



COMcheck Software Version 4.0.8.1
Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2007) Standard
 Project Title: Soft Surroundings - Biltmore Village
 Project Type: Alteration

Construction Site: 10 Brook Street, Asheville, NC 28803
 Owner/Agent: 90.1 (2007) Standard
 Designer/Contractor: M-Engineering, 750 Brookside Blvd, Westerville, OH 43081

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)	E (C X D)
1-Retail/Sales Area	3897	1.70	6625	
2-Common Space Types:Dressing/Locker/Fitting Room	402	0.80	241	
3-Common Space Types:Office - Enclosed	65	1.10	72	
4-Common Space Types:Corridor/Transition	387	0.50	194	
5-Common Space Types:Restrooms	163	0.90	147	
6-Common Space Types:Active Storage	810	0.80	488	
Total Allowed Watts =				7756

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-Retail/Sales Area (3897 sq.ft.)				
Sales Track Lighting #1: B/Y: Wattage based on current limiting device capacity	0	0	960	960
Sales Track Lighting #2: B/Y/BS: Wattage based on current limiting device capacity	0	0	480	480
Sales Track Lighting #3: B/BS: Wattage based on current limiting device capacity	0	0	600	600
SF Track Lighting #4: B: Wattage based on current limiting device capacity	0	0	240	240
SF Chandelier: Q: Chandelier: Other:	3	3	6	18
Cashwrap Light: J: Other:	1	2	8	15
Cashwrap Light: D: Other:	1	4	14	58
Cashwrap EM Light: DE/NL: EM/Night Light: Other:	2	2	32	64
Focal Point Light: N: Chandelier: LED Other Fixture Unit 16W:	1	1	14	14
Focal Point Driver: OCL: 96w Driver: Other:	8	1	16	16
Focal Point EM Light: H2E: EM/Night Light: Other:	1	2	98	192
Beauty Walk Sconce: BWS: Mirror Light: LED Other Fixture Unit 25W:	2	2	32	64
Beauty Light: X: Other:	1	2	25	50
Beauty General Light: H2F: Other:	2	14	32	448
Beauty General Light: H3F: Other:	3	8	48	384
Beauty General EM Light: H3FE: EM/Night Light: Other:	3	2	48	96
Beauty Display Light: F2L: Other:	1	3	7	21
Beauty Display Light: F3L: Other:	1	3	11	34
Beauty Display Light: F4L: Other:	1	19	15	289

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A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Beauty Chandelier: O: Chandelier: LED Other Fixture Unit 16W:	8	2	16	32
Strip Light Driver: GX3: 45w Driver: Other:	1	1	45	45
Strip Light Driver: GX2: 60w Driver: Other:	1	2	60	120
Sales EM Light: CE/NL: EM/Night Light: Other:	1	4	37	148
Common Space Types:Dressing/Locker/Fitting Room (402 sq.ft.)				
Fitting Room Mirror Light: FL1: Mirror Light: Other:	1	5	4	22
Fitting Room Mirror Light: FL3: Mirror Light: Other:	1	10	11	114
Fitting Room Mirror Light: FL4: Mirror Light: Other:	1	10	16	162
Fitting Room Chandelier: L: Chandelier: Other:	3	5	6	30
Fitting Room Light: V: Other:	1	1	10	10
Fitting Room Wall Sconce: R: Other:	2	4	4	16
Fitting Room EM Light: DE/NL: Other:	2	2	14	28
Fitting Room Light: H2: Other:	2	1	14	14
Fitting Room Light: H2: Other:	2	2	32	64
Fitting Room Chandelier: M: Chandelier: Other:	6	1	12	12
Fitting Room Light: H1D: LED Other Fixture Unit 16W:	1	8	16	128
Fitting Room Light: H2D: Other:	2	1	32	32
Common Space Types:Office - Enclosed (65 sq.ft.)				
Office Light: K1G: LED Other Fixture Unit 16W:	2	1	30	30
Common Space Types:Corridor/Transition (387 sq.ft.)				
Corridor Light: D: Other:	1	4	14	56
Corridor EM Light: DE/NL: EM/Night Light: Other:	1	4	14	56
Corridor Light: W: Other:	4	1	8	8
Corridor Light: H2: Other:	2	1	32	32
Corridor Wall Sconce: T: Other:	2	2	4	8
Corridor Chandelier: S: Chandelier: Other:	6	1	12	12
Corridor Closet Light: F4L: Other:	1	1	15	15
Common Space Types:Restrooms (163 sq.ft.)				
Restroom Light: W: Other:	4	2	8	16
Common Space Types:Active Storage (810 sq.ft.)				
Storage General Light: K: LED Panel 44W:	1	14	44	616
Storage General EM Light: K/NL: EM/Night Light: LED Panel 44W:	1	4	44	176
Total Proposed Watts =				8054

Interior Lighting PASSES
Interior Lighting Compliance Statement
 Compliance Statement: The proposed interior lighting alteration project 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 (2007) Standard requirements in COMcheck version 4.0.8.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.
 Patrick North - Designer Patrick North 04/02/2018
 Name - Title Signature Date

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ARCHITECTURAL LIGHT FIXTURE SCHEDULE BILTMORE VILLAGE, 3-15-18 RH

SYMBOL	MANUFACTURER CATALOG NUMBER	DESCRIPTION	TBIN COLOR	VOLTS/ WATTS	PROVIDED BY	LAMP	REMARKS
B/B	JNO RAGL 30K BOGR FOM FL HI	10W WHITE TRACK HEAD, FLOOD BEAM, BOK	WHITE	120V/ 10W	TARRANT	LED INCLUDED	SALES AREA GENERAL ILLUMINATION
B/S	CORTCHI CLTCT 350-P	15H WHITE TRACK HEAD, 5 DEGREE SPOT, BOK	WHITE	120V/ 50W	TARRANT	LED INCLUDED	SALES AREA ACCENT ILLUMINATION AT JEWELRY TABLE
CE/NL	CORTCHI HWP10H-262XG4W16T6	17" HWP10H CHROME WALL SCONCE	CHROME	120V/ 20W	TARRANT	BLUWIRE LED/2XIK/PLUSE/2/2	LOCATED IN BEAUTY BOTH SIDES OF MIRROR ABOVE SINK. MOUNT BOX AT 64" AFF.
D	CORTCHI RMC250K2D-ER / GR22-FL	4" DIA LED RECESSED DOWN LIGHT BHOOK WITH EMERGENCY BATTERY BACKUP, PLATINUM REFLECTOR	FLAT	120V/ 30W	TARRANT	LED INCLUDED	GENERAL ILLUMINATION IN FITTING ROOM CORRIDOR, CASHWRAP & TOILET ROOM CORRIDOR
DE/NL	CORTCHI RMC250K2D-ER / GR22-FL	4" DIA LED RECESSED DOWN LIGHT BHOOK WITH EMERGENCY BATTERY BACKUP, PLATINUM REFLECTOR	FLAT	120V/ 30W	TARRANT	LED INCLUDED	FITTING ROOM CORRIDOR & TOILET ROOM CORRIDOR GENERAL ILLUMINATION WITH EMERGENCY BATTERY BACKUP & NIGHT LIASABILITY
F1L	JESCO LIGHTING 56-LED-42-30-H	12 3/4" 4.5W LINEAR LED, FIXED, BHOOK	WHITE	120V/ 45W	TARRANT	JESCO LIGHTING LED INCLUDED	COORDINATE MOUNTING AND INSTALLATION WITH HELLVORX INSTALLER
F2L	JESCO LIGHTING 56-LED-24-30-H	22 3/4" 4.5W LINEAR LED, FIXED, BHOOK	WHITE	120V/ 105W	TARRANT	JESCO LIGHTING LED INCLUDED	COORDINATE MOUNTING AND INSTALLATION WITH HELLVORX INSTALLER
F3L	JESCO LIGHTING 56-LED-36-30-H	34 1/2" 4.5W LINEAR LED, FIXED, BHOOK	WHITE	120V/ 165W	TARRANT	JESCO LIGHTING LED INCLUDED	COORDINATE MOUNTING AND INSTALLATION WITH HELLVORX INSTALLER
F4L	JESCO LIGHTING 56-LED-48-30-H	46 1/4" 4.5W LINEAR LED, FIXED, BHOOK	WHITE	120V/ 225W	TARRANT	JESCO LIGHTING LED INCLUDED	COORDINATE MOUNTING AND INSTALLATION WITH HELLVORX INSTALLER
GX	ELMENTAL LED D1-LOADED-35-G5TH	(4) G5TH 1/4" LED STRIP IN CHANNEL WITH FROSTED CHANNEL COVER AND D2 9MM DRIVERS	RAM ALUM	24V/ 2200MA	TARRANT	LED INCLUDED	SEE ARCHITECTURAL DETAIL FOR MOUNTING LOCATIONS IN GOWES & PLANS FOR LENGTH
GX1	ELMENTAL LED D1-LOADED-35-G5TH	(8) G5TH 2MM LED STRIP IN CHANNEL WITH FROSTED CHANNEL COVER AND D2 9MM DRIVERS	RAM ALUM	24V/ 2200MA	TARRANT	LED INCLUDED	SEE ARCHITECTURAL DETAIL FOR MOUNTING LOCATIONS IN GOWES & PLANS FOR LENGTH
GX2	ELMENTAL LED D1-LOADED-35-G5TH	(4) G5TH 1/4" LED STRIP IN CHANNEL WITH FROSTED CHANNEL COVER AND D2 9MM DRIVERS	RAM ALUM	24V/ 2200MA	TARRANT	LED INCLUDED	SEE ARCHITECTURAL DETAIL FOR MOUNTING LOCATIONS IN GOWES & PLANS FOR LENGTH
GX3	ELMENTAL LED D1-LOADED-35-G5TH	(8) G5TH 1/4" LED STRIP IN CHANNEL WITH FROSTED CHANNEL COVER AND D2 9MM DRIVERS	RAM ALUM	24V/ 2200MA	TARRANT	LED INCLUDED	SEE ARCHITECTURAL DETAIL FOR MOUNTING LOCATIONS IN GOWES & PLANS FOR LENGTH WITH DIMMABLE DRIVER
H	CORTCHI RDM1230K250H40-P	ONE HEAD RECESSED ADJUSTABLE DOWNLIGHT, WHAT IT LED, NEUTRAL BEAM, BHOOK, WHITE	WHITE	120V/ 50W	TARRANT	LED INCLUDED	BEAUTY AREA LIGHTING
HD	CORTCHI RDM1230K250H40-P	ONE HEAD RECESSED ADJUSTABLE DOWNLIGHT, WHAT IT LED, NEUTRAL BEAM, BHOOK, WHITE	WHITE	120V/ 50W	TARRANT	LED INCLUDED	SITTING ROOM & FITTING ROOM LIGHTING
HD	CORTCHI RDM1230K250H40-P	ONE HEAD RECESSED MULTIPLE ADJUSTABLE DOWNLIGHT, WHAT IT LED, NEUTRAL BEAM, BHOOK, WHITE	WHITE	120V/ 50W	TARRANT	LED INCLUDED	FITTING ROOM CORRIDOR, TOILET ROOM CORRIDOR & RETREAT AREA LIGHTING
HD	CORTCHI RDM1230K250H40-P	ONE HEAD RECESSED MULTIPLE ADJUSTABLE DOWNLIGHT, WHAT IT LED, NEUTRAL BEAM, BHOOK, WHITE	WHITE	120V/ 50W	TARRANT	LED INCLUDED	ADA FITTING ROOM LIGHTING
HD	CORTCHI RDM1230K250H40-P-ER	ONE HEAD RECESSED MULTIPLE ADJUSTABLE DOWNLIGHT, WHAT IT LED, NEUTRAL BEAM, BHOOK, ELY DINNING WHITE, EMERGENCY BATTERY BACKUP	WHITE	120V/ 50W	TARRANT	LED INCLUDED	RETREAT AREA EMERGENCY LIGHTING

ARCHITECTURAL LIGHT FIXTURE SCHEDULE BILTMORE VILLAGE, 3-15-18 RH

SYMBOL	MANUFACTURER CATALOG NUMBER	DESCRIPTION	TBIN COLOR	VOLTS/ WATTS	PROVIDED BY	LAMP	REMARKS
HF	CORTCHI RDM1230K250H40-P	TWO HEAD RECESSED MULTIPLE ADJUSTABLE DOWNLIGHT, WHAT IT LED, FLOOD BEAM, BHOOK, WHITE	WHITE	120V/ 50W	TARRANT	LED INCLUDED	BEAUTY AREA LIGHTING
HF	CORTCHI RDM1230K250H40-P	THREE HEAD RECESSED MULTIPLE ADJUSTABLE DOWNLIGHT, WHAT IT LED, FLOOD BEAM, BHOOK, WHITE	WHITE	120V/ 48W	TARRANT	LED INCLUDED	BEAUTY AREA LIGHTING
HF	CORTCHI RDM1230K250H40-P-ER	THREE HEAD RECESSED MULTIPLE ADJUSTABLE DOWNLIGHT, WHAT IT LED, FLOOD BEAM, BHOOK, WHITE, EMERGENCY BATTERY BACKUP	WHITE	120V/ 48W	TARRANT	LED INCLUDED	BEAUTY AREA EMERGENCY LIGHTING
J	JNO ZLE1762A-8005-HVLEDRV628-HVLT2-NCAP	17 1/2" 2" LED ADJUSTABLE, BHOOK, SPOT, UNV, WHITE, REMODEL FRAME	WHITE	120V/ 17W	TARRANT	LED INCLUDED	BACK HRP AFF
K	HE HELLINGS T20-4-L50-805-0H-0V	4" FT LED STRIP, BHOOK	WHITE	48V/ 48W	TARRANT	LED INCLUDED	CHAIR BY CONTRACTOR HANG IN HOF CLOSET TO 64" AFF. VERIFY W/ ARCHITECT
K/L	HE HELLINGS T20-4-L50-805-0H-0V	4" FT LED STRIP, BHOOK	WHITE	48V/ 48W	TARRANT	LED INCLUDED	CHAIR BY CONTRACTOR HANG IN HOF CLOSET TO 64" AFF. VERIFY W/ ARCHITECT
L	HALVITE MULTIFLEX/305 / MULTIFLEX-35	1/4" LED TRACKER BOK BHOOK	WHITE	120V/ 30W	TARRANT	LED INCLUDED	OFFICE
M	HORIGAN LEDN REGARD H24-H2C	SILVER PLAYED B LAMP CHANDELIER WITH OYSTER WHITE HARD BACK LINER SHADE AND GLASS DROPS	SILVER	120V/ 80W	TARRANT	BLUWIRE LED/2XIK/PLUSE/2/2	LOCATED IN BEAUTY, FUTURE HEIGHT 21 POUNDS PROVIDE NECESSARY SUPPORT
N	JNO SLT-SAF-SPOT-30K-HVLT1-BZ	SPOT WITH 12" STEM	BROUSE	120V/ 10W	TARRANT	LED INCLUDED	FRONT OF STORE
O	CORTCHI - L14P-119-P1-L19-P	4'-0", 8'-0", 8'-0" NOMINAL SINGLE CIRCUIT, WHITE TRACK	WHITE	120V/ 10W	TARRANT	BLUWIRE LED/2XIK/PLUSE/2/2	SALES FLOOR
P	JNO ZLE1762C-8008-HVLEDRV628-HVLT2-NCAP	10W 2" LED DOWNLIGHT, BHOOK, FLOOD, UNV, WHITE, NEK CONST. MOUNT FRAME	WHITE	120V/ 10W	TARRANT	LED INCLUDED	FITTING ROOM ENTRY PORTAL
Q	ELK LIGHTING 62524	RENAISSANCE FLUSH MOUNT FIXTURE IN SILVER WITH 4 LAMPS	SHEET SILVER	120V/ 81W	TARRANT	BLUWIRE LED/2XIK/PLUSE/2/2	LOCATED IN TOILET ROOMS & TOILET ROOM CORRIDOR
X	JNO H0L6287L-HVTLK02E-60-WH-CP6	3H HMI LED SPHICAL PIGK LIGHT BK FLOOD, DOWNLIGHT, WHITE	WHITE	120V/ 100W	TARRANT	LED INCLUDED	MOUNTED TO FIXTURE SOFFIT ABOVE BEAUTY SINK
Y	CORTCHI CALIBREVD-P	20W HALL LIGHTER TRACK HEAD, BOK	WHITE	120V/ 20W	TARRANT	LED INCLUDED	HALL WASH TRACK HEAD CENTERED OR GRAYING FEATURE WALL
EM1	ENCORE P24-R-H	EMERGENCY LIGHT	WHITE	UN	TARRANT	INCLUDED (2) IS TRANSFER 5-4 H	BACK OF HOUSE NON-CUSTOMER SURFACE MOUNTED EMERGENCY LIGHTING
EM2	DUALITE P2-H	EMERGENCY LIGHT	WHITE	UN	TARRANT	INCLUDED (2) IS TRANSFER 5-4 H	SURFACE MOUNTED IN TOILET ROOMS ABOVE DOOR. MOUNT TO CEILING
EM3	ENCORE P24-R-H	EMERGENCY LIGHT	WHITE	UN	TARRANT	LED INCLUDED	SALES AREA CEILING MOUNTED EDGE LIT SIGN MOUNTING WITH ELECTRICAL SHEETS
EM4	ENCORE P24-R-H	EXIT EMERGENCY COMBO	WHITE	UN	TARRANT	INCLUDED (2) IS TRANSFER 5-4 H	BACK OF HOUSE NON-CUSTOMER SURFACE MOUNTED EMERGENCY LIGHTING & EXIT SIGN

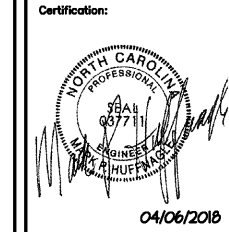
OWNER SUPPLIED DECORATIVE LEGEND BILTMORE VILLAGE, 3-12-18

SYMBOL	MANUFACTURER CATALOG NUMBER	DESCRIPTION	TBIN COLOR	VOLTS/ WATTS	PROVIDED BY	LAMP	REMARKS
L	GURRY CRYSTAL BID CHANDELIER #888 / 8938	FITTING ROOM CHANDELIER	-	-	OWNER	(B) 2H	MOUNT LCM POINT AT 82" AFF.
M	GURRY EMERGENCY CHANDELIER #024 / 8979	3-WAY MIRROR CHANDELIER	-	-	OWNER	(B) 2H	MOUNT LCM POINT AT 82" AFF.
N	GURRY LA CRYSTAL BID CHANDELIER #804 / 8244	RETREAT AREA CHANDELIER	-	-	OWNER	(B) 2H	MOUNT LCM POINT AT 80" AFF.
O	GURRY CRYSTAL BID SPHERE CHANDELIER #862	LEFT DISPLAY MIRROR CHANDELIER	-	-	OWNER	(B) 2H	MOUNT LCM POINT AT 74" AFF.
P	GURRY EMERGENCY WALL SCONCE #028-18 / 8944	FITTING ROOM CORRIDOR WALL SCONCE	-	-	OWNER	(D) 2H	MOUNT BOX HEIGHT AT 78" AFF.
Q	GURRY TISCAN CHANDELIER #828	SITTING ROOM CHANDELIER	-	-	OWNER	(B) 2H	MOUNT LCM POINT AT 80" AFF.
R	KATHY IRELAND RAMAS DE LICES DOUBLE WALL SCONCE #0220	SITTING ROOM WALL SCONCE	-	-	OWNER	(D) 2H	MOUNT BOX HEIGHT AT 78" AFF.

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Consultants: RETAIL DESIGN CONSULTANT



1-218-082



Soft Surroundings
 BILTMORE VILLAGE
 10 BROOK STREET
 SPACE #60
 ASHEVILLE, NC 28803
 4,740 SQUARE FEET

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 programming
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