Metal, Swinging, [Bldg. Use 2 - Service]	---	---	0.370	---	0.370	---
EAST						
Exterior Wall 3 copy 1: Metal Building Wall, [Bldg. Use 2 - Service], Exemption: Framing cavity filled with insulation.	---	---	---	---	---	---
Door 4 copy 2: Glass (> 50% glazing):Nonmetal Frame, Non-Entrance Door, Non-Entrance Door, Non-Entrance Door, [Bldg. Use 2 - Service]	---	---	0.290	0.380	0.450	0.383
Door 8 copy 3: Insulated Metal, Swinging, [Bldg. Use 2 - Service]	---	---	0.370	---	0.370	---
SOUTH						
Exterior Wall 2: Steel-Framed, 16" o.c., [Bldg. Use 1 - Service Reception], Exemption: Framing cavity not exposed.	---	---	---	---	---	---

Post-Alteration Assembly	R-Value		Proposed		Max. Allowed	
	Cavity	Cont.	U-Factor	SHGC	U-Factor	SHGC
Door 3: Glass (> 50% glazing):Nonmetal Frame, Non-Entrance Door, Non-Entrance Door, Non-Entrance Door, [Bldg. Use 1 - Service Reception]	---	---	0.290	0.380	0.450	0.383
Exterior Wall 4: Metal Building Wall, [Bldg. Use 2 - Service], Exemption: Framing cavity filled with insulation.	---	---	---	---	---	---
Door 4 copy 1: Glass (> 50% glazing):Nonmetal Frame, Non-Entrance Door, Non-Entrance Door, Non-Entrance Door, [Bldg. Use 2 - Service]	---	---	0.290	0.380	0.450	0.383
Door 8 copy 2: Insulated Metal, Swinging, [Bldg. Use 2 - Service]	---	---	0.370	---	0.370	---
WEST						
Exterior Wall 3 copy 2: Metal Building Wall, [Bldg. Use 2 - Service], Exemption: Framing cavity filled with insulation.	---	---	---	---	---	---
Door 4 copy 3: Glass (> 50% glazing):Nonmetal Frame, Non-Entrance Door, Non-Entrance Door, Non-Entrance Door, [Bldg. Use 2 - Service]	---	---	0.290	0.380	0.450	0.383
Door 8 copy 1: Insulated Metal, Swinging, [Bldg. Use 2 - Service]	---	---	0.370	---	0.370	---

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

Envelope PASSES

Envelope 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 systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title

Signature

Date