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Envelope Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
 Project Title: Palmettos On The Bayou Copy 2
 Project Type: New Construction

Construction Site:
 1901 Bayou Lane
 Slidell, Louisiana 70458

Owner/Agent:
 Duffel Ramirez
 Palmettos On The Bayou
 1901 Bayou Lane
 Slidell, Louisiana 70458
 985-445-5705
 duffeir@gmial.com

Designer/Contractor:
 Charles Dammon
 Dammon Engineering
 554 Old Spanish Trail
 Slidell, Louisiana 70458
 9856495832
 chuck@dammonengineering.com

Building Location (for weather data):
 Climate Zone:

Slidell, Louisiana

**REVIEWED FOR
 STATE FIRE MARSHAL
 AS PER REVIEW LETTER
 BY ERIC W. RILEY ARCHITECT**

Building Use: Activity Type(s) **Floor Area**
 1-Restrooms (Dining: Bar Lounge/Leisure) Non-Residential 11200 sq ft

Section 2: Envelope Assemblies and Requirements Checklist

Envelope PASSES: Design 2% better than code.

Envelope Assemblies:

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor ^(a)
Roof: Attic Roof, Wood Joists, [Bldg. Use 1 - Restrooms]	1077	30.0	30.0	0.017	0.027
Ext. Wall: Concrete Block, 6in., Solid Grouted, Light Density , Furring: Wood, [Bldg. Use 1 - Restrooms]	787	19.0	19.0	0.028	0.151
Floor: Unheated Slab-On-Grade, [Bldg. Use 1 - Restrooms]	654	---	---	---	---

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

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.

Section 3: 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 system has been designed to meet the 2009 IECC requirements in COMcheck-Web and to comply with the mandatory requirements in the Requirements Checklist.

Chuck Dammon
Name - Title

Chuck Dammon
Signature

03-05-2024
Date



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Interior Lighting Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
 Project Title: Palmettos On The Bayou Copy 2
 Project Type: New Construction

Construction Site: 1901 Bayou Lane Slidell, Louisiana 70458	Owner/Agent: Duffel Ramirez Palmettos On The Bayou 1901 Bayou Lane Slidell, Louisiana 70458 985-445-5705 duffair@gmial.com	Designer/Contractor: Charles Dammon Dammon Engineering 554 Old Spanish Trail Slidell, Louisiana 70458 9856495832 chuck@dammonengineering.com
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Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
Restrooms (Dining: Bar Lounge/Leisure)	787	1.3	1023
Total Allowed Watts =			1023

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)
Restrooms (Dining: Bar Lounge/Leisure, 787 sq.ft.) LED: LED A Lamp 2.5W:	1	15	3	45
Total Proposed Watts =			45	

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STATE FIRE MARSHAL
AS PER REVIEW LETTER
BY ERIC M. RILEY, ARCHITECT**

Section 4: Requirements Checklist

Interior Lighting PASSES: Design 96% better than code.

Lighting Wattage:

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

Allowed Watts	Proposed Watts	Complies
1023	45	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-Web and to comply with the mandatory requirements in the Requirements Checklist.

Chuck Dammon

Name - Title

Chuck Dammon

Signature

03-05-2024

Date



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Exterior Lighting Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
 Project Title: Palmettos On The Bayou Copy 2
 Project Type: New Construction
 Exterior Lighting Zone: 1 (Developed rural area (LZ1))

Construction Site: 1901 Bayou Lane Slidell, Louisiana 70458	Owner/Agent: Duffel Ramirez Palmettos On The Bayou 1901 Bayou Lane Slidell, Louisiana 70458 985-445-5705 duffeir@gmial.com	Designer/Contractor: Charles Dammon Dammon Engineering 554 Old Spanish Trail Slidell, Louisiana 70458 9856495832 chuck@dammonengineering.com
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Section 2: Exterior Lighting Area/Surface Power Calculation

A Exterior Area/Surface	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B x C)	F Proposed Watts
Restroom (Illuminated area of facade wall or surface)	6 ft2	0	No	0	18
				Total Tradable Watts* =	0
				Total Allowed Watts =	0
				Total Allowed Supplemental Watts** =	500

* Wattage tradeoffs are only allowed between tradable areas/surfaces.
 ** A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Section 3: Exterior Lighting Fixture Schedule

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 AS PER REVIEW LETTER
 BY: ERIC M. RILEY ARCHITECT

Eric M. Riley

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)	
Restroom (Illuminated area of facade wall or surface - 6 ft2) Non-tradable Wattage LED: LED A Lamp 2.5W:	1	6	3	18	
				Total Tradable Proposed Watts =	0

Section 4: Requirements Checklist

Lighting Wattage:

- 1. Within each non-tradable area/surface, total proposed watts must be less than or equal to total allowed watts. Across all tradable areas/surfaces, total proposed watts must be less than or equal to total allowed watts.

Compliance: Passes.

Controls, Switching, and Wiring:

- 2. All exemption claims are associated with fixtures that have a control device independent of the control of the nonexempt lighting.
- 3. Lighting not designated for dusk-to-dawn operation is controlled by either a a photosensor (with time switch), or an astronomical time switch.
- 4. Lighting designated for dusk-to-dawn operation is controlled by an astronomical time switch or photosensor.
- 5. All time switches are capable of retaining programming and the time setting during loss of power for a period of at least 10 hours.

Exterior Lighting Efficacy:

- 6. All exterior building grounds luminaires that operate at greater than 100W have minimum efficacy of 60 lumen/watt.

Exceptions:

- Lighting that has been claimed as exempt and is identified as such in Section 3 table above.
- Lighting that is specifically designated as required by a health or life safety statute, ordinance, or regulation.
- Emergency lighting that is automatically off during normal building operation.
- Lighting that is controlled by motion sensor.

Exterior Lighting PASSES: Design 0.0% better than code.

Section 5: Compliance Statement

Compliance Statement: The proposed exterior 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-Web and to comply with the mandatory requirements in the Requirements Checklist.

<u>Chuck Dammon</u>	<u>Chuck Dammon</u>	<u>03-05-2024</u>
Name - Title	Signature	Date



Generated by **COMcheck-Web Software**

Mechanical Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
Project Title: Palmettos On The Bayou Copy 2
Project Type: New Construction

Construction Site:
1901 Bayou Lane
Slidell, Louisiana 70458

Owner/Agent:
Duffel Ramirez
Palmettos On The Bayou
1901 Bayou Lane
Slidell, Louisiana 70458
985-445-5705
duffeir@gmial.com

Designer/Contractor:
Charles Dammon
Dammon Engineering
554 Old Spanish Trail
Slidell, Louisiana 70458
9856495832
chuck@dammonengineering.com

Section 2: General Information

Building Location (for weather data): Slidell, Louisiana
Climate Zone: 2a

Section 3: Mechanical Systems List

Quantity System Type & Description

Section 4: Requirements Checklist

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-Web and to comply with the mandatory requirements in the Requirements Checklist.

Chuck Dammon

Name - Title

Chuck Dammon

Signature

03-05-2024

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