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Envelope Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
 Project Title: Norton Earheart
 Project Type: Alteration

Construction Site:
 3102 Fern St
 NEW ORLEANS, Louisiana 70125

Owner/Agent:
 Timothy Norton
 5 Beverly Garden Drive
 Metairie, Louisiana 70001
 504-488-6668
 Geauxfish1@aol.com

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

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

Building Use: Activity Type(s) **Floor Area**
 1-Retail Space (Retail) : Nonresidential 2160

Section 2: Envelope Assemblies and Requirements Checklist

Envelope **PASSES**

Envelope Assemblies:

| Post-Alteration Assembly | R-Value | | Proposed | | Max. Allowed | |
|---|---------|-------|----------|------|--------------|------|
| | Cavity | Cont. | U-Factor | SHGC | U-Factor | SHGC |
| Roof: Metal Building, Standing Seam, [Bldg. Use 1 - Retail Space], Exemption: Neither sheathing nor insulation is exposed. | --- | --- | --- | --- | --- | --- |

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 alteration project represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope alteration project 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

05-09-25
 Date



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Interior Lighting Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
 Project Title: Norton Earheart
 Project Type: Alteration

Construction Site:
 3102 Fern St
 NEW ORLEANS, Louisiana 70125

Owner/Agent:
 Timothy Norton
 5 Beverly Garden Drive
 Metairie, Louisiana 70001
 504-488-6668
 Geauxfish1@aol.com

Designer/Contractor:
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Section 2: Interior Lighting and Power Calculation

| A Area Category | B Floor Area (ft ²) | C Allowed Watts / ft ² | D Allowed Watts (B x C) |
|-----------------------|---------------------------------------|---|-------------------------------|
| Retail Space (Retail) | 2160 | 1.5 | 3240 |
| Total Allowed Watts = | | | 3240 |

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) |
|---|------------------------|-----------------------|-----------------------|--------------|
| Retail Space (Retail, 2160 sq.ft.) LED: LED MR 2W: | 1 | 58 | 5 | 290 |
| Total Proposed Watts = | | | | 290 |

Section 4: Requirements Checklist

Interior Lighting PASSES

Lighting Wattage:

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

| Allowed Watts | Proposed Watts | Complies |
|---------------|----------------|----------|
| 3240 | 290 | Passes |

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 alteration project represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting alteration project has been designed to meet the 2009 IECC, Chapter 8, requirements in COMcheck-Web and to comply with the mandatory requirements in the Requirements Checklist.

David Dammon
Name - Title

Chuck Dammon
Signature

05-09-25
Date



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Exterior Lighting Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
Project Title: Norton Earheart
Project Type: Alteration
Exterior Lighting Zone: 4 (High activity metropolitan commercial district (LZ4))

Construction Site:
3102 Fern St
NEW ORLEANS, Louisiana 70125

Owner/Agent:
Timothy Norton
5 Beverly Garden Drive
Metairie, Louisiana 70001
504-488-6668
Geauxfish1@aol.com

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

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 |
|----------------------------|--------------------|---------------------------------|--------------------------|--------------------------------------|------------------------|
| Main entry | 2 ft of door width | 30 | Yes | 60 | 0 |
| | | | | Total Tradable Watts* = | 60 |
| | | | | Total Allowed Watts = | 60 |
| | | | | Total Allowed Supplemental Watts** = | 1300 |

* Wattage tradeoffs are only allowed between tradable areas/surfaces.

** A supplemental allowance equal to 1300 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Section 3: Exterior 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) | |
|---|------------------------|-----------------------|-----------------------|---------------------------------|---|
| Main entry (2 ft of door width): Tradable Wattage | | | | | |
| | | | | 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 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 100% 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.

David Dammon

Name - Title

Chuck Dammon

Signature

05-09-25

Date