CERTIFICATE OF COMPLIANCE (Part 1 of 2) OLTG-1-C

PROJECT NAME: MODERNIZATION AT CURRAN MIDDLE SCHOOL		DATE: 11-15-07
PROJECT ADDRESS: 1116 LYMRIC WAY, BAKERSFIELD, CA 93309		Building Permit #
PRINCIPAL DESIGNER/LIGHTING: THEODORE M. ROSE	TELEPHONE: 559-733-2671 EXT. 208	
DOCUMENTATION AUTHOR: RICHARD SAENZ	TELEPHONE: 559-733-2671 EXT. 203	Checked by/Date Enforcement Agency Use

GENERAL INFORMATION

DATE OF PLANS | OUTDOOR LIGHTING ZONE (✓ One) ☐ LZ1 ☐ LZ2 ☑ LZ3 ☐ LZ4

FUNCTION TYPE: ☑ OUTDOOR LIGHTING ☐ OUTDOOR SIGNS ☐ INDOOR SIGNS

PHASE OF CONSTRUCTION: ☑ NEW CONSTRUCTION ☐ ADDITIONS ☐ ALTERATIONS

STATEMENT OF COMPLIANCE

This Certificate of Compliance lists outdoor lighting system specifications need to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building lighting requirements.

The documentation preparer hereby certifies that the documentation is accurate and complete.

DOCUMENTATION AUTHOR	SIGNATURE	DATE
RICHARD SAENZ		11-15-07

The Principal Lighting Designer hereby certifies that the proposed outdoor lighting and signs design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the lighting requirements contained in the applicable parts of Sections 110, 119, 130 through 132, 146, and 149 of Title 24, Part 6. Please ✓ one:

☑ I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer or electrical engineer, or I am a licensed architect.

☐ I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.

☐ I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

(These sections of the Business and Professions Code are printed in full in the Nonresidential Manual.)

PRINCIPAL LIGHTING DESIGNERS NAME	SIGNATURE	DATE	LIC. #
THEODORE M. ROSE		11-15-07	14920

INSTRUCTIONS TO APPLICANT OUTDOOR LIGHTING COMPLIANCE & WORKSHEETS (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-1-C	Certificate of Compliance. Required on plans for all submittals for outdoor lighting. Part 2 of 2 may be incorporated in schedules on the plans.
	Either LTG-1-C or OLTG-1-C may be used for signs as follows: 1. Use LTG-1-C if the project consists solely of indoor signs 2. Use LTG-1-C if the project consists of indoor lighting, and outdoor or indoor signs, but no other outdoor lighting. 3. Use OLTG-1-C if the project consists solely of outdoor signs 4. Use OLTG-1-C if the project consists of outdoor lighting, and indoor or outdoor signs, but no other indoor lighting
☑ OLTG-2-C	LIGHTING COMPLIANCE SUMMARY. Applicable Parts required for ALL outdoor lighting allowances (Except for Signs)
☑ OLTG-3-C	AREA CALCULATIONS WORKSHEETS. Applicable parts required for all outdoor area calculations.
☐ OLTG-4-C	SIGN LIGHTING COMPLIANCE. Required for all internally and externally illuminated signs, for both indoor and outdoor signs

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CERTIFICATE OF COMPLIANCE (Part 2 of 2) OLTG-1-C

PROJECT NAME: MODERNIZATION AT CURRAN MIDDLE SCHOOL DATE: 11-15-07

Lighting Schedules on Plans Show that Outdoor Lighting Meets Allowed Lighting Power

✓
☑ Lighting power allowances for general site illumination on OLTG-2-C Part 1 of 4
☐ Not Applicable
☐ Lighting power allowances for local ordinances or for security multipliers on OLTG-2-C Part 2 of 4
☑ Not Applicable
☐ Lighting power allowances for specific applications, other than vehicle service stations with canopies on OLTG-2-C Part 3 of 4
☐ Not Applicable
☐ Lighting power allowances for vehicle service station canopies on OLTG-2-C Part 4 of 4
☐ Not Applicable
☐ Sign lighting compliance on OLTG-4-C
☐ Not Applicable

Mandatory Measures on Plans Show that Outdoor Lighting Meets Outdoor Lighting Controls and Equipment
Indicate location on plans of Note Block for Mandatory Measure

✓
☑ Installed lighting power has been determined in accordance with § 130(c)1
☐ Not Applicable
☐ All permanently installed luminaires with lamp rated over 100 watts either have a lamp efficacy of at least 60 lumens per watt or are controlled by a motion sensor § 132(a)
☑ Not Applicable
☐ All Luminaires with lamp rated greater than 175 watts in hardscape areas, including parking lots, building entrances, canopies, and all outdoor sales areas meet the Culoff Requirements of § 132(b)
☑ Not Applicable
☑ All permanently installed outdoor lighting meets the Control Requirements of § 132(C)1
☐ Not Applicable
☑ Building facades, parking lots, garages, canopies, and outdoor sales areas meet the Multi-Level Lighting Requirements of § 132(c)2
☐ Not Applicable

MANDATORY AUTOMATIC CONTROLS

CONTROL LOCATION	CONTROL IDENTIFICATION	CONTROL TYPE Auto Time Switch/Photosensor, etc	AREA CONTROLLED	NOTE TO FIELD
EACH BUILDING	☒	PHOTO SENSOR	ENTIRE	
EACH BUILDING	TIME SWITCH	AUTO TIME SWITCH	ENTIRE	

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LIGHTING COMPLIANCE SUMMARY (Part 1 of 4) OLTG-2-C

PROJECT NAME: MODERNIZATION AT CURRAN MIDDLE SCHOOL DATE: 11-15-07

LIGHTING POWER ALLOWANCES - GENERAL SITE ILLUMINATION - (Table 147-A)

A	Allotted Watts B	C	D	Luminaire E	F	G	Lamps/Ballasts H	I	J	K	Installed Watts L	M ✓ if DC Default	N	O
Lighting Applications Category (Table 147-A)	Area ft² or Length (LF)	Allotted LPD Watt² or Watt/LF	Allotted Watts (B x C)	Code for Luminaire Type	Description	Cutoff Designation	Lamp Type	Number of Lamps per Luminaire	Watts per Lamp	Number of Ballasts per Luminaire	Watts per Luminaire		Number of Luminaires	Installed Watts (L x N)
BLDG. "A" - CANOPIES	2800	0.5	1400	J	COMPACT FLOUR.	.	T4	2	13	1	30	✓	10	300
BLDG. "B" - CANOPIES	1400	0.5	700	J	COMPACT FLOUR.		T4	2	13	1	30		6	180
BLDG. "C" - CANOPIES	2800	0.5	1400	J	COMPACT FLOUR.		T4	2	13	1	30		10	300
BLDG. "D" - CANOPIES	1600	0.5	800	J	COMPACT FLOUR.		T4	2	13	1	30		12	360
BLDG. "E" - CANOPIES	2200	0.5	1100	J	COMPACT FLOUR.		T4	2	13	1	30		13	340
BLDG. "F" - CANOPIES	2800	0.5	1400	J	COMPACT FLOUR.		T4	2	13	1	30		10	300
BLDG. "G" - CANOPIES	1400	0.5	700	J	COMPACT FLOUR.		T4	2	13	1	30		6	180
BLDG. "H" - CANOPIES	2800	0.5	1400	J	COMPACT FLOUR.		T4	2	13	1	30		10	300
ALL SIDEWALKS	6300	0.17	1071	L	COMPACT FLOUR.		T4	2	13	1	30		25	750
RELOCATABLES	1188	0.7	826	L	COMPACT FLOUR.		T4	2	13	1	30		13	340
	Total Allotted Watts		10,797								Total Installed Watts			3,450

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ILLUMINATED AREA CALCULATION WORKSHEET (Part 1 of 5) OLTG-3-C

PROJECT NAME: MODERNIZATION AT CURRAN MIDDLE SCHOOL DATE: 11-15-07

Hardscape - Method (i)

A. Hardscape for automotive vehicular use, including parking lots, driveways and site roads

A	B	C	D	E	F	G	H
		Areas (ft^2) to Subtract from within Illuminated Area					
List Specific Application (Table 147-A)	Actual Paved Area plus 5' perimeter of adjacent unpaved land. Includes planters and landscaped areas less than 10' wide that are enclosed by hardscape on at least 3 sides	Areas between poles or luminaires that are greater than 8' mounting height distance (if Applicable)	Overlapping Areas of Another Application or Luminaire	Building Areas	Areas Obstructed By Sign or Other Structure	Sub Total of areas to Subtract (C + D + E + F)	Illuminated Area (B - G)
.	.	.	.	.	.	.	.

B. Hardscape for pedestrian use, including plazas, sidewalks, walkways and bikeways

A	B	C	D	E	F	G	H
		Areas (ft^2) to Subtract from within Illuminated Area					
List Specific Application (Table 147-A)	Actual Paved Area plus 5' of unpaved land on either side of path of travel. Shall include all contiguous paved area before including adjacent grounds.	Areas between poles or luminaires that are greater than 8' mounting height distance (if Applicable)	Overlapping Areas of Another Application or Luminaire	Building Areas	Areas Obstructed By Sign or Other Structure	Sub Total of areas to Subtract (C + D + E + F)	Illuminated Area (B - G)
SIDEWALKS	6300	———	———	———	———	———	6300
RELOCATABLE BUILDING ENTRANCE	1188	———	———	———	———	———	1188

Checklist

☐ § 147(c) 1B - Each portion of all illuminated areas has been assigned only one lighting application, and the applications are consistent with the actual use of the areas.

☐ § 147(c)1A - General illumination areas includes only those illuminated areas that are in the bounds of the Application and are within a square pattern around a luminaire that is six times the luminaire mounting height, with the luminaire in the middle of the pattern, less any areas that are within buildings, under canopies, beyond property lines, or obstructed by a sign or other structures.

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ILLUMINATED AREA CALCULATION WORKSHEET (Part 4 of 5) OLTG-3-C

PROJECT NAME: MODERNIZATION AT CURRAN MIDDLE SCHOOL DATE: 11-15-07

Ornamental Lighting, Canopies, Vehicle Service Station Hardscape, and Outdoor Dining

A	B	C	D	E	F	G
		Areas (ft^2) to Subtract from within Illuminated				
Lighting Application (Table 147-B)	Gross Illuminated Area of Application (ft^2)	Areas between poles or luminaires that are greater than 6 mounting height distance (if Applicable)	Overlapping Areas of Another Application or Luminaire	Areas Obstructed By sign or Other Structure	Sub Total of areas to Subtract (C + D + E)	Illuminated Area (B - F)
BLDG. "A" - CANOPIES	2800	.	.	.	.	2800
BLDG. "B" - CANOPIES	1400					1400
BLDG. "C" - CANOPIES	2800					2800
BLDG. "D" - CANOPIES	1600					1600
BLDG. "E" - CANOPIES	2200					2200
BLDG. "F" - CANOPIES	2800					2800
BLDG. "G" - CANOPIES	1400					1400
BLDG. "H" - CANOPIES	2800					2800

Checklist

☐ §147(c)1 B - Each portion of all illuminated areas has been assigned only one lighting application, and the applications are consistent with the actual use of the areas.

☐ § 147(c) 2 C - The area of ornamental lighting includes no more than the total area of the site external to buildings. Luminaires used for ornamental lighting employ lamps rated 100 watts or less, and are not used to determine LPD for general illumination.

☐ § 147(c)2 D - Measured in plan view, the areas of illuminated canopies include the horizontal projection of the canopies.

☐ § 147(c)2 F - The area of vehicle service station hardscape includes only illuminated hardscape areas beyond the horizontal projection of the canopy in plan view.

☐ § 147(c)2 I - The area of outdoor dining area includes only illuminated hardscape areas used to serve and cosume food and beverages.

2005 Nonresidential Compliance Forms *January 2006*

APPROVED
DIV. OF THE STATE ARCHITECT
LOS ANGELES BASIN REGIONAL OFFICE
AC — FLS EV SS RO
APPL NO. B 107003 DATE FEB 10 2010

ORDIZ MELBY
ARCHITECTS, INC.
5500 MING AVENUE SUITE 280
BAKERSFIELD, CALIFORNIA 93309
TELEPHONE (661) 832-5258
FACSIMILE (661) 832-4291

LICENSED ARCHITECT DANNY ESPINOZA ORDIZ No. C-14728 5-31-2011 RENEWAL DATE STATE OF CALIFORNIA

LICENSED ARCHITECT WILLIAM JOHN MELBY No. C-16835 DEC. 31 2007 RENEWAL DATE STATE OF CALIFORNIA

DANNY E. ORDIZ, AIA
ARCHITECT C-14,728

WILLIAM J. MELBY, AIA
ARCHITECT C-16,835

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER THEODORE M. ROSE No. E14920 Exp. 6/30/11 ELECTRICAL STATE OF CALIFORNIA

Rose Sing and Associates, Inc.
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

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DATE

MODERNIZATION AT CURRAN MIDDLE SCHOOL FOR:

BAKERSFIELD CITY SCHOOL DISTRICT

1116 LYMRIC WAY BAKERSFIELD CALIFORNIA 93309

MARK	DATE	DESCRIPTION

JOB NUMBER:
2002480
CAD DRAWING FILE:
-
DRAWN BY:
ES
CHECKED BY:
TWR

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK.
REPORT DESCREPANCIES TO THE ARCHITECT.

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