VOLTAGE 120/208V 3ø, 4W. BUS AMPS 225A MAIN BREAKER ☐ ____ A.F. ____ A.T. LUGS ONLY ☒

PANEL "CE"

LOCATION SEE PLAN; TOP FEED ☒ BOTTOM FEED ☐ SURFACE MTG. ☒ FLUSH MTG. ☐ REMARKS ____

DESCRIPTION	A	B	C	LCL	L	R	M	CB	CKT	CKT	CB	L	R	M	LCL	A	B	C	DESCRIPTION
SPACE									1	2	40A-1P			1		3000			EWH
SPACE									3	4	20A-1P		4				720		CONV.
ROOF REC.			180			1		20A-1P	5	6			4					720	CONV.
SPARE									7	8				1	°	1200			SIGN
LTG		580		°	10				9	10			1				1600		SHOW WINDOW
LTG			58	°	1				11	12			1					1600	SHOW WINDOW
~~RESTROOM LTG/FAN~~	~~128~~			°	1		1		13	14				1	°	1200			SIGN
HP-2.5 TON		2280						25A-3P	15	16							1600		SHOW WINDOW
–			2280					–	17	18								1600	SHOW WINDOW
–	2280							–	19	20									SPARE
									21	22									
									23	24									
									25	26									
									27	28									
									29	30									
									31	32									
									33	34									
									35	36									
									37	38									
									39	40									
									41	42									
SUB TOTALS	2408	2860	2518													5400	3920	3920	SUB TOTALS

CONN. PHASE TOTAL: A 7808 B 6780 C 6438 ; CONN. PANEL TOTAL 21026 VA; MAX. CONN. LINE CURRENT 65 AMPS

(KVA) PANEL TOTAL 21.03 + L.C.L. (,25) 0.79 = 21.82 KVA; BALANCED CURRENT 61 AMPS; DESIGN LOAD ____ KVA

VOLTAGE 120/208V 3ø, 4W. BUS AMPS 225A MAIN BREAKER ☐ ____ A.F. ____ A.T. LUGS ONLY ☒

PANEL "CF"

LOCATION SEE PLAN; TOP FEED ☒ BOTTOM FEED ☐ SURFACE MTG. ☒ FLUSH MTG. ☐ REMARKS ____

DESCRIPTION	A	B	C	LCL	L	R	M	CB	CKT	CKT	CB	L	R	M	LCL	A	B	C	DESCRIPTION
SPACE									1	2	40A-1P			1		3000			EWH
SPACE									3	4	20A-1P		4				720		CONV.
ROOF REC.			180			1		20A-1P	5	6			4					720	CONV.
SPARE									7	8				1	°	1200			SIGN
LTG		580		°	10				9	10			1				1600		SHOW WINDOW
LTG			58	°	1				11	12			1					1600	SHOW WINDOW
~~RESTROOM LTG/FAN~~	~~128~~			°	1		1		13	14				1	°	1200			SIGN
HP-2.5TON		2280						25A-3P	15	16			1				1600		SHOW WINDOW
–			2280					–	17	18			1					1600	SHOW WINDOW
–	2280							–	19	20									SPARE
									21	22									
									23	24									
									25	26									
									27	28									
									29	30									
									31	32									
									33	34									
									35	36									
									37	38									
									39	40									
									41	42									
SUB TOTALS	2408	2860	2518													5400	3920	3920	SUB TOTALS

CONN. PHASE TOTAL: A 7808 B 6780 C 6438 ; CONN. PANEL TOTAL 21026 VA; MAX. CONN. LINE CURRENT 65 AMPS

(KVA) PANEL TOTAL 21.03 + L.C.L. (,25) 0.79 = 21.82 KVA; BALANCED CURRENT 61 AMPS; DESIGN LOAD ____ KVA

VOLTAGE 120/208V 3ø, 4W. BUS AMPS 225A MAIN BREAKER ☐ ____ A.F. ____ A.T. LUGS ONLY ☒

PANEL "CG"

LOCATION SEE PLAN; TOP FEED ☒ BOTTOM FEED ☐ SURFACE MTG. ☒ FLUSH MTG. ☐ REMARKS ____

DESCRIPTION	A	B	C	LCL	L	R	M	CB	CKT	CKT	CB	L	R	M	LCL	A	B	C	DESCRIPTION
HP-3TON	3000						1	30A-3P	1	2	40A-1P			1		3000			EWH
–		3000						–	3	4	20A-1P		4				720		CONV.
–			3000					–	5	6			4					720	CONV.
ROOF REC.	180					1		20A-1P	7	8				1	°	1200			SIGN
LTG		580		°	10				9	10			1				1600		SHOW WINDOW
LTG			58	°	1				11	12			1					1600	SHOW WINDOW
RESTROOM LTG/FAN	128			°	1		1		13	14				1	°	1200			SIGN
SPARE									15	16							1600		SHOW WINDOW
									17	18								1600	
									19	20						1600			
									21	22							1600		
									23	24									
									25	26									
									27	28									
									29	30									
									31	32									
									33	34									
									35	36									
									37	38									
									39	40									
									41	42									
SUB TOTALS	3308	3580	3058													7000	5520	3920	SUB TOTALS

CONN. PHASE TOTAL: A 10308 B 9100 C 6978 ; CONN. PANEL TOTAL 26386 VA; MAX. CONN. LINE CURRENT 86 AMPS

(KVA) PANEL TOTAL 26.39 + L.C.L. (,25) 0.79 = 27.18 KVA; BALANCED CURRENT 75 AMPS; DESIGN LOAD ____ KVA

VOLTAGE 120/208V 3ø, 4W. BUS AMPS 125A MAIN BREAKER ☐ ____ A.F. ____ A.T. LUGS ONLY ☒

PANEL "HPA"

LOCATION SEE PLAN; TOP FEED ☒ BOTTOM FEED ☐ SURFACE MTG. ☒ FLUSH MTG. ☐ REMARKS ____

DESCRIPTION	A	B	C	LCL	L	R	M	CB	CKT	CKT	CB	L	R	M	LCL	A	B	C	DESCRIPTION
OUTDOOR LTG	600			°	6			20A-1P	1	2	20A-1P			1	°	1200			SIGN
OUTDOOR LTG		600		°	6				3	4	20A-2P			2	°		420		LIGHT POST
TEL. CABINET			180			1			5	6	–				°			420	–
T/C	100						1		7	8									
SPARE									9	10									
									11	12									
									13	14									
									15	16									
									17	18									
									19	20									
									21	22									
									23	24									
									25	26									
									27	28									
									29	30									
									31	32									
									33	34									
									35	36									
									37	38									
									39	40									
									41	42									
SUB TOTALS	700	600	180													1200	420	420	SUB TOTALS

CONN. PHASE TOTAL: A 1900 B 1020 C 600 ; CONN. PANEL TOTAL 3520 VA; MAX. CONN. LINE CURRENT 16 AMPS

(KVA) PANEL TOTAL 3.52 + L.C.L. (,25) 0.81 = 4.33 KVA; BALANCED CURRENT 12 AMPS; DESIGN LOAD ____ KVA

VOLTAGE 120/208V 3ø, 4W. BUS AMPS 125A MAIN BREAKER ☐ ____ A.F. ____ A.T. LUGS ONLY ☒

PANEL "HPB"

LOCATION SEE PLAN; TOP FEED ☒ BOTTOM FEED ☐ SURFACE MTG. ☒ FLUSH MTG. ☐ REMARKS ____

DESCRIPTION	A	B	C	LCL	L	R	M	CB	CKT	CKT	CB	L	R	M	LCL	A	B	C	DESCRIPTION
OUTDOOR LTG	1200			°	12			20A-1P	1	2									
OUTDOOR LTG		1200		°	12			20A-1P	3	4									
POLE LTG			885	°	6			20A-2P	5	6									
–	885			°				–	7	8									
POLE LTG		1033			7			20A-2P	9	10									
–			1033					–	11	12									
TEL. CABINET	180							20A-1P	13	14									
T/C		100							15	16									
SPARE									17	18									
									19	20									
									21	22									
									23	24									
									25	26									
									27	28									
									29	30									
									31	32									
									33	34									
									35	36									
									37	38									
									39	40									
									41	42									
SUB TOTALS	2265	2333	1918													0	0	0	SUB TOTALS

CONN. PHASE TOTAL: A 2265 B 2333 C 1918 ; CONN. PANEL TOTAL 6516 VA; MAX. CONN. LINE CURRENT 19 AMPS

(KVA) PANEL TOTAL 6.52 + L.C.L. (,25) 1.04 = 7.56 KVA; BALANCED CURRENT 21 AMPS; DESIGN LOAD ____ KVA

VOLTAGE 120/208V 3ø, 4W. BUS AMPS 125A MAIN BREAKER ☐ ____ A.F. ____ A.T. LUGS ONLY ☒

PANEL "HPC"

LOCATION SEE PLAN; TOP FEED ☒ BOTTOM FEED ☐ SURFACE MTG. ☒ FLUSH MTG. ☐ REMARKS ____

DESCRIPTION	A	B	C	LCL	L	R	M	CB	CKT	CKT	CB	L	R	M	LCL	A	B	C	DESCRIPTION
OUTDOOR LTG	1500			°	15			20A-1P	1	2									
OUTDOOR LTG		1500		°	15				3	4									
TEL. CABINET			180			1			5	6									
T/C	100						1		7	8									
SPARE									9	10									
									11	12									
									13	14									
									15	16									
									17	18									
									19	20									
									21	22									
									23	24									
									25	26									
									27	28									
									29	30									
									31	32									
									33	34									
									35	36									
									37	38									
									39	40									
									41	42									
SUB TOTALS	1600	1500	180													0	0	0	SUB TOTALS

CONN. PHASE TOTAL: A 1600 B 1500 C 180 ; CONN. PANEL TOTAL 3280 VA; MAX. CONN. LINE CURRENT 13 AMPS

(KVA) PANEL TOTAL 3.28 + L.C.L. (,25) 0.75 = 4.03 KVA; BALANCED CURRENT 11 AMPS; DESIGN LOAD ____ KVA

Certificate of Compliance (Page 1 of 4) OLTG-1C

Project Name: NEW SHOPPING CENTER. Date: 3/26/12

Project Address: 9606 FOOTHILL BLVD. RANCHO CUCAMONGA, CA. Total Hardscape Illuminated Area:

General Information

Phase of Construction: ☐ New Construction ☐ Addition ☐ Alteration

Documentation Author's Declaration Statement

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

Name: JOSEPH NASR. Signature: [signature]

Company: J.NASR ELECTRICAL ENGINEERS, INC. Date: 3/26/12

Address: 1411 N. BATAVIA STREET, SUITE 220. If Applicable CEA # CEPE #

City/State/Zip: ORANGE, CA. 92867. Phone: (714) 289-2621

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 features and performance specifications required for compliance with Title 24, Pages 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: JOSEPH NASR. Signature: [signature]

Company: J.NASR ELECTRICAL ENGINEERS, INC. Phone: (714) 289-2621

Address: 1411 N. BATAVIA STREET, SUITE 220. License #

City/State/Zip: ORANGE, CA. 92867. Date: 3/26/12

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 the 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 Measures Note Block: ____

LIGHTING COMPLIANCE FORMS & 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-1C Certificate of Compliance. All 4 pages required on plans for all submittals.
- ☐ OLTG-2C (Page 1 of 3) Lighting Wattage Allowances for General Hardscape, Sales Frontage, or Ornamental Lighting. Optional on plans.
- ☐ OLTG-2C (Page 2 of 3) Lighting Wattage Allowances 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.

2008 Nonresidential Compliance Forms — July 2010

Certificate of Compliance (Page 2 of 4) OLTG-1C

COMPLIANCE FIXTURE / LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

Project Name: NEW SHOPPING CENTER. Date: 3/26/12

INSTALLATION CERTIFICATE, OLTG-1-INST (Retain a copy and verify form is completed and signed.) Field Inspection ☐

CERTIFICATE OF ACCEPTANCE, OLTG-2A (Retain a copy and verify form is completed and signed.) Field Inspection ☐

Name Or Item Tag (A)	Luminaire Description[1] See footnote below (i.e.: 1 lamp pole-top shoe-box 400 watt metal halide) (B)	Cutoff Designation (C)	Watts per Luminaire (D)	Special Features (E)	Default from NA-8 (F)	According to §130 (d or e) (F)	Number of Luminaires (G)	Installed Watts (D x G) (H)	Pass	Fail
A	POLE LTG	Y	295	☐	☐	☐	9	2655	☐	☐
B	POLE LTG	Y	295	☐	☒	☐	4	1180	☐	☐
C	WALL SCONCE	Y	34	☐	☒	☐	66	2244	☐	☐

Enter total into OLTG-1C; Page 4 of 4; Row H; Total Installed Watts: 6079

1. Type of luminaire (i.e.: post top, wall pack, surface, shoebox); for non-incandescent luminaires indicate nominal lamp wattage and lamp type (i.e.: fluorescent, incandescent, HID); ballast type (i.e.: electronic or magnetic; number of lamps and number of ballasts per luminaire. For incandescent luminaires, the luminaire wattage listed in column D shall be the maximum relamping rated wattage on a permanent factory-installed label on the luminaire, NOT the wattage of the lamp (bulb) used, in accordance with Section 130(d) or e).
2. If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

EXEMPT LUMINAIRES — Field Inspection ☐

Name or Symbol	Description of exempt luminaires in accordance with §147

MANDATORY CONTROLS — Field Inspection ☐

#	Description	Location	#	Description	Location
1	TIME CLOCK	IN SIDE PANEL			

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.

Field Inspector Notes or Discrepancies:

2008 Nonresidential Compliance Forms — July 2010

Certificate of Compliance (Page 3 of 4) OLTG-1C

Project Name: NEW SHOPPING CENTER. Date: 3/26/12

A. OUTDOOR LIGHTING ZONE

OUTDOOR LIGHTING ZONE: ☒ OLZ 1 ☐ OLZ 2 ☒ OLZ 3 ☐ OLZ 4

Is the Outdoor Lighting Zone: ☒ Default in accordance with §10-114, or ☐ Amended by JHA

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

- ☒ The site is a government designated park, recreation area, wildlife preserve, or portion thereof, and has been designated as LZ2 or LZ3, in accordance with Table 10-114-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 §10-114(d) to the Executive Director.
- ☐ The adopted change is posted on the Energy Commission website.

B. ADDITIONAL LIGHTING POWER ALLOWANCE FOR ORDINANCE REQUIREMENTS

Are additional lighting power allowances for ordinance in Table 147-C used? ☐ Yes ☒ No

Complete the information below if additional lighting power allowances for ordinance requirements 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 §10-114(f) 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 OLTG-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 N/C Section in the Appendix of the Nonresidential Reference Appendices Manual describes the test. Since 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 whenever new lighting system with controls is installed in the building or space shall be certified as meeting the Acceptance Requirements. The OLTG-2A form is not considered a completed form and is not to be accepted by the enforcement agency unless the boxes are checked and/or filled and signed. In addition, a Certificate of Acceptance forms shall be submitted to the enforcement agency that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of §10-103(b) of Title 24 Part 6. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of the OLTG-2A for each different lighting luminaire control(s) must be provided to the owner of the building for their records.

Equipment Requiring Testing	Luminaires Controlled: Description	Number of Like Controls	Location	Certificate of Acceptance: OLTG-2A[1] Outdoor Lighting Acceptance Tests
TIME CLOCK	TIME CLOCK	1	OUTDOOR	

1. Insert: **OMS** for Outdoor Motion Sensor; **OLSC** for Outdoor Lighting Shutoff Controls; **OP** for Outdoor Photocontrol; **ATS** for Astronomical Time Switch, and, **STS** for Standard (non-astronomical) Time Switch acceptance.

2008 Nonresidential Compliance Forms — July 2010

CERTIFICATE OF COMPLIANCE (Page 4 of 4) OLTG-1C

Project Name: NEW SHOPPING CENTER. Date: 3/26/12

ALLOWED AND INSTALLED OUTDOOR LIGHTING POWER

		Lighting Wattage Power Allowance
A	Lighting power allowance for general hardscape (from OLTG-2C Page 1 of 3)	
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)	6079
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)	6079

Provided that the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances taken from OLTG-2C Pages 1 through 3, complies if Installed Wattage in row H is less than or equal to the Total Installed Wattage in row G ☒ Yes ☐ No

2008 Nonresidential Compliance Forms — July 2010

OUTDOOR LIGHTING WORKSHEET (Page 2 of 3) OLTG-2C

Project Name: NEW SHOPPING CENTER. Date: 3/26/12

D. SPECIFIC APPLICATION LIGHTING WATTAGE ALLOWANCE PER APPLICATION

Specific Lighting Application (A)	Number of Applications (B)	Specific Application Allowance (watts) (C)	Wattage Allowance (B x C) (D)	Luminaire Symbol (E)	Luminaire Type (F)	Luminaire Quantity (G)	Watts per Luminaire (H)	Design Watts (G x H) (I)	Allowed Watts Minimum of D or I (J)

Enter total into OLTG-1C; Page 4 of 4; Row D; Specific Application Wattage Allowance Per Application

E. SPECIFIC APPLICATION LIGHTING WATTAGE ALLOWANCE PER AREA

Specific Lighting Application (A)	Illuminated Area of Application (B)	Specific Application Allowance (watts per ft²) (C)	Wattage Allowance (B x C) (D)	Code for Luminaire Type (E)	Luminaire Type (F)	Luminaire Quantity (G)	Watts per Luminaire (H)	Design Watts (G x H) (I)	Allowed Watts Minimum of D or I (J)
DRIVE WAY & WALK WAY	55385	0.17	9415	A	POLE LTG	9	295	2655	6079
				B	POLE LTG	4	295	1180	
				C	WALL SCONCE	66	34	2244	

Enter total into OLTG-1C; Page 4 of 4; Row E; Specific Application Lighting Wattage Allowance Per Area: 6079

2008 Nonresidential Compliance Forms — March 2010

REVISIONS

DATE		
03-07-13	HVAC RELATED REV.	2

DEVELOPER: CALIFORNIA LIBERTY INVESTMENTS, 537 CERES AVE, LOS ANGELES, CA 90013

PROJECT: FOOTHILL RANCHO PLAZA, 9606 FOOTHILL BLVD, RANCHO CUCAMONGA, CA

LICENSED ENGINEER JOSEPH NASR E14879 REN.6/30/13 ELECTRICAL STATE OF CALIFORNIA

J.NASR ENGINEERING, INC. ELECTRICAL ENGINEERS, 1411 N. BATAVIA ST., SUITE 220, ORANGE, CA. 92867, TEL (714) 289-2621 FAX (714)289-2624

GEORGE BEHNAM, AIA ARCHITECT, 1150 E. ORANGETHORPE # 109, PLACENTIA, CA 92870, (714)572-2384 FAX(714)572-2385, E-mail : GBehnam@sbcglobal.net

THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS, AS INSTRUMENTS OF THIS SERVICE, ARE THE EXCLUSIVE PROPERTY OF THE ARCHITECT, THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE THEY WERE PREPARED. REUSE, REPRODUCTION OR PUBLICATION BY ANY MEANS IS PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM THE ARCHITECT.

PROJECT NO: GII-090504
CAD DWG FILE:
DRAWN BY : M.M.
CHECKED BY: G.B.
SCALE: NOTED
DATE : 09-08-09

SHEET TITLE: PANEL SCH. OUTDOOR T-24

SHEET E0.3