COM*check* Software Version 4.0.2.8

Interior Lighting Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
Project Title: BJ'S WHOLESALE CLUB
Project Type: Alteration

Construction Site:
513 Warren Ave
Portland, ME 04103

Owner/Agent:
BJ'S WHOLESALE CLUB
25 RESEARCH DR.
P.O. Box 5230
WESTBOROUGH, MA 01581

Designer/Contractor:
KLH ENGINEERS
1538 ALEXANDRIA PIKE
SUITE 11
FORT THOMAS, KY 41075
859-442-8050

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
Retail (Retail)	88338	1.5	132507
		Total Allowed Watts =	132507

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)
Retail (Retail 88338 sq.ft.)				
EX/ER: EX/ER: EXISTING HIGH BAY: 46" T5 HO 54W: Electronic:	6	196	294	57624
A4: A4: 4' HIGH BAY: 46" T5 HO 54W: Electronic:	3	58	147	8526
A2: A2: SIGN WASH: 46" T5 HO 54W: Electronic:	4	37	196	7252
A3: A3: SIGN WASH: 46" T5 HO 54W: Electronic:	2	3	98	294
B1/B1-EM: B1/B1-EM: RECESSED 2X4: 48" T8 28W (Super T8): Electronic:	3	2	88	176
B1 Existing: B1/B1-EM: RECESSED 2X4: 48" T8 28W (Super T8): Electronic:	3	3	88	264
G: G: VESTIBULE LIGHT: Other:	1	4	108	432
			Total Proposed Watts =	74568

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
132507	74568	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 COM*check* Version 4.0.2.8 and to comply with the mandatory requirements in the Requirements Checklist.

Stephen N. Federle, PE — Name - Title
Signature
Date

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Revisions

#	Date	Title
	03/14/2016	OWNER REVIEW
	03/21/2016	PERMIT/BID

STATE OF MAINE
STEPHEN N. FEDERLE
No. 14113
LICENSED PROFESSIONAL ENGINEER
MAR 22 2016

Client:
BJ'S WHOLESALE CLUB

BJS WHOLESALE CLUB
#029
PORTLAND, ME

DATE 03/21/2016
PROJECT NO. 17879

SHEET TITLE
ENERGY COMPLIANCE FORMS

SHEET NUMBER
E900