



COMcheck Software Version 4.1.5.1 Interior Lighting Compliance Certificate

Project Information
Energy Code: 90.1 (2016) Standard
Project Title: Bad Daddy's Burger Bar
Project Type: New Construction

Construction Site: Montgomery, AL 36117
Owner/Agent:
Designer/Contractor: Walter Rabinovich, RG Engineering INC, 8811 E. Hampden Ave, Suite 200, Denver, CO 80231, (303) 355-3534, Walter@rgecinc.com

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft²)	C Allowed Watts / ft²	D Allowed Watts (B X C)
1-Dining: Family	3795	0.78	2960
Total Allowed Watts =			2960

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Dining: Family				
LED 1: A: Pendant Light: Other	1	22	8	198
LED 2: B: Recessed LED: Other	1	36	18	624
Track lighting 1: C: Track light: Wattage based on 4 feet of track	0	0	120	120
Track lighting 2: C: Track light: Wattage based on 4 feet of track	0	0	120	120
Track lighting 3: C: Track light: Wattage based on 4 feet of track	0	0	120	120
Track lighting 4: C: Track light: Wattage based on 4 feet of track	0	0	120	120
Track lighting 5: C: Track light: Wattage based on 4 feet of track	0	0	120	120
Track lighting 6: C: Track light: Wattage based on 4 feet of track	0	0	120	120
Track lighting 7: C: Track light: Wattage based on 4 feet of track	0	0	120	120
Track lighting 8: C: Track light: Wattage based on 4 feet of track	0	0	120	120
Track lighting 9: C: Track light: Wattage based on 4 feet of track	0	0	120	120
LED 3: D: Pendant Light: Other	6	1	51	51
LED 4: F: 2' x 4' LED: Other	1	15	47	705
LED 5: F: 2' x 2' LED: Other	1	1	40	40
LED 6: E: Wall light: Other	1	2	11	22
LED 7: G: Vanity Light: Other	2	2	18	36
LED 8: K: Pendant Light: Other	1	7	9	63
LED 9: LB: Bar Side LED Rope Light: Other	1	1	42	42
LED 10: LC: Customer Side LED Rope Light: Other	1	1	48	48
Total Proposed Watts =				2509

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Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2016) Standard requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

WALTER RABONOVICH PE Signature Date: 02/10/2021

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COMcheck Software Version 4.1.5.1 Inspection Checklist

Energy Code: 90.1 (2016) Standard
Requirements: 0.0% were addressed directly in the COMcheck software
Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req. ID	Plan Review	Complies?	Comments/Assumptions
8.4.2, 8.4.1.1, 8.4.1.2, 8.7, [PR2]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder conductors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
4.2.2, 9.4.3, 9.7, [PR4]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

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Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10]	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.3 [EL11]	New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately in buildings with a digital control system the energy use is transmitted to a control system and displayed graphically.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.1 [EL17]	Automatic control requirements prescribed in Table 9.6.1, for the appropriate space type, are installed. Mandatory lighting controls (labeled as "REQ") and optional choice controls (labeled as "ADD1" and "ADD2") are implemented.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.1 [EL27]	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.1 [EL33]	Daylight areas under skylights and roof monitors that have more than 150 W combined input power for general lighting are controlled by photocenters.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.3 [EL47]	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.6.2 [EL87]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

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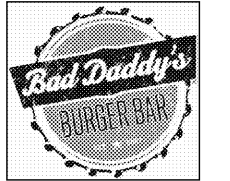
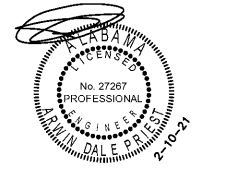
Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
8.7.1 [F16]	Furnished as-built drawings for electric power systems within 30 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
8.7.2 [F17]	Furnished O&M instructions for systems and equipment to building owner's designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.2.2.3 [F18]	Interior installed lamp and fixture lighting power consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the interior lighting fixture schedule for values
9.4.4 [F20]	At least 75% of all permitted lighting fixtures in dwelling units have >= 55 lm/W efficacy or a >= 45 lm/W total luminaire efficacy.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

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I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 2583, EXPIRATION 05/24/21



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BAD DADDY'S BURGER BAR
"EASTCHASE"
MONTGOMERY, AL 36117

Issue Record:
4.23.2019 FOR PLAN REVIEW
05.06.2019 WALK-IN BOX
07.01.2019 CANOPY REVS
02.10.2020 TO GO REVS

Revisions:

Drawn:
DRAWN BY: VR

Checked:
CHECKED BY: WR

Project No.:
PROJECT#: 19-207

Contractor:

ENERGY COMPLIANCE



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