NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT.

John P. Adams, AlA

Jerome Bankovich, Jr., AlA, LEED

Ethan J. Hine, AlA

Solve of the Solve of

K H H ARCHITECTS 17

ABOLS, & SHEET INDEX

TATION NO.71
RICAL LEGEND, SYMBOLS

LAKE COUNFIRE STATION NO.

NOVEMBER 10, 202

NOVEMBER 10,

TLC | ENGINEERING | SOLUTION S | ©Copyright 2021 | 7370 Cabot Court, Suite 103 | Melbourne, FL 32940 | COA 15 | www.tlc-engineers.com | TLC No.:521157 | THINK. LISTEN. CREATE.

WHERE THERE IS A DISCREPANCY BETWEEN ABOVE GENERAL NOTES AND SPECIFICATIONS, WHERE APPLICABLE, SPECIFICATIONS SHALL BE FOLLOWED

BIM 360://20073A - Lake County Fire Station 7 | /52 | | 57_Lake Co FS 7 | _MEP_R | 8.rvt

TLC ENGINEERING Melbourne, FL 32940 P 321.636.0274 www.tlc-engineers.com TLC No.:521157 THINK, LISTEN, CREATE,

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NOVEMBER 10, 202

EPHEN B. COTTON, P.

PE License #60046

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5/3/2022 11:12:14 AM

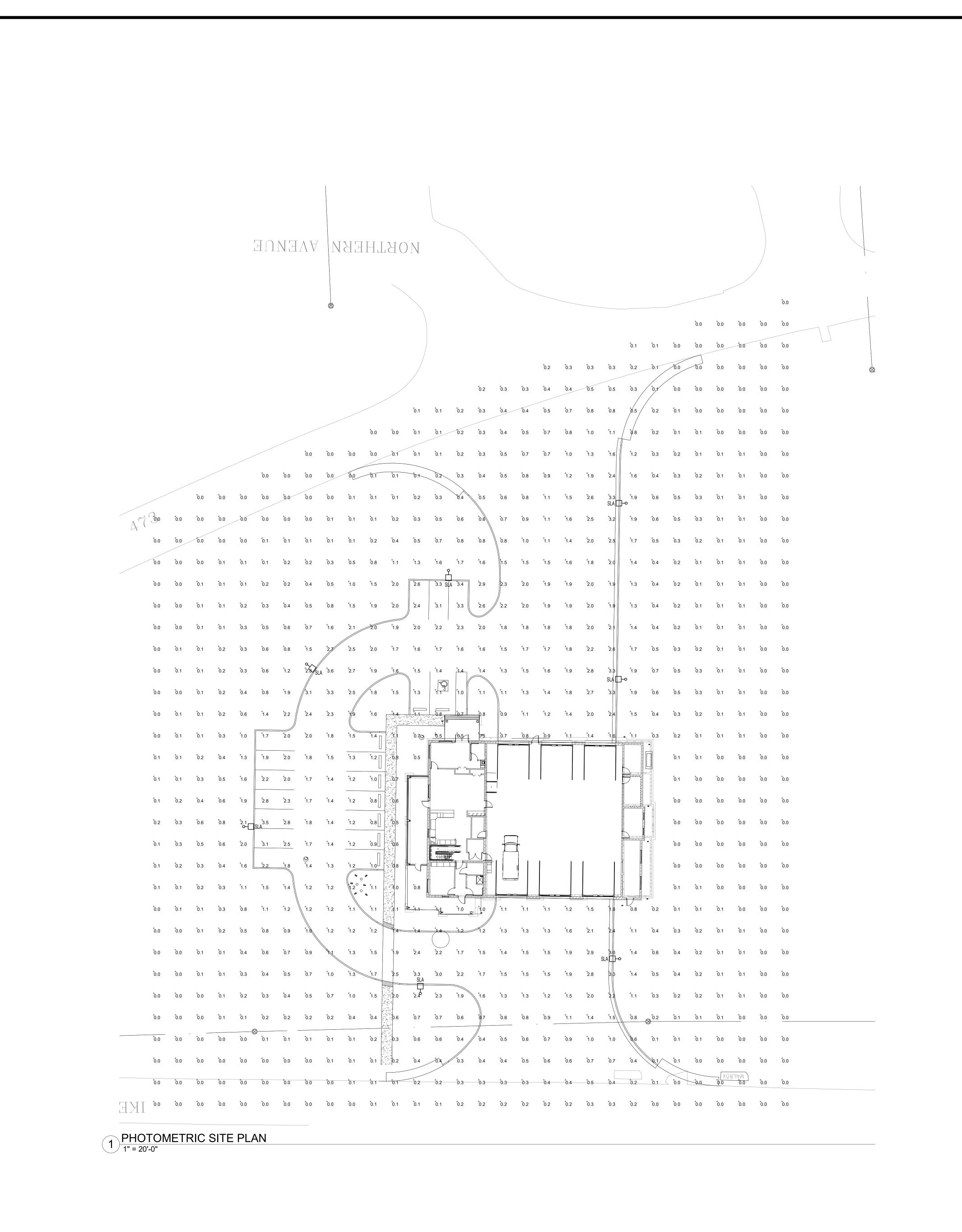


- 1. CONTROLLED VIA PHOTOCELL WITH ASTRONOMICAL TIME CLOCK OVERRIDE.
- 2. REFER TO DETAIL 1/E6.2 FOR POLE BASE DETAIL.
- 3. REFER TO DETAIL 2/E6.2 FOR POLE BASE DETAIL.
- 4. (3) 4" C TO NEW PAD-MOUNTED UTILITY TRANSFORMER. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF TRANSFORMER WITH SECO ENERGY BASED ON SERVICE REQUIREMENTS.
- (1) 1" C FROM TRANSFER SWITCH IN ELECTRICAL ROOM TO GENERATOR FOR CONTROL WIRING.
- 6. PROPOSED LOCATION OF PAD-MOUNTED UTILITY TRANSFORMER. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF TRANSFORMER WITH SECO ENERGY. CONTRACTOR SHALL PROVIDE PAD BASED ON SERVICE REQUIREMENTS.
- 7. UNDERGROUND PRIMARY ELECTRICAL SERVICE CONDUITS. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION AND ROUTING OF ELECTRICAL SERVICE PRIMARY CONDUIT AND FEEDERS WITH SECO ENERGY. CONTRACTOR SHALL PROVIDE PRIMARY CONDUITS AND FEEDERS AS REQUIRED BY SERVICE REQUIREMENTS.
- 8. PROPOSED LOCATION OF GENERATOR DOCKING STATION.
- 9. PROPOSED LOCATION OF ELECTRIC UTILITY METER.

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NOVEMBER 10, 2021

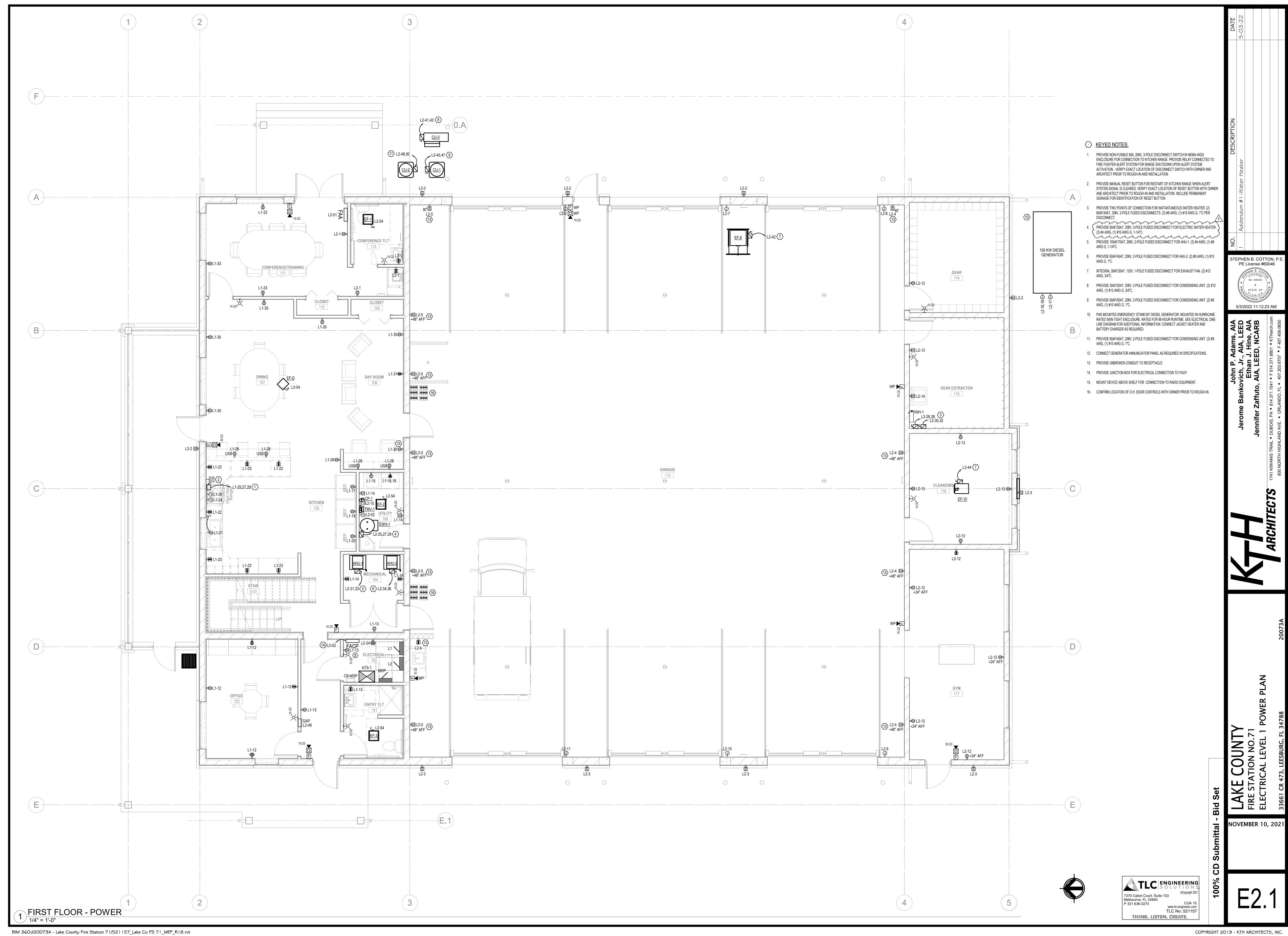


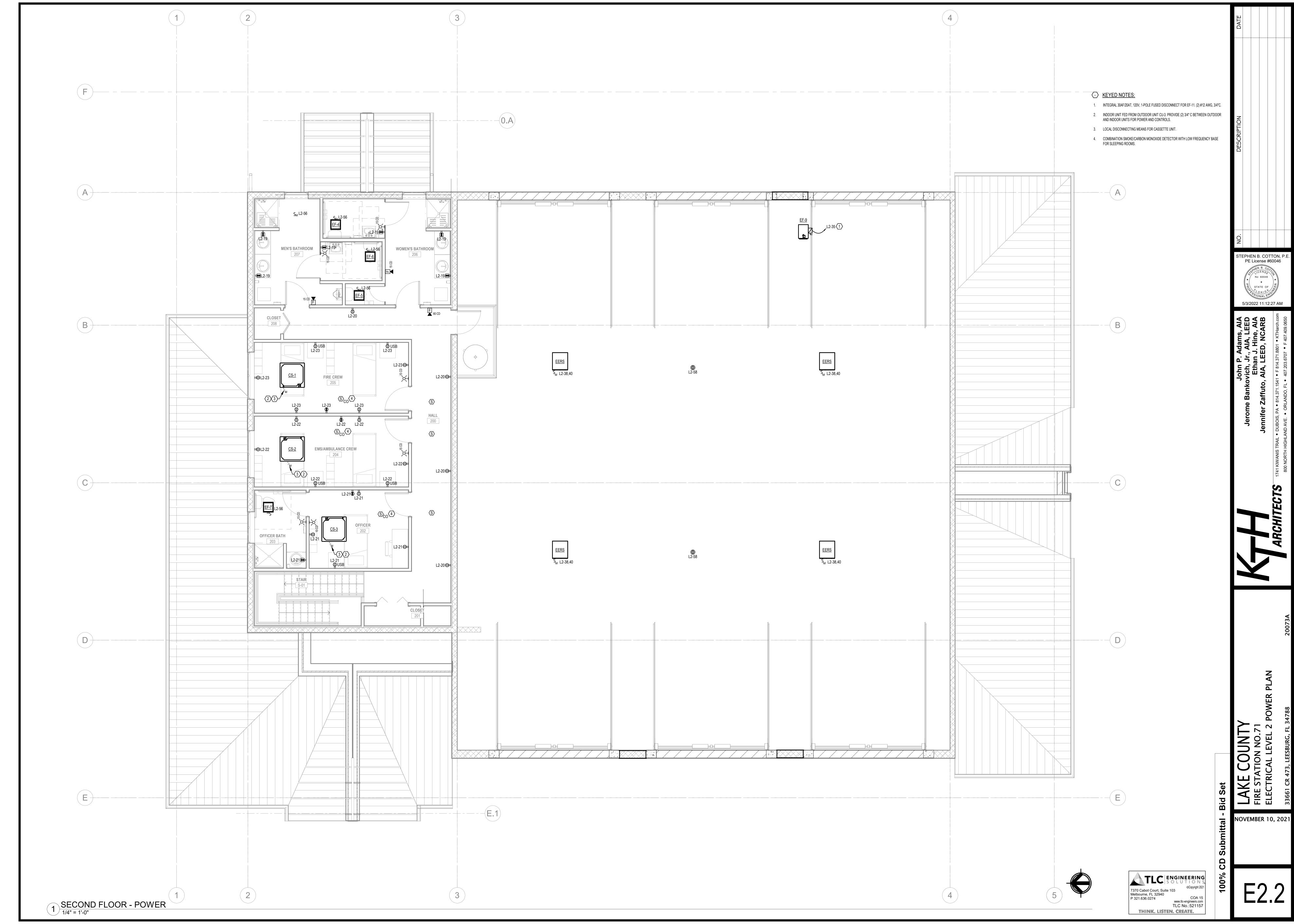


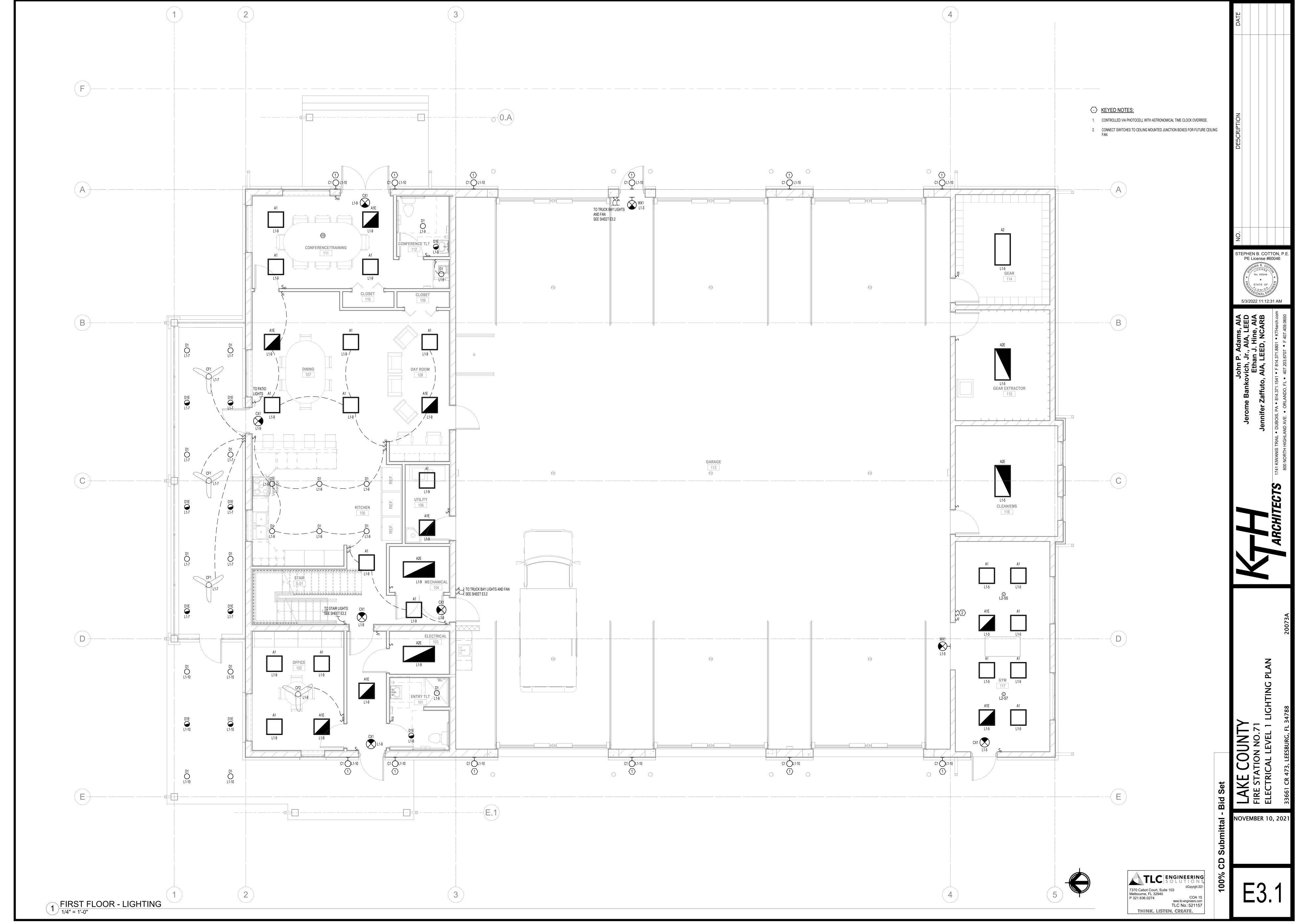
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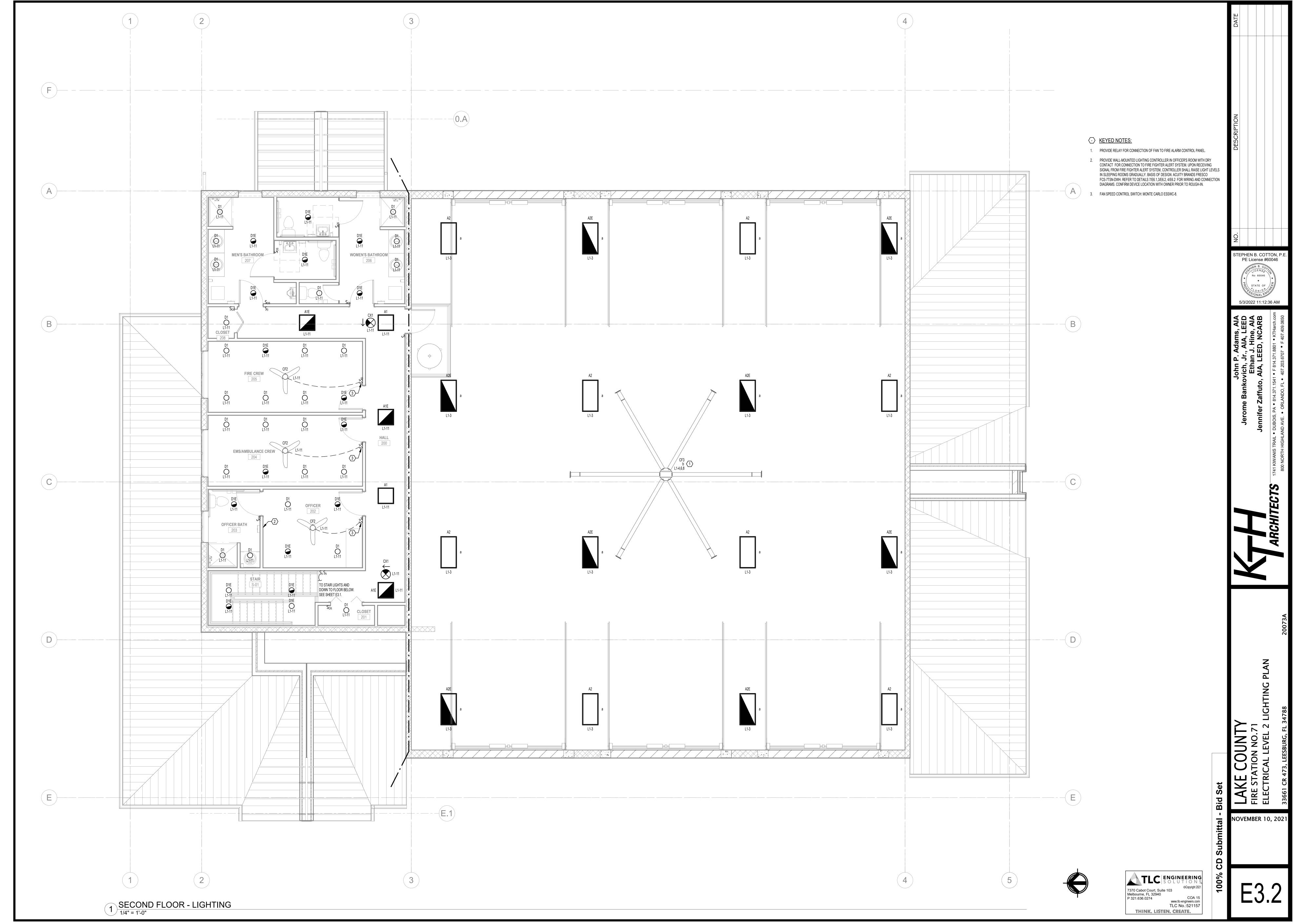
NOVEMBER 10, 202

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| NOTES: |
|--------|
|--------|

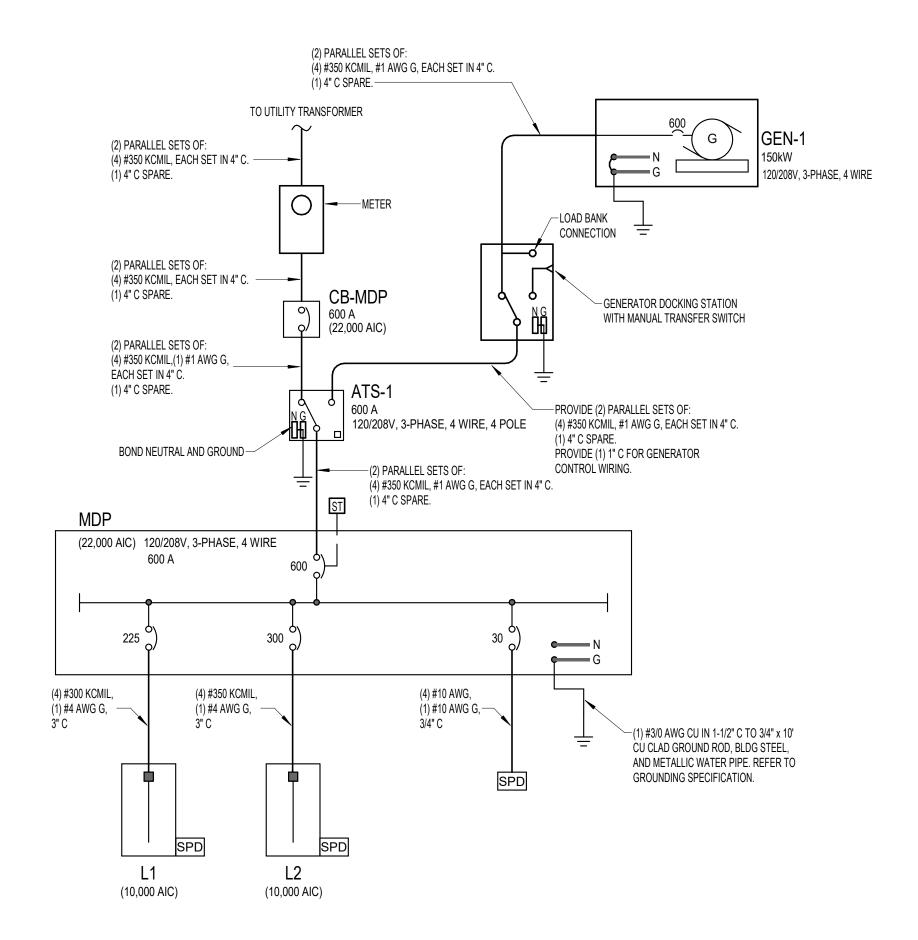
- 1. ALL LED FIXTURES SHALL BE MINIMUM 50,000 HOURS L70, CRI 80+. ALL INTERIOR LIGHTS SHALL BE 3500K UON. ALL EXTERIOR LIGHTS SHALL BE 4000K UON.
- 2. PROVIDE APPROVED FIRE-RATED ENCLOSURES FOR ALL LIGHT FIXTURES LOCATED IN FIRE-RATED CEILINGS.
- 3. IF THERE IS A DISCREPANCY BETWEEN THE FIXTURE DESCRIPTION, THE LIGHTING GENERAL NOTES, THE LIGHTING SPECIFICATIONS, AND THE CATALOG NUMBER LISTED, THE FIXTURE DESCRIPTION SHALL TAKE PRECEDENCE.
- 4. THE 1ST MANUFACTURER LISTED WITH CORRESPONDING CATALOG NUMBER SHALL BE CONSIDERED THE BASIS OF DESIGN SELECTION. OTHER MANUFACTURERS WILL BE CONSIDERED AS "APPROVED EQUAL" ONLY IF THEIR LIGHTING FIXTURE MEETS OR EXCEEDS THE BASIS OF DESIGN SELECTION IN TYPE AND QUALITY OF CONSTRUCTION, LOUVER FINISHES, HOUSING FINISHES, PHOTOMETRICS, SELECTED OPTIONS AND ACCESSORIES. APPROVED EQUAL MANUFACTURERS MUST ALSO MATCH OVERALL APPEARANCE AND DIMENSIONS OF BASIS OF DESIGN SELECTION.
- 5. LIGHT FIXTURES IN LAY-IN CEILING GRIDS SHALL BE SUPPORTED AS FOLLOWS: LIGHT FIXTURES WEIGHING LESS THAN 10 POUNDS SHALL HAVE (1) 12 GAUGE WIRE CONNECTED FROM THE LIGHT FIXTURE TO THE STRUCTURE ABOVE. LIGHT FIXTURES WEIGHING 10 POUNDS OR MORE SHALL HAVE (2) 12 GAUGE WIRES ATTACHED AT OPPOSITE CORNERS OF THE LIGHT FIXTURE TO THE STRUCTURE ABOVE.
- 6. SEE INTERIOR AND EXTERIOR LIGHTING SPECIFICATION SECTIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS FOR LIGHT FIXTURES LISTED IN SCHEDULE.
- 7. EQUAL FIXTURES THAT FOLLOW THE BASIS OF DESIGN CAN BE PROVIDED BY WESTERN FLORIDA LIGHTING, LIGHTING PARTNERS, AND SESCO LIGHTING.
- 8. SEE PLANS AND DETAILS FOR INTERIOR AND EXTERIOR LIGHTING CONTROLS. LARGER AND COMPLEX ROOMS SHALL BE CONTROLLED BY LIGHTING CONTROL PANEL AND SYSTEM, WHILE SMALLER ROOMS AND CORRIDORS SHALL HAVE STAND ALONE LIGHTING CONTROLS PER PLANS.
- 9. SITE LIGHT FIXTURES SHALL BE MOUNTED ON DIRECT BURIED 25'-0" ROUND TAPERED CONCRETE POLES. SEE SITE PLAN AND DETAILS FOR CONCRETE POLES THAT REQUIRE ADDITIONAL CONCRETE BUMPER PROTECTION. POLES SHALL BE RATED FOR 132 MPH WIND.

| Input / Output Matrix | | | | | | LA | KE | СО | TNU | ΥF | IRE | S1 | ΓAΤ | ION | NC |). 71 | | | | | |
|--|---------------------------------|------------------------------|---|---|---|---|----------------------------|----------------------------|---------------------------------------|--|------------------------------------|---|--|---------------------------------------|---------------------------------|---|-----------------|----------------|-----------|--------|--|
| | Co | ontro | l Unit | Annı | uncia | tion | | | | No | otifica | tion | | | | Re Saf | equire ety F | ed Fi uncti | re ons | | |
| System Inputs | FACP Alarm Sounder (72 1-5.4.4) | ACP Alarm Light (72.1-5.4.4) | ACP Supervisory Sounder (72 1-5.4.4, 1-5.4.3.2.2) | ACP Supervisory Light (72 1-5.4.4, 1-5.4.3.2.2) | ACP Trouble Sounder (72 1-5.4.4, 1-5.4.6.1) | ACP Trouble Light (72 1-5.4.4, 1-5.4.6.1) | peakers (72.4, FPC 1425.4) | Strobes (72 4, FPC 1425.4) | DACT Fire Summary Alarms (FPC 1418.2) | DACT Backflow Preventor (FPC 1418.2) BFP | DACT Tamper Switch (FPC 1418.2) TS | DACT Duct Smoke Detectors (FPC 1418.2) DS | DACT Fire Water Flow Alarms (FPC 1418.2) FWF | DACT Fire Alarm Troubles (FPC 1418.2) | Fire Alarm Drill Recall Sounder | Bypass Notification Appliances (FPC 1418.8) | | | | | |
| Cystem inputs | A | B | C | D | Ē | F | G | H | - D | J | K | <u>G</u> | M | N | 0 | e P | Q | R | S | Rela | lavent Code References |
| ALARM INPUTS | | | | | | | | | | | | | | Ĵ | | | | | | | |
| Water Flow Switch | X | X | | | | | X | | X | | | | Х | | | | | | | 1 | 1.0.0 |
| Manual Fire Alarm Box | Х | Х | 33) | 30 | 337 | | Х | Х | Х | 30) | 30 | | 337 | 14 | | | | 90 | 30 | 2 | 72 2-6 |
| SUPERVISORY INPUTS | - | - | T V | T V | - | | | - | ř | l v | - | | - | | r - | | | | - | | - L |
| Backflow Preventor | - W | | X | | | | | | | Х | v | | | | 0 0 | | | | | 3 | |
| Tamper Switch | | - | | | 100 | | | 100 | 100 | | Х | | - | | | | | | | 4 | At a second and a second a second and a second a second and a second a second and a second a second and a sec |
| TROUBLE INPUTS Ground Fault | | - | 400 | - | T V | - V | | 44. | r e | | 445 | | 45 | v | | | | | - | - | Larrana |
| Ground Fault Short Circuit | -4 | | | 8 | X | X | - | | | | | | | X | 2 4 | | | | 2 | 5 6 | |
| Open Circuit | - 4 | | - | 2 | x | x | | 2 | 3 | - | 2 | 2 | | x | 2 3 | | | 2 | | 7 | |
| Battery Fail | - 08Ec | + | | | x | x | | | | | | | | X | 9 | | | | | 8 | 72 1-5.8.7.1 -5.8.7.1 |
| A/C Power Fall | - | | 1 | | X | X | | | 1 | | | | | X | | | - | | | 9 | |
| Misc. General System Trouble | | 1 | | | X | x | | | | | | | | X | | | | - | | 10 | |
| SYSTEM CONTROL INPUTS | 198 | | | | | 7 | | | | | | .0 | | | 73 | | | | | | The state of the s |
| Notification Appliance Activate Switch | х | Х | T | T | Х | х | Х | Х | х | Г | T | | T | х | 1 | | | | | 11 | 1 72 1-5.4.5.1, FPC 1418.8 |
| romacorr application reduction of their | | | | | | | | | | | | | | | 9 | | | | | 12 | |
| | * | | | | | | | | | | | | | | | | | | | 13 | |
| 9 | 26.0 | | | | | 1 | | | | | | | | | - (c | Ċ | | | | 14 | |
| 20 | (E) | 8 | - | Š. | | 8 | | - | | Š | i i | i i | ŝ | 8 | 8 | Š | ŝ | Š | Š | 15 | |
| | A | В | С | D | Е | F | G | н | | J | К | L | М | N | 0 | Р | Q | R | S | 8 | |
| | | 34 | 34 | 38 | 34 | 34 14 | | 30 | 34 | 34 | 3/ | 34 | 3/ | 34 | | | | | | 30. | |
| Note | s | | | | | | | Í | | | | | | | | | | | | | Code Reference |
| Activates emergency egress lighting system | | | | | | | | 1 | Х | Syste | em inn | out car | uses s | vstem | outp | ut func | tion | | | | 2017 NFPA 70 |
| Stops any conflicting or confusing audio | 516 | | | | | | | 1 | | -/ | | | | | - 5-40 | | | | | | 2016 NFPA 72 |
| | | | | | | | | 1 | | | | | | | | | | | | | ELODIDA FIDE DDEVENTION CODE 3TI |
| | | | | | | | | 1 | | | | | | | | | | | | | EDITION EDITION |
| | | | | | | | | 1 | | | | | | | | | | | | | |
| | | | | | | | | 1 | | | | | | | | | | | | | |

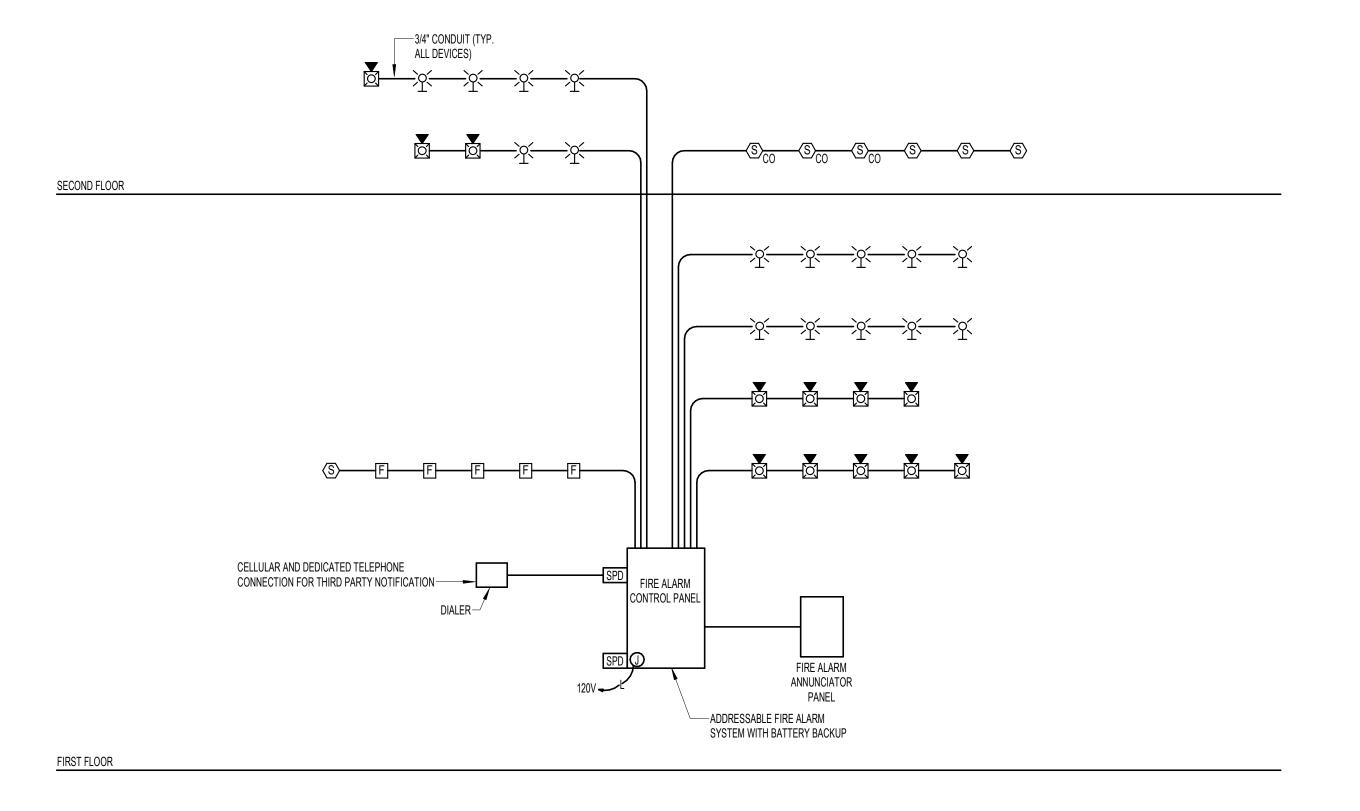
| S | unn | | ng: SURFAC ure: TYPE 1 | | | | sing: Yes | - | | | _ | | BUS Rating: 600 A ICB Rating: 600 A | | |
|----|------|----------------|---------------------------|-------|---------|--------|-----------|--------|--------|---------|---|---------|--|-----|---|
| | CK. | | Trip(A) | Р | | (VA) | | (VA) | | (VA) | _ | Trip(A) | | СКТ | K |
| | 1 | - | | | 11.986 | 66.146 | | | | | | | | 2 | H |
| | 3 | PANEL L1 | 225 | 3 | | | 14.978 | 65.153 | | | 3 | 300 | PANEL L2 | 4 | |
| | 5 | 7 | | | | | | | 14.651 | 64.182 | | | | 6 | 1 |
| | 7 | Space | | | 0.000 | 0.000 | | | | | | | | 8 | T |
| | 9 | Space | | | | | 0.000 | 0.000 | | | 3 | 100 | SPARE | 10 | 1 |
| | 11 | Space | | | | | | | 0.000 | 0.000 | | | | 12 | 1 |
| | 13 | Space | | | 0.000 | 0.000 | | | | | | | | 14 | Ī |
| | 15 | 5 Space | | | | | 0.000 | 0.000 | | | 3 | 30 | SPD | 16 | 1 |
| | 17 | Space | | | | | | | 0.000 | 0.000 | | | | 18 | l |
| | | Connected F | hase Load (K | VA) | 78. | .132 | 80. | 131 | 78. | 833 | | | | | |
| | | | d Phase Amps | (A) | 651 | .097 | 668 | .654 | 657 | .838 | | | | | |
| 2 | ad C | Classification | Con | nec | ted Loa | id De | emand F | actor | Dema | nd Load | | | Panel Totals | | |
| U | IPME | NT | | 8700 | 0.00 W | | 100.00% | , | 870 | 0.00 W | | | | | |
| Α | TING | | | 13700 | 00.00 W | | 100.00% | , | 1370 | 00.00 W | | Total | Connected Load (KVA): 237.095 | | |
| С | HEN | EQUIPMENT | | 2400 | 0.00 W | | 100.00% | , | 240 | 0.00 W | | То | tal Demand Load (KVA): 231.386 | | |
| ЭН | TING | | | 4083 | 3.00 W | | 100.00% | , | 408 | 3.00 W | | To | otal Demand Current (A): 642 | | |
| to | r | | | 4875 | 5.00 W | | 104.43% | , | 509 | 1.00 W | | | | | |
| he | r | | | 1681 | I.00 W | | 100.00% | | 168 | 31.00 W | | | | | |
| С | EPTA | ACLE | | 3035 | 0.00 W | | 66.47% | | 2017 | 75.00 W | | | | | |
| /A | С | | | 4795 | 6.00 W | | 108.86% | | 5220 | 06.00 W | | | | | |
| QU | IP. | | | 50. | 00 W | | 100.00% | | 50 | 0.00 W | | | | | |
| | | | | | | | | | | | | | | | |

| | | From: MDP Enclosure: | | | | t Busing: Yes | | | | _ | | MCB Rating: 225 A | |
|-----|-------|---|-----------|---------|------|---------------|-------|-------|---------|----|---------|-----------------------------------|-----|
| | СКТ | <u>'</u> | Trip(A) P | | KVA) | | KVA) | C (F | (VA) | _ | Trip(A) | | СКТ |
| 2 | | SITE LIGHTING | 20 1 | 0.216 | 0.48 | | 0.500 | | | 1 | 20 | SITE LIGHTING | 2 |
| | | LIGHTING - VEHICLE BAY | 20 1 | | | 0.597 | 0.500 | 0.050 | 0.500 | | 4- | OFILING FAMIL VEHICLE BAY | 4 |
| | | LIGHTING - GEAR/ GEAR EXTRACT, CLEAN/EMS, GYI | | 0.007 | 0.54 | 20 | | 0.353 | 0.500 | 3 | 15 | CEILING FAN - VEHICLE BAY | 6 |
| 2 | | LIGHTING - PATIO/ WEST EXTERIOR | 20 1 | 0.297 | 0.50 | | 0.450 | | | 1 | 20 | LIGHTING - EXTERIOR | 8 |
| | | LIGHTING - OFFICE, MECH/ELEC, UTIL, KITCH., DAY | | | + | 0.848 | 0.456 | 0.044 | 0.000 | 1 | 20 | | 10 |
| | | LIGHTING - 2ND FLOOR INTERIOR RECEPTACLES - FOYERS. ELEC. ENTRY TOILET | 20 1 | 0.720 | 0.72 | 20 | | 0.911 | 0.900 | 1 | 20 | RECEPTACIES - OFFICE | 12 |
| | | | 20 1 | 0.720 | 0.72 | | 2.500 | | | 1 | 20 | RECEPTACLES - UTILITY, MECHANICAL | 14 |
| 1 | | RECEPTACLE - WASHER | 20 1 | | | 1.200 | 2.500 | 1.000 | 2.500 | 2 | 30 | RECEPTACLE - DRYER | 16 |
| 1_ | | REFRIGERATOR | 20 1 | 4.000 | 4.00 | 20 | | 1.000 | 2.500 | | 00 | DEEDIGEDATOR | 18 |
| 1 | | REFRIGERATOR | 20 1 | 1.000 | 1.00 | | 0.700 | | | 1 | 20 | REFRIGERATOR | 20 |
| | | KITCHEN DISPOSAL | 20 1 | | - | 0.850 | 0.720 | 0.540 | 4.000 | 1 | 20 | RECEPTACLES - KITCHEN COUNTER | 22 |
| | | RECEPTACLES - KITCHEN COUNTER | 20 1 | 5.00= | 1.0 | | | 0.540 | 1.200 | 1 | 15 | KITCHEN HOOD KH-1 | 24 |
| | 25 | | | 5.667 | 1.20 | | | | | 1 | 20 | MICROWAVE | 26 |
| | | ELECTRIC RANGE | 60 3 | | | 5.667 | 0.900 | | | 1 | 20 | RECEPTACLES - BAR & WORK AREA | 28 |
| | 29 | | | | | | | 5.667 | 0.180 | 1 | 20 | RECEPTACLE DAY ROOM 108 | 30 |
| | | RECEPTACLE - TV DAY ROOM | 20 1 | 0.180 | 0.00 | | | | | 1 | 20 | Spare | 32 |
| | | RECEPTACLES - CONFERENCE/TRAINING | 20 1 | | | 0.740 | 0.000 | | | 1 | 20 | Spare | 34 |
| | | RECEPTACLES - DINING & DAY ROOM | 20 1 | | | | | 0.900 | 0.000 | 1 | 20 | Spare | 36 |
| | | Spare | 20 1 | 0.000 | 0.00 | | | | | ١. | | | 38 |
| | | Spare | 20 1 | | | 0.000 | 0.000 | | | 3 | 30 | SPD | 40 |
| | 41 | Spare | 20 1 | | | | | 0.000 | 0.000 | | | | 42 |
| | | Connected Phase | , , | | .986 | | .978 | | 651 | | | | |
| | | Connected Pha | | | .881 | | 3.231 | | .506 | | | | |
| | | assification | Connec | | ad | Demand F | | | nd Load | l | | Panel Totals | |
| | | QUIPMENT | | 0.00 W | | 100.00% | | | 0.00 W | | | | |
| GH | TING | | 408 | 3.00 W | | 100.00% | Ď | 408 | 3.00 W | | Tota | Connected Load (KVA): 41.614 | |
| the | | | 158 | 1.00 W | | 100.00% | 5 | 158 | 1.00 W | | To | otal Demand Load (KVA): 42.589 | |
| ECI | PTAC | LE | 165 | 50.00 W | | 80.21% | | 132 | 75.00 W | | Te | otal Demand Current (A): 118 | |
| VA |) | | 170 | W 00.00 | | 125.00% | ò | 212 | 50.00 W | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | 1 | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | 1 | | |
| an | el Ke | ynotes (KN): | -1 | | | | | | | | | | |
| | | GFCI BREAKER | | | | | | | | | | | |

| Sı | | pocation: ELECTRICAL 103 Mounting: S y From: MDP Enclosure: 1 | | _ | | | sing: Yes | _ | /3/4 K.A. I | | _ | | US Rating: 400 A CB Rating: 300 A | | |
|------------|----------|--|----------|------------|---------|-------|-----------|-------|----------------|------------------|---|---------|---|----------|--------------|
| | CKT | | Trip(A) | Р | | A | | В | | | | Trip(A) | Circuit Description | СКТ | KI |
| | 1 | RECEPTACLES - CONFERENCE/TRAINING, TOILET | 20 | 1 | 0.720 | 0.900 | | | | | 1 | | RECEPTACLES - EXTERIOR | 2 | \vdash |
| | | RECEPTACLES - EXTERIOR | 20 | 1 | | 0.000 | 0.900 | 0.720 | | | 1 | | RECEPTACLES - GARAGE | 4 | \vdash |
| | 5 | RECEPTACLES - GARAGE | 20 | 1 | | | | | 1.260 | 0.800 | 1 | | DOOR OPENER | 6 | |
| | 7 | DOOR OPENER | 20 | 1 | 0.800 | 0.800 | | | | | 1 | 20 | DOOR OPENER | 8 | |
| | 9 | DOOR OPENER | 20 | 1 | | | 0.800 | 0.800 | | | 1 | 20 | DOOR OPENER | 10 | |
| | 11 | DOOR OPENER | 20 | 1 | | | | | 0.800 | 0.900 | 1 | 20 | RECEPTACLES - GYM | 12 | |
| | | RECEPTACLES - CLEAN/EMS, GEAR/GEAR | 20 | 1 | | 1.200 | | | | | 1 | 20 | RECEPTACLE - WASHER - GEAR EXTRACTOR | 14 | L |
| | | | 20 | 1 | | | 0.200 | 1.200 | | | 2 | 20 | GENERATOR ENGINE BLOCK HEATER | 16 | _ |
| | | GENERATOR BATTERY | 20 | 1 | | | | | 0.500 | 1.200 | | | | 18 | \perp |
| | | * | 20 | 1 | 1.080 | 0.720 | 4.000 | 4.000 | | | 1 | | RECEPTACLES - 2ND FLOOR CORRIDOR | 20 | ₩ |
| | | RECEPTACIES - OFFICER QUARTERS & BATH | 20 | 1 | | | 1.080 | 1.260 | 4.000 | 0.000 | 1 | | RECEPTACLES - EMS/AMBULANCE CREW | 22 | \vdash |
| \supset | | BESEPTACLES-EIRECREW | ~20~ | \uparrow | 14 000 | 2.500 | | | 1.260 | 0.360 | 1 | 20 | RECEPTACLE - TWO-POST TELECOM RACK | 24 | \vdash |
| | 25 | | 40 | 2 | 341.000 | 3.500 | /11 000 | 2 500 | | | 2 | 40 | IWH-1 | 26 | 1 |
| | 27 29 | EWH-1 | 40 | 3 | } | | 41.000 | 3.500 | 41.000 | 3.500 | | | | 28 | \vdash |
| | 31 | | | <u></u> | 4.750 | 3.500 | | | 41.000 | 3.500 | 2 | 20 | IWH-1 | 30 | + |
| | 33 | AHU-1 | 80 | 2 | 4.730 | 3.300 | 4.750 | 3.000 | | | | | | 34 | \vdash |
| - | | EF-9 | 20 | 1 | | | 4.730 | 3.000 | 0.696 | 3.000 | 2 | 45 | AHU-2 | 36 | 1 |
| | 37 | | 20 | • | | 1.120 | | | 0.000 | 0.000 | | | | 38 | \vdash |
| | 39 | | | | | 20 | | 1.120 | | | 2 | 20 | EERS | 40 | 1 |
| | 41 | | | | | | | | 0.150 | 1.656 | 1 | 20 | EF-8 | 42 | \vdash |
| ١ | 43 | CU-3/CS-1, CS-2, CS-3 | 20 | 2 | 0.150 | 0.864 | | | | | 1 | 20 | EF-10 | 44 | T |
| | 45 | CII 4 | 50 | 1 | | | 3.713 | | | | | | | 46 | |
| | 47 | - CU-1 | 50 | 2 | | | | | 3.713 | 3.037 | 2 | 40 | CU-2 | 48 | |
| | 49 | GENERATOR ANNUNCIATOR PANEL | 20 | 1 | 0.050 | 3.037 | | | | | | 40 | CU-2 | 50 | L |
| | | FIRE ALARM ANNUNCIATOR | 20 | 1 | | | 0.050 | 0.200 | | | 1 | 20 | TMV-1 | 52 | \perp |
| | | FACP | 20 | 1 | | | | | 0.050 | 0.300 | 1 | | EXHAUST FANS - FIRST FLOOR | 54 | L |
| | | FUTURE CEILING FAN - GYM | 20 | 1 | 0.000 | 0.375 | | | | | 1 | | EXHAUST FANS - SECOND FLOOR | 56 | \perp |
| | | FUTURE CEILING FAN - GYM | 20 | 1 | | | 0.500 | 0.360 | | | 1 | | RECEPTACLES - GARAGE CEILING | 58 | \perp |
| | 59 | Spare | 20 | 1 | 0.000 | 2 222 | | | 0.000 | 0.000 | 1 | 20 | Spare | 60 | |
| _ | | Spare | 20 | 1 | | 0.000 | 0.000 | 0.000 | | | 1 | | Spare | 62 | ₩ |
| _ | | Spare Spare | 20 20 | 1 | | | 0.000 | 0.000 | 0.000 | 0.000 | 1 | 20 | Spare | 64 66 | \vdash |
| _ | | Space | | <u>'</u> | 0.000 | 0.000 | | | 0.000 | 0.000 | | | Spare Space | 68 | |
| _ | 69 | Space | | = | 0.000 | 0.000 | 0.000 | 0.000 | | | | | Space | 70 | _ |
| _ | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | | | Space | 72 | _ |
| - | | | | | 0.000 | 0.000 | | | 0.000 | 0.000 | | | Space | 74 | |
| - | | | | | | | 0.000 | 0.000 | | | | | Space | 76 | - |
| - | | | | | | | | | 0.000 | 0.000 | | | Space | 78 | |
| - | | | | | 0.000 | 0.000 | | | | | | | | 80 | |
| - | | Space | | | | | 0.000 | 0.000 | | | 3 | 30 | SPD | 82 | |
| - | 83 | Space | | | | | | | 0.000 | 0.000 | | | | 84 | \perp |
| | | Connected Phase | , | , | | 146 | | 153 | 64. | | | | | | |
| | | Connected Phas | | | | 2.462 | | .187 | 534. | | | | | | |
| | | lassification | | | ted Loa | id De | mand F | | | nd Load | | | Panel Totals | | |
| | PMEN | NT | | | 0.00 W | | 100.00% | | | 0.00 W | | | • | | |
| | ING | | | | 00.00 W | | 100.00% | | | 00.00 W | | | Connected Load (KVA): 195.481 | | |
| otor | | | | | 5.00 W | | 104.43% | | | 1.00 W | | | al Demand Load (KVA): 196.172 | | |
| her | | | | | 0.00 W | | 100.00% | | | .00 W | | 10 | tal Demand Current (A): 545 | | |
| :CE /AC | PTAC | JLE | | | 00.00 W | | 86.23% | | | 0.00 W 1.00 W | | | | | |
| VAC QUI | | | - | | 6.00 W | | 107.67% | | | | | | | | |
| ĮUΙ | <u> </u> | | - | 50 | .00 W | | 100.00% | | 50. | 00 W | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | - | | | | |
| | | ynotes (KN): | | | | | | | | | | | | | — |



1 ELECTRICAL ONE-LINE DIAGRAM
N.T.S.



2 FIRE ALARM RISER N.T.S.

ittal - Bid Set

100% CD Submit

E4.1

NOVEMBER 10, 202

STEPHEN B. COTTON, P.I

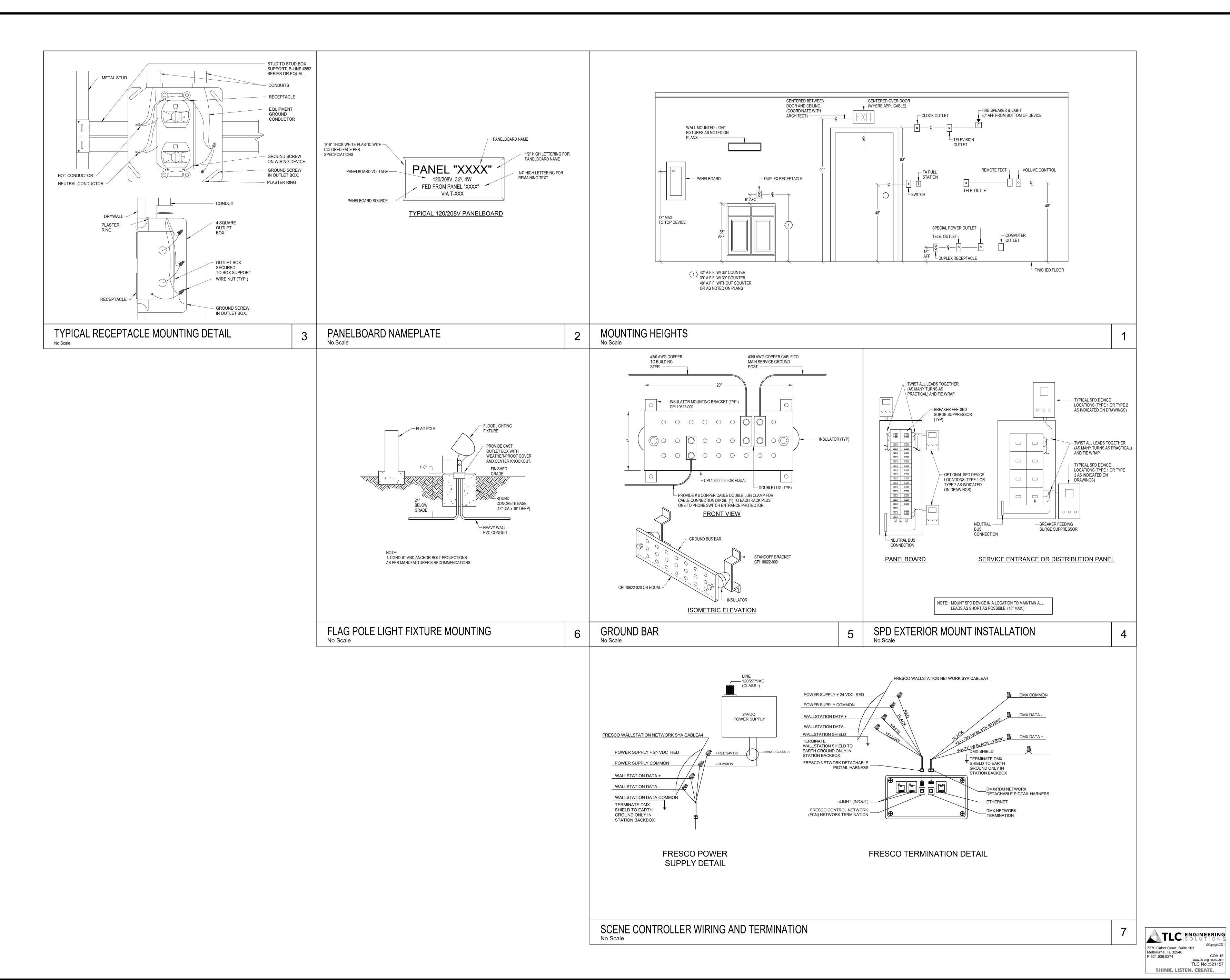
PE License #60046

No 60046

STATE OF

5/3/2022 11:12:39 AM

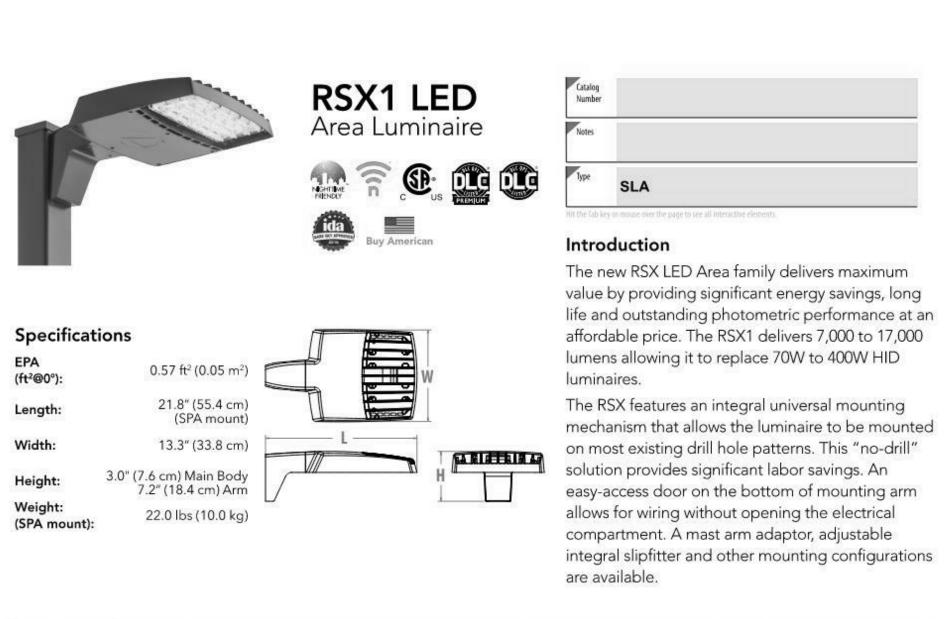
7370 Cabot Court, Suite 103
Melbourne, FL 32940
P 321.636.0274
COA 15
www.tlc-engineers.com
TLC No.:521157
THINK. LISTEN. CREATE.

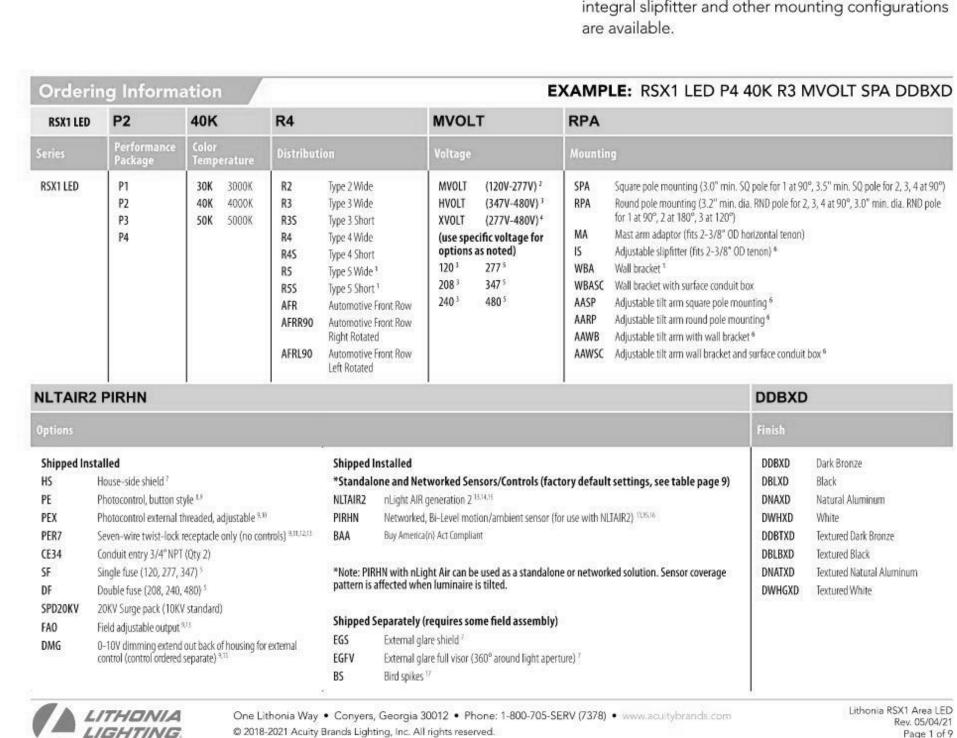


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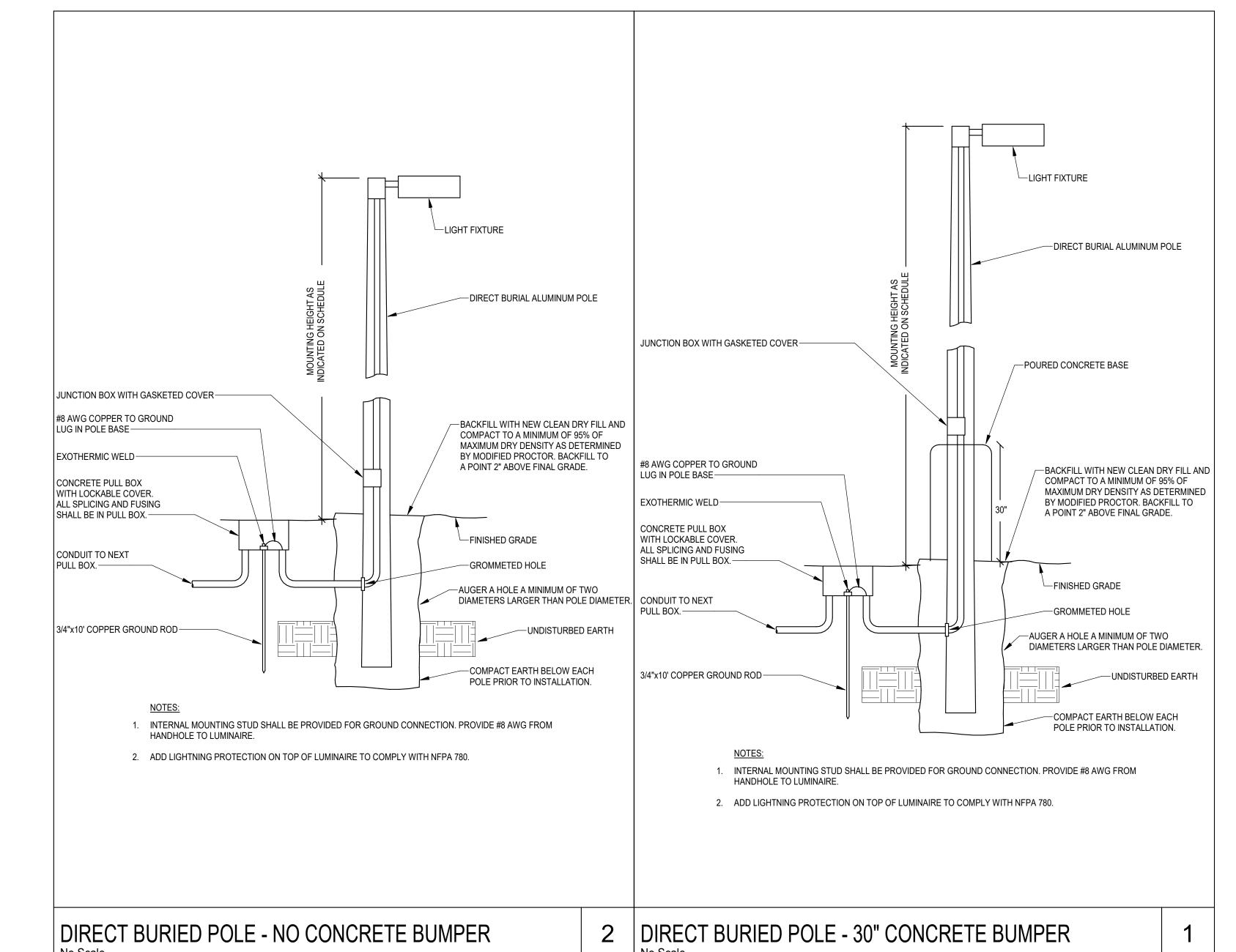
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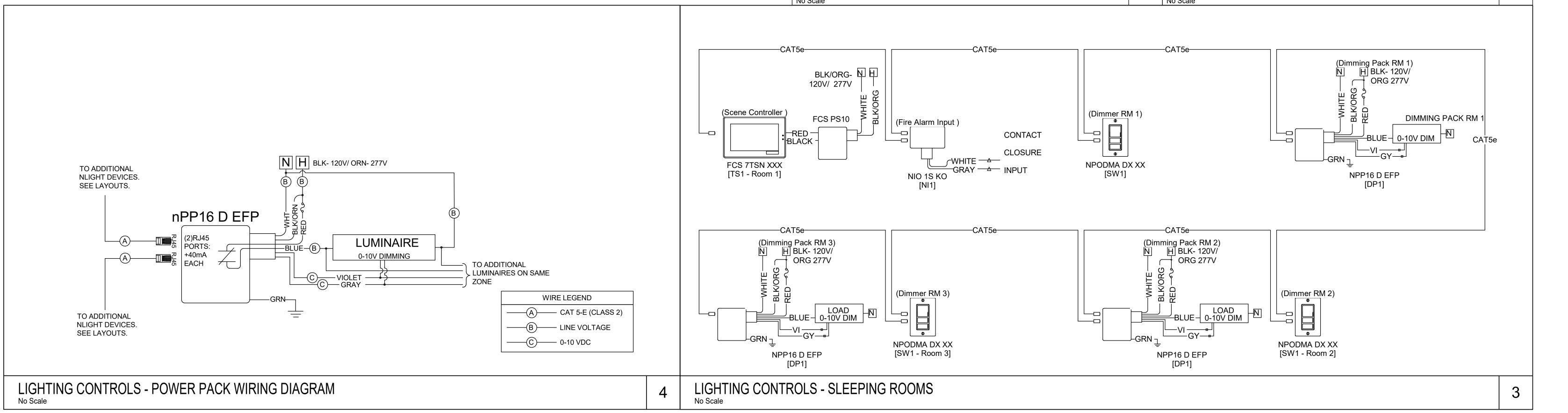




COMMERCIAL OUTDOOR

BIM 360://20073A - Lake County Fire Station 71/521157_Lake Co FS 71_MEP_R18.rvt





Melbourne, FL 32940 P 321.636.0274 www.tlc-engineers.com TLC No.:521157 THINK, LISTEN, CREATE,

COUNTY ATION NO.71 CAL DETAILS

NOVEMBER 10, 202

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No 60046

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5/3/2022 11:12:43 AM