

Table with 2 columns: NO., DATE, PERMIT/BID SET

Table with 2 columns: NO., DATE, DESCRIPTION

Table with 2 columns: DATE, 08/20/2018; DRAWN BY: STAFF; PROJECT NO.: 18125; FILE NAME: 2018-0918 E3.1.dwg

ELECTRICAL DETAILS

E3.1

GENERAL NOTES

- 1. FINAL CONNECTIONS TO LIGHT FIXTURES SHALL BE MADE WITH GREENFIELD FLEXIBLE CONDUIT... 2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHT FIXTURES... 3. ALL DEVICES, EQUIPMENT, FIXTURES, & THE LIKE, MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR...

ELECTRICAL ABBREVIATIONS

- A AMPERES; AC AIR CONDITIONING UNIT; AFC ABOVE FINISH CEILING; AFF ABOVE FINISH FLOOR; AFG ABOVE FINISH GRADE; AHU AIR HANDLING UNIT; ASYMETRICAL INTERRUPTING CIRCUIT BREAKER; ARCH ARCHITECTURAL; ATS AUTOMATIC TRANSFER SWITCH; AWG AMERICAN WIRE GAGE; BKR BREAKER; BLDGS BUILDING; C CONDUIT; CATV CABLE TELEVISION; CCTV CLOSED CIRCUIT TELEVISION; CH CHILLER; CONTR CONTRACTOR; CT COOLING TOWER; CU COPPER; CUH CABINET UNIT HEATER; DE DUAL ELEMENT; DN DOWN; DS DISCONNECT SWITCH; DWG DRAWING; (E) or EXIST. EXISTING; EBB ELECTRICAL BASEBOARD; E.C. ELECTRICAL CONTRACTOR; EF EXHAUST FAN; EH ELECTRIC HEATER; ELEC ELECTRICAL; EMT ELECTRICAL METALLIC TUBING; EQ EQUAL; ETR EXISTING TO REMAIN; EUH ELECTRIC UNIT HEATER; EWC ELECTRIC WATER COOLER; EWH ELECTRIC WATER HEATER; F FUSE; FA FIRE ALARM; FACP FIRE ALARM CONTROL PANEL; FC FAN COIL UNIT; FLUOR FLUORESCENT; FPB FAN POWER BOX (NAV); F.P.C. FIRE PROTECTION CONTRACTOR; FS FLOW SWITCH; FT FOOTFEEIT; G.C. GENERAL CONTRACTOR; GFI GROUND FAULT INTERRUPTING PROTECTION; GND GROUND; HD HIGH INTENSITY DISCHARGE; HPA HAND-OFF-AUTOMATIC; HRS HORSEPOWER; HPS HIGH PRESSURE SODIUM; HVAC HEATING, VENTILATION, AIR CONDITIONING; IG ISOLATED GROUND; INCAND. INCANDESCENT; JB JUNCTION BOX; KCMIL ONE THOUSAND CIRCULAR MILS; K.E.C. KITCHEN EQUIPMENT CONTRACTOR; KVA KILOVOLT AMPERE; KW KILOWATT; LIT LIGHTING; MAU MASTER ANTENNA TV; MAX MAXIMUM; MCB MAIN CIRCUIT BREAKER; MCC MOTOR CONTROL CENTER; M.C. MECHANICAL CONTRACTOR; MFR MANUFACTURER; MH METAL HALIDE; MIN MINIMUM; MLO MAIN LUGS ONLY; MOD MOTOR OPERATED DAMPER; MSB MAIN SWITCHBOARD; MTD MOUNTED; NEC NATIONAL ELECTRICAL CODE; NF NON FUSED; NFPA NATIONAL FIRE PROTECTION ASSOCIATION; NIC NOT IN CONTRACT; NL NIGHT-LIGHT; NTS NOT TO SCALE; P PHASE; PB PULL BOX; P.C. PLUMBING CONTRACTOR; PH PANEL; PRE POWER ROOF EXHAUSTER; PVC POLYVINYL CHLORIDE; RTU ROOF TOP UNIT; SPR SPEAKER; ST SINGLE POLE SINGLE THROW; STS MULTIPLE OUTLETS THROWN ON SAME BRANCH CIRCUIT; TS TELEPHONE TERMINAL BOARD; TB TELEPHONE; TV TELEVISION; UH GAS FRESH AIR HEATER; UL UNDERWRITERS LABORATORY; UNO UNLESS NOTED OTHERWISE; UNO UNLESS NOTED OTHERWISE; V VOLTAGE; W WIRE; WP WEATHER-PROOF TYPE (NEMA 3R RATED); WR WEATHER RESISTANT TYPE DEVICE (NEMA 3R RATED); XTMR TRANSFORMER

ELECTRICAL SYMBOL LEGEND

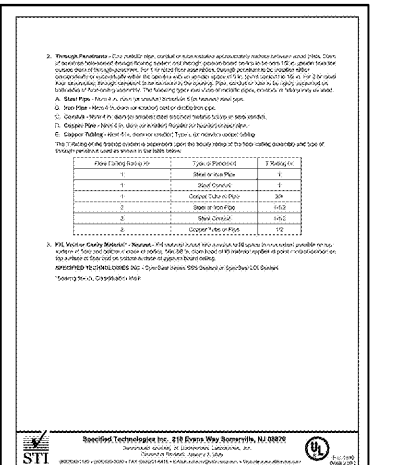
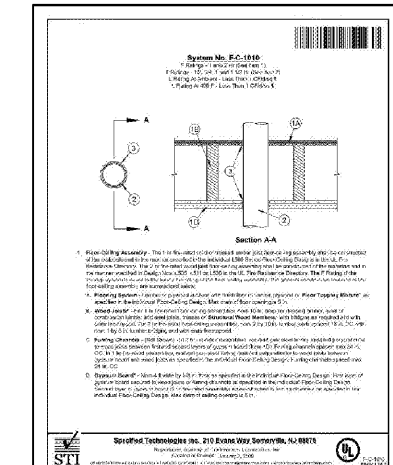
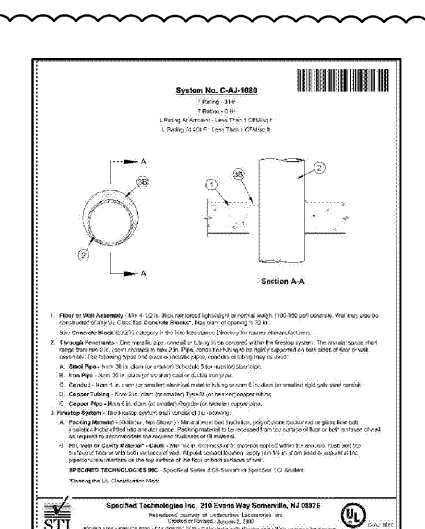
Table with 2 columns: SYMBOL, DESCRIPTION. Includes symbols for conduit, disconnect switch, transformer, emergency light, wall mounted exit light, ceiling mounted exit light, and fluorescent light fixture.

LIGHT FIXTURE SCHEDULE

Table with columns: SYMBOL, TYPE, MANUFACTURER, PRODUCT NUMBER, FINISH, DESCRIPTION, LAMPING, MTG METHOD, MTG HT, LOAD (VA), VOLTAGE, COMMENTS. Lists various light fixtures like recessed accent display lights, emergency lights, and exit signs.

ALL FIXTURES TO BE NEW UNLESS NOTED OTHERWISE. WHERE EXISTING FIXTURES ARE TO REMAIN, REPLACE FIXTURES/BALLASTS AND LAMPS AS NECESSARY FOR LINE NEW APPEARANCE AND OPERATION. ALL LIGHT FIXTURES AND LIGHTING CONTROLS PROVIDED BY CAPITAL LIGHT. BASIS OF DESIGN IS WATSTOPPER DIGITAL SYSTEM. IF YOU HAVE ANY COMMENTS PLEASE CONTACT WATSTOPPER LICENSE #115314-0201 G.C. TO COORDINATE A START-UP DATE WITH WATSTOPPER AND CAPTOL LIGHT. G.C. TO CONTACT WATSTOPPER FOR FIELD TECHNICAL SERVICE AT 888-333-3333 TO SCHEDULE A START-UP VISIT.

- 1. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND/OR ROOM FINISH SCHEDULE TO DETERMINE THE PROPER TYPE OF LIGHT FIXTURE REQUIRED FOR THE CEILING CONSTRUCTION PRIOR TO ORDERING THE FIXTURES & PROVIDE FIXTURES THAT ARE COMPATIBLE WITH THE CEILING SYSTEM. 2. ALL MR16 LAMPS SHALL BE 10,000 HOUR LAMPS. 3. WHERE LIGHT FIXTURES ARE NOTED TO HAVE EMERGENCY BALLASTS THE EMERGENCY BALLASTS SHALL PRODUCE A MINIMUM OF NINETY (90) MINUTES OF CODE REQUIRED EMERGENCY LIGHTING. EACH EMERGENCY BALLAST PROVIDED SHALL PRODUCE THE MAXIMUM LUMEN OUTPUT AVAILABLE FOR THE LAMP USED. EMERGENCY LIGHTING BALLASTS SHALL BE BETA ONE OR APPROVED EQUIVALENT.



UL PENETRATION DETAILS