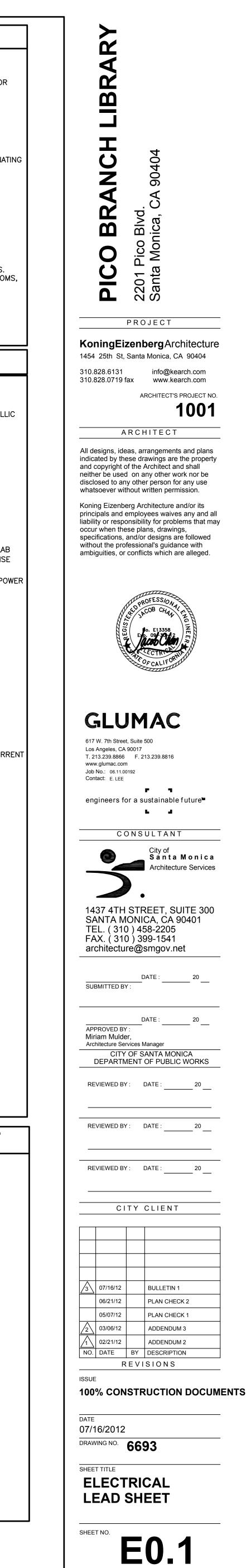
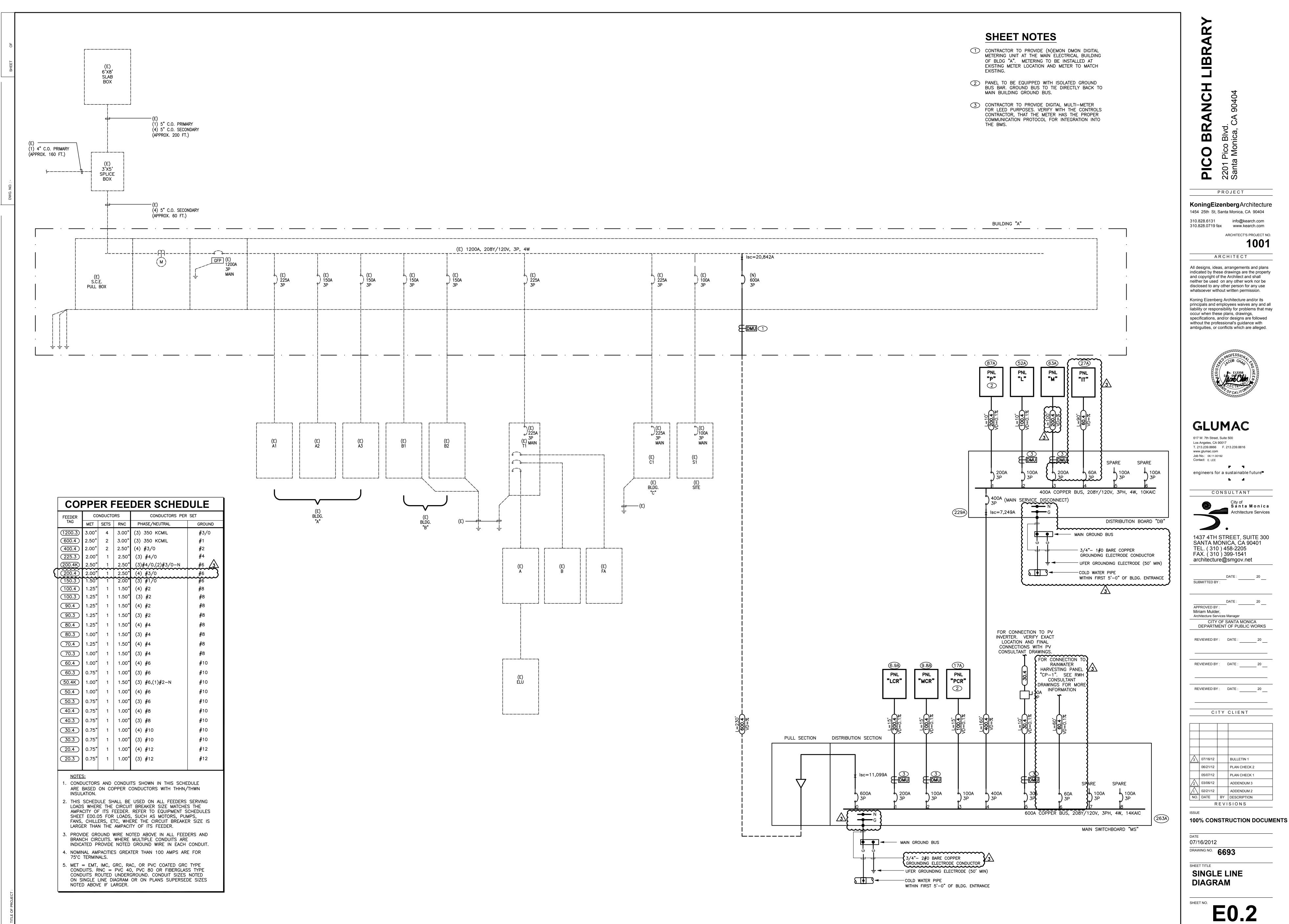
| | ELECTRICAL NOTES | NOTE: IF CONFLICTS OCCUR BETWEEN DRAWING SPECIFICATION AND BOOK SPECIFICATION, THE MORE STRINGENT OF THE TWO SHALL BE USED. |
|--|---|--|
| 1. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT A COMPLETE AND WORKABLE ELECTRICAL INSTALLATION BE PROVIDED FOR THE EQUIPMENT DESCRIBED OR SHOWN AS BEING IN THIS CONTRACT. PROVIDE LABOR AND TOOLS NECESSARY AND | SIZE OF CONDUIT (INCHES) NUMBER OF CONDUITS IN RUN LOCATION MAXIMUM SUPPORT SPACING (FEET) | 25. WIRING AND CONNECTIONS SHALL BE TESTED FOR CONTINUITY, GROUNDS, SHORT CIRCUITS, AND OTHER DEFECTS BEFORE ANY EQUIPMENT OR FIXTURES ARE CONNECTED THERETO. CABLES SHALL BE CHECKED FOR CONTINUITY, SHORTS, INSULATION |
| INSTALL APPARATUS, MATERIALS, AND EQUIPMENT IN A FASHION COMPLYING WITH ALL APPLICABLE CODES, INCLUDING ITEMS REQUIRED BUT NOT NECESSARILY SHOWN, SUCH AS LAMPS, COUPLINGS, HANGERS, BRACKETS, CLAMPS, BOXES, CONNECTORS, | 3/4 1 OR 2 ON A FLAT CEILING/WALL 5 WHERE IT IS DIFFICULT TO 0 | RESISTANCE, AND PROPER PHASING. CONTRACTOR SHALL TERMINATE ALL CABLES & WIRES WITH TERMINAL LUGS (SUPPLIED BY CONTRACTOR). |
| AND HARDWARE. 2. EXAMINE ALL CONTRACT DOCUMENTS AND VERIFY ALL | 3/4 1 OR 2 PROVIDE SUPPORTS EXCEPT AT INTERVALS 7 FIXED BY BUILDING | 26. INSULATION SHALL BE TESTED BEFORE AND AFTER INSTALLATION, AND BEFORE ENERGIZING. |
| DIMENSIONS AND CONDITIONS, SUCH AS CABINETS, BEAMS, FURRING, DOOR SWINGS, DUCTS, PIPES, CEILINGS AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE GENERAL CONTRACTOR PRIOR TO COMMENCING ANY WORK. SWITCHES, | CONSTRUCTION 3/4 3 OR MORE ANY LOCATION 7 1 & LARGER 1 OR 2 ON A FLAT CEILING/WALL 6 | A) RUBBER INSULATION SHALL BE TESTED FOR ACCEPTANCE BY APPLYING DIRECT CURRENT POTENTIAL NOT OVER 3 TIMES THE RATIO OF DIRECT CURRENT TO 60% OF EQUIVALENT "RMS" ALTERNATING CURRENT FACTORY TEST |
| CONTROLS, ACCESS DOORS ON ELECTRICAL EQUIPMENT, SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING AND REPAIRING. | WHERE IT IS DIFFICULT TO PROVIDE SUPPORTS 1 & LARGER 1 OR 2 EXCEPT AT INTERVALS 10 | VOLTAGE FOR 5 MINUTES. B) VARNISHED CAMBRIC, PAPER, AND OTHER INSULATION SHALL |
| 3. REFER TO MECHANICAL DRAWING AND OTHER MANUFACTURERS INFORMATION WIRING DIAGRAMS FOR ITEMS AND DEVICES TO BE FURNISHED, INSTALLED AND/OR CONNECTED BY ELECTRICAL | FIXED BY BUILDING CONSTRUCTION 1 & LARGER 3 OR MORE ANY LOCATION 10 | BE TESTED IN THE MANNER DIRECTED BY AND UP TO THE LIMITS RECOMMENDED BY THE MANUFACTURER. C) INSULATION RESISTANCE SHALL BE TESTED BY MEGGER OF |
| CONTRACTOR FOR A COMPLETE AND OPERABLE HEATING, VENTILATING AND AIR CONDITIONING SYSTEM AND OTHER EQUIPMENT. VERIFY EXACT LOCATION OF EQUIPMENT AND CONDUIT TERMINATION AT EQUIPMENT WITH MECHANICAL, | E) SPACING OF SUPPORTS FOR EXPOSED VERTICAL CONDUIT RUNS SHALL BE AS FOLLOWS. | NOT LESS THAN 600 VOLTS OUTPUT FOR CIRCUITS 480 VOLTS AND LESS. ANY CIRCUIT SHOWING AN INSULATION RESISTANCE OF LESS THAN 1 MOHM SHALL BE INVESTIGATED AND THE WEEK POINT CORRECTED. CORRECT |
| PLUMBING AND MANUFACTURES SUB-CONTRACTOR. PROVIDE CONDUITS AND JUNCTION BOXES FOR CONTROL WIRING AND THERMOSTATS AND OTHER CONTROL DEVICES. THE CONTRACTOR | SIZE OF CONDUIT (INCHES) MAXIMUM SUPPORT SPACING (FEET) | OR REPLACE ANY CIRCUIT DEFECTIVE OR GROUNDED AND MAKE WIRE-BY-WIRE TEST. |
| SHALL EXTEND WIRING FROM LOCAL DISCONNECT SWITCHES TO ALL MOTORS. 4. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND | 3/4 7 1 AND 1-1/4 8 | 27. THE ENTIRE SYSTEM SHALL BE PLACED IN PROPER OPERATING CONDITION. A) OVERLOAD DEVICES SHALL BE ADJUSTED AND SET TO SUIT |
| INDICATE THE LOCATION OF OUTLETS AND EQUIPMENT AND THE CIRCUIT ARRANGEMENT OF THE REQUIRED WIRING, AND THOUGH NOT NECESSARILY INDICATING THE ACTUAL ROUTES OF CONDUITS, | 1-1/2 AND LARGER10F) ELECTRICAL ENCLOSURES SHALL BE FURRED FROM OUTSIDE | THE LOADS WHICH THEY CONTROL. B) LOADS ON ALL PARTS OF SYSTEMS SHALL BE BALANCED, |
| THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS PROPER COORDINATION WITH THE WORK OF OTHER TRADES AND SPACE WILL PERMIT. SIMPLIFY INSTALLATION WHEREVER POSSIBLE BUT SUBJECT TO APPROVAL OF THE ENGINEER FOR VISUAL AND | WALLS OF WET AREAS. 10. EXACT LOCATION OF EQUIPMENT AND OUTLETS SHALL BE VERIFIED IN FIELD. COORDINATE INSTALLATION OF ELECTRICAL | INSOFAR AS IS PRACTICAL. C) ALL CHANGES SHALL BE MADE THAT ARE NECESSARY FOR ADJUSTING, SETTING AND BALANCING. |
| STRUCTURAL REASONS. IT IS NOT WITHIN THE SCOPE OF THE DRAWINGS TO SHOW NECESSARY OFFSETS, BENDS, PULL BOXES AND OBSTRUCTIONS. THE DRAWINGS ARE NOT INTENDED TO BE SCALED AND THE ELECTRICAL CONTRACTOR SHALL REFER TO THE | SYSTEM WITH THAT OF ALL OTHER TRADES. PRIOR TO COMPLETION OF AFFECTED WORK, ELECTRICAL CONTRACTOR SHALL INSTRUCT THE OWNER ON THE USE AND MAINTENANCE OF | D) PHASE ROTATION AT ALL BUSES, PANELS, SWITCHBOARD ETC., SHALL BE CHECKED TO SEE IF IT CONFORMS WITH |
| ARCHITECTURAL CONSTRUCTION DRAWINGS FOR DIMENSIONS. 5. THE ELECTRICAL WORK SHALL BE INSTALLED IN STRICT | THE ELECTRICAL SYSTEM. CONTRACTOR SHALL INCLUDE ALL THE ELECTRICAL EQUIPMENT, LIGHT LUMINAIRES TO BE RELOCATED WITHIN 20 FEET RADIUS BOTH HORIZONTAL AND VERTICAL FROM WHERE THE DEVICES ARE SHOWN ON THE DRAWINGS. | RECOGNIZED STANDARDS. E) GROUND TESTS SHALL BE MADE WITH THE 3 ELECTRODE "AC" OR "DC" VOLTAGE DROP METHOD TO ESTABLISH INITIAL |
| COMPLIANCE WITH NEC 2005, CEC 2007, LAEC 2008, T-24 REGULATION AND ORDINANCES, AND AUTHORITIES HAVING JURISDICTION. | 11. PROVIDE A CODE APPROVED DISCONNECT SWITCH OR BREAKER WITHIN SIGHT OF EVERY MOTOR. FOR MOTORS NOT EQUIPPED | READINGS FOR RECORDS, AND TO ASCERTAIN THAT THEY MEET DESIGN AND CODE REQUIREMENTS. |
| 6. ERECT AND MAINTAIN SUITABLE BARRIERS, PROTECTIVE DEVICES, LIGHTS AND WARNING SIGNS WHERE REQUIRED FOR THE PROTECTION OF THE PUBLIC AND EMPLOYEES ABOUT THE | WITH "BUILT IN" PROTECTION, PROVIDE MAGNETIC OR MANUAL MOTOR STARTER WITH OVERLOAD HEATERS, SIZED TO COMPLY WITH MOTOR MANUFACTURERS RECOMMENDATIONS AND APPLICABLE CODES. VERIFY FUSE SIZE WITH MANUFACTURER | F) CONTROL CIRCUITS SHALL BE CHECKED OUT FOR PROPER FUNCTIONING AND FAIL—SAFE QUALITIES. G) RECEPTACLES SHALL BE CHECKED OUT FOR CORRECT AND |
| BUILDING. 7. WHEN CONCRETE WORK IS INCLUDED IN THE SCOPE OF WORK, THE MATERIALS, PROPORTIONING, MIXING, CONVEYING, PLACING, | RECOMMENDATIONS. 12. SIZE OUTLET BOXES IN CONFORMITY WITH CODE FOR NUMBER | CONSTANT PHASE POSITION, AND GROUNDED RECEPTACLES SHALL BE TESTED FOR LOCATION AND EFFECTIVENESS OF GROUNDED PIN. |
| CURING AND PROTECTION OF THE CONCRETE WORK SHALL BE IN ACCORDANCE TO "ACI" STANDARD 301. | AND GAUGE OF CONDUCTORS THEREIN. EXCEPT WHERE NOTED TO BE LARGER, MINIMUM BOX SIZE SHALL BE 4" SQUARE BY 1-1/4" DEEP. JUNCTION BOXES SHALL BE LABELED WITH RESPECTIVE CIRCUIT NUMBERS. | H) LIGHTING SWITCHING SHALL BE TESTED FOR CORRECT OPERATIONS ESPECIALLY WHERE 3 AND 4 WAY OPERATION IS DESIGNATED. |
| 8. UNLESS OTHERWISE SHOWN OR SPECIFIED, CONDUIT SHALL BE CONCEALED IN WALLS OR ABOVE FINISHED CEILING.A) CONCEALED CONDUIT SHALL BE RUN IN AS DIRECT A LINE | 13. OUTLET BOXES SHALL BE FLUSH WITH THE FINISHED SURFACE OF WALLS AND CEILINGS OF COMBUSTIBLE MATERIALS. | I) CONTROL DEVICES SUCH AS LIMIT SWITCHES, LEVEL CONTROLS, PRESSURE CONTROLS, THERMOSTATS, SHALL BE SET FOR OPERATING CONDITIONS. COORDINATE WITH |
| AS POSSIBLE. BENDS SHALL BE OF LONG SWEEP TYPE. B) EXPOSED CONDUIT SHALL BE RUN PARALLEL TO, OR AT | 14. OPENINGS IN BOXES, CONDUIT BODIES AND FITTINGS SHALL BE ADEQUATELY CLOSED. | MECHANICAL CONTRACTOR. J) RUNNING LOADS OF MOTORS SHALL BE CHECKED AGAINST |
| RIGHT ANGLES WITH THE LINES OF THE BUILDING. BEND SHALL BE FREE FROM DENTS OR FLATTENING. CONDUIT SHALL BE SUPPORTED AND SECURELY FASTENED. | 15. SURFACE MOUNTED BOXES AND CABINETS MOUNTED IN WET AND DAMP LOCATIONS SHALL BE WEATHERPROOF AND SHALL HAVE AT LEAST 1/4 INCH AIR SPACE BETWEEN THE BOX AND MOUNTING | NAMEPLATE DATA. OVERLOADS SHALL BE REPORTED. 28. NO PIPING DUCT OR EQUIPMENT FOREIGN TO ELECTRICAL SHALL BE PERMITTED TO BE LOCATED WITH THE DEDICATED SPACE |
| C) CONDUIT SHALL BE INSTALLED AS A COMPLETE SYSTEM BEFORE WIRE OR CONDUCTORS ARE PULLED IN. D) CONDUIT SHALL BE INSTALLED ENTIRELY FREE FROM OTHER | SURFACE. 16. ENTRANCE TO ROOMS AND OTHER GUARDED LOCATIONS THAT CONTAIN LIVE PARTS SHALL BE MARKED WITH A CONSPICUOUS | ABOVE THE ELECTRICAL EQUIPMENT. 29. ALL NEW ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY |
| PIPING, VALVES OR OTHER MECHANICAL EQUIPMENT, AND SHALL NOT BE INSTALLED WITHIN 6 INCHES OF HOT WATER OR STEAM PIPING OR HEATING FLUES. | WARNING SIGN FORBIDDING UNQUALIFIED PERSONS TO ENTER. 17. CUT FLOORS, CEILINGS AND WALLS AS REQUIRED FOR INSTALLATION OF ELECTRICAL WORK. APPROVED PENETRATION | OF LOS ANGELES RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT. |
| E) POCKETS OR TRAPS IN ALL CONDUIT RUNS WHERE MOISTURE MAY COLLECT SHALL BE AVOIDED. WHERE DIPS ARE UNAVOIDABLE, A PULL BOX SHALL BE LOCATED AT EACH LOW POINT IN ORDER TO PROVIDE A MEANS OF | THROUGH CONCRETE WALLS OR CEILINGS SHALL BE PROVIDED BY MEANS OF SLEEVES OR CORE DRILLING, CONTRACTOR SHALL COORDINATE WITH OTHER TRADES, INCLUDING THE STRUCTURAL ENGINEER, REGARDING CONDUITS PENETRATING STRUCTURAL SLAB AND WALL, WORK SHALL BE PATCHED AND REPAIRED AS | FIRE ALARM 1. INSTALLATION OF THIS SYSTEM SHALL COMPLY WITH ALL APPLICABLE GOVER THIS TYPE OF SYSTEM AS ENFORCED BY THE LOCAL "AUTHORITY HAVING |
| DRAINAGE. F) THE CONDUIT SYSTEM AND CONDUCTING WIRE ENCLOSURES SHALL BE SECURELY BONDED TOGETHER SO THAT FOR EVERY CONDUCTING COMPONENT IS PROVIDED WITH A LOW RESISTANCE PATH TO GROUND. | DIRECTED BY OWNER. 18. BEFORE ORDERING THE LIGHTING FIXTURES, VERIFY WITH THE ARCHITECT, OR AT THE JOB SITE, THE EXACT CEILING BEING FURNISHED, AND PROVIDE THE NECESSARY HARDWARE FOR A | JURISDICTION". SYSTEM SHALL ABIDE BY ALL REQUIREMENTS IMPOSED BY LO JURISDICTION HAVING AUTHORITY. 2. ALL MATERIALS AND METHODS USED IN THIS INSTALLATION SHALL CONFORM |
| G) DOUBLE LOCKNUTS SHALL BE USED FOR SECURING CONDUIT AT A BOX OR CABINET UNLESS A THREADED | COMPLETE INSTALLATION. 19. INSTALL LIGHTING FIXTURES SO AS TO CLEAR PIPING, DUCTS, AIR DIFFUSERS, GRILLES, ACCESS PANELS & OTHER DEVICES, | THE APPLICABLE SECTIONS. 3. OF CALIFORNIA BUILDING, FIRE AND ELECTRICAL CODE. ARTICLE 760. |
| HUB IS PROVIDED AS PART OF THE BOX OR CABINET. H) RUNNING THREADS SHALL NOT BE USED ON CONDUIT FOR CONNECTION AT COUPLINGS. WHERE 2 LENGTHS OF | PROVIDE HANGERS TO SUPPORT FIXTURES WITHOUT CAUSING SAGGING OR DISTORTION TO THE FIXTURES, INSTALL FIXTURES SYMMETRICAL TO CEILING TILES AND OR DIMENSIONS SHOWN, | 4. PRIOR TO REQUEST FOR FINAL APPROVAL/ACCEPTANCE, PROVIDE STATEMENT COMPLIANCE AS NOTED IN CFC 901.2.1 & NFPA 72 CHAP. 4. THEN, A TE SHALL BE CONDUCTED IN THE PRESENCE OF THE ENFORCING AGENCY AND SHALL BE PASSED TO THEIR SATISFACTION. |
| CONDUIT MUST BE COUPLED TOGETHER, AND IT IS IMPOSSIBLE TO SCREW BOTH LENGTHS INTO AN ORDINARY COUPLING, THEN THE "ERICKSON" TYPE OF COUPLING MUST BE USED IN ORDER TO PROVIDE A RIGID JOINT THAT WILL BE BOTH MECHANICALLY AND ELECTRICALLY EFFECTIVE. | PROVIDE FIRE RATED ENCLOSURE OVER LIGHT FIXTURES RECESSED IN FIRE RATED WALLS OR CEILINGS. REPLACE ALL DAMAGED OR DEFECTIVE FIXTURES INCLUDING GLASSWARE, PLASTICS OR DIFFUSERS UP TO THE TIME OF FINAL INSPECTION AND ACCEPTANCE BY THE OWNER. | INSTALLER SHALL PROVIDE OWNER "RECORD DRAWING" (AS-BUILTS) PER CF 901.6.2; NFPA 72 CHAP. 4.9.10 UPON COMPLETION AND PRIOR TO ACCEPTANCE. |
| I) PROTECT CONDUIT FROM DAMAGE AND THE ENTRANCE OF WATER AND FOREIGN MATTER DURING THE CONSTRUCTION | 20. USE THHN/THWN COPPER WIRES FOR ALL BRANCH CIRCUIT WIRING WITH A SEPARATE GREEN GROUNDING CONDUCTOR. SIZE PER CEC 250-122. | 6. ALL DEVICES AND WIRING IN THIS SYSTEM ARE REQUIRED TO BE SUPERVISE FOR FAULT AND FAILURE. INSTALLER IS TO BE THOROUGHLY COMPETENT IN METHOD OF WIRING FOR SUPERVISION AS COVERED BY N.F.P.A ARTICLE 72. |
| PERIOD. WATERTIGHT STOPPERS OR CAPS SHALL BE INSTALLED IMMEDIATELY AFTER THE CONDUIT IS INSTALLED, REMOVED ONLY WHEN WIRE IS TO BE INSTALLED. | 21. TELEPHONE WIRE AND CABLE INSTALLATION, SPLICING, TERMINATING, AND EQUIPMENT SHALL BE IN CONFORMITY WITH | WELL AS CALIFORNIA ELECTRICAL CODE. ARTICLE 760. ALL WIRING MUST BE TESTED PRIOR TO CONNECTION TO CONTROL EQUIPMENT. TEST FOR: GROUN FAULT, OPEN CIRCUIT AND SHORT CIRCUIT. |
| J) THOROUGHLY CLEAN THE INSIDE OF CONDUITS TO ASCERTAIN FOREIGN MATERIALS ARE REMOVED BEFORE PULLING WIRE OR CABLE. | THE REQUIREMENTS AND SUBJECT TO APPROVAL OF THE DISTRICT'S COMMUNICATION PERSONAL. A) SIZE TELEPHONE CABINETS TO HOUSE CABLING, SPLICING, | 7. ANY PENETRATION TO FIRE RATED ASSEMBLY BY WIRING FOR THIS SYSTEM, TO BE FIRE STOPPED USING U.L. APPROVED METHOD. IF WIRING IS TO PENETRATE RATED PARTITIONS AND DETAILS OF THROUGH PENETRATIONS IS INCLUDED WITHIN THIS SET, CONTACT ENGINEERING DEPARTMENT FOR |
| K) COUPLING AND CONNECTORS USED ON ELECTRIC METALLIC TUBING SHALL BE SET SCREW TYPE, COMPRESSION FOR 2" AND LARGER. | AND WIRING. B) PROVIDE TELEPHONE CONDUIT SYSTEM SEPARATE AND INDEPENDENT FROM OTHER SYSTEMS. | APPLICABLE INFORMATION. 8. DO NOT RUN WIRING EXPOSED SO AS TO BE DAMAGED BY OCCUPANTS. US |
| L) CONDUIT SHALL BE TERMINATED WITH SUITABLE BUSHINGS OR EQUIVALENT DEVICES WHICH SHALL PROTECT THE ENCLOSED WIRES FROM ABRASION AT THE ENDS. INSULATED | 22. THE NON-CURRENT CARRYING METALLIC PARTS OF ALL ELECTRICAL EQUIPMENT AND ENCLOSURES, INCLUDING CONDUITS, SUPPORTS, CABINETS, MOTOR FRAMES, SWITCHBOARD | METALLIC RACEWAY WHEN INSTALLING BELOW 8'-0". WHEN USING METALLIC RACEWAYS FOR WIRING, ENSURE THAT THE WIRE FILL DOES NOT EXCEED TH LISTED CAPACITY AS LISTED IN C.E.C. CONDUIT NOT APPROVED AS PATH TO GROUND. USE #12 GA. TO WATER PIPE OR OTHER RECOGNIZED METHOD. |
| BUSHINGS SHALL BE USED ON CONDUIT $1-1/4$ " SIZE AND LARGER. | ENCLOSURES, CONTROL PANELS AND ASSOCIATED EQUIPMENT, WHICH ARE INSTALLED OR CONNECTED UNDER THIS CONTRACT, SHALL BE PROPERLY GROUNDED BY CONNECTION TO | " 9. WHERE PERMITTED, "OPEN WIRE" MAY BE EMPLOYED. ENSURE THAT THE JACKETED CABLE IS LISTED FOR THE INTENDED APPLICATION. WHEN SUSPEN |
| M) CONDUIT SIZES SHALL BE MINIMUM OF 3/4" AND IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE "CEC". | THE GROUNDING SYSTEM, REGARDLESS OF WHETHER OR NOT THESE CONNECTIONS ARE SHOWN ON THE DRAWINGS. A) THE GROUNDING INSTALLATION SHALL HAVE PROVISIONS FOR | JACKETED CABLE, USE CABLE FASTENERS AND SUSPENSION SYSTEMS AS REQUIRED BY CODE. 10. DEVICES USED IN THIS SYSTEM MAY HAVE STRICT REQUIREMENTS THAT GOV |
| N) IN EACH CONDUIT WITHOUT CONDUCTORS, PROVIDE ONE #12 TW PULL STRING WITH A TAG IDENTIFYING LOCATION OF OPPOSITE END. | BOTH SYSTEM AND EQUIPMENT GROUNDS AS DEFINED BY THE "CEC" THESE GROUNDING SYSTEMS ARE TO BE EFFECTIVELY INSULATED FROM EACH OTHER EXCEPT AT THE SERVICE CONNECTION. | THEIR MOUNTING HEIGHTS AND LOCATION. INSTALLER IS TO BE THOROUGHLY COMPETENT IN THE INSTALLATION OF THE DEVICES THAT ARE COVERED BY REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT AS THEY PERTAIN THE SYSTEM DESCRIBED ON THESE DRAWINGS. |
| 0) PROVIDE SLEEVES, NIPPLES, AND COUPLINGS REQUIRED FOR THE INSTALLATION OF CONDUIT. SLEEVES SHALL PROJECT 2" ABOVE FLOOR. | B) GROUNDING SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF "CEC" AND THE "NEC". LOCAL REQUIREMENTS OF THE INSPECTION AUTHORITY HAVING | 11. NOTIFICATION APPLIANCES SHALL PROVIDE MINIMUM AUDIBILITY OF 15DB ABC AMBIENT LEVELS. CONTRACTOR TO FURNISH SOUND LEVEL METER AT THE T OF INSPECTION IF REQUIRED BY THE TESTING AGENCY. NOTIFICATION APPLIA |
| P) FLEXIBLE CONDUIT SHALL BE PROVIDED TO CONNECT MOTORS ON SLIDING BASES, TO CONTROLS, AND TO VIBRATING EQUIPMENT. | JURISDICTION SHALL GOVERN IN ALL MATTERS OF INTERPRETATION. C) IF WATER SERVICE IS USED FOR GROUNDING POINT, IT | SHALL BE SYNCHRONIZED IF MORE THAN TWO DEVICES ARE EITHER SEEN ON HEARD FROM ONE LOCATION. 12. CIRCUIT DISCONNECTION MEANS SHALL HAVE RED MARKING, SHALL BE |
| 9. PROVIDE HANGERS SUPPORT AND FASTENERS AS REQUIRED. A) INSTALLATION OF HANGERS AND SUPPORTS SHALL BE MADE TO THE STRUCTURAL STEEL, MASONRY AND POURED | SHALL BE ASCERTAINED THAT THE WATER PIPING IS ELECTRICALLY CONTINUOUS AT JOINTS WITHIN 5FT OF BUILDING AND IS OF CONDUCTING MATERIAL. WATER PIPING | ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, AND SHALL BE IDENTIFIED A "FIRE ALARM CIRCUIT." THE LOCATION OF THE CIRCUIT DISCONNECTING MEAN SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT (NF |
| CONCRETE. HANGERS AND SUPPORTS SHALL NOT BE INSTALLED TO PRE-CAST CONCRETE, METAL DECKS, STEEL BRACING OR BRIDGING, PIPING OR OTHER CONDUIT. | WITH SWEATED JOINTS IN ELECTRICAL PATH SHALL HAVE SUCH JOINTS BONDED. D) WHERE GROUND CABLES ENTER AND LEAVE FERROUS | 72–2007, 4.4.1.4.2) 13. IT IS UNLAWFUL TO OCCUPY ANY PORTION OF BLDG/STRUCTURE UNTIL REQUIRED FIRE ALARM SYSTEM HAS BEEN TESTED AND APPROVED, PER CBG |
| B) FASTENERS FOR SUPPORTS AND HANGERS SHALL BE MADE WITH BEAM CLAMPS, U-BOLTS, STUD WELDING OR OTHER APPROVED DEVICES. FASTENERS FOR SUPPORTS AND DEVICES. FASTENERS FOR SUPPORTS AND DEVICES. | CONDUITS, THEY SHALL BE MECHANICALLY CONNECTED TO THE END OF THE RACEWAY. WHERE GROUND CABLE PASSES THROUGH FERROUS FLOORING OR FRAMING, CONNECTION SHALL BE MADE TO SUCH METAL. | 901.5; 3312; CFC 901.5.1; 14 |
| HANGERS TO CONCRETE SHALL BE MADE WITH ONE PIECE MALLEABLE IRON OR WROUGHT STEEL INSERTS WITH LONG RADIUS NECKS AND KEYHOLE SLOTS FOR ATTACHMENT IN FORMS, WITH SELF DRILLING TYPE EXPANSION SHIELDS WITH INSIDE THREADS AND EXPANSION PLUGS, OR WITH OTHER APPROVED TYPE DEVICES | 23. THE CONTRACTOR SHALL KEEP ALL PARTS OF THE BUILDING AND SITE FREE FROM ANY ACCUMULATIONS OF RUBBISH OR WASTE MATERIALS CAUSED BY HIS WORKMEN, AND SHALL REMOVE SUCH ACCUMULATIONS FROM THE BUILDING, SITE AND PROPERTY. JOB | 14. RECORDS OF ALL INITIAL INSPECTIONS, TESTS, MAINTENANCE REQUIRED BY REGULATION/STANDARD AND INSTALLING CONTRACTOR, TYPE OF COMPONENT INSTALLED, MANUFACTURER OF COMPONENTS, LOCATIONS NUMBER PER FLOO SHALL BE MAINTAINED ON PREMISES FOR A MINIMUM OF 3 YEARS. (CFC 901.6.2, NFPA 72 CHAP. 4.10) |
| APPROVED TYPE DEVICES. C) INSTALLATION SHALL BE SUCH SO AS TO SUPPORT CONDUIT WITHOUT SAGGING AND SHALL BE CLEAR OF THE WORK OF OTHER TRADES. PROVISION FOR EXPANSION AND CONTRACTION SHALL BE MADE | SITE SHALL BE CLEANED AT THE END OF EACH WORKING DAY. 24. THOROUGHLY CLEAN ALL PARTS OF THE EQUIPMENT AND MATERIAL INSTALLED UNDER THIS SECTION. SURFACES OF EXPOSED CONDUIT SHALL BE CLEANED OF CEMENT, PLASTER, DIRT. RUST CREASE AND OTHER FOREIGN MATTER AND BE LEFT | 15. REACCEPTANCE TESTING OF EXISTING SYSTEM SHALL BE PERFORMED IN ADHERANCE WITH NFPA 72 CHAPTER 10; CFC 901.4.1; 90720 16. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SC |
| CONTRACTION SHALL BE MADE. D) SPACING OF SUPPORTS FOR EXPOSED HORIZONTAL CONDUIT RUNS SHALL BE AS FOLLOWS. | DIRT, RUST, GREASE, AND OTHER FOREIGN MATTER, AND BE LEFT IN CONDITION SUITABLE TO THE CONTRACTOR AND ACCEPTABLE FOR PAINTING. A) EQUIPMENT FURNISHED WITHOUT SHOP APPLIED FINISH | OF WORK. |
| | SHALL BE FIELD PAINTED. B) CONCEALED SURFACES OF METAL RACKS, FRAMES, AND | |
| | BOXES SHALL BE PAINTED BEFORE MOUNTING. C) AFTER TESTS HAVE BEEN COMPLETED, CLEAN ALL LIGHTING FIXTURES AND EQUIPMENT WITH SOAP AND WATER, LEAVING | |
| | EVERYTHING IN WORKING ORDER AT THE COMPLETION OF THE ELECTRICAL WORK. | |

| | ELECTRICA |
|----------------------------------|--|
| | POWER DEVICES |
| SYMBOL | DESCRIPTION |
| Ð | DUPLEX RECEPTACLE – WALL MOUNTED AT 1 U.O.N. 20 AMP, 120 VOLT, COVER PLATE PE ARCHITECT INSTRUCTION |
| Ø | DUPLEX RECEPTACLE – CEILING MOUNTED, 2 120 VOLT, COVER PLATE PER ARCHITECT INS |
| # | DOUBLE DUPLEX RECEPTACLE – WALL MOUN 18" AFF U.O.N. 20 AMP, 120 VOLT, COVER F PER ARCHITECT INSTRUCTION. |
| 選 | DOUBLE DUPLEX RECEPTACLE – CEILING MOU AMP, 120 VOLT, COVER PLATE PER ARCHITEC |
| нØ | INSTRUCTION. SPECIAL PURPOSE RECEPTACLE -WALL MOUN |
| _ | 18" AFF U.O.N. NEMA CONFIGURATION AS NO DRAWINGS. |
| ₩ L5-15R | SPECIAL PURPOSE RECEPTACLE -CEILING MO NEMA CONFIGURATION AS NOTED ON DRAWING |
| -⊕AB "ON ALT." | RECEPTACLE TYPE SHOWN —WALL —ABOVE BACKSPLASH. SEE ARCHITECTURAL DRAWIN SHADED RECEPTACLES NOTED "ON ALT." AE |
| | CONNECTED TO ALTERNATE POWER SOURCE STANDBY, UPS, ETC.) PER CIRCUITING INDIC |
| | DUPLEX RECEPTACLE – WALL – WITH INTE GROUND FAULT CIRCUIT INTERRUPTER RECEPT. TYPE SHOWN W/ WEATHERPROOF |
| € '' €+42" | AND INTEGRAL GROUND FAULT CIRCUIT INTE RECEPT. TYPE SHOWN AT SPECIAL HEIGHT |
| -DIG | INDICATED ON DRAWINGS. ISOLATED GROUND RECEPTACLE RECEPTACLE SYMBOL TO MATCH DESCRIPTIC |
| PDU | UNDER FLOOR POWER DISTRIBUTION UNIT. |
| 0 | HAWORTH OR EQUAL. RAISED FLOOR OUTLET BOX, TYPE AS |
| | SHOWN ABOVE. OUTLET BOX TO BE COMPATIBLE WITH PDU & HAVE JUMPERED CONNECTIONS. |
| | |
| | SWITCHING CONTROLS |
| SYMBOL Sª | DESCRIPTION SWITCH, FLUSH IN WALL, TOGGLE, SINGLE- |
| S | SINGLE THROW +42"AFF U.O.N. (SUBSCRIP DENOTES UNIT CONTROLLED) SWITCH, FLUSH IN WALL, TOGGLE, TWO-PO |
| S ₂ S ₃ | SINGLE THROW +42"AFF U.O.N. SWITCH, FLUSH IN WALL, THREE WAY +42" |
| · | U.O.N. (CONNECT TO MATCHING SWITCH FO USE) |
| S4 | SWITCH, FLUSH IN WALL, FOUR WAY +42"A (CONNECT TO MATCHING SWITCH FOR 3–4 USE) |
| S _K | SWITCH, FLUSH IN WALL, KEY OPERATED + U.O.N. |
| D | FLUORESCENT DIMMER SWITCH, FLUSH IN V TOGGLE +42"AFF U.O.N., SINGLE-POLE, SINGLE-THROW. SUBSCRIPT DENOTES UNI |
| C 1 | CONTROLLED.) |
| \$ 1 | LOW VOLTAGE MOMENTARY CONTACT SWITCH +42"AFF U.O.N. SUPERSCRIPT DENOTES R NUMBER. SEE LIGHTING CONTROLS SCHED FOR MORE DETAILS. |
| S _{WP} | WEATHERPROOF SWITCH |
| S _T | MOTOR-RATED THERMAL OVERLOAD SWITCH (POLES NOTED, HORSEPOWER RATED) PHOTOCELL |
| PC TC | TIME CLOCK |
| HOS | WALL MOUNTED DUAL-TECHNOLOGY OCCUP |
| OS | CEILING MOUNTED DUAL-TECHNOLOGY OCCU SENSOR WITH INTEGRAL POWER UNITS |
| | LIGHTING CONTROL PANEL AND ASSOCIATED COMPONENTS. PROVIDE 120V OR 277V CO POWER AS REQUIRED OR AS INDICATED. |
| т ТХ | REMOTE MOUNTED LINE TO LOW-VOLTAGE |
| | TRANSFORMER. CONCEAL FROM VIEW. |
| SYMBOL | DESCRIPTION |
| | BRANCH CIRCUIT PANELBOARDS, SURFACE A RECESS MOUNTED, SOLID= 120/280V, HATCHED= 277/480V, DASHED EQUIP. = |
| | MOTOR CONTROL CENTER W/ CODE CLEARA SHOWN, DASHED EQUIP. = FUTURE |
| | TRANSFORMER WITH CODE CLEARANCES SHO |
| | SERVICE AND/OR DISTRIBUTION EQUIPMENT WITH CODE CLEARANCES SHOWN |
| Ò | CONNECTION TO MOTOR PROVIDED BY OTHE |
| | CONNECTION TO DIV. 15 FURNISHED VARIAE FREQUENCY DRIVE WITH INTEGRAL DISCONN DIV. 16 TO INSTALL VFD EQUIPMENT |
| 3 0A | DISCONNECT SWITCH, SIZE AS NOTED OR IF SHOWN SIZE PER CONNECTED MOTOR SIZE |
| F ¹ _{30A} | MOTOR DISCONNECT SCHEDULE FUSED DISCONNECT SWITCH, SIZE AS NOTE FUSE PER MANUFACTURER'S RECOMMENDAT |
| | ENCLOSED CIRCUIT BREAKER DISCONNECT SWITCH, TRIP SIZE AS NOTED. |
| \boxtimes | DISCONNECT W/ MAGNETIC MOTOR STARTER (CONTROLLER) OR CONTACTOR. SIZE PER LOAD SERVED. NEMA SIZE #1 MINIMUM. |
| \boxtimes | MAGNETIC MOTOR STARTER (CONTROLLER) OR CONTACTOR. SIZE PER LOAD SERVED. NEMA SIZE #1 MINIMUM. |
| | DIV. 16 CONNECTION TO EQUIPMENT PROVI OTHERS. SHADED = ON ALT. POWER SOUR |
| ▣ | DIV. 16 CONNECTION TO EQUIPMENT WITH INTEGRAL DISCONNECT THAT IS PROVIDED E |
| | OTHERS. SHADED = ON ALT. POWER SOUR EQUIPMENT OR TERMINAL ENCLOSURE AS N SURFACE AND RECESS MOUNTED |
| | |
| | FIRE ALARM |
| FIRE ALAR CONTRACTO | M SYSTEM TO BE DONE DESIGN-BUILD BY OR. |
| | |

 Λ

| CAL | LEGEND NOT ALL SYMBOLS, ABBREV., ETC. ARE NECESSARILY USED ON THIS PROJECT | ELECTRICAL DESIGN CRITERIA |
|---|--|---|
| | WIRING | 1. 2010 CALIFORNIA ELECTRICAL CODE (CEC) BASED ON 2008 NATIONAL ELECTRIC CODE WITH STATE AMENDMENTS. |
| | SYMBOL DESCRIPTION | 2010 TITLE 24, PART 6 CALIFORNIA ENERGY EFFICIENCY STANDARDS FOR RESIDENTIAL AND NON-RESIDENTIAL BUILDINGS. |
| TED AT 18" AFF PLATE PER | WIRING CONCEALED IN CEILING OR WALL LINE WEIGHT TOP TO BOTTOM = NEW, EXITING TO | 3. FIRE ALARM CODE VERSION USED: NFPA 2005 |
| JNTED, 20 AMP, | REMAIN, FUTURE. CONTRACTOR MAY RUN WIRING IN WALLS, UNDERGROUND, OR IN RAISED FLOOR MARK AS-BUILTS ACCORDINGLY. | 4. CALIFORNIA BUILDING CODE (CBC): 2010 |
| TECT INSTRUCTION | | 5. AMERICAN WITH DISABILITIES ACT, (ADA) 6. LIGHTING CRITERIA USED, BASED ON RECOMMENDED LEVELS BY ILLUMINATION |
| COVER PLATE | LINE WEIGHT TOP TO BOTTOM= NEW, EXISTING TO REMAIN, FUTURE | ENGINEERING SOCIETY (IES) CORRIDORS – 15 FC |
| LING MOUNTED, 20 ARCHITECT | -X X X EXISTING WIRING TO BE REMOVED | ELEVATOR PIT – 5 FC ELEVATOR MACHINE – 20 FC |
| LL MOUNTED AT N AS NOTED ON | MEDIUM VOLTAGE CONDUIT G | OFFICES – 55 FC RESTROOMS – 20 FC PARKING LOT – 2 FC |
| | GROUNDING CONDUCTOR(S) ROUTED IN CODE SIZED GROUNDING CONDUCTOR(S) ROUTED IN CODE SIZED | GARAGE – 4 FC WALKWAYS – 4 FC |
| LING MOUNTED. DRAWINGS. | HOME RUN WIRING TO INDICATED DESTINATION, 3/4"C. MIN. OR AS OTHERWISE NOTED. CONTRACTOR | 7. LIGHTING CONTROLS: A. LOW VOLTAGE CONTROLS FOR SWEEP-OFF FUNCTIONS IN OFFICE AREAS. |
| -ABOVE COUNTER DRAWINGS. | L1A-1,3 HD1A SHALL USE CIRCUIT SIZES NOTED IN RESPECTIVE SCHEDULES AND INFORMATION IN THE FEEDER AND BRANCH CIRCUIT SCHEDULES. CONTRACTOR MAY | B. OCCUPANCY SENSORS IN CONFERENCE RMS, STORAGE ROOMS, RESTROOM SMALL OFFICES. C. PHOTOCELL ON & OFF – EXTERIOR LIGHTING |
| ALT." ABOVE ARE SOURCE (EMERG., ING INDICATED | COMBINE HOMERUNS UP TO A MAXIMUM OF (6) CIRCUITS, FOLLOW CODE FOR DERATING & RESIZE | 10. POWER DENSITY IN OFFICE AREAS: 6 WATTS/SQFT. |
| VITH INTEGRAL | WIRE & CONDUIT SIZES. | 11. MAX. NUMBER OF WORKSTATIONS PER 20A CIRCUIT: 4 |
| RPROOF COVER CUIT INTERRUPTER | PROVIDE INSULATED BUSHING & PULLROPE. TELEPHONE/DATA SLEEVE THROUGH WALL, ABOVE | ABBREVIATIONS |
| HEIGHT AS | E CEILING. EXTEND TO ACCESSIBLE TILE CLG. BOTH SIDES. TERMINATE WITH BUSHINGS. (1) 1.25" CO UON. COORDINATE LOCATIONS WITH CABLE | (E) EXISTING TO REMAIN PH, Ø PHASE |
| SCRIPTION ABOVE. | INSTALLER(S) PRIOR TO ROUGH-IN. | (E)EXISTING TO REMARKFIT, © FINGE(F)FUTUREPNLPANEL(R)EXISTING TO BE REMOVED+,POSPOSITIVE |
| N UNIT. | JUNCTION BOXES, WALL, CONCELAED IN CEILING AND FLOOR MOUNTED. 4" SQ. BOX MIN., LARGER IF REQUIRED | (ER)EXISTING TO BE RELOCATEDRNCRIGID NON-METALLABABOVE COUNTER BACKSPLASHCONDUIT (PVC) |
| AS | PBPULL BOX, MIN. SIZE PER NEC., UON.Image: Image: | ACALTERNATING CURRENTRSRAPIDSTARTA, AMPAMPERESRSTREMOTESTATIONAFAMPERE (RATED)FUSEORCBFRAMETRANSMITTER |
| E MPERED | FLEXIBLE CONDUIT CONNECTION POWER CONNECTION TO DIV 15 FIRE/SMOKE DAMPER. | AFFABOVE FINISHED FLOORSECSECONDARYAFCABOVE FINISHED COUNTERSNSHEET NOTE |
| | REFER TO FSD CONNECTION DETAIL IF NOT SHOWN GROUND ROD CONNECTION | AIC EQUIPMENT SHORT CIRCUIT SPDT SINGLE POLE INTERRUPT RATING (RMS SYM. AMPS) DOUBLE THROW ALTERNATE SPST SINGLE POLE |
| _S | GROUND ROD CONNECTION WITH TEST WELL BOX | ALT ALTERNATE SINGLE THROW AS AMPERE (RATED) SWITCH SWBD SWITCHBOARD |
| _3 | LIGHTNING SYSTEM AIR TERMINAL | AT CIRCUIT BRKR TRIP SETTING (AMPS) SWGR SWITCHGEAR ATS AUTOMATIC TRANSFER SWITCH TEL TELEPHONE AUTO AUTOMATIC |
| SINGLE-POLE, UBSCRIPT | | AUX AUXILIARY UL UNDERWRITERS LAN |
| TWO-POLE | BRANCH CIRCUIT WIRING LEGEND —— 3/4" CONDUIT WITH 2#12 WIRES AND 1#12 GND. | AWG AMERICAN WIRE GAUGE UON UNLESS OTHERWISH BAT BATTERY NOTED C CONDUIT (CIRCULAR RACEWAY) UPS UNINTERRUPTIBLE PC |
| | - HI $ 3/4$ " CONDUIT WITH 3 #12 WIRES AND 1#12 GND. | CB CIRCUIT BREAKER SUPPLY CEM CUBIC FEET PER MINUTE V VOLTS |
| AY +42"AFF WITCH FOR 3-WAY | | CKT CIRCUIT VA VOLT-AMPERES CLG CEILING W WATT |
| AY +42"AFF U.O.N. OR 3-4 WAY | -HH H $-$ 3/4" CONDUIT WITH 6#12 WIRES AND 1#12 GND. | COCONDUIT ONLYW/WITHCUCOPPERW/OWITHOUTDODIRECT CURRENTW/OWITHOUT |
| RATED +42"AFF | $\frac{\#10}{H}$ NUMBER INDICATES GAUGE OF NEUTRAL WIRE. ALL OTHER WIRES #12 UON. | DCDIRECT CURRENTWPWEATHERPROOF,DISCDISCONNECTXFMRTRANSFORMERDIADIAMETERTONE |
| USH IN WALL, | C.O. CONDUIT-ONLY WITH #12 NYLON PULL-WIRE (3/4" MINIMUM SIZE, UNLESS NOTED OTHERWISE) | DIA DIAMETER Z ZONE DIV DIVISION DP DISTRIBUTION PANEL ", IN INCHES |
| POLE, DTES UNIT | SHADED DOT INDICATES ISOLATED GROUND WIRE. SIZE | DPDT DOUBLE POLE DOUBLE THROW , FT FEET DPST DOUBLE POLE SINGLE THROW Ø PHASE |
| | | DWGDRAWING>GREATER THANE,EMERG EMERGENCY<LESS THAN |
| T SWITCH NOTES RELAY | NOTE: 1. ALL WIRING TO BE COPPER THHN INSULATION & GROUND | EF EXHAUST FAN EMT ELECTRICAL METALLIC TUBING ≥ GREATER THAN OR EQUAL TO |
| S SCHEDULES | PER NEC 250-122(B) CONCEALED IN WALL OR CEILING. | EWCELECTRIC WATERCOOLER1scSHORT CIRCUIT CURIEWHELECTRIC WATER HEATERFBOFURNISHED BY OTHERS |
| SWITCH | GROUNDING SYSTEM | FC FOOT CANDLES FF FLUSH FLOOR MOUNTED |
| ED) | SYMBOL DESCRIPTION | FLA FULL LOAD AMPERES FSD FIRE/SMOKE DAMPER |
| | G BARE GROUNDING GRID OR CONDUCTORS, UON. | FU FUSE GEN GENERATOR GFI GROUND FAULT CIRCUIT INTERRUPTER |
| COCCUPANCY NITS | GC GROUNDING CONDUCTOR(S) ROUTED IN CODE SIZED CONDUIT, UON. | GND GROUND HP HORSEPOWER |
| OGY OCCUPANCY | GROUND GRID BOND POINT 24" GROUND BAR | HPF HIGH POWER FACTOR HZ HERTZ (CYCLES PER SECOND) |
| SOCIATED 277V CONTROL | 60" GROUND BAR | IES ILLUMINATING ENGINEERING SOCIETY IG ISOLATED GROUND |
| ATED. | | KCMIL THOUSAND CIRCULAR MILS KO KNOCK OUT KW KILOWATTS |
| OLTAGE FUSED W. | REFERENCE SYMBOLS | KVA KILOVOLT–AMPERES LTG LIGHTING |
| IENT | SYMBOL DESCRIPTION 12 SHEET NOTE REFERENCE | LCP LIGHTING CONTROL PANEL MAX MAXIMUM |
| | (125.4) BRANCH CIRCUIT OR FEEDER NOMINAL AMPACITY & TYPE: REFER TO BRANCH CIRCUIT AND FEEDER | MFR MANUFACTURER MIN MINIMUM MISC MISCELLANEOUS |
| JRFACE AND BOV, EQUIP. = FUTURE | SCHÉDULES FOR WIRE AND CONDUIT SIZES & QTY. I REFER TO DETAIL NO. ON DRAWING INDICATED NOT ALL DETAIL DETAIL DEFERENCES ARE SHOWN ALL | MLO MAIN LUGS ONLY MTD MOUNTED |
| | E4.1 NOT ALL DETAIL REFERENCES ARE SHOWN. ALL DETAILS APPLY TO ALL APPLICABLE SITUATIONS, UON. | NEC MATIONAL LECTRICAL CODE |
| - | CH 1 MECHANICAL EQUIPMENT IDENTIFICATION TAG | NEMA NATIONAL ELECTRICAL MFGR'S ASSOC. NL NIGHT LIGHT (UNSWITCHED) NO NORMALLY OPEN |
| ICES SHOWN | EQUIP NAME EQUIPMENT BY OTHERS IDENTIFICATION TAG | NTS NOT TO SCALE NP NAMEPLATE |
| UIPMENT | | OD OUTSIDE DIAMETER OS OCCUPANCY SENSOR P POLE |
| BY OTHERS | DIAGRAMS SYMBOL DESCRIPTION | PB PUSHBUTTON |
| D VARIABLE DISCONNECT IT | stribul beschillen | ELECTRICAL DRAWING LIST |
| ED OR IF NOT OR SIZE AND | BUS BAR | E0.1 ELECTRICAL LEAD SHEET |
| AS NOTED. SIZE | PIPE GROUND | E0.2 SINGLE LINE DIAGRAM E0.3 TITLE 24/LIGHTING FIXTURE SCHEDULE E0.4 TITLE 24/LIGHTING |
| MMENDATIONS DNNECT | TRANSIENT VOLTAGE SURGE SUPPRESSOR | E0.4 TITLE 24/LIGHTING E1.0 ELECTRICAL SITE PLAN E2.0 ELECTRICAL POWER PLAN |
| STARTER | CURRENT TRANSFORMER | E2.1 ELECTRICAL POWER ROOF PLAN E3.0 LOWER LEVEL LIGHTING PLAN E3.1 CEILING LEVEL LIGHTING PLAN |
| ZE PER MUM. OLLER) | MMUTILITY CO. APPROVED SOCKET WITH METER INSTALLED.SQUARE = REMOTE MOUNTED | E3.2 LOWER LEVEL LIGHTING CONTROL ZONE PLAN ZIA E3.3 CEILING LEVEL LIGHTING CONTROL ZONE PLAN |
| ERVED. | DIGITAL METER UNIT. REFER TO SPECIFICATIONS. | E3.4 EMERGENCY LIGHTING PHOTOMETRIC CALCULATION E5.1 ELECTRICAL PANEL SCHEDULES E5.2 LIGHTING CONTROL DIAGRAM |
| NT PROVIDED BY ER SOURCE NOTED | △ DELTA CONNECTION | |
| NT WITH OVIDED BY | GROUNDED WYE CONNECTION | |
| ER SOURCE NOTED IRE AS NOTED, | -I CONNECTION TO GROUND | |
| | 100AT 225AF RATING | |
| | 225AF | |
| | RATING | |
| D BY | GROUND FAULT TRIP UNIT | |
| | ST SHUNT TRIP UNIT, 120VAC OR VOLTAGE AS NOTED | |
| | KEY INTERLOCK | |
| | GENERATOR | |
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| E (| (Part 3 of | | | |
| | (Part 3 of | | | |
| | | 4) | L | TG-1C |
| | | Date: | | May 7, 2012 |
| SPECTION | ENERGY | | ЭТ | |
| el controls, c) | manual day | lighting contro | ols for daylit | |
| ft2, d) shut-of m display, orn 2, in accordan | amental and | diplay case | - | |
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| J J | (See Page 2 | 2 of 4 of LTG | -1C) | |
| al verification. | The local e | nforcement a | gency deteri | mines the |
| lesign that oth | erwise com | nplies based o | on the adequ | acy of the |
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| D SPACES | | | | · |
| 46-E) | | WATTS PERSF | COMPLETE BLDGAREA | ALLOWED WATTS |
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| RT AREAS MS (2) | | 0.6 0.7 | 272 76 | 163 53 |
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| Area Catego | ry Method F | age TOTALS | 1,250 | 1,499 |
| - | - | | , | #REF! |
| | | | SFAreas | WATTS |
| Description(s) |) and Quanti | ity of Special | F Total | G ALLOWED |
| Luminaire (2) | | ach Primary | Design Watts | WATTS Smaller of |
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| | tegory Meth | - | | WATTS |
| er into Area Ca o the footnotes | | | | |
| | s on bottom | | | ļ |
| o the footnotes | s on bottomo sk w ork; pre | | addional w a | ttage |
| o the footnotes specialized tas | s on bottom o sk w ork; pre tes that are | subject to an | | - |
| | NUMBER NUMBER Units Unit | NSPECTION ENERG Number of Loca Units Loca | NUMBER OF Location in Buildir Units Location in Buildir Location in Buildir Location in Buildir Location in Buildir Location in Buildir Location in Buildir (See Page 2 of 4 of LTG I (See Page 2 of 4 of | NSPECTION ENERGY CHECKLIST Image: Constraint of the second of the se |

| PIC | O BRANCH LIBRARY (SMALL BLDG.) | | |
|----------|--|----------|----------|
| INDO | OR LIGHTING SCHEDULE and FIELD INSP | ECTI | (|
| Installa | tion Certificate, LTG-1-INST (Retain a copy and verify | torm is | ; |
| Certific | ate of Acceptance, LIG-2A (Retain a copy and verify | r torm i | S |
| Listed | arate Lighting Schedule Must Be Filled Out for Condition on this Lighting Schedule is for: | ned an | c |
| | NDITIONED SPACE | | <u>ر</u> |
| | e actual indoor lighting pow er listed below includes all i cordance with 146(a) | installe | c |
| | y for offices: Up to the first 0.2 watts per square foot culation of actual indoor lighting pow er density in acco cess of 0.2 watts per square foot is totaled below. | | |
| | LUMINAIRE (TYPE, LAMPS, BALLASTS) | | |
| А | В | C | |

| Name or Item Tag | Complete Luminaire Description (i.e. 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast) | Special Features |
|---------------------|--|------------------|
| RZ1 | RECESSED LINEAR 2 LAMP T5 | |
| SF1 | SURFACE MOUNTED T-5 FLOURESCENT | |
| RD1 | RECESSED WARM LED 4" | |
| PF1 | PENDANT MOUNTED SINGLE LAMP | |
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| CONDITIONED AND UNCONDITIONED SP | AC | E LIGHTIN | IG M |
|---|----|-----------|-------------|
| Indoor Lighting Power Conditioned Spaces | | | Inc |
| | | Watts | |
| Installed Lighting (from Conditioned LTG-1C Page 2) | | 1154 | |
| Lighting Control Credit (from Conditioned Spaces LTG-2C) | - | 0 | |
| Adjusted Installed Lighting Power | = | 1,154 | |
| Complies if Installed <= Allowed | i | #REF! | |
| Allowed Lighting Power Conditioned Spaces (from LTG-3C) | | #REF! | |
| REQUIRED ACCEPTANCE TEST | | | |

| This form is to be used by the designer and attached to the plans. |
|---|
| system, LTG-2A. The designer is required to check the acceptar |
| space shall be certied as meeting the Acceptance Requirements f |
| a certain type requires a test, list the different lighting and the num |
| Nonresidential Reference Appendices Manual describes the test. |
| section will allow the responsible party to budget for the scope of |
| of Luminaire controlled. |
| |

| Systems Acceptance. Before Occupancy Permit is granted for a |
|--|
| lighting system with controls is installed in the building or space s |
| The LTG-2A form is not considered a complete form and is not to |
| are checked and/or filled and signed. In addition, a Certificate of |
| agency that certifies plans, specifications, installation certificates |
| requirements of 10-103(b) of Title 24 Part 6. The field inspector r |
| the building can receive final occupancy. A copy of the LTG-2A |
| |

| provided to the owner of the ballang for their | Teeoras. | |
|--|----------------|----------------------------|
| | Luminaires Con | trolled |
| Equipment Requiring Testing | Description | Number of like Controls |
| | | |
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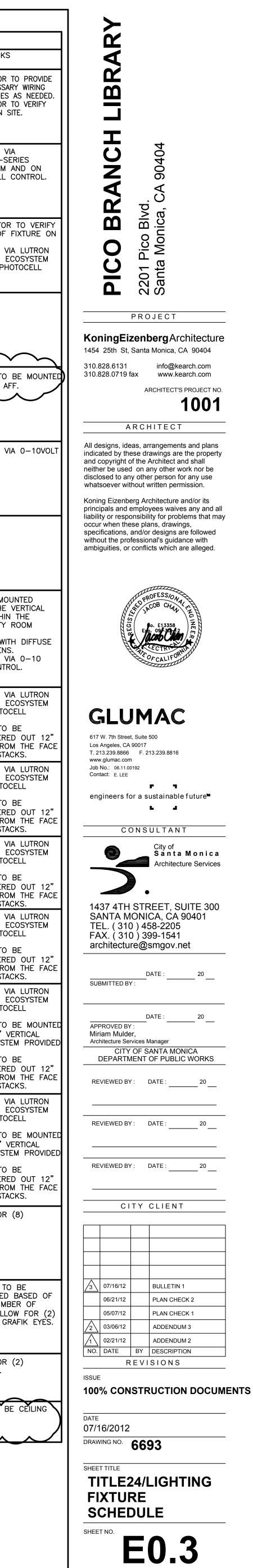
| | | | LIANCE | E (Pa | art 2 o | f 4) | | | Ľ | TG-1C |
|--|--|---|---|---|--|---|---|--|---|---|
| PIC | | LIBRARY (SMALL B | | | | | Date | F | ebruary : | 28, 2011 |
| Installa | ation Certificate | NG SCHEDULE and | opy and verity | tormi | s compi | leted and s | signed) | ST | | spector 🗌 |
| A sep Listed | arate Lighting S on this Lighting DNDITIONED | | out for Condition | ned ar | unco | nditioned : DNDITION | Spaces. Ins | E | I _ighting Po | w er |
| ac On ca | cordance with Ily for offices: Iculation of acti | lighting pow er listed belo 146(a) Up to the first 0.2 w atts p ual indoor lighting pow er atts per square foot is tota | ber square foo density in acco | t of po | rtable li | ghting sha | Ill not be requ | uired to | o be includ | |
| A | | E (TYPE, LAMPS, BALLA B | | С | D | I | INSTALLED | F | IS G | |
| Name or Item Tag | · · | e Luminaire Description (i. | | Special Features | s per Luminaire | CEC Default | According | Number of Luminaires | Installed Watts (DxF) | Field Inspector (2) |
| RZ1 | RECESSED LII | roffer, F32T8, one dimma ballast) NEAR 2 LAMP T5 DUNTED T-5 FLOURESCEN | | Spec | 96 96 | from NA8 X | to 130 (d or e) | un _N 8 | 768 96 | Fail Pass |
| RD1 PF1 | RECESSED W | | | | 22 30 | | | 5 6 | 110 180 | |
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| | | Building total num | per of pages: | |] | | LED VVATIS | BUILD Sum of | ING TOTAI f all pages | 1 1154 1 |
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| | | ompliance Forms | | = | (P- | rt 4 of 4 | .) | | | |
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| | (from Cond | Installed Lighting ditioned LTG-1C Page 2) Lighting Control Credit itioned Spaces LTG-2C) | 1154 - 0 | | | from Unco | onditioned L Lighting Inditioned Sp | TG-1C Contr paces | ol Credit LTG-2C) | 0 - 0 |
| | Complies it | Istalled Lighting Power f Installed <= Allowed Allowed Lighting Power d Spaces (from LTG-3C) | = 1,154 #REF! #REF! | | | Compli | d Installed es if Install Allowed ned Spaces | ed <= Lighting | Allowed gPower | = 0 <u>VES</u> 0 |
| Desi | UIRED ACC | EPTANCE TEST ed by the designer and a | ***** | | | | | | | 1 : |
| a cert Nonre sectio of Lu Enfor Syste lighting The L are ch agenc requir | ain type require sidential Refer on will allow the minaire cont rcement Age ms Acceptanc g system with TG-2A form is necked and/or t sy that certifies ements of 10-7 | | t lighting and the describes the dget for the sc ermit is granted building or sp the form and is sion, a Certificat stallation certif The field inspe | he nur e test. cope o d for a bace s not to ate of icates ector r | nber of Since t f work newly hall be of be acc Accepta , and op nust rec | systems. his form v appropriat construct certified a cepted by ance form perating a ceive the p | The NA7 So vill be part of tely. Form s red building of s meeting the the enforcer is shall be su nd maintena properly filled | ection f the p s can t or space e Acco ment as ubmitte ance in d out a | in the App ilans, com be group ce or whe eptance R gency unli- d to the el iformation ind signed | endix of the oletion of this ed by type n ever new equirements. ess the box es nforcement meet the forms before |
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| 2008 N | onresidential C | ompliance Forms | | | | | | | | JULY 2010 |
| Proje | ect Name: | DRY MEASUR | | | | | | | | |
| | §131(d) | BUILDING SH THE BUILDING AUTOMATIC 1 | | | | | | | | |
| | §131(c) | OVERRIDE FO THE AUTOMA MANUAL, ACO THE AREA OF | DR BUILDI TIC BUILDII CESSIBLE (| NG LI NG S OVEI | gh tii Hut-c Rride | NG SHU DFF SYS | IT -OFF STEM IS F | PROV | (IDED W | |
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| | §131(c) | INDIVIDUAL F EACH ROOM SEPARATE S WITH FLOOR | AND AREA WITCH OR | IN T OCC | HIS B | UILDING | | | | |
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| | §131(c) | OF LIGHTING DAYLIT AREA ALL ROOMS A WINDOWS A | CONTROL THAT ARE (ND SKYLIG | .: GRE/ HTS, | ATER THAT | ALLOW | FOR TH | E EFI | FECTIVE | E USE OF |
| | §131(c) | DAYLIGHT IN EACH DAYLIT THE EFFECTI BECAUSE TH ON THE ADJA | AREA COI VE USE OF E WINDOW CENT LOT. | NTRO F DA` /S AF | OLLED YLIGH RE CC GRAM |) BY A S T CANN NTINUC I OF SH | EPARATI OT BE AC DUSLY SH ADING DU | E SW CCON HADE | /ITCH; C /IPLISHE D BY A | R D BUILIDING |
| | §131(e) | TIMES OF TH | HTING: | | | | | | | |
| | | DISPLAY LIG THAT ARE 20 | | | | PARATE | LY SWIT | | ON CIF | KCUITS |

| PE | DESCRIPTION | LOCATION | LIGHTING FIXTURE SCHEDULE MANUFACTURER & CATOLOG # | NUMBER OF LAMPS & TYPE | TOTAL WATTS | VOLTAGE | REMARKS | TYPE | DESCRIPTION | LOCATION | LIGHTING FIXTURE SCHEDULE MANUFACTURER & CATOLOG # | NUMBER OF LAMPS & TYPE | TOTAL WATTS | VOLTAGE | REMARKS |
|------|--|--------------------------------|--|--|----------------|---------|--|-------|--|------------------------------------|--|---|-----------------|---------|---|
| | POLE MOUNTED METAL HALIDE WALKWAY FIXTURE | | LITHONIA AS-1-150M-SR3-RPA-SCWA-DNA-L/LP POLE: RTA-20-5C-DNA | PHILIPS | 180W | 120V | INSTALLATION TO MATCH EXISTING POST TOPS IN THELMA TERRY PARKING LOT IN ALL RESPECTS. ROTATE OPTICS TO | | SURFACE MOUNTED WARM WHITE LINEAR WITH FROSTED LENS SUITABLE FOR EXTERIOR APPLICATIONS | | TIVOLI LIGHTING LED STRIP: TBL-O-WWH-2-MD-12-PSU MOUNTING ACCESSORY: | WARM WHITE LED INCLUDED | 1.15W /FT. | | CONTRACTOR TO ALL NECESSARY ACCESSORIES A CONTRACTOR TO LENGTH ON SIT |
| 1 | NOT USED. | | | OR = BY GE | | | MATCH DIRECTION AS SHOWN IN PLANS |) SF1 | SURFACE MOUNTED LOW PROFILE 4'-0" T5 FLUORESCENT STRIPLIGHT WITHIN VOCE WITH LUTRON ECOSYSTEM DIMMABLE BALLAST | GROUP STUDY ROOMS | TPL-TUBE-F-LENGTH LIGHTOILER SN-4-S-1-28-HPF-VOLTS- LUTRON H-SERIES ECOSYSTEM BALLAST | PHILIPS (1)F28T5/ADV830 /ALTO OR EQUAL BY: GE, SYLVANIA | ALLOW 7W/FT. | 120V | DIMMABLE VIA LUTRONH-SEI ECOSYSTEM A PHOTOCELL C |
| | SURFACE MOUNTED WARM WHITE 3000K LINEAR LED DOUBLE RAIL TABLE LAMP PERMANENTLY MOUNTED ON TABLES | EASTERN READING AREAS | VODE 517-RR-L07-SA-30-A 3 | WARM WHITE LEDS INCLUDED | 3.4W | | PROVIDE FIXTURE WITH A-B SWITCHING TO CONTROL EACH RAIL INDIVIDUALLY. | SF1c | SURFACE MOUNTED 3'-0" 21 WATT LINEAR T5 FLUORESCENT STRIPLIGHT WITHIN COVE WITH LUTRON ECOSYSTEM DIMMABLE BALLAST | | H-SERIES ECOSYSTEM BALLAST | PHILIPS (1)F21T5/ADV830 /ALTO OR EQUAL BY: GE, SYLVANIA | 21W | 120V | CONTRACTOR LENGTH OF I SIGHT. DIMMABLE VIA H-SERIES EC AND ON PHO CONTROL. |
| 2 | SURFACE MOUNTED WARM WHITE 3000K LINEAR LED SINGLE RAIL TABLE LAMP PERMANENTLY MOUNTED ON TABLES | READING DESKS | VODE 507-RR-L28-SA-30-A | WARM WHITE LEDS INCLUDED | 16.8W | 120V | | SF2 | SURFACE MOUNTED 28 WATT T5 FLUORESCENT UNDER CABINET STRIPLIGHT | STAFF ROOM AND LOUNGE | HE WILLIAMS 1SF-4-128T5S-A12125-EB1-VOLTS | PHILIPS (1)F28T5/ADV830 /ALTO OR EQUAL BY: GE, SYLVANIA | ALLOW 7W/FT. | 120V | |
| | SURFACE MOUNTED 28 WATT LINEAR T5 FLUORESCENT 4" BY 4' RECTANGULAR WET LABELED DOWNLIGHT WITH ACRYLIC LENS | ARBOR | AXIS LIGHTING WBS-F-4-T5-1-FINISH-VOLTS-ERS-1- SC-TF | PHILIPS (1)F28T5/ADV830 /ALTO OR EQUAL BY: GE, SYLVANIA | 28W | 120V | | WC1 | WALL MOUNTED (2) LAMP 26 WATT COMPACT FLUORESCENT VANITY LIGHT | RESTROOM | LOUIS POULSEN AJE-17.7-2/26/CF-VOLTS-WHT-WALL | PHILIPS (2)PL-C 26W/830/ALTO OR EQUAL BY: GE. SYLVANIA | 42W | | FIXTURE TO AT 5'-6" AF |
| | IN-GRADE RECESSED WARM WHITE 2900K LED UPLIGHT WITH 10.3" ROUND APERTURE, 20 DEGREE ADJUSTABILITY, AND MEDIUM BEAM DISTRIBUTION | EXTERIOR SIGNAGE | LUMASCAPE LS853LED-20H6-A-M-82-M-29-Q-VOLTS | WARM WHITE LEDS INCLUDED | 20W | 4001/ | FIXTURE TO BE INSTALLED IN CONCRETE BLOCK OUT. PROVIDE WITH LS6052-K-SP PRE-INSTALLATION KIT | WD1 | WALL MOUNTED WARM WHITE LED FLOODLIGHTS | | LUMENPULSE LBM–VOLTS–30K–FL–BK–DIM | WARM WHITE LEDS INCLUDED | ALLOW 40W | 120V | DIMMABLE VIA |
| | SPIKE MOUNTED WARM WHITE LD TREE UPLIGHT | LANDSCAPE | LUMIERE CAMBRIA 203 SERIES | WARM WHITE LEDS INCLUDED | ALLOW 30W | 120V | | WD2 | WALL RECESSED LED STEP LIGHT WITH 12.5" BY 2.75" RECTANGULAR APERTURE | LANDSCAPE STEPS | BEGA 2384 LED | WARM WHITE LED INCLUDED | 10W | 120V | |
| 2 | SURFACE MOUNTED WET LOCATION WITH WARM WHITE LED UPLIGHTS TO HIGHLIGHT FABRIC CANOPIES | EXTERIOR FABRIC CANOPIES | LUMEPULSE LBM-VOLTS-30K-FL-BK-DIM | WARM WHITE LEDS INCLUDED | 27W | 120V | DIMMABLE VIA 0-10VOLT CONTROL. | WD3 | WALL RECESSED 1000 LUMEN 3000K WARM WHITE LED ACCENT LIGHT WITH SPOT REFLECTOR WITH 8 1/2" BY 7 5/8" RECTANGULAR APERTURE WITH WHITE POWDER | COMMUNITY ROOM SKYLIGHT 3 | ARCHITECTURAL LIGHTING WORKS RCST-1-XC8030-1000-H-INT-S-VOLTS -WH-SOL | WARM WHITE LEDS INCLUDED | 15W | 120V | FIXTURE MOU WITHIN THE WALL WITHIN COMMUNITY SKYLIGHT. PROVIDE WIT SOLITE LENS DIMMABLE VI |
| 1 | PENDANT MOUNTED 26 WATT COMPACT FLUORESCENT DECORATIVE CHANDELIER, WITH LUTRON ECOSYSTEM DIMMABLE BALLAST | | LIGHTOLIER PM SERIES PM32MX1SA-PG01-GL01-SK01 | PHILIPS (1)PL-C 26W/830/ALTO OR EQUAL BY: GE. SYLVANIA | 26W | 120V | DIMMABLE LUTRON ECOSYSTEM AND ON PHOTOCELL CONTROL. | WF1 | COAT 3/4" TRIM AND DOUBLE GIMBAL RING STACK MOUNTED 28 WATT LINEAR T5 FLUORESCENT 4' STACK LIGHT WITH LOW PROFILE ASYMMETRIC | STACKS | VODE LIGHTING WG-K1-4C-ST-24-IB -B-VOLTS-0-HE-A-1-2-LUTRON ECOSYSTEM BALLAST | PHILIPS (1)F28T5/ADV830 /ALTO | 28W | 120V | VOLT CONTR DIMMABLE VI H-SERIES E AND PHOTOC CONTROL. FIXTURE TO |
| 1 | PENDANT MOUNTED 28 WATT LINEAR T5 FLUORESCENT STRIPLIGHT WITH CHAIN MOUNTING AND WIRE GUARD | SUPPORT SPACES | LIGHTOLIER SV-4-S-1-28-UNV-PG-SV5GXW4 | PHILIPS (1)F28T5/ADV830 /ALTO OR EQUAL BY: GE. SYLVANIA | 28W | 120V | | WF1a | DISTRIBUTION WITH LUTRON ECOSYSTEM DIMMABLE BALLAST SA,E AS WF1 BIT WITH 3' FIXTURE LENGTH | STACKS | VODE LIGHTING WG-K1-3C-ST-24-IB-B-VOLTS-0-HE -A-1-2- LUTRON ECOSYSTEM BALLAST | /ALTO | 21W | 120V | CANTILEVERE INCHES FRO OF THE STA DIMMABLE VI H-SERIES E AND PHOTOO CONTROL. FIXTURE TO |
| | RECESSED 1500 LUMEN 300K WARM WHITE LED DOWNLIGHT WITH 4: ROUND APERTURE | THROUGHOUT | LIGHTOLIER FRAM–IN KIT: C6L15–N–VOLTS | WARM WHITE LED INCLUDED | 27W | 120V | | WF2 | STACK MOUNTED (2) 28 WATT LINEAR T5 FLUORESCENT 4' STACK LIGHT WITH LOW PROFILE ASYMMETRIC | STACKS | VODE LIGHTING WG-K2-4C-ST-24-IB-B-VOLTS-0-HE -A-1-2- LUTRON ECOSYSTEM BALLAST | OR EQUAL BY: GE, SYLVANIA PHILIPS (1)F28T5/ADV830 /ALTO | 54W | 120V | CANTILEVERE INCHES FRO OF THE STAT DIMMABLE VI H-SERIES E AND PHOTOC CONTROL. FIXTURE TO |
| 2 | RECESSED 400 LUMEN 3000K WARM WHITE LED DOWNLIGHT WITH SMALL 2" ROUND APERTURE AND WET LABELED DOWNLIGHT WITH PAINTED WHITE TRIM | SOFFIT | LIGHTOILER FRAME–IN KIT: C2L04DL–30K–17–R–1 REFLECTOR: CL2–DL–WH–P | WARM WHITE LED INCLUDED | 10W | 120V | | WF2a | DISTRIBUTION WITH LUTRON ECOSYSTEM DIMMABLE BALLAST SAME AS WF2 BUT WITH 3' FIXTURE LENGTH | STACKS | VODE LIGHTING WG-K2-3C-ST-24-IB-B-VOLTS-0-HE3 -A-1-2- LUTRON ECOSYSTEM BALLAST | /ALTO | 42W | 120V | CANTILEVERE INCHES FROM OF THE STAN DIMMABLE VI H-SERIES EN AND PHOTOC CONTROL. FIXTURE TO |
| 3 | RECESSED 1500 LUMEN 3000K WARM WHITE LED DOWNLIGHT WITH 4" ROUND APERTURE AND GLASS TRIM | THROUGHOUT | LIGHTOLIER DECORATIVE TRIM: D6A01 FRAME–IN KIT: C6L15–N–VOLTS | WARM WHITE LED INCLUDED | 27W | 120V | | WF3 | STACK MOUNTED 28 WATT LINEAR T6 FLUORESCENT 4' STACK LIGHT WITH LOW PROFILE ASYMMETRIC | LOWER STACKS | VODE LIGHTING | OR EQUAL BY: GE, SYLVANIA PHILIPS (1)F28T5/ADV830 /ALTO | 54W | 120V | CANTILEVERE INCHES FRO OF THE STAT DIMMABLE VI H-SERIES E AND PHOTOC CONTROL. FIXTURE TO |
| F2 | RECESSED 28 WATT LINEAR T5 FLUORESCENT 4" BY 4' DOWNLIGHT WITH ACRYLIC LENS | OF HOUSE | LIGHTOLIER CT3-F-P-A-S-4-U-VOLTS | PHILIPS (1)F28T5/ADV830 /ALTO OR EQUAL BY: GE, SYLVANIA | 28W | 120V | | | DISTRIBUTION MOUNTED ON CUSTOM 15" VERTICAL STRUT SYSTEM WITH LUTRON ECOSYSTEM DIMMABLE BALLAST SAME AS WF3 BUT WITH | LOWER | STRUT: TO BE DETERMINED | OR EQUAL BY: GE, SYLVANIA PHILIPS | | | ON A 15" V STRUT SYSTI BY VODE. FIXTURE TO CANTILEVERE INCHES FRO OF THE STA |
| F3 | RECESSED 28 WATT LINEAR T5 FLUORESCENT 4" BY 4' WET LABEL DOWNLIGHT WITH ACRYLIC LENS | EXTERIOR SOFFIT | AXIS LIGHTING WBR-F-4-T5-1-W-VOLTS-ERS-1-TF | PHILIPS (1)F28T5/ADV830 /ALTO OR EQUAL BY: GE, SYLVANIA | 28W | 120V | | WF3a | 3' FIXTURE LENGTH | STACKS | VODE LIGHTING FIXTURE: WG-K2-3C-ST-24-IB-B-VOLTS-0-HE3 -A-1-2- LUTRON ECOSYSTEM BALLAST STRUT: TO BE DETERMINED | (2)F21T5/ADV830 /ALTO OR EQUAL BY: GE, SYLVANIA | 42W | 120V | H-SERIES E AND PHOTO CONTROL. FIXTURE TO ON A 15" V STRUT SYST BY VODE. FIXTURE TO |
| Z1 | RECESSED (2) LAMP 28 WATT LINEAR T5 FLUORESCENT DOWNLIGHT WITH (2) ADJUSTABLE WARM WHITE LED ACCENT LIGHTS | THROUGHOUT | PINNACLE EDGE EX4 | PHILIPS LINEAR FLUORESCENT: (2)F28T5/ADV830 /ALTO OR EQUAL BY: GE, SYLVANIA LED DOWNLIGHT: WARM WHITE LEDS INCLUDED | ALLOW 96W | 120V | DIMMABLE VIA LUTRON H SERIES ECOSYSTEM FOR FLUORESCENT LIGHTING AND ECOSYSTEM DRIVER FOR LED DOWNLIGHTS. FLUORESCENT AND DOWNLIGHT FIXTURES ON SEPARATE CIRCUITS, AND INDIVIDUALLY CONTROLLED. | CDS1 | WIRELESS DAYLIGHT SENSOR LOCATED AT CEILING PLANE AS PART OF CWS1 | THROUGHOUT | LUTRON LRFX-DCRB | NA | NA | 120V | CANTILEVERE INCHES FRO OF THE STA ALLOW FOR SENSORS. |
| Z1a | SAME AS RZ1 BUT WITH 3' LINEAR T5 FLUORESCENT DOWNLIGHT | WORKROOM | PINNACLE EDGE EX4 | PHILIPS LINEAR FLUORESCENT: (2)F28T5/ADV830 /ALTO OR EQUAL BY: GE, SYLVANIA LED DOWNLIGHT: WARM WHITE LEDS | ALLOW | 120V | DIMMABLE VIA LUTRON H SERIES ECOSYSTEM FOR FLUORESCENT LIGHTING AND ECOSYSTEM DRIVER FOR LED DOWNLIGHTS. FLUORESCENT AND DOWNLIGHT FIXTURES ON SEPARATE CIRCUITS, AND | CWS1 | WALL RECESSED ECOSYSTEM GRAFIK EYE ROOM CONTROLLER AND DIMMER WITH 4 SCENE PRESET AND INTEGRAL ASTRONOMICAL TIME CLOCK CONNECTED TO DAYLIGHT SENSORS. | THROUGHOUT | LUTRON GRAFIK EYE QS WITH ECOSYSTEM | NA | NA | 120V | QUANTITY TO DETERMINED TOTAL NUME ZONES. ALLO 16 ZONE GI |
| D1 5 | SURFACE MOUNTED WARM WHITE LINEAR LED STRIPLIGHT SUITABLE FOR EXTERIOR APPLICATIONS | BOOK DROP-OFF | TIVOLI LIGHTING LED STRIP: TBL-O-WWH-2-MD-12-PSU | WARM WHITE LEDS INCLUDED WARM WHITE LED INCLUDED | 1.15W | 120V | CONTRACTOR TO PROVIDE ALL NECESSARY WIRING ACCESSORIES AS NEEDED. CONTRACTOR TO VERIFY LENGTH ON SITE. | CWS2 | WALL RECESSED 2-BUTTON WITH RAISE/LOWER SWITCH | THROUGHOUT | LUTRON 2BLR | NA | NA | 120V | ALLOW FOR SWITCHES. SIGNS TO B |

FIXTURE SCHEDULE NOTES

CONTRACTOR TO VERIFY FIXTURE TYPES, LAMPING, AND ADDITIONAL FIXTURE INFORMATION WITH LIGHTING DESIGNER SPECIFICATIONS.

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| CERTIFICA | | JE . | (Part 1 of 4) | LTG-10 | | |
|---|---|---|--|--|--|--|
| Project Name: | | | | Date: | | |
| PICO BRANCH | I LIBRARY (LARGE BLDG.) | | | May 7, 201 | | |
| Project Address: | | | Climate ∠one | Building CHA | | |
| VIRGINIA AVE | NUE PARK | | | 12,14 | | |
| SANTA MONIC | CA, CA 90404 | | CA CLIMATE ZONE 06 | Unconditioned Floor Area | | |
| Building Type | NON RESIDENTIAL RELOCATABLE PUBLIC SCHOOLS | HIGH RISE RE | | ☐ HOTEL/MOTEL GUEST ☐ UNCONDITIONED SPACES | | |
| | | | | | | |
| Method of Complianc | | | JORY | | | |
| DOCUMENTATIC | ON AUTHOR'S DECLARATION | STATEMENT | | | | |
| * Icertify th | nat this Certificate of Compliance doc | umentation is accu | rate and complete | l. | | |
| Name | OB CHAN | Signature : | | | | |
| Company : GL | LUMAC | I | Date : | May 7, 2012 | | |
| /) ddress : | WEST 7TH STREET, 5TH FLC | DOR | EA #: | | | |
| | | | | EPE#: hone #: (213) 239-8866 | | |
| City/St/Zip : LOS | ANGELES. CA 90017-3830 | | Linono # : | (213) 239-8866 | | |
| Principal Lighting * I am eligible under design. | ANGELES, CA 90017-3830 Designer's Declaration Statem Division 3 of the California Business Compliance identifies the lighting fea | nent and Professions C | Hone # : | | | |
| Principal Lighting I am eligible under design. This Certificate of Title 24, Parts 1 ar The design feature document this design | Designer's Declaration Statem Division 3 of the California Business Compliance identifies the lighting fea and 6 of the California Code of Regulat es represented on this Certificate of sign on the other applicable compliand | nent and Professions C tures and performa ions. Compliance are co se forms, w orks he | Hone # : code to accept res ance specification Accel Chan performent with the ets, calculations, | ponsibility for the lighting is required foe compliance w formation provided to | | |
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| Principal Lighting I am eligible under design. This Certificate of Title 24, Parts 1 ar The design feature document this des submitted to the er Name : JAC Company : GL | Designer's Declaration Statem Division 3 of the California Business Compliance identifies the lighting fea and 6 of the California Code of Regulat es represented on this Certificate of sign on the other applicable compliand inforement agency for approval with COB CHAN | and Professions C tures and performa- ions. Compliance are o this building permit Signature : | Hone # : Code to accept res ance specification According Chan restore with the ets, calculations, application. | sponsibility for the lighting is required foe compliance w formation provided to plans and specifications (213) 239-8866 | | |
| Principal Lighting I am eligible under design. This Certificate of Title 24, Parts 1 ar The design feature document this des submitted to the en Name : JAC Company : GL Address : 617 | Designer's Declaration Statem Division 3 of the California Business Compliance identifies the lighting fea and 6 of the California Code of Regulat es represented on this Certificate of sign on the other applicable compliand inforement agency for approval with COB CHAN | and Professions C tures and performa- ions. Compliance are o this building permit Signature : | Hnone # : Code to accept res ance specification partent with the ets, calculations, application. Hnone # : License # : | sponsibility for the lighting is required foe compliance w formation provided to plans and specifications | | |
| Principal Lighting I am eligible under design. This Certificate of Title 24, Parts 1 ar The design feature document this des submitted to the er Name : JAC Company : GL Address : 617 City/St/Zip : LOS | Designer's Declaration Statem Division 3 of the California Business Compliance identifies the lighting fea and 6 of the California Code of Regulat es represented on this Certificate of sign on the other applicable compliand inforement agency for approval with COB CHAN LUMAC WEST 7TH STREET, 5TH FLC ANGELES, CA 90017-3830 | and Professions C tures and performa- ions. Compliance are o this building permit Signature : | Hone # : Code to accept res ance specification Accord Chan restant with the ets, calculations, application. Hone # : License # : | sponsibility for the lighting is required foe compliance w formation provided to plans and specifications (213) 239-8866 | | |
| Principal Lighting I am eligible under design. This Certificate of Title 24, Parts 1 ar The design feature document this des submitted to the er Name : JAC Company : GL Address : 617 City/St/Zip : LOS LIGHTING MANE | Designer's Declaration Statem Division 3 of the California Business Compliance identifies the lighting fea and 6 of the California Code of Regulat es represented on this Certificate of sign on the other applicable compliand inforement agency for approval with COB CHAN LUMAC WEST 7TH STREET, 5TH FLC ANGELES, CA 90017-3830 DATORY MEASURES | and Professions C tures and performa- ions. Compliance are of this building permit Signature : | Hone # : Code to accept res ance specification Accord Chan restant with the ets, calculations, application. Hone # : License # : | sponsibility for the lighting is required foe compliance w formation provided to plans and specifications (213) 239-8866 E13358 | | |
| Principal Lighting I am eligible under design. This Certificate of Title 24, Parts 1 ar The design feature document this des submitted to the er Name : JAC Company : GL Address : 617 City/St/∠ip : LOS LIGHTING MANE Indicate location on b | Designer's Declaration Statem Division 3 of the California Business Compliance identifies the lighting fea and 6 of the California Code of Regulat es represented on this Certificate of sign on the other applicable compliand inforement agency for approval with COB CHAN LUMAC WEST 7TH STREET, 5TH FLC G ANGELES, CA 90017-3830 DATORY MEASURES Duilding plans of Mandatory Measures | and Professions C tures and performa- ions. Compliance are co this building permit Signature : DOR | Hone # : Code to accept res ance specification protont with the ets, calculations, application. Hone # : License # : Date : | sponsibility for the lighting is required foe compliance w formation provided to plans and specifications (213) 239-8866 E13358 May 7, 2012 | | |
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| Principal Lighting I am eligible under design. This Certificate of Title 24, Parts 1 ar The design feature document this des submitted to the er Name : JAC Company : GL Address : 617 City/St/Zip : LOS LIGHTING MANE Indicate location on b LIGHTING COMF For detailed instruction | Designer's Declaration Statem Division 3 of the California Business Compliance identifies the lighting fea and 6 of the California Code of Regulat es represented on this Certificate of sign on the other applicable compliand nforement agency for approval with COB CHAN LUMAC WEST 7TH STREET, 5TH FLC ANGELES, CA 90017-3830 DATORY MEASURES Duilding plans of Mandatory Measures PLIANCE FORMS & WORKSH ons on the use of this and all Energy al published by the California Energy | and Professions C tures and performa- ions. Compliance are co this building permit Signature : COR | Hone # : Code to accept res ance specification protont with the ets, calculations, application. Hone # : License # : Date : if w orksheet is ind ds compliance for | sponsibility for the lighting is required foe compliance w formation provided to plans and specifications (213) 239-8866 E13358 May 7, 2012 cluded) | | |
| Principal Lighting I am eligible under design. This Certificate of Title 24, Parts 1 ar The design feature document this des submitted to the er Name : JAC Company : GL Address : 617 City/St/Zip : LOS LIGHTING MANDE Indicate location on b LIGHTING COMF For detailed instruction Nonresidential Manual | Designer's Declaration Statem Division 3 of the California Business Compliance identifies the lighting fea and 6 of the California Code of Regulat es represented on this Certificate of sign on the other applicable compliand inforement agency for approval with COB CHAN LUMAC WEST 7TH STREET, 5TH FLC ANGELES, CA 90017-3830 DATORY MEASURES Duilding plans of Mandatory Measures PLIANCE FORMS & WORKSH ons on the use of this and all Energy al published by the California Energy | and Professions C tures and performa- ions. Compliance are of this building permit Signature : Signature : COR Soor Soor Soor Soor Soor Soor Soor Soo | Hone # : Code to accept res ance specification protont with the ets, calculations, application. Hone # : License # : Date : if w orksheet is ind ds compliance for | sponsibility for the lighting is required foe compliance w formation provided to plans and specifications (213) 239-8866 E13358 May 7, 2012 cluded) rms, please refer to the | | |
| Principal Lighting I am eligible under design. This Certificate of Title 24, Parts 1 ar The design feature document this des submitted to the end document this des submitted to the end to t | Designer's Declaration Statem Division 3 of the California Business Compliance identifies the lighting fea and 6 of the California Code of Regulat es represented on this Certificate of sign on the other applicable compliand inforement agency for approval with COB CHAN LUMAC WEST 7TH STREET, 5TH FLC ANGELES, CA 90017-3830 DATORY MEASURES Duilding plans of Mandatory Measures PLIANCE FORMS & WORKSH ons on the use of this and all Energy al published by the California Energy of 4 Certificate of Compliance | and Professions C tures and performa- ions. Compliance are co this building permit Signature : Signature : Soor Soor Soor Soor Soor Soor Soor Soo | Hone # : Code to accept res ance specification protont with the ets, calculations, application. Hone # : License # : Date : if w orksheet is ind ds compliance for | sponsibility for the lighting is required foe compliance w formation provided to plans and specifications (213) 239-8866 E13358 May 7, 2012 cluded) rms, please refer to the | | |
| Principal Lighting I am eligible under design. This Certificate of Title 24, Parts 1 ar The design feature document this des submitted to the en Name : JAC Company : GL Address : 617 City/St/Zip : LOS LIGHTING MANIE Indicate location on b LIGHTING COMF For detailed instruction Nonresidential Manua L1G-2C | Designer's Declaration Statem Division 3 of the California Business Compliance identifies the lighting fea and 6 of the California Code of Regulat es represented on this Certificate of sign on the other applicable compliance inforement agency for approval with COB CHAN LUMAC WEST 7TH STREET, 5TH FLC ANGELES, CA 90017-3830 DATORY MEASURES Duilding plans of Mandatory Measures PLIANCE FORMS & WORKSH ons on the use of this and all Energy al published by the California Energy of 4 Certificate of Compliance Lignting Controls Credit V Indoor Lignting Powler Al | and Professions C tures and performa- ions. Compliance are of this building permit Signature : Signature : Signature : COR Soor Soor Soor Soor Soor Soor Soor Soo | Hone # : Code to accept res ance specification protont with the ets, calculations, application. Hone # : License # : Date : if w orksheet is ind ds compliance for | sponsibility for the lighting is required foe compliance w information provided to plans and specifications (213) 239-8866 E13358 May 7, 2012 cluded) rms, please refer to the | | |

| CERTIFICATE OF COMPLIAN | | | | | | | | |
|---|---|--|--|--|--|--|--|--|
| Project | : Name: | | | | | | | |
| PIC | PICO BRANCH LIBRARY (LARGE BLDG.) | | | | | | | |
| INDOOR LIGHTING SCHEDULE and FIELD I | | | | | | | | |
| Installation Certificate, LTG-1-INST (Retain a copy and v | | | | | | | | |
| Certificate of Acceptance, LIG-2A (Retain a copy and | | | | | | | | |
| | arate Lighting Schedule Must Be Filled Out for Con | | | | | | | |
| | on this Lighting Schedule is for: | | | | | | | |
| | NDITIONED SPACE | | | | | | | |
| | e actual indoor lighting power listed below include ordance with 146(a) | | | | | | | |
| | y for offices: Up to the first 0.2 watts per square | | | | | | | |
| | culation of actual indoor lighting power density in ess of 0.2 watts per square foot is totaled below | | | | | | | |
| | LUMINAIRE (1YPE, LAMPS, BALLASTS) | | | | | | | |
| A | В | | | | | | | |
| Name or Iterr Tag | Complete Luminaire Description (i.e. 3 lamp fluorescent troffer, F32T8, one dimmable electro ballast) | | | | | | | |
| DT1 | TABLE LAMPS PERMANENT | | | | | | | |
| DT2 | SURFACE MOUNTED LINEAR LED | | | | | | | |
| DT2A | RECESSED WARM LED 4" | | | | | | | |
| SF1 | SURFACE MOUNTED LINEAR T5 | | | | | | | |
| PC1 | COMPACT FLOU. CHANDELIER | | | | | | | |
| RD1 | WARM WHITE LED DOWNLIGHT | | | | | | | |
| RD3 | WARM WHITE LED DOWNLIGHT | | | | | | | |
| RF2 | RECESSED T8 4"X4" | | | | | | | |
| RZ1 | RECESSED LINEAR T-5 W/ ADJUSTABLE LED | | | | | | | |
| RZ1A | RECESSED LINEAR T-5 W/ ADJUSTABLE LED | | | | | | | |
| SF1A | SURFACE MOUNTED LINEAR T5 | | | | | | | |
| WC1 | WALL MOUNTED COMP. FLOURESCENT | | | | | | | |
| WF1 | STACK MOUNTED LINEAR T5 | | | | | | | |
| | Building total number of pag | | | | | | | |

Wattage shall be determined according to Section 13 ² If Fail then describe on Page 2 of the Inspection Chec plans if necessarv.

| CERTIFICATE OF COMPLIANCE | | (Part 1 of 4) | OLTG-1C | | | |
|--|--|--|---|--|--|--|
| Project Name: | | | Date: | | | |
| PICO BRANCH LIBRARY - OUTDOOR LIGHTING | 3 | | May 7, 2012 | | | |
| Project Address: | | | Total Hardscape Illuminated | | | |
| VIRGINIA AVENUE PARK | | | Area: | | | |
| SANTA MONICA, CA 90404 | | | 44500 | | | |
| | | | 11586 | | | |
| GENERAL INFORMATION | | | | | | |
| Hase of Construction X NEW CONSTRUCTION | | | ALIERATION | | | |
| DOCUMENTATION AUTHOR'S DECLARATION S | TATEMENT | | | | | |
| * I certify that this Certificate of Compliance docume | ntation is accur | ate and complete. | | | | |
| Name : JACOB CHAN | Signature : | (Jacob Cha | 1 , | | | |
| GLUMAC | | Date : M | ay 7, 2012 | | | |
| Address : 617 WEST 7TH STREET, 5TH FLOOP | २ | FA # ' CEPE # : | | | | |
| City/St/Zip: LOS ANGELES, CA 90017-3830 | | Phone # : (2 | 13) 239-8866 | | | |
| Principal Lighting Designer's Declaration State I am eligible under Division 3 of the California Business and design. This Certificate of Compliance identifies the lighting feature Title 24. Parts 1 and 6 of the California Code of Regulations The design features represented on this Certificate of Com document this design on the other applicable compliance for submitted to the enforement agency for approval with this Name : JACOB CHAN Company : GLUMAC Address : 617 WEST 7TH STREET, 5TH FLOOP | Professions Co s and performa pliance are cor orms, w orkshee building permit a Signature : | nce specifications r is istent with the info its, calculations, pla application | required foe compliance with prmation provided to ns and specifications 13) 239-8866 | | | |
| · · · · · · · · · · · · · · · · · · · | X | Linte I | 13358 | | | |
| LOS ANGELES, CA 90017-3830 | | M | ay 7, 2012 | | | |
| Principal Lighting Designer's Declaration I certify that this Certificate of Compliance documentation is accurate and complete, and accounts for all outdoor lighting pow er, including building mounted, pole mounted, as well as all other outdoor lighting desgned for the site, and that Additional Lighting Pow er Allow ances for Specific Applications or Additional Lighting Pow er Allow ances for Ordinacne Requirements have not been counted more than one time for the same area. in accordance with Section 147 of the Outdoor Lighting Mandatory Measures Indicate location on building plans of Mandatory Measures Note Block; | | | | | | |
| LIGHTING COMPLIANCE FORMS & WORKSHEE | (check box | if worksheet is inclu | ided) | | | |
| For detailed instructions on the use of this and all Energy Effit | | ds compliance forms | s, please refer to the | | | |
| Certificate of Compliance. A | All 4 pages requ | red on plans for all | submittais | | | |
| VLTG-2C (Page 1 of 3) Lighting Wattage Allow ance Lighting Ontional on plans | s for General H | lardscape, Sales Fr | ontage, or Ornamental | | | |
| OLIG-2C (Page 2 of 3) Lighting Wattage Allow ance | s for Her Applic | ation or Per Area. | Optional on plans. | | | |
| ULIG-2C (Page 3 of 3) Additional Lighting Pow er A | llow ance for Or | dinance Kequireme | nts. Optional on plans. | | | |
| 2008 Nonresidential Compliance Forms | | | July 2010 | | | |

CERTIFICATE OF COMPLIANCE (Part 2 of 4) OL TG-1C

| CE | RTIFICATE O | F COMPLIA | NCE | (Par | t 2 o | f 4) | | | OLT | G- | 1C |
|---|--|--|---------------------------------------|----------------------------|------------------|--------------------------|--|-------------------------|------------------------|-------|---------------------------|
| - | ct Name: D BRANCH LIBRARY | - OUTDOOR LIGH | HTING | | | | Date | 9: | May | 7, 20 |)12 |
| | IPLIANCE FIXTURE | | | | | | | ECTIO | | | |
| | Installation Certificate, OLTG-1-INST (Retain a copy and verify form is completed and signed) Field Inspector Certificate of Acceptance, OLTG-2A (Retain a copy and verify form is completed and signed) Field Inspector | | | | | | | | | | |
| Certif | | IG-2A (Retain a copy LAMPS, BALLASTS) | and ver | ty torm | is com | | d signed) ISTALLED V | | Field Ins | pecto | |
| | LUMINAIRE (TTPE, | LAMPS, DALLASTS) | C | D | E | | F | G | н | | |
| Name or Item Tag | See footnot | Luminaire Description (1) See footnote below .e.: 1 lamp pole-top shoe-box 400 w att metal | | Watts per Luminaire (1) | Special Features | | ttage was rmined According to 130 (d or e) | Number of Luminaires | nstalled Watts DxG) | Inspe | eld ector 2) Tet |
| Z JD2 | SURFACE MOUN | · · | Cutoff Designation | 27 | | | | ∠ _ 16 | 432 | | |
| FF1 | SURFACE MOUNT | | FULL | 28 | | | | 10 | 280 | 븝 | |
| RD2 | RECESSED DO | WNLIGHT | FULL | 10 | | | | 14 | 140 | T | |
| RF3 | RECESSE | ED T5 | FULL | 28 | | | | 7 | 196 | | |
| | | Total # of Pages: | 2 | | | Page To | tal Installed | Watts: | 1048 | | |
| | | Enter total into O | LTG-1C | Page 4 | of 4; I | Row H; To | tal Installed | Watts: | 1318 | | |
| 0 8 8 | rdance with Section 130(MPT LUMINAIRES Name or Symbol | o 2 of the location (| | | | | oto oction tr | ith Sec | Field Ins tion 147 | pecto | |
| MAN | DATORY CONTROL | S | | | | | | | Field Ins | pecto | r 🗖 |
| # | Des cription | Location | | | # | Desc | ription | | Locatio | n | |
| ALL | TIME CLOCK | ALL EXTERIOR | | | | | | | | | |
| | | | | | | | | | | | |
| The lo w ritter the jus and do | CIAL FEATURES INS cal enforement agency sh a justification and document tification, and may reject a ocumentation submitted. | iould pay special atter ntaion, and special ve a building or design th | ntion to ti rificatior at other | he items n. The k | speci cal en | fied in this forcemen | checklist. tagency de | te rmin e | es the adeq | uacy | of |
| 2008 1 | Ionresidential Compliance | Forms | | | | | | | | July | 2010 |

| | (Pa | rt 2 of | f 4) | (CONE | | NED) | LT | Ġ- | 1C | |
|---|------------------|----------------------------|-----------------|--------------------|--------|----------------------|-----------------------|----------|-----------|--|
| | | | | I | Date | | | | | |
| | | | | | | | May | 7, 20 | 112 | |
| INSF | PECTI | | NERGY | CHECK | LIS | ST | | | | |
| verify | formis | s comple | eted and s | igned) | | | Field Ins | pecto | r 🔲 | |
| | | | leted and | | | | Field Ins∣ | | r 🔲 | |
| nditioned and Unconditioned Spaces. Installed Lighting Power | | | | | | | | | | |
| | | UNCC | | IED SP | ACI | Ξ | | | | |
| es all i | installe | ed perma | anent and | portable | e ligh | nting sy | rstems in | | | |
| re foot of portable lighting shall not be required to be included in the n accordance with the Exception to 146(a). All portable lighting in w. | | | | | | | | | | |
| | | | | INSTAL | LEU | WATI | s | | | |
| | С | | | E | | ⊢ si | G (| H Fie | əld | |
| | ъ | Watts per Luminaire (1) | Howwa dete | ittage w rmined | as | Number of Luminaires | Installed Watts (DxF) | | ector | |
| | ture: | umin | | | | -umi | itts (| (2 | <u>2)</u> | |
| | Special Features | er L | ŒC | | | - of L | eW k | | | |
|) ronic | <u>s</u> cial | tts p | Default from | Accord to 130 | - | nber | tallec | Ŋ | | |
| | Spe | (1) Wa | NA8 | or e) | | Nur | Inst | Pass | Fall | |
| | | 60 | X | | | 5 | 300 | | | |
| | | 3.4 | ⊠ | | | 5 | 17 | | | |
| | | 16.8 | X | | | 9 | 151.2 | | | |
| | | | X | | | 3 | | | | |
| | | 26 | X | | | 12 | 312 | | | |
| | | 27 | | | | 27 | 729 | | | |
| | | 27 | | | | 13 | 351 | | | |
| | | 28 | | | | 5 | 140 | | | |
| | | 96 | | | | 38 | 3648 | | | |
| | | 82 | X | | | 5 | 410 | | | |
| | | 21 | X | | | 4 | 84 | | | |
| | | 42 | | | | 7 | 294 | | | |
| | | 28 | | | | 11 | 308 | | | |
| | | INSTAL | LED WAT | TS PAG | ЕTC | DTAL: | 6744.2 | | | |
| ges: | |] | | | пs | вол п | NG IOTAL | | | |
| | | | | | | | all pages) | 923 | 31.2 | |
| | | | | | E | nter int | oLTG-1CF | age 4 | of 4 | |
| 30(d a | and e). | Watta | ge shall be | e rating o | of lig | ht fixtu | ıre, not ratir | ng of l | oulb. | |
| ecklist | Form | and take | e appropri | ate actio | n to | correc | t. Verifyb | uilding | J | |

| CERTIFICATE OF COM | IPLIANCE | | (Part 4 of 4) | | LTG-1C |
|---|---|--|--|---|---|
| Project Name PICO BRANCH LIBRARY (LARGE E | BLDG.) | | | Date: | May 7, 2012 |
| CONDITIONED AND UNCONDITIONED | SPACE LIGHTIN | G MUS | T NOT BE COMBINED F | OR COMPLIAN | NCE |
| Indoor Lighting Pow er Conditioned Spaces | | Indoor | Lighting Pow er Uncondition | oned Spaces | |
| Installed Lightin | Watts | | In | stalled Lighting | Watts |
| (from Conditioned LTG-1C Page 2 | | | (from Unconditioned L | | 0 |
| Lighting Control Cred (from Conditioned Spaces LTG-20 | | | Lighting (from Unconditioned Sp | g Control Credit baces LTG-2C) | - 0 |
| Adjusted Installed Lighting Powe | er = 6,833 | | Adjusted Installed | Lighting Power | = 0 |
| Complies if Installed <= Allowe | d YES | | Complies if Install | ed <= Allow ed | YES |
| Allowed Lighting Powe | e 205 | | Allowed | Lighting Power | |
| Conditioned Spaces (from LTG-3C | 。) 8,305 | | Unconditioned Spaces | (from LTG-3C) | 0 |
| space shall be certied as meeting the Acce a certain type requires a test, list the different Nonresidential Reference Appendices Manu section will allow the responsible party to b | ent lighting and the ual describes the | e numbe test. Sir | r of systems. The NA7 S | ection in the App | cendix of the |
| of Luminaire controlled. Enforcement Agency: Systems Acceptance. Before Occupancy lighting system with controls is installed in t The LTG-2A form is not considered a comp are checked and/or filled and signed. In ad- agency that certifies plans, specifications, i requirements of 10-103(b) of Title 24 Part 6 the building can receive final occupancy. A provided to the ow ner of the building for the | Permit is granted he building or spa blete form and is n dition, a Certificate installation certific . The field inspect a copy of the LTC eir records. | for a ne ce shall lot to be e of Acc ates, ar tor mus G-2A for | w ly constructed building of be certified as meeting th accepted by the enforcer eptance forms shall be s ad operating and maintena t receive the properly filled | or space or whe e Acceptance R ment agency uni ubmitted to the e ance information d out and signed ninaire control(s) | en ever new Requirements. less the boxes inforcement meet the l forms before must be |
| of Luminaire controlled. Enforcement Agency: Systems Acceptance. Before Occupancy lighting system with controls is installed in t The LTG-2A form is not considered a comp are checked and/or filled and signed. In ad- agency that certifies plans, specifications, requirements of 10-103(b) of Title 24 Part 6 the building can receive final occupancy. A | Permit is granted he building or spa olete form and is n dition, a Certificat installation certific . The field inspec a copy of the LTC | for a ne ce shall lot to be e of Acc ates, ar tor mus G-2A for | w ly constructed building of be certified as meeting th accepted by the enforcer eptance forms shall be s ad operating and maintena t receive the properly filled | or space or whe e Acceptance R ment agency uni ubmitted to the e ance information d out and signed ninaire control(s) | en ever new Requirements. less the boxes nforcement meet the I forms before |
| of Luminaire controlled. Enforcement Agency: Systems Acceptance. Before Occupancy lighting system with controls is installed in t The LTG-2A form is not considered a comp are checked and/or filled and signed. In ad- agency that certifies plans, specifications, requirements of 10-103(b) of Title 24 Part 6 the building can receive final occupancy. A | Permit is granted he building or spa blete form and is n dition, a Certificate installation certific . The field inspect a copy of the LTC eir records. | for a ne ce shall lot to be e of Acc ates, ar tor mus G-2A for | w ly constructed building of be certified as meeting th accepted by the enforcer eptance forms shall be s ad operating and maintena t receive the properly filled | or space or whe e Acceptance R ment agency uni ubmitted to the e ance information d out and signed ninaire control(s) | en ever new Requirements. ess the boxes nforcement meet the I forms before must be |
| of Luminaire controlled. Enforcement Agency: Systems Acceptance. Before Occupancy lighting system with controls is installed in t The LTG-2A form is not considered a comp are checked and/or filled and signed. In ad- agency that certifies plans, specifications, requirements of 10-103(b) of Title 24 Part 6 the building can receive final occupancy. A provided to the ow ner of the building for the | Permit is granted he building or spa olete form and is n dition, a Certificat installation certific . The field inspec A copy of the LTC eir records. | for a ne ce shall not to be e of Acco ates, ar tor mus G-2A for htrolled | w ly constructed building of be certified as meeting th accepted by the enforcer eptance forms shall be su ad operating and maintena t receive the properly filled each different lighting lum | or space or whe e Acceptance R ment agency uni ubmitted to the e ance information d out and signed ninaire control(s) | en ever new Requirements. less the boxes inforcement meet the forms before must be G-2A and Sensors automatic ing Controls |
| of Luminaire controlled. Enforcement Agency: Systems Acceptance. Before Occupancy lighting system with controls is installed in t The LTG-2A form is not considered a comp are checked and/or filled and signed. In ad- agency that certifies plans, specifications, requirements of 10-103(b) of Title 24 Part 6 the building can receive final occupancy. A provided to the ow ner of the building for the | Permit is granted he building or spa olete form and is n dition, a Certificate installation certifica- to the field inspect copy of the LTG eir records. | for a ne ce shall not to be e of Acco ates, ar tor mus G-2A for htrolled | w ly constructed building of be certified as meeting th accepted by the enforcer eptance forms shall be su ad operating and maintena t receive the properly filled each different lighting lum | or space or whe e Acceptance R ment agency uni ubmitted to the e ance information d out and signed ninaire control(s) | en ever new Requirements. less the boxes inforcement meet the I forms before must be G-2A and Sensors automatic ing Controls eptance |
| of Lum Inaire controlled. Enforcement Agency: Systems Acceptance. Before Occupancy lighting system with controls is installed in t The LTG-2A form is not considered a comp are checked and/or filled and signed. In ad- agency that certifies plans, specifications, requirements of 10-103(b) of Title 24 Part 6 the building can receive final occupancy. A provided to the owner of the building for the | Permit is granted he building or spa olete form and is n dition, a Certificate installation certifica- to the field inspect copy of the LTG eir records. | for a ne ce shall not to be e of Acco ates, ar tor mus G-2A for htrolled | w ly constructed building of be certified as meeting th accepted by the enforcer eptance forms shall be su ad operating and maintena t receive the properly filled each different lighting lum | or space or whe e Acceptance R ment agency uni ubmitted to the e ance information d out and signed ninaire control(s) | en ever new Requirements. less the boxes inforcement meet the forms before must be G-2A and Sensors utomatic ing Controls eptance |
| of Lum Inaire controlled. Enforcement Agency: Systems Acceptance. Before Occupancy lighting system with controls is installed in t The LTG-2A form is not considered a comp are checked and/or filled and signed. In ad- agency that certifies plans, specifications, requirements of 10-103(b) of Title 24 Part 6 the building can receive final occupancy. A provided to the owner of the building for the | Permit is granted he building or spa olete form and is n dition, a Certificate installation certifica- to the field inspect copy of the LTG eir records. | for a ne ce shall not to be e of Acco ates, ar tor mus G-2A for htrolled | w ly constructed building of be certified as meeting th accepted by the enforcer eptance forms shall be su ad operating and maintena t receive the properly filled each different lighting lum | or space or whe e Acceptance R ment agency uni ubmitted to the e ance information d out and signed ninaire control(s) | en ever new Requirements. ess the boxes inforcement meet the forms before must be G-2A and Sensors utomatic ing Controls eptance |
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2008 Nonresidential Compliance Forms

| CE | RTIFICATE O | F COMPLIA | NCE | (P | art 2 | of 4 cor | nt.) | | OLI | G-1C | |
|---|---|---|--|--|---|--|---|----------------------------------|--|---|--|
| | ct Name: | | | | | | Date | e. | | | |
| | D BRANCH LIBRARY | - OUTDOOR LIGH | ITING | | | | | | Мау | 7, 2012 | |
| CON | PLIANCE FIXTURE | / LIGHTING CON | TROL | SCHE | DULE | and FI | ELD INSP | ЕСТЮ | ON CHEC | KLIST | |
| Insta | lation Certificate, OLIG-1 | -INST (Retain a copy a | ind verit | ty torm a | scomp | pleted and | signed) | | Field Inspector | | |
| Certi | | | and ver | nd verify form is completed and signed) | | | | Field Inspector | | | |
| | LUMINAIRE (TYPE, B | LAMPS, BALLASTS) | С | D | E | P | ISTALLED V F | LED WATTS | н | | |
| n Tag | | | | | Features | | ittage was rmin ed | | tts | Field Inspector | |
| or Item | Luminaire Description (1) | | io Io | е (] | eat | 0010 | | es of | Wat | (2) | |
| le or | See footnot | | gnal a | s pe inair | cial | Default | According | inair | c) illed | | |
| Name | (i.e.: 1 lamp pole-top sho halide | | C utoff D esignation | Watts per Luminaire (1) | Special | from NA8 | to 130 (d or e) | Number of Luminaires | Installed Watt (D ×G) | Pass Fail | |
| ND2 | WALL MOUNTED LE | D FLO ODLIGHTS | | 10 | | | | 12 | 120 | | |
| JD1 | SPIKE MOUNTED WHIT | TE LED TREE LIGHT | | 30 | | | | 5 | 150 | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | Total # of Pages: | | | | Page To | tal Installed | Watts: | 270 | | |
| | | Enter total into O | LTG-1C | Page 4 | Enter total into OLTG-1C; Page 4 of 4; Row H; Total Installed Watts: 270 | | | | | | |
| n umb | age and lamp type (i.e.: flu er of ballasts per luminair ping rated wattage on a p | e. For incandescent l | uminaire | ballast s, the lu | type (i minair | .e.: electro e wattage | onic or magn listed in col | netic); n umn D s | number of I shall be the | amps and maximum | |
| numb relam acco | age and lamp type (i.e.: flu er of ballasts per luminair | orescent, incandesce e. For incandescent l permanent factory-inst | uminaire | ballast s, the lu | type (i minair | .e.: electro e wattage | onic or magn listed in col | netic); n umn D s | number of I shall be the | amps and e maximum b) used, in | |
| n umb relam a cco | age and lamp type (i.e.: flu er of ballasts per luminair ping rated wattage on a p rdance with Section 130(| orescent, incandescert l e. For incandescent l permanent factory-insi d or e). | ent, HID) uminaire talled lat | ; ballast is, the lu bel on th | type (i minaire e Iumir | e.: electro e wattage aire, NOT | onic or magn listed in col | netic); n umn D s e of the | humber of I shall be the lamp (built Field Ins | amps and e maximum b) used, in | |
| numb relam acco | age and lamp type (i.e.: flu er of ballasts per luminair ping rated wattage on a p rdance with Section 130(MPT LUMINAIRES | orescent, incandescert l e. For incandescent l permanent factory-insi d or e). | ent, HID) uminaire talled lat | ; ballast is, the lu bel on th | type (i minaire e Iumir | e.: electro e wattage aire, NOT | onic or magr listed in col the wattage | netic); n umn D s e of the | humber of I shall be the lamp (built Field Ins | amps and e maximum b) used, in | |
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| numb relam acco | age and lamp type (i.e.: flu er of ballasts per luminair ping rated wattage on a p rdance with Section 130(MPT LUMINAIRES | orescent, incandescert l e. For incandescent l permanent factory-insi d or e). | ent, HID) uminaire talled lat | ; ballast is, the lu bel on th | type (i minaire e Iumir | e.: electro e wattage aire, NOT | onic or magr listed in col the wattage | netic); n umn D s e of the | humber of I shall be the lamp (built Field Ins | amps and e maximum b) used, in | |
| n umb relam a cco E XE | age and lamp type (i.e.: flu er of ballasts per luminair ping rated wattage on a p rdance with Section 130(MPT LUMINAIRES | orescent, incandesce e. For incandescent l permanent factory-insi d or e). Descri | ent, HID) uminaire talled lat | ; ballast is, the lu bel on th | type (i minaire e Iumir | e.: electro e wattage aire, NOT | onic or magr listed in col the wattage | netic); n umn D s e of the | humber of I shall be the lamp (built Field Ins | amps and maximum b) used, in pector | |
| n umb relam a cco E XE | age and lamp type (i.e.: flu er of ballasts per luminair ping rated wattage on a p rdance with Section 130(MPT LUMINAIRES Name or Symbol | orescent, incandesce e. For incandescent l permanent factory-insi d or e). Descri | ent, HID) uminaire talled lat | ; ballast is, the lu bel on th | type (i minaire e Iumir | e.: electro e wattage paire, NOT | onic or magr listed in col the wattage | netic); n umn D s e of the | number of I shall be the lamp (bulk Field Ins tion 147 | amps and e maximum b) used, in pector | |
| MAN | age and lamp type (i.e.: flu eer of ballasts per luminair ping rated wattage on a p rdance with Section 130(MPT LUMINAIRES Name or Symbol | e. For incandescent lipermanent factory-insidor e). | ent, HID) uminaire talled lat | ; ballast is, the lu bel on th | type (i minaire e Iumir | e.: electro e wattage paire, NOT | onic or magr listed in col the wattage | netic); n umn D s e of the | Field Ins | amps and e maximum b) used, in pector | |
| n umb relam a cco EXE MAN | age and lamp type (i.e.: flue er of ballasts per luminair ping rated wattage on a p rdance with Section 130(MPT LUMINAIRES Name or Symbol | e. For incandescent lipermanent factory-inside or e). | ent, HID) uminaire talled lat | ; ballast is, the lu bel on th | type (i minaire e Iumir | e.: electro e wattage paire, NOT | onic or magr listed in col the wattage | netic); n umn D s e of the | Field Ins | amps and e maximum b) used, in pector | |
| numb relan acco EXE MAN # | age and lamp type (i.e.: flu er of ballasts per luminair ping rated wattage on a p rdance with Section 130(MPT LUMINAIRES Name or Symbol NAME or Symbol NAME OF Symbol Description TIME CLOCK | e. For incandescent lipermanent factory-inside or e). | nt, HD) uminaire talled lat | ballast s, the lu bel on the exempt | type (i minaire e Iumir Iumina | e :: electro e wattage aire, NOT ires in a co Deso | onic or magn listed in col the wattage cordance wi | netic); n umn D s e of the | Field Ins | amps and e maximum b) used, in pector | |
| n umb relam acco EXE MAN # | age and lamp type (i.e.: flue er of ballasts per luminair ping rated wattage on a p rdance with Section 130(MPT LUMINAIRES Name or Symbol | Prection CHEC | nt, HD) uminaire talled lat ption of KLIST | s, the lucel on the exempt | type (i minaire e lumir lumina lumina | e :: electro e wattage aire, NOT ires in a co Deso of 4 of 0 | cription | th Sect | Field Ins Locatio | amps and e maximum b) used, in pector pector n | |
| n umb re lam a ccoo A ur EXE MAN # ALL SPEC | Age and lamp type (i.e.: flue er of ballasts per luminair ping rated wattage on a p rdance with Section 130(MPT LUMINAIRES Name or Symbol IDATORY CONTROL Description TIME CLOCK | Corescent, incandescent in permanent factory-inside or e). Description S Corescent in the second of the secon | kLIST rification | (See P he items | type (i minaire e lumir lumina lumina # age 2 speci ocal en | e .: electro e wattage aire, NOT ires in acc Desc of 4 of 0 fied in this forcemen | cription LTG-1C) checklist. 1 | These in termine | tems requi | amps and e maximum b) used, in pector pector n re special juacy of | |
| numb relam acco EXE MAN # MLL SPEC he loo v ritter he jus | Age and lamp type (i.e.: flue er of ballasts per luminair ping rated wattage on a p rdance with Section 130(MPT LUMINAIRES Name or Symbol IDATORY CONTROL Description TIME CLOCK | Corescent, incandescent in permanent factory-inside or e). Description S Corescent in the second of the secon | kLIST rification | (See P he items | type (i minaire e lumir lumina lumina # age 2 speci ocal en | e .: electro e wattage aire, NOT ires in acc Desc of 4 of 0 fied in this forcemen | cription LTG-1C) checklist. 1 | These in termine | tems requi | amps and e maximum b) used, in pector pector n re special juacy of | |
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| n umb relam acco EXE MAN # ALL SPEC The loo v ritter he jus | Age and lamp type (i.e.: flue er of ballasts per luminair ping rated wattage on a p rdance with Section 130(MPT LUMINAIRES Name or Symbol IDATORY CONTROL Description TIME CLOCK | Corescent, incandescent in permanent factory-inside or e). Description S Corescent in the second of the secon | kLIST rification | (See P he items | type (i minaire e lumir lumina lumina # age 2 speci ocal en | e .: electro e wattage aire, NOT ires in acc Desc of 4 of 0 fied in this forcemen | cription LTG-1C) checklist. 1 | These in termine | tems requi | amps and e maximum b) used, in pector pector n re special juacy of | |
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| n umb relam a cco EXE MAN # ALL SPEC The lo v ritter he jus | Age and lamp type (i.e.: fluer of ballasts per luminair ping rated wattage on a produce with Section 130(MPT LUMINAIRES Name or Symbol | Porescent, incandescent lipermanent factory-inside or e). | KLIST tion to the relation | (See P he items | type (i minaire e lumir lumina lumina # age 2 speci ocal en | e .: electro e wattage aire, NOT ires in acc Desc of 4 of 0 fied in this forcemen | cription LTG-1C) checklist. 1 | These in termine | tems requi | amps and e maximum b) used, in pector pector n re special juacy of | |

| DU. | TD | DOR | LIGHT | ING | MAND | AT | ORY | ME/ | ASI | JR |
|--------|------|-----|-------|-----|------|----|-----|-----|-----|----|
| roloot | Name | | | | | | | | | |

July 2010

| _ §132 | OUTDOOR LIGHTING ALL PERMANENTLY INSTALLED OUTDOOR LUMINAIRE OVER 100 WATTS SHALL EITHER: HAVE A LAMP EFFICA PER WATT; OR BE CONTROLLED BY A MOTION SENSO THE 8 POSSIBLE EXCEPTIONS. SEE SECTION 132. |
|------------|---|
| §132(b) | LUMINAIRE CUTOFF REQUIREMENTS ALL OUTDOOR LUMINAIRES THAT USE LAMPS RATED HARDSCAPE AREAS INCLUDING PARKING LOTS, BUIL NON-SALES CANOPIES, AND ALL OUTDOOR SALES AR CUTOFF FOR LIGHT DISTRIBUTION. TO COMPLY WITH THIS REQUIREMENT, THE LUMINAIR A PHOTOMETRIC TEST REPORT THAT INCLUDES ANY MOUNTING CONDITION OF THE INSTALLED LUMINAIRE CUTOFF IS A LUMINAIRE LIGHT DISTRIBUTION CLASSI CANDELA PER 1000 LAMP LUMENS DOES NOT NUMER ABOVE A VERTICAL ANGLE OF 90 DEGREES ABOVE NA VERTICAL ANGLE OF 80 DEGREES ABOVE NADIR. NADIR IS IN THE DIRECTION OF STRAIGHT DOWN, AS Y PLUMB LINE. 90 DEGREES ABOVE NADIR IS HORIZON NADIR IS 10 DEGREES BELOW HORIZONTAL UNLESS |
| _ §132(c)2 | POSSIBLE EXCEPTIONS. SEE SECTION 132(b). CONTROLS FOR OUTDOOR LIGHTING ALL PERMANENTLY INSTALLED OUTDOOR LIGHTING S PHOTOCONTROL OR ASTRONOMICAL TIME SWITCH T OFF THE OUTDOOR LIGHTING WHEN DAYLIGHT IS AVA FROM THE EXCEPTION. SEE SECTION 132© |
| | FOR LIGHTING OF BUILDING FACADES PARKING LOTS CANOPIES, ALL OUTDOOR SALES AREAS, AND STUDE WHERE TWO OR MORE LUMINAIRES ARE USED, AN AU BE INSTALLED THAT IS CAPABLE OF; (1) TURNING OFF THE LIGHTING WHEN NOT NEEDE (2) REDUCING THE LIGHTING POWER (IN WATTS) B |
| | NOT EXCEEDING 80 PERCENT OR PROVIDING C THROUGH A RANGE THAT INCLUDES 50 PERCE REDUCTION UNLESS EXEMPTED FROM THE 6 P SEE SECTION 132(C)2. THIS CONTROL SHALL MEET T SECTION 119(C). |

08 Nonresidential Compliance Forms

 $\sqrt{3}$

| IDOOR LIGHTING POWER ALLOWANCE (Area | Late | | |
|--|-------------------|-----------|------------------------|
| CO BRANCH LIBRARY (LARGE BLDG.) | | Februar | ry 28, 20 [.] |
| LLOWED LIGHTING POV/ER (Choose One Method) | | | |
| separate LTG-3C must be filled out for Conditioned and Unconditioned Spaces. Inc | door Lighting Pov | v er | |
| ow ances listed or this page are only for: CONDITIONED Spaces | | | Spaces |
| REA CATEGORY METHOD - CONDITIONED SPACES | | | |
| A | WALLS | C AREA | |
| AREA CATEGORY (From 146 Table 146-F) | PER SF | (SF) | WATE |
| BRARY; READING AREAS | 1.2 | 2,991 | 3,589 |
| BRARY; STACKS | 1.5 | 2,610 | 3,915 |
| FFICES; > 250 SQUARE FEET | 0.9 | 135 | 122 |
| UPPORT; HALLWAY, CORRIDOR | 0.6 | 409 | 245 |
| UPPORT; RESTROOMS | 0.6 | 407 | 244 |
| CUNGE / RECFEATION | 1.1 | 172 | 189 |
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| | TOTALS | 6,724 | 8,305 |
| | | SF Areas | WATE |

| MANDATO | RY MEASURES |
|--------------------------------|---|
| Project Name: PICO BRANCH L | LIBRARY (LARGE BLDG.) |
| S131(d) | BUILDING SHUT-OFF |
| | THE BUILDING LIGHTING SHUT-OFF SYSTEM CONSISTS OF AN AUTOMATIC TIME SWITCH, WITH A ZONE FOR EACH FLOOR. |
| S131(c) | OVERRIDE FOR BUILDING LIGHTING SHUT-OFF |
| | THE AUTOMATIC BUILDING SHUT-OFF SYSTEM IS PROVIDED WITH A MANUAL, ACCESSIBLE OVERRIDE SWITCH IN SIGHT OF THE LIGHTS. THE AREA OF OVERRIDE IS NOT TO EXCEED 5,000 SQ. FT. |
| ∑ §131(c) | AUTOMATIC CONTROL DEVICES CERTIFIED: ALL AUTOMATIC CONTROL DEVICES SPECIFIED ARE CERTIFIED. |
| | ALL ALTERNATE EQUIPMENT SHALL BE CERTIFIED AND INSTALLED AS DIRECTED BY THE MANUFACTURER. |
| S131(c) | FLUORESCENT BALLAST AND LUMINARIES CERTIFIED: |
| | ALL FLUORESCENT FIXTURES SUBJECT TO CERTIFICATION AND SPECIFIED FOR THE PROJECTS ARE CERTIFIED. |
| ⊠ §131(c) | INDIVIDUAL ROOM/AREA CONTROLS: |
| | EACH ROOM AND AREA IN THIS BUILDING IS EQUIPPED WITH A SEPARATE SWITCH OR OCCUPANCY SENSOR DEVICE FOR EACH AREA WITH FLOOR-TO-CEILING WALLS. |
| ⊠ §131(c) | UNIFORM REDUCTION FOR INDIVIDUAL ROOMS: ALL ROOMS AND AREAS GREATER THAN 100 SQUARE FEET AND MORE THAN 0.8 WATTS PER SQUARE FOOT OF LIGHTING LOAD SHALL BE CONTROLLED WITH MULTI-LEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING WITHIN THE ROOM. |
| ⊠ §131(c) | DAYLIT AREA CONTROL: ALL ROOMS THAT ARE GREATER THAN 250 SQUARE FEET AND CONTAIN WINDOWS AND SKYLIGHTS, THAT ALLOW FOR THE EFFECTIVE USE OF DAYLIGHT IN THE AREA SHALL HAVE 50% OF THE LIGHTING POWER IN EACH DAYLIT AREA CONTROLLED BY A SEPARATE SWITCH; OR |
| ☐ §131(c) | THE EFFECTIVE USE OF DAYLIGHT CANNOT BE ACCOMPLISHED BECAUSE THE WINDOWS ARE CONTINUOUSLY SHADED BY A BUILIDING ON THE ADJACENT LOT. DIAGRAM OF SHADING DURING DIFFERENT TIMES OF THE YEAR IS INCLUDED ON PLANS. |
| ☐ §131(e) | DISPLAY LIGHTING: DISPLAY LIGHTING SHALL BE SEPARATELY SWITCHED ON CIRCUITS THAT ARE 20 AMPS OR LESS. |

| | OMPLIANCE | | (Part 3 o | f 4)OLTG-1C |
|--|---|--|--|---|
| Project Name: | | | Date: | |
| PICO BRANCH LIBRARY - OU | TDOOR LIGHTING | | | May 7, 2012 |
| A. OUTDOOR LIGHTING ZONE | | | | |
| OUTDOOR LIGHTING ZONE: | ULZ 1 | ULZ 2 | X ULZ 3 | ULZ 4 |
| Is the Outdoor Lighting Zone: | 🔀 Default in accord | ance with § 10-114, (| or 🗌 | Amended by JHA |
| Complete the information below if the authority (JHA): The site is a government designed LZ2 or LZ3, in accordance with Ta The local juris diction having author the Energy Commission by providin The adopted change is posted on 1 B. ADDITIONAL LIGHTING POWER. Are additional igniting pow er allow an Complete the information below if add The local juris diction having author or minimum footcandle level; by fol about the proposed change | park, recreation area, wildlif able 10-114-A, because the s ity has officially adopted a cl ng the materials required in § the Energy Commission webs ALLOWANCE FOR ORDINAL ces for ordinacne in Table 14 ditional lighting pow er allow an ity has officially adoped spec- | e preserve, or portio site is contained with hange to the State De 10-114(d) to the Exec site NCE REQUIREMENTS 4/-C used? nces for ordinance re cific outdoor light leve | n thereof, and ha in such a zone. efault Lighting Zon cutive Director. S Yes equirements are u els, w hich are ex | s been designated as ne and has notified] No Jsed: pressed as average |
| I ne local juris diction naving author providing the follow ing materials re | · · · | - | a nas notifea the | Commission by |
| C. ACCEPTANCE FORM S | | | | |
| | | | | |
| Required Acceptance Tests Designer: This form is to be used by the design system, OLTG-2A. The designer is re- space shall be certified as meeting th a certain type requires a test, list the Nonresidential Reference Appendice: section will allow the responsible par Luminaire controlled. Enforcement Agency: | equired to check the accepta e Acceptance Requirements different lighting and the num s Manual describes the test. | nce tests and list all for Code Compliance aber systems. The N Since this form will t | control devices s e. If all the lighting A7 Section in the be part of the pla | erving the building or g system or control of Appendix of the ns, completion of this |

| must be provided to the owner | of the building for their records | | | |
|-------------------------------|---|-------------------------------|-------------|---|
| | | | Certificate | of Acceptance |
| | Luminaires | Controlled | 1 | OTLG-2A(1) |
| Equipment Requiring Testing | Description | Number of Like Controls | Locations | Outdoor Lighting Acceptance Tests |
| | | | | |
| | | | | |
| | | | | |
| | tion Sensor; OLSC for Outdoor Lightin and , STS for Standard (non-astronom | | , | tocontrol; ATS |

| CERTIFIC | CATE OF COMPLIANCE | (Pa | ge 4 of | ⁴) C | DLT |
|---------------|--|-------|---------|-------------------------|--------|
| Project Name: | | | Date: | | |
| PICO BRANCI | H LIBRARY - OUTDOOR LIGHTING | | | N | /lay i |
| ALLOWED AN | ND INSTALLED OUTDOOR LIGHTING POWER | | | | |
| | | | | Lightir Power | |
| | | | | Power | Allov |
| A | Lighting power allowance for general hardscape (from OLTG-2C Page 1 of 3) | | | 9215.6 | Wa |
| в | Specific application lighting wattage allowance per unit len (from OLTG-2C Page 1 of 3) | gth | | | Wa |
| с | Specific application wattage allowance for ornamental light (from OLTG-2C Page 1 of 3) | ting | | | Wa |
| D | Specific application wattage allowance per application (from OLTG-2C Page 2 of 3) | | | | Wa |
| E | Specific application lighting wattage allowance per area (from OLTG-2C Page 2 of 3) | | | | Wa |
| F | Additional lighting power allowance for ordinance requirem (from OLTG-2C Page 3 of 3) | nents | | | Wa |
| G | Total Allowed Wattage = Sum of rows Athrough F: | | | 9215.6 | Wa |
| н | Total Installed Watts (from Luminaire Schedule on OLTG-1C Page 2 of 4) | | | 1318 | Wa |
| Notes: | | | | | |

RES

S EMPLOYING LAMPS RATED ACY OF AT LEAST 60 LUMENS IR UNLESS EXEMPTED FROM

2008 Nonresidential Compliance Forms

must be provided to the owner of the building for their records

GREATER THAN 175 WATTS IN DING ENTRANCES, SALES AND EAS SHALL BE DESIGNATED E SHALL BE RATED CUTOFF IN TILT OR OTHER NON-LEVEL

FICATION WHERE THE ICALLY EXCEED 25 AT OR DIR, AND 100 AT OR ABOVE A WOULD BE INDICATED BY A TAL. 80 DEGREES ABOVE

EXEMPTED FROM THE 6

HALL BE CONTROLLED BY A HAT AUTOMATICALLY TURNS SALES AND NON-SALES

NT PICK-UP/DROP-OFF ZONES TOMATIC TIME SWITCH SHALL AND

BY AT LEAST 50 PERCENT BUT CONTINUOUS DIMMING ENT THROUGH 80 PERCENT OSSIBLE EXCEPTIONS. HE REQUIREMENTS OF

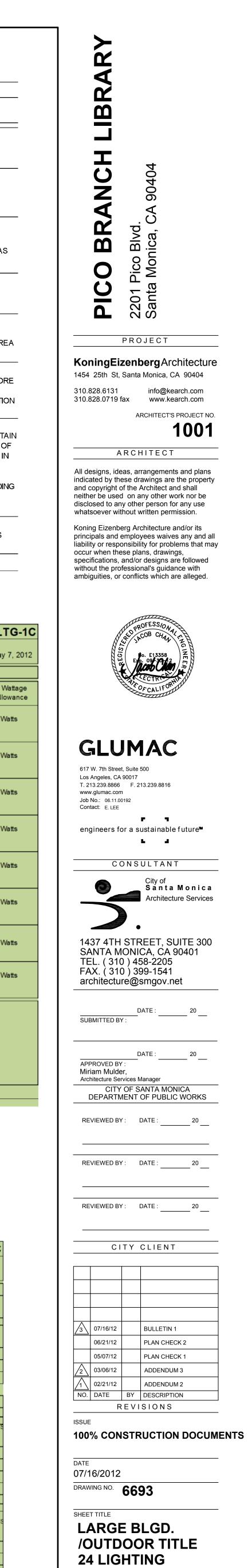
| Project Name: | | | | | | | | Page 1 of 3 Date: | | OLTG-20 |
|---|-------------------------------|--|---|--|--|---|--|------------------------|---|---|
| | | | | | | | | Date. | | Mar. 7. 0044 |
| PICO BRANCH | LIBRARY - OL | JTDOOR LIGHTING | | | | | | | | May 7, 2012 |
| . LIGHTING PO | WER ALLOW | ANCE FOR GENER | AL HARDSC | APE | | | | | | |
| | | | | | | | INT | TAL | TOTA | L GENERAL |
| AREA WAT | TAGEALLOWA | NCE(AWA) | LINEAR V | VATTAGEAL | LOWANCE (| LWA) | | TAGE | | CAPE LIGHTING |
| | | | | | | | | VANCE | ALI | OWANCE |
| A | B AWA PER | С | D | | E LWA PER | F | 0 | 3 | | н |
| ILLUMINATED HARDSCAPE | SQUARE | AWA | PERIMETER L | ENGTH OF | LINEAR | LWA | M | 10 | | + F + G |
| AREA | FOOT | (AxB) | GENERAL HA | | FOOT | (DxE) | | TTS) | | TTTG |
| | | | O LIVE IF | REGORATE | 1001 | (UKL) | <u> </u> | | | 0045.0 |
| 9180 | 0.92 | 8445.6 | | | | | | 70 | | 9215.6 |
| | | | | | | | | | | |
| | , | Enter total into OLT | G-1C; Page 4 o | f 4; Row A; I | Lighting Pow | er Allow and | e for General | Hardscape: | (| 9215.6 |
| | A and MAA 5 | rom Table 147-A was | used as som | manziata fa | the Outda | or Linhting | 7000 | | | |
| | - | | | | | | <u> </u> | | | |
| SPECIFIC APP | LICATION LI | GHTING WATTAGE | ALLOWANG | CE PER UN | IT LENGT | 'H (Availa | ble only fo | or sales fro | ntage) | |
| DE | TERMINE WATT | AGEALLOWANCE | | LL | JMINAIRE TY | PE | D | ESIGN WATT | S | |
| A | В | С | D | E | | F | G | Н | | |
| ~ | Ь | U U | | | | | | | | |
| SPECIFIC | LINEAR | SALES FRONTAGE | WATTAGE | <u> </u> | | <u> </u> | | | DESIGN | ALLOWED WA |
| | | ~ | WATTAGE | NAMEOR | | RETYPE | | WATTS PER | | ALLOWED WA |
| SPECIFIC | LINEAR | SALES FRONTAGE | WATTAGE | | | | | | | |
| SPECIFIC LIGHTING | LINEAR FEET OF | SALES FRONTAGE ALLOWANCE FOR OLZ | WATTAGE ALLOWANCE | NAMEOR | | | LUMINAIRE | WATTS PER | WATTS | MINIMUM O |
| SPECIFIC LIGHTING | LINEAR FEET OF | SALES FRONTAGE ALLOWANCE FOR OLZ | WATTAGE ALLOWANCE | NAMEOR | | | LUMINAIRE | WATTS PER | WATTS | MINIMUM OF |
| SPECIFIC LIGHTING | LINEAR FEET OF | SALES FRONTAGE ALLOWANCE FOR OLZ (WATTS PER LF) | WATTAGE ALLOWANCE (BxC) | NAME OR SYMBOL | LUMINA | RETYPE | LUMINAIRE | WATTS PER LUMINIARE | WATTS (GxH) | MINIMUM O |
| Specific Lighting Application | LINEAR FEET OF FRONTAGE | SALES FRONTAGE ALLOWANCE FOR OLZ (WATTS PER LF) Enter total into OLTG | WATTAGE ALLOWANCE (Bx C) | NAME OR SYMBOL 4; Row B; Sp | LUMINA I | RE TYPE ation Lighting | LUMINAIRE | WATTS PER LUMINIARE | WATTS (GxH) | MINIMUM OF |
| Specific Lighting Application | LINEAR FEET OF FRONTAGE | SALES FRONTAGE ALLOWANCE FOR OLZ (WATTS PER LF) | WATTAGE ALLOWANCE (Bx C) | NAME OR SYMBOL 4; Row B; Sp | LUMINA I | RE TYPE ation Lighting | LUMINAIRE | WATTS PER LUMINIARE | WATTS (GxH) | MINIMUM OF |
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2008 Nonresidential Compliance Forms

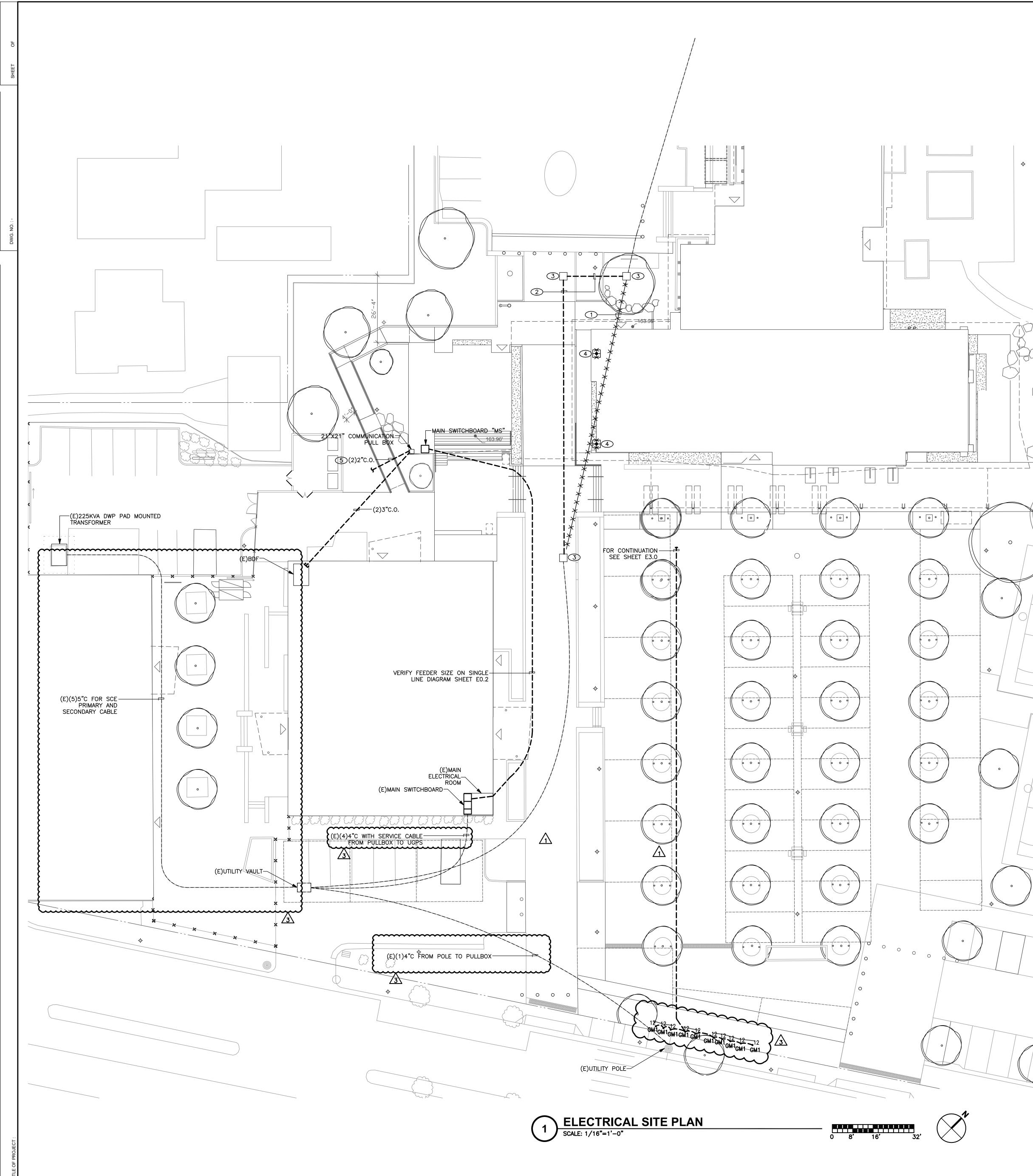
July 2010

SHEET NO.

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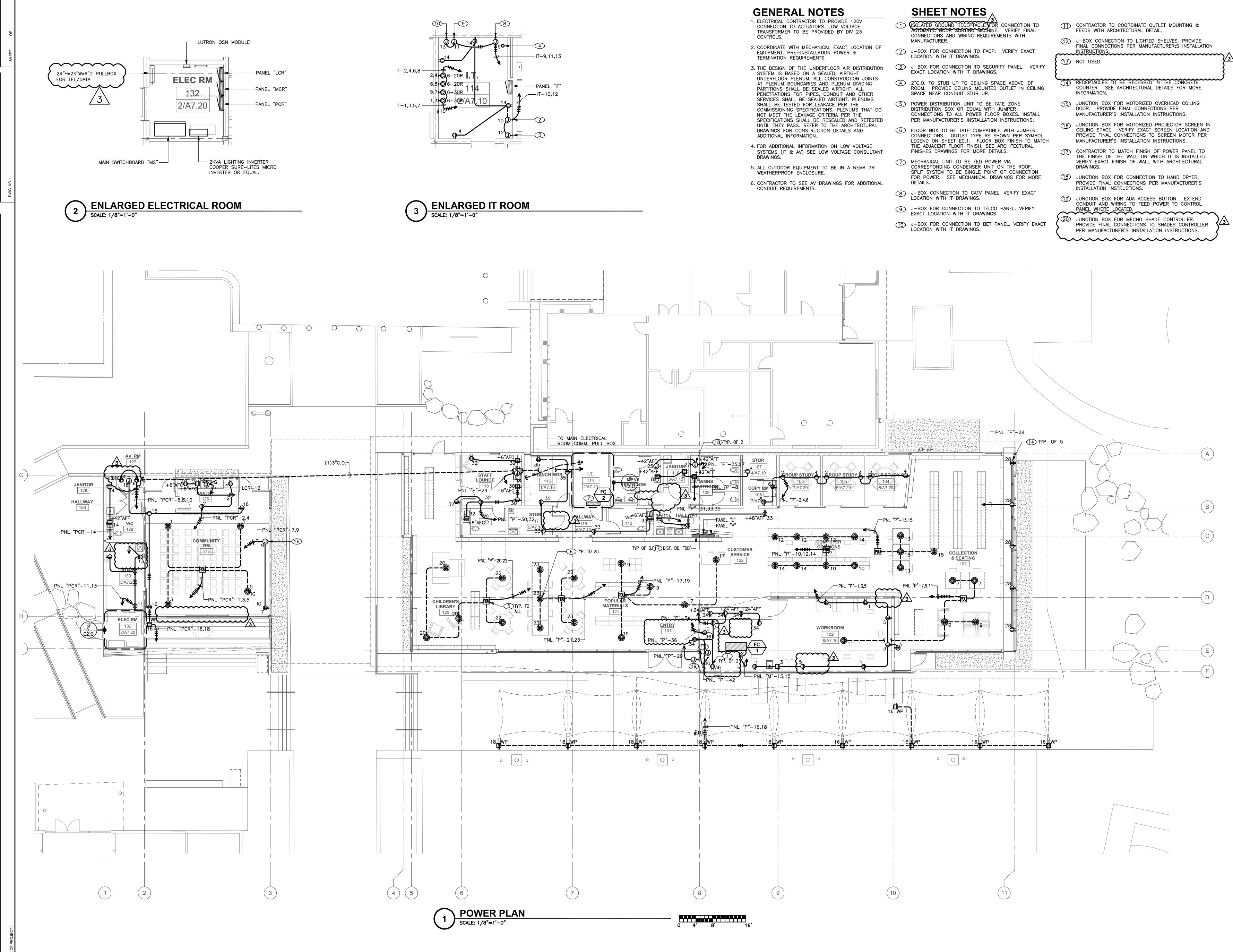
GENERAL NOTES

1. CONTRACTOR TO VERIFY ALL CONDUIT ROUTING IN FIELD BASED ON EXISTING CONDITIONS.

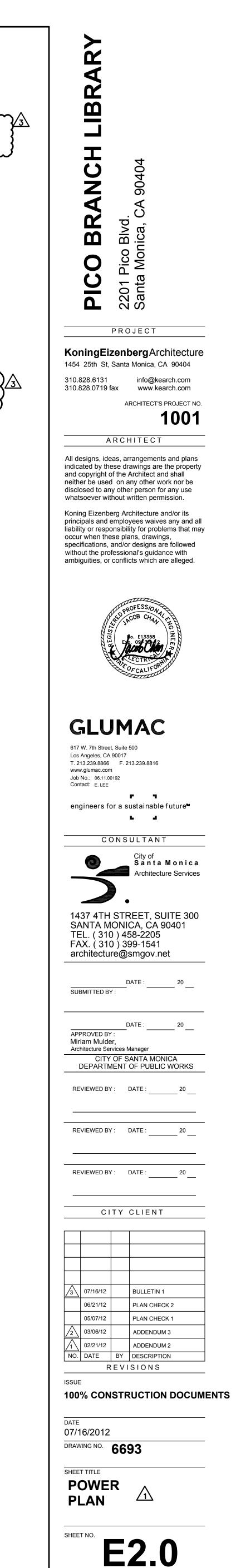
SHEET NOTES

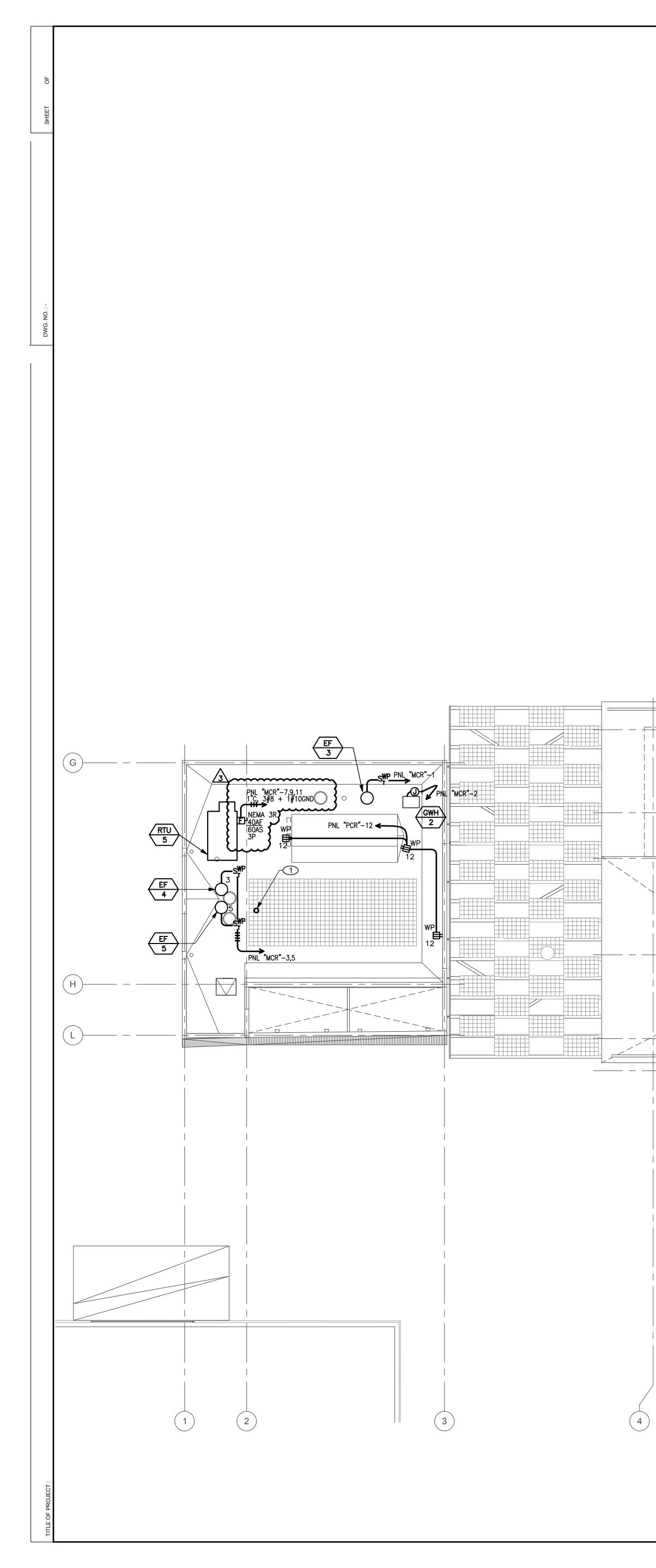
- (1) (E)CONDUIT TO BE DEMOLISHED BETWEEN NEW PULL BOXES TO REMOVE SECTION UNDER NEW BUILDING FOOTING. EXACT ROUTING OF CONDUIT TO BE VERIFIED IN FIELD.
- (2) (1)4"C AND (1)4"C.O. SPARE TO BE ADDED AS SHOWN. PROVIDE RECONNECTIONS OF ALL FEEDERS AT (E)PULLBOX TO MAINTAIN ELECTRICAL SERVICE AT BUILDING. PULL NEW FEEDERS AS NECESSARY FROM SOURCE TO BUILDING TO MATCH EXISTING FEEDERS, CONTRACTOR TO FIELD VERIFY. COORDINATE DEMOLITION AND RECONNECTION WITH CITY TO MINIMIZE DOWNTIME TO AFFECTED BUILDINGS.
- (N)36"X36" UNDERGROUND PULLBOX. INTERCEPT (E)CONDUIT
- (E)LIGHT POLES TO BE DEMOLISHED. CONTRACTOR TO ENSURE CONTINUITY TO (E)LIGHT POLES THAT ARE REMAINING. IF A BREAK IN THE CIRCUIT OCCURS, EXTEND CIRCUIT TO AFFECTED POLE FROM NEAREST EXISTING POLE TO REMAIN.
- 5 CONDUIT TO RUN TO THELMA TERRY BUILDING. VERIFY EXACT LOCATION OF STUB UP AND CONDUIT ROUTING WITH OWNER.





- FINAL CONNECTIONS PER MANUFACTURER;S INSTALLATION





EQUIPMENT -

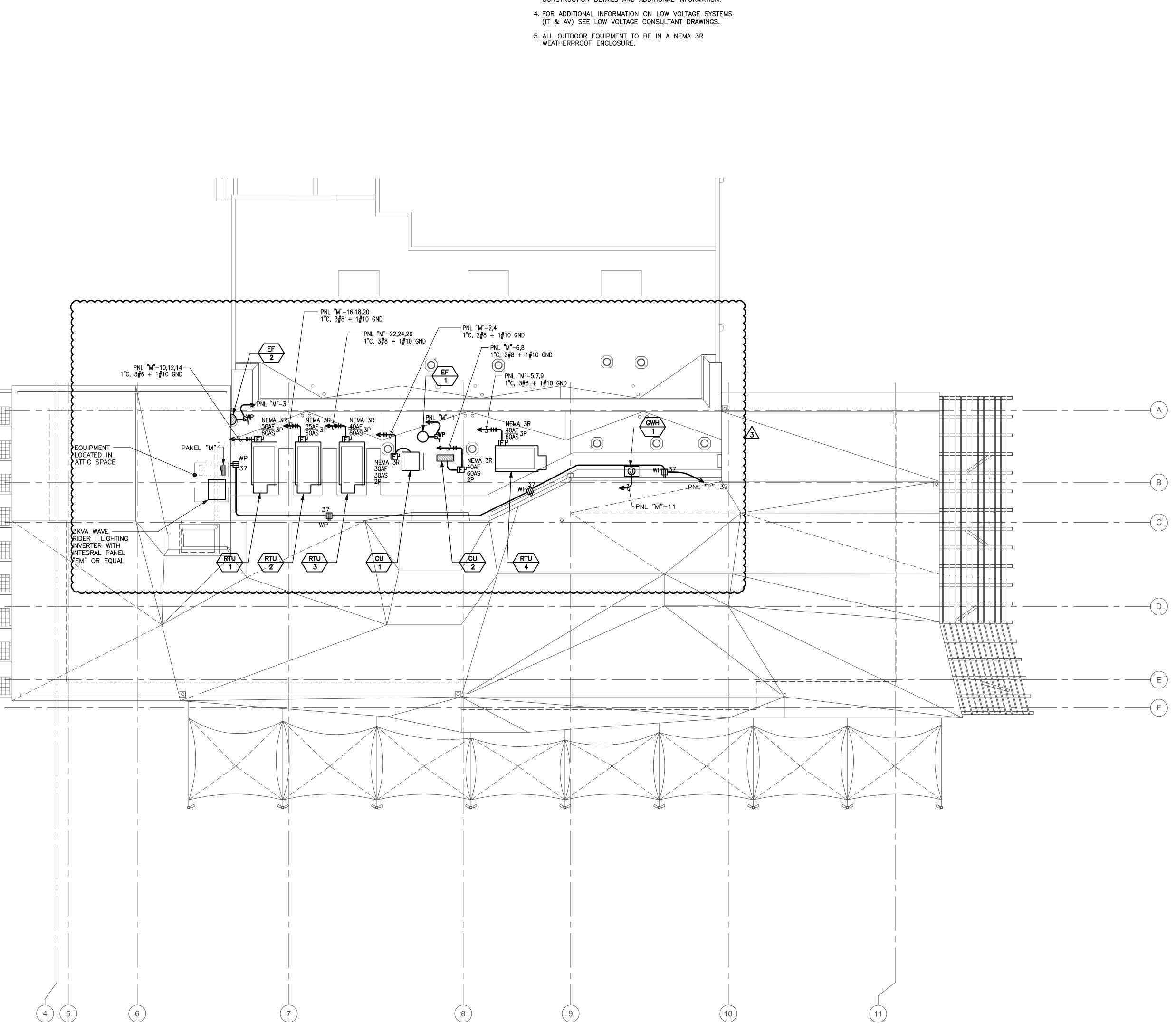
LOCATED IN

ATTIC SPACE

_ _

SKVA WAVE -

1 POWER ROOF PLAN SCALE: 1/8"=1'-0"



0 4' 8' 16'

GENERAL NOTES 1. ELECTRICAL CONTRACTOR TO PROVIDE 120V CONNECTION

- PROVIDED BY DIV 23 CONTROLS.
- REQUIREMENTS.

TO ACTUATORS. LOW VOLTAGE TRANSFORMER TO BE

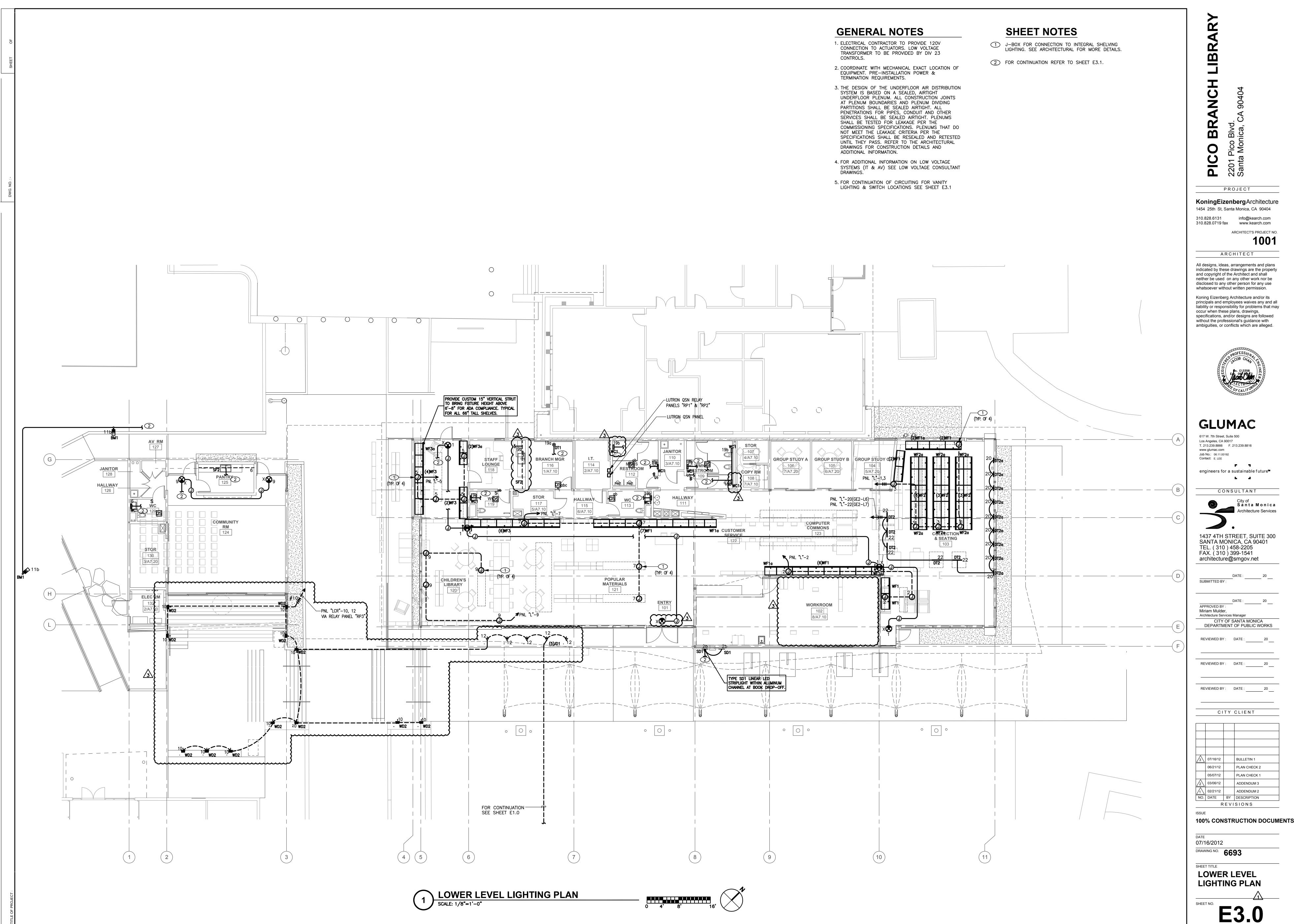
2. COORDINATE WITH MECHANICAL EXACT LOCATION OF EQUIPMENT. PRE-INSTALLATION POWER & TERMINATION

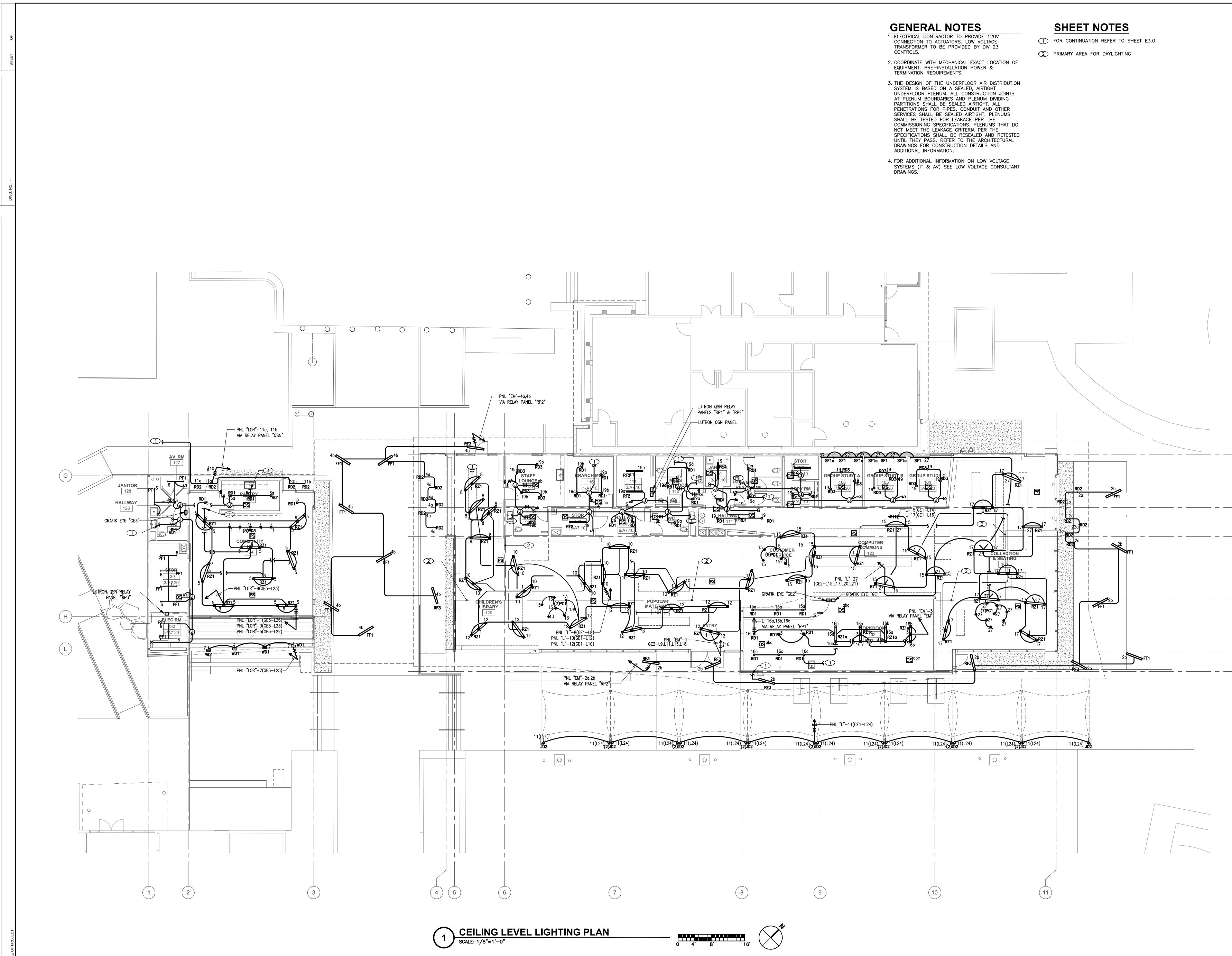
3. THE DESIGN OF THE UNDERFLOOR AIR DISTRIBUTION SYSTEM IS BASED ON A SEALED, AIRTIGHT UNDERFLOOR PLENUM. ALL CONSTRUCTION JOINTS AT PLENUM BOUNDARIES AND PLENUM DIVIDING PARTITIONS SHALL BE SEALED AIRTIGHT. ALL PENETRATIONS FOR PIPES, CONDUIT AND OTHER SERVICES SHALL BE SEALED AIRTIGHT. PLENUMS SHALL BE TESTED FOR LEAKAGE PER THE COMMISSIONING SPECIFICATIONS. PLENUMS THAT DO NOT MEET THE LEAKAGE CRITERIA PER THE SPECIFICATIONS SHALL BE RESEALED AND RETESTED UNTIL THEY PASS. REFER TO THE ARCHITECTURAL DRAWINGS FOR CONSTRUCTION DETAILS AND ADDITIONAL INFORMATION.

SHEET NOTES

 CONTRACTOR TO PROVIDE (1)4"C.O. TO STUB INTO ELECTRICAL ROOM FOR PV CONNECTIONS. CONFIRM CONDUIT REQUIREMENTS WITH PV VENDOR.



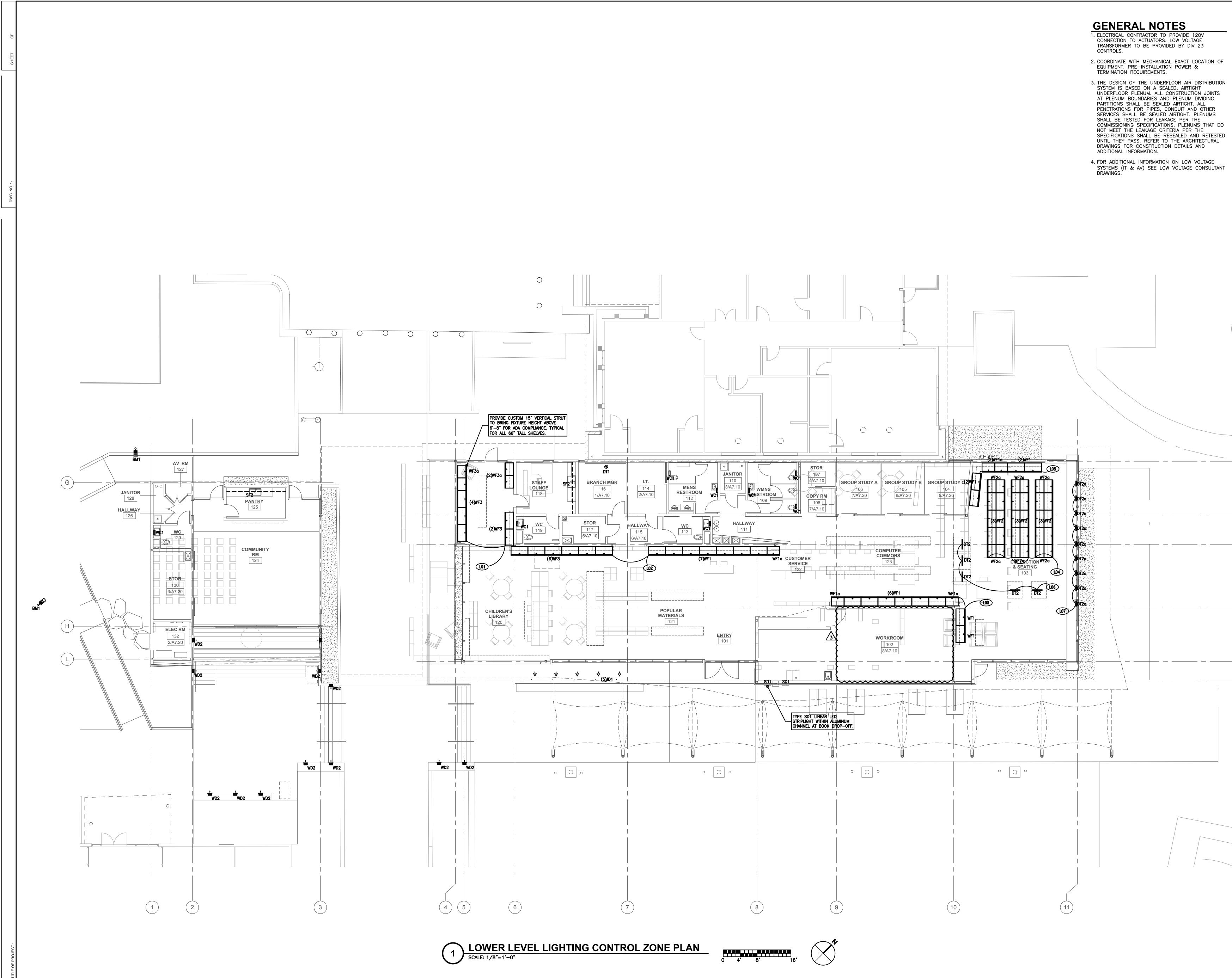


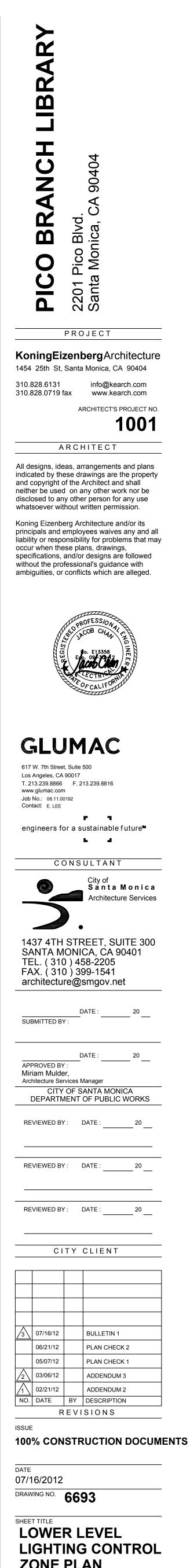




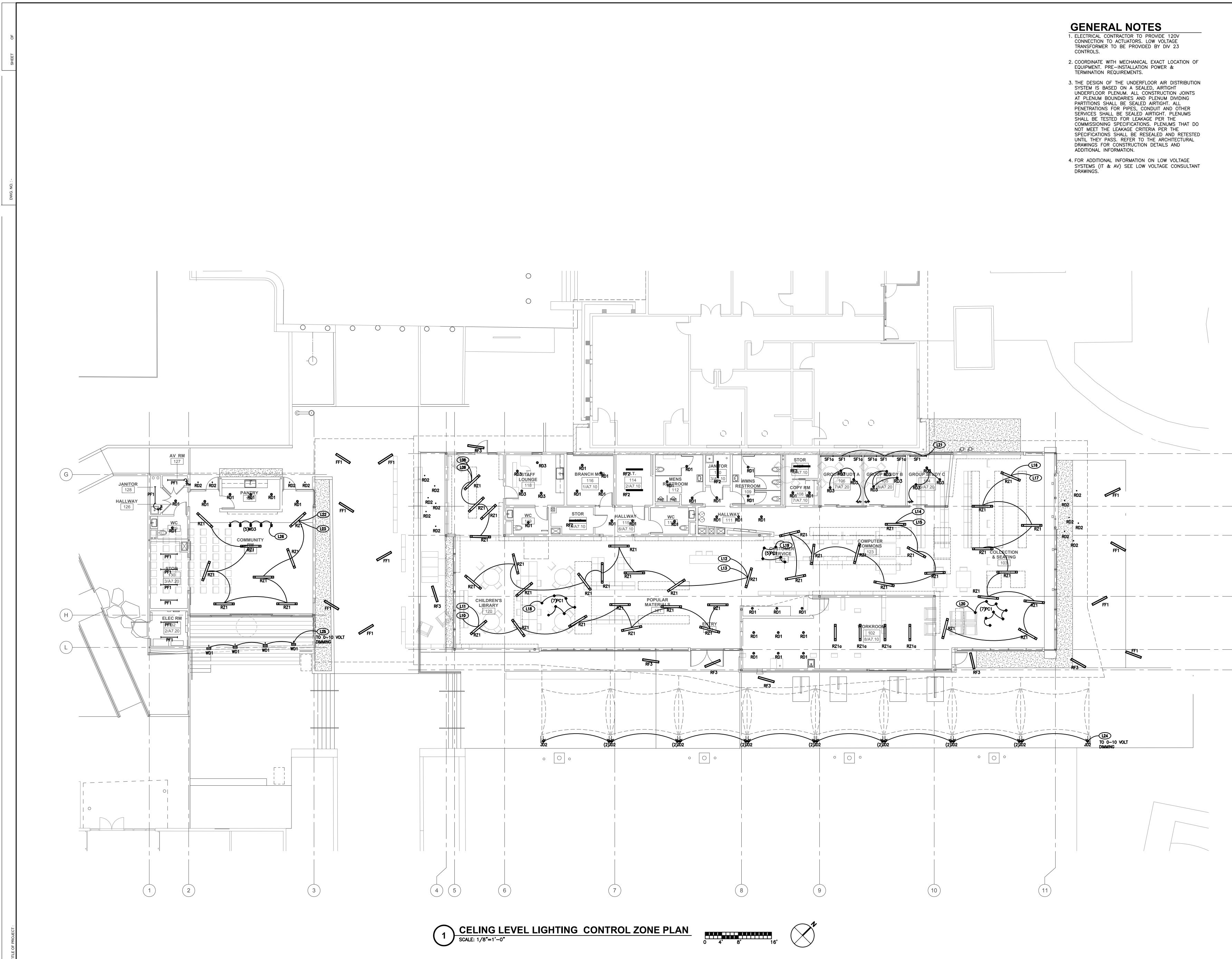
SHEET NO.

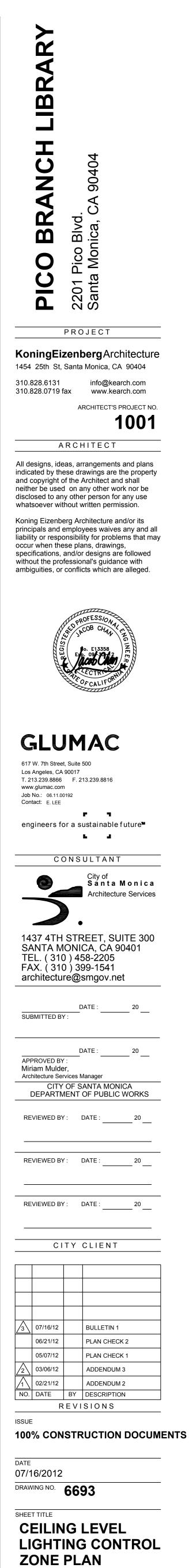
E3.1





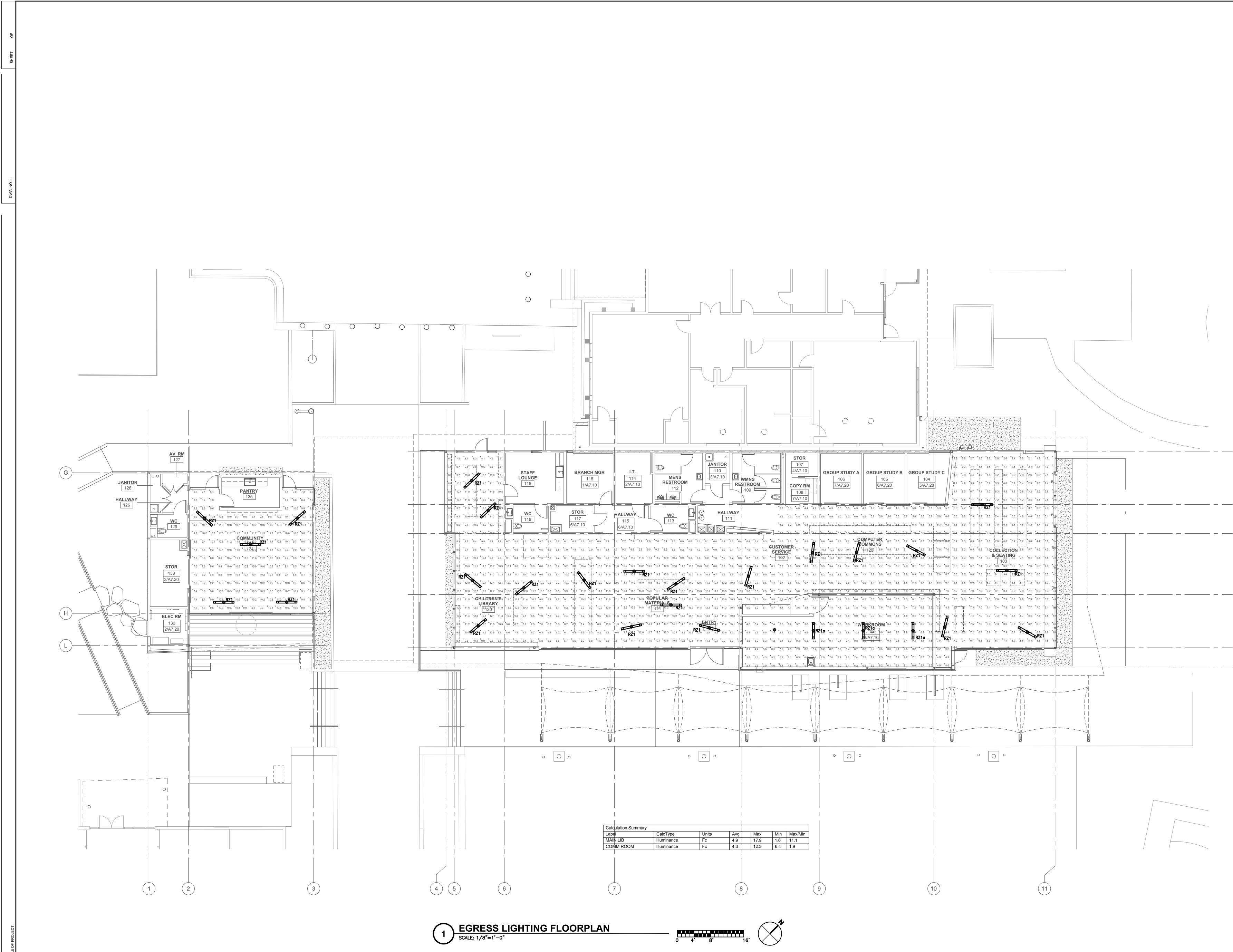
ZONE PLAN SHEET NO. **E3.2** ^(A)

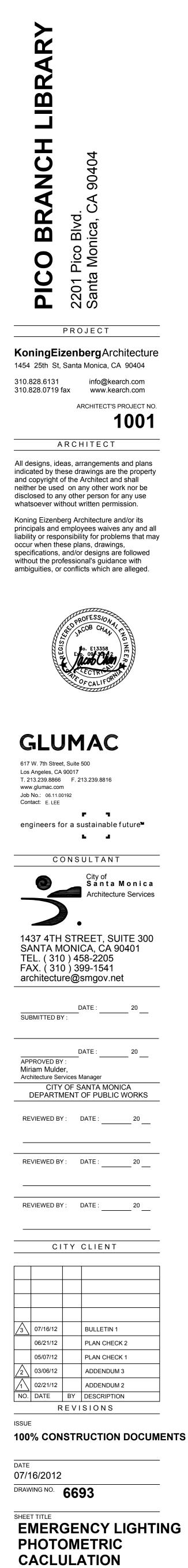




SHEET NO.

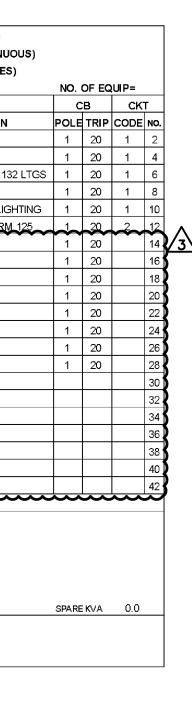
E3.3 △



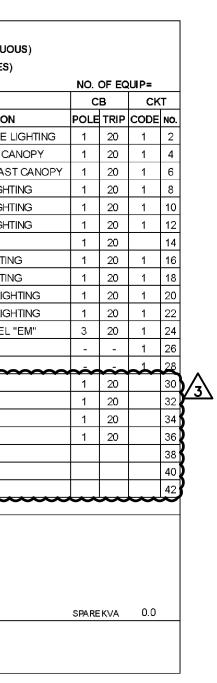


SHEET NO. **E3.4**

| | CATION NEL: CRATING: | 13-Jul-12 LCR 10,000 | | | | PHASE COPPE MAINS | | : | | 208/120 3PH, 4V 100A 100A | v | CIRCL | | DE: 1=(CONTINUOUS) 2=(NON-CONTINUOUS) 3=(RECEPTACLES) 4=(KITCHEN) |
|---|--|---|-------------|-----|---------------|-------------------------|------------------|-------------|------|---------------------------------------|---|--|------------|---|
| CODE TRIP POLE 1 20 1 | | LOAD DESIGNAT DESCRIPTION RM 124 LIGHTING | | REC | LITE 5 | LOAD VA 75 | A 255 | PHASES B | C | LOAD VA 180 | | REC | MISC | SPARE |
| 1 20 1 1 20 1 1 20 1 | 1 20 1 | RM 124 LIGHTING RM 124 LIGHTING EXTERIOR LIGHTING | | | 3 18 4 | 168 650 40 | 50 | 208 | 1065 | 40 415 10 | 4 15 2 | | | SPARE RM 125, 129, 130, 131& 132 LTGS EXIT SIGNS |
| $\begin{array}{c c} 1 & 20 & 1 \\ \hline 1 & 20 & 1 \\ \hline 1 & 20 & 1 \\ \hline \end{array}$ | | *COMM. RM EM LTG | ~ | ~ | 7 ~6~ | 290 | | 410 | | 120 1000 | 12 | | - 1 | SOUTH EXTERIOR LIGHTING |
| 20 1 20 1 20 1 | 20 1 | SPARE SPARE SPARE | | | | | } | | | | | | | SPARE SPARE SPARE |
| 20 1 20 1 20 1 | 20 1 | SPARE SPARE SPARE | | | | | } | 0 | | } | | | | SPARE SPARE SPARE |
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| | | SPACE SPACE | | | | | } | | | | | | | SPACE SPACE |
| | | SPACE SPACE | ~ | | ~ | TOTAL | 305 | 0 618 | 1065 | CONNE | CÎED | RVA~ | | SPACE SPACE 2.0 |
| | | | | | | | | | | CONN. CONN. CONN. | KVA (C | ODE 2) | 1 | 2.0 1.0 0.0 |
| RCUIT TO FEE | °CIRCUIT TO FE | D LTG VIA EMERGENCY LT SEE POWER/LTG PLANS | | | | | LECTR | ICAL R | DOM. | CONN. TENAN | KVA (C | ODE 4) | Ì | 0.0 |
| | | | | | | | | | | SPARE FEEDE FEEDE X'FMR | r dem/ r dem/ | | | 3.5 9.8 3.0 |
| | | | | | | | | | | | | | | |
| ATION: | TE: CATION: | 13-Jul-12 | | | | PANEL | & WIRE: | E: | | 208/120V 3PH. 4W | | CIRCUI | T CODI | E: 1=(CONTINUOUS) 2=(NON-CONTINUOUS) |
| RATING: | NEL: CRATING: CKT CB | L 10000 LOAD DESIGNATI | ON | | | COPPER MAINS O | CB: | PHASES | | 100A 100A LOAD | | | LO | 3=(RECEPTACLES) 4=(KITCHEN) DAD DESIGNATION |
| CODE TRIP POLE 1 20 1 | CODE TRIP POL 1 20 1 | DESCRIPTION RM 103 SHELVE LIGHTING | MISC 1 | REC | LITE | VA 720 | A 1620 | В | с | VA 900 | LITE | REC | | DESCRIPTION RM 103, 123 SHELVE LIGHTING |
| 1 20 1 1 20 1 1 20 1 | 1 20 1 | RM 103 SHELVE LIGHTING RM 120 SHELVE LIGHTING RM 121 SHELVE LIGHTING | 1 1 1 | | | 720 720 720 | 992 | 1004 | 1032 | 284 312 272 | 14 15 4 | | | EXT. LTG - WEST CANOPY EXT. LTG - SOUTH /EAST CANOP RM 120-121 LIGHTING |
| 12011201 | 1 20 1 1 20 1 | RM 120 SHELVE LIGHTING EXTERIOR LIGHTING | 1 | | 16 | 720 432 | | 1224 | 1032 | 504 600 | 8 | | | RM 120-121 LIGHTING RM 120-121 LIGHTING |
| 1 20 1 1 20 1 1 20 1 | 1 20 1 | RM 101,120,121,122 LIGHTING RM 122-123 LIGHTING RM 103 LIGHTING | | | 18 8 16 | 798 768 822 | 798 | 1738 | 1555 | 970 733 | 17 15 | | | SPARE RM 102 LIGHTING RM 122 LIGHTING |
| 1 20 1 1 20 1 | 1 20 1 1 20 1 | RM 104-119 LIGHTING SPARE | | | 44 | 1298 | 1451 | 0 | | 153 17 | 9 5 | | | RM 103 TABLE LIGHTING RM 103 TABLE LIGHTING |
| 1 20 1 1 20 1 1 20 1 | 1 20 1 | SOUTH LANSCAPE LIGHTING SIGNAGE LIGHTING RM 102 104 105 106 123 UGHTING | | | 5 10 | 150 300 670 | 300 | 670 | 150 | | | | 1 - | INVERTER PANEL "EM" - |
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| 20 1 20 1 | | SPARE SPARE SPACE | | | | | 0 | 0 | 0 | | | | | SPARE SPARE SPACE |
| | | SPACE SPACE | | | | | | 0 | 0 | | | | | SPACE SPACE |
| | | | | | | | | | | SPARE (FEEDER FEEDER X'FMR. | DEMA DEMA | | | 17.0 47.1 13.6 |
| | | SPACE | | | | TOTAL | | 0 4636 | 3769 | FEEDER FEEDER | VA (CC VA (CC VA (CC VA (CC ALLO) DECIM DEMAI | DE 1) DE 2) DE 3) DE 4) NANCE AL) ND KVA | 4 | SPACE SPACE 15.5 13.6 0.0 0.0 0.0 0.0 17.0 47.1 |



| DAT | | | | 13-Jul-12 | | | | PANEL | | | | 480/277 | | CIRCU | JIT CODE: | 1=(CONTINUOUS) | | | |
|------|--------|----|------|-------------|---|----------|------|-------|----------|--------|------|----------|--------|----------|-----------|--------------------|-------|--------|-----|
| | | 1: | | | | | | PHASE | | | | 3PH. 4W | V | | | 2=(NON-CONTINUOUS) | | | |
| PAN | | | | MCR | | | | COPPE | | | | 125A | | | | 3=(RECEPTACLES) | | | |
| | RATIN | | _ | 10000 | | | | MAINS | CB: | | | 125A | | | | 4=(KITCHEN) | | OF EQU | |
| | кт | | :B | LOAD DESIG | | | 1 | LOAD | | PHASES | | LOAD | | | - | DESIGNATION | - | В | СКТ |
| | | | POLE | DESCRIPTION | | REC | LITE | VA | Α | В | С | VA | LITE | REC | MISC | DESCRIPTION | | TRIP C | |
| 1 | 2 | 20 | | EF-3 | 1 | | | 696 | 816 | | | 120 | | \sim | | GWH-2 | | 20 | ≁ |
| 3 | 2 | 20 | 1 | EF-4 | 1 | | | 696 | | 696 | | ζ | | | | SPARE | 1 | 20 | |
| 5 | ~~~~ | 20 | | | | | | 696 | | | 696 | } | | | | SPARE | 1 | 20 | |
| 7 | 1 | 20 | 3 | RTU-5 | 1 | | | 936 | 936 | | | 2 | | | | SPARE | 1 | 20 | |
| 9 | 1 | - | - | - | 1 | | | 936 | ₹ | 936 | | <u> </u> | | | | SPARE | 1 | 20 | |
| 11 | 1 | - | - | - | 1 | | | 936 | <u>۲</u> | | 936 | <u>۲</u> | | | | SPARE | 1 | 20 | |
| , 13 | | 20 | 1 | SPARE | | | | | 0 | | | ζ | | | | SPARE | 1 | 20 | |
| 15 | | 20 | 1 | SPARE | | | | | 5 | 0 | | <u>}</u> | | | | SPARE | 1 | 20 | |
| 17 | | 20 | 1 | SPARE | | | | | <u>)</u> | | 0 | <u>}</u> | | | | SPARE | 1 | 20 | |
| 19 | | 20 | 1 | SPARE | | | | | 0 | | | <u>}</u> | | | | SPARE | 1 | 20 | |
| 21 | | 20 | 1 | SPARE | | | | | 5 | 0 | | 2 | | | | SPARE | 1 | 20 | |
| 23 | | 20 | 1 | SPARE | | | | | 2 | | 0 | \$ | | | | SPACE | | | |
| 25 | | 20 | 1 | SPARE | | | | | 0 | | | 2 | | | | SPACE | | | |
| 27 | | 20 | 1 | SPARE | | | | | 2 | 0 | | \$ | | | | SPACE | | | |
| 29 | | | | SPACE | | | | | 5 | | 0 | 2 | | | | SPACE | | | |
| 31 | | | | SPACE | | | | | 0 | | | ζ | | | | SPACE | | | |
| 33 | | | | SPACE | | | | | 3 | 0 | | 5 | | | | SPACE | | | |
| 35 | | | | SPACE | | | | | 5 | | 0 | 2 | | | | SPACE | | | |
| 37 | | | | SPACE | | | | | 0 | | | S | | | | SPACE | | | |
| 39 | | | | SPACE | | | | | 5 | 0 | | 2 | | | | SPACE | | | |
| 41 | | | | SPACE | | | | | ? | | 0 | \$ | | | | SPACE | | | |
| | \sim | | | ······ | | <u>'</u> | | TOTAL | 1752 | 1632 | 1632 | CONNE | CTEDI | ~** | i | ····· | Ľ. | | |
| | | | | | | | | L. | | - | | CONN. | (VA (C | ODE 1) |) | 2.8 | | | |
| | | | | | | | | | | | | CONN. | | | | 2.2 | | | |
| | | | | | | | | | | | | CONN. | • | | | 0.0 | | | |
| | | | | | | | | | | | | CONN. | | | | 0.0 | | | |
| | | | | | | | | | | | | TENAN | - | - | | 0.0 | | | |
| | | | | | | | | | | | | SPARE | | | | | SPARE | ΞKVA | 0.0 |
| | | | | | | | | | | | | FEEDER | | <i>,</i> | /Δ | 5.7 | | | |
| | | | | | | | | | | | | | | | MPS | 6.9 | | | |



| | DAT | : | | | | | 13-Jul-12 | | | | | PANEL | VOLTAG | E: | | 208/120\ | / | CIRCU | IT COD | E: 1=(CONTINUOUS) | | | | |
|------------|-------------|--------|-------------|----|-----|----------|------------|------------|------|-----|------|-------|------------|--------|----------|----------|-------------|----------|--------|--------------------|------|--------|-------|--------|
| L | .oc | ΑΤΙΟ | N: | | | | | | | | | PHASE | & WIRE | : | | 3PH. 4V | | ۱ | | 2=(NON-CONTINUOUS) | | | | |
| F | PAN | EL: | | | | | М | | | | | COPPE | R BUS: | | (| 225A | <u>}/</u> 3 | 3 | | 3=(RECEPTACLES) | | | | |
| A | AIC I | RATI | NG: | | | | 10000 | | | | | MAINS | CB: | | | 200A | ノ | | | 4=(KITCHEN) | NO. | OF EQ | 2UIP= | |
| | CI | π | | СВ | | | LOAI | D DESIGNAT | ON | | | LOAD | | PHASES | | LOAD | | | LOA | D DESIGNATION | 0 | з | Cł | ст |
| Ν | IO . | CODE | | PF | OLE | I | DESCRIPTIC | ON | MISC | REC | LITE | VA | А | в | С | -VA- | LUTE | REC | MISC | DESCRIPTION | POL | TRIP | CODE | 1 |
| | 1 | 2 | 20 | | 1 | | EF-1 | | 1 | | | 528 | 2972 | | | 2444 | | | 1 | CU-1 | 2 | 30 | 2 | |
| | 3 | 2 | 20 | | 1 | | EF-2 | | 1 | | | 528 | | 2972 | | 2444 | | | - | - | - | - | 2 | |
| | 5 | 2 | 40 | | 3 | •••• | RTU-4 | | 1 | | | 3838 |) | | 6334 | 2496 | | | 1 | CU-2 | 2 | 40 | 2 | 1 |
| | 7 | 2 | - | | - | | - | | - | | | 3838 | 6334 | | | 2496 | | | - | - | - | - | 2 | |
| | 9 | 2 | - | | - | | - | | - | | | 3838 | 3 | 8516 | | 4678 | | | 1 | RTU-1 | 3 | 50 | 1 | 1 |
| Ţ | | | <u>^</u> 2t | ヤ | | \cdots | GWH-1 | \cdots | | | | 120 | | | 4798 | 4678 | | | - | - | - | - | 1 | 1 |
| | 13 | 2 | 15 | | 2 | | FC-1 | | 1 | | | 562 | 5240 | | | 4678 | | | - | - | - | - | 1 | 1 |
| | 15 | 2 | | | - | | | | | | | 562 | | 3441 | | 2879 | | | 1 | RTU-2 | 3 | 35 | 2 | 1 |
| £ | 17 | \sim | 20 | 7 | 1 | ~~~~ | SPARE | | ~~~ | | | | \ | | 2879 | 2879 | | | - | - | - | - | 2 | 1 |
| 8 | 19 | | 20 | | 1 | | SPARE | | | | | | 2879 | | | 2879 | | | - | - | - | - | 2 | 2 |
| S 2 | 21 | | 20 | | 1 | | SPARE | | | | | | 2 | 0 | | 3838 | | | 1 | RTU-3 | 3 | 40 | 2 | 2 |
| ł | 23 | | 20 | | 1 | | SPARE | | | | | | 5 | | 3838 | 3838 | | | - | - | - | - | 2 | 2 |
| (| 25 | | 20 | | 1 | | SPARE | | | | | | 3838 | | | 3838 | | | - | - | - | - | 2 | 2 |
| 8 | 27 | | 20 | | 1 | | SPARE | | | | | | 5 | 0 | | 8 | | | | SPARE | 1 | 20 | | 2 |
| (| 29 | | 20 | | 1 | | SPARE | | | | | | 2 | | 0 | ζ | | | | SPARE | 1 | 20 | | 3 |
| | 31 | | | | | | SPACE | | | | | | 5 0 | | | 8 | | | | SPARE | 1 | 20 | | 3 |
| (| 33 | | | | | | SPACE | | | | | | λ | 0 | | ζ | | | | SPARE | 1 | 20 | | 3 |
| | 35 | | | | | | SPACE | | | | | | 5 | | 0 | 8 | | | | SPARE | 1 | 20 | | 3 |
| (| 37 | | | | | | SPACE | | | | | | 0 | | | ζ | | | | SPACE | | | | 3 |
| S : | 39 | | | | | | SPACE | | | | | | 5 | 0 | | } | | | | SPACE | | | | 4 |
| } | 41 | | | Τ | | | SPACE | | | | | | > | | 0 | <u> </u> | | | | SPACE | | | | 4 |
| | | | | | | ~~~~ | ~~~~ | | | ~~~ | | TOTAL | 21263 | 14929 | 17849 | CONNE | CTED | KVA | | 63.8 | | \sim | | \sim |
| | | | | | | | | | | | | | | | | CONN. | (VA (C | ODE 1) | | 14.2 | | | | |
| | | | | | | | | | | | | | | | | CONN. | (VA (C | ODE 2) | | 43.7 | | | | |
| | | | | | | | | | | | | | | | | CONN. | (VA (C | ODE 3) | | 0.0 | | | | |
| | | | | | | | | | | | | | | | | CONN. | (VA (C | ODE 4) | | 0.0 | | | | |
| | | | | | | | | | | | | | | | | TENAN | T ALLC | WANC | E KVA | 0.0 | | | | |
| | | | | | | | | | | | | | | | | SPARE | (DECIN | MAL) | | | SPAR | EKVA | 0.0 | |
| | | | | | | | | | | | | | | | | FEEDEF | | AND KV | Ά | 61.4 | | | | |
| | | | | | | | | | | | | | | | | FEEDER | | | IPS | 170.5 | | | | |
| | | | | | | | | | | | | | | | | X'FMR. | KVA | | | 57.9 | | | | |

| 3 1 20 1 RM 102 EMERGENCY LIGHTS 4 195 479 284 14 RM 101,120,122,123,124 EM. LTGS 1 20 1 4 5 20 1 SPARE 6 0 6 SPARE 1 20 1 4 7 20 1 SPARE 6 0 6 SPARE 1 20 6 9 20 1 SPARE 6 0 6 5 6 5 6< | | | | | | | | | | | | | | | | | | | | | |
|---|-----|-------|------|---|---------------------------------|------|-----|----|-------|------|-----|---|---------|-------|--------|--------|------------------------------------|-------|------|------|-----------|
| PAREL: EM COPPER BUS: 250 3-(RECETACLES) AC NATINO: 1000 MAINS CE 200 4-(NTCHEN) NO. OF EQUIPALIES) AC NATINO: LOAD DESIGNATION LOAD DESIGNATION COPPER BUS: 200 4-(NTCHEN) NO. OF EQUIPALIES) 1 200 1 RD (2002 TRIP) POLE DESCRIPTION MISIS C RC LITE VA A B C VA VA DESCRIPTION PLASES LOAD DESIGNATION COPPER BUS: 200 1.000 DESCRIPTION NO. OF EQUIPALIANCE 1 1 20 1 NN 1012121331248 HINTOS 22 100 100 100 REIO1012121331248 HINTOS 120 1 20 1 2 1< | | | | | | | | | | | | | | | CIRCU | IT COD | | | | | |
| ALC RATING: 1000 MAINS CE: 2001 4-(RTCHEN) NO. OF EQUIP- CIT CCI 0C/CT CB L0AD DESIGNATION L0AD A B C VA VIE L0AD DESCRPTON CCI CCI CCI CCI CI VIE L0AD DESIGNATION CCI CCI VA VIE Rec MISC VIE VIE COIN VIE | | | N: | | | | | | | | | | | V | | | | | | | |
| CKT CB LOAD DESIGNATION LOAD PHASES LOAD LOAD LOAD CE CKT CB CCT LOAD LOAD CE CKT CB CCT LOAD LOAD CE CCT LOAD LOAD CE CCT LOAD LOAD CE CCT LOAD LOAD CE LOAD CE LOAD CE LOAD LOAD CE LOAD LOAD LOAD LICIT < | | | | | | | | | | | | | | | | | 3=(RECEPTACLES) | | | | |
| NO. CODE TRIP POLE TRIP OESCRIPTION MISC REC LITE VA LITE REC Misc REC LITE VA LITE REC Misc DESCRIPTION POLE TRIP CODE No. 1 1 20 1 RM 101.120.122.123.124 EM.LTGS 1 20 < | AIC | RATIN | IG: | | 10000 | | | | | CB: | | | | | | | 4=(KITCHEN) | 1 | | UIP= | |
| 1 1 20 1 RM 101.120.122.123.124 EM. LTGS 22 1028 1340 312 15 RM 101.120.122.123.124 EM. LTGS 1 20 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 20 1 2 1 2 1 2 1 2 1 2 1 2 1 1 20 1 2 1 2 1 1 20 1 2 1 2 1 1 20 1 2 1 1 20 1 1 20 1 2 1 1 20 1 1 20 1 1 20 1 1 20 1 1 20 1 1 20 1 1 20 1 1 20 1 | | | | | | | | | LOAD | | | | LOAD | | | | | | - | | - |
| 3 1 20 1 RM 102 EMERGENCY LIGHTS 4 195 479 284 14 RM 101, 120, 122, 123, 124 EM, LTGS 1 20 1 4 10 SPARE 1 20 12 | NO. | CODE | TRIP | | | MISC | REC | | | Α | В | С | VA | LITE | REC | | | | TRIP | CODE | NO. |
| 6 20 1 SPARE 0 SPARE 1 20 6 7 20 1 SPARE 0 SPARE 1 20 8 9 20 1 SPARE 0 SPARE 1 20 10 11 20 1 SPARE 0 0 SPARE 1 20 10 11 20 1 SPARE 0 0 SPARE 1 20 12 11 20 1 SPARE 0 SPARE 1 20 12 11 20 1 SPARE 0 0 SPARE 1 20 12 11 20 1 SPARE 0 0 SPARE 1 20 12 11 20 1 SPARE 1 20 14 | 1 | 1 | 20 | 1 | RM 101,120,122,123,124 EM. LTGS | | | 22 | 1028 | 1340 | | | 312 | 15 | | R | M 101,120,122,123,124 EM. LTGS | 1 | 20 | 1 | 2 |
| 7 20 1 SPARE 0 SPARE 1 20 8 9 20 1 SPARE 0 SPARE 1 20 10 11 20 1 SPARE 0 SPARE 1 20 10 11 20 1 SPARE 0 SPARE 1 20 10 11 20 1 SPARE 0 SPARE 1 20 10 11 20 1 SPARE 0 SPARE 1 20 10 11 20 1 SPARE 1 20 10 | 3 | 1 | 20 | 1 | RM 102 EMERGENCY LIGHTS | | | 4 | 195 | | 479 | | 284 | 14 | | R | M 101, 120, 122, 123, 124 EM. LTGS | 1 | 20 | 1 | 4 |
| 9 20 1 SPARE 0 SPARE 1 20 10 11 20 1 SPARE 0 SPARE 1 20 10 11 20 1 SPARE 0 SPARE 1 20 10 11 20 1 SPARE 0 SPARE 1 20 10 11 20 1 SPARE 0 SPARE 1 20 10 11 20 10 <t< td=""><td>5</td><td></td><td>20</td><td>1</td><td>SPARE</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td>SPARE</td><td>1</td><td>20</td><td></td><td>6</td></t<> | 5 | | 20 | 1 | SPARE | | | | | | | 0 | | | | | SPARE | 1 | 20 | | 6 |
| 11 20 1 SPARE 1 20 12 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 7 | | 20 | 1 | SPARE | | | | | 0 | | | | | | | SPARE | 1 | 20 | | 8 |
| TOTAL 1340 473 0 CONNECTED KVA 4.0 CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 8.3 | 9 | | 20 | 1 | SPARE | | | | | | 0 | | | | | | SPARE | 1 | 20 | | 10 |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | 11 | | 20 | 1 | SPARE | | | | | | | 0 | | | | | SPARE | 1 | 20 | | 12 |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | | | | | | | | | | | | | \square |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | | | | | | | | | | | | - | |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | | | | | | | | | | | | | |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | | | | | | | | | | | | | |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | | | | | | | | | | | | | |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | _ | | | | | | | | | | | | | |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | | _ | | _ | | | | | | | | | |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | | | | | | | | | | | | | |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | | | | | | | | | | | | | |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | | | | | | | | | | | | | - |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | _ | | | | | | | | | | | | | | |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | - | | | | | | | | | | | | | | | - |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | | | | | | | | | | | | | - |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | | | | | | | | | | | | | - |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | _ | | | | | | | | | | | | | | | | | - |
| CONN.KVA (CODE 1) 1.8 CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | | 1240 | 470 | 0 | CONINE | | | | 4.0 | | | | <u> </u> |
| CONN.KVA (CODE 2) 0.0 CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | IUTAL | 1540 | 479 | 0 | | | | | | | | | |
| CONN.KVA (CODE 3) 0.0 CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | | | | | | | | | | | | | |
| CONN.KVA (CODE 4) 0.0 TENANT ALLOWANCE KVA 0.0 SPARE (DECIMAL) SPARE KVA 0.0 FEEDER DEMAND KVA 2.3 FEEDER DEMAND AMPS 6.3 | | | | | | | | | | | | | | | | | | | | | |
| TENANT ALLOWANCE KVA0.0SPARE (DECIMAL)SPARE KVA0.0FEEDER DEMAND KVA2.3FEEDER DEMAND AMPS6.3 | | | | | | | | | | | | | | | | | | | | | |
| SPARE (DECIMAL)SPARE KVA0.0FEEDER DEMAND KVA2.35FEEDER DEMAND AMPS6.35 | | | | | | | | | | | | | | | | | | | | | |
| FEEDER DEMAND KVA2.3FEEDER DEMAND AMPS6.3 | | | | | | | | | | | | | | | | E KVA | 0.0 | | | | |
| FEEDER DEMAND AMPS 6.3 | | | | | | | | | | | | | SPARE | (DECI | MAL) | | | SPARE | KVA | 0.0 | |
| | | | | | | | | | | | | | FEEDEF | R DEM | AND K\ | /A | | | | | |
| X'FMR. KVA 1.8 | | | | | | | | | | | | | FEEDER | R DEM | and Ar | IPS | 6.3 | | | | |
| | | | | | | | | | | | | | X'FMR. | KVA | | | 1.8 | | | | |

| DAT | | | | 13-Jul-12 | | | | | VOLTAC | | | 208/120 | | CIRCL | | DE: 1=(CONTINUOUS) | | | | |
|-------------|--------|----------|---|---------------------------|------|--------|------|--------|------------|----------------|------|--|--------|--------|------|-----------------------|-------|-------------|------|----------|
| | | N: | | DCB | | | | | & WIRE | | | 3PH. 5V | v | | | | | | | |
| PAN | | . | | PCR 10000 | | | | COPPE | | | | 225A 200A | | | | 3=(RECEPTACLES) | | AF F | | |
| | RATIN | | | | | | | MAINS | | DUA 050 | | 1 | | | | | | OF EG | | - |
| | KT | C | _ | | | | | | | PHASES | | LOAD | | | | | | B | CK | <u> </u> |
| | CODE | | | | MISC | | LITE | | A | В | С | VA | LITE | | MISC | DESCRIPTION | | | CODE | |
| 1 | 3 | 20 | 1 | COMM RM 124 FLOOR OUTLETS | | 2 | | 720 | 1080 | | | 360 | | 2 | | PANTRY RM 125 RECEPTS | | 20 | 3 | 2 |
| 3 | 3 | 20 | 1 | COMM RM 124 FLOOR OUTLETS | | 1 | | 360 | | 720 | | 360 | | 2 | | PANTRY RM 125 RECEPTS | 1 | 20 | 3 | 4 |
| 5 | 3 | 20 | 1 | COMM RM 124 FLOOR OUTLETS | | 1 | | 360 | | | 720 | 360 | | 1 | | AV RM 127 REC | 1 | 20 | 3 | 6 |
| 7 | 3 | 20 | 1 | COMM RM 124 RECEPTS | | 1 | | 360 | 720 | | | 360 | | 1 | | AV RM 127 REC | 1 | 20 | 3 | 8 |
| 9 | 2 | 20 | 1 | COMM RM 124 PROJ. SCREEN | 1 | | | 360 | | 720 | | 360 | | 1 | | AV RM 127 REC | 1 | 20 | 3 | 10 |
| | 3 | -20- | | STOR_RM_130_131 RECEPTS | 3 | \sim | | 540 | | | 1260 | 720 | | 4 | | ROOF RECEPTS | 1 | 20 | 3 | 12 |
| 13 | 3 | 20 | 1 | RM. 130 VIDEO PROJECTOR | | 1 | | 180 | 540 | | | 360 | | 2 | | RM 128, 129 RECEPTS | 1 | 20 | 3 | 14 |
| 15 | 1 | 20 | 1 | RWS CONTROL PANEL | 1 | | | 1000 . | R | 1540 | | 540 | | 3 | | COMM RM 124 GEN. REC. | | 20 | 3 | 16 |
| 8 17 | | 20 | 1 | SPARE | | | | | 5 | | 0 | <u>(</u> | | | | SPARE | 1 | 20 | | 18 |
| 19 | | 20 | 1 | SPARE | | | | | 0 | | | <u>}</u> | | | | SPARE | 1 | 20 | | 20 |
| 21 | | 20 | 1 | SPARE | | | | · | 5 | 0 | | <u>}</u> | | | | SPARE | 1 | 20 | | 22 |
| 23 | | 20 | 1 | SPARE | | | | | § | | 0 | <u>}</u> | | | | SPARE | 1 | 20 | | 24 |
| 25 | | 20 | 1 | SPARE | | | | . | N O | | | } | | | | SPARE | 1 | 20 | | 26 |
| 27 | | 20 | 1 | SPARE | | | | | 5 | 0 | | (| | | | SPARE | 1 | 20 | | 28 |
| (29 | | | | SPACE | | | | | R | | 0 | } | | | | SPARE | 1 | 20 | | 30 |
| 31 | | | | SPACE | | | | |) 0 | | | ζ | | | | SPACE | | | | 32 |
| 33 | | | | SPACE | | | | | 2 | 0 | | } | | | | SPACE | | | | 34 |
| 35 | | | | SPACE | | | | | S | | 0 | ζ | | | | SPACE | | | | 36 |
| 37 | | | | SPACE | | | | | 0 | | | 5 | | | | SPACE | | | | 38 |
| 3 9 | | | | SPACE | | | | | K | 0 | | 5 | | | | SPACE | | | | 40 |
| 41 | | | | SPACE | | | | | 5 | | 0 | 5 | | | | SPACE | | | | 42 |
| \sim | \sim | \sim | | | | | | TOTAL | 2340 | 2980 | 1980 | CONNE | CTED | KVA~ | | | ممن | <u>ن</u> مب | i | ~ |
| | | | | | | | | | | | | CONN. | KVA (C | ODE 1) | | 1.0 | | | | |
| | | | | | | | | | | | | CONN. | KVA (C | ODE 2) | | 0.4 | | | | |
| | | | | | | | | | | | | CONN. | KVA (C | ODE 3) | | 5.9 | | | | |
| 1 | | | | | | | | | | | | CONN. | | , | | 0.0 | | | | |
| 1 | | | | | | | | | | | | TENAN | • | | | | | | | |
| | | | | | | | | | | | | SPARE | | | | | SPARE | ΞΚΥΑ | 0.0 | |
| | | | | | | | | | | | | FEEDER | · · | , | Δ | 7.6 | | | | |
| | | | | | | | | | | | | FEEDER | | | | 21.0 | | | | |

FEEDER DEMAND AMPS X'FMR. KVA

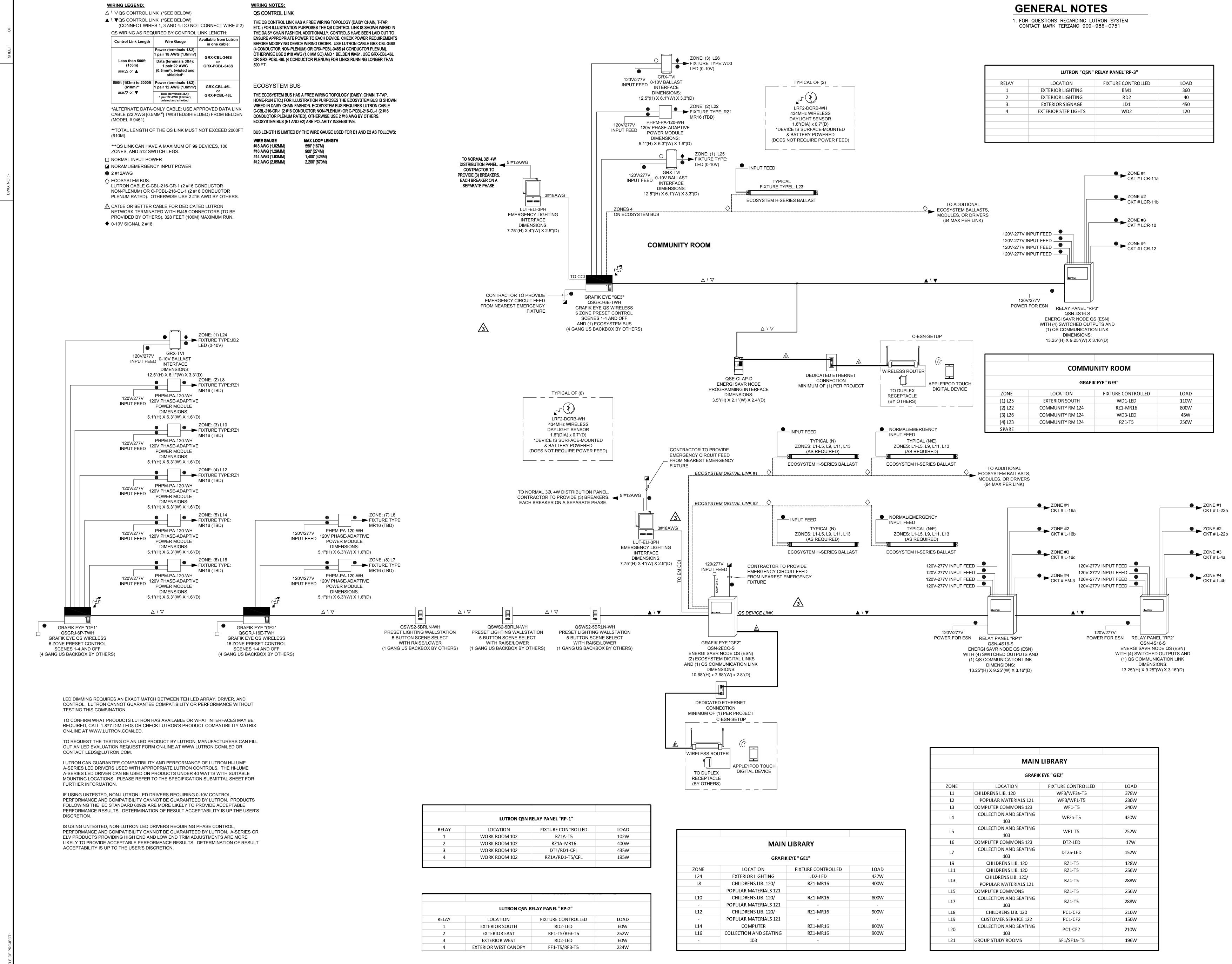
7.3

| DAT | E: | | | 13-Jul-12 | | | | PANEL | VOLTAC | GE: | | 208/120 | / | CIRCL | лт со | DE: 1=(CONTINUOUS) | | | | |
|-----|-------|------|------|----------------------|------|-------|-----|-------|--------|--------|------|---------|---------|--------|-------|-----------------------------|-------|-------|------|-------|
| LOC | :ATIO | N: | | | | | | PHASE | & WIRE | : | | 3PH. 5V | 1 | | | 2=(NON-CONTINUOUS) | | | | |
| PAN | IEL: | | | Р | | | | COPPE | R BUS: | | | 225A | | | | 3=(RECEPTACLES) | | | | |
| AIC | RATI | NG: | | 10000 | | | | MAINS | CB: | | | 200A | - | | | 4=(KITCHEN) | NO. | of Eq | UIP= | |
| C | кт | c | в | LOAD DESIGNA | TION | | | LOAD | | PHASES | 6 | LOAD | | | LO | AD DESIGNATION | c | в | CI | кт |
| NO. | CODE | TRIP | POLE | DESCRIPTION | MISC | REC L | ITE | VA | А | в | с | VA | LITE | REC | MISC | DESCRIPTION | POLE | TRIP | CODE | E NO. |
| 1 | 3 | 20 | 1 | WORKROOM 102 RECEPTS | | 3 | | 900 | 1440 | | | 540 | | З | | GRP STDY RM 104/105/106 REC | 1 | 20 | 3 | 2 |
| 3 | 3 | 20 | 1 | WORKROOM 102 RECEPTS | | 3 | | 900 | | 1440 | | 540 | | 3 | | GRP STDY RM 104/105/106 REC | 1 | 20 | 3 | 4 |
| 5 | 3 | 20 | 1 | WORKROOM 102 RECEPTS | | 2 | | 360 | | | 720 | 360 | | 2 | | COPY RM 108 REC | 1 | 20 | 3 | 6 |
| 7 | 3 | 20 | 1 | RM 103 FLOOR OUTLETS | | 2 | | 720 | 1440 | | | 720 | | 4 | | RM 109, 110, 112 RECEPTS | 1 | 20 | 3 | 8 |
| 9 | 3 | 20 | 1 | RM 103 FLOOR OUTLETS | | 2 | | 720 | | 1440 | | 720 | | 2 | | RM 123 FLOOR OUTLETS | 1 | 20 | 3 | 10 |
| 11 | 3 | 20 | 1 | RM 102 FLOOR OUTLETS | | 1 | | 360 | | | 1080 | 720 | | 2 | | RM 123 FLOOR OUTLETS | 1 | 20 | 3 | 12 |
| 13 | 3 | 20 | 1 | RM 103 FLOOR OUTLETS | | 2 | | 720 | 1440 | | | 720 | | 2 | | RM 123 FLOOR OUTLETS | 1 | 20 | 3 | 14 |
| 15 | 3 | 20 | 1 | RM 103 FLOOR OUTLETS | | 1 | | 360 | | 1260 | | 900 | | 5 | | OUTDOOR RECEPTS | 1 | 20 | 3 | 16 |
| 17 | 3 | 20 | 1 | RM 122 FLOOR OUTLETS | | 2 | | 720 | | | 1620 | 900 | | 5 | | OUTDOOR RECEPTS | 1 | 20 | 3 | 18 |
| 19 | 3 | 20 | 1 | RM 121 FLOOR OUTLETS | | 2 | | 720 | 1800 | | | 1080 | | 3 | | RM 120 FLOOR OUTLETS | 1 | 20 | 3 | 20 |
| 21 | 3 | 20 | 1 | RM 122 FLOOR OUTLETS | | 2 | | 720 | | 0 | | 720 | | 2 | | RM 120 FLOOR OUTLETS | 1 | 20 | 3 | 22 |
| 23 | 3 | 20 | 1 | RM 121 FLOOR OUTLETS | | 3 | | 1080 | | | 2080 | 1000 | | | 1 | GARBAGE DISP RM 118 | 1 | 20 | 2 | 24 |
| 25 | 3 | 20 | 1 | HAND DRYER | 1 | | | 900 | 900 | | | | | | | SPARE | 1 | 20 | | 26 |
| 27 | 3 | 20 | 1 | HAND DRYER | 1 | | | 900 | | 1800 | | 900 | | | | RM 103 RECEPTS | 1 | 20 | 3 | 28 |
| 29 | 3 | 20 | 1 | ADA PUSH BUTTONS | 1 | | | 500 | | | 2420 | 1920 | | | | LOUNGE RM 118 RECEPTS | 1 | 20 | 3 | 30 |
| 31 | 2 | 20 | 1 | HALLWAY 111 EWC | | | | 360 | 1260 | | | 900 | | | | RM 116, 118, 119 RECEPTS | 1 | 20 | 3 | 32 |
| 33 | 3 | 20 | 1 | RM 115,117 RECEPTS | | | | 720 | | 1980 | | 1260 | | \sim | | WORK RM 102 RECEPTS | | 20 | 3 | 34 |
| 35 | 3 | 20 | 1 | RM 116 RECEPTS | | | | 720 | | | 1080 | 360 | | | | AUTOMATIC SORTING MACHINE | 1 | 20 | 3 | 36 |
| 37 | 3 | 20 | 1 | ROOF RECEPTS | | | | 720 | 720 | | | 8 | | | | SPARE | 1 | 20 | | 38 |
| 39 | | 20 | 1 | SPARE | | | | | | 0 | | | | | | SPARE | 1 | 20 | | 40 |
| 41 | | 20 | 1 | SPARE | | | | | | | 600 | 600 | ~~~ | ~~ | | MOTORIZED COILING DOOR | | 20 | 2 | 42 |
| | | | | | | | | TOTAL | 9000 | 7920 | 9600 | CONNE | CTED | (VA | | 28.8 | | | | |
| | | | | | | | | | | | | CONN.I | (VA (C | ODE 1) |) | 0.0 | | | | |
| | | | | | | | | | | | | CONN.I | (VA (C | ODE 2) |) | 2.0 | | | | |
| | | | | | | | | | | | | CONN.I | (VA (C | ODE 3) |) | 26.0 | | | | |
| | | | | | | | | | | | | CONN.I | (VA (C | ODE 4) |) | 0.0 | | | | |
| | | | | | | | | | | | | TENAN | T ALLC | WANC | E KVA | 0.0 | | | | |
| | | | | | | | | | | | | SPARE | (DECI I | /IAL) | | | SPARE | EKVA | 0.0 | |
| | | | | | | | | | | | | FEEDE | | | /A | 20.0 | | | | |
| | | | | | | | | | | | | FEEDE | | | MPS | 55.4 | | | | |
| | | | | | | | | | | | | X'FMR. | KVA | | | 20.0 | | | | |

| DAT | E: | | | 13-Jul-12 | | | | PANEL | VOLTAC | E: | | 208/120 | V | CIRCU | | E: 1=(CONTINUOUS) | | | | |
|-----|--------|------|------|--------------------------|--------|-------|-------|-------|------------|--------|------|------------|--------|---------|-------|--------------------------|-------|-------|------|---|
| LOC | ATIO | N: | | | | | | PHASE | & WIRE | : | | 3PH. 4V | V | | | 2=(NON-CONTINUOUS) | | | | |
| PAN | IEL: | | | IT | | | | COPPE | R BUS: | | | 100A | | | | 3=(RECEPTACLES) | | | | |
| AIC | RATIN | IG: | | 10000 | | | | MAINS | CB: | | | 60A | | | | 4=(KITCHEN) | NO. | OF EG | UIP= | |
| C | кт | С | в | LOAD DESIGNA | TION | | | LOAD | | PHASES | | LOAD | | | LOA | D DESIGNATION | c | В | ск | т |
| NO. | CODE | TRIP | POLE | DESCRIPTION | MISC | REC | LITE | VA | A | в | С | VA | LITE | REC | MISC | DESCRIPTION | POLE | TRIP | CODE | N |
| 1 | 3 | 30 | 2 | I.T. RM 114 RACK OUTLETS | | 1 | 1800 | | 1800 | | | 1800 | | 1 | | I.T. RM 114 RACK OUTLETS | 2 | 20 | 3 | : |
| 3 | 3 | - | - | I.T. RM 114 RACK OUTLETS | | - | 1800 | | | 1800 | | 1800 | | - | | I.T. RM 114 RACK OUTLETS | - | - | 3 | 4 |
| 5 | 3 | 30 | 2 | I.T. RM 114 RACK OUTLETS | | 1 | 1800 | | | | 1800 | 1800 | | 1 | | I.T. RM 114 RACK OUTLETS | 2 | 20 | 3 | 6 |
| 7 | 3 | - | - | I.T. RM 114 RACK OUTLETS | | - | 1800 | | 1800 | | | 1800 | | - | | I.T. RM 114 RACK OUTLETS | - | - | 3 | 8 |
| 9 | 2 | 20 | 1 | I.T. RM 114 CATV | 1 | | | | | 800 | | 800 | | | 1 | I.T. RM 114 *FACP | 1 | 20 | 2 | 1 |
| 11 | 2 | 20 | 1 | I.T. RM 114 TELCO | 1 | | | | | | 800 | 800 | | | 1 | I.T. RM 114 SECURITY | 1 | 20 | 2 | 1 |
| 13 | 2 | 20 | | LI RM 114 BET | | | | | 720 | | | 720 | | 4 | | IT ROOM GEN USE RECEPT | | 20 | 3 | 1 |
| 15 | | 20 | 1 | SPARE | | | | | | 0 | | <u>{</u> } | | | | SPARE | 1 | 20 | | 1 |
| 17 | | 20 | 1 | SPARE | | | | | 2 | | 0 | 5 | | | | SPARE | 1 | 20 | | 1 |
| 19 | | 20 | 1 | SPARE | | | | | K o | | | <u>۶</u> | | | | SPARE | 1 | 20 | | 2 |
| 21 | | 20 | 1 | SPARE | | | | | Ş 🔰 | 0 | | 8 | | | | SPARE | 1 | 20 | | 2 |
| 23 | | 20 | 1 | SPARE | | | | | R | | 0 | \$ | | | | SPARE | 1 | 20 | | 2 |
| 25 | | 20 | 1 | SPARE | | | | | 0 | | | 8 | | | | SPARE | 1 | 20 | | 2 |
| 27 | | 20 | 1 | SPARE | | | | | R | 0 | | Ç | | | | SPARE | 1 | 20 | | 2 |
| 29 | | | | SPACE | | | | | 5 | | 0 | 8 | | | | SPACE | | | | 3 |
| 31 | | | | SPACE | | | | | R o | | | T | | | | SPACE | | | | 3 |
| 33 | | | | SPACE | | | | | S | 0 | | 8 | | | | SPACE | | | | 3 |
| 35 | | | | SPACE | | | | | R | | 0 | ₹ | | | | SPACE | | | | 3 |
| 37 | | | | SPACE | | | | | δο | | | 8 | | | | SPACE | | | | 3 |
| 39 | | | | SPACE | | | | | Į – | 0 | | 5 | | | | SPACE | | | | 4 |
| 41 | | | | SPACE | | | | | ß | | 0 | { | | | | SPACE | | | | 4 |
| | \sim | | نعد | | | | | TOTAL | 4320 | 2600 | 2600 | CONNE | CTED | KVA | ~~ | 13.0 | | | ~~~ | |
| | | | | | | | | | | | | CONN.I | KVA (C | :ODE 1) | | 0.0 | | | | |
| | | | | | | | | | | | | CONN.I | KVA (C | ODE 2) | | 1.6 | | | | |
| | | | | | | | | | | | | CONN.I | KVA (C | ODE 3) | | 7.9 | | | | |
| | | | | * = CONTRACTOR TO PROV | IDE LO | CK-ON | DEVIC | Æ. | | | | CONN.I | KVA (C | ODE 4) | | 0.0 | | | | |
| | | | | | | | | | | | | TENAN | T ALLO | OWANC | E KVA | 0.0 | | | | |
| | | | | | | | | | | | | SPARE | (DECI | MAL) | | | SPARE | ΞΚ٧Α | 0.0 | |
| | | | | | | | | | | | | FEEDE | - | | Ά | 9.5 | | | | |
| | | | | | | | | | | | | FEEDE | | | | 26.4 | | | | |
| | | | | | | | | | | | | X'FMR. | κνΔ | | | 9.5 | | | | |

| LE | GEN | D |
|-----|-----|-----|
| LCR | MCR | PCR |
| L | М | Р |
| | EM | IT |

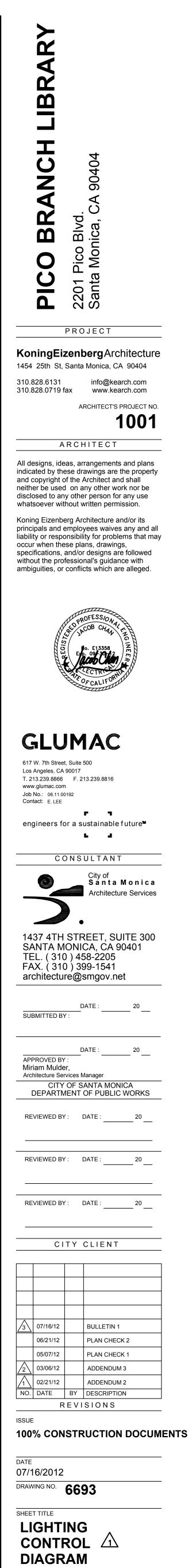




| LUTRON QSN RELAY PANEL "RP-2" | | | | | |
|-------------------------------|----------------------|--------------------|------|--|--|
| RELAY | LOCATION | FIXTURE CONTROLLED | LOAD | | |
| 1 | EXTERIOR SOUTH | RD2-LED | 60W | | |
| 2 | EXTERIOR EAST | RF1-T5/RF3-T5 | 252W | | |
| 3 | EXTERIOR WEST | RD2-LED | 60W | | |
| 4 | EXTERIOR WEST CANOPY | FF1-T5/RF3-T5 | 224W | | |
| 4 | | | | | |

| MAIN LIBRARY | | | | | |
|------------------|--|--------------------|------|--|--|
| GRAFIK EYE "GE2" | | | | | |
| ZONE | LOCATION | FIXTURE CONTROLLED | LOAD | | |
| L1 | CHILDRENS LIB. 120 | WF3/WF3a-T5 | 378W | | |
| L2 | POPULAR MATERIALS 121 | WF3/WF1-T5 | 230W | | |
| L3 | COMPUTER COMMONS 123 | WF1-T5 | 240W | | |
| L4 | COLLECTION AND SEATING 103 | WF2a-T5 | 420W | | |
| L5 | COLLECTION AND SEATING 103 | WF1-T5 | 252W | | |
| L6 | COMPUTER COMMONS 123 | DT2-LED | 17W | | |
| L7 | COLLECTION AND SEATING 103 | DT2a-LED | 152W | | |
| L9 | CHILDRENS LIB. 120 | RZ1-T5 | 128W | | |
| L11 | CHILDRENS LIB. 120 | RZ1-T5 | 256W | | |
| L13 | CHILDRENS LIB. 120/ POPULAR MATERIALS 121 | RZ1-T5 | 288W | | |
| L15 | COMPUTER COMMONS | RZ1-T5 | 256W | | |
| L17 | COLLECTION AND SEATING 103 | RZ1-T5 | 288W | | |
| L18 | CHILDRENS LIB. 120 | PC1-CF2 | 210W | | |
| L19 | CUSTOMER SERVICE 122 | PC1-CF2 | 150W | | |
| L20 | COLLECTION AND SEATING 103 | PC1-CF2 | 210W | | |
| L21 | GROUP STUDY ROOMS | SF1/SF1a-T5 | 196W | | |

| ARY | |
|----------------|------|
| E1" | |
| URE CONTROLLED | LOAD |
| JD2-LED | 427W |
| RZ1-MR16 | 400W |
| - | - |
| RZ1-MR16 | 800W |
| - | - |
| RZ1-MR16 | 900W |
| - | - |
| RZ1-MR16 | 800W |
| RZ1-MR16 | 900W |
| - | |
| | |



SHEET NO.

F5