CERTIFICATE O	F COMPLIANCE	(Part 1 of 2)	OLTG-1-C		
PROJECT NAME COLLEGE OF SAN MATEO	SITE		DATE 04-09-09		
PROJECT ADDRESS 1700 WEST HILLSDALE BI	LVD., SAN MATEO, CA				
PRINCIPAL DESIGNER-LIGHTING TONY HERNANDEZ		TELEPHONE 408-321-2206	Building Permit		
DOCUMENTATION AUTHOR SILVIA RAVE		TELEPHONE 408-321-2233	Checked by/Date Enforcement Agency Use		
GENERAL INFORMATION					
DATE OF PLANS 04-09-09	OUTDOOR LIGHTING ZONE (✔ One	e) 🗆 LZ1 🗆 LZ2 🗹 LZ3	3 🔲 LZ4		
FUNCTION TYPE	anger parameter	DOOR SIGNS	☐ INDOOR SIGNS		
PHASE OF CONSTRUCTION	Z NEW CONSTRUCTION ADD	ITIONS	ALTERATIONS		
STATEMENT OF COMPLIANCE					
This Certificate of Compliance lists out Regulations. This certificate applies or	door lighting system specifications need to colly to building lighting requirements.	mply with Title 24, Parts 1 and 6 o	f the California Code of		
The documentation preparer hereby ce	rtifies that the documentation is accurate and	complete.			
DOCUMENTATION AUTHOR SILVIA RAVE	SIGNATURE	20_	DATE 04-09-09		

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 the provisions of Division 3 of the Business and Professions Code to sign this document because it pertains to a

I affirm that I am eligible under the provisions of 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 DESIGNER-NAME

LIGHTING DESIGNER-NAME

LIGHTING DESIGNER-NAME

(These section	ons of the Business and Professions Code are printed in	full in the Nonresidential M	/lanual.)	
PRINCIPAL LIGHTIN	G DESIGNER-NAME SIGNATURE ANDEZ		04-09-09	E015390
	190			
	O APPLICANT OUTDOOR LIGHTING COMPLIANCE			
	ructions on the use of this and all Energy Efficient d by the California Energy Commission.	ćy Standards compliand	ce forms, please refer	to the Nonresidential
OLTG-1-C	Certificate of Compliance. Required on plans fincorporated in schedules on the plans.	or all submittals for out	door lighting. Part 2 o	of 2 may be
	Either LTG-1-C or OLTG-1-C may be used for			
	Use LTG-1-C if the project consists solely of 2. Use LTG-1-C if the project consists of indoor.		or indoor signs, but n	o other outdoor
	lighting.			
	Use OLTG-1-C if the project consists solely Use OLTG-1-C if the project consists of out lighting		or or outdoor signs, bu	ut no other indoor
☑ OLTG-2-C	LIGHTING COMPLIANCE SUMMARY. Applic Signs)	able Parts required for	ALL outdoor lighting a	allowances (Except for
☑ OLTG-3-C	AREA CALCULATIONS WORKSHEETS. App	licable parts required fo	or all outdoor area cal	culations.
☑ OLTG-4-C	SIGN LIGHTING COMPLIANCE. Required for outdoor signs.	all internally and extern	nally illuminated signs	, for both indoor and

2005 Nonresidential Compliance Forms

April 2005

CE	RTIFICATE OF COMPLIANCE	(Part 2 of 2)	OLTG-1-C
PROJEC COLL	T NAME EGE OF SAN MATEO SITE		
Lightin	g Schedules on Plans Show that Outdoor Lighting Mee	ts Allowed Lighting Power	
	iting power allowances for general site illumination on OLTG-2-C F	Part 1 of 4	
	ting power allowances for local ordinances or for security multiplie Applicable	ers on OLTG-2-C Part 2 of 4	
	ting power allowances for specific applications, other than vehicle Applicable	service stations with canopies o	n OLTG-2-C Part 3 of 4
	ting power allowances for vehicle service station canopies on OLT Applicable	G-2-C Part 4 of 4	
	lighting compliance on OLTG-4-C		
	Applicable		· · · · · · · · · · · · · · · · · · ·
	tory Measures on Plans Show that Outdoor Lighting Me ecation on plans of Note Block for Mandatory Measure	ets Outdoor Lighting Contr	ols and Equipment
✓ ☑ Insta	alled lighting power has been determined in accordance with § 130 Applicable	(c)1	
are cont	permanently installed luminaires with lamps rated over 100 watts e rolled by a motion sensor § 132(a) Applicable	ither have a lamp efficacy of at le	east 60 lumens per watt or
All L	uminaires with lamps rated greater than 175 watts in hardscape a autdoor sales areas meet the Cutoff Requirements of § 132(b) Applicable	reas, including parking lots, buik	ling entrances, canopies,
☑ All p	ermanently installed outdoor lighting meets the Control Requirem Applicable	ents of § 132(c)1	
☐ Build 132(c)2	ding facades, parking lots, garages, canopies, and outdoor sales a	reas meet the Multi-Level Lightir	ng Requirements of §

MANDATORY AUTOMA		7		
CONTROL LOCATION	CONTROL IDENTIFICATION	CONTROL TYPE Auto Time Switch/Photosensor, etc	AREA CONTROLLED	NOTE TO
MAIN ELECTRICAL ROOM	VIA PHOTOCELL / ASTRONOMICAL TIME CLOCK	LCP / PHOTOCELL / TIMECLOCK	SITE LIGHTING	
· · · · · · · · · · · · · · · · · · ·				

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L:\Eng_2\Current Projects\College of San Mateo Site Ltg_300085\Cad\300085_Site Lt_E0.02.dwg — Apr 08, 2009 Wednesday — 7:00pm — 30x42—Pit — aavila

*нрн*г 2005

LIGHTING CO	IGHTING COMPLIANCE SUMMARY											OLTG-2-C			
PROJECT NAME COLLEGE OF SAN MA	TEO SITE									DATE 04-	09-09				
LIGHTING POWER	ALLOWA	NCES -	GENER	AL SITE I	LLUMINATION -	- (Tabl	e 147-A	۱)							
	А	liotted Wa	tts		Luminaire			Lamps/	Ballasts	§		installe	d Watt	s	
A	В	С	D	E	F	G	Н	l I	J	K	L	M	N	0	
Lighting Applications Category (Table 147-A)	Area (ft²) or Length (LF)	Allotted LPD W/ft ² or W/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 Ballast per Luminaire	Watts per Luminaire	If CEC Default	Number of Luminaires	Watts (LxN)	
PARKING LOT/ROADWAY	131,635	0.15	19,745	E1	POLE MOUNT	FCO	MH	1	400	1	452	1	15	6,780	
PARKING LOT/ROADWAY	114,621	0.15	17,193	E2	POLE MOUNT	FCO	МН	2	400	1	904	1	12	10,848	
YAWDAOF	43,561	0.15	6,534	В	POLE MOUNT	FCO	мн	9	400	1	452	1	9	4,068	
YAWDAOF	46,878	0.15	7,032	B2R	POLE MOUNT	FCO	МН	1	400	1	904	1	6	5,424	
SIDEWALK/WALKWAY	6,305	0.17	1,072	M2	POLE MOUNT	FCO	МН	1	150	1	168	1	38	6,384	
SIDEWALK/WALKWAY	2,292	0.17	390	M6	BOLLARD	NONE	МН	1	100	1	110	1	4	440	
SIDEWALK/WALKWAY	11,573	0.17	1,967	MM2	POLE MOUNT	FCO	МН	1	200	1	32	4	5	1,168	
SIDEWALK/WALKWAY	100,407	0.17	17,069	ммз	POLE MOUNT	FCO	мн	1	200	1	219	1	74	16,206	
SIDEWALK/WALKWAY	1,169	0.17	199	MM13	STEPLIGHT	NONE	COMP FLOUR	2	42	1	94	1	12	1,128	
SIDEWALK/WALKWAY	12,423	0.17	2,112	MM15	UPLIGHT	NONE	MR16	1	75		75	1	26	1,950	
BIDEWALK/WALKWAY	160	0.17	27	MM16	UPLIGHT FLAGPOLE	NONE	ED37	1	320	1	365	1	3	1,095	
LOADING DOCK	6,389	0.17	1,086	E1	POLE MOUNT	FCO	мн	1	400	1	452	1	2	904	
WALKWAY	811	0.17	138	RUDD	POLE MOUNT	NONE	мн	1	100	1	185	1	1	180	
	Total Allotted Watts 74,564 Total Installed Watts									Watts	56	6,513			

2005 Nonresidential Compliance Forms

July 2005

SIGI	N LI	GHTING COI	MPL	IANC	E											OL	_TG-	4-C
PROJECT	NAME GE OF	SAN MATEO SITE								*					DATE 04-09:	-09		
					Alternati	ve 1 – Lig	hting Power	Allowa	nces			tech	native 2 nologies ck all th	listed	in M thr	nat ONLY u ough S	ise one or	more of the
A	В	С	D	E	F ¹	G	Н	I	J	K	L	М	N	0	P	Q	R	S
				Allotted Watts Lamp / Ballast Design Watts														
Sign Symbol or Code	Quantity of Signs	Description or Location	Sign Area (ft²)	Internally (I) OR Externally (E) Illuminated	Allotted LPD (12 or 2.3) (W / ft ²)	Allotted Watts (D X F)	Lamp Type	Number of OR Lineal Feet of Lamps	Number of Ballasts In Signs	Total Designed Sign Input watts	ls G Smaller than K? Y / N	High Pressure Sodium	Pulse Start or Ceramic Metal Halide	Neon and Cold Cathode	Light Emitting Diode (LED)	Barrier Coat Fluorescent Lamps (includes most T5 and T8 lamps)	CFLs not containing Medium Screw Base Sockets	Electronic Ballasts with Output Frequency of 20kHz or more
MM14	22	WALL@FLAGPOLES	1369	E	2.3	3149	T5HD	22	11	1320	N							
MM12	7	RECESSED LOW LVL LED LIGHT													1			
							ari de constante de							,				
							Europe and a second											
												<u> </u>						

		·																
																·		
F ¹ For	Allotted	LPD use 12 watts/squa	are foot	for Interr	nally Illun	ninated S	igns, and u	se 2.3	watt	s/ft² for E	xternal	y Illui	ninate	d Sig	jns.		<u></u>	

Note: If an Internally Illuminated or Externally Illuminated sign contains light sources and ballasts other than those included in columns (M) through (S), such as incandescent lamps, medium base sockets, magnetic ballasts, etc, then the sign must comply under Alternative 1. However, unfiltered signs, and

2005 Nonresidential Compliance Forms

unfiltered portions of Internally and Externally illuminated signs, are not required to meet these Standards.

July 2005

TITLE 24 OUTDOOR LTG. COMPLIANCE NOTES:

AUTOMATIC CONTROL DEVICES CERTIFIED:

ALL AUTOMATIC CONTROL DEVICES SHALL BE CERTIFIED BY THE STATE OF CALIFORNIA AND INSTALLED AS DIRECTED BY THE MANUFACTURER FOR PROPER CONTROL AND OPERATION.

2. CONTROL OF EXTERIOR LIGHTS:

EXTERIOR MOUNTED FIXTURES ATTACHED TO OR POWERED BY THE ELECTRICAL SERVICE IN BUILDINGS THAT CONTAIN CONDITIONED SPACE SHALL BE CONTROLLED WITH A DIRECTIONAL PHOTOCELL CONTROL ON THE ROOF OR AN ASTRONOMICAL TIME SWITCH AND A CORRESPONDING ELECTRICAL CONTACTOR THAT AUTOMATICALLY TURNS OFF THE EXTERIOR LIGHTING WHEN DAYLIGHT IS AVAILABLE. EXTERIOR LUMINAIRES WITH LAMPS RATED OVER 100 WATTS THAT HAVE A SOURCE EFFICACY OF LESS THAN 60 LUMENS PER WATT SHALL BE CONTROLLED BY A MOTION SENSOR.

THE ASTRONOMICAL TIME—SWITCH CONTROLS SHALL:

A. CONTAIN AT LEAST 2 SEPARATELY PROGRAMMABLE CHANNELS PER FUNCTION AREA;

B. HAVE THE ABILITY TO INDEPENDENTLY OFFSET THE 'ON' AND 'OFF' TIMES FOR EACH CHANNEL BY 0 TO 99 MINUTES BEFORE OR AFTER SUNRISE OR SUNSET;

C. HAVE A SUNRISE AND SUNSET PREDICTION ACCURACY WITHIN +/-15 MINUTES AND TIMEKEEPING ACCURACY WITHIN 5 MINUTES PER YEAR;

D. STORE TIME ZONE, LONGITUDE AND LATITUDE IN NON-VOLATILE MEMORY;

E. DISPLAY DATE/TIME, SUNRISE AND SUNSET;

F. HAVE AN AUTOMATIC DAYLIGHT SAVINGS TIME ADJUSTMENT;

G. BE CAPABLE OF PROGRAMMING DIFFERENT SCHEDULES FOR WEEKDAYS AND WEEKENDS;

H. HAVE PROGRAM BACKUP CAPABILITIES THAT PREVENT THE LOSS OF THE DEVICE'S PROGRAM AND TIME SETTING FOR AT LEAST 10 HOURS IF POWER IS INTERRUPTED.

3. LUMINAIRE CUTOFF REQUIREMENTS:

ALL OUTDOOR LUMINAIRES THAT USE LAMPS RATED GREATER THAN 175 WATTS IN HARDSCAPE AREAS INCLUDING PARKING LOTS, BUILDING ENTRANCES, SALES AND NON—SALES CANOPIES, AND ALL OUTDOOR SALES AREAS SHALL BE DESIGNATED 'CUTOFF' FOR LIGHT DISTRIBUTION.

4. CONTROLS FOR OUTDOOR LIGHTING:

A. ALL PERMANENTLY INSTALLED OUTDOOR LIGHTING SHALL BE CONTROLLED BY A PHOTOCONTROL OR ASTRONOMICAL TIME SWITCH THAT AUTOMATICALLY TURNS OFF THE OUTDOOR LIGHTING WHEN DAYLIGHT IS AVAILABLE.

B. FOR LIGHTING OF BUILDING FACADES, PARKING LOTS, GARAGES, SALES AND NON-SALES CANOPIES, AND ALL OUTDOOR SALES AREAS, WHERE TWO OR MORE LUMINAIRES ARE USED, AN AUTOMATIC TIME SWITCH SHALL BE INSTALLED THAT

(1) TURNS OFF THE LIGHTING WHEN NOT NEEDED, AND,

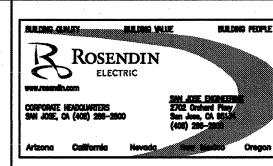
(2) REDUCES THE LIGHTING POWER (IN WATTS) BY AT LEAST 50% BUT NOT EXCEEDING 80%, OR PROVIDES CONTINUOUS DIMMING THROUGH A RANGE THAT INCLUDES 50% THROUGH 80% REDUCTION.

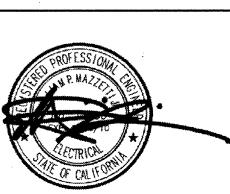
GENERAL NOTES

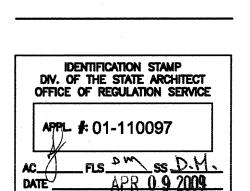
- THE (5) TYPE 'MM14' SIGN WALL UPLIGHT FIXTURES ARE EXEMPT FROM THE LUMINAIRE CUTOFF REQUIREMENT PER TITLE 24 SEC. 132(b), EXCEPTION #1: "...EXTERNALLY ILLUMINATED ... SIGNS."
- B THE (3) TYPE 'MM16' FLAGPOLE UPLIGHTING FIXTURES ARE EXEMPT FROM THE LUMINAIRE CUTOFF REQUIREMENT PER TITLE 24 SEC. 132(b), EXCEPTION #2: "LIGHTING FOR ... PUBLIC MONUMENTS ... "
- POOL AREA LIGHTING IS NOT REGULATED BY TITLE 24 REQUIREMENTS, AS PER TABLE 6-1, OF SECTION 6.1.2 "SCOPE OF APPLICATION", OF 2005 NON-RESIDENTIAL COMPLIANCE MANUAL.



McCarthy Building Companies, Inc. 343 Sansome Street, 14th Floor San Francisco, California 94104 P 415 | 364-1339 F 415 | 397-5999





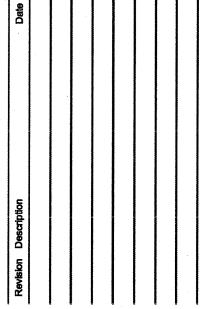


FILE NUMBER:



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n Mateo, CA



Date	19 SEPT 2008	09 APRIL 2009				
	SEPT	APRIL				
	19	60				
Revision Description	DSA SUBMITTAL	DSA FINAL				

Job. No. 300085

Date 09 APRIL 2009

Drawn by REI CAD TEAM

Checked by TH/SF/RW

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