



Generated by **COMcheck-Web Software**
Envelope Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
 Project Title: Sunbelt Rentals Inc
 Project Type: Alteration

Construction Site:
 632 TIME SAVER AVENUE
 Elmwood, Louisiana 70123

Owner/Agent:
 Byron Hill
 Sunbelt PM
 1799 Innovation Point
 Fort Mill, South Carolina 29715
 803-203-8112
 Byron.hill@sunbeltrentals.com

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

Building Location (for weather data):
 Climate Zone:

Harahan, Louisiana
 2a

<u>Building Use: Activity Type(s)</u>	<u>Floor Area</u>
1-Office/warehouse (Warehouse) : Nonresidential	3658

Section 2: Envelope Assemblies and Requirements Checklist

Envelope PASSES

Envelope Assemblies:

<u>Post-Alteration Assembly</u>	<u>R-Value</u>		<u>Proposed</u>		<u>Max. Allowed</u>	
	<u>Cavity</u>	<u>Cont.</u>	<u>U-Factor</u>	<u>SHGC</u>	<u>U-Factor</u>	<u>SHGC</u>
Floor: Unheated Slab-On-Grade, [Bldg. Use 1 - Office/warehouse]	---	---	inf	---	0.730	---

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

10-03-24
 Date

Project Notes:

This is a interior renovation only.



Generated by **COMcheck-Web Software**
Interior Lighting Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
 Project Title: Sunbelt Rentals Inc
 Project Type: Alteration

Construction Site:
 632 TIME SAVER AVENUE
 Elmwood, Louisiana 70123

Owner/Agent:
 Byron Hill
 Sunbelt PM
 1799 Innovation Point
 Fort Mill, South Carolina 29715
 803-203-8112
 Byron.hill@sunbeltrentals.com

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

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)
Office/warehouse (Warehouse)	3658	0.8	2926
Total Allowed Watts =			2926

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)
Office/warehouse (Warehouse, 3658 sq.ft.) Linear Fluorescent: 48" T8 28W (Super T8): Electronic:	2	64	2	128
Total Proposed Watts =				128

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
2926	128	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

10-03-24
Date



Generated by **COMcheck-Web Software**
Exterior Lighting Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
 Project Title: Sunbelt Rentals Inc
 Project Type: Alteration
 Exterior Lighting Zone: 2 (Light industrial area with limited nighttime use (LZ2))

Construction Site: 632 TIME SAVER AVENUE Elmwood, Louisiana 70123	Owner/Agent: Byron Hill Sunbelt PM 1799 Innovation Point Fort Mill, South Carolina 29715 803-203-8112 Byron.hill@sunbeltrentals.com	Designer/Contractor: Chuck 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
side yard (Entry canopy)	3 ft2	0.25	Yes	1	0
yard (Entry canopy)	4 ft2	0.25	Yes	1	12
Total Tradable Watts* =				2	12
Total Allowed Watts =				2	
Total Allowed Supplemental Watts** =				600	

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

** A supplemental allowance equal to 600 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)
side yard (Entry canopy, 3 ft2): Tradable Wattage				
yard (Entry canopy, 4 ft2): Tradable Wattage				
LED: LED A Lamp 2.5W:	1	6	2	12
Total Tradable Proposed Watts =				12

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 using supplemental allowance watts.

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 98% 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

10-03-24
Date



Generated by **COMcheck-Web Software**

Mechanical Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
Project Title: Sunbelt Rentals Inc
Project Type: Alteration

Construction Site:
632 TIME SAVER AVENUE
Elmwood, Louisiana 70123

Owner/Agent:
Byron Hill
Sunbelt PM
1799 Innovation Point
Fort Mill, South Carolina 29715
803-203-8112
Byron.hill@sunbeltrentals.com

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

Section 2: General Information

Building Location (for weather data): Harahan, 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 alteration project represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed mechanical 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

10-03-24
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