COMCHECK LIGHTING AND MECHANICAL

COMcheck Software Version 4.1.0.0

Interior Lighting Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
Project Title: Jim Ellis Cadillac - Main Building
Project Type: New Construction
Construction Site: 580 Peachtree Blvd, Atlanta, GA 30341
Owner/Agent:
Designer/Contractor:

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
Auto sales (Automotive Facility)	19577	0.9	17619
		Total Allowed Watts =	17619

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Auto sales (Automotive Facility 19577 sq.ft.)				
LED 1: A: 4" SQUARE LED DOWN LIGHT: Other:	1	15	13	195
LED 2: B: 2" WIDE LED COVE LIGHT: Other:	1	1	145.6	145.6
LED 3: C: 4" SQUARE LED DOWN LIGHT: Other:	1	8	13	104
LED 4: D: 4" SQUARE LED DOWN LIGHT: Other:	1	104	13	1352
LED 5: D1: 4" SQUARE LED DOWN LIGHT: Other:	1	29	11	319
LED 6: F: 9" MODULAR ACCENT LIGHT: Other:	2	30	23	690
LED 7: G: 12'X8' FLAT PANEL FIXT: Other:	1	30	95	2850
LED 8: H: 8" MODULAR ACCENT LIGHT: Other:	6	13	22	286
LED 9: L8: 6"X5" LINEAR LED FIXT: Other:	1	20	33	660
LED 10: L8a: 6"X5" LINEAR LED FIXT: Other:	1	38	21.5	817
LED 11: M: 6"X5" LINEAR LED FIXT: Other:	1	1	187	187
LED 12: N: 6"X5" LINEAR LED FIXT: Other:	1	12	13	156
LED 13: O: 2'X2' LED ARCHITECTURAL FIXT: Other:	1	5	36	180
LED 14: O1: 2'X2' LED ARCHITECTURAL FIXT: Other:	1	22	20	440
LED 15: O2: 2'X2' LED ARCHITECTURAL FIXT: Other:	1	6	27	162
LED 16: O3: 2'X2' LED ARCHITECTURAL FIXT: Other:	1	27	17	459
LED 17: O4: 2'X4' LED TROFFER: Other:	1	2	37	74
LED 18: O5: 2'X4' LED TROFFER: Other:	1	2	23	46
LED 19: R: 4' SQUARE LED DOWN LIGHT: Other:	1	52	13	676
LED 20: S: LINEAR LED FIXT: Other:	1	1	490	490
Track lighting 1: V: SINGLE CIRCUIT TRACK SYSTEM: Wattage based on current limiting device capacity	0	0	2400	2400
LED 21: EP1: LED VAPORLIGHT FIXT: Other:	1	1	15	15
LED 22: LC1: LED TAPE LIGHT: Other:	1	1	108	108
LED 23: LE1: 10'X2' LED VOLUMETRIC FIXT: Other:	1	1	20	20
LED 24: LF1: 4' LED STRIP: Other:	1	3	34	102
			Total Proposed Watts =	12604

Section 4: Requirements Checklist

Interior Lighting PASSES: Design 28% better than code

Lighting Wattage:

☐ 1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
17619	12604	YES

Controls, Switching, and Wiring:

☐ 2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.
☐ 3. Daylight zones have individual lighting controls independent from that of the general area lighting.

Exceptions:

☐ Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.
☐ Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.

☐ 4. Independent controls for each space (switch/occupancy sensor).

Exceptions:

☐ Areas designated as security or emergency areas that must be continuously illuminated.
☐ Lighting in stairways or corridors that are elements of the means of egress.

☐ 5. Master switch at entry to hotel/motel guest room.
☐ 6. Individual dwelling units separately metered.
☐ 7. Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.
☐ 8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps, switching the middle lamp luminaires independently of other lamps, or switching each luminaire or each lamp.

Exceptions:

☐ Only one luminaire in space.
☐ An occupant-sensing device controls the area.
☐ The area is a corridor, storeroom, restroom, public lobby or sleeping unit.
☐ Areas that use less than 0.6 Watts/sq.ft.

☐ 9. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.

Exceptions:

☐ Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.

☐ 10. Photocell/astronomical time switch on exterior lights.

Exceptions:

☐ Lighting intended for 24 hour use.

☐ 11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).

Exceptions:

☐ Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Section 5: Compliance Statement

Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC requirements in COMcheck Version 4.1.0.0 and to comply with the mandatory requirements in the Requirements Checklist.

O'Neil Newby - Designer ________ 8/30/18
Name - Title Signature Date

COMcheck Software Version 4.1.0.0

Mechanical Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
Project Title: Jim Ellis Cadillac - Main Building
Project Type: New Construction
Construction Site: 580 Peachtree Blvd, Atlanta, GA 30341
Owner/Agent:
Designer/Contractor:

Section 2: General Information

Building Location (for weather data): Chamblee, Georgia
Climate Zone: 3a

Section 3: Mechanical Systems List

Quantity	System Type & Description
2	RTU-1,2 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 250 kBtu/h. Proposed Efficiency = 80.00% Ec, Required Efficiency: 80.00 % Ec. Cooling: 1 each - Single Package DX Unit, Capacity = 114 kBtu/h, Air-Cooled Condenser, Air Economizer. Proposed Efficiency = 14.70 EER, Required Efficiency: 11.00 EER. Fan System: None
4	RTU-3,4,6,7 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 120 kBtu/h. Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et (or 78% AFUE). Cooling: 1 each - Single Package DX Unit, Capacity = 45 kBtu/h, Air-Cooled Condenser, Air Economizer. Proposed Efficiency = 14.00 SEER, Required Efficiency: 13.00 SEER. Fan System: None
1	RTU-5 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 200 kBtu/h. Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et (or 78% AFUE). Cooling: 1 each - Single Package DX Unit, Capacity = 88 kBtu/h, Air-Cooled Condenser, Air Economizer. Proposed Efficiency = 12.70 EER, Required Efficiency: 11.00 EER. Fan System: None
1	DSS-1 (Single Zone): Cooling: 1 each - Split System, Capacity = 18 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception: None. Proposed Efficiency = 15.30 SEER, Required Efficiency: 13.00 SEER. Fan System: None
1	CU/AHU-1 (Single Zone): Cooling: 1 each - Split System, Capacity = 9 kBtu/h, Air-Cooled Condenser, Unknown Economizer. Proposed Efficiency = 18.50 SEER, Required Efficiency: 13.00 SEER. Fan System: None
1	CU/AHU-2 (Single Zone): Cooling: 1 each - Split System, Capacity = 12 kBtu/h, Air-Cooled Condenser, Unknown Economizer. Proposed Efficiency = 18.50 SEER, Required Efficiency: 13.00 SEER. Fan System: None
1	CU/AHU-3 (Single Zone): Cooling: 1 each - Split System, Capacity = 24 kBtu/h, Air-Cooled Condenser, Unknown Economizer. Proposed Efficiency = 16.00 SEER, Required Efficiency: 13.00 SEER. Fan System: None
2	AHU/CU-4,5 (Single Zone): Heating: 1 each - Central Furnace, Electric, Capacity = 37 kBtu/h. No minimum efficiency requirement applies. Cooling: 1 each - Split System, Capacity = 49 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception: None. Proposed Efficiency = 16.50 SEER, Required Efficiency: 13.00 SEER. Fan System: None
1	AHU/CU-6 (Single Zone): Heating: 1 each - Central Furnace, Electric, Capacity = 20 kBtu/h. No minimum efficiency requirement applies. Cooling: 1 each - Split System, Capacity = 24 kBtu/h, Air-Cooled Condenser, Unknown Economizer. Proposed Efficiency = 14.00 SEER, Required Efficiency: 13.00 SEER. Fan System: None
4	RH-1,2,3,4 (Single Zone): Heating: 1 each - Radiant Heater, Gas, Capacity = 65 kBtu/h. No minimum efficiency requirement applies. Fan System: None
1	H-1 (Unknown): Heating: 1 each - Unit Heater, Electric, Capacity = 10 kBtu/h. No minimum efficiency requirement applies. Fan System: None
1	EWH-1: Electric Storage Water Heater, Capacity: 20 gallons w/ Circulation Pump. No minimum efficiency requirement applies.

Section 4: Requirements Checklist

Requirements Specific To: RTU-1,2 :

☐ 1. Equipment minimum efficiency: Central Furnace (Gas): 80.00 % Ec
☐ 2. Equipment minimum efficiency: Single Package Unit: 11.00 EER
☐ 3. Integrated economizer is required for this location and system.
☐ 4. Cooling system provides a means to relieve excess outdoor air during economizer operation.
☐ 5. Hot gas bypass prohibited unless system has multiple steps of unloading or continuous capacity modulation.
☐ 6. Hot gas bypass limited to 50% of total cooling capacity.

Requirements Specific To: RTU-3,4,6,7 :

☐ 1. Equipment minimum efficiency: Central Furnace (Gas): 80.00 % Et (or 78% AFUE)
☐ 2. Equipment minimum efficiency: Single Package Unit: 13.00 SEER

Requirements Specific To: RTU-5 :

☐ 1. Equipment minimum efficiency: Central Furnace (Gas): 80.00 % Et (or 78% AFUE)
☐ 2. Equipment minimum efficiency: Single Package Unit: 11.00 EER
☐ 3. Integrated economizer is required for this location and system.
☐ 4. Cooling system provides a means to relieve excess outdoor air during economizer operation.
☐ 5. Hot gas bypass prohibited unless system has multiple steps of unloading or continuous capacity modulation.
☐ 6. Hot gas bypass limited to 50% of total cooling capacity.

Requirements Specific To: DSS-1 :

☐ 1. Equipment minimum efficiency: Split System: 13.00 SEER

Requirements Specific To: CU/AHU-1 :

☐ 1. Equipment minimum efficiency: Split System: 13.00 SEER

Requirements Specific To: CU/AHU-2 :

☐ 1. Equipment minimum efficiency: Split System: 13.00 SEER

Requirements Specific To: CU/AHU-3 :

☐ 1. Equipment minimum efficiency: Split System: 13.00 SEER

Requirements Specific To: AHU/CU-4,5 :

☐ 1. Equipment minimum efficiency: Split System: 13.00 SEER
☐ 2. Newly purchased equipment meets the efficiency requirements.

Requirements Specific To: AHU/CU-6 :

☐ 1. Equipment minimum efficiency: Split System: 13.00 SEER
☐ 2. Newly purchased equipment meets the efficiency requirements.

Requirements Specific To: RH-1,2,3,4 :
None

Requirements Specific To: H-1 :
None

Requirements Specific To: EWH-1 :

☐ 1. Water heating equipment meets minimum efficiency requirements: No efficiency requirements for water heater with storage capacity less than 20 gallons.
☐ 2. All piping in circulating system insulated.
☐ 3. Hot water storage temperature controls that allow setpoint of 90°F for non-dwelling units and 110°F for dwelling units.
☐ 4. Automatic time control of heat tapes and recirculating systems present.
☐ 5. Controls will shut off operation of circulating pump between water heater/boiler and storage tanks within 5 minutes after end of heating cycle.

Generic Requirements: Must be met by all systems to which the requirement is applicable:

☐ 1. Plant equipment and system capacity no greater than needed to meet loads.
Exception(s):
☐ Standby equipment automatically off when primary system is operating.
☐ Multiple units controlled to sequence operation as a function of load.
☐ 2. Minimum one temperature control device per system.
☐ 3. Minimum one humidity control device per installed humidification/dehumidification system.
☐ 4. Load calculations per ASHRAE/ACCA Standard 183.
☐ 5. Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup
Exception(s):
☐ Continuously operating zones.
☐ 6. Outside-air source for ventilation; system capable of reducing OSA to required minimum.
☐ 7. R-5 supply and return air duct insulation in unconditioned spaces. R-8 supply and return air duct insulation outside the building. R-8 insulation between ducts and the building exterior when ducts are part of a building assembly.
Exception(s):
☐ Ducts located within equipment.
☐ Ducts with interior and exterior temperature difference not exceeding 15°F.
☐ 8. Mechanical fasteners and sealants used to connect ducts and air distribution equipment.
☐ 9. Ducts sealed - longitudinal seams on rigid ducts; transverse seams on all ducts; UL 181A or 181B tapes and mastics.
☐ 10. Hot water pipe insulation: 1.5 in. for pipes <=1.5 in. and 2 in. for pipes >1.5 in. Chilled water/refrigerant/brine pipe insulation: 1.5 in. for pipes <=1.5 in. and 1.5 in. for pipes >1.5 in. Steam pipe insulation: 1.5 in. for pipes <=1.5 in. and 3 in. for pipes >1.5 in.
Exception(s):
☐ Piping within HVAC equipment.
☐ Fluid temperatures between 55 and 105°F.
☐ Fluid not heated or cooled with renewable energy.
☐ Piping within room fan-coil (with AHRI440 rating) and unit ventilators (with AHRI840 rating).
☐ Runouts <4 ft in length.
☐ 11. Operation and maintenance manual provided to building owner.
☐ 12. Thermostatic controls have 5°F deadband.
Exception(s):
☐ Thermostats requiring manual changeover between heating and cooling.
☐ Special occupancy or special applications where wide temperature ranges are not acceptable and are approved by the authority having jurisdiction.
☐ 13. Balancing devices provided in accordance with IMC 603.17.
☐ 14. Demand control ventilation (DCV) present for high design occupancy areas (>40 person/1000 ft2 in spaces >500 ft2) and served by systems with any one of 1) an air-side economizer, 2) automatic modulating control of the outdoor air damper, or 3) a design outdoor airflow greater than 3000 cfm.
Exception(s):
☐ Systems with heat recovery.
☐ Multiple-zone systems without DDC of individual zones communicating with a central control panel.

☐ Systems with a design outdoor airflow less than 1200 cfm.
☐ Spaces where the supply airflow rate minus any makeup or outgoing transfer air requirement is less than 1200 cfm.
☐ 15. Motorized, automatic shutoff dampers required on exhaust and outdoor air supply openings.
Exception(s):
☐ Gravity dampers acceptable in buildings <3 stories.
☐ 16. Automatic controls for freeze protection systems present.
☐ 17. Exhaust air energy recovery included for systems 5,000 cfm or greater with more than 70% outside air fraction or specifically exempted.
Exception(s):
☐ Hazardous exhaust systems, commercial kitchen and clothes dryer exhaust systems that the International Mechanical Code prohibits the use of energy recovery systems.
☐ Systems serving spaces that are heated and not cooled to less than 60°F.
☐ Where more than 60 percent of the outdoor heating energy is provided from site-recovered or site solar energy.
☐ Heating systems in climates with less than 3600 HDD.
☐ Cooling systems in climates with a 1 percent cooling design wet-bulb temperature less than 64°F.
☐ Systems requiring dehumidification that employ energy recovery in series with the cooling coil.
☐ Laboratory fume hood exhaust systems that have either a variable air volume system capable of reducing exhaust and makeup air volume to 50 percent or less of design values or, a separate make up air supply meeting the following makeup air requirements: a) at least 75 percent of exhaust flow rate, b) heated to no more than 2°F below room setpoint temperature, c) cooled to no lower than 3°F above room setpoint temperature, d) no humidification added, e) no simultaneous heating and cooling.

Section 5: Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2009 IECC requirements in COMcheck Version 4.1.0.0 and to comply with the mandatory requirements in the Requirements Checklist.

O'Neil Newby - Designer ________ 8/30/18
Name - Title Signature Date

Section 6: Post Construction Compliance Statement

☐ HVAC record drawings of the actual installation, system capacities, calibration information, and performance data for each equipment provided to the owner.
☐ HVAC O&M documents for all mechanical equipment and system provided to the owner by the mechanical contractor.
☐ Written HVAC balancing and operations report provided to the owner.

The above post construction requirements have been completed.

Principal Mechanical Designer-Name ________ Signature ________ Date

COMCHECK ENVELOPE

COMcheck Software Version 4.0.8.1

Envelope Compliance Certificate

Project Information

Energy Code: 90.1 (2007) Standard
Project Title: Jim Ellis Cadillac
Location: Chamblee, Georgia
Climate Zone: 3a
Project Type: Addition
Vertical Glazing / Wall Area: 26%

Construction Site: 5880 Peachtree Boulevard, Atlanta, GA 30341

Owner/Agent: Steven Ellis, PRO Building Systems, 3678 North Peachtree Road, Atlanta, GA 30341, 770.455.1791, stellis@probldg.com

Designer/Contractor: Andres Alvarez, YSM Design, P.C., 1320 Ellsworth Industrial Blvd, Suite A-100, Atlanta, GA 30318, 404.249.4555, aalvarez@ysmdesign.com

Building Area	Floor Area
1-Showroom & Service Reception (Retail) : Nonresidential	11053
2-Executive & Admin (Office) : Nonresidential	

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Showroom Slab: Slab-On-Grade:Unheated, [Bldg. Use 1 - Showroom & Service Reception] (c)	455	---	---	0.730	0.730
Showroom Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Showroom & Service Reception]	10612	---	25.0	0.039	0.048
Exterior Wall - Showroom Front: Steel-Framed, 16" o.c., [Bldg. Use 1 - Showroom & Service Reception]	3217	19.0	0.0	0.109	0.084
Frame F40: Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID P-KAW-43582, SHGC 0.30, PF 0.12, [Bldg. Use 1 - Showroom & Service Reception] (b)	1735	---	---	0.402	0.500
Exterior Wall - NVD Front: Steel-Framed, 16" o.c., [Bldg. Use 1 - Showroom & Service Reception]	258	19.0	0.0	0.109	0.084
Exterior Wall - Showroom Left Side: Steel-Framed, 16" o.c., [Bldg. Use 1 - Showroom & Service Reception]	2106	19.0	0.0	0.109	0.084
Frame F40: Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID P-KAW-26058, SHGC 0.24, PF 0.48, [Bldg. Use 1 - Showroom & Service Reception] (b)	58	---	---	0.390	0.500
Door N100a: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID P-KAW-26058, SHGC 0.24, PF 0.48, [Bldg. Use 1 - Showroom & Service Reception] (b)	47	---	---	0.400	0.900
Frame F41: Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID P-KAW-26058, SHGC 0.27, [Bldg. Use 1 - Showroom & Service Reception] (b)	84	---	---	0.390	0.500
Door N103c: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf.	108	---	---	0.400	0.900

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Specs.: Product ID P-KAW-26058, SHGC 0.24, PF 0.48, [Bldg. Use 1 - Showroom & Service Reception] (b)					
Door N103d: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID P-KAW-26058, SHGC 0.24, PF 0.48, [Bldg. Use 1 - Showroom & Service Reception] (b)	108	---	---	0.400	0.900
Frame F42: Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID P-KAW-26058, SHGC 0.27, [Bldg. Use 1 - Showroom & Service Reception] (b)	33	---	---	0.390	0.500
Frame F50: Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID P-KAW-43582, SHGC 0.30, PF 0.12, [Bldg. Use 1 - Showroom & Service Reception] (b)	261	---	---	0.402	0.500
Exterior Wall - Office Left Side: Steel-Framed, 16" o.c., [Bldg. Use 2 - Executive & Admin]	622	19.0	0.0	0.109	0.084
Exterior Wall - Office Rear: Steel-Framed, 16" o.c., [Bldg. Use 2 - Executive & Admin]	336	19.0	0.0	0.109	0.084
Exterior Wall - NVD Rear: Steel-Framed, 16" o.c., [Bldg. Use 1 - Showroom & Service Reception]	258	19.0	0.0	0.109	0.084
Exterior Wall - Showroom Rear: Steel-Framed, 16" o.c., [Bldg. Use 1 - Showroom & Service Reception]	159	19.0	0.0	0.109	0.084
Exterior Wall - Office Right Side: Steel-Framed, 16" o.c., [Bldg. Use 2 - Executive & Admin]	822	19.0	0.0	0.109	0.084
Exterior Wall - Showroom Left Side copy 1: Steel-Framed, 16" o.c., [Bldg. Use 1 - Showroom & Service Reception]	1639	19.0	0.0	0.109	0.084
Frame F43 (a): Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID P-KAW-26058, SHGC 0.27, [Bldg. Use 1 - Showroom & Service Reception] (b)	39	---	---	0.390	0.500
Door N101a: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID P-KAW-26058, SHGC 0.24, [Bldg. Use 1 - Showroom & Service Reception] (b)	105	---	---	0.400	0.900
Frame F43 (b): Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID P-KAW-26058, SHGC 0.27, [Bldg. Use 1 - Showroom & Service Reception] (b)	39	---	---	0.390	0.500
Door N101b: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID P-KAW-26058, SHGC 0.24, [Bldg. Use 1 - Showroom & Service Reception] (b)	105	---	---	0.400	0.900
Door N124b: Insulated Metal, Swinging, [Bldg. Use 1 - Showroom & Service Reception]	24	---	---	0.130	0.700

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 1% better than code

Envelope 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 systems have been designed to meet the 90.1 (2007) Standard requirements in COMcheck Version 4.0.8.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

T. Frank Lyle, Jr. - Senior Job Captain ________ *T. Frank Lyle, Jr.* ________ 28 June 2018
Name - Title Signature Date

ASHRAE 90.1 ENVELOPE SUMMARY

PROJECT LOCATION	CHAMBLEE, GEORGIA
CLIMATE ZONE	3A
CODE EDITION	2007
ComCheck PERFORMED?	YES
(IF YES, DEFER TO REPORT)	
SEMI-HEATED SPACE	
BUILDING ENVELOPE REQUIREMENTS: TABLE 5.5-1	
MEMBRANE ROOFS	R=25 MIN.
METAL BUILDING ROOFS	N/A
MASS WALLS (ABOVE GRADE)	N/A
METAL STUD WALLS	R=19 MIN. IN CAVITIES
METAL BUILDING WALLS	N/A
WALLS (BELOW GRADE)	N/A
SLAB ON GRADE PERIMETER INSULATION	NONE
OPAQUE SWINGING DOORS	SEE COMCHECK REPORT
OPAQUE OVERHEAD DOORS	SEE COMCHECK REPORT
STOREFRONT / CURTAINWALL ASSEMBLY	SEE COMCHECK REPORT
STOREFRONT / CURTAINWALL SHGC	SEE COMCHECK REPORT
STOREFRONT ENTRANCE DOOR	SEE COMCHECK REPORT
OH DOOR GLAZED > 50% (502.3 OTHER)	SEE COMCHECK REPORT
OH GLAZED DOOR SHGC	SEE COMCHECK REPORT

YSM DESIGN
RETAIL AUTOMOTIVE ARCHITECTURE
1320 Ellsworth Industrial Blvd
Suite A-100
Atlanta GA 30318
404-249-4555 tel
404-355-6394 fax
www.ysmdesign.com

RELEASED FOR CONSTRUCTION

Signed & Sealed: *31 AUG 2018*

Copyright (c) 2018 YSM Design, P.C.

All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by YSM Design, P.C. shall retain all common law, statutory, and other reserved rights, including copyright thereto.

This drawing may not be reproduced in whole or in part without written permission of YSM Design, P.C. It shall be returned upon request. Scales as stated are only valid on the original drawings.

Rev	Date	Comments

BID SET

Every Contractor or Subcontractor, by submitting a bid for this project declares that they have reviewed all aspects of this project and have included all work required to provide a complete project that meets all building codes.

If questions or discrepancies are found between trades, these should be submitted by the bidding General Contractor as a Request For Information before bids are due. These clarifications will be issued to all Bidders in Addenda. No consideration will be given after the bid date for issues that could clearly have been answered during the Bidding Period.

Information to all Bidders:
For more information about this bid, including: a list of the most current documents, Instructions to Bidders, Responsibility Chart, answers to RFI, etc., go to project website. Note this address will be provided to bidders with invitation to bid.

It is the responsibility of ALL Bidders to become familiar with this site and the additional information that is contained there. If you do not have access to the internet you MUST contact your General Contractor for this information. No Change Orders will be accepted for not reviewing this information.

No consideration will be given for Change Order Requests based on any of the following:
1. Items requiring clarification but not clearly indicated as an exception on the initial bid.
2. Items requiring clarification but not submitted to Architect as a request for information during bidding.
3. Items deemed to be industry standard for a particular system or assembly.
4. Items that can reasonably be inferred or assumed from contract documents.

PRO BUILDING SYSTEMS
DESIGN BUILD CONTRACTORS

Client:
JIM ELLIS CADILLAC
5880 PEACHTREE BLVD
ATLANTA, GA 30341

Project:
JIM ELLIS CADILLAC
5880 PEACHTREE BLVD
ATLANTA, GA 30341

Project Number: *18020*
Drawn By: *TFL*
Checked By: *AEA*
Approved By: *YSM*

Sheet Title:
ENERGY ANALYSIS

Sheet Number:
A007

D:\esaenz\2018\...\JIM ELLIS CADILLAC_esanchez.rvt
8/31/2018 3:5... PM

Order Plans @ WWW.LDLine.com