

COMcheck Software Version 4.0.5.1
Envelope Compliance Certificate

Project Information
Energy Code: 90.1 (2007) Standard
Project Name: Express Oil Change & Tire Engineers
Location: Augusta, Georgia
Project Type: New Construction
Version: 0.00
Construction Date: August 08
Designer: AHO ARCHITECTS, LLC
Augusta, GA

Assembly	Gross Area of Envelope	Cavity R-Value	Deck R-Value	Proposed U-Factor	Budget U-Factor
Floor 1 - 2000 sq ft of concrete slab on grade, 1" polystyrene insulation, 4" concrete slab on grade, 1" polystyrene insulation	600	9.0	0.0	0.027	0.027
Floor 1 - 2000 sq ft of concrete slab on grade, 1" polystyrene insulation, 4" concrete slab on grade, 1" polystyrene insulation	1400	9.0	0.0	0.026	0.026
Roof - 1000 sq ft of metal frame, 2" polystyrene insulation, 1" gypsum board, 1" polystyrene insulation, 1" gypsum board, 1" polystyrene insulation	85	-	-	0.027	0.027
Door 1 - Wood, 1/2" insulation, 1/2" air gap, 1/2" insulation	10	-	-	0.020	0.020
Door 2 - Wood, 1/2" insulation, 1/2" air gap, 1/2" insulation	10	-	-	0.020	0.020

(1) Budget U-Factors are used for software license calculations only, and are not code requirements.
(2) Penetration product performance must be defined in accordance with IFGC and include supporting documentation.
(3) Deck R-Value represents and Budget U-Factor shown in table are for deck.
Envelope Compliance Statement
Compliance Statement: The proposed envelope design represented in this document is consistent with the building code, specifications, and other conditions submitted with this permit application. The proposed envelope system has been designed to meet the 2007 International Energy Conservation Code (IECC) requirements for commercial buildings, 90.1, and to comply with any applicable mandatory requirements shown in the inspection checklist.

August 08

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Inspection Checklist

Energy Code: 90.1 (2007) Standard
Requirements: 0.2% were addressed directly in the COMcheck software.
Additional Comments/Assumptions:
None

Section	Inspection Description	Plan Verified	Field Verified	Compliant	Comments/Assumptions
4.0.1.1	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.
4.0.1.2	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.
4.0.1.3	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.

Section	Inspection Description	Plan Verified	Field Verified	Compliant	Comments/Assumptions
4.0.2.1	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.
4.0.2.2	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.
4.0.2.3	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.

Section	Inspection Description	Plan Verified	Field Verified	Compliant	Comments/Assumptions
4.0.3.1	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.
4.0.3.2	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.
4.0.3.3	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.

Section	Inspection Description	Plan Verified	Field Verified	Compliant	Comments/Assumptions
4.0.4.1	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.
4.0.4.2	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.

Section	Inspection Description	Plan Verified	Field Verified	Compliant	Comments/Assumptions
4.0.5.1	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.

Section	Inspection Description	Plan Verified	Field Verified	Compliant	Comments/Assumptions
4.0.6.1	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.
4.0.6.2	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.
4.0.6.3	Roofing / Flashing / Insulation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	See the envelope assembly table for values.



Express Oil Change & Tire Engineers
Single Building - Right Hand Oil Change
Augusta, Georgia

FINAL

No.	Description	Date

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Building Envelope COMCheck

Project number: 16031
Date: 04/04/2017
Drawn by: ARC
Checked by: TAA

G400

Scale

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