

CERTIFICATE OF COMPLIANCE (Page 4 of 4) OLTG-1C
 Project Name: **ICELAND SKATING RINK (RESTORATION)** Date: **02-11-2011**
 ALLOWED AND INSTALLED OUTDOOR LIGHTING POWER

A	Lighting power allowance for general hardscape (from OLTG-2C Page 1 of 3)	639.2 W
B	Specific application lighting wattage allowance per unit length (from OLTG-2C Page 1 of 3)	
C	Specific application wattage allowance for ornamental lighting (from OLTG-2C Page 1 of 3)	
D	Specific application wattage allowance per application (from OLTG-2C Page 2 of 3)	
E	Specific application lighting wattage allowance per area (from OLTG-2C Page 2 of 3)	
F	Additional lighting power allowance for ordinance requirements (from OLTG-2C Page 3 of 3)	
G	Total Allowed Wattage = Sum of rows A through F:	
H	Total installed Watts (From Luminaire Schedule, (from OLTG-1C Page 2 of 4))	560 W

Complies if installed Wattage in row H is less than or equal to the Total Installed Watts Yes No

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CERTIFICATE OF COMPLIANCE (Page 3 of 4) OLTG-1C
 Project Name: **ICELAND SKATING RINK (RESTORATION)** Date: **02-11-2011**
 A. OUTDOOR LIGHTING ZONE

OUTDOOR LIGHTING ZONE: OLZ1 OLZ2 OLZ3 OLZ4

Is the Outdoor Lighting Zone: Default in accordance with §10-14, or Amended by JHA

Complete the information below if the default Outdoor Lighting Zone has been amended by local jurisdiction having authority (JHA):

The site is a government designated park, recreation area, wildlife preserve, or a portion thereof, and has been designated as L22 or L23, in accordance with Table 10-14-A, because the site is contained within such a zone.

The local jurisdiction having authority has officially adopted a change to the State Default Lighting Zone and has notified the energy commission by providing the materials required in §10-14(d) to the Executive Director.

The adopted change is posted on the Energy Commission website.

R. ADDITIONAL LIGHTING POWER ALLOWANCE FOR ORDINANCE REQUIREMENTS

An additional lighting power allowance for ordinance in Table 147-A used: Yes No

Complete the information below if additional lighting power allowance for ordinance requirement are used:

The local jurisdiction having authority has officially adopted specific outdoor light levels, which are expressed as average or minimum footcandle levels, by following a public process that allowed for formal public notification, review, and comment about the proposed change.

The local jurisdiction having authority which adopted specific outdoor light levels and has notified the Commission by providing the following materials required §10-14(d) to the Executive Director.

C. ACCEPTANCE FORMS

Required Acceptance Tests

Designer:

This form is to be used by the designer and attached to the plans. Listed below is the acceptance test for the lighting system, LTO-2A. The designer is required to check the acceptance tests and list all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance. If all the lighting system or control of a certain type requires a test, list the different lighting and the number of systems, the NAJ Section in the Appendix of the Nonresidential Reference Appendix Manual describe the test. This form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately. Forms can be grouped by type of Luminaire controlled.

Enforcement Agency:

Systems Acceptance. Before Occupancy Permit is granted for a newly constructed building or space or when ever new lighting system with controls is installed in the building or space shall be certified as meeting the Acceptance Requirements. The LTO-2A form is not considered a complete form and is not to be accepted by the enforcement agency unless the tests are checked and/or filled and signed. In addition, a Certificate of Acceptance form shall be submitted to the enforcement agency that certifies plans, specifications, installation certificate, and operating and maintenance information meet the requirements of §10-14(b) of Title 24 Part 4. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of the LTO-2A for each different lighting luminaire control(s) must be provided to the owner of the building for their records.

Certificate of Acceptance				
Equipment Requiring Testing	Description	Number of Lincs. or Lincs. Controls	Location	
			Number of Lincs. or Lincs. Controls	Location
LCC	NEAR PANEL "SE"	1		NEAR PANEL "SE"

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CERTIFICATE OF COMPLIANCE (Page 2 of 4) OLTG-1C
 COMPLIANCE FIXTURE/LIGHTING CONTROL, SCHEDULE AND FIELD INSPECTION CHECKLIST
 Project Name: **ICELAND SKATING RINK (RESTORATION)** Date: **02-11-2011**
 INSTALLATION CERTIFICATE, OLTG-1H1ST (Retain a copy and verify form is completed and signed)
 CERTIFICATE OF ACCEPTANCE, OLTG-2A (Retain a copy and verify form is completed and signed)

A	B	C	D	E	F	Installed Watts			
						G	H	I	
Name or Item Tag	Luminaire Description 1 See Footnote below	Conf. Compliance	Watts per Luminaire	Number of Luminaires	Default Watts	Design Watts	Actual Watts	Minimum Watts	Maximum Watts
XPC	HUMP EXTERIOR WALL PACK-40W CFL	NO	56	10	560				560

Enter total into OLTG-1C, Page 4 of 4; Row H; Total installed Watts: **560 W**

1. Type of luminaire (ie: post top, wall pack, surface, etc) for non-enclosed luminaires, indicate nominal lamp wattage and lamp type (ie: fluorescent, incandescent, LED, halogen, etc). (ie: electronic or magnetic ballast or number of ballast per luminaire. For incandescent luminaires, the luminaire wattage listed in column D shall be the maximum relaying rated wattage on a permanent (non-removable) label on the luminaire (NOT the wattage of the lamp itself) and is accordance with section 10 of 10.

2. If full than describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

EXEMPT LUMINAIRES

Name or Symbol	Description of exempt luminaire in accordance with §147
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MANDATORY CONTROLS

#	Description	Location	#	Description	Location
1	LCC	NEAR PANEL "SE"			

SPECIAL FEATURES INSPECTION CHECKLIST (See Page 2 of 4 of OLTG-1C)

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

Filed Inspector Notes or Discrepancies:

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CERTIFICATE OF COMPLIANCE (Page 1 of 4) OLTG-1C
 Project Name: **ICELAND SKATING RINK (RESTORATION)** Date: **02-11-2011**
 Project Address: **1430 DEL PAGO ROAD SACRAMENTO, CA 95815** Total Hardscape Illuminated Area: **66,255**

General Information

New Construction Addition Alteration

Documentation Author's Declaration Statement

I certify that this Certificate of Compliance documentation is accurate and complete.

Name: **GARY COOPER** Signature: *[Signature]*

Company: **COOPER CONSULTING** Date: **02-11-2011**

Address: **320 S. 100th** If applicable OCAP CRP#

City/State/Zip: **ORANGEVILLE, UT 84537** Phone: **(916) 548-7506**

Principal Lighting Designer's Declaration Statement

- I am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the lighting design.
- This Certificate of Compliance identifies the lighting fixtures and performance specifications required for compliance with Title 24, Part 1 and 6 of the California Code of Regulations.
- The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Name: _____ Signature: _____

Company: _____ Phone: _____

Address: _____ License: _____

City/State/Zip: _____ Date: _____

Principal Lighting Designer's Declaration

I certify that this Certificate of Compliance documentation is accurate and complete, and accounts for all outdoor lighting power, including building mounted, pole mounted, as well as all other outdoor lighting designed for this site, and that Additional Lighting Power Allowances for Specific Applications or Additional Lighting Power Allowances for Ordinance Requirements have not been counted more than one time for the same area, in accordance with Section 147 of the Standards.

Outdoor Lighting Mandatory Measures

Indicate location on building plans of Mandatory Measure Note Block: **THIS SHEET**

LIGHTING COMPLIANCE FORMS & WORK SHEETS (Check box if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

OLTG-1C (Page 1 of 3) Lighting Wattage Allowance for General Hardscape, Site Frontage, or Ornamental Lighting, Optional on plans.

OLTG-2C (Page 2 of 3) Lighting Wattage Allowance for Per Application or Per Area, Optional on plans.

OLTG-2C (Page 3 of 3) Additional Lighting Power Allowance for Ordinance Requirements, Optional on plans.

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COOPER CONSULTING
 320 W. 100 S.
 ORANGEVILLE, UT, 84537
 PHONE: 435-748-2378
 CELL: 916-548-7506
 FAX: 435-748-2378
 email: cooper@95bcglobal.net

DESIGN & DRAFTING SERVICES

STAMP

RESTORATION

ICELAND SKATING RINK

1430 DEL PAGO ROAD
 SACRAMENTO, CA 95815

PROJECT NAME/ADDRESS

February 11, 2011
 PROJECT DATE

G. COOPER
 DRAWN/DESIGNER CHECKED

PLAN CHECK COMMENTS
 JANUARY 11, 2011

REVISIONS/DATES

ELECTRICAL
 TITLE 24
 COMPLIANCE
 FORMS
 EXTERIOR LIGHTING

SHEET TITLE

NEW SHEET
E3.1

SHEET 5 OF 5

OUTDOOR LIGHTING WORKSHEET (Page 1 of 3) OLTG-2C
 Project Name: **ICELAND SKATING RINK (RESTORATION)** Date: **02-11-2011**

A. LIGHTING POWER ALLOWANCE FOR GENERAL HARDSCAPE

AREA WATTAGE ALLOWANCE (AWA)			LINEAR WATTAGE ALLOWANCE (LWA)			INITIAL WATTAGE ALLOWANCE	TOTAL GENERAL HARDSCAPE LIGHTING ALLOWANCE
A	B	C	D	E	F	G	H
ILLUMINATED HARDSCAPE AREA	AWA PER SQUARE FOOT	AWA (A X B)	PERIMETER LENGTH OF GENERAL HARDSCAPE	LWA PER LINEAR FOOT	LWA (D X E)	IWA (WATTS)	C + F + G
FRONT	2,406	.17	3,760				639.2

Enter total into OLTG-1C; Page 4 of 4; Row A; Lighting Power Allowance for General Hardscape: **639.2**

Yes: AWA, LWA, and IWA from Table 147-A was used as appropriate for the Outdoor Lighting Zone

B. SPECIFIC APPLICATION LIGHTING WATTAGE ALLOWANCE PER UNIT LENGTH (Available only for sales frontage)

DETERMINE WATTAGE ALLOWANCE			LUMINAIRE TYPE			DESIGN WATTS			
A	B	C	D	E	F	G	H	I	J
Specific Lighting Application	Linear Foot of Frontage	Sales Frontage Allowance for OLZ (watts per ft)	Wattage Allowance (B x C)	Name or Symbol	Luminaire Type	Luminaire Quantity	Watts per Luminaire	Design Watts (G x H)	Allowed Watts Minimum of D or I

Enter total into OLTG-1C; Page 4 of 4; Row B; Specific Application Lighting Wattage Allowance Per Unit Length

C. SPECIFIC APPLICATION WATTAGE ALLOWANCE FOR ORNAMENTAL LIGHTING

DETERMINE WATTAGE ALLOWANCE			LUMINAIRE TYPE			DESIGN WATTS			
A	B	C	D	E	F	G	H	I	J
Specific Lighting Application	Square foot of Hardscape	Ornamental Lighting Allowance for OLZ (watts per ft ²)	Wattage Allowance (B x C)	Name or Symbol	Luminaire Type	Luminaire Quantity	Watts per Luminaire	Design Watts (G x H)	Allowed Watts Minimum of D or I

Enter total into OLTG-1C; Page 4 of 4; Row C; Specific Application Wattage Allowance for Ornamental Lighting

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ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL ELECTRICAL EQUIPMENT TO THE 2010 CALIFORNIA ELECTRICAL CODE AND THE 2008 CALIFORNIA ENERGY CODE PER TITLE 24 STANDARDS.