



Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: Shell - Cameron, NC
Project Type: New Construction
Exterior Lighting Zone: 2 (Neighborhood business district (LZ2))

Construction Site:
TBD NC-24
Cameron, North Carolina 28326

Owner/Agent:
Chris Neil
Primax Properties, LLC
1100 E Morehead St.
Charlotte, North Carolina 28204
704-905-2416

Designer/Contractor:
Richard T. Jones
National Engineering, LTD.
4635 Trueman Blvd.
Hilliard, Ohio 43026
6145467234
rtjones@nationalengineering.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Entry canopy	10 ft2	0.25	Yes	2
Outdoor sales area/lot	428 ft2	0.25	Yes	107
Drive-up windows/doors	1 windows	400	No	400
Parking area	17525 ft2	0.06	Yes	1052
Total Tradable Watts (a) =				1161
Total Allowed Watts =				1561
Total Allowed Supplemental Watts (b) =				600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.

(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
<u>Entry canopy (10 ft2): Tradable Wattage</u>				
LED: X9: LED Channel Light: Other:	1	1	47	47
<u>Outdoor sales area/lot (428 ft2): Tradable Wattage</u>				
LED: X6: Exterior Flood Light: Other:	1	2	10	20
<u>Drive-up windows/doors (1 windows or doors): Non-tradable Wattage</u>				
LED: X6: Exterior Flood Light: Other:	1	2	10	20
LED: X9: LED Channel Light: Other:	1	1	47	47
<u>Parking area (17525 ft2): Tradable Wattage</u>				
LED: PL1: LED Pole Light: Other:	1	2	168	336
LED: PL2: LED Pole Light: Other:	2	1	168	168
LED: PL3: LED Pole Light: Other:	1	2	168	336
Total Tradable Proposed Watts =				907

Exterior Lighting 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 exterior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Richard T. Jones
Name - Title

Signature



Signed On
04/07/2025 4:38:24 PM
Date



Inspection Checklist

Energy Code: 2015 IECC

Requirements: 100.0% 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
C103.2 [PR8] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior 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	Requirement will be met.
C406 [PR9] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.5 [EL25] ^{null}	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C405.5.1 [FI19] ¹	Exterior lighting power is 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 Exterior Lighting fixture schedule for values.

Additional Comments/Assumptions: