LUMINAIRE SCHEDULE

TYPE	SYMBOL	VOLTS	WATTAGE	LAMPS	FIXTURE DESCRIPTION	MANUFACTURER	CATALOG #
F1		208V	71	LED 3000K 70CRI	LED AREA WITH PHOTOCELL SLL TWIST LOCK POLE MOUNT MOUNTING HEIGHT 12'	LITHONIA LIGHTING	RSX2 LED P1 30K MVOLT-AASP
F2		208V	23	LED 3000K 80CRI	WALL SCONCE VISUAL COMFORT OPTIC	LITHONIA LIGHTING	WDGE2 LED P3 30K 80CRI VW

SHEET INDEX:

E-001 ELECTRICAL SYMBOLS, LEGEND AND NOTES
E-100 ELECTRICAL SITE PLAN
E-101 GENERAL LIGHTING PHOTOMETRIC PLAN

TABLE 150.0-A CLASSIFICATION OF HIGH EFFICACY LIGHT SOURCES

High Efficacy Light Sources

Luminaires installed with only the lighting technologies in this table shall be classified as high efficacy

Light sources in this column other than those installed in ceiling recessed downlight luminaires are classified as high efficacy and are not required to comply with Reference Joint Appendix JA8	Light sources in this column shall be certified to the Commission as High Efficacy Light Sources in accordance with Reference Joint Appendix JA8 and be marked as meeting JA8.
1. Pin-based linear or compact fluorescent light sources using electronic ballasts. 2. Pulse-start metal halide. 3. High pressure sodium. 4. GU-24 sockets containing light sources other than LEDs. a,b 5. Luminaires with hardwired high frequency generator and induction lamp. 6. Inseparable SSL luminaires that are installed outdoors. 7. Inseparable SSL luminaires containing colored light sources that are installed to provide decorative lighting.	8. All light sources in ceiling recessed downlight luminaires. Note that ceiling recessed downlight luminaires shall not have screw bases regardless of lamp type as described in Section 150.0(k)1C. 9. GU-24 sockets containing LED light sources. 10. Any light source not otherwise listed in this table and certified to the Commission as complying with Joint Appendix 8.

Notes:
a. GU-24 sockets containing light sources such as compact fluorescent lamps and induction lamps.
b. California Title 20 Section 1605(k)3 does not allow incandescent sources to have a GU-24 base.

GENERAL NOTES

1. SEE ARCHITECTURAL PLANS FOR MOUNTING LOCATIONS/ HEIGHTS AND MATERIAL FINISH REQUIREMENTS
2. CONCEAL ALL CONDUIT IN THE WALLS AND PLENUM AS MUCH AS REASONABLY POSSIBLE. EXPOSED CONDUIT SHALL BE FINISHED PER ARCHITECTURAL PLANS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR MOUNTING ALL CONDUIT AND EQUIPMENT, PROVIDING SUPPORTS AND GROUNDING PER CEC REQUIREMENTS.
4. ALL EXTERIOR EQUIPMENT SHALL BE IN NEMA 3R, WATER PROOF ENCLOSURES.
5 STEEL ELECTRICAL OUTLET BOXES AT FIRE BARRIER WALLS SHALL NOT EXCEED SIXTEEN SQUARE INCHES, SHALL NOT EXCEED 100 SQ IN PER 100 SQ FT OF WALL, AND SHALL BE SEPARATED Y A HORIZONTAL DISTANCE OF 24" WHEN ON OPPOSITE SIDES OF A WALL. SEC. 714.3.2.
6. ALL CURRENT CARRYING CONDUCTORS SHALL BE COPPER. INSULATION SHALL BE TYPE THHN/THWN FOR ALL BRANCH CIRCUITS UP TO AND INCLUDING SIZE #2AWG. INSULATION FOR CONDUCTORS OVER SIZE #2AWG SHALL BE XHHW.
7 ALL GROUND CONDUCTORS SHALL BE INSULATED COPPER.
8. ALL CONDUIT SHALL BE EMT (INSTALLED IN INTERIOR CONCEALED SPACES) OR SCHEDULE-40 PVC (INSTALLED UNDERGROUND) UNLESS OTHERWISE NOTED.
9. ALL AMPACITIES ARE BASED UPON TABLE 310.16 OF THE 2022 C.E.C.
10. FEEDER SCHEDULES INDICATE DATA FOR COPPER CONDUCTORS RATED UP TO 600V AT 75 DEGREES CELSIUS.

GENERAL LIGHTING NOTES

1. LIGHTING POLLUTION REDUCTION: ALL EXTERIOR LIGHT POLLUTION MUST COMPLY WITH CGC SECTION 5.106.8 AND SAN DIEGO MUNICIPAL CODE CHAPTER 14, ARTICLE 2, DIVISION 7.
2. OUTDOOR LIGHTING SHALL NOT EXCEED NOMINAL 4000 KELVIN COLOR CORRELATED TEMPERATURE (CCT). (SAN DIEGO MUNICIPAL CODE-CHAPTER 14, ART.2, DIVISION 7, PAGE 3)
3. ALL OUTDOOR LIGHTING SHALL BE TURNED OFF BETWEEN 11:00 PM AND 6:00 AM
4. LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS AND LUMINARIES SHALL COMPLY TO 2022 CENC, SECTION 110.9.
5. RESIDENCES MUST HAVE HIGH-EFFICACY OUTDOOR LIGHTING. LIGHTING PERMANENTLY MOUNTED TO A BUILDING MUST BE CONTROLLED WITH A MANUAL ON/OFF SWITCH PLUS ONE OF THE FOLLOWING:
   - PHOTOCELL AND MOTION SENSOR
   - PHOTOCELL AND TIME SWITCH
   - ASTRONOMICAL TIMECLOCK
   - ENERGY MANAGEMENT CONTROL SYSTEM WITH AN ASTRONOMICAL TIMECLOCK
6. BUILDERS ARE REQUIRED TO PROVIDE NEW HOMEOWNERS WITH A LIST OF INSTALLED LAMPS AND LUMINAIRES.
7. LIGHT SOURCES THAT ARE NOT MARKED "JA8-2022-E" SHALL NOT BE INSTALLED IN ENCLOSED LUMINAIRES. ES 150.0(K)
8. IN A LOW-RISE MULTIFAMILY RESIDENTIAL BUILDING WHERE THE TOTAL INTERIOR COMMON AREA IN A SINGLE BUILDING EQUALS MORE THAN 20 PERCENT OF THE FLOOR AREA, PERMANENTLY INSTALLED LIGHTING IN THAT BUILDING SHALL: COMPLY WITH THE APPLICABLE REQUIREMENTS IN SECTIONS 110.9, 130.0, 130.1, 140.6 AND 141.0; AND II.

ELECTRICAL SYMBOLS

S	LIGHT SWITCH, 120V/20A, MOUNT 48" A.F.F. (U.N.O.)
S3	3-WAY LIGHT SWITCH, 4-WAY LIGHT SWITCH
	DUPLEX RECEPTACLE, 120V/20A, MOUNT 15" A.F.F. (U.N.O.)
	SWITCHED DUPLEX RECEPTACLE
	250 VOLT, 50 AMP RECEPTACLE W/ 3#6 TO RESIDENTIAL PANEL. R-11,13
S_T S_T2	THERMAL DISCONNECT SWITCH
	GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE. MOUNTING HEIGHT AS NOTED.
	CEILING MOUNTED FIXTURE
	WALL MOUNTED FIXTURE
	RECESSED EXHAUST FAN, SEE MECHANICAL DRAWINGS FOR EXACT LOCATION.
$_{DB}$	DOOR BELL
J	JUNCTION BOX, MOUNT AS SHOWN
C	CARBON MONOXIDE DETECTOR W/ BATTERY BACKUP PER CA SB183
S	SINGLE. STA. SMOKE DETECTOR, UBC APPR'D, BATT. BACKUP, 120V
	TELEVISION/CABLE OUTLET, MOUNT @ 15" A.F.F. (U.N.O.)
	TELEPHONE JACK, MOUNT 15" A.F.F. PROVIDE 3/4" C W/PULLSTRING TO ACCESSIBLE LOCATION. MOUNT @ +6" ABOVE COUNTERS IN KITCHEN LOCATIONS.
	CHIMES, PROVIDE 120V XFMR AS REQUIRED.
	ELECTRICAL PANEL (SEE PANEL SCHEDULE)
$D	DIMMER SWITCH COMPATIBLE WITH FIXTURE(S) CONTROLLED.
	FUSED SAFETY SWITCH, SIZED AS SHOWN
	FLUSH FLOOR MOUNTED CONVENIENCE OUTLET.
$	WALL SWITCH BOX MTD OCCUPANCY SENSOR. MANUAL-ON, AUTO-OFF.
WP	WEATHERPROOF
UNO	UNLESS NOTED OTHERWISE
	FIRE ALARM MANUAL PULLSTATION
SP	CEILING MOUNTED SPEAKER/TONE GENERATOR WITH FLASHING STROBE FOR PUBLIC ADDRESS OR ALARM
SD	CEILING MOUNTED ADDRESSABLE SMOKE DETECTOR - SEE FIRE ALARM REQUIREMENTS AS PART OF THE DEFERRED PERMIT
M	MULTI LEVEL OCCUPANCY/VACANCY SENSOR PER TITLE 24 REQUIREMENTS
HD	ADDRESSABLE HEAT DETECTOR, CEILING MOUNTED
	ADDRESSABLE FIRE ALARM MAGNETIC DOOR HOLD-OPEN
TS	ADDRESSABLE TAMPER SWITCH
FS	ADDRESSABLE FLOW SWITCH
F	ADDRESSABLE STROBE DEVICE
S	ADDRESSABLE SPEAKER DEVICE
M	MAGNETIC DOOR LOCK CONTROLS PER FA PLAN
J	JUNCTION BOX, WALL MOUNTED
M	WALL MOUNTED MULTI LEVEL OCCUPANCY SENSOR PER TITLE 24 REQUIREMENTS
EF	CEILING MOUNTED, CONTROL AND UNIT PER MECHANICAL ENGINEER

FIRE ALARM NOTES

1. THE FIRE ALARM RISER DIAGRAM AND ALL OTHER DETAILS, NOTES AND EQUIPMENT SHOWING ANY FIRE PROTECTION EQUIPMENT SHOWN FOR REFERENCE ONLY AND IS PART OF A DEFERRED SUBMITTAL REQUIREMENT.

2. PER SECTION 907.5.2.3.1 AND 11B-702.1 WHEN EMERGENCY WARNING SYSTEMS OR FIRE ALARMS ARE PROVIDED, THERE SHALL BE APPROVED NOTIFICATION APPLIANCES FOR THE HEARING IMPAIRED, INSTALLED IN ACCORDANCE WITH NATIONAL STANDARDS IN THE FOLLOWING AREAS:
   A) RESTROOMS
   B) CORRIDORS
   C) MULTIPURPOSE ROOMS
   D) LOBBIES

3. AUDIBLE AND VISUAL ALARMS WILL COMPLY WITH THE PROVISIONS OF TITLE 24 SECTION 907

GREEN BUILDING DEPARTMENT NOTES

FOR COMMENTS RELATED TO TESTING AND ADJUSTING:

1. EXTERIOR LED LIGHTING SHALL BE CONTROLLED WITH PHOTOCELLS AND MOTION DETECTORS FOR 50% DIMMING WHEN NOT OCCUPIED, AND TIME CLOCK OVER-RIDE.
2. PRIOR TO FINAL INSPECTION THE LICENSED CONTRACTOR OR ARCHITECT IN RESPONSIBLE CHARGE OF THE OVERALL CONSTRUCTION MUST PROVIDE TO THE BUILDING DEPARTMENT OFFICIAL WRITTEN VERIFICATION THAT ALL APPLICABLE PROVISIONS FROM GREEN BUILDING STANDARDS CODE HAVE BEEN IMPLEMENTED AS PART OF THE CONSTRUCTION. CGC 102.3.

GENERAL NOTES

1. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL) AND BEAR THEIR LABEL, OR LISTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING AUTHORITY WHERE UL DOES NOT HAVE A LISTING. CUSTOM MADE EQUIPMENT SHALL HAVE COMPLETE TEST DATA SUBMITTED BY THE MANUFACTURER ATTESTING TO ITS SAFETY. IN ADDITION, THE MATERIALS, EQUIPMENT, AND INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING:

AMERICAN SOCIETY OF TESTING MATERIALS (ASTM)
INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA)
NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
AMERICAN STANDARD ASSOCIATION (ASSA)
NATIONAL FIRE PROTECTION AGENCY (NFPA)
AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)
CALIFORNIA ELECTRICAL CODE (CEC) – 2022
CALIFORNIA CODE OF REGULATIONS TITLE 24 (CCR)
INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
ALL LOCAL CODES HAVING JURISDICTION WHERE THE CODES HAVE DIFFERENT LEVELS OF REQUIREMENTS, THE MOST STRINGENT RULE SHALL APPLY.

2. THE CONTRACTOR SHALL VISIT THE SITE INCLUDING ALL AREAS INDICATED ON THE DRAWINGS. HE SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND BY SUBMITTING A BID, ACCEPTS THE CONDITIONS UNDER WHICH HE SHALL BE REQUIRED TO PERFORM HIS WORK.

3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COMPLETE SET OF CONSTRUCTION DOCUMENTS. HE/SHE SHALL CHECK THE DRAWINGS OF THE OTHER TRADES AND SHALL CAREFULLY READ THE ENTIRE SPECIFICATIONS AND DETERMINE HIS/HER RESPONSIBILITIES. FAILURE TO DO SO SHALL NOT RELEASE THE CONTRACTOR FROM DOING THE WORK IN COMPLETE ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.

4. ALL UTILITY WORK (POWER&TELEPHONE) SHALL BE IN COMPLIANCE WITH THESE DRAWINGS AND THE REQUIREMENTS OF THE SERVING UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE SERVING UTILITY TO RECEIVE COMPLETE INFORMATION ON THEIR REQUIREMENTS PRIOR TO THE SUBMISSION OF THE BID. THE ACT OF SUBMITTING THE BID SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO INSTALL SERVICE IN COMPLIANCE WITH THE SERVING UTILITY AND THE CONTRACT DOCUMENTS. CONTRACTOR SHALL PAY TO THE UTILITY FOR ALL COSTS ASSOCIATED WITH THE ESTABLISHMENT OF SERVICE FOR THIS PROJECT.

5. ALL ITEMS SUCH AS SERVICE CONDUIT, CONDUCTORS, DUCTS, CONCRETE PADS, TRANSFORMERS, RISERS, PULL BOXES, AND PROTECTIVE COVERING FROM SERVICE LOCATION SHALL BE PROVIDED AND INSTALLED, AND SHALL BE VERIFIED WITH THE SERVING UTILITY COMPANY, AND SHALL PAY ALL CHARGES LEVIED BY THE SERVING UTILITY COMPANY FOR HIS SERVICE EXCEPT THE FIRST BILLING DEPOSIT. WHERE THE CONTRACT DOCUMENTS ARE MORE RESTRICTIVE, THE DOCUMENTS SHALL GOVERN.

6. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES CHARGES, AND INCIDENTAL COSTS NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK, INCLUDING ALL CHARGES BY THE LOCAL GOVERNMENT AGENCIES.

7. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AT THE SITE. ANY COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE DRAWINGS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

8. THE CONTRACTOR SHALL PROVIDE AND KEEP UP-TO-DATE A COMPLETE RECORD SET OF DRAWINGS. THESE PRINTS SHALL BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS. THIS SET OF DRAWINGS SHALL BE KEPT ON THE JOB SITE AND SHALL BE USED ONLY AS A RECORD SET. THIS SHALL NOT BE CONSTRUED AS AUTHORIZATION FOR THE CONTRACTOR TO MAKE CHANGES IN THE LAYOUT WITHOUT DEFINITE INSTRUCTIONS IN EACH CASE. UPON COMPLETION OF THE WORK, A SET OF REPRODUCIBLE CONTRACT DRAWINGS SHALL BE OBTAINED FROM THE ARCHITECT, AND ALL CHANGES AS NOTED ON THE RECORD SET OF DRAWINGS SHALL BE INCORPORATED THEREON WITH BLACK INK IN A NEAT, LEGIBLE, UNDERSTANDABLE AND PROFESSIONAL MANNER. FAILURE TO KEEP RECORD DRAWINGS UP-TO-DATE SHALL CONSTITUTE CAUSE FOR WITHHOLDING OF PROGRESS PAYMENTS.

9. IN SOME INSTANCES, IT MAY BE NECESSARY TO DEFER WORK IN CERTAIN AREAS AND LOCATIONS UNTIL SUCH TIME AS EXISTING FACILITIES CAN BE TEMPORARILY OR PERMANENTLY REARRANGED BY THE OWNER. THEREFORE, WHENEVER IT BECOMES NECESSARY FOR THE CONTRACTOR TO PERFORM WORK UNDER THIS CONTRACT IN EXISTING AREAS IN WHICH THE OWNER'S WORK IS BEING PERFORMED, THE CONTRACTOR SHALL ADVISE THE ARCHITECT AND THE OWNER RELATIVE TO THIS REQUIREMENT AND SHALL FOLLOW CLOSELY THE DIRECTIVE ISSUED BY THE ARCHITECT INSOFAR AS TIME AND PROCEDURE ARE CONCERNED. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL PREMIUM TIME TO WHICH HE MAY BE SUBJECTED FOR PERFORMING WORK IN SUCH PROCEDURE AND AT SUCH TIMES AS MAY BE NECESSARY TO CAUSE THE LEAST INTERFERENCE WITH THE OPERATIONS OF THE OWNER.

10. SHOP DRAWINGS SHALL BE SUBMITTED WITHIN THIRTY DAYS AFTER AWARD OF THE CONTRACT. THE CONTRACTOR SHALL SUBMIT EIGHT COPIES OF A COMPLETE LIST OF MATERIALS AND EQUIPMENT INCLUDING MANUFACTURER AND MODEL NUMBER PROPOSED FOR THE JOB. SHOP DRAWINGS SHALL INCLUDE JOB DESCRIPTION, ARCHITECT AND ENGINEER IDENTIFICATION, AND ALL DATA WITH CAPACITIES, SIZES, DIMENSIONS, CATALOG NUMBERS, AND MANUFACTURER'S BROCHURES. SHOP DRAWINGS SHALL BE SUBMITTED FOR ITEMS LISTED IN SPECIFICATIONS. PARTIAL, INCOMPLETE OR UNBOUND SUBMITTALS WILL BE RETURNED WITHOUT REVIEW. CONTRACTOR SHALL SUBMIT A SCHEDULE OF ALL SHOP DRAWINGS AND SUBMITTALS WHICH ARE TO BE REVIEWED WITHIN FIFTEEN DAYS OF CONTRACT AWARD.

11. THE CONTRACTOR SHALL FURNISH A ONE YEAR WRITTEN GUARANTEE OF MATERIALS AND WORKMANSHIP FROM THE DATE OF SUBSTANTIAL COMPLETION.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAWCUTTING, TRENCHING, BACKFILLING, COMPACTION AND PATCHING OF CONCRETE AND ASPHALT AS REQUIRED TO PERFORM HIS WORK. ATTENTION IS CALLED TO THE FACT THAT THERE ARE EXISTING UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN TRENCHING FOR HIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER AND APPROVED REPAIR OF ANY AND ALL DAMAGES CAUSED BY HIM OR HIS WORK.

13. WHENEVER A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT DEVICES, CIRCUIT BREAKERS, GROUND FAULT PROTECTION SYSTEMS, ETC. (ALL MATERIALS), ARISES ON THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS TO ENSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER AND ARCHITECT/ENGINEER.

14. DRAWINGS ARE DIAGRAMMATIC ONLY. ROUTING OF RACEWAYS SHALL BE AT THE OPTION OF THE CONTRACTOR UNLESS OTHERWISE NOTED AND SHALL BE COORDINATED WITH OTHER SECTIONS. DO NOT SCALE THE ELECTRICAL DRAWINGS FOR LOCATIONS OF ANY ELECTRICAL, ARCHITECTURAL, STRUCTURAL, CIVIL, OR MECHANICAL ITEMS OR FEATURES.

15. THE EQUIPMENT GROUNDING CONDUCTOR SHOWN ON CONDUIT RUNS SHALL RUN CONTINUOUS FROM PANEL TO LAST OUTLET. THIS WIRE SHALL BE PIGTAILED IN EACH OUTLET FOR CONNECTION TO BOX AND DEVICE SO THAT IF DEVICE IS REMOVED, GROUND WILL NOT BE INTERRUPTED. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSULATED GREEN CONDUCTORS – ALTERNATE METHODS OF IDENTIFICATION SHALL NOT BE USED. CONTRACTOR SHALL NOTIFY ELECTRICAL ENGINEER TO EXAMINE CONDUCTOR INSTALLATION PRIOR TO INSTALLATION OF DEVICES.

16. MINIMUM SIZE FOR CONDUCTORS SHALL BE #12 AWG, COPPER, TYPE THHN/THWN THERMOPLASTIC, 600 VOLT, 75 DEGREES CELSIUS WET OR 90 DEGREES CELSIUS DRY, AND UL LISTED UNLESS NOTED OTHERWISE. ALL CONDUCTORS SPLICES BELOW GRADE SHALL BE MADE WITH SUBMERSIBLE CONNECTIONS. ALL CONDUCTORS USED FOR SITE AND BUILDING MOUNTED LIGHTING FIXTURES SHALL BE INSTALLED IN 3/4" MINIMUM WITH #10 CONDUCTORS.

17. ALL EXPOSED CONDUIT IN FIRE RISER ROOMS SHALL BE WP SEALTITE TYPE.

18. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A FULL FUNCTIONING ELECTRICAL AND COMMUNICATION SYSTEM, INCLUDING FIRE ALARM SYSTEM, CATV, TELEPHONE, DATA, AND ANY OTHER REQUIRED LOW VOLTAGE SYSTEMS.

19. COORDINATE WITH THE ARCHITECTURE/CLIENT FOR FIXTURE AND OUTLET MOUNTING HEIGHT PRIOR TO INSTALLATION.

20. ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND CHARACTERISTICS OF ALL EQUIPMENT LISTED IN SCHEDULE. ANY MODIFICATIONS AND/OR ADDITIONAL WORK NECESSARY SHALL BE INCLUDED IN THE BASE BID.

21. ALL TEMPERATURE CONTROL AND INTERLOCK CONDUIT AND WIRING SHALL BE BY ELECTRICAL CONTRACTOR U.N.O. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

22. ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL CONNECTION POINTS WITH THE EQUIPMENT MANUFACTURER AND OR INSTALLER PRIOR TO ROUGH-IN.

23. ALL FUSES FOR FUSIBLE DISCONNECTS TO BE SIZED PER EQUIPMENT NAMEPLATES..

24. ELECTRICAL CONTRACTOR TO PROVIDE MINIMUM 1" EMT CONDUIT, FOR ALL MECHANICAL LOW VOLTAGE WIRING, COORDINATE WITH MECHANICAL DRAWINGS FOR MORE INFORMATION.

25. PROVIDE FIRESTOP CAULKING FOR ANY PIPES, CONDUITS, AND DUCTS PENETRATING EXTERIOR OR INTERIOR FIRE RATED WALLS.

26. USE RIGID GALVANIZED CONDUIT IN ALL EXTERIOR EXPOSED AREAS.

27. ELECTRICAL CONTRACTOR SHALL INCLUDE COST FOR ALL HVAC CONTROL COMPONENTS, CONDUITS, DEVICES, ETC. AS NECESSARY FOR A COMPLETE AND OPERATING HVAC SYSTEM. REFER TO MECHANICAL DRAWINGS.

28. ALL OUTLET AND SWITCH PLATES SHALL BE PROVIDED WITH A LABEL NOTING PANEL AND CIRCUIT. LABEL SHALL BE CLEAR TAPE WITH BLACK LETTERS.

29. ALL ELECTRICAL CONDUITS ARE TO BE CONCEALED WITH IN WALLS AND/OR ABOVE CEILING.

30. DATA JACKS AND CABLE SHALL BE PER LOW VOLTAGE CONTRACTOR. CONTRACTOR SHALL PROVIDE 1/2" CONDUIT FROM EACH DATA JACK BACK TO TELECOMMUNICATIONS BACK BOARD. SPECIFIC LOCATION AND TERMINATIONS ARE TO BE PER LOW VOLTAGE CONTRACTOR.

31. APPLIANCES PROVIDED AND INSTALLED SHALL HAVE AN ENERGY STAR DESIGNATION. ANY DIFFERENCES BETWEEN THE CALCULATED LOADS SHOWN ON THE PLANS, AND THE FINAL MANUFACTURER LOADS AS PROVIDED BY THE CONTRACTOR SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ELECTRICAL ENGINEER PRIOR TO PROCUREMENT AND INSTALLATION.

32. BATHROOM EXHAUST FANS NOT FUNCTIONING AS A COMPONENT OF THE WHOLE BUILDING SHALL BE CONTROLLED BY A READILY ACCESSIBLE HUMIDISTAT.

33. CONCEAL ALL CONDUIT IN THE WALLS AND PLENUM AS MUCH AS REASONABLY POSSIBLE. EXPOSED CONDUIT SHALL BE COORDINATED WITH THE ARCHITECT AND FINISHED PER ARCHITECTURAL PLANS.

34. RECEPTACLE HEIGHTS ARE SHOWN FOR REFERENCE ONLY, REFERENCE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION

35. SMOKE DETECTORS SHALL BE PROVIDED IN EACH SEPARATE SLEEPING AREA AND OUTSIDE EACH SEPARATE SLEEPING AREA. INSTALL A MINIMUM OF 3' FROM FROM DUCT OPENINGS.

36. SMOKE DETECTORS SHALL BE PERMANENTLY WIRED AND INTERCONNECTED. PROVIDE BATTERY BACK-UP, PER NFPA 72.

37. WHERE THE HIGHEST POINT OF A CEILING IN A ROOM THAT OPENS TO THE HALLWAY SERVING THE BEDROOMS EXCEEDS THAT OF THE OPENING INTO THE HALLWAY BY MORE THAN 24" A SMOKE DETECTOR SHALL BE INSTALLED IN THE HALLWAY AND IN ADJACENT ROOM WITHIN 12" OF THE HIGHEST POINT OF THE CEILING.

38. INTERCONNECTED SMOKE DETECTORS SHALL BE INSTALLED AND APPROVED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY.

39. ALL WORK SHALL COMPLY WITH NFPA 72, NATIONAL FIRE ALARM CODE.

40. SINGLE AND MULTIPLE STATION CARBON MONOXIDE ALARMS SHALL BE LISTED AS COMPLYING WITH THE REQUIREMENTS OF UL 2034. CARBON MONOXIDE DETECTORS SHALL BE LISTED AS COMPLYING WITH THE REQUIREMENTS OF UL2075, SEC. R315.3.

41. ALL SMOKE ALARMS SHALL BE LISTED IN ACCORDANCE WITH UL 217 AND INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THE GOVERNING CRC & THE FIRE WARNING EQUIPMENT PROVISIONS OF NFPA 72. SYSTEMS AND COMPONENTS SHALL BE CALIFORNIA STATE MARSHAL LISTED & APPROVED IN ACCORDANCE WITH CCR, TITLE 19, DIVISION 1, FOR THE PURPOSE FOR WHICH THEY ARE INSTALLED, SEC. R314.1.

42. WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED WITHIN AN INDIVIDUAL SUITE THE ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT, SEC. R314.3

43. ALL 120V. SINGLE PHASE, 15 AND 20 AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN SUITE FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, KITCHEN, LAUNDRY OR SIMILAR ROOMS OR AREAS SHALL BE PROVIDED WITH A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.

44. 125-VOLT, 15 AND 20 AMPERE RECEPTACLES INSTALLED IN EVERY KITCHEN, FAMILY ROOM, LIVING ROOM, DINING ROOM, BATHROOM, GARAGE, BASEMENT, BEDROOM, LAUNDRY OR OTHER SIMILAR ROOMS AND OUTDOOR PATIO AREA SHALL BE UL LISTED TAMPER RESISTANT RECEPTACLES, PER CEC 406.11.

45. GROUND FAULT CONVENIENCE OUTLETS SHALL BE INSTALLED IN ALL LOCATIONS INDICATED ON RELATED INDIVIDUAL UNIT AND BUILDING FLOOR PLANS AS INDICATED. REFERENCE ELECTRICAL SYMBOLS LIST, SHEET E001.

46. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ARCHITECTURAL PLANS FOR LOCATION OF RECEPTACLES, AND INSTALLING RECEPTACLES IN THE FLOOR WHERE NECESSARY IN ORDER TO CONFORM WITH THE RESIDENTIAL SPACING REQUIREMENTS FOR RECEPTACLES AS OUTLINED IN THE 2022 CEC.

47. ALL CURRENT CARRYING CONDUCTORS SHALL BE COPPER. INSULATION SHALL BE TYPE THHN/THWN FOR ALL BRANCH CIRCUITS UP TO AND INCLUDING SIZE #2AWG. INSULATION FOR CONDUCTORS OVER SIZE #2AWG SHALL BE XHHW.

48. ALL GROUND CONDUCTORS SHALL BE INSULATED COPPER.

49. ALL CONDUIT SHALL BE EMT (INSTALLED IN INTERIOR CONCEALED SPACES) OR SCHEDULE-40 PVC (INSTALLED UNDERGROUND) UNLESS OTHERWISE NOTED.

50. ALL AMPACITIES ARE BASED UPON TABLE 310.16 OF THE 2022 C.E.C.

51. FEEDER SCHEDULES INDICATE DATA FOR COPPER CONDUCTORS RATED UP TO 600V AT 75 DEGREES CELSIUS.

52. ALL OUTLET AND SWITCH PLATES SHALL BE PROVIDED WITH A LABEL NOTING PANEL AND CIRCUIT. LABEL SHALL BE CLEAR TAPE WITH BLACK LETTERS.

DEVELOPERS
DESIGNERS
ARCHITECTS
BUILDERS
INVESTORS
LOCAL
2715 K STREET, SUITE 250
SACRAMENTO, CA 95816
P: (916) 545-2514
WWW.ARCHITECTSLOCAL.COM

A R B
ENGINEERING
1401 N. EL CAMINO REAL
SUITE 201
SAN CLEMENTE, CA
949-280-9743
ARBELECTRIC.COM

D&S DEVELOPMENT

1995 ROCKY RIDGE DRIVE, ROSEVILLE

1995 ROCKY RIDGE DRIVE
ROSEVILLE, CA 95661

REGISTERED PROFESSIONAL ENGINEER
ANDREW R. BALKWELL
No. E18563
Exp. 12/31/24
ELECTRICAL
STATE OF CALIFORNIA

NO.:	ISSUANCE/REVISION:	DATE:

DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. © ARCHITECTS LOCAL 2023.

DATE: Nov. 08, 2023
A\ PROJECT NUMBER: 2-232203
A\D PROJECT NUMBER:

ELECTRICAL SYMBOLS, LEGENDS AND NOTES

E001

01 LIGHTING PLAN - SITE PLAN
1/16" = 1'-0"

DEVELOPERS
DESIGNERS
ARCHITECTS
BUILDERS
INVESTORS
LOCAL
2715 K STREET, SUITE 250
SACRAMENTO, CA 95816
P: (816) 545-2514
WWW.ARCHITECTSLOCAL.COM

A R B
ENGINEERING
1401 N. EL CAMINO REAL
SUITE 201
SAN CLEMENTE, CA
949-280-9743
ARBELECTRIC.COM

D&S DEVELOPMENT

1995 ROCKY RIDGE DRIVE, ROSEVILLE

1995 ROCKY RIDGE DRIVE
ROSEVILLE, CA 95661

REGISTERED PROFESSIONAL ENGINEER
ANDREW R. BALKWELL
No. E18563
EXP. 12/31/24
ELECTRICAL
STATE OF CALIFORNIA

NO.:	ISSUANCE/REVISION:	DATE:

DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. © ARCHITECTS LOCAL 2023.

DATE: Nov. 08, 2023
AL PROJECT NUMBER: 2-232203
ARU PROJECT NUMBER:

LIGHTING PLAN - SITE PLAN

E100