

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 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.
13. COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS.
14. CONTRACTOR SHALL, PRIOR TO BID, FIELD VERIFY ALL REQUIREMENTS FOR MODIFYING THE EXISTING CLOCK, DATA, AND INTERCOM SYSTEMS TO ACCOMMODATE ADDITIONS NOTED. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS NEEDED TO MAKE A FULLY OPERATIONAL SYSTEM AT THE CONCLUSION OF PROJECT WORK.
15. CONTRACTOR SHALL PROVIDE IN EVERY NEW EMPTY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION.
16. 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.
17. 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.
18. EXTENSION RINGS OR RESET BOXES TO BE FLUSH WITH NEW WALL THICKNESS.
19. 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.
20. 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.

ELECTRICAL SYMBOLS & ABBREVIATIONS

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

| | |
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| | 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 |
| | DIMMER ROOM CONTROLLER |
| | PLUG LOAD CONTROLLER |
| | ROOM LIGHTING CONTROLLER |
| | LIGHTING CONTROL PANEL |
| | DIGITAL DAYLIGHT SENSOR |
| | SINGLE POLE SWITCH ** |
| | SINGLE POLE SWITCH, ** a = CIRCUIT CONTROLLED |
| | THREE WAY SWITCH** |
| | FOUR WAY SWITCH** |
| | MANUAL MOTOR STARTER |
| | KEY OPERATED SWITCH ** |
| | DIGITAL MULTI SCENE LIGHTING SWITCH ** |
| | DIGITAL DUAL TECHNOLOGY WALL OCC. SENSOR ** |
| | WALL OCCUPANCY SENSOR ** |
| | DOUBLE SWITCHED WALL OCCUPANCY SENSOR ** |
| | DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR ** |
| | 2-BUTTON DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR ** |

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| | SECURITY DOOR CONTACTS |
| | SECURITY MOTION DETECTOR |
| | CCTV CAMERA |
| | 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 |
| | LETTER INDICATES DUPLEX HALF CONTROLLED RECEPTACLE * |
| | 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 |
| | INTERIOR SPEAKERS CEILING MOUNTED |
| | INTERIOR SPEAKERS WALL MOUNTED |
| | CLOCK +8-0° AFF U.O.N. VERIFY BEFORE INSTALLATION |

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| | PANELBOARD - FLUSH MOUNTED |
| | EQUIPMENT PANEL - FLUSH MOUNTED |
| | PANELBOARD - SURFACE MOUNTED |
| | EQUIPMENT PANEL - SURFACE MOUNTED |
| | METER W/ CURRENT TRANSFORMER |
| | 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 MFG'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 |
| | FLEX CONDUIT WITH CONNECTION |
| | CONDUIT - UP |
| | CONDUIT - DOWN |
| | CONDUIT EMERGENCY SYSTEM |
| | 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 |
| | CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC. LINES 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. |
| | SHEET NOTE REFERENCE SYMBOL; SEE ASSOCIATED NOTE ON SAME SHEET |
| | SCHEDULE SYMBOL; SEE ASSOCIATED NOTE ON SAME SHEET |

| | |
|--|--------------------------------------------------------------------|
| | DETAIL NOTE REFERENCE SYMBOL SEE ASSOCIATED NOTE ON SAME DETAIL |
| | FEEDER DESIGNATION; SEE ASSOCIATED NOTE ON SAME DETAIL |

ABBREVIATIONS

| | | | | | |
|---------|----------------------------|--------|---------------------------------|------|------------------------|
| A | AMPERE | GFCI | GROUND FAULT INTERRUPTING | NTS | NOT TO SCALE |
| AFF | ABOVE FINISHED FLOOR | GFI | GROUND | OAH | OVERALL HEIGHT |
| ALUM/AL | ALUMINUM | GND, G | GALVANIZED RIGID STEEL | OC | ON CENTER |
| ARCH | ARCHITECT | GRS | HEIGHT | OH | OVERHEAD |
| AWG | AMERICAN WIRE GAUGE | HT | INTERCOM | PA | PUBLIC ADDRESS |
| BKR | BREAKER | IC | INTERMEDIATE DISTRIBUTION FRAME | PB | PULL BOX |
| C | CONDUIT | IDF | INCAND | PF | POWER FACTOR |
| CATV | CABLE TV | INCAND | INCANDESCENT JUNCTION BOX | PH | PHASE |
| CB | CIRCUIT BREAKER | JB | KILOVOLT AMPERES | PIR | PASSIVE INFRARED |
| CCTV | CLOSED CIRCUIT TV | KV | KILOVOLT | PNL | PANEL |
| CKT | CIRCUIT | KVA | KILOVATT | PV | PHOTOVOLTAIC |
| CL | CENTER LINE | LCP | LIGHTING CONTROL PANEL | PVC | POLYVINYL CHLORIDE |
| CLG | CEILING | LTG | LIGHTING | PWR | POWER |
| C.O. | CONDUIT ONLY | LV | LOW VOLTAGE | (R) | EXISTING TO BE REMOVED |
| CTR | CENTER | KCM | THOUSAND CIRCULAR MILS | (RP) | REMOVABLE POLE |
| D | DIMMER | RECD | RECEIPTED | RECD | RECEIPTED |
| DIM | DIMENSION | RECD | RECEIPTED | RECD | RECEIPTED |
| DIST | DISTRIBUTION | RECD | RECEIPTED | RECD | RECEIPTED |
| EXIST | EXISTING | RECD | RECEIPTED | RECD | RECEIPTED |
| EC | ELECTRICAL CONTRACTOR | RECD | RECEIPTED | RECD | RECEIPTED |
| (EL) | EVENING LIGHT | RECD | RECEIPTED | RECD | RECEIPTED |
| EM | EMERGENCY | RECD | RECEIPTED | RECD | RECEIPTED |
| EMT | ELECTRICAL METALLIC TUBING | RECD | RECEIPTED | RECD | RECEIPTED |
| EQUIP | EQUIPMENT | RECD | RECEIPTED | RECD | RECEIPTED |
| EV | ELECTRICAL VEHICLE | RECD | RECEIPTED | RECD | RECEIPTED |
| FA | FIRE ALARM | RECD | RECEIPTED | RECD | RECEIPTED |
| FACP | FIRE ALARM CONTROL PANEL | RECD | RECEIPTED | RECD | RECEIPTED |
| FC | FOOT CANDLE | RECD | RECEIPTED | RECD | RECEIPTED |
| FIN | FINISH | RECD | RECEIPTED | RECD | RECEIPTED |
| FL | FLOOR | RECD | RECEIPTED | RECD | RECEIPTED |
| FLA | FULL LOAD AMPS | RECD | RECEIPTED | RECD | RECEIPTED |
| FLUOR | FLUORESCENT | RECD | RECEIPTED | RECD | RECEIPTED |
| (F) | FUTURE | RECD | RECEIPTED | RECD | RECEIPTED |
| GC | GENERAL CONTRACTOR | RECD | RECEIPTED | RECD | RECEIPTED |

FIRE ALARM

NOTE: SEE FIRE ALARM DRAWINGS FOR QUANTITIES AND MOUNTING HEIGHTS.

| | | | | | |
|--|-----------------------|--|--------------------------|--|---------------------------------------|
| | MANUAL PULL STATION | | DUCT SMOKE DETECTOR | | AUXILIARY POWER SUPPLY |
| | STROBE ONLY | | TAMPER SWITCH | | FIRE SYSTEM ANNUNCIATOR |
| | HORN ONLY | | FLOW SWITCH | | FIRE ALARM TRANSPONDER OR TRANSMITTER |
| | MINI HORN | | POST INDICATING VALVE | | ELEVATOR STATUS/RECALL |
| | HORN/STROBE | | FIRE SMOKE DAMPER | | FIRE ALARM COMMUNICATOR |
| | CHIME/STROBE | | BELL (GONG) | | REMOTE ANNUNCIATORS |
| | HEAT DETECTOR | | FIRE ALARM CONTROL PANEL | | END OF LINE |
| | SMOKE DETECTOR | | | | |
| | CARBON MONOXIDE ALARM | | | | |

** +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

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 CALIFORNIA ENERGY COMMISSION STANDARDS AND REQUIREMENTS, WHERE SUCH ARE USED IN CONDITIONED SPACES.

| TYPE | DESCRIPTION | LAMPS | MANUFACTURER |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------|
| X1 | 27LW X 14"W POST TOP DUAL HEAD LED FIXTURE, DIE CAST AL HOUSING, WITH MOTION RESPONSE TO 50%, VERIFY FIXTURE AND POLE FINISH WITH OWNER, TYPE IV DISTRIBUTION, NEUTRAL WHITE, 12,000 LUMENS, UNIVERSAL VOLTAGE. MOUNT ON 20" SQUARE STEEL POLE VIA E-EPT SERIES BULLHORN. FIXTURE WEIGHT = 19 lbs. | 200W LED | C-LITE C-AR-A-AL 29L SERIES POLE: 20" SERIES |
| | | | |

APPLICABLE CODES & STANDARDS

CODES:

1. 2019 CALIFORNIA ADMINISTRATIVE CODE C.C.R., TITLE 24, PART 1.
2. 2019 CALIFORNIA BUILDING CODE (CBC) C.C.R., TITLE 24, VOL. 1 & 2 BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC) WITH CALIFORNIA AMENDMENTS.
3. 2019 CALIFORNIA ELECTRICAL CODE (CEC) C.C.R., TITLE 24, PART 3 BASED ON THE 2017 NATIONAL ELECTRICAL CODE (NEC) WITH CALIFORNIA AMENDMENTS.
4. 2019 CALIFORNIA MECHANICAL CODE (CMC) C.C.R., TITLE 24, PART 4 BASED ON THE 2018 UNIFORM MECHANICAL CODE (UMC) WITH CALIFORNIA AMENDMENTS.
5. 2019 CALIFORNIA PLUMBING CODE (CPC) C.C.R., TITLE 24, PART 5 BASED ON THE 2018 UNIFORM PLUMBING CODE (UPC) WITH CALIFORNIA AMENDMENTS.
6. 2019 CALIFORNIA ENERGY CODE C.C.R., TITLE 24, PART 6.
7. 2019 CALIFORNIA FIRE CODE (CFC) C.C.R., TITLE 24, PART 9 BASED ON THE 2018 INTERNATIONAL FIRE CODE (IFC) WITH CALIFORNIA AMENDMENTS.
8. 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE C.C.R., TITLE 24, PART 11.
9. 2019 CALIFORNIA REFERENCED STANDARDS CODE C.C.R., TITLE 24, PART 12.
10. TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
11. NATIONAL FIRE ALARM CODE (NFPA 72) 2016.
12. CITY OF SAN MARTIN ORDINANCES, CODES, AND REGULATIONS.

STANDARDS:

1. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
2. ELECTRONICS INDUSTRIES ASSOCIATION (EIA)
3. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
4. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
5. NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)
6. UNDERWRITER LABORATORIES (UL)
7. CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT STANDARDS (CAL/OSHA)

SHEET INDEX

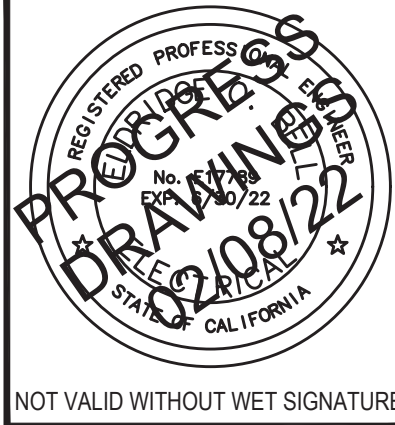
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|------|----------------------------------------------------------------|
| E0.1 | SYMBOLS, ABBREVIATIONS, CODES, STANDARDS, NOTES & SHEET INDEX. |
| E1.1 | ELECTRICAL SINGLE LINE DIAGRAM & PANELBOARD SCHEDULES. |
| E2.1 | ELECTRICAL SITE PLAN. |
| E2.2 | PARTIAL ELECTRICAL SITE PLAN. |
| E6.1 | ELECTRICAL DETAILS. |
| E7.1 | ELECTRICAL SPECIFICATIONS. |

SCOPE

PROVIDE ELECTRICAL POLE MOUNTED LIGHTING.

SAN MARTIN RV LIGHTING

SYMBOLS, ABBREVIATIONS, CODES, STANDARDS, NOTES & SHEET INDEX



NOT VALID WITHOUT WET SIGNATURE

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Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job and this office shall be notified of any variations from the dimensions and conditions shown by these drawings. Shop details shall be submitted to this office for approval before proceeding with fabrication.

| | |
|-----------|-----------|
| Drawn by: | CADD |
| Date: | 02.08.22 |
| Scale: | AS NOTED |
| Job No.: | 22-034.00 |

E0.1

OF SHEETS

NOTE: THIS SHEET IS 24" x 36" TO THE EDGES. IF THESE DIMENSIONS ARE INCORRECT, IT IS A REDUCED COPY.

PANELBOARD SCHEDULES

| | | | | | | | | | | | | | | | |
|----------|--------------|--------------------|--|--|--|--|--|--|--|--|--|--|--|-----------|---------|
| Voltage: | 120/208V, 3ø | (E) PANEL B | | | | | | | | | | | | Bussing: | 100A |
| Wire: | 4W | | | | | | | | | | | | | Feed: | BOTTOM |
| Type: | NEMA 3R | | | | | | | | | | | | | Mounting: | SURFACE |
| Main: | MLO | | | | | | | | | | | | | A.I.C.: | 10,000 |

| Load | A | B | C | Bkr | Ck | abc | Ck | Bkr | A | B | C | Load |
|------------------|---|---|---|--------|----|-----|--------|-----|---|---|---|------------------|
| RECEPTS | | | | 50(I) | 1 | 2 | 20(I) | | | | | PROPANE TANK |
| RECEPTS | | | | (15/I) | | | | | | | | SPACE ONLY |
| SPACE ONLY | | | | - | 3 | 4 | | | | | | SPACE ONLY |
| SPACE ONLY | | | | - | 3 | 4 | | | | | | SPACE ONLY |
| SPACE ONLY | | | | - | 5 | 6 | | | | | | SPACE ONLY |
| SPACE ONLY | | | | - | 5 | 6 | | | | | | SPACE ONLY |
| SPACE ONLY | | | | - | 7 | 8 | | | | | | SPACE ONLY |
| SPACE ONLY | | | | - | 7 | 8 | | | | | | SPACE ONLY |
| PANEL A, B, C, D | | | | | 9 | 10 | | | | | | SPACE ONLY |
| PANEL A, B, C, D | | | | | 9 | 10 | | | | | | SPACE ONLY |
| PANEL A, B, C, D | | | | | 11 | 12 | | | | | | PANEL E, F, G, H |
| PANEL A, B, C, D | | | | | 11 | 12 | | | | | | PANEL E, F, G, H |
| SPACE ONLY | | | | - | 13 | 14 | 125(I) | | | | | PANEL E, F, G, H |
| SPACE ONLY | | | | - | 13 | 14 | | | | | | PANEL E, F, G, H |
| SPACE ONLY | | | | - | 15 | 16 | | | | | | SPACE ONLY |
| SPACE ONLY | | | | - | 15 | 16 | | | | | | SPACE ONLY |
| SPACE ONLY | | | | - | 17 | 18 | | | | | | SPACE ONLY |
| SPACE ONLY | | | | - | 17 | 18 | | | | | | SPACE ONLY |
| SPACE ONLY | | | | - | 19 | 20 | | | | | | SPACE ONLY |
| SPACE ONLY | | | | - | 19 | 20 | | | | | | SPACE ONLY |
| | O | O | O | | | | | | O | O | O | |

| | |
|-------------|-----|
| KVA Phase A | 0.0 |
| KVA Phase B | 0.0 |
| KVA Phase C | 0.0 |

| | |
|--------------------------|-----|
| Total Connected Load KVA | 0.0 |
| Total Load Amperes | 0 |

| | | | | |
|----------|----------------|--------------------|-----------|---------|
| Voltage: | 1L 20/208V, 3ø | (E) PANEL A | Bussing: | 125A |
| Wire: | 4W | | Feed: | BOTTOM |
| Type: | NEMA 3R | | Mounting: | SURFACE |
| Mains: | MLO | | A.I.C.: | 10,000 |

| Load | A | B | C | Bkr | Ck | Ck | Bkr | A | B | C | Load |
|---------------|---|---|---|------|----|----|-----|------|---|---|---------------|
| LIGHTS POST | | | | 20/I | 1 | • | 2 | | | | PROPANE TANK |
| LIGHTS POST | | | | 20/I | | • | | | | | PROPANE TANK |
| LIGHTS POST 4 | | | | 20/I | | • | 4 | | | | LIGHTS POST 1 |
| LIGHTS POST 3 | | | | 20/I | 3 | • | | | | | LIGHTS POST 2 |
| LIGHTS POST | | | | | | • | | | | | LIGHTS POST 1 |
| LIGHTS POST | | | | 30/I | 5 | • | 6 | 20/I | | | LIGHTS POST 2 |
| LIGHTS POST | | | | | | • | | 20/I | | | LIGHTS POST 2 |
| LIGHTS POST | | | | 30/I | 7 | • | 8 | 30/I | | | LIGHTS POST 4 |
| LIGHTS POST | | | | | | • | | | | | LIGHTS POST 4 |
| LIGHTS POST 3 | | | | 30/I | 9 | • | 10 | 30/I | | | LIGHTS POST 5 |
| LIGHTS POST 2 | | | | | | • | | | | | LIGHTS POST 5 |
| LIGHTS POST 2 | | | | 30/I | 11 | • | 12 | 30/I | | | LIGHTS POST 1 |
| | O | O | O | | | | | O | O | O | |

| | | | | |
|-------------|-----|--|--------------------------|-----|
| KVA Phase A | 0.0 | | Total Connected Load KVA | 0.0 |
| KVA Phase B | 0.0 | | Total Load Amperes | 0 |
| KVA Phase C | 0.0 | | | |

| | | | | | | | | | | | |
|------------------------------|--|------|--|-----|--|-----|--|------|--|-------------------|--|
| Voltage: 1 20/208V, 3 ϕ | | | | | | | | | | Bussing: 1 25A | |
| Wire: 4W | | | | | | | | | | Feed: BOTTOM | |
| Type: NEMA 3R | | | | | | | | | | Mounting: SURFACE | |
| Mains: MLO | | | | | | | | | | A.I.C.: 10,000 | |
| (N) PANEL C | | | | | | | | | | | |
| | | | | | | | | | | | |
| Load | | | | | | | | | | | |
| A | | B | | C | | Bkr | | Ck | | Bkr | |
| 400 | | | | | | 201 | | 1 | | 201 | |
| LIGHTS - POLE | | 800 | | | | 201 | | 3 | | 4 | |
| LIGHTS - POLE | | | | 800 | | 201 | | 5 | | 6 | |
| LIGHTS - POLE | | 800 | | | | 201 | | 7 | | 8 | |
| LIGHTS - POLE | | 800 | | | | 201 | | 9 | | 10 | |
| SPACE ONLY | | | | | | - | | 11 | | 12 | |
| SPACE ONLY | | | | | | - | | 13 | | 14 | |
| SPACE ONLY | | | | | | - | | 15 | | 16 | |
| SPACE ONLY | | | | | | - | | 17 | | 18 | |
| SPACE ONLY | | | | | | - | | 19 | | 20 | |
| SPACE ONLY | | | | | | - | | 21 | | 22 | |
| SPACE ONLY | | | | | | - | | 23 | | 24 | |
| SPACE ONLY | | | | | | - | | 25 | | 26 | |
| SPACE ONLY | | | | | | - | | 27 | | 28 | |
| SPACE ONLY | | | | | | - | | 29 | | 30 | |
| 1200 | | 1600 | | 800 | | | | 1600 | | 800 | |
| KVA Phase A | | 2.8 | | | | | | | | | |
| KVA Phase B | | 3.2 | | | | | | | | | |
| KVA Phase C | | 1.6 | | | | | | | | | |
| Total Connected Load KVA | | | | | | | | | | 7.6 | |
| Total Load Amperes | | | | | | | | | | 21 | |

Voltage: 11 20/200V, 3ø

Wire: 4W

Type: NEMA 1

Mains: 600A M.B.

(E) PANEL MSB

Bussing: 600A

Feed: BOTTOM

Mounting: SURFACE

A.I.C. 10,000

| Load | A | B | C | Bkr | Ck | abc | Ck | Bkr | A | B | C | Load |
|----------------|---|---|---|------|----|-----|----|-------|-------------|------|------|----------------------|
| RECEPTS 30A | | | | 50/2 | 1 | 1 | 2 | | RECEPTS 30A | | | AC |
| RECEPTS 30A | | | | | 3 | 3 | 4 | 50/3 | | | | AC |
| SPACE ONLY | | | | - | 5 | 5 | 6 | | | | | AC |
| SPACE ONLY | | | | - | 21 | 21 | 22 | | | | | SPACE ONLY |
| RECEPTS 30A | | | | 30/1 | 9 | 9 | 10 | - | | | | SPACE ONLY |
| RECEPTS 30A | | | | 30/1 | 11 | 11 | 12 | | | | | PANEL SERVICE AREA |
| RECEPTS PENCE | | | | 20/1 | 13 | 13 | 14 | 100/2 | | | | PANEL SERVICE AREA |
| WATER PURIFIER | | | | 15/1 | 15 | 15 | 16 | | 2800 | | | (N) PANEL C |
| RV OUTLET | | | | 30/1 | 17 | 17 | 18 | 125/3 | | | | (N) PANEL C |
| SFAPR | | | | 20/1 | 19 | 19 | 20 | | 1600 | | 3200 | (N) PANEL C |
| RECEPT 50A | | | | 21 | 21 | 22 | | | | | | MIDDLE POLE SUBPANEL |
| RECEPT 50A | | | | 50/2 | 23 | 23 | 24 | 125/2 | | | | MIDDLE POLE SUBPANEL |
| SPACE ONLY | | | | | 25 | 25 | 26 | 20/1 | | | | EXIT SIGNS |
| SPACE ONLY | | | | 15/3 | 27 | 27 | 28 | 20/1 | | | | LIGHTS PLUGS |
| SPACE ONLY | | | | | 29 | 29 | 30 | 20/1 | | | | SFAPR |
| RECEPTS | | | | 20/1 | 31 | 31 | 32 | | | | | PUMP |
| RECEPTS | | | | 20/1 | 33 | 33 | 34 | 40/3 | | | | PUMP |
| TANK | | | | | 35 | 35 | 36 | | | | | PUMP |
| TANK | | | | 50/3 | 37 | 37 | 38 | - | | | | SPACE ONLY |
| TANK | | | | | 39 | 39 | 40 | 30/1 | | | | MICRO |
| PRINTER | | | | 20/1 | 41 | 41 | 42 | 20/1 | | | | CUBICLES |
| | O | O | O | | | | | | 1600 | 2800 | 3200 | |

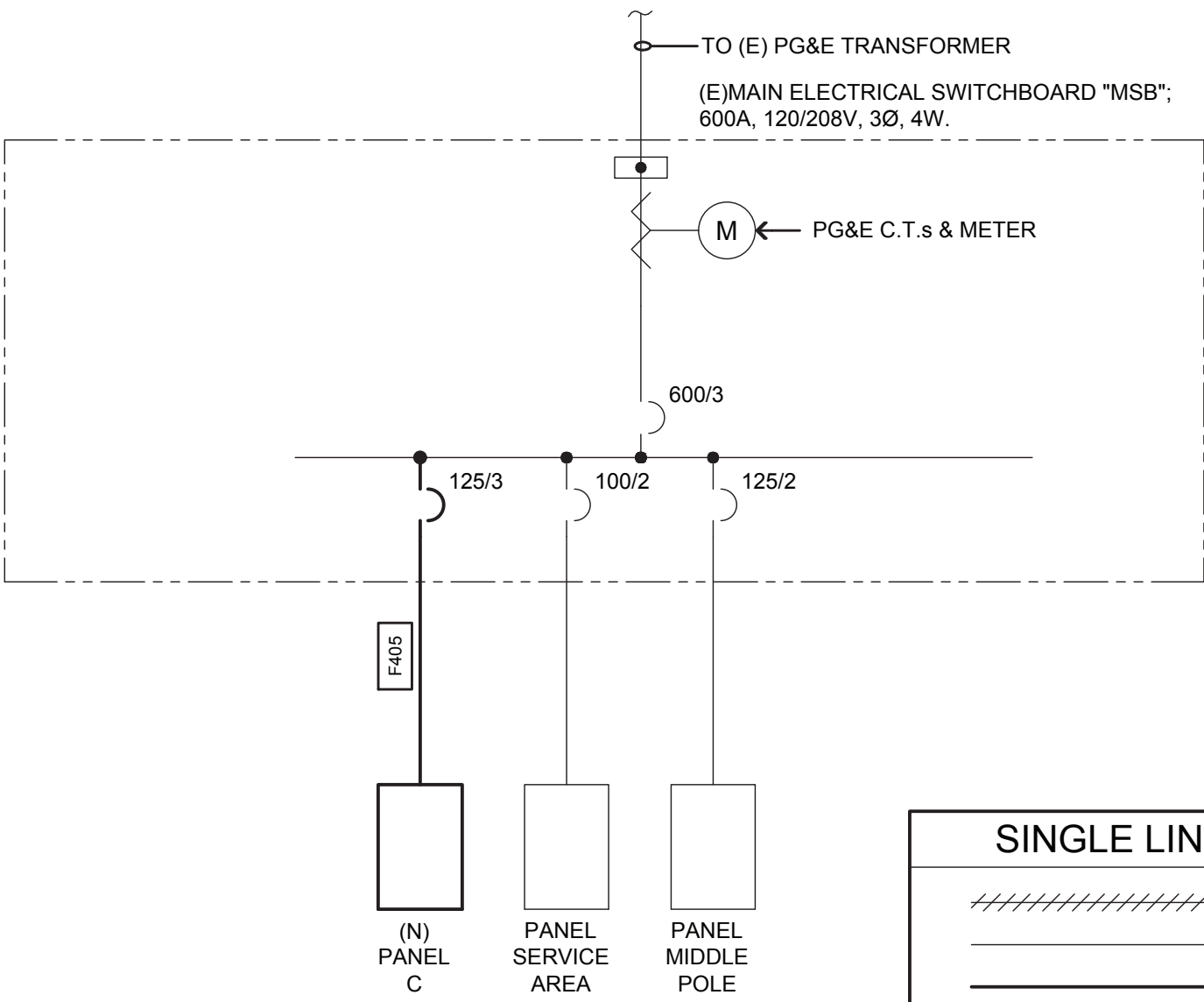
KVA Phase A1.6

KVA Phase B2.8

KVA Phase C3.2

Total Connected Load KVA7.6

Total Load Amperes21



(E) FEEDER SCHEDULE

| DESIGNATION | AMPACITY | CONDUIT & CONDUCTORS SIZES |
|-------------|----------|----------------------------------------------------------|
| F301 | 40 | 3/4" C., 3 #8 & 1 #10 GND. |
| F302 | 50/60 | 1" C., 3 #6 & 1 #10 GND. |
| F303 | 70 | 1 1/4" C., 3 #4 & 1 #8 GND. |
| F304 | 100 | 1 1/4" C., 3 #2 & 1 #8 GND. |
| F305 | 125 | 1 1/2" C., 3 #1 & 1 #6 GND. |
| F306 | 150 | 1 1/2" C., 3 #1/0 & 1 #6 GND. |
| F307 | 175 | 2" C., 3 #2/0 & 1 #6 GND. |
| F308 | 200 | 2" C., 3 #3/0 & 1 #6 GND. |
| F309 | 225 | 2" C., 3 #4/0 & 1 #4 GND. |
| F310 | 250 | 3" C., 3 #250kcm & 1 #4 GND. |
| F311 | 300 | 3" C., 3 #350kcm & 1 #4 GND. |
| F312 | 400 | 3 1/2" C., 3 #500kcm & 1 #2 GND. |
| F313 | 600 | (2) 3" C., EACH W/3 #350kcm & 1 #1/0 GND (PARALLEL). |
| F314 | 800 | (2) 3 1/2" C., EACH W/3 #500kcm & 1 #1/0 GND (PARALLEL). |
| F315 | 1000 | (3) 3 1/2" C., EACH W/3 #350kcm & 1 #2/0 GND (PARALLEL). |
| F316 | 1200 | (4) 3" C., EACH W/3 #350kcm & 1 #3/0 GND (PARALLEL). |
| F401 | 40 | 3/4" C., 4 #8 & 1 #10 GND. |
| F402 | 50/60 | 1" C., 4 #6 & 1 #10 GND. |
| F403 | 70 | 1 1/4" C., 4 #4 & 1 #8 GND. |
| F404 | 100 | 1 1/2" C., 4 #2 & 1 #8 GND. |
| F405 | 125 | 2" C., 4 #1 & 1 #6 GND. |
| F406 | 150 | 2" C., 4 #1/0 & 1 #6 GND. |
| F407 | 175 | 2" C., 4 #2/0 & 1 #6 GND. |
| F408 | 200 | 2 1/2" C., 4 #3/0 & 1 #6 GND. |
| F409 | 225 | 2 1/2" C., 4 #4/0 & 1 #4 GND. |
| F410 | 250 | 3" C., 4 #250kcm & 1 #4 GND. |
| F411 | 300 | 3 1/2" C., 4 #350kcm & 1 #4 GND. |
| F412 | 400 | 4" C., 4 #500kcm & 1 #2 GND. |
| F412T | 400 | 4" C., 4 #600kcm & 1 #2 GND. |
| F413 | 600 | (2) 3 1/2" C., EACH W/4 #350kcm & 1 #1/0 GND (PARALLEL). |
| F414 | 800 | (2) 4" C., EACH W/4 #500kcm & 1 #1/0 GND (PARALLEL). |
| F414T | 800 | (2) 4" C., EACH W/4 #600kcm & 1 #1/0 GND (PARALLEL). |
| F415 | 1000 | (3) 4" C., EACH W/4 #350kcm & 1 #2/0 GND (PARALLEL). |
| F416 | 1200 | (4) 3 1/2" C., EACH W/4 #350kcm & 1 #3/0 GND (PARALLEL). |

EXISTING SINGLE LINE DIAGRAM

NO SCALE

| REVISIONS | DATE |
|-----------|------|
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| | |

SAN MARTIN RV LIGHTING
13635 SYCAMORE AVE.
SAN MARTIN, CA 95046

Project Title:

Sheet Title:



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Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job and this office shall be notified of any variations from the dimensions and conditions shown by these drawings. Shop details shall be submitted to this office for approval before proceeding with fabrication.

Drawn by: CADD

Date: 02.08.22

Scale: AS NOTED

Job No.: 22-034.00

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

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Project Title:
SAN MARTIN RV LIGHTING
13635 SYCAMORE AVE
SAN MARTIN, CA 95046

Sheet Title:
ELECTRICAL SITE PLAN

REGISTERED PROFESSIONAL ENGINEER
MONTEREY BAY, CA
02/08/22
DRAWN BY: [Signature]
PROJECT NO. 22-034

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| Scale: | AS NOTED |
| Job No.: | 22-034.00 |

E2.1

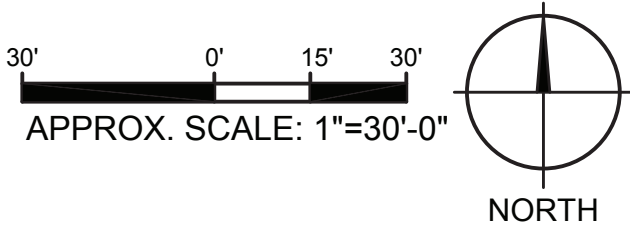
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AURUM CONSULTING ENGINEERS
MONTEREY BAY, INC

Project No. 22-034.00

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Project Title:

SAN MARTIN RV LIGHTING

13635 SYCAMORE AVE
SAN MARTIN, CA 95046

Sheet Title:

PARTIAL
ELECTRICAL SITE
PLAN

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