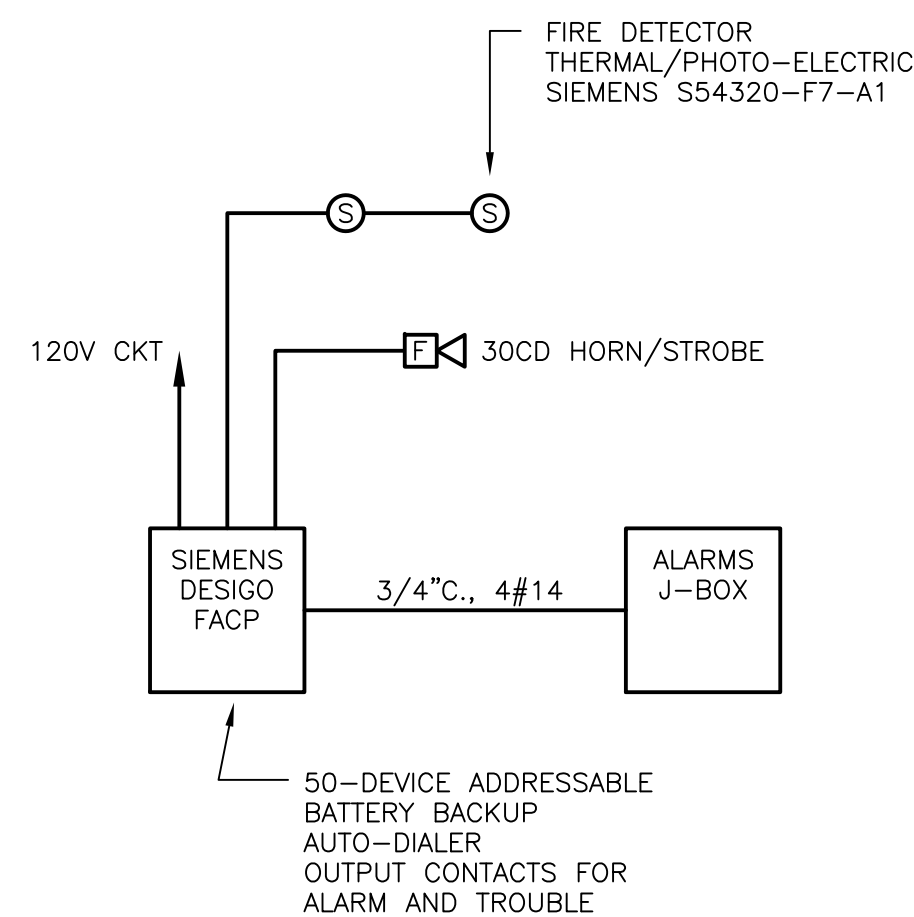


ELECTRICAL LEGEND	
	DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER OR CONTACTOR
	COMBINATION DISCONNECT SWITCH/MAGNETIC MOTOR STARTER OR CONTACTOR
	JUNCTION OR PULL BOX SYMBOLS
	PANELBOARD WITH MAIN LUGS
	PANELBOARD WITH MAIN CIRCUIT BREAKER
	TRANSFORMER
	CIRCUIT BREAKER
	FUSED SWITCH
	AUTOMATIC TRANSFER SWITCH - A.T.S. MANUAL TRANSFER SWITCH - M.T.S.
	CONNECTION TO GROUND OR GROUND ELECTRODE
	MOTOR
	GENERATOR
	FUSE - TYPE AS NOTED
	LIGHTNING ARRESTOR
	CURRENT TRANSFORMER (ABBR. C.T.)
	POTENTIAL TRANSFORMER (ABBR. P.T.)
	NORMALLY OPEN (N.O.) CONTACT
	NORMALLY CLOSED (N.C.) CONTACT
	RELAY COIL
	DUPLEX RECEPTACLE
	QUAD RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE
	HOMERUN TO C/B IN PANEL LISTED TO 20A-1P C/B UNLESS NOTED OTHERWISE
	PANELBOARD (FLOOR PLAN SYMBOL)
	SINGLE POLE SWITCH
	THREE WAY SWITCH
	FLUORESCENT OR LED LIGHT FIXTURE SEE LIGHTING FIXTURE SCHEDULE FOR EACH TYPE.
	FLUORESCENT OR LED LIGHT FIXTURE WITH BATTERY BACKUP. SEE LIGHTING FIXTURE SCHEDULE FOR EACH TYPE.
	WALL MOUNTED LIGHT FIXTURE SEE LIGHTING FIXTURE SCHEDULE FOR EACH TYPE.
	BATTERY POWERED EMERGENCY LIGHT FIXTURE SEE LIGHTING FIXTURE SCHEDULE FOR EACH TYPE.
	SINGLE OR DOUBLE FACE EXIT LIGHT SEE LIGHTING FIXTURE SCHEDULE FOR EACH TYPE.
	"EXISTING" SHOWN LIGHT
	"NEW WORK" SHOWN HEAVY

ABBREVIATIONS

A	AMPERE	AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR	AIC	AMPERE INTERRUPTING CAPACITY
AT	AMPERE TRIP	AUX	AUXILIARY
C	CONDUIT	CAB	CABINET
C/B	CIRCUIT BREAKER	CKT	CIRCUIT
CLG	CEILING	COL	COLUMN
COORD	COORDINATE	CPT	CONTROL POWER TRANSFORMER
CTRLS	CONTROLS	CU	COPPER
DISC	DISCONNECT	DIV	DIVISION
DN	DOWN	DWG	DRAWING
ENCL	ENCLOSURE	EQUIP	EQUIPMENT
EXST	EXISTING	G, GND	GROUND
GFI	GROUND FAULT CIRCUIT BREAKER OR RECEPTACLE	HP	HORSEPOWER
K	KILO, 1000	KCMIL	THOUSAND CIRCULAR MILS
KV	KILO-VOLT	KVA	KILOVOLT-AMPERE
KW	KILOWATT	LTG	LIGHTING
LTS	LIGHTS	LTS	LIGHTS
MAX	MAXIMUM	MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER	MCM	THOUSAND CIRCULAR MILS
MLO	MAIN LUGS ONLY	MO	MANUALLY OPERATED
MTD	MOUNTED	MTR	MOTOR
N	NEUTRAL	NC	NORMALLY CLOSED
NF	NON-FUSED	NO	NORMALLY OPEN
P	POLE(S)	PH, Ø	PHASE
PRI	PRIMARY	RECEPT	RECEPTACLE
RM	ROOM	RSC	RIGID STEEL CONDUIT, GALVANIZED
SEC	SECONDARY	SW	SWITCH
SS	STAINLESS STEEL	ST	SHUNT TRIP
TW SH	TWISTED SHIELDED	TX, TXF	TRANSFORMER
V	VOLTS	VA	VOLT-AMPERES
W	WATT, WIRE	W/	WITH
WP	WEATHERPROOF DEVICE OR EQUIPMENT		



FIRE ALARM RISER NOTES:

- ALL WIRING SHALL BE RUN IN 3/4" CONDUIT MINIMUM, ADHERING TO NEC PIPE FILL REQUIREMENTS.
- WIRING FOR HORN/STROBES AND STROBES SHALL BE 2#14 AWG, SOLID CU.
- WIRING FOR INITIATING DEVICES SHALL BE 2#16 AWG TWISTED, SHIELDED, SOLID CU.
- WIRING FOR EACH OF THE FOLLOWING SHALL BE RUN IN SEPARATE DEDICATED CONDUITS: INITIATING DEVICES, HORN/STROBES, 120VAC POWER.
- PROVIDE THE SERVICES OF SIEMENS CERBERUS DIVISION, TO PROVIDE FIRE ALARM SYSTEM.
- THIS DRAWING SHALL BE USED FOR BIDDING PURPOSES ONLY. USE MANUFACTURERS DRAWINGS FOR CONSTRUCTION. SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW.
- HORN/STROBES AND STROBES SHALL BE MOUNTED AT 80" ABOVE FINISHED FLOOR OR 6" BELOW THE CEILING, WHICHEVER IS LOWER. PULL STATIONS SHALL BE MOUNTED AT 48" AFF. MEASUREMENTS ARE TO THE CENTER OF THE BACKBOX.
- IDENTIFY FIRE ALARM DEVICES AS FOLLOWS: LOOP#, DEVICE# ON LOOP. IDENTIFY REMOTE INDICATOR LIGHTS BY THE LOOP AND DEVICE NUMBERS WHICH THEY SERVE. USE PERMANENT LABELS LARGE ENOUGH TO BE READ FROM FLOOR LEVEL.
- SMOKE DETECTORS SHALL BE LOCATED AT A MINIMUM DISTANCE OF 4 FEET TO ANY AIR DIFFUSER.
- THE ALLIANCE CONTRACTOR SHALL SUBMIT, UNDER SEPARATE COVER, DETAILED MANUFACTURER'S PRODUCT DATA SHEETS TO AON FPE AS SOON AS THEY BECOME AVAILABLE. SPECIFIC INFORMATION PROVIDED ON THESE DATA SHEETS IS NOT INCLUDED ON THESE PROJECT DRAWINGS.
- AS PART OF THE SUBMITTAL REVIEW PROCESS, FIRE ALARM VENDOR SHALL PROVIDE A DETAILED SEQUENCE OF OPERATION MATRIX AND BATTERY CALCULATIONS OF THE NEW FIRE ALARM SYSTEM.
- CONTRACTOR SHALL COMPLY WITH AT&T FIRE ALARM STANDARD PRACTICE # CRE-28-31-00-ATP-001

APPLICABLE SPECIFICATION SECTIONS

- 26 00 10 - GENERAL REQUIREMENTS FOR ELECTRICAL WORK
- 26 05 00 - BASIC MATERIALS AND METHODS
- 26 05 26 - ELECTRICAL GROUNDING
- 26 05 48 - SEISMIC RESTRAINT FOR ELECTRICAL SYSTEMS
- 26 22 13 - DRY-TYPE GENERAL PURPOSE TRANSFORMERS
- 26 24 13 - SWITCHBOARDS
- 26 24 16 - PANELBOARDS
- 26 24 19 - MOTOR CONTROL CENTERS
- 26 28 00 - FUSIBLE SWITCHES
- 26 28 16 - MOLDED CASE CIRCUIT BREAKERS
- 26 29 00 - ENCLOSED MOTOR STARTERS AND CONTACTORS
- 26 32 13 - STANDBY POWER GENERATOR SYSTEMS
- 26 36 23 - AUTOMATIC TRANSFER SWITCH
- 26 50 00 - LIGHTING
- 28 31 00 - FIRE ALARM SYSTEM

ALL WORK SHALL CONFORM TO AT&T CONNECTICUT REAL ESTATE MASTER ELECTRICAL SPECIFICATIONS VERSION 7.0 DATED DECEMBER 2014 WHICH IS AVAILABLE UPON REQUEST.

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2015.01.083

REVISIONS / AUTHORIZATIONS

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

PROPRIETARY AT&T INFORMATION
NOT FOR GENERAL USE OR DISCLOSURE OUTSIDE OF AT&T
THIS INFORMATION MAY ONLY BE USED BY AUTHORIZED PERSONNEL OF THE LOCAL GOVERNMENT AGENCY IN CONNECTION WITH APPLICATION FOR PERMITS AND AUTHORIZATIONS FOR BUILDINGS, CONSTRUCTION, AND/OR ZONING CHANGES.

DRAWINGS PREPARED FOR
 AT&T CORPORATE REAL ESTATE

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

PTLFME01 Archoid AAB7WI

SHEET TITLE:
ELECTRICAL LEGENDS, SCHEDULES & DETAILS

AT&T PROJECT NUMBER: E15823	DATE: 08/30/2017	SCALE: AS NOTED
AT&T AUTHORIZATION:	DRAWN BY: JAP	CHECKED BY: SJM
	SHEET: 10 OF: 15 SHEETS	SHEET NO. E801
GREGG MIRANDO	AT&T DRAWING NO.:	

**CONSTRUCTION DOCUMENT
SUBMISSION (BID SET)**