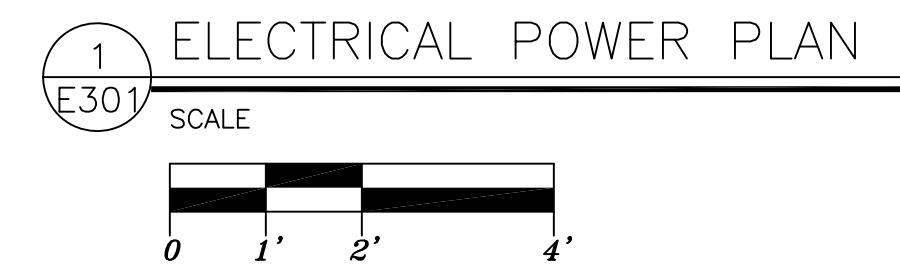


PROJECT NOTES, NEW WORK:

- UNLESS NOTED OTHERWISE, ALL WIRING SHALL BE SURFACE MOUNTED, RUN IN CONDUIT.
- UNLESS NOTED OTHERWISE, ALL HOMERUNS SHOWN ARE 3/4"C., 2#12, 1#12G. TO 20A-1P C/B IN PANEL LISTED.
- UNLESS NOTED OTHERWISE, ALL POWER WIRING OF CIRCUIT SHALL MATCH HOMERUN WIRING OF CIRCUIT. MINIMUM POWER WIRING SHALL BE 3/4"C., 2#12, 1#12G. MINIMUM CONTROL WIRING SHALL BE 3/4"C., 2#14.
- ACCESS TO AND CLEARANCES AROUND NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL CONFORM TO N.E.C. ARTICLE 110. CONSULT ENGINEER WHERE SPACE APPEARS INADEQUATE DUE TO ARCHITECTURAL CHANGES, EQUIPMENT LAYOUT CHANGES, OR FIELD CONDITIONS.
- COORDINATE INSTALLATION OF WIRING, PIPING, AND DUCTWORK BETWEEN TRADES. WATER PIPING SHALL NOT BE RUN ABOVE ELECTRICAL EQUIPMENT. PIPING AND DUCTWORK SHALL NOT BE RUN IN DEDICATED SPACE ABOVE OR IN FRONT OF PANELBOARDS OR SWITCHBOARDS.
- FLOOR PLANS SHOW EQUIPMENT LOCATIONS ONLY. REFER TO RISERS, SCHEDULES, AND DETAILS FOR ALL REQUIRED POWER AND CONTROL WIRING. WIRING SHOWN IS SCHEMATIC IN NATURE. PROVIDE PULL BOXES, JUNCTION BOXES, FITTINGS, OFFSETS, AND BENDS AS REQUIRED TO COMPLETE WORK. COORDINATE CONDUIT ROUTES IN FIELD WITH OTHER TRADES AND OWNER.
- COORDINATE EXACT LOCATIONS OF CONDUIT ENTRY INTO GENERATOR ENCLOSURE WITH DIMENSIONS FROM GENERATOR VENDOR.
COORDINATE ALL EXCAVATION AND LOCATION OF CONDUIT BELOW GRADE WITH NEW AND EXISTING UTILITIES. CONTRACTOR MUST LOCATE AND MARK ALL UNDERGROUND UTILITIES BEFORE BEGINNING WORK. CONTRACTOR MUST NOTIFY "CALL BEFORE YOU DIG". MUCH OF THE EXCAVATION SHALL BE DONE BY HAND DUE TO THE CONCENTRATION OF EXISTING UTILITIES.
- ALL FIRE ALARM SYSTEM JUNCTION BOXES SHALL BE PAINTED RED. FIRE ALARM SYSTEM CONDUITS SHALL BE IDENTIFIED WITH A 1 INCH WIDE RED MARKER OR RED PAINT BAND EVERY 10 FEET.
- PROVIDE WIRING AND OVERCURRENT PROTECTION OF MECHANICAL AND ELECTRICAL EQUIPMENT MEETING SELECTED VENDORS SHOP DRAWING REQUIREMENTS. CONFIRM EQUIPMENT FULL LOAD AMPS, WIRE SIZE AMPS, MAXIMUM OVERCURRENT PROTECTION RATING AND TYPE (C/B OR FUSE REQUIRED). EQUIPMENT SUBSTITUTED FOR EXACT ITEM SPECIFIED SHALL NOT INCUR ADDITIONAL INSTALLATION COSTS TO OWNER. COORDINATE EXACT LOCATIONS OF ELECTRICAL SERVICES TO EQUIPMENT WITH OTHER TRADES, FIELD CONDITIONS, AND ACCESS REQUIREMENTS.
- CONTRACTOR IS PERMITTED TO USE LARGER CONDUIT SIZES THAN SHOWN ON THE DRAWINGS AS LONG AS THE INSTALLATION FITS IN THE SPACE AVAILABLE FOR THE CONDUIT ROUTE. BE AWARE THAT NEC PULLBOX SIZES MAY NEED TO BE INCREASED. LARGER SIZE MUST BE SUITABLE FOR AVAILABLE AREA OF CONDUIT PENETRATIONS INTO EQUIPMENT. THERE SHALL BE NO COST INCREASE TO OWNER FOR THIS TYPE OF SUBSTITUTION.
- WIRING SHOWN RUN TO BUILDING MASTER ALARMS JUNCTION BOX (MAJB) SHALL BE STRANDED, #16 AWG, COPPER, THHN, RUN IN 3/4" CONDUIT MINIMUM. WIRING FOR MULTIPLE ALARMS MAY BE COMBINED INTO A SINGLE CONDUIT. WIRING SHALL NOT BE SPLICED.
- CONTRACTOR IS RESPONSIBLE FOR ALL RIGGING OF EQUIPMENT SUPPLIED UNDER THIS CONTRACT. THIS INCLUDES EQUIPMENT THAT IS PRE-PURCHASED BY THE OWNER.



AMES & WHITAKER Architects
MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS
31 Liberty Street, Suite 208 Southington, Connecticut 06489 (860) 621-8944 Fax (860) 621-0957

CPS ENGINEERING, INC.
MECHANICAL AND ELECTRICAL ENGINEERS
90 NATIONAL DRIVE, GLASTONBURY, CT 06033
Tel. 860-657-8118 Fax 860-657-8999

2015.01.083

REVISIONS / AUTHORIZATIONS		
NO.	REVISIONS / AUTHORIZATIONS	DATE
BID SET		08/30/17

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PROJECT TITLE:
TELECOMMUNICATIONS HUT
UNION STATION PLAZA
240-280 SAINT JOHN ST
PORTLAND

PTLFME01 Archoid AAB7WI

SHEET TITLE:
ELECTRICAL POWER PLAN

AT&T PROJECT NUMBER: E15823	DATE: 08/30/2017	SCALE: AS NOTED
DRAWN BY: JAP	CHECKED BY: SJM	
SHEET: 6	OF: 15 SHEETS	SHEET NO. E301

**CONSTRUCTION DOCUMENT
SUBMISSION (BID SET)**

