

LIGHTING FIXTURE SCHEDULE										
MARK	LEGEND	VOLT	COUNT	MOUNT	DESCRIPTION	MANUFACTURER	MODEL NUMBER	LAMPS	INPUT WATTS	NOTES
A 49		120	3	POLE	LED POLE LIGHT	LITHONIA	DSXO LED P2 30K T4M MVOLT	LED	49	OR APPROVED EQUAL
B 35		120	6	RECESSED	LED CANOPY LIGHT	LITHONIA	CNY LED CANOPY P1=4500LM	LED	35	OR APPROVED EQUAL

NOTES:  
 1) VERIFY WITH OWNER OR ARCHITECT BEFORE PURCHASING THE LIGHTING FIXTURES.  
 2) LIGHTING ABOVE FOOD OR UTENSILS SHALL BE SHATTERPROOF.

- ### ELECTRICAL WIRING METHODS
- FOR UNDERGROUND AND EXPOSED UP TO +5'-0", OR DAMP LOCATION, THE CONDUIT SHALL BE RIGID STEEL GALVANIZED IMC. NO RUNNING THREADS ARE PERMITTED.
  - GALVANIZED EMT SHALL BE USED IN DRY CONCEALED LOCATIONS AND EXPOSED ABOVE +5'-0". EMT CONNECTORS SHALL BE WATERTIGHT COMPRESSION TYPE.
  - GALVANIZED FLEXIBLE CONDUIT SHALL BE USED ONLY FOR MOTOR AND FIXTURE CONNECTIONS IN LENGTHS NOT TO EXCEED 6'.
  - CONDUITS PENETRATING THE ROOF SHALL BE FLASHED AND COUNTER FLASHED.
  - PVC SCHEDULE 40 MAY BE USED UNDER FLOOR SLABS OR UNDERGROUND WITH GROUND WIRE. PVC UNDERGROUND TO HAVE 24 INCH COVER.
  - SERVICE CONDUITS SHALL BE PVC SCHEDULE 40 OR AS SPECIFIED BY UTILITY COMPANIES.
  - INSTALL FITTINGS, SPECIAL DEVICES AND MATERIAL, WHICH MAY BE REQUIRED FOR THE PROPER INSTALLATION OF THE CONDUIT SYSTEM.
  - REFER TO NEC 300.5 FOR UNDERGROUND INSTALLATION REQUIREMENTS AND DETAILS; NEC 300.6 FOR CORROSION AND DETERIORATION AREAS.

- ### LIGHTING FIXTURE NOTES
- ALL EQUIPMENTS MUST BE UL LISTED. NO EXCEPTION.
  - AUTO-RESETTING THERMAL PROTECTION MUST BE PROVIDED WHEREAS RECESSED INCANDESCENT LIGHTING FIXTURES ARE INSTALLED IN GYPSOBOARD CEILINGS.
  - PROVIDE UL LISTED THERMAL BARRIER WHEREAS LIGHTING FIXTURES IN CONTACT WITH INSULATION. OR PROVIDE 3" MINIMUM CLEARANCE.
  - WHEN LIGHTING FIXTURES ARE INSTALLED IN FIRE RATED CEILINGS OR WALLS, AN APPROVED FIRE RESISTIVE MANNER CONSISTENT WITH FIRE RATING OF CEILING OR WALLS MUST BE PROVIDED. NO EXCEPTION.
  - REFER TO LATEST ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LIGHTING FIXTURE LOCATIONS.
  - CONFIRM WITH ARCHITECTURE FOR LIGHTING FIXTURE SPECIFICATIONS PRIOR TO ANY ORDER. NO EXCEPTION.
  - ALL FLUORESCENT LIGHTING FIXTURES MUST BE EQUIPPED WITH INTERNAL SWITCH TO DISCONNECT ALL CONDUCTORS TO BALLAST FROM THE SOURCE SIMULTANEOUSLY, INCLUDING THE GROUNDED CONDUCTOR IF ANY.
  - LIGHTING STANDARDS REQUIRE A SEPARATE PERMIT. ALL SIGN REQUIRE SEPARATE PERMITS AND APPROVALS ALSO. NO EXCEPTION.

### CAUTION

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

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

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

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

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

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

- ### DEMOLITION NOTES
- THE DRAWINGS SHOW THE WORK TO BE IN PLACE AT THE COMPLETION OF INSTALLATION. MAKE NECESSARY ALTERNATIONS TO COORDINATE AND CONNECT THE EXISTING ELECTRICAL WORK WITH THE NEW SUCH THAT, WHEN THE WORK IS DONE, THE ENTIRE ELECTRICAL INSTALLATION, EXISTING AND NEW, IS IN COMPLETE OPERATING CONDITION.
  - UNLESS SPECIFICALLY NOTED ON THE CONTRARY, ALL EXISTING LIGHTING FIXTURES, SWITCHES, CONTROLS AND OTHER MATERIALS OR EQUIPMENTS WHICH ARE REPLACED BY NEW AND ARE NOT INDICATED TO BE REUSED SHALL BE RETURNED TO THE OWNER OR BE DISPOSED AS DIRECTED BY THE OWNER.
  - EXISTING MATERIAL TO REMAIN UPON COMPLETION IS INDICATED ON DRAWINGS AS EXISTING. FEEDERS (CONDUIT AND WIRES) ARE EXISTING TO THEIR RESPECTIVE SOURCE, ALTHOUGH NOT INDICATED ON THE DRAWINGS, TEMPORARY REMOVAL OR RE-ROUTE CONDUITS AND REPLACE EXISTING WIRES WITH NEW DURING CONSTRUCTION WORK MAYBE REQUIRED.
  - PROVIDE AND INSTALL NEW COVER PLATES FOR ALL REMOVED OUTLETS, SWITCHES, LIGHT FIXTURES, AND OTHER ELECTRICAL DEVICES WHEN THE OUTLET BOX IS TO REMAIN.
  - REMOVE ALL EXISTING ABANDONED FEEDERS (CONDUITS AND WIRES) BACK TO PANEL BOARDS. LABEL NEW PANEL DIRECTORY AS "SPARE".
  - MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS, EQUIPMENT, ETC., FED BY ABANDONED OUTLET. THEY SHOULD BE IN OPERATION AFTER THE WORK IS DONE. MAINTAINING CONTINUITY SHALL CONSIST OF RE-ROUTING OF CONDUIT AND WIRING, AS REQUIRED TO SUIT THE EXISTING CONDITIONS.
  - DASHED J-BOX DENOTES APPROXIMATE LOCATION OF EXISTING BOXES IN ACCESSIBLE CEILING SPACE. ALL CONDUIT SHOWN FROM J-BOX IS NEW UNLESS SHOWN OTHERWISE AS DASHED. REFER TO ELECTRICAL SYMBOL LIST.
  - EXISTING LOADS SHOWN ON PANEL SCHEDULES ARE BASED ON ASSUMPTIONS MADE BY FIELD VISIT, ELECTRICAL BILLS OR PUBLIC RESOURCES. NOTIFY ENGINEER IMMEDIATELY IF LOADS EXCEED 16 AMPS ON ANY 20A/1P CIRCUIT. NO EXCEPTION.
  - CAREFULLY REVIEW ARCHITECT'S DEMO DRAWINGS FOR LOCATION OF WALLS BEING REMOVED UNDER THIS SCOPE OF THIS WORK AND REMOVE ALL FEEDERS (CONDUITS AND WIRES) BACK TO LAST DEVICE LEFT IN SERVICE. DO NOT LEAVE ABANDONED.
  - CAREFULLY REVIEW ARCHITECT'S DEMO DRAWINGS FOR EXISTING FLOOR BOXES BEING REMOVED UNDER THIS SCOPE OF WORK. REMOVE FLOOR BOXES AND ALL FEEDERS (CONDUITS AND WIRES) BACK TO LAST DEVICE LEFT IN SERVICE. DO NOT LEAVE ABANDONED.

- ### GENERAL ELECTRICAL NOTES
- VERIFY IN FIELD. ADJUST THE LOCATIONS OF HOMERUNS AND CIRCUIT NUMBERS ACCORDING TO EXISTING CONDITIONS IF NEEDED. COMMUNICATE WITH ENGINEER IF DESIGN SHOULD BE ALTERNATED. NO EXCEPTION.
  - IDENTIFY ANY OBVIOUS EXISTING CODE VIOLATIONS THAT OCCURS AS AN EXISTING CONDITION AND PROVIDE SEPARATE PRICING TO CORRECT THE CONDITION SO THAT IN THE END, THE ENTIRE ELECTRICAL INSTALLATION COMPLIES WITH THE NATIONAL ELECTRICAL CODE AND ALL OTHER LOCAL CODES.
  - IF THERE IS ANY DEVIATION FROM THE CIRCUITRY SHOWN, PROVIDE AS-BUILT DRAWINGS INDICATING SUCH.
  - AT THE COMPLETION OF CONSTRUCTION WORK, AND PRIOR TO THE FINAL REVIEW BY THE ARCHITECT, PROVIDE PANEL DIRECTORIES IN PANELBOARD FRONTS REFLECTING ALL CHANGES MADE DURING CONSTRUCTION.
  - THIS DOCUMENT IS NOT FOR BID OR CONSTRUCTION UNTIL THE PLAN HAS BEEN REVIEWED AND APPROVED BY ALL AUTHORITIES HAVING JURISDICTION AND THE PERMIT IS OBTAINED. NO COMPENSATION WILL BE MADE FOR ADDITIONAL WORK DUE TO THE VIOLATION OF THIS REQUIREMENT.

### ELECTRICAL SYMBOL LIST

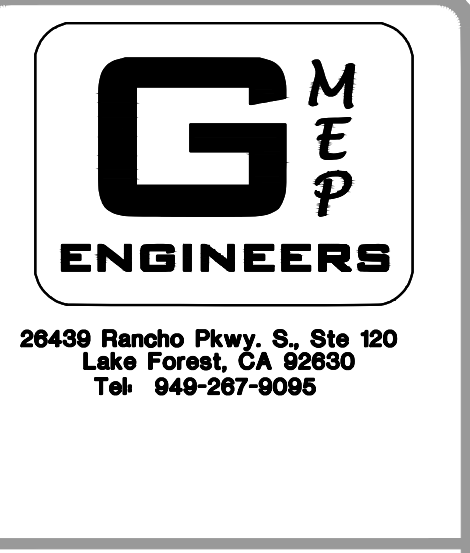
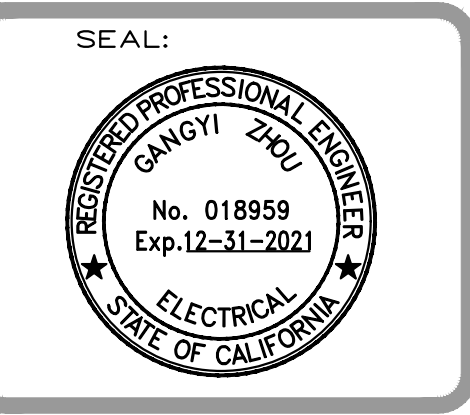
SYMBOL	DESCRIPTION
SECTION 1. SYMBOLS FOR CONDUITS	
	HOMERUN TO PANEL OR EQUIPMENT AS NOTED
	CONDUIT RUN CONCEALED IN WALL OR ABOVE FINISHED CEILING OR AS NOTED OR SYMBOLIZED AS: --- 1/2" C.-3 #12 --- 3/4" C.-6 #12 --- 1/2" C.-4#12 --- 3/4" C.-7 #12 --- 3/4" C.-5#12 --- 3/4" C.-8#12
	CONDUIT IN OR UNDER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

### SCOPE OF WORK

- SCOPE OF WORK FOR SPACE PERTAINS TO THE FOLLOWING:
  - PROVIDE PHOTOMETRIC PLAN.
  - POWER LIGHTING AS SHOWN ON SITE LIGHTING PLAN.

SINGLE LINE DIAGRAM IS BASED ON LIMITED INFORMATION GIVEN. VERIFY IN FIELD BEFORE ISSUING ANY BID. NOTIFY THE ENGINEER IMMEDIATELY IF ANY MAJOR DISCREPANCIES OCCUR. NO COMPENSATION WILL BE MADE AFTER BID. NO EXCEPTIONS.

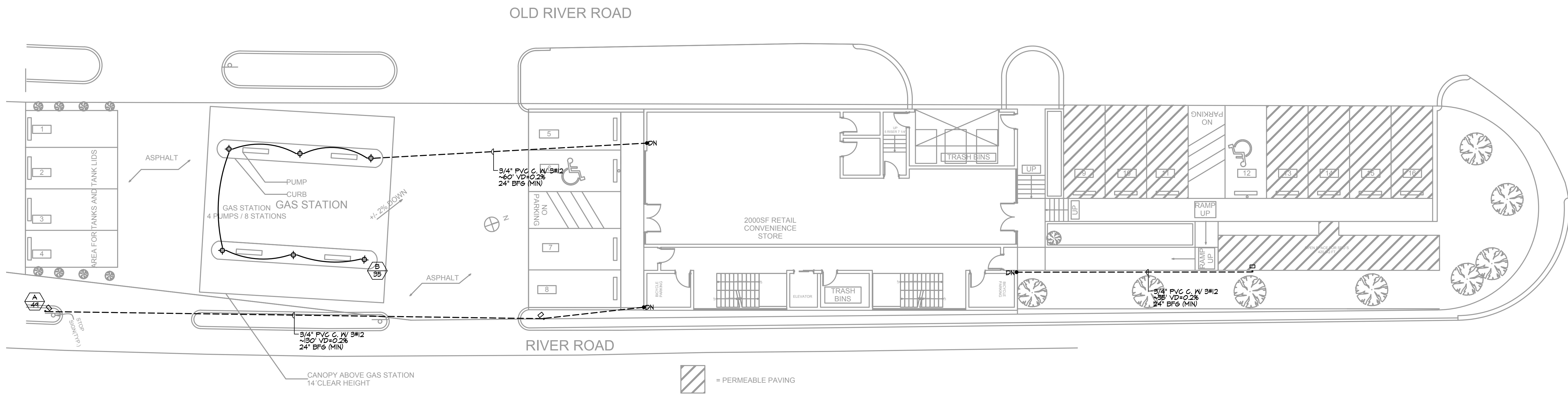
REVISIONS		
NO.	DATE	DESCRIPTION



PROJECT NAME:  
**15190 RIVER ROAD**  
 15180 RIVER ROAD  
 GUERNEVILLE, CA 95448

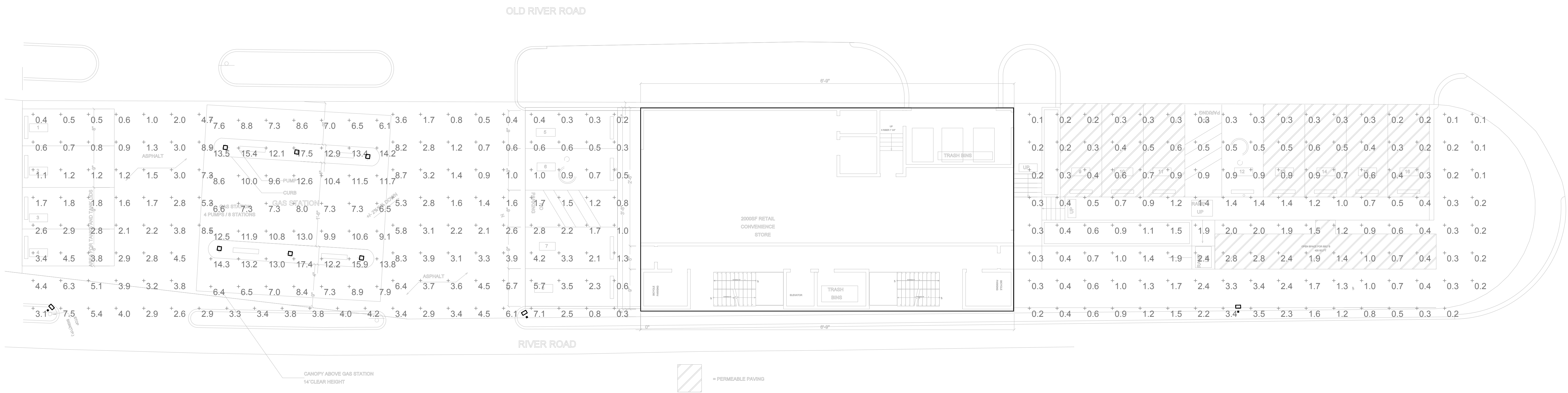
SHEET TITLE:  
**ELECTRICAL GENERAL NOTES**

DRAWN  
GMEP  
 CHECKED  
GMEP  
 DATE  
11/05/2021  
 SCALE  
AS NOTED  
 JOB NO.  
21-A67  
 SHEET  
**E-1.0**



**ELECTRICAL - SITE PLAN**

SCALE: 3/32"=1'-0"



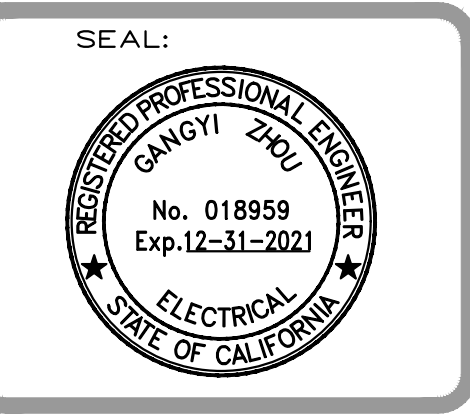
**ELECTRICAL - PHOTOMETRIC PLAN**

SCALE: 3/32"=1'-0"

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
□	A	3	Lithonia Lighting	DSX0 LED P2 30K T4M MVOLT	DSX0 LED P2 30K T4M MVOLT	LED	1	5458	1	49
□	B	6	Lithonia Lighting	CNY LED P1 40K MVOLT	CNY LED Canopy P1=4,500lm	LED	108	4476	1	35.36

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
CANOPY	+	10.3 fc	17.5 fc	6.1 fc	2.9:1	1.7:1
PARKING	+	1.8 fc	8.9 fc	0.1 fc	89.0:1	18.0:1
TOTAL		3.1 fc	17.5 fc	0.1 fc	175.0:1	31.2:1

REVISIONS		
NO.	DATE	DESCRIPTION



**GMEP ENGINEERS**  
 28439 Rancho Pkwy. S., Ste 120  
 Lake Forest, CA 92650  
 Tel: 949-267-9066

PROJECT NAME:  
**15190 RIVER ROAD**  
 15190 RIVER ROAD  
 GUERNEVILLE, CA 95448

SHEET TITLE  
**ELECTRICAL PHOTOMETRIC PLAN**

DRAWN: CMEP  
 CHECKED: CMEP  
 DATE: 11/05/2021  
 SCALE: AS NOTED  
 JOB NO.: 21-A67  
 SHEET: **E-2.0**

STATE OF CALIFORNIA  
Outdoor Lighting  
NRCC-LTO-E (Created 11/19)

CALIFORNIA ENERGY COMMISSION  
NRCC-LTO-E

CERTIFICATE OF COMPLIANCE  
This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.2, §140.7, and §141.0(b)(2) for outdoor lighting scopes using the prescriptive path.

Project Name: 21-A67 15190 RIVER ROAD  
Project Address: 15190 RIVER ROAD, GUERNEVILLE, CA 95446  
Report Page: Page 1 of 6  
Date Prepared: 11/05/2021

**A. GENERAL INFORMATION**

01 Project Location (city) GUERNEVILLE 04 Total Illuminated Hardscape Area (ft²) 12,000  
02 Climate Zone 2  
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 - Rural Areas  LZ-4: High - Must be reviewed by CA Energy Commission for Approval  
 LZ-1: Low - Developed Parkland  LZ-3: Moderately High - Urban Areas

**B. PROJECT SCOPE**

Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2) for alterations.

My project consists of:

New Lighting System Must Comply with Allowances from §140.7.  
 Altered Lighting System Is your alteration increasing the connected lighting load (Watts)?  Yes  No

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

**C. COMPLIANCE RESULTS**

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

Calculation of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)(2)		Compliance Results						
01	02	03	04	05	06	07	08	09
General Hardscape Allowance §140.7(d)1 (See Table I)	Per Application §140.7(d)2 (See Table J)	Sales Frontage §140.7(d)2 (See Table K)	Ornamental §140.7(d)2 (See Table L)	Per Specific Area §140.7(d)2 OR Existing Power §141.0(b)2L (See Table M)	Total Allowed (Watts)	≥	Total Actual (Watts)	07 Must be ≥ 08
768.75	+	+	+	+	768.75	≥	357	COMPLIES

Cutoff Compliance (See Table G for Details) Not Applicable  
Controls Compliance (See Table H for Details) COMPLIES

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

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CERTIFICATE OF COMPLIANCE  
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GENERAL LANDSCAPE	Asphalt	12,000	0.025	300	475	0.25	118.75	418.75
Initial Wattage Allowance for Entire Site (Watts):					350			
Total General Hardscape Allowance (Watts):					768.75			

**J. LIGHTING ALLOWANCE: PER APPLICATION**  
This Section Does Not Apply

**K. LIGHTING ALLOWANCE: SALES FRONTAGE**  
This Section Does Not Apply

**L. LIGHTING ALLOWANCE: ORNAMENTAL**  
This Section Does Not Apply

**M. LIGHTING ALLOWANCE: PER SPECIFIC AREA**  
This Section Does Not Apply

**N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)**  
This Section Does Not Apply

**O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION**

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

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTO-01-E - Must be submitted for all buildings.	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>

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

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CERTIFICATE OF COMPLIANCE  
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**D. EXCEPTIONAL CONDITIONS**

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

No exceptional conditions apply to this project.

**E. ADDITIONAL REMARKS**

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

**F. OUTDOOR LIGHTING FIXTURE SCHEDULE**

Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)(2) (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).

Designed Wattage:

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire <sup>1,2</sup>	How Wattage is determined	Total number luminaires <sup>3</sup>	Luminaire Status <sup>4</sup>	Excluded per §140.7(a)	Design Watts	Cutoff Req. ≥ 6,200 initial lumen output §130.2(b)*	Field Inspector
A	POLE LIGHT <input type="checkbox"/> Linear	49	Mfr. Spec <sup>1</sup>	3	New	<input type="checkbox"/>	147	NA: <6,200 lumens	Pass Fail
B	CANOPY LIGHT <input type="checkbox"/> Linear	35	Mfr. Spec <sup>1</sup>	6	New	<input type="checkbox"/>	210	NA: <6,200 lumens	Pass Fail
Total Designed Watts: 357									

\* 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).

<sup>1</sup> FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c).  
<sup>2</sup> For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires.  
<sup>3</sup> 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 Reinstated" for existing luminaires which are being removed and reinstalled as part of the project scope  
<sup>4</sup> Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output ≥ 6,200 unless exempted by §130.2(b).

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

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Report Page: Page 5 of 6  
Date Prepared: 11/05/2021

**P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: [http://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/ATTCP/](http://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/ATTCP/)

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	<input type="checkbox"/>	<input type="checkbox"/>

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

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Project Address: 15190 RIVER ROAD, GUERNEVILLE, CA 95446  
Report Page: Page 3 of 6  
Date Prepared: 11/05/2021

**G. CUTOFF REQUIREMENTS (BUG)**

This Section Does Not Apply

**H. OUTDOOR LIGHTING CONTROLS**

Table Instructions: Complete this table demonstrating 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.

When an option having a \* is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt\* from the dropdown list to indicate not applicable or an exemption.

**Mandatory Controls**

01	02	03	04	05
Area Description	Shut-Off §130.2(c)1	Auto-Schedule §130.2(c)2	Motion Sensor §130.2(c)3	Field Inspector
GENERAL LANDSCAPE	Photocontrol	Yes	NA: Façade, etc. ≤ 24ft	Pass Fail

\*NOTES: Controls with a \* require a note in the space below explaining how compliance is achieved.  
EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).

**I. LIGHTING POWER ALLOWANCE (per §140.7)**

Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B. 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.

01		05		06		07		08		09		10	
General Hardscape Allowance		"Use it or lose it" Allowances (select all that apply)		Area Wattage Allowance (AWA)		Linear Wattage Allowance (LWA)		Perimeter		Total General AWA + LWA			
<input checked="" type="checkbox"/>		<input type="checkbox"/> Per Application <input type="checkbox"/> Sales Frontage <input type="checkbox"/> Ornamental <input type="checkbox"/> Per Specific Area		Area (ft²)		Perimeter Length (ft)		Allowed Density (W/ft²)		Allowed Density (W/ft²)		Total General AWA + LWA (Watts)	
Area Description	Surface Type	Table I (below)	Table J	Table K	Table L	Table M	Table N	Table O	Table P	Table Q	Table R	Table S	Table T
GENERAL LANDSCAPE	Asphalt	12,000	0.025	300	475	0.25	118.75	418.75					

Table Continued

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

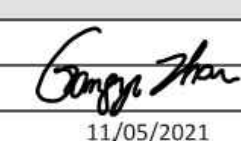
STATE OF CALIFORNIA  
Outdoor Lighting  
NRCC-LTO-E (Created 11/19)

CALIFORNIA ENERGY COMMISSION  
NRCC-LTO-E

CERTIFICATE OF COMPLIANCE  
Project Name: 21-A67 15190 RIVER ROAD  
Project Address: 15190 RIVER ROAD, GUERNEVILLE, CA 95446  
Report Page: Page 6 of 6  
Date Prepared: 11/05/2021

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

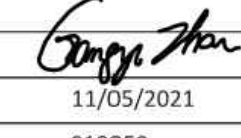
I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name: GANGYI ZHOU  
Documentation Author Signature:   
Company: GMFP ENGINEERS  
Signature Date: 11/05/2021  
Address: 26439 RANCHO PARKWAY S., STE 120  
City/State/Zip: LAKE FOREST/CA/92630  
Phone: 949-267-9095  
City/State/Zip: LAKE FOREST/CA/92630  
Phone: 949-267-9095

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

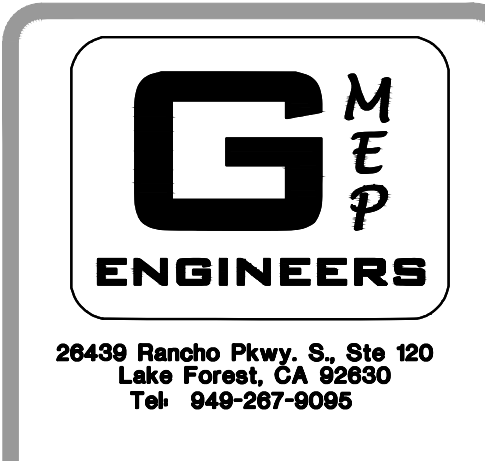
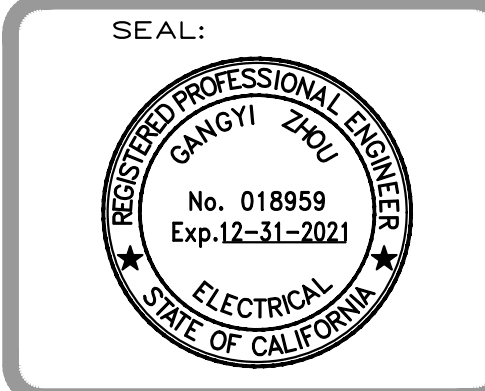
I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- 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)
- 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.
- 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.
- 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: GANGYI ZHOU  
Responsible Designer Signature:   
Company: GMFP ENGINEERS  
Date Signed: 11/05/2021  
Address: 26439 RANCHO PARKWAY S., STE 120  
City/State/Zip: LAKE FOREST/CA/92630  
Phone: 949-267-9095

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

REVISIONS		
NO.	DATE	DESCRIPTION



PROJECT NAME:  
**15190 RIVER ROAD**  
15190 RIVER ROAD  
GUERNEVILLE, CA 95446

SHEET TITLE  
**ELECTRICAL T24**

DRAWN  
GMFP  
CHECKED  
GMFP  
DATE  
11/05/2021  
SCALE  
AS NOTED  
JOB NO.  
21-A67  
SHEET  
**E-T24**