

Order Plans @ WWW.LDLINE.COM

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 2012 North Carolina Energy Conservation Code, Chapter 5, requirements as COMcheck Version 4.0.8.1 and to comply with the mandatory requirements in the Requirements Checklist.

Reece A. Prother - P.E., Principal
Name: Title Signature Date

Project Title: UNTUCKIt - Streets At Southpoint
Data Release: P:\UNT\180098\UNT-The Streets at Southpoint\Durham, NC\04_Consultant\04MEP\180098\COMCHECK.DWG.cak Page 6/7

COMcheck Software Version 4.0.8.1 Interior Lighting Compliance Certificate

Section 1: Project Information

Energy Code: 2012 North Carolina Energy Conservation Code
Project Title: UNTUCKIt - Streets At Southpoint
Project Type: Alteration

Construction Site: 6910 Fayetteville Road, Suite #1140, Durham, NC 27713
Owner/Agent: UNTUCKIt, 318 West Broadway, New York, NY 10012
Design/Consultant: North Carolina Energy New, 401-334-5145, 3750 West Broadway, Suite #100, New York, NY 10012

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (sq ft)	C Allowed Watts / ft ²	D Allowed Watts (B x C)
Sales & Fit. Rm (Retail Department Store Sales)		1.3	3428
Allowance: Furniture, clothing, accessories (Fix. 10: 1)	17109	0.8	48999
Allowance: Furniture, clothing, accessories (Fix. 10: 2)	15026	0.8	36065
Allowance: Other retail lighting (Fix. 10: 1)	5094	0.4	2038
Allowance: Other retail lighting (Fix. 10: 2)	5094	0.4	2038
Allowance: Other retail lighting (Fix. 10: 3)	18069	0.4	4806
Allowance: Other retail lighting (Fix. 10: 4)	5094	0.4	2038
Allowance: Other retail lighting (Fix. 10: 5)	3561	0.4	384
Stock/Ree. Space (Merchandise Stocking Only) (Exempt)	518	0.03	326
Restroom (Common Space Types Restroom) (Exempt)			
Total Allowed Watts =			2426

Activity Area: Restroom (Common Space Types Restroom) 87 sq ft. Electronic. Load from 30% fixture replacement. Total Wattage: Pre-Alt: 100, Post-Alt: 100, Total Pre-Alt: 1, # Fixtures Repl./Added: 0

Section 3: Interior Lighting Fixture Schedule

A Fixture ID: Description / Lamp / Wattage Per Lamp / Fixture	B Lamps / Fixture	C # of Fixtures	D Watts (C X D)	E
Sales & Fit. Rm (Retail Department Store Sales Area 1097 sq ft.)				
Filing Room Lighting: R-1: Single Lamp recessed LED: Other:	1	4	22	88
Sales Floor General Lighting: R-2: 2-Lamp Recessed LED: Other:	2	6	36	288
Recessed Downlight (E): Recessed Downlight (Other): Electronic:	1	6	46	276
Display Track Lighting: T-1: T-1' Heads: Wattage based on constant dimming device capacity	0	0	490	490
Storefront Track: (E): (E) Storefront Track: Wattage based on 8 foot of track	0	0	240	240
Sales Pendant: P-1: Globe Pendant: Recessed 60W	1	3	60	60
Sales Pendant: P-2: Globe Pendant: Recessed 60W	1	2	60	120
Total Proposed Watts =				2426

Section 4: Requirements Checklist

Lighting Wattage: 1. Total proposed watts meet or less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
2426	2426	Passes

Controls, Switching, and Wiring:

2. Separate lighting controls provided for: Display/General Lighting, Case Lighting, lighting for recreational applications (e.g., such as plant growth and food watering), lighting equipment that is for sale or for demonstration to lighting education.

3. Hotel and motel guest rooms and guest suites have a master control device at the main room entry that controls all permanently installed luminaires and switched receptacles.

4. Supplemental task lighting has a control device integral to the taskwork or be controlled by a wall-mounted control device provided the control device is readily accessible and located so that the occupant can see the controlled lighting.

5. Independent controls for each space (switch/occupancy sensor).

Exceptions:

Areas designated as security or emergency areas that need to be continuously illuminated.

Lighting in stairways or corridors that are elements of the egress of egress.

Individual dwelling units separately metered.

Medical task lighting or auxiliary display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.

Each space required to have a master control also allows for reducing the controlled lighting load by at least 50 percent by either controlling all luminaires, shuttling or alternate source 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 occupancy-sensing device controls the area.

The area is a corridor, shower, restroom, public lobby or sleeping unit.

Areas that are less than 0.6 Watts/ft².

Accessory lighting should control in buildings larger than 5,000 sq ft.

Exceptions:

Sleeping units, patient care areas, and spaces where accessible control would create safety or security.

Photocell/photocell time switch on exterior lights.

Exceptions:

Lighting intended for 24 hour use.

11. Fanless wood case-lamp and three-lamp ballasted luminaires (no single-lamp ballasts).

Exceptions:

Electronic high-frequency ballasts, luminaires on emergency circuits or with no replaceable part.

Lighting controls are based on sensors that control luminaires, components, equipment, and systems are calibrated, adjusted and operate in accordance with approved plans and specifications. Sequence of operation shall be functionally tested to ensure they operate in accordance with approved plans and specifications.

Project Title: UNTUCKIt - Streets At Southpoint
Data Release: P:\UNT\180098\UNT-The Streets at Southpoint\Durham, NC\04_Consultant\04MEP\180098\COMCHECK.DWG.cak Page 6/7

OWNER: **UNTUCKIt**
SHIRTS DESIGNED TO BE WORN UNTUCKED.
110 GREENE STREET, SUITE 400, DURHAM, NC, 27701

ARCHITECT / ENGINEER: **SHREMSHOCK**
North Carolina Firm License Number: #C-3048
7400 W. Campus Rd. Ste. 150 New Albany, OH 43054
1-614-545-6550 | F: 614-545-6550

PROJECT LOCATION:
THE STREETS AT SOUTHPOINT
6910 FAYETTEVILLE RD
SPACE#: 1140
DURHAM, NC 27713

DESIGN TYPE:

REVISIONS:

REQUIRED BY: DATE

DRAWN BY: JWH
CHECKED BY: KAH

Bid Set
TRCI
04.10.18

DRAWING TITLE:
ENERGY CODE FORMS

DATE ISSUED:
03/30/2018

PROJECT NO:
180088

DRAWING NO:
E6.0