

NO.	DESCRIPTION	DATE
1	PLAN CHECK	03/31/17
2	PLAN CHECK	03/03/17
7		05/19/17

DATE	SCALE	TITLE
DRAWN BY:	TITLE	TITLE
CHECKED BY:	TITLE	TITLE
PROJECT NO.	TITLE	TITLE

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
Project Name: WINTERHAVEN PUBLIC SAFETY FACILITY
Date Prepared: 2/23/2016
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The NRCC-LTO-02-E shall be used to document all mandatory outdoor lighting controls that are applicable to the project.

Mandatory Outdoor Lighting Control Declaration Statements
Check all that apply:

- Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §130.9(a).
- Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with §130.4(b).
- All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.1.
- Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b).
- All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
- All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Backlight, Uplight, and Glare (collectively referred to as "BUG") in accordance with Section 130.2(b).
- All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control in accordance with Section 130.2(c).
- All installed outdoor lighting shall be circuted and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c2).
- All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c3).
- For Outdoor Sales Frontage, Outdoor Sales Lots, and Outdoor Sales Canopies lighting, an automatic lighting control in accordance with Section 130.2(c4).
- For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control in accordance with Section 130.2(c5).
- Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4.(a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8.

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MANDATORY OUTDOOR LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

A	B	C	Standards Complying With (✓ all that apply, or enter "E" if Exempted)														
			D	E	F	G	H	I	N	O	Photometric Data, Annex A, Table 1	Field Inspection (Pass/Fail)					
Location and Application of Luminaires being controlled	Type/Description of Lighting Control (i.e. motion sensor, photocontrol, outdoor astronomical time-switch control, centralized time-based zone lighting control)	# of Units	(1) §130.9(a)	(2) §110.9	(3) §130.2(a)	(4) §130.2(b)	(5) §130.2(b)	(6) §130.2(b)	(7) §130.2(b)	(8) §130.2(b)	(9) §130.2(b)	(10) §130.2(b)	(11) §130.2(c)	(12) §130.2(c)	(13) §130.2(c)	(14) §130.2(c)	(15) §130.2(c)

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Milton C. Niederhaus
Signature Date: 2/23/2016
Signature: *[Signature]*

Address: 3103 Falcon Street, Suite J
City/State/Zip: San Diego, CA 92103
Phone: (619) 278 0076
CEA Certification Identification (if applicable): 2484-C411-200A-99AF-26

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Milton C. Niederhaus
Signature Date: 02/23/16
Signature: *[Signature]*

Company: NEDC INC.
Address: 3103 Falcon Street, Suite J
City/State/Zip: San Diego, CA 92103
Phone: (619) 278 0076
License: E 8636

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A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY

1. General Hardscape Lighting Power Allowance (Site Total from Section 8 of NRCC-LTO-03-E)	1,811
2. Additional Specific "Use It or Lose It" Lighting Power Allowances listed in each of these cells shall be identical to total allowed watts determined in Section C.1 to C.4 of NRCC-LTO-03-E.	0
3. Sum Total ALLOWED Outdoor Lighting Wattage (Add rows 1 and 2)	1,811

B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A

Area	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Initial Wattage Allowance (IWA)	Total General Hardscape Lighting Allowance
	AWA (B x C)	LWA (D x E)	IWA (F + G)	H				
EXTERIOR HARDSCAPE	3,507	10,090	316	876	0.600	526	770	1,811

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C. ADDITIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS
The additional specific outdoor lighting power allowance shall be the smaller of the allowed lighting power or the actual lighting power used.
 Use Outdoor Lighting Zone (OLZ) that is documented on page 1 of NRCC-LTO-01-E to calculate the specific wattage allowances.

C-1. WATTAGE ALLOWANCE PER APPLICATION - Table 140.7-B
 Available only for qualifying locations, which include Building Entrances or Exits; Primary Entrances to Senior Care Facilities, Police Stations, Hospitals, Fire Stations, and Emergency Vehicle Facilities; Drive Up Windows; Vehicle Service Station Uncovered Fuel Dispenser
 If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
Name of Location for which allowance is claimed	Number of qualifying locations	Wattage Allowance per qualifying location	Allowed Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)

C-2. WATTAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.7-B
 If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
Name of Location for which allowance is claimed	Linear feet of Sales Frontage	Wattage Allowance per linear foot	Allowed Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)

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C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornamental Lighting) - Table 140.7-B
 Allowance for the total site illuminated hardscape area. Luminaires qualifying for this allowance shall be rated for 100 watts or less as determined in accordance with Section 130.0(c), and shall be post-top luminaires, lanterns, pendant luminaires, or chandeliers.
 If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
Name of area for which ornamental allowance is claimed	Square foot of hardscape	Wattage Allowance per square foot	Allowed Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)

C-4. WATTAGE ALLOWANCE PER SQUARE FOOT OF SPECIFIC AREA - Table 140.7-B
 Allowances for Building Facades; Outdoor Sales Lots; Vehicle Service Station Hardscape; Vehicle Service Station Canopies; Sales Canopies; Non-sales Canopies; Guard Stations; Student Pick-up/Drop-off zone; Outdoor Dining; Special Security Lighting for Retail Parking and Pedestrian Hardscape.
 If more than one luminaire type is used per location, use multiple rows for that location

A	B	C	D	E	F	G	H	I	J
Name of Location for which allowance is claimed	Illuminated Area of Application	Wattage Allowance per square foot	Allowed Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)

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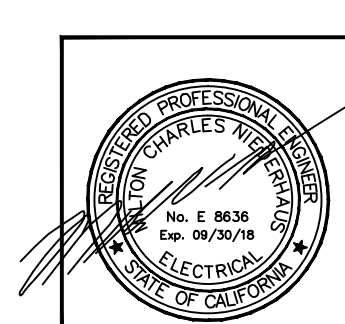
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