

- ELECTRICAL WIRING METHODS
- a) FOR UNDERGROUND AND EXPOSED UP TO +5'-0", OR DAMP LOCATION, THE CONDUIT SHALL BE RIGID STEEL GALVANIZED IMC. NO RUNNING THREADS ARE PERMITTED.

b) GALVANIZED EMT SHALL BE USED IN DRY CONCEALED LOCATIONS AND EXPOSED ABOVE +5'-0". EMT CONNECTORS SHALL BE WATERTIGHT COMPRESSION TYPE.

c) GALVANIZED FLEXIBLE CONDUIT SHALL BE USED ONLY FOR MOTOR AND FIXTURE CONNECTIONS IN LENGTHS NOT TO EXCEED 6'.

d) CONDUITS PENETRATING THE ROOF SHALL BE FLASHED AND COUNTER FLASHED.

e) PVC SCHEDULE 40 MAY BE USED UNDER FLOOR SLABS OR UNDERGROUND WITH GROUND WIRE. PVC UNDERGROUND TO HAVE 24 INCH COVER.

f) SERVICE CONDUITS SHALL BE PVC SCHEDULE 40 OR AS SPECIFIED BY UTILITY COMPANIES.

g) INSTALL FITTINGS, SPECIAL DEVICES AND MATERIAL, WHICH MAY BE REQUIRED FOR THE PROPER INSTALLATION OF THE CONDUIT SYSTEM.

h) REFER TO NEC 300.5 FOR UNDERGROUND INSTALLATION REQUIREMENTS AND DETAILS; NEC 300.6 FOR CORROSION AND DETERIORATION AREAS.

- LIGHTING FIXTURE NOTES
- a) ALL EQUIPMENTS MUST BE U.L. LISTED. NO EXCEPTION.

b) AUTO-RESETTING THERMAL PROTECTION MUST BE PROVIDED WHEREAS RECESSED INCANDESCENT LIGHTING FIXTURES ARE INSTALLED IN GYPBOARD CEILINGES.

c) PROVIDE U.L LISTED THERMAL BARRIER WHEREAS LIGHTING FIXTURES IN CONTACT WITH INSULATION. OR PROVIDE 3" MINIMUM CLEARANCE.

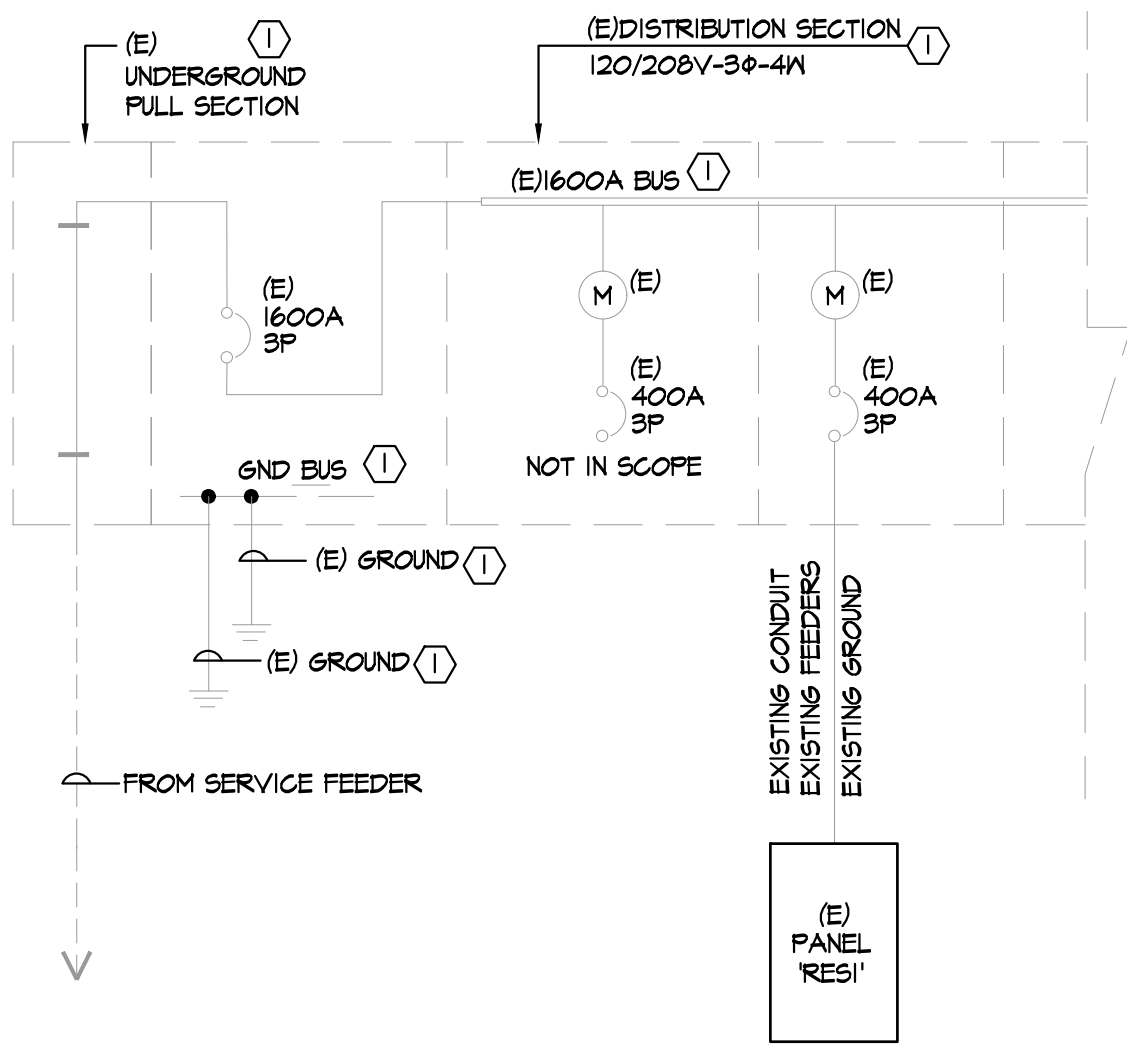
d) WHEN LIGHTING FIXTURES ARE INSTALLED IN FIRE RATED CEILINGES OR WALLS, AN APPROVED FIRE RESISTIVE MANNER CONSISTENT WITH FIRE RATINGS OF CEILING OR WALLS MUST BE PROVIDED. NO EXCEPTION.

e) REFER TO LATEST ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LIGHTING FIXTURE LOCATIONS.

f) CONFIRM WITH ARCHITECTURE FOR LIGHTING FIXTURE SPECIFICATIONS PRIOR TO ANY ORDER. NO EXCEPTION.

g) ALL FLUORESCENT LIGHTING FIXTURES MUST BE EQUIPPED WITH INTERNAL SWITCH TO DISCONNECT ALL CONDUCTORS TO BALLAST FROM THE SOURCE SIMULTANEOUSLY, INCLUDING THE GROUNDED CONDUCTOR IF ANY.

h) LIGHTING STANDARDS REQUIRE A SEPARATE PERMIT. ALL SIGN REQUIRE SEPARATE PERMITS AND APPROVALS ALSO. NO EXCEPTION.



ELECTRICAL SINGLE LINE
SCALE: NONE

- SINGLE-LINE DIAGRAM GENERAL NOTES
- a) ALL CONDUCTORS SHALL BE COPPER AS FOLLOWS:
#12 AWG AND SMALLER - SOLID, TM
#10 AWG AND LARGER - STRANDED, THIN, THIN OR XHHW
ALL CONDUCTORS SIZES ARE BASED ON 75°C TEMPERATURE RATING (NEC 2017 TABLE 310.16)

b) ALL NEW CIRCUIT BREAKERS, FUSIBLE SWITCHES IN MAINSWITCHBOARD OR PANEL BOARDS SHALL BE SERIES RATED TO MATCH EXISTING AIC RATING OR APPROVED EQUAL OR 65KAIC, UNLESS NOTED OTHERWISE.

c) MOTOR CIRCUIT PROTECTORS SHALL NOT BE A PART OF A SERIES COMBINATION INTERRUPTING RATING.

d) SERIES COMBINATION AIC RATING SHALL NOT BE USED WHEN THE SECONDARY EQUIPMENT IN THE SERIES IS SUBJECTED TO A TOTAL CONNECTED FULL LOAD MOTOR CURRENT OF MORE THAN 1% OF ITS AIC RATING.

e) EQUIPMENT ENCLOSURES SHALL BE CLEARLY MARKED "CAUTION-SERIES RATED SYSTEM - 65KAMPS AVAILABLE, IDENTIFIED REPLACEMENT COMPONENTS REQUIRED", IN COMPLIANCE WITH 2019 CEC (2017 NEC) SECTION 110-22. END USE EQUIPMENT SHALL ALSO BE MARKED WITH THE HIGHER SERIES COMBINATION INTERRUPTING RATING AS PER 2019 CEC SECTION 240-83(c). NO EXCEPTION.

f) FUSES SHALL BE PROVIDED WITH REJECTION TYPE FUSE HOLDERS.

g) ELECTRICAL EQUIPMENT SHALL BE LISTED BY THE CITY, WHERE THE PROJECT IS LOCATED, RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT.

h) NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN THE DEDICATED SPACE ABOVE THE ELECTRICAL EQUIPMENT.

i) MAIN SERVICE WILL NOT ENERGIZED PRIOR TO THE BUILDING INSPECTOR'S RECEIPT OF A THIRD PARTY "NRTL" TESTING LABORATORY PERFORMANCE TEST CERTIFICATION FOR THE SERVICE GROUND FAULT PROTECTION. 2017 NEC 230.45
- SINGLE-LINE DIAGRAM KEYED NOTES
- 1

THE EQUIPMENT SHOWN IS EXISTING UNDER A PREVIOUS APPROVED CONSTRUCTION PERMIT, NOT A PART OF THIS SUBMITTAL, UNLESS NOTED AS NEW.

- CAUTION
- GMEP ENGINEERS SHALL NOT BE RESPONSIBLE FOR ANY ELECTRICAL CHANGE ORDERS THAT MAY OCCUR SHOULD FINAL BIDS AND/OR CONSTRUCTION BASED ON THESE DOCUMENTS BE STARTED PRIOR TO ELECTRICAL PLAN CHECK APPROVAL.

ALL WORK TO COMPLY WITH THE 2019 CEC, CFC AND CMG AND THE 2019 CEC (2017 NEC) WITH STATE AND LOCAL AMENDMENTS.

ALL EQUIPMENTS SHALL BE U.L. LISTED AND INSTALLED ACCORDING TO THE LISTINGS.

CONDUCTORS:
ALL CONDUCTORS SHALL BE COPPER AS FOLLOWS:
#12 AWG AND SMALLER - SOLID, TM
#10 AWG AND LARGER - STRANDED, THIN, THIN OR XHHW
ALL CONDUCTORS SIZES ARE BASED ON 75°C TEMPERATURE RATING (NEC 2017 TABLE 310.16)

MOUNTING HEIGHT FOR RECEPTACLES AND CONTROL DEVICES:
a) THE BOTTOM OF ELECTRICAL AND COMMUNICATION RECEPTACLES INTENDED TO BE USED BY THE OCCUPANT SHALL BE LOCATED NO LESS THAN 15". [ADA ACCESSIBILITY GUIDELINES 4.27.3]
b) RECEPTACLE OUTLETS SHALL BE LOCATED ABOVE, BUT NOT MORE THAN 20 IN. ABOVE, THE COUNTERTOP. SUGGESTION HEIGHT IS 6" [NEC 210.52.C(5)]
c) THE TOP OF SWITCHES SHALL BE INSTALLED NOT LESS THAN 36" NOR MORE THAN 46" ABOVE THE FINISH FLOOR.
d) THERMOSTAT CONTROLS SHALL BE LOCATED NOT LESS THAN 36" NOR MORE THAN 46" ABOVE FINISH FLOOR LINE.

IMPORTANT BID NOTES:
a) DUE TO THE SMALL SCALE OF DRAWINGS, IT IS NOT ALWAYS POSSIBLE TO SHOW ALL DEVICES WHICH MAYBE REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS BEFORE SUBMITTING HIS BID. NO ADDITIONAL COMPENSATION WILL BE MADE FOR EXTRA DUE TO CONTRACTOR'S FAILURE TO VISIT THE JOB SITE AND/OR FAILURE TO DETERMINE ALL EXISTING CONDITIONS BEFORE SUBMITTING HIS BID.
b) REFER TO COMPLETE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES, SPECIFICATIONS, DETAILS, CONTROLS, ETC. REPORT TO ARCHITECTURE IMMEDIATELY IF ANY CONFLICTS OCCUR BETWEEN THE DRAWINGS AND INCLUDE ALL COST PER ARCHITECTURE'S CLARIFICATION IN BASE BID. THIS REQUIREMENT WILL BE STRICTLY ENFORCED. NO CHANGE ORDERS WILL BE ALLOWED IF THE CONTRACTOR FAILS TO PERFORM THIS FUNCTION.

- DEMOLITION NOTES
- a) THE DRAWINGS SHOW THE WORK TO BE IN PLACE AT THE COMPLETION OF INSTALLATION. MAKE NECESSARY ALTERNATIONS TO COORDINATE AND CONNECT THE EXISTING ELECTRICAL WORK WITH THE NEW SUCH THAT, WHEN THE WORK IS DONE, THE ENTIRE ELECTRICAL INSTALLATION, EXISTING AND NEW, IS IN COMPLETE OPERATING CONDITION.

b) UNLESS SPECIFICALLY NOTED ON THE CONTRARY, ALL EXISTING LIGHTING FIXTURES, SWITCHES, CONTROLS AND OTHER MATERIALS OR EQUIPMENTS WHICH ARE REPLACED BY NEW AND ARE NOT INDICATED TO BE REUSED SHALL BE RETURNED TO THE OWNER OR BE DISPOSED AS DIRECTED BY THE OWNER.

c) EXISTING MATERIAL TO REMAIN UPON COMPLETION IS INDICATED ON DRAWINGS AS EXISTING, FEEDERS (CONDUIT AND WIRES) ARE EXISTING TO THEIR RESPECTIVE SOURCE. ALTHOUGH NOT INDICATED ON THE DRAWINGS, TEMPORARY REMOVAL OR RE-ROUTE CONDUITS AND REPLACE EXISTING WIRES WITH NEW DURING CONSTRUCTION WORK MAYBE REQUIRED.

d) PROVIDE AND INSTALL NEW COVER PLATES FOR ALL REMOVED OUTLETS, SWITCHES, LIGHT FIXTURES, AND OTHER ELECTRICAL DEVICES WHEN THE OUTLET BOX IS TO REMAIN.

e) REMOVE ALL EXISTING ABANDONED FEEDERS (CONDUITS AND WIRES) BACK TO PANEL BOARDS. LABEL NEW PANEL DIRECTORY AS "SPARE".

f) MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS, EQUIPMENT, ETC., FED BY ABANDONED OUTLET. THEY SHOULD BE IN OPERATION AFTER THE WORK IS DONE. MAINTAINING CONTINUITY SHALL CONSIST OF RE-ROUTING OF CONDUIT AND WIRING, AS REQUIRED TO SUIT THE EXISTING CONDITIONS.

g) DASHED J-BOX DENOTES APPROXIMATE LOCATION OF EXISTING BOXES IN ACCESSIBLE CEILING SPACE. ALL CONDUIT SHOWN FROM J-BOX IS NEW UNLESS SHOWN OTHERWISE AS DASHED. REFER TO ELECTRICAL SYMBOL LIST.

h) EXISTING LOADS SHOWN ON PANEL SCHEDULES ARE BASED ON ASSUMPTIONS MADE BY FIELD VISIT, ELECTRICAL BILLS OR PUBLIC RESOURCES. NOTIFY ENGINEER IMMEDIATELY IF LOADS EXCEED 16 AMPS ON ANY 20A/1P CIRCUIT. NO EXCEPTION.

i) CAREFULLY REVIEW ARCHITECT'S DEMO DRAWINGS FOR LOCATION OF WALLS BEING REMOVED UNDER THIS SCOPE OF THIS WORK AND REMOVE ALL FEEDERS (CONDUITS AND WIRES) BACK TO LAST DEVICE LEFT IN SERVICE. DO NOT LEAVE ABANDONED.

j) CAREFULLY REVIEW ARCHITECT'S DEMO DRAWINGS FOR EXISTING FLOOR BOXES BEING REMOVED UNDER THIS SCOPE OF WORK. REMOVE FLOOR BOXES AND ALL FEEDERS (CONDUITS AND WIRES) BACK TO LAST DEVICE LEFT IN SERVICE. DO NOT LEAVE ABANDONED.

- GENERAL ELECTRICAL NOTES
- a) VERIFY IN FIELD. ADJUST THE LOCATIONS OF HOMERUNS AND CIRCUIT NUMBERS ACCORDING TO EXISTING CONDITIONS IF NEEDED. COMMUNICATE WITH ENGINEER IF DESIGN SHOULD BE ALTERNATED. NO EXCEPTION.

b) IDENTIFY ANY OBVIOUS EXISTING CODE VIOLATIONS THAT OCCURS AS AN EXISTING CONDITION AND PROVIDE SEPARATE PRICING TO CORRECT THE CONDITION SO THAT IN THE END, THE ENTIRE ELECTRICAL INSTALLATION COMPLIES WITH THE NATIONAL ELECTRICAL CODE AND ALL OTHER LOCAL CODES.

c) IF THERE IS ANY DEVIATION FROM THE CIRCUITRY SHOWN, PROVIDE AS-BUILT DRAWINGS INDICATING SUCH.

d) AT THE COMPLETION OF CONSTRUCTION WORK, AND PRIOR TO THE FINAL REVIEW BY THE ARCHITECT, PROVIDE PANEL DIRECTORIES IN PANELBOARD FRONTS REFLECTING ALL CHANGES MADE DURING CONSTRUCTION.

e) THIS DOCUMENT IS NOT FOR BID OR CONSTRUCTION UNTIL THE PLAN HAS BEEN REVIEWED AND APPROVED BY ALL AUTHORITIES HAVING JURISDICTION AND THE PERMIT IS OBTAINED. NO COMPENSATION WILL BE MADE FOR ADDITIONAL WORK DUE TO THE VIOLATION OF THIS REQUIREMENT.

ELECTRICAL SYMBOL LIST	
SYMBOL	DESCRIPTION
SECTION 1. SYMBOLS FOR CONDUITS	
←	HOMERUN TO PANEL OR EQUIPMENT AS NOTED
—	CONDUIT RUN CONCEALED IN WALL OR ABOVE FINISHED CEILING OR AS NOTED BRANCH CIRCUIT, 2#12 IN 1/2" CONDUIT OR AS NOTED OR SYMBOLIZED AS: — 1/2"C.-3 #12 — 3/4"C.-6 #12 — 1/2"C.-4#12 — 3/4"C.-7 #12 — 3/4"C.-5#12 — 3/4"C.-8#12
---	CONDUIT IN OR UNDER SURFACE AS NOTED, 3/4" MINIMUM SIZE.
—5—	CONDUIT RUN WITH EQUIPMENT GROUNDING CONDUCTOR, SAME SIZE AS CIRCUIT CONDUCTORS, OR AS NOTED.
—5IG—	CONDUIT RUN WITH ISOLATED GROUNDING CONDUCTOR, SAME SIZE AS CIRCUIT CONDUCTORS, OR AS NOTED.
—EM—	CONDUIT WITH EMERGENCY CIRCUIT
—X—	EXISTING CONDUIT TO REMAIN.
—R—	EXISTING CONDUIT TO BE REMOVED.
SECTION 2. EQUIPMENTS	
Ⓐ	ELECTRICAL PANELBOARD, FLUSH OR SURFACE MOUNTED AS INDICATED LETTERED BALLOON INDICATES DESIGNATION
ⓐ	JUNCTION BOX, ABOVE CEILING, OR AS REQUIRED TO SUIT THE APPLICATION
ⓓ	APPROXIMATE LOCATION OF EXISTING J-BOX IN ACCESSIBLE CEILING SPACE
△	DATA OUTLET IN WALL +18" OR AS NOTED. SINGLE GANG OUTLET BOX WITH 3/4" CONDUIT AND FULL WIRE TO ACCESSIBLE CEILING SPACE.
▲	COMBINATION TELE/DATA OUTLET BOX, +18" OR AS NOTED. SINGLE GANG OUTLET WITH 3/4" CONDUIT AND FULL WIRE TO ACCESSIBLE CEILING SPACE.
⌚	WALL MOUNTED 2 HOUR BY PASS TIMER (TORK #A500 SERIES)
\$EXH	EXHAUST FAN SWITCH, +48" OR AS NOTED ON MECHANICAL DRAWINGS
⦿	EXHAUST FAN, F.B.M, WIRED BY ELECTRICAL
□J	FUSED DISCONNECT SWITCH, SIZE AND FUSED AS NOTED ON PLAN
\$	SINGLE POLE SWITCH, +42" OR AS NOTED
H2	WALL MOUNTED DIMMER, 1000 WATT RATING OR AS NOTED. HEIGHTMOUNTING +42" A.F.F. OR AS NOTED.
H2OS	WALL MOUNTED DIMMER W/ OCCUPANCY SENSOR, LUTRON MAESTRO OR APPROVED EQUAL, HEIGHTMOUNTING +42" A.F.F. OR AS NOTED.
SECTION 3. RECEPTACLES	
ⓧ	DUPLEX RECEPTACLE FLUSH IN FLOOR BOX WITH DUPLEX HINGE COVERS
ⓧ	DUPLEX RECEPTACLE IN WALL 120V, 20AMPS, +18" A.F.F, 3" ABOVE COUNTER OR AS NOTED.
ⓧ	TWO-GANG DUPLEX RECEPTACLE (QUADPLEX) IN WALL, +18" A.F.F OR AS NOTED
ⓧGFI	GFI DUPLEX RECEPTACLE IN WALL, +42" A.F.F OR AS NOTED
ⓧ	DUPLEX RECEPTACLE (20 AMP) +18" OR AS NOTED (ON A SEPARATE CIRCUIT)
ⓧ	SPECIAL RECEPTACLE NEMA TYPE AS DESIGNATED, +18" OR AS NOTED
ⓧV	FLUSH POKE THRU COMBINATION TELE/DATA AND DUPLEX
ⓧ	DUPLEX PLUS RECEPTACLE, 120V, 20A, SHADED SIDE INDICATES "ISOLATED GROUND" TYPE DUPLEX RECEPTACLE, 18" A.F.F, 3" ABOVE COUNTER OR AS NOTED, DEVICE TO BE "ORANGE" IN COLOR.
SECTION 4. SENSORS	
⦿	WALL MOUNTED MOTION SENSOR (THE WATT STOPPER "XA-300"). OR EQUIVALENT.
SECTION 5. MISCELLANEOUS	
ⓧ	REFERENCE TO PLAN NOTES
• UP	CONDUIT STUBBED UP
° DN	CONDUIT STUBBED DOWN
(E)	DENOTES EXISTING TO REMAIN
(N)	DENOTES NEW TO MATCH EXISTING
(R)	DENOTES EXISTING RELOCATED DEVICE AT NEW LOCATION



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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

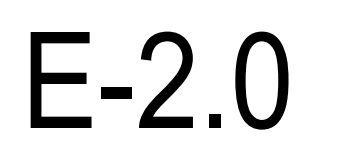
ELECTRICAL GENERAL NOTES
& SINGLE LINE

E-1.0



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

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

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 §130.12(c)		Shut-Off Controls §130.1(c)		Field Inspector				
		Not Required ≤ 10,000 SF		See Area/Space Level Controls		Pass Fail				
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/Sky/lt Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)	Field Inspector
PREP AREA		Kitchen, Food Preparation	Manual ON/OFF	Dimmer	Auto Timeswitch	NA	NA			
KITCHEN		Kitchen, Food Preparation	Manual ON/OFF	Dimmer	Auto Timeswitch	NA	NA			
DINING		Financial Transaction	Manual ON/OFF	Dimmer	Auto Timeswitch	NA	NA			
BAR/SERVICE		Financial Transaction	Manual ON/OFF	Dimmer	Auto Timeswitch	NA	NA			
HALLWAY		Kitchen, Food Preparation	Manual ON/OFF	Dimmer	Auto Timeswitch	NA	NA			
STORAGE		Commercial and Industrial Storage	Manual ON/OFF	Exempt*	Occ. Sensor	NA	NA			
OFFICE		Office (≥ 250 square feet)	Manual ON/OFF	Dimmer	Occ. Sensor	NA	NA			
RESTROOMS		Restroom	Manual ON/OFF	Exempt*	Occ. Sensor	NA	NA			

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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 LESS THAN 100 SQUARE FT
RESTROOMS : ENCLOSED AREA LESS THAN 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(c)(3)	Design Watts	Field Inspector
LF-1	14" GLOBE PENDANT W/ LED DIMM			17.5	Mfr. Spec ²	16		280	Pass Fail
LF-2	14" OIL-RUBBED BRONZE PENDANT			7	Mfr. Spec ²	10		70	
LF-3	6" RECESSED CAN LIGHT			8.9	Mfr. Spec ²	15		133.5	
LF-4	1X4 SURFACE MOUNT			32	Mfr. Spec ²	7		224	
LF-5	LED 2X4 SURFACE MOUNT			32	Mfr. Spec ²	7		224	
Total Designed Watts CONDITIONED SPACES:						931.5			

¹ FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §130.5(a)(8) 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.
² Authority 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.

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A. GENERAL INFORMATION

01 Project Location (city): REDONDO BEACH

04 Total Conditioned Floor Area (ft²): 1,735

02 Climate Zone: 6

05 Total Unconditioned Floor Area (ft²):

03 Occupancy Types Within Project (select all that apply):
☒ Office
☐ Retail
☐ Warehouse
☐ Parking Garage
☐ High-Rise Residential
☐ Relocatable
☐ Hotel/Motel
☐ Healthcare
☒ Other (write in): CAFE

06 # of Stories (Habitable Above Grade):

07 Support Areas:

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	06
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)	
<input type="checkbox"/> New Lighting System					
<input checked="" type="checkbox"/> Altered Lighting System	Area Category	1,735			
Total Area of Work (ft²)		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(a)(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	09
	Complete Building §140.6(c)(1)	Area Category §140.6(c)(2)	Area Category Additional §140.6(c)(3) (+)	Tailored §140.6(c)(4) (+)	Total Allowed (Watts)	Adjustments (Watts)	PAF Control Credits §140.6(a)(2) (*)	Total Adjusted (Watts) *Includes Adjustments	05 Must be ≥ 08 §140.6
(See Table I)	(See Table I)	(See Table I)	(See Table K)		= 1,283.75	≥ 931.5	(See Table P)	= 931.5	COMPLIES
Unconditioned:	1,283.75				=	≥		=	
Conditioned:					=	≥		=	
Table Continued									

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I. 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 type="radio"/>	<input checked="" type="radio"/>	NRCL-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="radio"/>	<input checked="" type="radio"/>	NRCL-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="radio"/>	<input checked="" type="radio"/>	NRCL-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	
<input type="radio"/>	<input checked="" type="radio"/>	NRCL-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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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 checked="" type="radio"/>	<input type="radio"/>	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).	

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CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: 219 AVENUE I

Report Page: Page 5 of 7

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

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://www2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/

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

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

Report Page: Page 7 of 7

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

Date Prepared: 01/13/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: GANGYI ZHOU

Documentation Author Signature: _____

Company: GMPE ENGINEERS

Signature Date: 01/13/2022

Address: 26439 RANCHO PARKWAY S., STE 120

CEA/ HERS Certification Identification (if applicable): _____

City/State/Zip: LAKE FOREST/CA/92630

Phone: 949-267-9095

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building provides to the building owner at occupancy.

Responsible Designer Name: GANGYI ZHOU

Responsible Designer Signature: _____

Company: GMPE ENGINEERS

Date Signed: 01/13/2022

Address: 26439 RANCHO PARKWAY S., STE 120

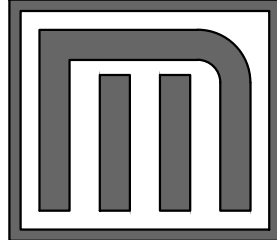
License: 018959

City/State/Zip: LAKE FOREST/CA/92630

Phone: 949-267-9095

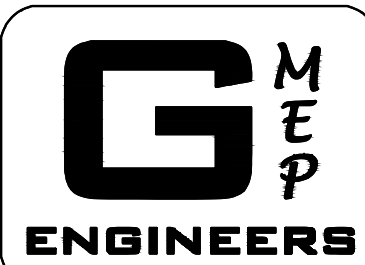
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

April 2021



MOREAU ARCHITECTS
783 PIER AVE., SUITE B-322
HERMOSA BEACH, CA 90254
moreauarchitects.com
(562) 537-6091

CONSULTANTS



26430 Rancho Pkwy. S. Ste 120
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
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CITY APPROVAL

CITY OF REDONDO BEACH
PROJECT NO: TBD

SHEET TITLE

ELECTRICAL T24

E-T24