GENERAL CONSTRUCTION NOTES

1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.
2. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK.
3. CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL OBTAIN INFORMATION AND BE FAMILIAR WITH ALL OTHER TRADES WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES ON PROJECT.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY AND PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.
5. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE ACCURATE "AS-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT.
6. ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
7. CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.
8. CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECTS PAINTING SECTION FOR REQUIREMENTS.
10. ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS.
11. ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM: TWO (2) #12s WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITRY ARE FOR ROUGH ESTIMATING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.
12. ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARED NEUTRALS ON MULTIWIRE CIRCUITS IS NOT ALLOWED.
13. ALL 120/277V LIGHT SWITCHES AND WALL OCCUPANT SENSORS SHALL HAVE A NEUTRAL INSTALLED TO THE DEVICE BOX EXCEPT WHERE A CONDUIT OR SURFACE RACEWAY SYSTEM IS INSTALLED.
14. COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS.
15. SEE ARCHITECTURAL DOCUMENTS FOR EXACT PLACEMENT OF LIGHTING FIXTURES AND DEVICES. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF CEILING TYPES FROM ARCHITECTURAL DOCUMENTS AND PROVIDE AND INSTALL ALL REQUIRED FIXTURE MOUNTING HARDWARE. PROVIDE AND INSTALL U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS.
16. FROM ALL NEW FLUSH MOUNT PANELS; THE CONTRACTOR SHALL STUB UP INTO ACCESSIBLE CEILING SPACE A MINIMUM OF FOUR (4) 3/4" CONDUITS FOR FUTURE USE.
17. CONTRACTOR SHALL PROVIDE IN EVERY NEW EMPTY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION.
18. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. CUT AND PATCH EXISTING WALLS WHERE NECESSARY. WHERE IT IS NECESSARY TO CUT OR BORE EXISTING STRUCTURAL WALLS FOR NEW ELECTRICAL WORK OBTAIN PERMISSION FROM THE ARCHITECT PRIOR TO STARTING WORK. REUSE EXISTING CONDUIT WHERE POSSIBLE.
19. WHERE IT IS NOT POSSIBLE TO REUSE EXISTING CONDUIT OR RUN NEW CONCEALED CONDUIT USE NON-METALLIC SURFACE RACEWAY AND BOXES. ROUTING OF ALL NON-METALLIC RACEWAYS SHALL BE APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
20. EXTENSION RINGS OR RESET BOXES TO BE FLUSH WITH NEW WALL THICKNESS.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO EXISTING UNDERGROUND SYSTEMS (GAS, WATER, TELEPHONE, ELECTRICAL, SEWER, ETC.). THE CONTRACTOR SHALL REPAIR & PAY ALL EXPENSES FOR DAMAGE TO EXISTING UNDERGROUND SYSTEMS AS A RESULT OF NEW WORK. REPAIR TO DAMAGED UNDERGROUND SYSTEMS SHALL BE TO THE OWNERS SATISFACTION WITHOUT EXTRA EXPENSE TO THE OWNER.
22. ALL INSTALLATION OF EXPOSED SURFACE MOUNTED RACEWAY IN PUBLIC AREAS SHALL BE REVIEWED BY ELECTRICAL ENGINEER BEFORE ROUGH-IN. CONTRACTOR IS TO DETERMINE THE ACCESSIBILITY OF ATTIC, FURRED SPACE, HOLLOW MULLIONS, ETC. IN EACH AREA AND REVIEW WITH ELECTRICAL ENGINEER. IF SYSTEM CAN BE ROUTED CONCEALED EITHER BY FISHING OR ACCESSIBILITY, CONTRACTOR IS TO DO SO. IF INACCESSIBILITY IS DETERMINED, CONTRACTOR SHALL INSTALL SURFACE MOUNTED RACEWAY IN THE MOST AESTHETICALLY PLEASING MEANS AS DETERMINED BY THE [ARCHITECT] [ELECTRICAL ENGINEER]. NO ALLOWANCE FOR ADDITIONAL COMPENSATION DUE TO ROUTING AS DIRECTED BY THE ELECTRICAL ENGINEER WILL BE MADE.
23. CONTRACTOR SHALL COORDINATE WITH PG&E, AT&T & PAY ALL CHARGES FOR TEMPORARY CONSTRUCTION POWER & TELEPHONE.

LIGHT FIXTURE SCHEDULE

FIXTURE NOTES:

1. ALL LED LIGHT FIXTURE DRIVERS SHALL BE ELECTRONIC TYPE, 10% TOTAL HARMONIC DISTORTION MAXIMUM.
2. ALL LED LIGHT MODULES SHALL BE ENERGY SAVING 3500° K, 80 CRI MINIMUM, U.O.N. (SEE SPECIFICATIONS FOR MORE INFORMATION).
3. ALL LED DRIVERS (AND ASSOC. FIXTS.) SHALL HAVE MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH STANDARDS AND REQUIREMENTS, WHERE SUCH ARE USED IN CONDITIONED SPACES.
4. EXIT SIGNS , EMERGENCY LIGHTS AND LIGHT FIXTURES WITH EMERGENCY BATTERY BACK-UP SHALL SUPPLY A MINIMUM DURATION OF 90 MINUTES OF POWER IN THE EVENT OF A POWER OUTAGE/FAILURE.
5. ALL RECESSED LIGHT FIXTURES SHALL BE U.L. APPROVED FOR ZERO CLEARANCE INSULATION COVER WHEN INSTALLED IN INSULATED CEILINGS.

GENERAL NOTE:

CONTACT VENDOR/REP
NINA FYRE
VP SALES - MID - ATLANTIC REGION
C: (973) 670 - 7384
P: (860) 767 - 0010
E: NINA.FYRE@SSLIGHTING.COM

TYPE	DESCRIPTION	LAMPS	MANUFACTURER
A	2' x 4' DIRECT BACKLIT LED, 0-10V DIMMING, UNIVERSAL VOLTAGE 120-277V, ALUMINUM HOUSING.	LED 30W 4000° K 5544 LUMENS	CEDNA BACKLIT PANEL SERIES 90365 MODEL NO.
C	4" ROUND LED DOWNLIGHT, UNIVERSAL VOLTAGE 120V-277V, MEDIUM 60° OPEN REFLECTOR, SPECULAR CLEAR REFLECTOR FINISH, 0-10V DIMMING.	LED 11W 3000° K 1500 LUMENS	VANTAGE LIGHTING VED SERIES .
C2	SAME AS FIXTURE TYPE "C" EXCEPT 6" ROUND DOWNLIGHT	LED 15.6W 3000° K 1500 LUMENS	VANTAGE LIGHTING VED SERIES .

ELECTRICAL SYMBOLS & ABBREVIATIONS

SYMBOLS & ABBREVIATIONS SHOWN ARE FOR GENERAL USE. DISREGARD THOSE WHICH DO NOT APPEAR ON THE PLANS.

- FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE
- EMERGENCY OR NIGHT LIGHT
- STRIP FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE
- LUMINAIRE - RECESSED - SEE SCHEDULE
- RECESSED WALL WASHER
- LUMINAIRE - SURFACE MOUNTED - SEE SCHEDULE
- LUMINAIRE - POLE OR POST MOUNTED - SEE SCHEDULE
- LUMINAIRE - WALL MOUNTED SEE SCHEDULE
- BOLLARD OR PATH LIGHT - SEE SCHEDULE
- EXIT LIGHT - DIRECTIONAL ARROWS AS INDICATED - SEE SCHEDULE
- TRACK LIGHTING - SEE SCHEDULE
- EMERGENCY LIGHT
- DIGITAL DUAL TECHNOLOGY OCC. SENSOR
- LIGHTING CONTROL OCCUPANCY SENSOR CORNER MOUNTED
- DRC DIMMER ROOM CONTROLLER
- PC PLUG LOAD CONTROLLER
- RC ROOM LIGHTING CONTROLLER
- LCP LIGHTING CONTROL PANEL
- DL DIGITAL DAYLIGHT SENSOR
- $ SINGLE POLE SWITCH ★★
- $a SINGLE POLE SWITCH, ★★ a = CIRCUIT CONTROLLED
- $3 THREE WAY SWITCH★★
- $4 FOUR WAY SWITCH★★
- $M MANUAL MOTOR STARTER
- $K KEY OPERATED SWITCH★★
- $D LIGHTING DIMMER★★
- $I DIGITAL ON/OFF SWITCH ★★
- $ID DIGITAL DIMMER SWITCH ★★
- $MM DIGITAL MULTI SCENE LIGHTING SWITCH ★★
- $DS DIGITAL DUAL TECHNOLOGY WALL OCC. SENSOR ★★
- WALL OCCUPANCY SENSOR ★★
- $2 DOUBLE SWITCHED WALL OCCUPANCY SENSOR ★★
- DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR ★★
- $2 2-BUTTON DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR ★★
- SECURITY DOOR CONTACTS
- MD SECURITY MOTION DETECTOR
- SC CCTV CAMERA
- KP SECURITY SYSTEM KEYPAD
- DOOR BELL PUSHBUTTON
- DOOR CHIME WITH LED
- RECEPTACLE - DUPLEX ★
- DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT
- GFCI CONVENIENCE RECEPTACLE - DUPLEX★
- GFCI CONVENIENCE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT
- RECEPTACLE DOUBLE DUPLEX★
- HALF SWITCHED DUPLEX RECEPTACLE ★
- SINGLE RECEPTACLE★
- DUPLEX RECEPTACLE - CEILING MOUNTED
- HC LETTER INDICATES DUPLEX HALF CONTROLLED RECEPTACLE ★
- C LETTER INDICATES DUPLEX FULLY CONTROLLED RECEPTACLE ★
- FLOOR MOUNTED DUPLEX RECEPTACLE
- FLOOR MOUNTED BOX
- POWER OUTLET - SEE PLANS FOR NEMA TYPE★
- POWER POLE
- WALL TELEPHONE OUTLET ★★
- [#] VOICE/DATA WALL OUTLET★
- [#] VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT
- [#] SURFACE MOUNTED VOICE/DATA WALL OUTLET ★
- [#] SURFACE MOUNTED VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT
- WIRELESS ACCESS POINT (WAP) - CEILING MOUNTED
- WIRELESS ACCESS POINT (WAP) - WALL MOUNTED - FIELD VERIFY HEIGHT
- [#] VOICE/DATA OUTLET - FLOOR MOUNTED
- TV OUTLET★
- [#] VOICE/DATA OUTLET - CEILING MOUNTED
- S INTERIOR SPEAKERS CEILING MOUNTED
- S INTERIOR SPEAKERS WALL MOUNTED
- C CLOCK +8'-0" AFF U.O.N. VERIFY BEFORE INSTALLATION
- PANELBOARD - FLUSH MOUNTED
- EQUIPMENT PANEL - FLUSH MOUNTED
- PANELBOARD - SURFACE MOUNTED
- EQUIPMENT PANEL - SURFACE MOUNTED
- M METER W/ CURRENT TRANSFORMER
- J JUNCTION BOX - CEILING OR WALL MOUNTED, SIZE PER CODE, TAPE AND TAG WIRES
- MOTOR CONNECTION
- NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH; FUSED WITH DUAL-ELEMENT FUSES SIZED PER EQUIPMENT MFGR'S NAMEPLATE DATA
- COMBINATION STARTER/FUSED DISCONNECT SWITCH; FUSED DISCONNECT SWITCH ELEMENT FUSES SIZED PER EQUIPMENT MFGRS NAMEPLATE DATA
- MAGNETIC STARTER - NEMA SIZE INDICATED NEMA 3R ENCLOSURE UNLESS OTHERWISE SPECIFIED
- CIRCUIT BREAKER
- GROUND ROD WITH GROUNDWELL BOX
- GROUND ELECTRODE
- NORMALLY OPEN CONTACT
- NORMALLY CLOSED CONTACT
- TRANSFORMER - SEE SINGLE LINE FOR SIZE
- PULLBOX
- ERMS
- FLEX CONDUIT WITH CONNECTION
- CONDUIT - UP
- CONDUIT - DOWN
- E CONDUIT EMERGENCY SYSTEM
- LV LOW VOLTAGE WIRING
- SURFACE METAL OR NON-METALLIC RACEWAY
- CONDUIT - CONCEALED IN WALLS OR CEILING
- CONDUIT - EXISTING
- CONDUIT - BELOW SLAB OR UNDERGROUND: 3/4"MIN.
- CAPPED OR STUB-OUT CONDUIT
- CONDUIT CONTINUATION
- #10 CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC. RUNS MARKED WITH CROSSHATCHES INDICATE NUMBER OF #12 AWG WIRES WHEN MORE THAN TWO. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE. CROSS HATCHES WITH NUMBER ADJACENT INDICATES WIRE SIZE OTHER THAN #12 AWG.
- 2 SHEET NOTE REFERENCE SYMBOL; SEE ASSOCIATED NOTE ON SAME SHEET
- 3 SCHEDULE SYMBOL; SEE ASSOCIATED NOTE ON SAME SHEET
- 2 DETAIL NOTE REFERENCE SYMBOL SEE ASSOCIATED NOTE ON SAME DETAIL
- F301 FEEDER DESIGNATION; SEE ASSOCIATED NOTE ON SAME DETAIL
- 1 / E3.0 DETAIL NUMBER / DETAIL OR SECTION REFERENCE / SHEET NUMBER
- 1 INDICATES QUANTITY OF TELEPHONE OUTLETS
- 2 INDICATES QUANTITY OF DATA OUTLETS

ABBREVIATIONS

A	AMPERE	GFCI	GROUND FAULT	NTS	NOT TO SCALE
AFF	ABOVE FINISHED FLOOR	GFI	INTERRUPTING	OAH	OVERALL HEIGHT
ALUM/AL	ALUMINUM	GND, G	GROUND	OC	ON CENTER
ARCH	ARCHITECT	GRS	GALVANIZED RIGID STEEL	OH	OVERHEAD
AWG	AMERICAN WIRE GAUGE	HT	HEIGHT	OFCI	OWNER FURNACED CONTRACTOR INSTALLED
BKR	BREAKER	IC	INTERCOM	PA	PUBLIC ADDRESS
C	CONDUIT	IDF	INTERMEDIATE DISTRIBUTION FRAME	PB	PULL BOX
CATV	CABLE TV			PF	POWER FACTOR
CB	CIRCUIT BREAKER	INCAND	INCANDESCENT	PH	PHASE
CCTV	CLOSED CIRCUIT TV	JB	JUNCTION BOX	PIR	PASSIVE INFRARED
CKT	CIRCUIT	KV	KILOVOLT	PNL	PANEL
CL	CENTER LINE	KVA	KILOVOLT AMPERES	PV	PHOTOVOLTAIC
CLG	CEILING	KW	KILOWATT	PVC	POLYVINYL CHLORIDE
C.O.	CONDUIT ONLY	LCP	LIGHTING CONTROL PANEL	PWR	POWER
CTR	CENTER			(R)	RELOCATE
D	DIMMER	LTG	LIGHTING	(RP)	REMOVABLE POLE
DIM	DIMENSION	LV	LOW VOLTAGE	RECPT'S	RECEPTACLES
DIST	DISTRIBUTION	KCM	THOUSAND CIRCULAR MILS	REQD	REQUIRED
(E)	EXISTING			REQMT'S	REQUIREMENT(S)
EC	ELECTRICAL CONTRACTOR	M.B.	MAIN CIRCUIT BREAKER	SHT	SHEET
(EL)	EVENING LIGHT	MCA	MINIMUM CIRCUIT AMPS	SLD	SINGLE LINE DIAGRAM
EM	EMERGENCY	MDF	MAIN DISTRIBUTION FRAME	STC	SYSTEMS TERMINATION CABINET
EMT	ELECTRICAL METALLIC TUBING	MECH	MECHANICAL	SW	SWITCH
ERMS	ENERGY REDUCTION MAINTENANCE SWITCH	MH	METAL HALIDE	SWBD	SWITCHBOARD
		MLO	MAIN LUGS ONLY	TTB	TELEPHONE TERMINAL BACKBOARD
EQUIP	EQUIPMENT	MPOE	MAIN POINT OF ENTRANCE	TYP	TYPICAL
EV	ELECTRICAL VEHICLE	MTD	MOUNTED	UON	UNLESS OTHERWISE NOTED
FA	FIRE ALARM	MTG	MOUNTING	UG	UNDERGROUND
FACP	FIRE ALARM CONTROL PANEL	MOCP	MAXIMUM OVER CURRENT PROTECTION	V	VOLT
FC	FOOT CANDLE	(N)	NEW	VD	VOLTAGE DROP
FIN	FINISH	NIC	NOT IN CONTRACT	W	WATT
FL	FLOOR	NIEC	NOT IN ELECTRICAL CONTRACT	W/	WITH
FLA	FULL LOAD AMPS	(NL)	NIGHT LIGHT	WP	WEATHERPROOF
FLUOR (F)	FLUORESCENT FUTURE	NO. NOM	NUMBER NOMINAL	XFMR	TRANSFORMER
GC	GENERAL CONTRACTOR				

★ +15" A.F.F. TO BOTTOM OF BOX, U.O.N.
★★ +48" A.F.F. TO TOP OF BOX, U.O.N.
[#] NUMBER IN BRACKETS DENOTES NUMBER OF CABLE DROPS WHEN MORE THAN (2).

LIGHT FIXTURE SCHEDULE CONT.

TYPE	DESCRIPTION	LAMPS	MANUFACTURER
EM	LED EMERGENCY UNIT, 3.6V, WHITE HOUSING	LED 0.6W	PHILLIPS CHLORIDE SERIES VLLU MODEL NO.
EX	SURFACE MOUNTED, RED LEGEND, BRUSHED ALUMINUM FINISH	LED 1.5W .	EXITRONIX S900C SERIES S900C-SM-R-AG MODEL NO.
EX2	RED LETTERING, WHITE HOUSING, EMERGENCY NICAD BATTERY	LED . .	PHILLIPS CHLORIDE SERIES VERWEM MODEL NO.
F	CYLINDER TRACK LIGHTS, WHITE FINISH, DIMMING, STANDARD TYPE MOUNTING. [X] NUMBER SHOWN IN BRACKET INDICATES NUMBER OF LIGHTS ON THE TRACK.	LED 12.9W EA 3000° K 1250 LUMENS	LUMENTURE V60 TRACK HEAD SERIES .
G	23.5"H X 4.75" W WALL SCONCE; SATCO TUBULAR BULB, 120V, 90CRI. MODEL NO. S21344	LED 5.5W 2700° K 450 LUMENS	MITZI TARA SERIES H116101-OB MODEL NO.
AXE	36"L EXTERIOR WALL SCONCE, UNIVERSAL VOLTAGE120V-277V, DIMMING, UPLIGHT & DOWNLIGHT, BLACK FINISH.	LED 11.85W 3000° K 1286 LUMENS	TECH LIGHTING CHARA SQUARE 26 SERIES 700OWCHAS930268UDUNV - MODEL
K	4' LED LIGHT FIXTURE, SUSPENDED. W/BATTERY BACKUP, UNIVERSAL VOLTAGE DRIVER.	LED 19.7W 3071 LUMENS	HE WILLIAMS 75 LED MODEL NO.

APPLICABLE CODES & STANDARDS

CODES:

1. 2022 CALIFORNIA ADMINISTRATIVE CODE C.A.C., PART 1, TITLE 24, C.C.R.
2. 2022 CALIFORNIA BUILDING CODE (CBC) C.C.R., TITLE 24, PART 2 BASED ON THE 2021 INTERNATIONAL BUILDING CODE (IBC) WITH CALIFORNIA AMENDMENTS.
3. 2022 CALIFORNIA RESIDENTIAL CODE C.C.R., TITLE 24, PART 2.5 BASED ON THE 2021 INTERNATIONAL RESIDENTIAL CODE WITH CALIFORNIA AMENDMENTS.
4. 2022 CALIFORNIA ELECTRICAL CODE (CEC) C.C.R., TITLE 24, PART 3 BASED ON THE 2020 NATIONAL ELECTRICAL CODE (NEC) WITH CALIFORNIA AMENDMENTS.
5. 2022 CALIFORNIA MECHANICAL CODE (CMC) C.C.R., TITLE 24, PART 4 BASED ON THE 2021 UNIFORM MECHANICAL CODE (UMC) WITH CALIFORNIA AMENDMENTS.
6. 2022 CALIFORNIA PLUMBING CODE (CPC) C.C.R., TITLE 24, PART 5 BASED ON THE 2021 UNIFORM PLUMBING CODE (UPC) WITH CALIFORNIA AMENDMENTS.
7. 2022 CALIFORNIA ENERGY CODE C.C.R., TITLE 24, PART 6.
8. 2022 CALIFORNIA FIRE CODE (CFC) C.C.R., TITLE 24, PART 9 BASED ON THE 2021 INTERNATIONAL FIRE CODE (IFC) WITH CALIFORNIA AMENDMENTS.
9. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE C.C.R., TITLE 24, PART 11.
10. 2022 CALIFORNIA REFERENCED STANDARDS CODE C.C.R., TITLE 24, PART 12.
11. TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
12. NATIONAL FIRE ALARM CODE (NFPA 72) 2022.
13. CITY OF LONG BEACH ORDINANCES, CODES, AND REGULATIONS.

STANDARDS:

2. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
3. ELECTRONICS INDUSTRIES ASSOCIATION (EIA)
4. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
5. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
6. NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)
7. UNDERWRITER LABORATORIES (UL)

SHEET INDEX

(CITY STAMP AREA)

SYMBOLS, ABBREVIATIONS, GENERAL CONSTRUCTION NOTES, LIGHT FIXTURE SCHEDULE, CODES & SHEET INDEX

PARIS BAGUETTE

REVISIONS
NO. ITEM DATE

DRAWN BY:
CHECKED BY:
PROJECT NO: DATE:

E001

STATE OF CALIFORNIA
Indoor Lighting
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 for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.	
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 1 of 9)
Project Address: 81 SOUTH PINE AVENUE LONG BEACH, CALIFORNIA 90802	**Date Prepared:** 2025-04-17T06:24:27-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Long Beach	04	Total Conditioned Floor Area (ft²)	2,726.72
02	Climate Zone	6	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1
● Restaurant					

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☐ New Lighting System	N/A	0	N/A	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
☒ Altered Lighting System	Area Category Method	2726.72	N/A	0
Total Area of Work (ft²)	2726.72			

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 2 of 9)
	Date Prepared: 2025-04-17T06:24:27-04:00

C. COMPLIANCE RESULTS

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 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)					Compliance Results
	01	02	03	04		05	06	07		08		09
	Complete Building 140.6(c)1 (See Table I)	Area Category 140.6(c)2 / 170.2(e)4 (See Table I)	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+) (See Table J)	Tailored 140.6(c)3 / 170.2(e)4B (+) (See Table K)	=	**Total Allowed** (Watts)	Total Designed (Watts) (See Table F)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-) (See Table P)	=	**Total Adjusted** (Watts) *Includes Adjustments		**05 must be >= 08 140.6 / 170.2(e)**
Conditioned		1,553.63			=	1,553.63	≥ 1,153.2		=	1153.2		COMPLIES
Unconditioned					=		≥		=			
Controls Compliance (See Table H for Details)												COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)												

D. EXCEPTIONAL CONDITIONS

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

Track Lighting has been included in this project, details are provided in Table G.

E. ADDITIONAL REMARKS

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

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 3 of 9)
	Date Prepared: 2025-04-17T06:24:27-04:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

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 is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A	2' x 4' DIRECT BACKLIT LED	No	NA	30	Mfr. Spec	15	No	450	☐	☐
C	4" ROUND LED DOWN LIGHT	No	NA	11	Mfr. Spec	47	No	517	☐	☐
C2	6" ROUND LED DOWN LIGHT	No	NA	15.6	Mfr. Spec	8	No	124.8	☐	☐
F[10]	CYLINDER TRACK LIGHTS	Yes	NA	125	See Other Section	1	Exempt	---	☐	☐
F[9]	CYLINDER TRACK LIGHTS	Yes	NA	112.5	See Other Section	2	Exempt	---	☐	☐
F[4]	CYLINDER TRACK LIGHTS	Yes	NA	50	See Other Section	1	Exempt	---	☐	☐
G	23.5"H x 4.75" W WALL SCONCE	No	NA	5.5	Mfr. Spec	4	No	22	☐	☐
K	4' LED LIGHT FIXTURE	No	NA	19.7	Mfr. Spec	2	No	39.4	☐	☐
							Total Designed Watts: CONDITIONED SPACES	1,153.2		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% 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) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

(CITY STAMP AREA)

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: 287138-0425-0007 Report Generated: 2025-04-17 03:24:31

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 4 of 9)
	Date Prepared: 2025-04-17T06:24:27-04:00

G. MODULAR LIGHTING SYSTEMS

This table calculates wattage for modular lighting systems/ track lighting fixtures indicated on Table F and transfers wattage to Table F.

01	02	03	04
Name or Item Tag	Complete Track Description	Calculation Method per 130.0(c)6	Track Wattage
F[10]	CYLINDER TRACK LIGHTS	☐ i Installed Luminaires vs Default 30 W/ft ☐ ii Current Limiter ☐ iii Overcurrent Protection Panel ☒ iv Power supplied by driver, power supply or transformer[1]	
		Maximum rated input wattage per manufacturer: 125	125
F[9]	CYLINDER TRACK LIGHTS	☐ i Installed Luminaires vs Default 30 W/ft ☐ ii Current Limiter ☐ iii Overcurrent Protection Panel ☒ iv Power supplied by driver, power supply or transformer[1]	
		Maximum rated input wattage per manufacturer: 112.5	112.5
F[4]	CYLINDER TRACK LIGHTS	☐ i Installed Luminaires vs Default 30 W/ft ☐ ii Current Limiter ☐ iii Overcurrent Protection Panel ☒ iv Power supplied by driver, power supply or transformer[1]	
		Maximum rated input wattage per manufacturer: 50	50

[1]*FOOTNOTE: For power-over-Ethernet lighting systems, power provided to installed non-lighting devices may be subtracted from the total power rating of the power-over-Ethernet system.*

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	Pass	Fail

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: 287138-0425-0007 Report Generated: 2025-04-17 03:24:31

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 5 of 9)
	Date Prepared: 2025-04-17T06:24:27-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

NA < 4,000W subject to multilevel | See Area/Space Level Controls | ☐ | ☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
Indoor Dining Area-101	Dining - Fastfood	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
Service Area-102	Financial Transaction	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
Restroom Hallway-103	Corridor	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
Unisex Restroom (1 & 2) - 104 &105	Restroom	Readily Accessible	NA: Restrooms	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
Bake Area-106	Kitchen/ Food Preparation	Auth. Personnel	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
Cake Decorating-107	Kitchen/ Food Preparation	Auth. Personnel	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
Sandwich Prep Area-108	Kitchen/ Food Preparation	Auth. Personnel	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
Office-109	Office (<=250 square feet)	Auth. Personnel	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
Back Of House-110	Storage - MF common areas	Auth. Personnel	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
Break Area-113	All Other Space Types	Auth. Personnel	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
ELECTRICAL ROOM	Electrical Mechanical Telephone Room	Auth. Personnel	NA: General Ltg <= 0.5W/SF	NA: Elec. equip. rm	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: 287138-0425-0007 Report Generated: 2025-04-17 03:24:31

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 6 of 9)
	Date Prepared: 2025-04-17T06:24:27-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

	13
	Plan Sheet Showing Daylit Zones:
	E501

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

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates 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/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
Indoor Dining Area-101	Dining - Fastfood	0.45	861.38	387.62	No	No
Service Area-102	Financial Transaction	0.7	245.44	171.81	No	No
Restroom Hallway-103	Corridor	0.4	91.73	36.69	No	No
Unisex Restroom (1 & 2) - 104 &105	Restroom	0.65	181.73	118.12	No	No
Bake Area-106	Kitchen/ Food Preparation	0.95	280.48	266.46	No	No
Cake Decorating-107	Kitchen/ Food Preparation	0.95	67.21	63.85	No	No
Sandwich Prep Area-108	Kitchen/ Food Preparation	0.95	143.3	136.14	No	No
Office-109	Office (<=250 square feet)	0.65	49.74	32.33	No	No
Back Of House-110	Storage - MF common areas	0.45	366.51	164.93	No	No
Break Area-113	All Other Space Types	0.4	287.43	114.97	No	No
ELECTRICAL ROOM	Electrical Mechanical Telephone Room	0.4	151.78	60.71	No	No
		TOTALS:	2,726.73	1,553.63	See Tables J, or P for detail	

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: 287138-0425-0007 Report Generated: 2025-04-17 03:24:31

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 7 of 9)
	Date Prepared: 2025-04-17T06:24:27-04:00

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

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

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: 287138-0425-0007 Report Generated: 2025-04-17 03:24:31

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 8 of 9)
	Date Prepared: 2025-04-17T06:24:27-04:00

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included 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

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Indoor Dining Area-101; Service Area-102; Restroom Hallway-103; Unisex Restroom (1 & 2) - 104 &105; Bake Area-106; Cake Decorating-107; Sandwich Prep Area-108; Office-109; Back Of House-110; Break Area-113
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	Indoor Dining Area-101

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: 287138-0425-0007 Report Generated: 2025-04-17 03:24:31

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 9 of 9)
Project Address: 81 SOUTH PINE AVENUE LONG BEACH, CALIFORNIA 90802	**Date Prepared:** 2025-04-17T06:24:27-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Najib Anwary	/Electronic Signature/Najib Anwary/.tif
Company: Aurum Consulting Engineers, San Jose	Signature Date: 04/17/2025
Address: 1798 Technology Dr., Suite 242	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: San Jose, CA 95100	Phone: (831) 646-3330

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 builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Najib Anwary	/Electronic Signature/Najib Anwary.tif
Company: Aurum Consulting Engineers, San Jose	Date Signed: 04/17/2025
Address: 1798 Technology Dr., Suite 242	License: E21043
City/State/Zip: San Jose, CA 95100	Phone: (831) 646-3330

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101 Compliance ID: 287138-0425-0007 Report Generated: 2025-04-17 03:24:31

CALIFORNIA ENERGY COMPLIANCE TITLE 24 (BUILDING INTERIOR)

PARIS BAGUETTE

REVISIONS
NO. ITEM DATE

DRAWN BY:
CHECKED BY:
PROJECT NO: DATE:

E002

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.	
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 1 of 7)
Project Address: 81 SOUTH PINE AVENUE LONG BEACH, CALIFORNIA 90802	**Date Prepared:** 2025-04-08T09:57:32-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Long Beach	04	Total Illuminated Hardscape Area (ft²)	266.78
02	Climate Zone	6			
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐	LZ-0: Very Low - Undeveloped Parkland	☒ LZ-2: Moderate - Urban Clusters	☐	LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
☐	LZ-1: Low - Rural Areas	☐ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				
• Restaurant					

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02	
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	○ Yes ○ No
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 2 of 7)
	Date Prepared: 2025-04-08T09:57:32-04:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv												Compliance Results			
01		02		03		04		05		06		07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
206.57	+	---	+	---	+	---	+	---	OR	---	=	206.57	≥	23.7	COMPLIES
Shielding Compliance (See Table G for Details)															N/A
Controls Compliance (See Table H for Details)															COMPLIES

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000 Compliance ID: 287138-0425-0003
Schema Version: rev 20220101 Report Generated: 2025-04-08 06:57:34

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 3 of 7)
	Date Prepared: 2025-04-08T09:57:32-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector	
										Pass	Fail
AXE	36"L Exterior Wall Sconce	☐ Linear	11.85	Mfr. Spec	2	New	☐	23.7	NA: Illuminate public right-of-way	☐	☐
							Total Design Watts:	23.7			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*
[4] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)*

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000 Compliance ID: 287138-0425-0003
Schema Version: rev 20220101 Report Generated: 2025-04-08 06:57:34

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 4 of 7)
	Date Prepared: 2025-04-08T09:57:32-04:00

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
Main Entrance: "AXE"	Astronomical Timer	Provided	Provided	☐	☐

[1] *FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.*
[2] *Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.*
[3] *Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.*

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000 Compliance ID: 287138-0425-0003
Schema Version: rev 20220101 Report Generated: 2025-04-08 06:57:34

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 5 of 7)
	Date Prepared: 2025-04-08T09:57:32-04:00

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

	01			
	"Use it or lose it" Allowance (select all that apply) (select all that apply)			
☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
Main Entrance	266.78	0.019	5.07	10	0.15	1.5	6.57
					Initial Wattage Allowance for Entire Site (Watts):		200
					Instances of Initial Wattage Allowance (LZ 0 only)[1]		
					Total General Hardscape Allowance (Watts):		206.57

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000 Compliance ID: 287138-0425-0003
Schema Version: rev 20220101 Report Generated: 2025-04-08 06:57:34

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 6 of 7)
	Date Prepared: 2025-04-08T09:57:32-04:00

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Main Entrance: "AXE"

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000 Compliance ID: 287138-0425-0003
Schema Version: rev 20220101 Report Generated: 2025-04-08 06:57:34

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** (Page 7 of 7)
Project Address: 81 SOUTH PINE AVENUE LONG BEACH, CALIFORNIA 90802	**Date Prepared:** 2025-04-08T09:57:32-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Najib Anwary	Documentation Author Signature: .\Electronic Signatures\Najib Anwary.tif
Company: Aurum Consulting Engineers, San Jose	Signature Date: 04/17/2025
Address: 1798 Technology Dr., Suite 242	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: San Jose, CA 95100	Phone: (831) 646-3330

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 builder provides to the building owner at occupancy.

Responsible Designer Name: Najib Anwary	Responsible Designer Signature: .\Electronic Signatures\Najib Anwary.tif
Company: Aurum Consulting Engineers, San Jose	Date Signed: 04/17/2025
Address: 1798 Technology Dr., Suite 242	License: E21043
City/State/Zip: San Jose, CA 95100	Phone: (831) 646-3330

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000 Compliance ID: 287138-0425-0003
Schema Version: rev 20220101 Report Generated: 2025-04-08 06:57:34

(CITY STAMP AREA)

CALIFORNIA ENERGY COMPLIANCE TITLE 24
(BUILDING EXTERIOR)

PARIS BAGUETTE

REVISIONS
NO. ITEM DATE

DRAWN BY:
CHECKED BY:
PROJECT NO: DATE:

E003

STATE OF CALIFORNIA
Sign Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
This document is used to demonstrate compliance with requirements in 110.9, 110.12, 130.0/ 160.5, 130.3/ 160.5(d), 140.8/ 170.2(e) and 141.0(b)2M/ 180.2(b)4Bvi for sign lighting scopes using the prescriptive path. Exit signs and traffic signs are not required to comply with prescriptive requirements per exceptions to 140.8/ 170.2(e) and do not need to complete this compliance document.		
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:**	**(Page 1 of 4)**
Project Address: 81 SOUTH PINE AVENUE LONG BEACH, CALIFORNIA 90802	**Date Prepared:**	2025-04-08T10:01:05-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Long Beach	
02	Climate Zone	6	
03	Occupancy Types within Project	☐	Healthcare Facility
		☐	Multifamily/ MF Mixed-use >= 4 stories (includes dormitory, senior living)

B. PROJECT SCOPE

This table includes illuminated signs that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.8/ 170.2(e) or 141.0(b)2M/ 180.2(b)4Bvi for alterations. Exit signs and traffic signs are not required to comply with prescriptive requirements per exceptions to 140.8/ 170.2(e) and do not need to complete this compliance document.

01	02	03	04	05
Name or Item Tag	Complete Sign Description	Sign Status[1]	Sign Type	Compliance Method[2]
Paris Baguette	See Sheet 20/A6.3	New	Outdoor	Alternate Light Sources

[1]FOOTNOTE: Sign alterations that increase the connected lighting load, replace and rewire more that 50% of the ballasts, or relocate the sign to a different location must comply with 140.8/ 170.2(e). See 141.0(b)2M/ 180.2(b)4Bvi for more details.
[2]The ENERGY VERIFIED Label compliance method is only applicable if the sign has a permanent, factory-installed, ENERGY VERIFIED label certified by UL or comparable, confirming the sign complies with 140.8/ 170.2(e). Note that using an ENERGY VERIFIED label is an optional compliance path, not a mandatory requirement. See the tooltips for this table for more details.

STATE OF CALIFORNIA
Sign Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:**	**(Page 2 of 4)**
	Date Prepared:	2025-04-08T10:01:05-04:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables B through H. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03		04		05		06	07
Name or Item Tag (See Table B)	Complete Sign Description (See Table B)	Total Allowed (Watts) (See Table F)	≥	Total Designed (Watts) (See Table F)	OR	Compliant Light Sources (See Table G)	OR	ENERGY VERIFIED Label (See Table H)	**Compliance Results**
Paris Baguette	See Sheet 20/A6.3		≥		**OR**	YES	**OR**		COMPLIES
						Controls Compliance (See Table F/G/H for Details)			COMPLIES

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

F. MAXIMUM ALLOWED LIGHTING POWER AND CONTROLS

This section does not apply to this project.

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 287138-0425-0004
Schema Version: rev 20220101 Report Generated: 2025-04-08 07:01:06

STATE OF CALIFORNIA
Sign Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:**	**(Page 3 of 4)**
	Date Prepared:	2025-04-08T10:01:05-04:00

G. LIGHT SOURCES AND CONTROLS

This table includes illuminated signs using the Alternate Lighting Sources compliance method per 140.8(b)/ 170.2(e) as indicated on Table B of this compliance document. It also demonstrates compliance with mandatory controls requirements from 130.3 / 160.5(d) by indicating control types for each sign.

01	02	03	04			05	
Name or Item Tag	Complete Sign Description	Compliant Light Sources[1,2]	Mandatory Controls			Field Inspector	
			Shut-Off	Dimming	Demand Response[3]	Pass	Fail
Paris Baguette	See Sheet 20/A6.3	LED + pwr supply 80%+ eff.	Automatic Time Switch + Photocontrol (outdoor)	NA: Illuminated <1 hour during day		☐	☐

** NOTES: Controls with a * require a note in the space below explaining how compliance is achieved. EX: Sign within tunnel illuminated day and night; EXCEPTION to 130.3(a)2A.*
[1]FOOTNOTE: Dropdown choices have been abbreviated, please refer to 140.8(b) / 170.2(e) to confirm compliance with the specific light source technologies listed.
[2] Authority having jurisdiction may ask for cutsheets to confirm compliance of light source.
[3] Demand response controls are only required for an Electronic Message Center having a new connected lighting power load greater than 15 kW per 110.12(d).

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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Form/Title
NRCI-LTS-E - Must be submitted for all buildings

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 287138-0425-0004
Schema Version: rev 20220101 Report Generated: 2025-04-08 07:01:06

STATE OF CALIFORNIA
Sign Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTS-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:**	**(Page 4 of 4)**
Project Address: 81 SOUTH PINE AVENUE LONG BEACH, CALIFORNIA 90802	**Date Prepared:**	2025-04-08T10:01:05-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Najib Anwary	:\Electronic Signatures\Najib Anwary.tiff
Company: Aurum Consulting Engineers, San Jose	Signature Date: 04/17/2025
Address: 1798 Technology Dr., Suite 242	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: San Jose, CA 95100	Phone: (831) 646-3330

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Responsible Designer Name:	Responsible Designer Signature:
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Company: Aurum Consulting Engineers, San Jose	Date Signed: 04/17/2025
Address: 1798 Technology Dr., Suite 242	License: E21043
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Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 287138-0425-0004
Schema Version: rev 20220101 Report Generated: 2025-04-08 07:01:06

(CITY STAMP AREA)

CALIFORNIA ENERGY COMPLIANCE TITLE 24 (SIGN LIGHTING)

PARIS BAGUETTE

REVISIONS
NO. ITEM DATE

DRAWN BY:
CHECKED BY:
PROJECT NO: DATE:

E004

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-E
This document is used to demonstrate compliance with mandatory requirements in 130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and 160.6 and 160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)2P for alterations. For multifamily addition or alterations compliance will be documented per 180.1(a) or 180.2 (b)4Bvii	
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** **(Page 1 of 4)**
Project Address: 81 SOUTH PINE AVENUE LONG BEACH, CALIFORNIA 90802	**Date Prepared:** 2025-04-08T10:04:49-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Long Beach	02	Climate Zone	6
			03	Occupancy Types Within Project:	Restaurant

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01 Electrical Service Designation/ Description	02 Scope of Work[1]	03 Rating[2] (kVA)	04 Utility Provided Metering System Exception to 130.5(a)/ 160.6(a)[3]	05 System subject to CA Elec Code Article 517 Exception to 130.5(a)and (b)	06 Demand Response Controls	07 Provides power to dwelling units/common living areas only in multifamily occupancy
400 Amps, 480Y/277V, 3-phase 4-wire.	Add/Alt to feeders and branch circuits only	---	☐	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections 120.2/ 160.3, 130.1/ 160.5, and 130.3/ 160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	☐

[1] FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required.
[2] If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas.
[3] Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** **(Page 2 of 4)**
	Date Prepared: 2025-04-08T10:04:49-04:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01 Service Electrical Metering 130.5(a)/ 160.6(a) (See Table F)		02 Separation for Monitoring 130.5(b)/ 160.6(b) (See Table G)		03 Voltage Drop 130.5(c)/ 160.6(c) (See Table H)		04 Controlled Receptacles 130.5(d)/ 160.6(d) (See Table I)	05 Electric Ready 160.9 (See Table J)	06 **Compliance Results**
	AND		AND	Yes	AND			COMPLIES

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with 130.5(c)/ 160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)2Piii/ 180.2(b)4Bviic.

01 Electrical Service Designation/Description	02 Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method				03 Location of Voltage Drop Calculations[1]	04 Sheet Number for Voltage Drop Calculations in Construction Documents	05 Field Inspector	
							Pass	Fail
400 Amps, 480Y/277V, 3-phase 4-wire.	☒	Voltage drop less than 5%	☐	Permitted by CA Elec Code (Exception to 130.5(c))*	In construction documents	See Sheet E101	☐	☐

** NOTES: If "Permitted by CA Elec Code *" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*

[1] FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** **(Page 3 of 4)**
	Date Prepared: 2025-04-08T10:04:49-04:00

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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Form/Title
NRCI-ELC-E - Must be submitted for all buildings

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-E
Project Name: Paris Baguette at The Long Beach, CA	**Report Page:** **(Page 4 of 4)**
Project Address: 81 SOUTH PINE AVENUE LONG BEACH, CALIFORNIA 90802	**Date Prepared:** 2025-04-08T10:04:49-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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Documentation Author Name:	Documentation Author Signature:
Najib Anwary	:\Electronic Signatures\Najib Anwary.tiff
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Address: 1798 Technology Dr., Suite 242	License: E21043
City/State/Zip: San Jose, CA 95100	Phone: (831) 646-3330

(CITY STAMP AREA)

CALIFORNIA ENERGY COMPLIANCE TITLE 24
(POWER DISTRIBUTION)

PARIS BAGUETTE

REVISIONS
NO. ITEM DATE

DRAWN BY:
CHECKED BY:
PROJECT NO: DATE:

E005

VOLTAGE DROP CALCS

VOLTAGE DROP CALCULATION

Voltage.............. : 480
Load Amperage........ : 207
Circuit Length (Ft)...: 200
Conductor Size ....: 600 KCM
Conductors per Phase. : 1
Conductor Material ...: Copper

Circuit Type...: AC Three Phase 4 Wire

Voltage Drop between any two phase conductors

$$VD = \frac{(0.866 \times 2 \times \text{Ohms per 1000 ft} \times \text{Length} \times \text{Amps})}{1000 \times \text{Qty Wires per Phase}}$$

$$VD = \frac{0.866 \times 2 \times 0.025 \times 200 \times 208}{1000 \times 1}$$

Volts Dropped: 1.81
Volts at Load: 478.19
Percent Drop: 0.38

PANELBOARD SCHEDULES

PANEL PBB

Voltage:	120/208V,3ø
Wire:	4W
Type:	NEMA 1
Mains:	M.L.O.

Bussing:	225A
Feed:	TOP
Mounting:	SURFACE
A.I.C.	42,000

Load	A	B	C	Bkr	Ck	abc	Ck	Bkr	A	B	C	Load	
INDOOR DINNING/AREA RECEPTS.	900			20/1	1		2	20/1	240			60" CAKE PREP FRIDGE	
INDOOR DINNING /RESTROOM		900		20/1	3		4	20/1		240		60" CAKE PREP FRIDGE	
COFFEE BREWER			2642	35/2	5		6	20/1			200	CONDENSATE PUMP	
	2642				7		8	20/1	540			POS MACHINES	
MALE/FEMALE RR RECEPT.		360		20/1	9		10	20/1				SPARE	
OFFICE RECEPT			720	20/1	11		12	20/1			360	CASED PESTRIES	
SHOWCASE/NOVELTY TABLE				20/1	13		14		8333				4
DAC-1		360		15/1	15		16	90/3		8333		DECK OVEN	4
DAC-2			360	15/1	17		18				8333		4
ICE MAKER	1524			20/1	19		20					SHUNT TRIP	3
SPARE				20/1	21		22	20/1		1800		BLENDER	
DEDICATED ELE. CLO RECEPT.			180	20/1	23		24	20/1			1000	MICROWAVE	
60" UNDERCOUNTER REFRIG.	204			20/1	25		26	20/1				SPARE	
FUTURE DOUGH CONDITIONER		780		20/1	27		28	20/1				SPARE	
FUTURE DOUGH CONDITIONER			780	20/1	29		30	20/1				SPARE	
SIGNAGE LIGHTING	500			20/1	31		32	20/1				SPARE	
BAKE ARE RECEPT.		540		20/1	33		34	20/1				SPARE	
MENU SCREENS			400	20/1	35		36					SPACE ONLY	
HOOD CONTROL PANEL	500			20/1	37		38					SPACE ONLY	
4 DONUT FRYER		600		20/1	39		40					SPACE ONLY	
3 SHUNT TRIP					41		42					SPACE ONLY	
	6270	3540	5082						9113	10373	9893		

1 SUBMITTAL SHALL MATCH EXACT BREAKER LOCATIONS SHOWN.
2 LABEL PANEL FOR SHORT CIRCUIT AMPS AVAILABLE PER CEC 110-24.
3 SHUNT TRIP BREAKER AND SHUNT SPACE.
4 INSTALL GFCI TYPE BREAKER

KVA Phase A	15.4
KVA Phase B	13.9
KVA Phase C	15.0

Total Connected Load KVA	44.3
Total Load Amperes	123

(E) PANEL PBH

Voltage:	277/480V,3ø
Wire:	4W
Type:	NEMA 1
Mains:	400/3 M.B.

Bussing:	400A
Feed:	TOP
Mounting:	SURFACE
A.I.C.	42,000

Load	A	B	C	Bkr	Ck	abc	Ck	Bkr	A	B	C	Load
(E) 45KVA TRANSFORMER (PANEL PBA)	14367			70/3	1		2	70/3	14757			45KVA TRANSFORMER (PANEL PBB)
		14367			3		4			14757		
			14367		5		6				14757	
45KVA TRANSFORMER (PANEL PBC)	14722			70/3	7		8	20/3	1275			KEF-1
		14722			9		10			1275		
			14722		11		12				1275	
AC-1	4940			20/3	13		14	30/3	7383			DOAS-1
		4940			15		16			7383		
			4940		17		18				7383	
SPARE				20/1	19		20	20/1				SPARE
SPARE				20/1	21		22	20/1				SPARE
SPARE				20/1	23		24	20/1				SPARE
SPARE				20/1	25		26	20/1				SPARE
SPARE				20/1	27		28	20/1				SPARE
SPARE				20/1	29		30					SPACE ONLY
SPACE ONLY					31		32					SPACE ONLY
SPACE ONLY					33		34					SPACE ONLY
SPACE ONLY					35		36					SPACE ONLY
SPACE ONLY					37		38					SPACE ONLY
SPACE ONLY					39		40					SPACE ONLY
SPACE ONLY					41		42					SPACE ONLY
	34028	34028	34028						23415	23415	23415	

1 SUBMITTAL SHALL MATCH EXACT BREAKER LOCATIONS SHOWN.
2 LABEL PANEL FOR SHORT CIRCUIT AMPS AVAILABLE PER CEC 110-24.

KVA Phase A	57.4
KVA Phase B	57.4
KVA Phase C	57.4

Total Connected Load KVA	172.3
Total Load Amperes	208

PANEL PBC

Voltage:	120/208V,3ø
Wire:	4W
Type:	NEMA 1
Mains:	150/3 M.B.

Bussing:	225A
Feed:	TOP
Mounting:	SURFACE
A.I.C.	42,000

Load	A	B	C	Bkr	Ck	abc	Ck	Bkr	A	B	C	Load	
4	3733				1		2		3733				4
4 CONVECTION OVEN		3733		40/3	3		4	40/3		3733		CONVECTION OVEN	4
4			3733		5		6				3733		4
3 SHUNT TRIP					7		8					SHUNT TRIP	3
HAND DRYER		1200		20/1	9		10	20/1		200		LIGHTING CONTROL PANEL	
HAND DRYER			1200	20/1	11		12	20/1			750	DINING & SERVICE, CAKE, RR LIGHTS	
CAKE MIXER	500			20/1	13		14	20/1	500			BAKE, BOH, OFFICE, ELE. ROOM LIGHTS	
CAKE MIXER		500		20/1	15		16	20/2		1875		HOT S/W CONVECTION OVEN	
CAKE MIXER			500	20/1	17		18				1875		
EXPRESSO MACHINE	3120			30/2	19		20	20/2	1875			HOT S/W CONVECTION OVEN	
		3120			21		22			1875			
BREAD SLICER			876	20/1	23		24	20/1			1800	BLENDER	
SPARE				20/1	25		26	20/1				SPARE	
SPACE ONLY					27		28	-				SPACE ONLY	
SPACE ONLY					29		30	-				SPACE ONLY	
	7353	8553	6309						6108	7683	8158		

1 SUBMITTAL SHALL MATCH EXACT BREAKER LOCATIONS SHOWN.
2 LABEL PANEL FOR SHORT CIRCUIT AMPS AVAILABLE PER CEC 110-24.
3 SHUNT TRIP BREAKER AND SHUNT SPACE.
4 INSTALL GFCI TYPE BREAKER

KVA Phase A	13.5
KVA Phase B	16.2
KVA Phase C	14.5

Total Connected Load KVA	44.2
Total Load Amperes	123

(E) PANEL PBA

Voltage:	120/208V,3ø
Wire:	4W
Type:	NEMA 1
Mains:	M.L.O.

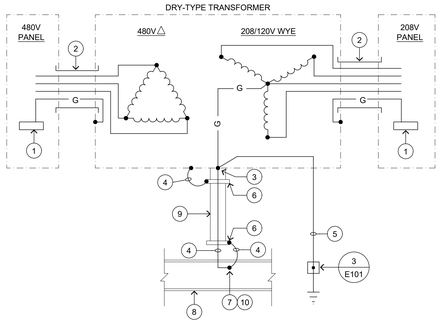
Bussing:	225A
Feed:	TOP
Mounting:	SURFACE
A.I.C.	42,000

Load	A	B	C	Bkr	Ck	abc	Ck	Bkr	A	B	C	Load
DOUGH CONDITIONER	780			20/1	1		2	20/1	41			CIRCULATION PUMP
DOUGH CONDITIONER		780		20/1	3		4	20/1		600		WATER HEATER
DOUGH CONDITIONER			780	20/1	5		6	20/1			46	EXHAUST FANS
DOUGH CONDITIONER	780			20/1	7		8	20/1				SPARE
DOUGH CONDITIONER		780		20/1	9		10	20/1		863		60" UNDERCOUNTER REFRIG.
DOUGH CONDITIONER			780	20/1	11		12	20/1			360	ROOF RECPTACLES
48" DISPLAY CASE REFRIG.	863			20/1	13		14	20/1				SPARE
60" DISPLAY CASE REFRIG.		989		20/1	15		16	20/1		500		COOLER LIGHTING/MISC./HEAT STRIPS
60" DISPLAY CASE REFRIG.			989	20/1	17		18	20/1			500	COOLER LIGHTING/MISC./HEAT STRIPS
SPARE				20/1	19		20	20/1	500			FREEZER LIGHTING/MISC./HEAT STRIPS
SPARE				20/1	21		22	20/1		500		FREEZER LIGHTING/MISC./HEAT STRIPS
COFFEE GRINDER			1320	20/1	23		24	20/1			196	48" UNDERCOUNTER REFRIG.
SPARE				20/1	25		26	20/1	1536			COOLER EVAP COIL
CAKE STORAGE REFRIG.		264		20/1	27		28	20/1		1536		FREEZER EVAP COIL
SANDWHICH PREP REFRIG.			684	20/1	29		30	20/1			1536	FREEZER EVAP COIL
BACK OF HOUSE CON. RECPT.	720			20/1	31		32	30/2	2600			ESPRESSO MACHINE
50" HORIZONTAL DISPLAY CASE		1783		20/1	33		34			2600		
50" HORIZONTAL DISPLAY CASE			1783	20/1	35		36	20/1				SPARE
	2860				37		38		2178			
FREEZER CONDENSING UNIT		2860		50/3	39		40	40/3		2178		COOLER CONDENSING UNIT
			2860		41		42				2178	
	6003	7456	9196						6855	8777	4816	

1 SUBMITTAL SHALL MATCH EXACT BREAKER LOCATIONS SHOWN.
2 LABEL PANEL FOR SHORT CIRCUIT AMPS AVAILABLE PER CEC 110-24.

KVA Phase A	12.9
KVA Phase B	16.2
KVA Phase C	14.0

Total Connected Load KVA	43.1
Total Load Amperes	120

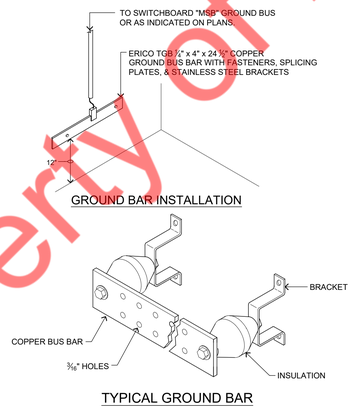


DETAIL NOTES:

1. PANEL OR SWITCHBOARD EQUIPMENT GROUND BUS.
2. CONDUIT WITH SEAL-TITE FLEX CONNECTION TO TRANSFORMER.
3. TRANSFORMER CASE BOND.
4. BARE COPPER GROUND PER CEC 250-66
5. 1" SCHEDULE 80 PVC CONDUIT WITH BARE COPPER GROUNDING ELECTRODE CONDUCTOR, SEE SINGLE LINE DIAGRAM 1/E1.1 FOR REQUIREMENTS.
6. GROUNDING BUSHINGS.
7. BOLTED OR EXOTHERMIC WELD CONNECTION.
8. BUILDING STEEL STRUCTURE FRAMING.
9. ELECTRICAL METALLIC TUBING (EMT).
10. METAL COLD WATER PIPE PER CEC 250.30 OR OTHER ELECTRODES PER 250.50 IF BUILDING STEEL OR WATER PIPE ARE NOT AVAILABLE.

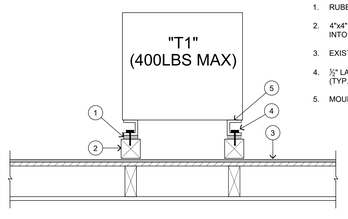
4 DRY TYPE TRANSFORMER GROUNDING DETAIL

NO SCALE



3 GROUND BAR DETAIL

NO SCALE

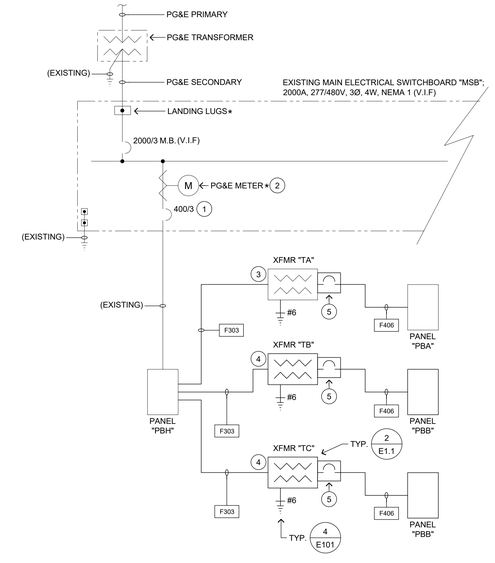


DETAIL NOTES

1. RUBBER ISOLATION PAD (TYP.)
2. 4"x4" REDWOOD SLEEPER, LAG BOLT INTO ROOF (TYP. 6 PLACES)
3. EXISTING ROOF
4. ½" LAG BOLT MIN. 3" INTO SLEEPER (TYP. 4 PLACES)
5. MOUNTING CHANNEL (TYP.)

2 TRANSFORMER MOUNTING DETAIL

NO SCALE



DETAIL NOTES:

1. EXISTING 400A, 480Y/277V, 3-PHASE, 4-WIRE, ELECTRICAL DISCONNECT/BREAKER FOR THE PROJECT SPACE SHALL REMAIN. E.C. TO VERIFY OPERABLE CONDITION OF EXISTING ELECTRICAL DISCONNECT/BREAKER IN FIELD, REPLACE WITH NEW IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
2. EXISTING 400AMPS, 480Y/277V, 3-PHASE, 4-WIRE, ELECTRICAL METER AND CT CABINET FOR THE PROJECT SPACE SHALL REMAIN. E.C. TO VERIFY OPERABLE CONDITION OF EXISTING ELECTRICAL METER IN FIELD, REPLACE WITH NEW IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
3. EXISTING 45 KVA; 480:120/208V, 3Ø, 4W, NEMA 1 TRANSFORMER TO REMAIN IN PLACE AND REUSE. TO VERIFY OPERABLE CONDITION OF EXISTING TRANSFORMER IN FIELD, RECTIFY/REPLACE WITH NEW IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
4. NEW 45KVA; 480:120/208V, 3Ø, 4W, NEMA 1 TRANSFORMERS FOR THE PROJECT SPACE. E.C SHALL COORDINATE EXACT LOCATION AND MOUNTING TYPE WITH ARCHITECT/OWNER IN FIELD. BASE BID ACCORDINGLY.
5. ENCLOSED CIRCUIT BREAKER;150/3, 120/208V, 3Ø, 4W, NEMA 1

SINGLE LINE DIAGRAM LEGEND

- (EXISTING)
- (NEW)
- (E) FLOOR/PAD MOUNTED EQUIPMENT
- (N) FLOOR/PAD MOUNTED EQUIPMENT

FEEDER SCHEDULE

DESIGNATION	AMPACITY	CONDUIT & CONDUCTORS SIZES
F303	70	1 1/4" C., 3 #4 & 1 #8 GND.
F406	150	2" C., 4 #1/0 & 1 #6 GND.

1 SINGLE LINE DIAGRAM

NO SCALE

* PER PG&E RULES, REGULATIONS, AND STANDARDS

(CITY STAMP AREA)

SINGLE LINE DIAGRAM & PANELBOARD SCHEDULES

PARIS BAGUETTE

REVISIONS

NO.	ITEM	DATE

DRAWN BY:
CHECKED BY:
PROJECT NO: DATE:

E101

SHEET NOTES

1. FEEDERS & CONDUITS FROM (E) METER/MAIN 400AMP, 3-POLE (NEMA-3R), FUSED DISCONNECT (OR ENCLOSE NEMA-3R BREAKER) AT (E) MSB TO (E) PANEL "PBH" IN REMODEL SUITE.
2. SEE SINGLE LINE DIAGRAM 1/E101 FOR FEEDERS SIZE & REQUIREMENTS.

GENERAL NOTES:

A. SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH ARCHITECT FOR EXACT REQUIREMENTS.

SEASIDE WAY

SOUTH PINE AVENUE

ELECTRICAL ROOM

(E) MSB 1 E101

1 2

BUILDING C

1 E301 1 E401 1 E402 1 E501

PARIS B

CONS
I-B SPRI
OCC.

BAY STREET

(CITY STAMP AREA)

ELECTRICAL OVERALL BUILDING PLAN

PARIS BAGUETTE

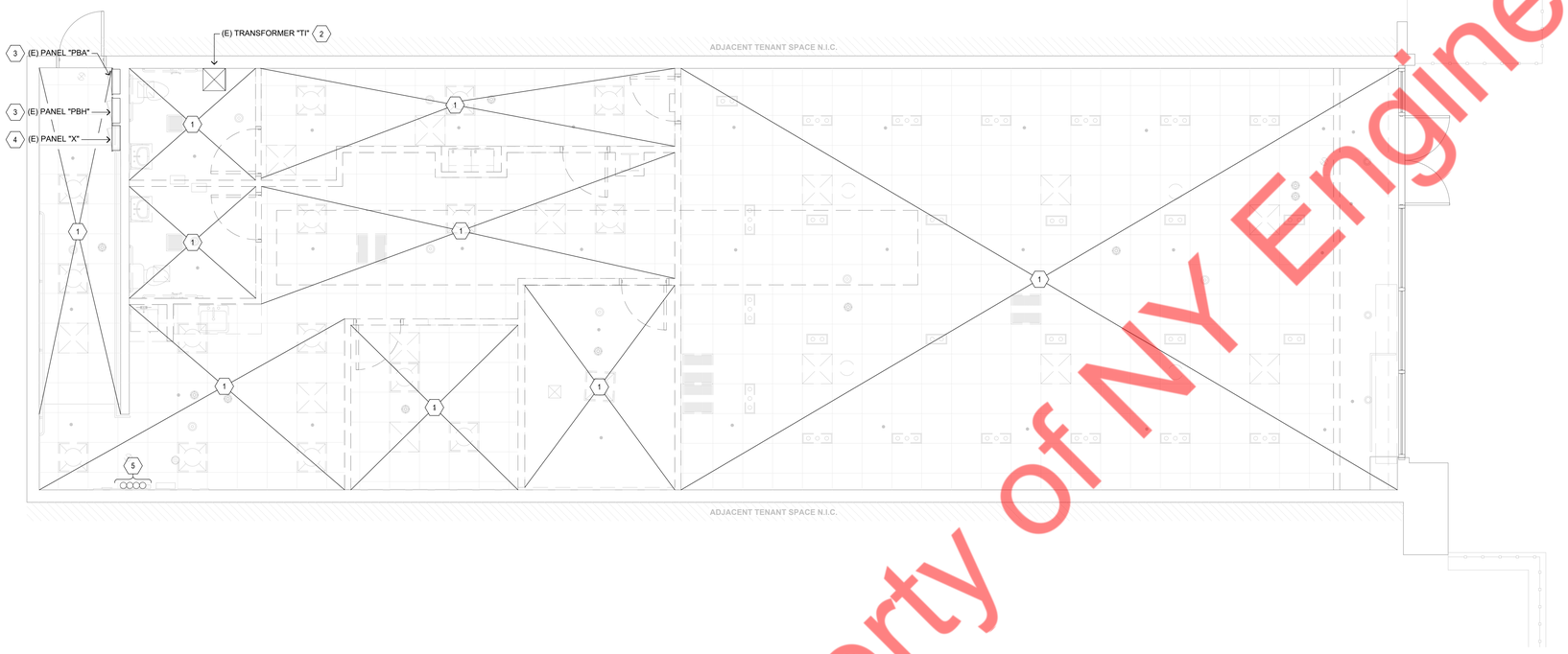
REVISIONS
NO. ITEM DATE

DRAWN BY:
CHECKED BY:
PROJECT NO: DATE:

E201

16' 0' 4' 8' 12' 16'
SCALE: 1/16"=1'-0"

NORTH



SHEET NOTES

1. U.O.N., PER GENERAL DEMOLITION NOTES ON THIS SHEET, CONTRACTOR SHALL DEMOLISH ALL EXISTING ELECTRICAL, TELECOM, FIRE ALARM COMPLETE THROUGHOUT THE SUITE.
2. CONTRACTOR SHALL DISCONNECT AND PRESERVE FOR RE-INSTALL UNDER NEW WORK.
3. EXISTING PANEL TO REMAIN.
4. PER GENERAL DEMOLITION NOTES ON THIS SHEET, CONTRACTOR SHALL DEMOLISH EXISTING 100A SUB PANEL.
5. EXISTING TELECOM CONDUITS; CUT BACK TO ABOVE CEILING AND PRESERVE FOR RE-USE/EXTENSION UNDER NEW WORK.

GENERAL DEMOLITION NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXTENT OF ELECTRICAL DEMOLITION AND QUANTITIES OF ELECTRICAL TO BE REMOVED AS DICTATED BY THE REQUIREMENTS OF THE PROJECT.

B. REMOVAL SHALL INCLUDE WIRING, RACEWAY, BOXES, SWITCHES, LIGHT FIXTURES, ETC. AS INDICATED ON THE PLANS AND AS REQUIRED BY THESE DEMOLITION NOTES.

C. RACEWAYS ASSOCIATED WITH ELECTRICAL BEING DEMOLISHED WHICH ARE CONCEALED IN EXISTING REMAINING WALLS MAY BE ABANDONED IN PLACE. REMOVE WIRING FROM CONDUIT.

D. RACEWAYS ASSOCIATED WITH ELECTRICAL BEING DEMOLISHED WHICH ARE EXPOSED SHALL BE REMOVED.

E. WHERE REMOVAL OF EQUIPMENT OR WIRING IS INDICATED, IT SHALL INCLUDE ALL ASSOCIATED WIRING BACK TO LAST ACTIVE REMAINING OUTLET, DEVICE, FIXTURE OR PANEL.

F. ELECTRICAL CONTRACTOR SHALL INSURE THAT ALL REMAINING ACTIVE CIRCUITS, DEVICES, OUTLETS, LIGHT FIXTURES, ETC. HAVE NOT BEEN DISCONNECTED OR MADE INOPERATIVE DURING DEMOLITION. ELECTRICAL CONTRACTOR SHALL RESTORE ALL INTERRUPTED OR DISCONNECTED CIRCUITS TO OPERATION.

G. ELECTRICAL CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL REMOVED ELECTRICAL EQUIPMENT AND MATERIAL.

H. NO REMOVED EQUIPMENT OR MATERIAL SHALL BE REUSED AS PART OF NEW WORK, U.O.N.

I. EXISTING REMAINING CONCEALED RACEWAYS MAY BE REUSED FOR NEW WORK PROVIDED THEY MEET ALL REQUIREMENTS OF THE SPECIFICATION FOR NEW WORK.

J. EXISTING FLUSH OUTLETS MAY BE REUSED FOR NEW WORK PROVIDED THEY MEET ALL REQUIREMENTS OF THE SPECIFICATION FOR NEW WORK, MEET THE REQUIREMENTS OF THE CURRENT C.E.C. FOR VOLUME AND COINCIDE WITH LOCATION SHOWN FOR THE NEW WORK.

K. FLUSH OUTLET BOXES IN EXISTING WALLS TO REMAIN MAY BE ABANDONED IN PLACE. REMOVE DEVICES AND WIRING, PLUG OPENING AND PROVIDE AND INSTALL A BLANK DEVICE PLATE.

L. EXISTING WIRING SHOWN HAS BEEN TAKEN FROM OLD PLANS AND IS ASSUMED TO BE CORRECT. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND MAKE ADJUSTMENTS TO SUIT ACTUAL CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS.

M. WHERE TELEPHONE, COMPUTER DATA, FIBER OPTICS, FIRE ALARM OR OTHER COMMUNICATIONS OUTLETS OR WIRING IS TO BE DEMOLISHED IT SHALL BE REMOVED BACK TO THE NEXT TERMINAL POINT. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER OR OWNER'S REPRESENTATIVE TO HAVE EQUIPMENT AND WIRING DESIGNATED FOR REMOVAL OR PRESERVATION PRIOR TO REMOVAL OF OUTLET BOXES, CONDUIT OR WIRING BY ELECTRICAL CONTRACTOR.

N. COORDINATE WITH OWNER PRIOR TO START OF DEMOLITION TO MINIMIZE POWER INTERRUPTIONS, WORK MAY HAVE TO OCCUR DURING NON-REGULAR BUSINESS HOURS. COORDINATE IN WRITING WITH OWNER ONE WEEK PRIOR TO PLANNED POWER INTERRUPTIONS.

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

NORTH

(CITY STAMP AREA)

ELECTRICAL DEMOLITION PLAN - FLOOR

PARIS BAGUETTE

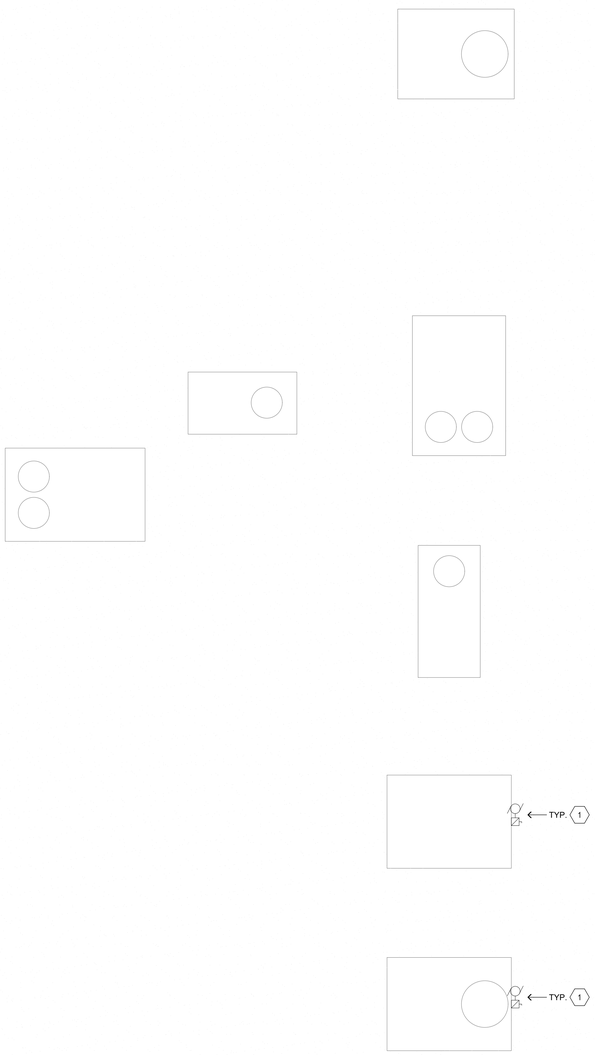
REVISIONS
NO. ITEM DATE

DRAWN BY:
CHECKED BY:
PROJECT NO: DATE:

E301

SHEET NOTES

1. DEMOLISH EXISTING HVAC UNIT ELECTRICAL CONNECTIONS COMPLETE PER GENERAL DEMOLITION NOTES ON SHEET E301.



ADJACENT TENANT SPACE N.I.C.

ADJACENT TENANT SPACE N.I.C.

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

NORTH

(CITY STAMP AREA)

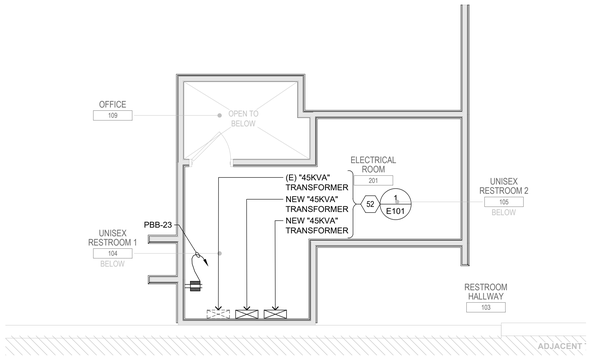
ELECTRICAL DEMOLITION PLAN - ROOF

PARIS BAGUETTE

REVISIONS
NO. ITEM DATE

DRAWN BY:
CHECKED BY:
PROJECT NO: DATE:

E302



2 POWER & SYSTEMS PLAN - MEZZANINE FLOOR

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

4' 0' 1' 2' 3' 4'

NORTH

GENERAL NOTES:

1. CONTRACTOR SHALL LABEL ALL ELECTRICAL DEVICES WITH ASSOCIATED CIRCUIT NUMBER AND PANEL NAME.
2. PANELS MUST BE IDENTIFIED FROM WHERE IT IS FED AND WHERE SUB-FEEDS ON THE SAME PANEL ID NAME PLATE.
3. FOR ALL KITCHEN EXHAUST FAN AND MAKE-UP AIR UNITS, CONTRACTOR SHALL COORDINATE EXACT LOCATION WITH KITCHEN HOOD CONTRACTOR.
4. ALL WIRING METHOD INSIDE COLD STORAGE SHALL COMPLY AS DAMP LOCATION AS DEFINED PER ARTICLE 100.
5. ALL POWER AND LIGHTING ELECTRICAL HOMERUNS ARE ½"C., W/ #12 AWG HOT & GROUND. SEE CROSS HATCHES FOR CONDUCTOR QUANTITY.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR AND RUN BOTH THE HOOD SYSTEM INTERLOCK WIRE AND SUPPLY DAMPER INTERLOCK WIRE FROM THE DOAS TO THE DAMPER/HOOD CONTROLS.

GENERAL KITCHEN NOTES:

a. SEE KITCHEN DRAWING FOR ADDITIONAL INFORMATION AND WORK.
b. ALL FOOD PREP/FOOD SERVICE 50 AMP OR LESS, 120V-250V SINGLE PHASE RECEPTACLES AND 100 AMP OR LESS FOR THREE PHASE IN KITCHEN AREA SHALL BE GFCI TYPES.
c. ELECTRICAL CONTRACTOR SHALL REVIEW ALL KITCHEN EQUIPMENT SUBMITTALS AND FURNISH ELECTRICAL CONNECTIONS TO MATCH.
d. WHERE KITCHEN EQUIPMENT IS FURNISHED WITH CORD AND PLUG ELECTRICAL CONTRACTOR SHALL INSTALL AND CONNECT.
e. THE ACTUATION OF THE FIRE EXTINGUISHING SYSTEM SHALL AUTOMATICALLY SHUT DOWN THE FUEL AND ELECTRICAL POWER SUPPLY TO THE COOKING EQUIPMENT. THE FUEL AND ELECTRICAL SUPPLY ARE REQUIRED TO HAVE A MANUAL RESET. CONTRACTOR SHALL INSTALL CONTROL CABLES FROM FIRE SUPPRESSION PANEL TO PANEL SERVING HOOD EQUIPMENT. INSTALL SHUNT-TRIP TYPE BREAKER FOR ALL ELECTRICAL EQUIPMENT LOCATED UNDER THE HOOD/SUPPRESSION SYSTEM.

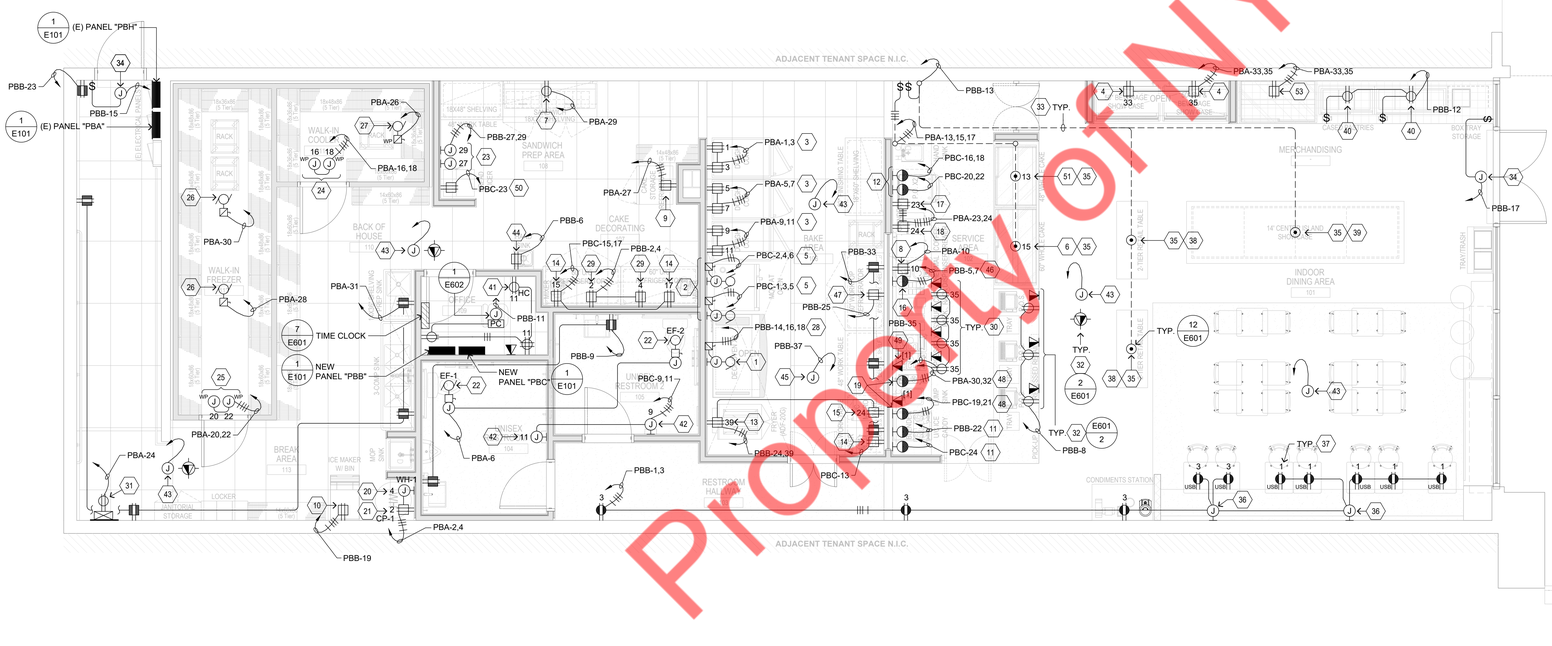
BRANCH CIRCUIT CONDUCTOR SIZING TABLE

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	REQUIREMENT
20/120	56'-90'	½" C., 2 #10 & 1 #10 GND.
20/120	91'-140'	½" C., 2 #8 & 1 #8 GND.
20/277	131'-205'	½" C., 2 #10 & 1 #10 GND.
20/277	206'-330'	½" C., 2 #8 & 1 #8 GND.

NOTE:
A. CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.
B. WHERE THE UNGROUNDED CONDUCTORS IS INCREASED IN SIZE, INCLUDING FOR VOLTAGE DROP, THE GROUNDED CONDUCTOR SHALL BE INCREASED IN SIZE PROPORTIONATELY PER CEC 250.122(B)

SHEET NOTES

1. DECK OVEN; 25KW, 208V, 3Ø, 65 AMPS.
2. CONVENTION OVEN; 11.2KW, 208V, 3Ø.
3. DOUGH CONDITIONER; 120V, 6.5 AMPS. PROVIDE AND INSTALL NAME 5-15P RECEPTACLE.
4. 50" HORIZONTAL OPEN DISPLAY CASE ; 120V, 15.5 AMPS.
5. ¾"C., 4# 8 & 1 #10 GND.
6. DISPLAY CASE REFRIGERATED 60"; 120V, 8.6 AMPS.
7. SANDWICH PREPARATION REFRIGERATOR; 120V, 5.7 AMPS.
8. UNDERCOUNTER REFRIGERATOR 60"; 120V, 5.1 AMPS.
9. CAKE STORAGE REFRIGERATOR; 120V, 2.2 AMPS.
10. ICE MACHINE FOR THE BACK & ICE BIN; 120V, 12.7 AMPS.
11. BLENDER; 3.8 HP, 120V,15 AMPS.
12. HOT SW CONVECTION OVEN; 208V, 20AMPS, 1Ø.
13. DONUT FRYER; 120V, 5 AMPS.
14. CAKE MIXER; 1.3HP, 120V, 500W.
15. MICROWAVE OVEN; 120V, 13.4 AMPS. PROVIDE AND INSTALL NEMA 5-15 RECEPTACLE.
16. COFFEE BREWER; 208V, 25.4 AMPS, 1Ø.
17. COFFEE GRINDER; 120V, 11 AMPS.
18. UNDERCOUNTER REFRIGERATOR 48"; 120V, 1.7 AMPS.
19. ESPRESSO MACHINE; 208V, 25 AMPS, 1Ø. PROVIDE AND INSTALL NEMA L6-30 RECEPTACLE.
20. WATER HEATER; 120V.
21. FOR CIRCULATION PUMP; 120V.
22. EXHAUST FAN; 120V, 45W.
23. LOCATE FOR FUTURE DOUGH CON., INSTALL 1" CONDUIT ONLY TO PANEL "PBB" FOR FUTURE CONNECTIONS.
24. LOCATE FOR (2) 20 AMP, 120V CIRCUIT FOR COOLER LIGHTING, HEAT STRIP CIRCUIT.
25. LOCATE FOR FREEZER (2) 20 AMP, 120V CIRCUITS FOR LIGHTING, HEAT STRIP, MISC. 120V CONNECTIONS.
26. FREEZER EVAP COIL; 16A, 120V.
27. COOLER EVAP COIL; 16A, 120V.
28. 1"C., 4 #3 & 1 #8 GND.
29. CAKE PREP FRIDGE 60"; 120V, 2 AMPS.
30. LOCATE UP HIGH FOR MENU/DISPLAYS; VERIFY WITH ARCHITECTURAL PLANS FOR EXACT LOCATION.
31. LOCATE UP HIGH ON WALL 36" WIDE x 4' HIGH x ¾" THICK EXTERIOR PLYWOOD WITH FIRE RESISTANT FINISH. INSTALL DEDICATED 20 AMP, 120V RECEPTACLE FOR TELECOM VENDOR EQUIPMENT.
32. FROM ALL TELE/DATA DEVICES; INSTALL ¾" C.O. STUBBED TO TELECOM BACKBOARD. COORDINATE WITH VENDOR FOR CABLING.
33. SAWCUT (E) FLOOR FOR NEW FLOOR BOX(ES); REPAIR FLOOR PER ARCHITECT DIRECTION. INSTALL ¾" C., WITH CIRCUIT WIRES TO NEAREST NEW WALL FOR CONDUIT RISER IN WALL. PATCH & FINISH TO MATCH EXISTING CONDITION OR BETTER.
34. LOCATE FOR AIR CURTAIN, 120V. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS.
35. INSTALL FLOOR BOX WITH FLEX SEALED CONDUIT UP AND INTO CAVITY/CHASE OF TABLE TO J-BOX EXTEND CONDUIT TO LIGHTING PER VENDOR/MANUFACTURER INSTALLATION INSTRUCTIONS. CIRCUIT TO LIGHT SWITCH AT STAFF AREA.
36. POWER CHASE FOR BANQUETTE TABLE. COORDINATE EXACT LOCATION AND MOUNTING IN FIELD WITH OWNER/ARCHITECT.
37. LOCATE AS PART OF BANQUETTE TABLE, USB/RECEPTACLES. INSTALL 20 AMP, 120V, RECEPTACLES WITH USB-C TYPE CONNECTIONS INTEGRAL TO RECEPTACLE.
38. LOCATE FOR 2-TIER RETAIL TABLE.
39. LOCATE FOR 14' CENTER ISLAND SHOWCASE.
40. LOCATE FOR BREAD PASTRY CASE DISPLAY.
41. LOCATE 20 AMP, 120V TOGGLE SWITCH & CONNECT HALF-CONTROLLED RECEPTACLE AT CENTER DISPLAYS TO THIS SWITCH.
42. PROVIDE & INSTALL FLUSH J-BOX FOR HAND DRYER; 20 AMP, 120V.
43. INSTALL CEILING MOUNTED J-BOX AND INSTALL ½" HOME RUN TO OFFICE IN BACK OF HOUSE. FOR FUTURE SPEAKERS/LOW VOLTAGE BY OWNER.
44. LOCATE FOR CONDENSATE PUMP; 120V. VERIFY EXACT LOCATION.
45. INSTALL 20 AMP, 120V CIRCUIT FOR HOOD CONTROL PANEL.
46. ¾" C., 3 #8 & 1 #10 GND.
47. UNDERCOUNTER REFRIGERATOR 60"; 120V, 15 AMPS.
48. ¾" C., 3 #10 & 1 #10 GND.
49. INSTALL ½" C.O. TO TELECOM BACKBOARD FOR EXPRESSO MACHINE TELECOM CABLE.
50. BREAD SLICER; 7.3A, 120V.
51. DISPLAY CASE REFRIGERATED 48"; 120V, 7.5 AMPS.
52. LOCATE FOR TRANSFORMERS. VERIFY AND COORDINATE EXACT LOCATION.
53. WALL MOUNT REFRIGERATED BAKERY CASE; 120V, 7.5 AMPS.



1 POWER & SYSTEMS PLAN - FLOOR

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

4' 0' 1' 2' 3' 4'

NORTH

(CITY STAMP AREA)

POWER & SYSTEMS PLAN - FLOOR

PARIS BAGUETTE

REVISIONS
NO. ITEM DATE

DRAWN BY:
CHECKED BY:
PROJECT NO: DATE:

E401

BRANCH CIRCUIT CONDUCTOR SIZING TABLE

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	REQUIREMENT
20/120	56'-90'	½" C., 2 #10 & 1 #10 GND.
20/120	91'-140'	½" C., 2 #8 & 1 #8 GND.
20/277	131'-205'	½" C., 2 #10 & 1 #10 GND.
20/277	206'-330'	½" C., 2 #8 & 1 #8 GND.

NOTE:

A. CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.

B. WHERE THE UNGROUNDED CONDUCTORS IS INCREASED IN SIZE, INCLUDING FOR VOLTAGE DROP, THE GROUNDED CONDUCTOR SHALL BE INCREASED IN SIZE PROPORTIONATELY PER CEC 250.122(B)

SHEET NOTES

1. KITCHEN EXHAUST FAN; 460V, 1.5HP, 3Ø.
2. AIR CONDITIONING UNIT; 19.21 MCA, 460V, 3Ø.
3. DEDICATED OUTSIDE AIR UNIT; 27.3 MCA, 460V, 3Ø.
4. 3/4"C., 3 #12 & 1 #12 GND.
5. 3/4"C., 3 #10 & 1 #10 GND.
6. COOLER CONDENSING UNIT; 18MCA, 208V, 3Ø.
7. FREEZER CONDENSING UNIT; 29.7MCA, 208V, 3Ø.
8. ¾" C., 3 #8 & 1 #10GND.
9. LOCATE WITHIN 25'-0" OF MECHANICAL UNIT.

GENERAL NOTES:

1. CONTRACTOR SHALL LABEL ALL ELECTRICAL DEVICES WITH ASSOCIATED CIRCUIT NUMBER AND PANEL NAME.
2. FOR ALL KITCHEN EXHAUST FAN AND MAKE-UP AIR UNITS, CONTRACTOR SHALL COORDINATE EXACT LOCATION WITH KITCHEN HOOD CONTRACTOR.
3. ALL POWER AND LIGHTING ELECTRICAL HOMERUNS ARE ½"C., W/ #12 AWG HOT & GROUND. SEE CROSS HATCHES FOR CONDUCTOR QUANTITY.
4. ROOF RECEPTACLE OUTLETS SHALL BE GFCI WITH EXTRA DUTY WEATHERPROOF "IN-USE" COVER. LOCATE RECEPTACLES WITHIN 25' OF MECHANICAL UNITS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR AND RUN BOTH THE HOOD SYSTEM INTERLOCK WIRE AND SUPPLY DAMPER INTERLOCK WIRE FROM THE DOAS TO THE DAMPER/HOOD CONTROLS.

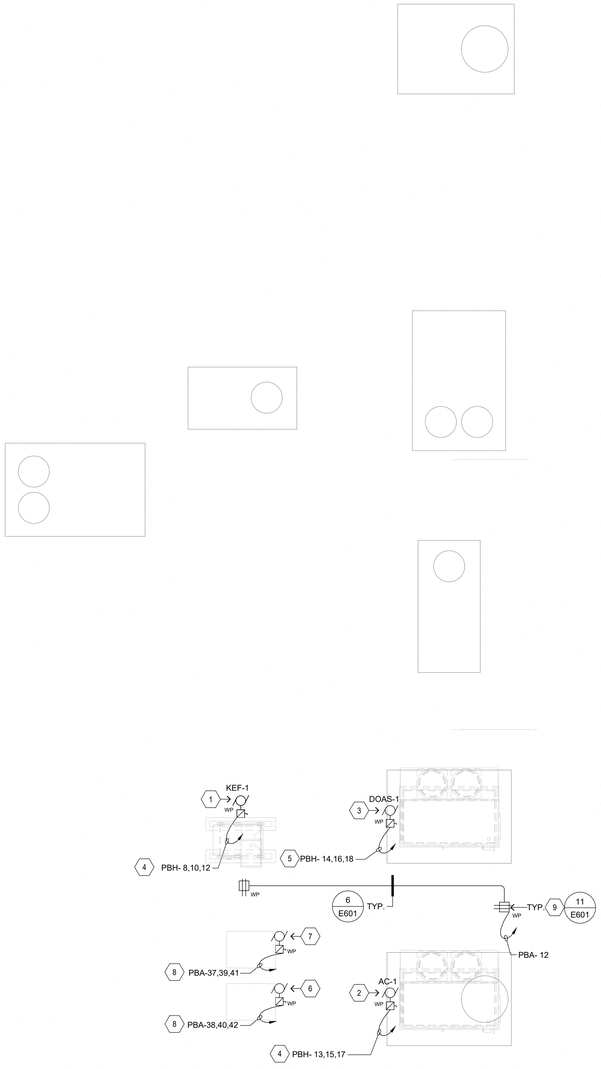
BRANCH CIRCUIT CONDUCTOR SIZING TABLE

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	REQUIREMENT
20/120	56'-90'	½" C., 2 #10 & 1 #10 GND.
20/120	91'-140'	½" C., 2 #8 & 1 #8 GND.
20/277	131'-205'	½" C., 2 #10 & 1 #10 GND.
20/277	206'-330'	½" C., 2 #8 & 1 #8 GND.

NOTE:

A. CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.

B. WHERE THE UNGROUNDED CONDUCTORS IS INCREASED IN SIZE, INCLUDING FOR VOLTAGE DROP, THE GROUNDED CONDUCTOR SHALL BE INCREASED IN SIZE PROPORTIONATELY PER CEC 250.122(B)



ADJACENT TENANT SPACE N.I.C.

ADJACENT TENANT SPACE N.I.C.

(CITY STAMP AREA)

POWER & SYSTEMS PLAN - ROOF

PARIS BAGUETTE

REVISIONS

NO. ITEM DATE

DRAWN BY:

CHECKED BY:

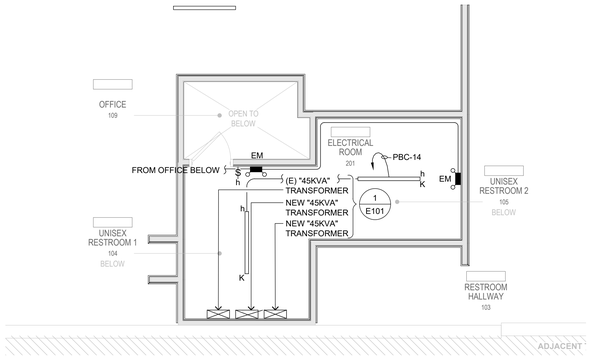
PROJECT NO: DATE:

E402

4' 0' 1' 2' 3' 4'

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

NORTH



2 LIGHTING PLAN - MEZZANINE FLOOR

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

4' 0' 1' 2' 3' 4'

NORTH

GENERAL NOTE:

A. SEE SHEET E601 FOR LIGHTING CONTROLS AND SEQUENCE OF OPERATION.

B. ALL SIGNS TO BE LED WITH POWER SUPPLY HAVING AN EFFICIENCY OF 80 PERCENT OR GREATER.

C. ALL THE EMERGENCY POWER FOR ILLUMINATION SHALL BE PROVIDED BY PREMISES ELECTRICAL SUPPLY AS PER CBC SECTION 1008.3.

D. ALL THE EMERGENCY STORAGE BATTERIES FIXTURES SHALL PROVIDE POWER FOR DURATION OF NOT LESS THAN 90 MINUTES AS PER CBC SECTION 1008.3.4.

E. EMERGENCY ILLUMINATION SHALL BE NOT LESS THAN AN AVERAGE OF 1 FOOTCANDLE AND MINIMUM AT ANY POINT OF 0.1 FOOTCANDLE MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL AS PER CBC 1008.3.5.

BRANCH CIRCUIT CONDUCTOR SIZING TABLE

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	REQUIREMENT
20/120	56'-90'	½" C., 2 #10 & 1 #10 GND.
20/120	91'-140'	½" C., 2 #8 & 1 #8 GND.
20/277	131'-205'	½" C., 2 #10 & 1 #10 GND.
20/277	206'-330'	½" C., 2 #8 & 1 #8 GND.

NOTE:

A. CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.

B. WHERE THE UNGROUNDED CONDUCTORS IS INCREASED IN SIZE, INCLUDING FOR VOLTAGE DROP, THE GROUNDED CONDUCTOR SHALL BE INCREASED IN SIZE PROPORTIONATELY PER CEC 250.122(B)

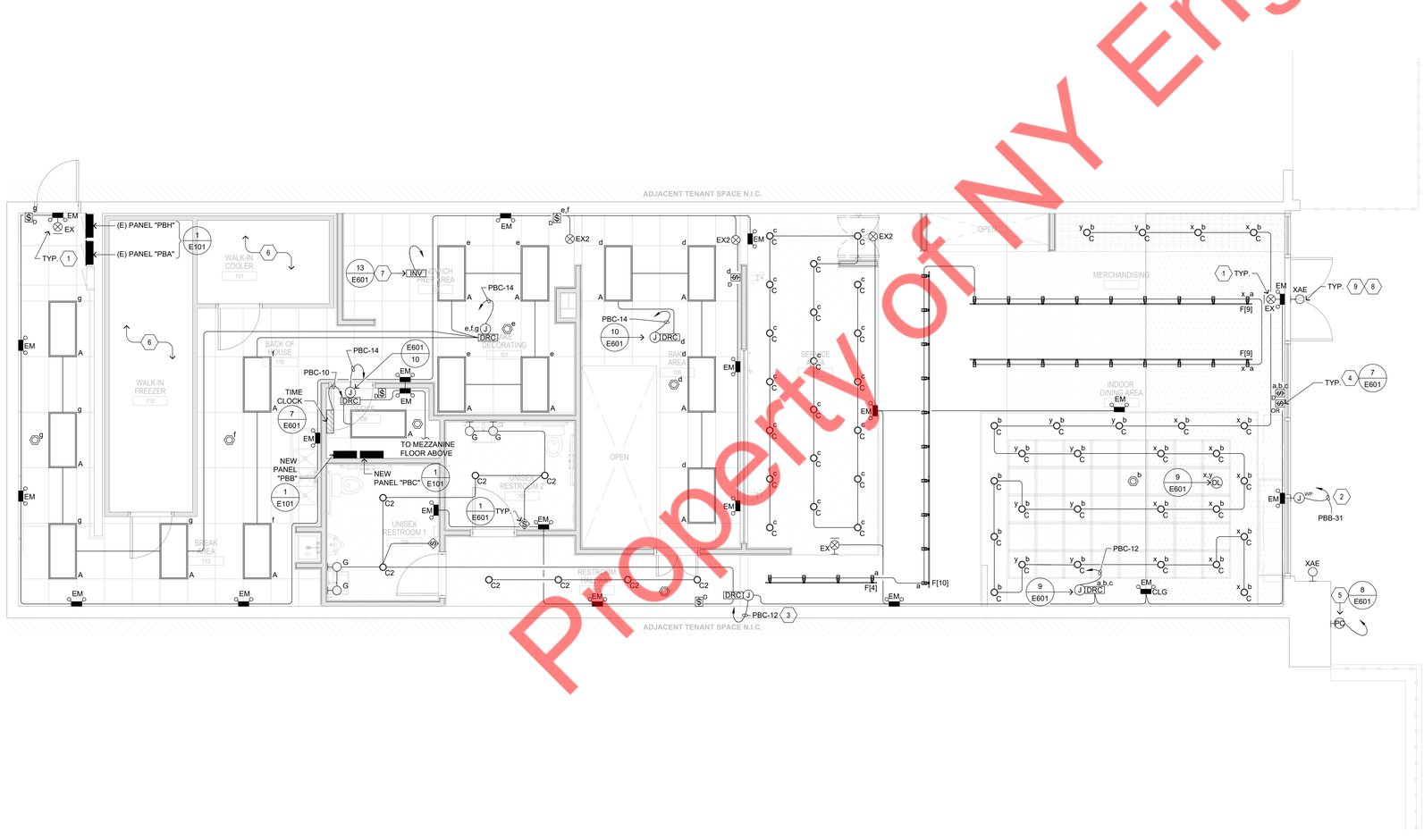
SHEET NOTES

1. CONNECT EM BATTERY BACKUP TO AN UNSWITCHED HOT.
2. LOCATE FOR SIGN LIGHTING. CIRCUIT VIA LIGHTING CONTROL PANEL, 120V, 20 AMP CIRCUIT VIA ¾" C., 2 #10 & 1 #10 GND.
3. CIRCUIT VIA LIGHTING CONTROL PANEL; SCHEDULE ON/OFF TIMES WITH OWNER.
4. LOCATE FOR 2-HOUR OVER-RIDE MAINTENANCE SWITCH FOR AFTER-HOUR USE. EXTEND CABLES TO LIGHTING CONTROL PANEL VIA ½"C., FOR OVER-RIDE OF THE OPEN RETAIL AREA.
5. CONNECT VIA ¾" C., TO LIGHTING CONTROL PANEL.
6. LIGHTS, 120V CONNECT TO 20AMP CIRCUIT SHOWN ON POWER PLANS. SEE FOOD SERVICE PLANS FOR MAKE/MODEL & CONTROL REQUIREMENTS.
7. LOCATE INVERTER IN CEILING SPACE.
8. CONNECT EXTERIOR EM EGRESS LIGHT FIXTURES VIA INVERTER.
9. CIRCUIT VIA LIGHTING CONTROL PANEL FOR ON/OFF FUNCTIONALITY.

DAYLIT ZONES LEGEND

PRIMARY DAYLIT ZONE

SECONDARY DAYLIT ZONE



1 LIGHTING PLAN - FLOOR

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

4' 0' 1' 2' 3' 4'

NORTH

(CITY STAMP AREA)

LIGHTING PLAN - FLOOR

PARIS BAGUETTE

REVISIONS

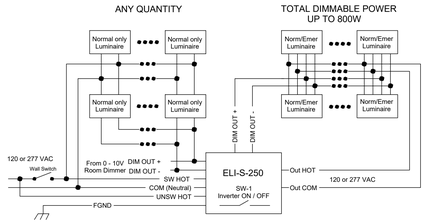
NO. ITEM DATE

DRAWN BY:

CHECKED BY:

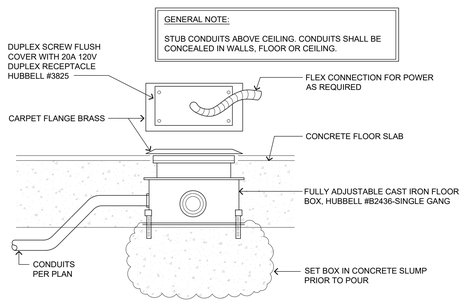
PROJECT NO: DATE:

E501



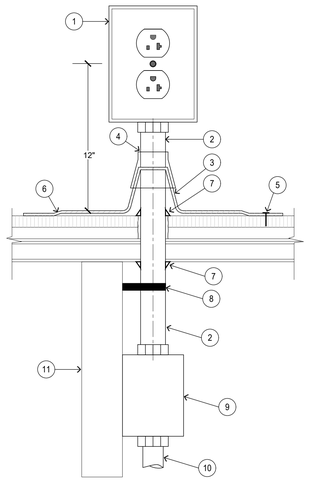
13 INVERTER WIRING DIAGRAM

NO SCALE



12 FLUSH FLOOR OUTLET OFFICE PARTITION

NO SCALE

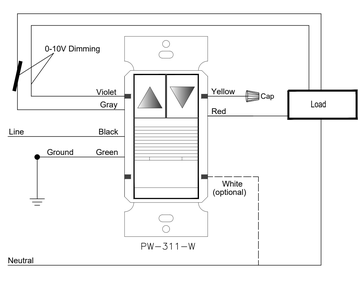


DETAIL NOTES:

1. WEATHERPROOF RECEPTACLE. PROVIDE AND INSTALL METAL, EXTRA DUTY IN-USE WEATHERPROOF COVER; HUBBELL TAYMAC OR EQUAL.
2. CONDUIT PER DRAWINGS.
3. PENETRATION FLASHING ("ROOF JACK") SET IN PREHEATED SURFACE.
4. 3" WIDE ELASTOMERIC FLASHING STRIP OR NON-HARDENING MASTIC.
5. STAGGERED NAILING.
6. MOPPED HOT TAR.
7. PROVIDE FIRE STOPPING MATERIAL SIMILAR TO U.L. FC 1002 REQUIREMENTS.
8. CONDUIT CLAMPS AS REQUIRED.
9. J-BOX, SIZE AS REQUIRED.
10. BRANCH CIRCUIT CONDUITS, PER PLANS.
11. ROOF STRUCTURE SEE STRUCTURAL DRAWINGS.

11 RECP. MOUNT DETAIL

NO SCALE



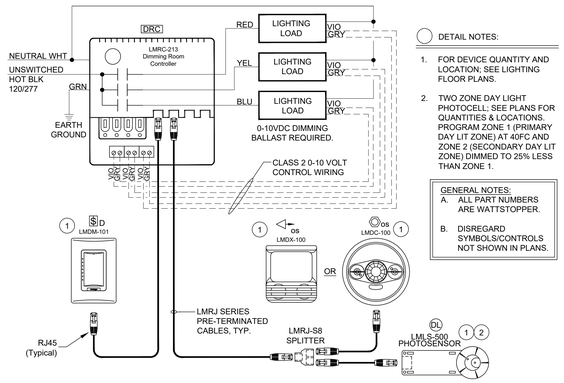
GENERAL NOTE:
PROVIDE & INSTALL ½"C. FOR CLASS 2 0-10V CONTROL WIRING.

OSD OSO DIMMING SWITCH WITH OCCUPANCY SENSOR

NO SCALE

LMRC-213

3-RELAY 0-10V DIMMING CONTROLLER
Provides three (3) controllable switch-legs with three (3) channels of 0-10V dimming



DETAIL NOTES:

1. FOR DEVICE QUANTITY AND LOCATION; SEE LIGHTING FLOOR PLANS.
2. TWO ZONE DAY LIGHT PHOTOCELL; SEE PLANS FOR QUANTITIES & LOCATIONS. PROGRAM ZONE 1 (PRIMARY DAY LIT ZONE) AT 40FC AND ZONE 2 (SECONDARY DAY LIT ZONE) DIMMED TO 25% LESS THAN ZONE 1.

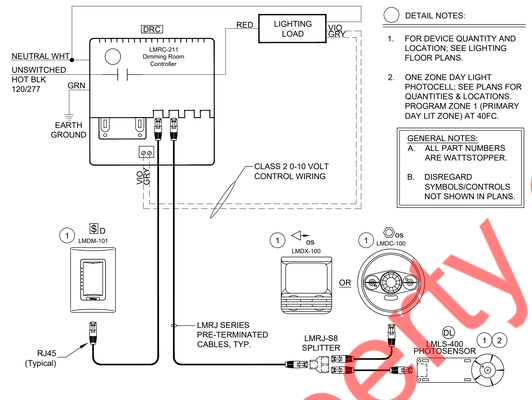
GENERAL NOTES:
A. ALL PART NUMBERS ARE WATTSTOPPER.
B. DISREGARD SYMBOLS/CONTROLS NOT SHOWN IN PLANS.

9 3-ZONE DIMMING LIGHTING CONTROLS

NO SCALE

LMRC-211

1-RELAY 0-10V DIMMING CONTROLLER
Provides one (1) controllable switch-leg with one (1) channel of 0-10V dimming



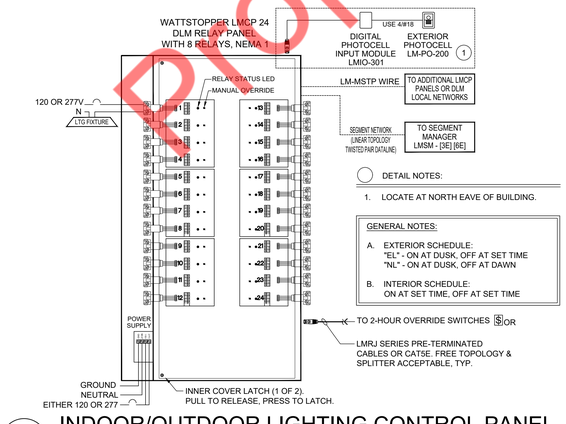
DETAIL NOTES:

1. FOR DEVICE QUANTITY AND LOCATION; SEE LIGHTING FLOOR PLANS.
2. ONE ZONE DAY LIGHT PHOTOCELL; SEE PLANS FOR QUANTITIES & LOCATIONS. PROGRAM ZONE 1 (PRIMARY DAY LIT ZONE) AT 40FC.

GENERAL NOTES:
A. ALL PART NUMBERS ARE WATTSTOPPER.
B. DISREGARD SYMBOLS/CONTROLS NOT SHOWN IN PLANS.

8 1-ZONE DIMMING LIGHTING CONTROLS

NO SCALE



DETAIL NOTES:

1. LOCATE AT NORTH EAVE OF BUILDING.

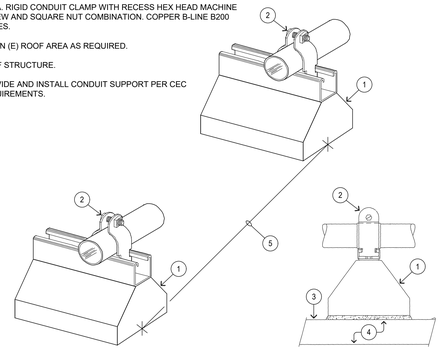
GENERAL NOTES:
A. EXTERIOR SCHEDULE:
"EL" - ON AT DUSK, OFF AT SET TIME
"NL" - ON AT DUSK, OFF AT DAWN
B. INTERIOR SCHEDULE:
ON AT SET TIME, OFF AT SET TIME

7 INDOOR/OUTDOOR LIGHTING CONTROL PANEL

NO SCALE

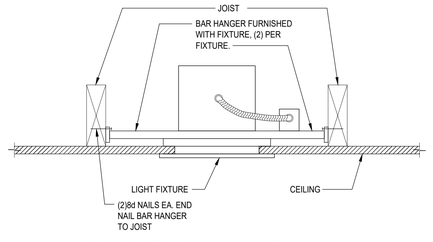
DETAIL NOTES:

1. ROOF TOP CONDUIT SUPPORT; 5" x 6" x 9.5" WITH 1" HIGH 14 GA. GALVANIZED CHANNEL STRUT. COOPER B-LINE "DB" SERIES.
2. 10 GA. RIGID CONDUIT CLAMP WITH RECESS HEX HEAD MACHINE SCREW AND SQUARE NUT COMBINATION. COPPER B-LINE B200 SERIES.
3. CLEAN (E) ROOF AREA AS REQUIRED.
4. ROOF STRUCTURE.
5. PROVIDE AND INSTALL CONDUIT SUPPORT PER CEC REQUIREMENTS.



6 ROOF MOUNTED CONDUIT SUPPORT DETAIL

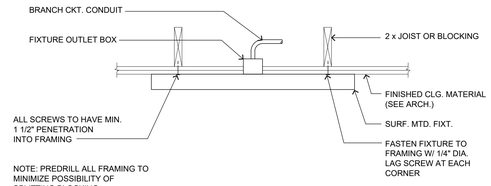
NO SCALE



RECESSED FIXTURE IN GYP. BOARD CEILING

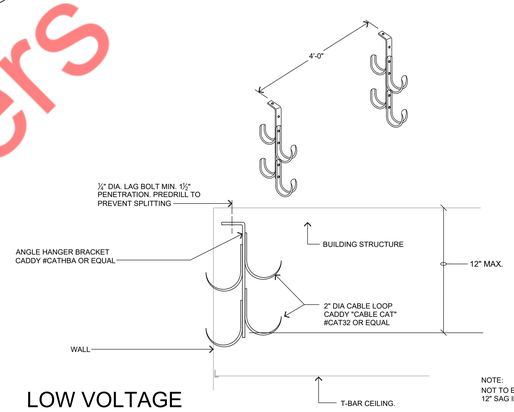
5 FIXTURE MOUNTING DETAIL

NO SCALE



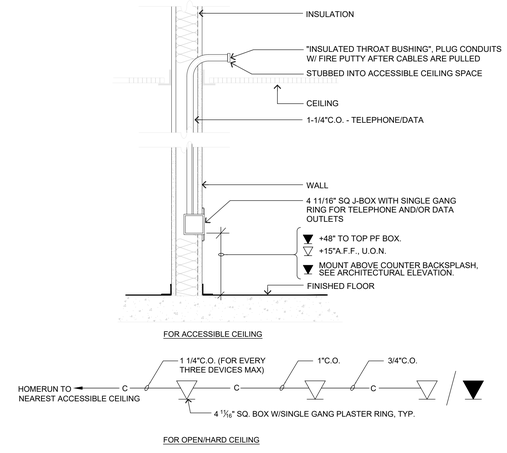
4 SURFACE MOUNTED FIXTURE DETAIL

NO SCALE



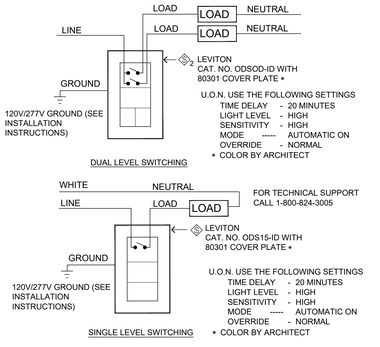
3 LOW VOLTAGE CABLE SUPPORT DETAIL

NO SCALE



2 TELE/DATA/LOW VOLTAGE SWITCH OUTLET

NO SCALE



1 WALL OCC. SENSOR WIRING

NO SCALE

(CITY STAMP AREA)

ELECTRICAL DETAILS

PARIS BAGUETTE

REVISIONS
NO. ITEM DATE

DRAWN BY:
CHECKED BY:
PROJECT NO: DATE:

E601

INTERIOR LIGHTING & RECPTACLE CONTROLS SEQUENCE OF OPERATION

ROOM TYPE	OCCUPANCY SENSOR - MANUAL ON	OCCUPANCY SENSOR - AUTO ON	VACANCY SENSOR - AUTO ON	OCCUPANCY SENSOR - PARTIAL OFF(DIM TO 50% WHEN UNOCCUPIED)	OCCUPANCY SENSOR - PARTIAL OFF(50%-70% WHEN OCCUPIED)	CONTINUOUS DIMMING TO OFF	MANUAL ON/OFF SWITCH	MULTI ZONE DIMMING	AUTO TIME CLOCK-OFF (W/ 2-HOUR OVER-RIDE SWITCH)	AUTO TIME CLOCK-ON (W/ 2-HOUR OVER-RIDE SWITCH)	DAY LIGHT SENSOR - AUTO DIMMING (WHERE SHOWN ON PLANS)	OVERRIDE SWITCH CONTROL	SET LIGHT LEVEL FC TO IES RECOMMENDATIONS	SET LIGHT LEVEL TO 100% ON	ACCEPTANCE TESTING OF CONTROLS BY CLCATT	REMARKS
PRIVATE OFFICE < 250 SQ. FT.					•	•							•		•	
BACK OF HOUSE				•		•		•			•			•	•	
KITCHEN/BAKE AREA/SANDWICH PREP AREA							•				•			•	•	
CORRIDORS/HALLWAYS/LIBRARY STACKS/WAREHOUSE AISLE				•			•		•	•		•		•	•	DIM TO 50% WHEN UNOCCUPIED/'ON' AND 'OFF' TIME SET PER OWNER.
MEN'S & WOMEN'S RESTROOMS < 100 SQ. FT.	•		•				•							•	•	
RECEPTION/LOBBY/SERVICE AREA/INDOOR DINING AREA								•	•	•	•	•		•	•	'ON' AND 'OFF' TIME SET PER OWNER.
PRIVATE OFFICE WITHOUT DAY LIGHTING					•	•							•		•	
CONTROLLED RECEPTACLES		•	•												•	

GENERAL NOTES:

A. LIGHTING CONTROL SYSTEMS SHALL BE CAPABLE OF MEETING DEMAND RESPONSE REQUIREMENTS OF ENERGY COMPLIANCE.

B. DAYLIGHT SENSORS & DEMAND RESPONSE REQUIREMENTS ARE EXEMPT FROM THIS PROJECT PER CALIFORNIA TITLE 24 "TABLE 141.0-E CONTROL REQUIREMENTS FOR ENTIRE LUMINAIRE ALTERATIONS" LIGHTING POWER DENSITY IS < 85% OF ALLOWANCE .

C. LIGHTING CONTROL SYSTEM ALONG PATH OF EGRESS SHALL MAINTAIN A MINIMUM OF 1 F.C. (FOOT-CANDLE).

D. FOR VACANCY/OCCUPANCY SENSORS FUNCTION; SEE CALIFORNIA ENERGY COMPLIANCE TITLE 24 SECTION "H" INDOOR LIGHTING CONTROLS.

GENERAL DETAIL NOTES:

A. ALL PART #s ARE WATTSTOPPER.

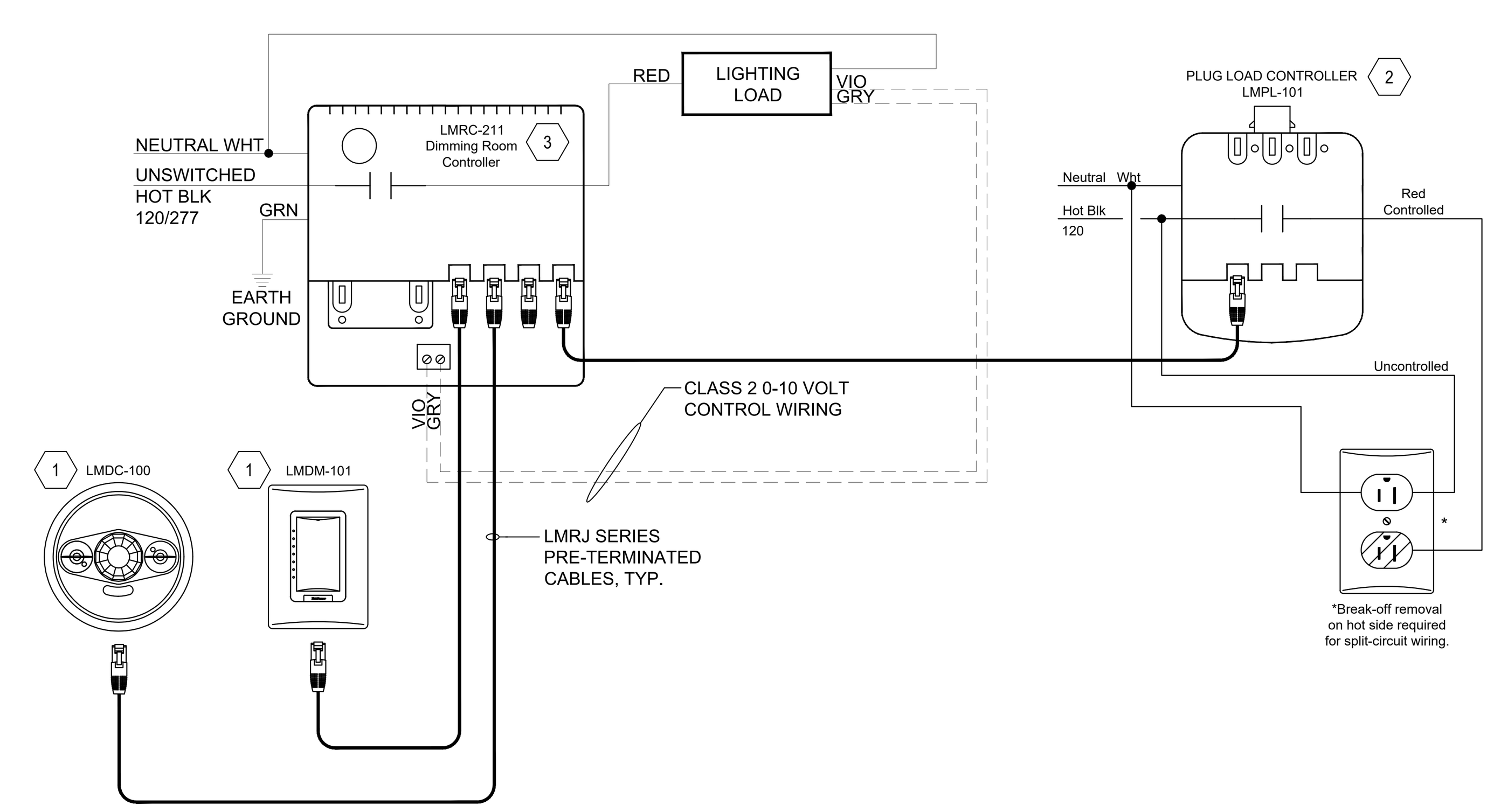
B. THIS DETAIL IS FOR GENERAL INFORMATION ONLY. CONTRACTOR SHALL OBTAIN AND FURNISH AUTOCAD DRAWINGS FROM FACTORY REPRESENTATIVE PER SPECIFICATION SECTION 16950,1.05B.

C. FOR CORRIDOR/HALLWAY/STAIRWELL LOCATIONS CONTROLLED BY OCCUPANCY SENSOR. SENSOR SHALL REDUCE THE LIGHTING POWER IN CORRIDOR/HALLWAY/STAIRWELL TO 50% MINIMUM WHEN SPACE IS UNOCCUPIED.

D. WHEN NETWORKING, ENSURE ONLY ONE (1) NETWORK BRIDGE PER ROOM.

SHEET NOTES

1. FOR DEVICE QUANTITY AND LOCATION; SEE LIGHTING FLOOR PLANS.
2. FOR DEVICE QUANTITY AND LOCATION; SEE POWER FLOOR PLANS.
3. LMRC-211 IS A (1) LOAD ROOM CONTROLLER THAT WILL CONTROL A SINGLE (1) 20A CIRCUIT 0-10V CONTROL.



1 1-ZONE DIMMING WITH PLUG LOAD CONTROLS

NO SCALE

(CITY STAMP AREA)

ELECTRICAL DETAILS

PARIS BAGUETTE

REVISIONS

NO. ITEM DATE

DRAWN BY:

CHECKED BY:

PROJECT NO: DATE:

E602