



Envelope Compliance Certificate

444812

90.1 (2007) Standard

Section 1: Project Information

Project Type: **Alteration**
Project Title : Stan Elmore

Construction Site:
62277 hwy 11
Slidell, LA 70458

Owner/Agent:
Stan Elmore
SLidell, LA 70458

Designer/Contractor:
Chuck Dammon
Dammon Engineering, Inc.
554 Old Spanish Trail
Slidell, LA 70458
985-649-5832
dammoneng@bellsouth.net

Section 2: General Information

Building Location (for weather data): **Slidell, Louisiana**
Climate Zone: **2a**
Building Type for Envelope Requirements: **Non-Residential**

Activity Type(s) **Floor Area**
office (Common Space Types:Office - Enclosed) 2412

Section 3: Requirements Checklist

Envelope PASSES

Climate-Specific Requirements:

Post-Alteration Assembly	R-Value		Proposed		Max. Allowed	
	Cavity	Cont.	U-Factor	SHGC	U-Factor	SHGC
Interior Wall 1: Steel-Framed, 16" o.c. Exemption: Cavity filled with minimum R-3/inch insulation	---	---	---	---	---	---

Insulation:

- 1. Open-blown or poured loose-fill insulation has not been used in attic roof spaces with ceiling slope greater than 3 in 12.
- 2. Wherever vents occur, they are baffled to deflect incoming air above the insulation.
- 3. Recessed lights, equipment and ducts are not affecting insulation thickness.
- 4. No roof insulation is installed on a suspended ceiling with removable ceiling panels.
- 5. All exterior insulation is covered with protective material.
- 6. Cargo and loading dock doors are equipped with weather seals.

Fenestration and Doors:

- 7. Windows and skylights are labeled and certified by the manufacturer for U-factor and SHGC.
- 8. Fixed windows and skylights unlabeled by the manufacturer have been labeled using the default U-factor and SHGC.
- 9. Other unlabeled vertical fenestration, operable and fixed, that are unlabeled by the manufacturer have been site labeled using the default U-factor and SHGC. No credit has been given for metal frames with thermal breaks, low-emissivity coatings, gas fillings, or insulating spacers.

Air Leakage and Component Certification:

- 10. All joints and penetrations are caulked, gasketed, weather-stripped, or otherwise sealed.
- 11. Windows, doors, and skylights certified as meeting leakage requirements.

- 12. Component R-values & U-factors labeled as certified.
- 13. 'Other' components have supporting documentation for proposed U-Factors.

Section 4: 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 90.1 (2007) Standard requirements in COMcheck Version 3.9.0 and to comply with the mandatory requirements in the Requirements Checklist.

CHUCK DAMMON
Name - Title

Chuck
Signature

1-14-14
Date



COMcheck Software Version 3.9.0

Interior Lighting and Power Compliance Certificate

90.1 (2007) Standard

Section 1: Project Information

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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)
office (Common Space Types:Office - Enclosed): Exempt			
Total Allowed Watts =			N/A

Area Category Exemption Qualifications

Activity Area	Total Wattage		Total Pre-Alt. Fixtures	# Fixtures Repl./Added
	Pre-Alt.	Post-Alt.		
office (Common Space Types:Office - Enclosed 2412 sq.ft.): Exemption: Less than 50% fixture replacement.	25	25	50	19

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 (Common Space Types:Office - Enclosed 2412 sq.ft.): Exempt Compact Fluorescent 1: Twin Tube 18W / Magnetic	2	75	20	1500
Total Proposed Watts =			N/A	

Section 4: Requirements Checklist

Lighting Wattage:

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

Allowed Watts	Proposed Watts	Complies
N/A	N/A	Passes

2. Exit signs 5 Watts or less per sign.

Controls, Switching, and Wiring:

3. Independent manual or occupancy sensing controls for each space (remote switch with indicator allowed for safety or security).
 4. Occupant sensing control in class rooms, conference/meeting rooms, and employee lunch and break rooms.

Exceptions:

- Spaces with multi-scene control; shop classrooms, laboratory classrooms, and preschool through 12th grade classrooms.
- 5. Automatic shutoff control for lighting in >5000 sq.ft buildings by time-of-day device, occupant sensor, or other automatic control.

Exceptions:

- 24 hour operation lighting; patient care areas; where auto shutoff would endanger safety or security.
- 6. Master switch at entry to hotel/motel guest room.
- 7. Separate control device for display/accent lighting, case lighting, task lighting, nonvisual lighting, lighting for sale, and demonstration lighting.
- 8. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).

Exceptions:

- Electronic high-frequency ballasts.
- Luminaires not on same switch.
- Recessed luminaires 10 ft. apart or surface/pendant not continuous.
- Luminaires on emergency circuits.

Voltage Drop:

- 9. Feeder conductors have been designed for a maximum voltage drop of 2 percent.
- 10. Branch circuit conductors have been designed for a maximum voltage drop of 3 percent.
- 11 Voltage drop analysis must include the parts of the existing system extending to the point of electrical supply at the transformer or service equipment entrance.

Interior Lighting PASSES

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 90.1 (2007) Standard, Chapter 8, requirements in COMcheck Version 3.9.0 and to comply with the mandatory requirements in the Requirements Checklist.

CHUCK DAMMON
Chick
1-14-14

Name - Title
Signature
Date

Section 5: Post Construction Compliance Statement

Record Drawings and Operating and Maintenance Manuals:

- 1. Construction documents with record drawings and operating and maintenance manuals provided to the owner.

Lighting Designer or Contractor Name
Signature
Date



COMcheck Software Version 3.9.0

Exterior Lighting Compliance Certificate

90.1 (2007) Standard

Section 1: Project Information

Project Type: **Alteration**
 Project Title : Stan Elmore

Construction Site:
 62277 hwy 11
 Slidell, LA 70458

Owner/Agent:
 Stan Elmore
 SLidell, LA 70458

Designer/Contractor:
 Chuck Dammon
 Dammon Engineering, Inc.
 554 Old Spanish Trail
 Slidell, LA 70458
 985-649-5832
 dammoneng@bellsouth.net

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/exit	2 ft of door width	30	Yes	60	65
Illuminated area of wall or surface	1875 ft2	0.2	No	375	280
Total Tradable Watts* =				60	65
Total Allowed Watts =				435	
Total Allowed Supplemental Watts** =				22	

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

** A supplemental allowance equal to 5% of total allowed wattage 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/exit (2 ft of door width): Tradable Wattage				
Incandescent 1: Incandescent 65W	1	1	65	65
Illuminated area of wall or surface (1875 ft2): Non-tradable Wattage				
HID 1: Metal Halide 70W / Standard	1	4	70	280
Total Tradable Proposed Watts =				65

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. All lighting fixtures are controlled by a photosensor or astronomical time switch that is capable of automatically turning off the fixture when sufficient daylight is available or the lighting is not required.



Mechanical Compliance Certificate

90.1 (2007) Standard

Section 1: Project Information

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Project Title : Stan Elmore

Construction Site:
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SLidell, LA 70458

Designer/Contractor:
Chuck Dammon
Dammon Engineering, Inc.
554 Old Spanish Trail
Slidell, LA 70458
985-649-5832
dammoneng@bellsouth.net

Section 2: General Information

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

Section 3: Mechanical Systems List

Quantity	System Type & Description
2	HVAC System 1: Cooling: 2 each - Split System, Capacity Unknown, Air-Cooled Condenser Exemption: Extensive ancillary requirements.

Section 4: Requirements Checklist

No Generic Requirements apply since there are no HVAC systems that require code compliance.

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 90.1 (2007) Standard, Chapter 8, requirements in COMcheck Version 3.9.0 and to comply with the mandatory requirements in the Requirements Checklist.





Name - Title _____ Signature _____ Date _____

Section 6: Post Construction Compliance Statement

- HVAC record drawings of the actual installation and performance data for each equipment provided to the owner within 90 days after system acceptance.
- HVAC O&M documents for all mechanical equipment and system provided to the owner within 90 days after system acceptance.
- Written HVAC balancing report provided to the owner.

The above post construction requirements have been completed.

 Principal Mechanical Designer-Name Signature Date



COMcheck Software Version 3.9.0

Mechanical Requirements Description

90.1 (2007) Standard

No Generic Requirements apply since there are no HVAC systems that require code compliance.