CERTIFICATE OF COMPLIANCE (Part 1 of 2) OLTG-1-0	LIGHTING COMPLIANCE SUMMARY (Part 1 of 4) OLTG-2-C	ILLUMINATED AREA CALCULATION WORKSHEEF art 4 of 5) OLTG-3-C PROJECT NAME DATE DATE
PROJECT NAME Sanford Consortium for Regenerative Medicine 1/23/2009 PROJECT ADDRESS La Jolla, CA	Project Name Sanford Consortium for Regenerative Medicine Date 1/23/2009	Sanford Consortium for Regenerative Medicine Ornamental Lighting, Canopies, Vehicle Service Station Hardscape, and Outdoor Dining
PRINCIPAL DESIGNER - LIGHTING X-NTH TELEPHONE (858) 597-0555 DOCUMENTATION AUTHOR TELEPHONE Checked by/Date	LIGHTING POWER ALLOWANCES - GENERAL SITE ILLUMINATION - (Table 147-A) Allotted Watts Luminaire Lamps/Ballasts Installed Watts A B C D F F G H I J K L M N O	A B C D E F G Areas (SF) to Subtract from within the Illuminated Area Area between poles or luminaires Overlapping areas Overlapping areas
X-NTH (858) 597-0555 Enforcement Agency Use GENERAL INFORMATION DATE OF PLANS OUTDOOR LIGHTING ZONE	Installe (Lxmin If CEC Watte Lumin If CEC Watte Lumin Lumin Unit CEC Watte Lumin Watte Lumin Watte Lamp Lumin Unit CEC Gut Design (B) Allottee Wift:	Lighting Application (Table 147-B) Ornamental Lighting Telephone Gross Illuminated Area of Application (SF) Ornamental Lighting Telephone Gross Illuminated Application of Liminaires that are > 6 times application or luminaire application or luminaire application or luminaire structures Overlapping areas of another application or distance (C + D + E) Ornamental Lighting Telephone Te
01/26/09	Lighting Application Category (Table 147-A) Category	
PHASE OF CONSTRUCTION NEW CONSTRUCTION ADDITION ALTERATION STATEMENT OF COMPLIANCE	HKA1 - low pressure sodium X LPS 1 180 1.0 220.0 X 12 2,640 HKA - low pressure sodium X LPS 1 180 1.0 220.0 X 12 2,640	
This Certificate of Compliance lists the 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 completed and com		
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 Sections 110, 119, 130 through 132, and 146, and 149 of Title 24, Part 6. Please Check One: (These sections of the Business and Professions Code are printed in full in the Nonresidential Manual.)		
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 exemption to 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 purfuent to Business and Professions Code Sections 5537, 5538 and 6737.1.		Checklist Section 147 (c)1 B - Each portion of all illuminated areas has been assigned only one lighting application, and the applications are consistent with actual use of the areas.
Sections 5537, 5538 and 6737.1. PRINCIPAL LIGHTING DESIGNER - NAME Jamie Schnick SIGNATURE 1/23/2009 LIC. # 1/23/2009 E014222		Section 147 (c)1 C - The area of ornamental lighting includes no more than the total area of the site external to building. Luminaires used for ornamental lighting employ lamps rated 100 watts or less, and are not used to determine LPD for general illumination. Section 147 (c)2 D - Measured in plan view, the areas of illuminated canopies include the horizontal projection of the canopies.
LIGHTING COMPLIANCE FORMS & WORKSHEETS (Check box if worksheet is included)		Section 147 (c)1 F - The area of vehicle service station hardscape includes only illuminated hardscape areas beyond the horizontal projection of the canopy in plan view. Section 147 (c)1 I - The area of outdoor dining area includes only illuminated hardscape areas used to serve and consume food and beverages.
☑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:		
 Use LTG-1-C if the project consists solely of indoor signs. Use LTG-1-C if the project consists of indoor lighting, outdoor or indoor signs, but no other outdoor lighting. Use OLTG-1-C if the project consists solely of outdoor signs. Use OLTG-1-C if the project consists of outdoor lighting, outdoor or indoor signs, but no other indoor lighting. 	Total Allotted Watts 39,695 Total Installed Watts 25,114	
☑OLTG-2-C: LIGHTING COMPLIANCE SUMMARY. Applicable parts required for ALL outdoor lighting allowances (Except Signs). ☑OLTG-3-C: AREA CALCULATIONS WORKSHEET. Applicable parts required for all outdoor area calculations.		
SOLTG-4-C: SIGN LIGHTING COMPLIANCE. Required for all internally and externally illuminated signs, for both indoor and outdoor signs. EnergyPro 4.4 by EnergySoft User Number: 3111 Job Number: 2008184 Page:1 of 8		EnergyPro 4.4 by EnergySoft User Number: 3111 Job Number: 2008184 Page:7 of 8
	EnergyPro 4.4 by EnergySoft User Number: 3111 Job Number: 2008184 Page:4 of 8	
CERTIFICATE OF COMPLIANCE (Part 2 of 2) OLTG-1-C	LIGHTING COMPLIANCE SUMMARY (Part 3 of 4) OLTG-2-C	LIGHTING INSPECTION CHECKLIST LTG-I
PROJECT NAME Sanford Consortium for Regenerative Medicine DATE 1/23/2009	Project Name Sanford Consortium for Regenerative Medicine Date 1/23/2009	PROJECT NAME Sanford Consortium for Regenerative Medicine INSPECTION DATE 1/23/2009
Lighting Schedules on Plans Show that Outdoor Lighting Meets Allowed Lighting Power X Lighting power allowance for general site illumination on OLTG-2-C Part 1 of 4	LIGHTING POWER ALLOWANCE FOR SPECIFIC APPLICATIONS (Table 147-B) - Other than Vehicle Station without Canopies Allotted Watts Luminaire Lamps/Ballasts Design Watts	
Not Applicable Lighting power allowance for local ordinances or for security multipliers on OLTG-2-C Part 2 of 4	A B C D E F G H I J K L M N O P	FIXTURE CODE TYPE DESCRIPTION LAMP QUANT. FIXTURES FIXTURE FIELD NOTES (2) 4 ft Fluorescent T8 Energy Savings Elec F32T8 2 136 54.0
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	Illowed Watts Alin of D or O Installed Watts (L x N) Number of Luminaires CEC Default Watts per Luminaires Watts per Luminaire Lamp Type Cutoff Cutof	(4) 4 ft Fluorescent T8 Energy Savings Elec F32T8 4 107 104.0 60w Recessed Incandescent 60W 1 12 60.0
Lighting power allowances for vehicle service station canopies on OLTG-2-C part 4 of 4 X Not Applicable	Landscape 76,028 0.02 1,521 HEA - flood light 42w CFTF 1 42 1.0 46.0 X 2 92 155 IEA IEA - die cast aluminum led LED 1 6 6.0 X 6 36 CED - in grade adjustable led LED 1 6 X 7 7 7	
X Sign lighting compliance on OLTG-4-C Not Applicable	CEC - in grade led LED 1 1 1.0 X 7 7 7 LED 1 1.0 X 20 20	
Mandatory Measures on Plans Show that Outdoor Lighting Meets Outdoor Lighting Controls And Equipment X Installed lighting power has been determined in accordance with Section 130(c)1 Not Applicable		
All permanently installed luminaires with lamps rated over 100 Watts either have a lamp efficacy of at least 60 lumins per Watt or are controlled by a motion sensor per Section 132(a)		
Not Applicable X All Luminaires with lamps rated greater than 175 Watts in hardscape area, including parking lots, building entrances, canopies, and all outdoor sales areas meet the Cutoff Requirements of Section 132(b)		
Not Applicable X All permanently installed outdoor lighting meets the control requirements of Section 132(c)1		
Not Applicable Building facades, parking lots, garages, canopies, and outdoor sales areas meet the Multi-Level Lighting Requirements of Section 132(c) Not Applicable		
MANDATORY AUTOMATIC CONTROLS		
CONTROL LOCATION (Room #) CONTROL TYPE (Auto Time Switch, Dimming, etc.) AREA CONTROLLED NOTE TO FIELD		
		Type DESCRIPTION
		MH METAL HALIDE INC INCANDESCENT
		INC/LV INCANDESCENT LOW VOLTAGE CFL COMPACT FLUORESCENT FL FLUORESCENT
		O OTHER
EnergyPro 4.4 by EnergySoft User Number: 3111 Job Number: 2008184 Page:2 of 8	EnergyPro 4.4 by EnergySoft User Number: 3111 Job Number: 2008184 Page:5 of 8	EnergyPro 4.4 by EnergySoft User Number: 3111 Job Number: 2008184 Page:8 of 8
LIGHTING COMPLIANCE SUMMARY (Part 1 of 4) OLTG-2-C	ILLUMINATED AREA CALCULATION WORKSHEEP art 1 of 5) OLTG-3-C PROJECT NAME	
Project Name Sanford Consortium for Regenerative Medicine 1/23/2009	Sanford Consortium for Regenerative Medicine 1/23/2009 Hardscape - Method (i) A. Hardscape for automotive vehicular use, including parking lots, driveways and site roads.	
LIGHTING POWER ALLOWANCES - GENERAL SITE ILLUMINATION - (Table 147-A) Allotted Watts A B C D E F G H I J K L M N O	A B C D E F G H Actual Paved Area + 5	
nstalled W (L × N) Number Luminair Rect Designat Lamp Type Cutoff Designat Lamp Number Luminair Rect Designat Lamp Luminair	planters and land. Includes planters and landscaped areas less that landscaped areas less landscaped areas la	
Lighting Application Category (Table 147-A) Ext corridor fourth floor 2,828 0.17 481 CAV Description Desc	Lighting Application (Table 147-B) enclosed by hardscape on at least 3 sides. Cooling tower 1.620 0 0 0 0 0 1.620 ramp 12.871 0 0 0 0 0 0 12.871	
CWH - metal halide wall CMH 1 35 1.0 44.0 X 20 880 Ext. corridor third floor 2,843 0.17 483 Stair Rail LED 1 2 1.0 180.0 X 180 CWH - metal halide wall CWH	parking lot 209,946 0 0 0 0 0 209,946	
Sconce CMH 1 35 1.0 44.0 X 20 880		
FUCE - narrow slot fluorescert F28T5 1 28 1.0 3,270.0 X 1 3,270 FCJ - curvable led LED 1 1 96.0 X 1 96		
CEB - ceramic metal halide		
CWH - metal halide wall CMH 1 35 1.0 44.0 X 20 880 Cooling tower 1,620 0.15 243 CWD - wall pack CFTR 1 32 1.0 35.0 X 8 280 Extracreficer terrace first floor	B. Hardscape for pedestian use, including plazas, sidewalks, walkways and bikeways A B C D E F G H	
Ext corridor terrace first floor 916 0.17 156 Stair Rail LED 1 2 1.0 180.0 X 1 180 CWH - metal halide wall sconce CMH 1 35 1.0 44.0 X 4 176 sidewalk CWH - metal halide wall C	Areas (SF) to Subtract from within the Illuminated Area Actual Paved Area + 5' of Area between unpaved land on either side of path of travel. Side of path of travel.	
15,824 0.17 2,690 sconce CMH 1 35 1.0 44.0 X 4 176 CEA - fluor. bollard with shield 42w CFTF 1 42 1.0 46.0 X 13 598 CEA - fluor. cast aluminum 1.0 0.0000	Shall include all contiguous paved area distance (If Applicable) Lighting Application (Table 147-B) Shall include all contiguous paved area distance (If Applicable) Shall include all are 5 ft times the areas of another of another application or Building by signs or to subtract (If Applicable) Illuminated Area other structures (C + D + E + F) (B - G)	
Soliard 42w CFTR 1 42 1.0 46.0 X 21 966	Ext corridor fourth floor 2,828 0 0 0 0 0 2.828 Ext corridor third floor 2,843 0 0 0 0 0 2,843	
CWI CMH 1 35 1.0 44.0 X 4 176 CWH - metal halide wall sconce CMH 1 35 1.0 44.0 X 4 176	Ext corridor second floor 13,054 0 0 0 0 0 13,054 Ext corridor terrace first floor 916 0 0 0 0 916 sidewalk 15,824 0 0 0 0 0 15,824	
Parking lot 209,946 0.15 31,492 HEA - flood light 42w CFTR 1 42 1.0 46.0 X 6 276	10.024	
HKC - low pressure sodium		
Total Allotted Watts 39,695 Total Installed Watts 25,114	Checklist	
	Section 147 (c)1 B - Each portion of all illuminated areas has been assigned only one lighting application, and the applications are consistent with actual use of the areas. Section 147 (c)1 A - 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	
EnergyPro 4.4 by EnergySoft User Number: 3111 Job Number: 2008184 Page:3 of 8	property lines, or obstructed by signs or other structures. EnergyPro 4.4 by EnergySoft User Number: 3111 Job Number: 2008184 Page:6 of 8	

Warning: It is a violation of the law for any person, unless acting under the direction of a licensed architect, to alter an item in any way. If an item in this document is altered by follows by his signiture and the date of such alteration, and the specific description of the alteration.

MEDICINE SANFORD CONSORTIUM FOR REGENERATIVE

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ISSUED FOR DATE

Pre-Schematic Design 07/14/2008

Schematic Design 07/28/2008

BID PK #1 10/06/2008

BID PK #1 80 CD 12/01/2008

BID PK #1 100 CD 02/16/2009

BID PK #2 100 CD 03/26/2009

PRELIMINARY DRAWINGS

CONSTRUCTION DRAWINGS

PROGRESS DRAWINGS REVIEW DRAWINGS

