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STARBUCKS TEMPLATE VERSION | 2019.01.11

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Timothy L. Harward, PE  
Professional Engineer  
License: 62078

FOR CONSTRUCTION

PROJECT NAME:  
**HARDEN & POLK**

PROJECT ADDRESS:  
**1310 LAKESIDE VILLAGE CIR  
LAKELAND, FL 33803**

STORE #: 2965  
PROJECT #: 21120-060  
ISSUE DATE: 08/10/2020  
DESIGNER: RAI MONTERO  
PRODUCTION DESIGNER: PAUL HARLOR  
CHECKED BY: RAI MONTERO

Revision Schedule		
Rev	Date	Description

SHEET TITLE:  
**ENERGY CALCULATIONS**  
SCALE: AS SHOWN

SHEET NUMBER:  
**EN-001**

COMcheck Software Version 4.1.1.0  
**Interior Lighting Compliance Certificate**

Project Information  
Energy Code: 2017 Florida Building Code, Energy Conservation  
Project Title: Starbucks Harden & Polk  
Project Type: Abatement

Construction Site: 1310 Lakeside Village Circle, Lakeland, FL 33803  
Owner/Agent: Starbucks Coffee Company, 2401 Utah Ave South, Seattle, WA 98134  
Design/Contractor: Tim Harward, Design Forum Engineering, 2058 Byrns Rd, Miamisburg, OH 45342, (644) 804-7700

Area	Floor Area (ft <sup>2</sup> )	Allowed Watts / Ft <sup>2</sup>	Allowed Watts (W x C)
Common Space Types Living Area - Bar Lounge/Entire	1550	1.0	1550
<b>Total Allowed Watts</b>			<b>1550</b>

Proposed Interior Lighting Power

Fixture ID	Description / Lamp / Wattage Per Lamp / Ballast	Watt	# of Fixtures	Watt
LED 1: 14410: LED Light Tape - 20W/ Other:		38	3	114
LED 2: 14410: LED Recessed Light Other:		9	10	90
LED 3: 16057: Recessed 2x4 Trough Other:		1	7	7
LED 4: 19110: Recessed Can Other:		1	30	30
LED 5: 19110: Recessed Can Other:		1	1	1
LED 6: 20743: Wall Sconce Other:		1	25	25
CLD 1: 15603: Track Lighting - Wall Mounting device - 100W/ Other:		3	1	3
<b>Total Proposed Watts</b>				<b>164</b>

Interior Lighting Compliance Statement  
Compliance Statement: The proposed interior lighting system presented in this document is consistent with the building plan, and other applicable codes and standards. The proposed interior lighting systems have been designed to meet the 2017 Florida Building Code, Energy Conservation requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

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Section #	Requirement	Completion	Comments/Assumptions
6-100.0	Lighting controls installed to uniformly reduce the lighting level by at least 50%.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Requirement will be met. <b>Location on plans/spec:</b> Sheets E-102 & E-401
440.2.1	Occupancy sensors installed in required spaces.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Requirement will be met. <b>Location on plans/spec:</b> Sheet E-102
440.2.2	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Requirement will be met. <b>Location on plans/spec:</b> Sheet E-102
440.2.3	Automatic controls to shut off all building lighting installed in all buildings.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Requirement will be met. <b>Location on plans/spec:</b> Sheets E-102 & E-401
440.2.4	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Exception: Daylight zones on first floor in Group A-2 and M occupancies. <b>Location on plans/spec:</b> Not
440.2.5	Primary daylight zones are equipped with required lighting controls.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Exception: Daylight zones on first floor in Group A-2 and M occupancies. <b>Location on plans/spec:</b> Not
440.2.6	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. <b>Location on plans/spec:</b> Not
440.2.7	Separate lighting control devices for specific areas installed per approved lighting plans.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Requirement will be met. <b>Location on plans/spec:</b> Sheet E-102
440.2.8	Additional interior lighting areas allowed for special functions per the approved lighting plans and is automatically controlled and is not manually controlled.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Requirement will be met. <b>Location on plans/spec:</b> Sheets E-102 & E-401
440.3	Exit signs do not exceed 5 watts per face.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Requirement will be met. <b>Location on plans/spec:</b> Sheet E-102

Additional Comments/Assumptions:

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COMcheck Software Version 4.1.1.0  
**Inspection Checklist**

Energy Code: 2017 Florida Building Code, Energy Conservation  
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 demonstrated, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section #	Requirement	Completion	Comments/Assumptions
440.3	Furnish O&M instructions for systems and equipment to the building owner or designated representative.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Requirement will be met.
440.3.1	Interior installed lamp and fixture information provided by the user in what is shown on the approved lighting plans and equipment information are less than or equal to allowed watts.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	See the interior lighting fixture schedule for values.
440.3.2	Fluorescent ballasts are listed on approved lighting plans and equipment information.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Requirement will be met.
440.3.3	Lighting equipment has been tested and approved for use.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Requirement will be met.
440.3.4	Lighting equipment is installed, tested, and approved for use.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Requirement will be met.
440.3.5	Lighting equipment is installed, tested, and approved for use.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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Section #	Requirement	Completion	Comments/Assumptions
440.3.1	Interior installed lamp and fixture information provided by the user in what is shown on the approved lighting plans and equipment information are less than or equal to allowed watts.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Applicable	See the interior lighting fixture schedule for values.
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Additional Comments/Assumptions:

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Order Plans