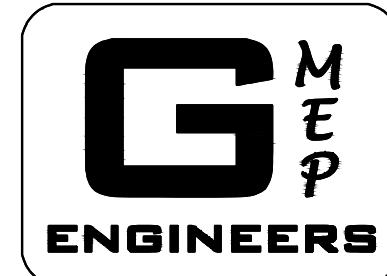


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CONSULTANTS



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Lake Forest, CA 92630
Tel: 949-267-9095

PROGRESS SET
NOT FOR PERMIT
NOT FOR BID

PROJECT:

**Commercial
Tenant Improvement**
for

Cafe Bonaparte
219 Avenue I, Suite 200

Redondo Beach, CA 90277

MARK	DATE	DESCRIPTION
01	01/14/22	50% CD

DMA PROJECT NO: 21025.00
COPYRIGHT: MOREAU ARCHITECTS 2022

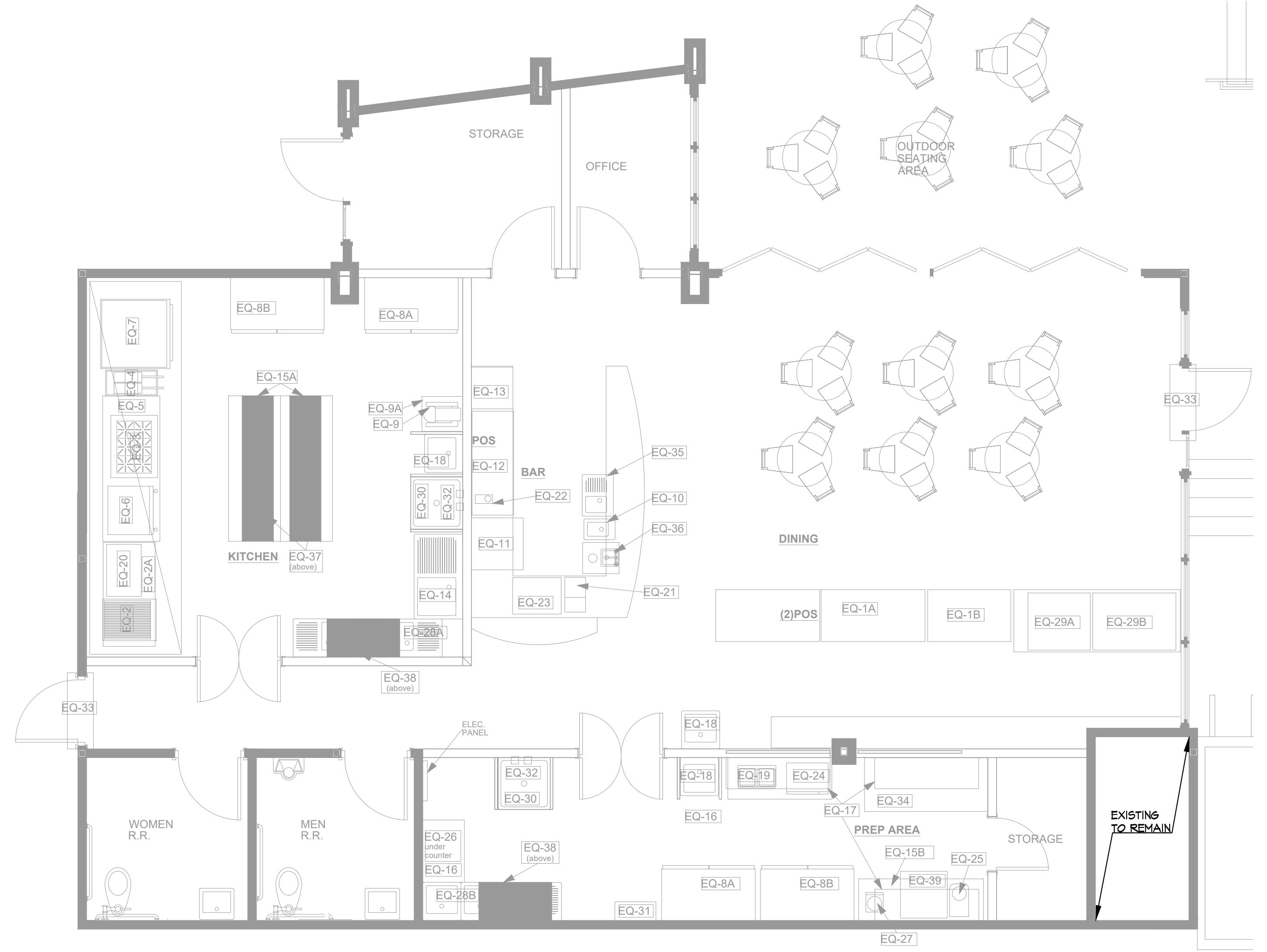
CITY APPROVAL

CITY OF REDONDO BEACH
PROJECT NO: TBD

SHEET TITLE

ELECTRICAL POWER PLAN & SCHEDULE

E-2.0



ELECTRICAL POWER PLAN

SCALE: 1/4"=1'-0"

ELECTRICAL LIGHTING PLAN

SCALE: 1/4"=1'-0"

LIGHTING FIXTURE SCHEDULE										
MARK	LEGEND	VOLT	COUNT	MOUNT	DESCRIPTION	MANUFACTURER	MODEL NUMBER	LAMPS	INPUT WATTS	NOTES
LF-1 7.5	○	120	16	PENDANT	14" GLOBE PENDANT WITH LED DIMMABLE BULB	LAMPS PLUS/FEIT	TX138 OM100DM/927CA/2	LED	17.5	OR APPROVED EQUAL
LF-2 7	○	120	10	PENDANT	14" WIDE OIL-RUBBED BRONZE PENDANT LIGHT	LAMPS PLUS	TY943	LED	7	OR APPROVED EQUAL
LF-3 8.9	○	120	15	RECESSED	6" RECESSED CAN LIGHT	JUNO LIGHTING	45AY09	LED	8.9	OR APPROVED EQUAL
LF-4 32	—	120	7	SURFACE	1X4 SURFACE MOUNT	LITHONIA	SBL4 LP035 (C-254RKP)	LED	32	OR APPROVED EQUAL
LF-5 32	□	120	7	SURFACE	2X4 LED RECESSED TROFFER	LITHONIA	2ALL94-40L-EZI-LP030	LED	32	OR APPROVED EQUAL
EM II	◀	120	2	SURFACE	EMERGENCY LIGHTING W/90 MINUTE BATTERY PACK	LITHONIA	ELM6	LED	11	OR APPROVED EQUAL
X 3	⊗	120	2	SURFACE	EXIT SIGN W/90 MINUTE BATTERY PACK	LITHONIA	LHQM-LED	LED	3	OR APPROVED EQUAL

NOTES:

- 1) VERIFY WITH OWNER OR ARCHITECT BEFORE PURCHASING THE LIGHTING FIXTURES.
- 2) LIGHTING ABOVE FOOD OR UTENSILS SHALL BE SHAFTERPROOF.

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 04/21)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: 219 AVENUE I

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Date Prepared:

01/13/2022

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

*Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Building Level Controls

01	02	03
Mandatory Demand Response §110.12(c)	Shut-Off Controls §130.1(c)	Field Inspector <input type="checkbox"/> Pass <input type="checkbox"/> Fail
Not Required ≤ 10,000 SF	See Area/Space Level Controls	<input type="checkbox"/> <input type="checkbox"/>

Area Level Controls

04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Skylit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector <input type="checkbox"/> Pass <input type="checkbox"/> Fail
PREP AREA	Kitchen, Food Preparation	Manual ON/OFF	Dimmer	Auto Timeswitch	NA	NA	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
KITCHEN	Kitchen, Food Preparation	Manual ON/OFF	Dimmer	Auto Timeswitch	NA	NA	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
DINING	Financial Transaction	Manual ON/OFF	Dimmer	Auto Timeswitch	Included	Included	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
BAR/SERVICE	Financial Transaction	Manual ON/OFF	Dimmer	Auto Timeswitch	NA	NA	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
HALLWAY	Kitchen, Food Preparation	Manual ON/OFF	Dimmer	Auto Timeswitch	NA	NA	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
STORAGE	Commercial and Industrial Storage	Manual ON/OFF	Exempt*	Occ. Sensor	NA	NA	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
OFFICE	Office (≤ 250 square feet)	Manual ON/OFF	Dimmer	Occ. Sensor	NA	NA	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
RESTROOMS	Restroom	Manual ON/OFF	Exempt*	Occ. Sensor	NA	NA	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

STATE OF CALIFORNIA

Indoor Lighting

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Controls Compliance (See Table H for Details)	COMPLIES with Exceptional Conditions
Rated Power Reduction Compliance (See Table Q for Details)	Not Applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table H Indoor Lighting Controls Permit Applicant Notes:

STORAGE : ENCLOSED AREA LESSTHAN 100 SQUARE FT

RESTROOMS : ENCLOSED AREA LESSTHAN 100 SQUARE FT

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change ¹	Watts per luminaire ²	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector
									Pass Fail
LF-1	14" GLOBE PENDANT W/ LED DIMM	<input type="checkbox"/>	<input type="checkbox"/>	17.5	Mfr. Spec ²	16	<input type="checkbox"/>	280	<input type="checkbox"/> <input type="checkbox"/>
LF-2	14" OIL-RUBBED BRONZE PENDANT	<input type="checkbox"/>	<input type="checkbox"/>	7	Mfr. Spec ²	10	<input type="checkbox"/>	70	<input type="checkbox"/> <input type="checkbox"/>
LF-3	6" RECESSED CAN LIGHT	<input type="checkbox"/>	<input type="checkbox"/>	8.9	Mfr. Spec ²	15	<input type="checkbox"/>	133.5	<input type="checkbox"/> <input type="checkbox"/>
LF-4	1X4 SURFACE MOUNT	<input type="checkbox"/>	<input type="checkbox"/>	32	Mfr. Spec ²	7	<input type="checkbox"/>	224	<input type="checkbox"/> <input type="checkbox"/>
LF-5	LED 2X4 SURFACE MOUNT	<input type="checkbox"/>	<input type="checkbox"/>	32	Mfr. Spec ²	7	<input type="checkbox"/>	224	<input type="checkbox"/> <input type="checkbox"/>
Total Designed Watts CONDITIONED SPACES:								931.5	

¹FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

²Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 04/21)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

This document is used to demonstrate compliance with requirements in [§110.9](#), [§110.12\(c\)](#), [§130.0](#), [§130.1](#), [§140.6](#), and [§141.0\(b\)2](#) for indoor lighting scopes using the prescriptive path.

Project Name: 219 AVENUE I

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Project Address: 219 AVENUE I, REDONDO BEACH, CA 90277

Date Prepared:

01/13/2022

A. GENERAL INFORMATION

01	Project Location (city)	REDONDO BEACH	04	Total Conditioned Floor Area (ft ²)	1,735
02	Climate Zone	6	05	Total Unconditioned Floor Area (ft ²)	
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	
<input type="checkbox"/>	Office	<input checked="" type="checkbox"/> Retail	<input type="checkbox"/> Warehouse	<input type="checkbox"/> Hotel/Motel	<input type="checkbox"/> School
<input type="checkbox"/>	Parking Garage	<input type="checkbox"/> High-Rise Residential	<input type="checkbox"/> Relocatable	<input type="checkbox"/> Healthcare	<input checked="" type="checkbox"/> Support Areas Other (write in): CAFE

B. PROJECT SCOPE

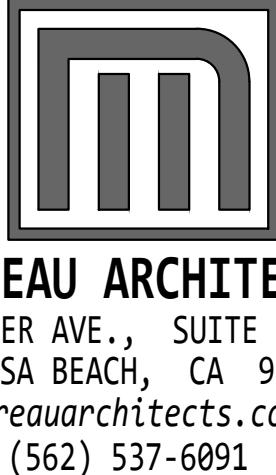
Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in [§140.6](#) or [§141.0\(b\)2](#) for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work		Conditioned Spaces		Unconditioned Spaces	
01		02	03	04	05
My Project Consists of (check all that apply):		Calculation Method		Area (ft ²)	
<input type="checkbox"/> New Lighting System				Calculation Method	
<input checked="" type="checkbox"/> Altered Lighting System		Area Category		1,735	
Total Area of Work (ft ²)		1,735			

C. COMPLIANCE RESULTS

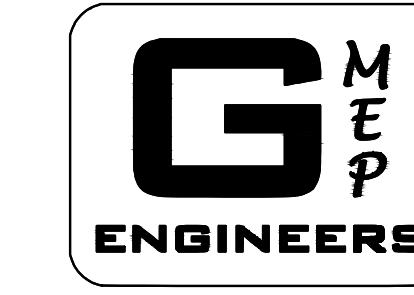
Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1 .	Allowed Lighting Power per §140.6(b) (Watts)					Adjusted Lighting Power per §140.6(a) (Watts)			Compliance Results
	01	02	03	04	05	06	07	08	
Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	=	Total Allowed (Watts)	Total Designed (Watts)	Adjustments PAF Control Credits §140.6(a)2 (-)	=	Total Adjusted (Watts) *Includes Adjustments
(See Table I)	(See Table I)	(See Table J)	(See Table K)		(See Table F)	(See Table P)			05 Must be ≥ 08 §140.6
Conditioned:		1,283.75		=	1,283.75	≥ 931.5		=	931.5
Unconditioned:				=		≥		=	COMPLIES



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**PROGRESS SET
NOT FOR PERMIT
NOT FOR BID**

PROJECT

Commercial Tenant Improvement *for*

Cafe Bonaparte

219 Avenue I, Suite 200

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

April 2021

STATE OF CALIFORNIA

Indoor Lighting

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CALIFORNIA ENERGY COMMISSION

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Project Address: 219 AVENUE I, REDONDO BEACH, CA 90277	Date Prepared:	01/13/2022

<input type="radio"/>	<input checked="" type="radio"/>	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

April 2021

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

April 2021

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 04/21)

CALIFORNIA ENERGY COMMISSION

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NRCC-LTI-E

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Date Prepared:

01/13/2022

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This Section Does Not Apply

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This Section Does Not Apply

R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS

This Section Does Not Apply

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCI-LTI-01-E - Must be submitted for all buildings	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

April 2021

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

April 2021

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 04/21)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: 219 AVENUE I

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Project Address: 219 AVENUE I, REDONDO BEACH, CA 90277

Date Prepared:

01/13/2022

***NOTES:** Controls with a * require a note in the space below explaining how compliance is achieved.

13

EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting;

Plan Sheet Showing Daylit Zones:

EXCEPTION 1 to §130.1(d)2

E-2.0

STORAGE **ENCLOSED AREA LESS THAN 100 SQUARE FT**

RESTROOMS **ENCLOSED AREA LESS THAN 100 SQUARE FT**

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft ²)	Area (ft ²)	Allowed Wattage (Watts)	Additional Allowances / Adjustment	
					Area Category	PAF
PREP AREA	Kitchen, Food Preparation	0.95	215	204.25	<input type="checkbox"/>	<input type="checkbox"/>
KITCHEN	Kitchen, Food Preparation	0.95	340	323	<input type="checkbox"/>	<input type="checkbox"/>
DINING	Dining - Bar/Fine	0.55	490	269.5	<input type="checkbox"/>	<input type="checkbox"/>
BAR/SERVICE	Financial Transaction	0.8	305	244	<input type="checkbox"/>	<input type="checkbox"/>
HALLWAY	Corridor	0.6	80	48	<input type="checkbox"/>	<input type="checkbox"/>
STORAGE	Commercial and Industrial Storage	0.6	120	72	<input type="checkbox"/>	<input type="checkbox"/>
OFFICE	Office (≤ 250 square feet)	0.7	55	38.5	<input type="checkbox"/>	<input type="checkbox"/>
RESTROOMS	Restroom	0.65	130	84.5	<input type="checkbox"/>	<input type="checkbox"/>
TOTAL:				1,735	1,283.75	See Tables J or P for detail

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This Section Does Not Apply

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

April 2021

MARK	DATE	DESCRIPTION
01	01/14/22	50% CD

DMA PROJECT NO: 21025.00

CITY APPROVAL

CITY APPROVAL

1. **What is the primary purpose of the study?** (e.g., to evaluate the effectiveness of a new treatment, to explore the relationship between two variables, to describe a population, etc.)

**CITY OF REDONDO BEACH
PROJECT NO: TBD**

SHEET TITLE

ELECTRICAL TEST

ELECTRONIC VOTING

F-T24