



TERMINAL #	ENGINE	ALARM NAME	Priority & Minimum or additional alarms (given expt is present at site)	PRIORITY	NE OUTPUT VERBIAGE	NMA CONDITION TYPE: (External Alarm Device Syntax)	Remote Surveillance Center Responding
1,2	Engine Charger Malfunction - Current - (replaced eng-start-fail-#)	eng-chrgfl-1	MINIMUM	45	ENGCHRGFL	eng-chrgfl-1	P-NBRC
3,4	Engine Fail	eng-fail-1	DEADLY T	2	ENGFAL	eng-fail-1	P-NBRC
5,6	Engine Minor	eng-minor-1	MINIMUM	35	ENGMIN	eng-minor-1	P-NBRC
7,8	Engine Not in Auto	eng-not-in-auto-1	ALARM	40	ENGINOIA	eng-not-in-auto-1	P-NBRC
9,10	Engine Over-drunk	eng-overcrnk-1	ADDITIONAL	35	ENGOVCR	eng-overcrnk-1	P-NBRC
11,12	Engine Run	eng-run-1	DEADLY T	45	ENGRUN	eng-run-1	P-NBRC
30,31	Engine System Proper Operation (ATS Switchgear)	swg-prop-oper-1	ADDITIONAL	45	SWPROPOP	swg-prop-oper-1	P-NBRC
20,21	PORTABLE ENGINE - RUN	port-eng-run-1	MINIMUM	45	PORTENGRUN	port-eng-run-1	P-NBRC
22,23	PORTABLE ENGINE - FAIL/ALARM	port-eng-fail-1	MINIMUM	2	PORTENGFAL	port-eng-fail-1	P-NBRC
24,25	PORTABLE ENGINE - BATTERY CHARGER FAIL	port-eng-chrgfl-1	MINIMUM	45	PORTENGFAL	port-eng-chrgfl-1	P-NBRC
26,27	PORTABLE ENGINE - FAIL/ALARM MINOR	port-eng-misc-mn-1	ADDITIONAL	45	PORTENGFAL	port-eng-misc-mn-1	P-NBRC
28,29	PORTABLE ENGINE - LOW FUEL	port-eng-misc-mn-1	ADDITIONAL	45	PORTENGFAL	port-eng-misc-mn-1	P-NBRC
30,31	TRANSFER SWITCH NOT IN AUTO	eng-ats-bfr-1	ADDITIONAL	45	ENGTNSW	eng-ats-bfr-1	P-NBRC
32,33	TRANSFER SWITCH EMERGENCY	eng-ats-bfr-emer-1	MINIMUM	45	ENGTNSW	eng-ats-bfr-emer-1	P-NBRC
40,41	Engine Fuel Leak/Spill	eng-fuel-leak-1	DEADLY T	2	FUEL LEAK	eng-fuel-leak-1	P-NBRC
42,43	Engine Fuel Low	eng-fuel-low-1	MINIMUM	35	ENGFUELOW	eng-fuel-low-1	P-NBRC
44,45	Engine Fuel Monitoring System Alarm	eng-fuel-mon-sys-1	MINIMUM	35	FUEL MON	eng-fuel-mon-sys-1	P-NBRC
36,37	AC POWER FAIL	pw-comm-pwr-fail-1	DEADLY T	10	COMM AC	pw-comm-pwr-fail-1	CREP-NBRC
50,51	AIR HANDLER	env-air-handl-fail-1	MINIMUM	35	AIRHANDL	env-air-handl-fail-1	CRE
52,53	EXPLOSIVE GAS	env-expl-gas-1	ADDITIONAL	45	EXPL GAS	env-expl-gas-1	CRE
38,39	SURGE PROTECTOR	env-surge-protect-1	MINIMUM	2	SURPROT	env-surge-protect-1	CRE
54,55	HUMIDITY HIGH - EQUIP ROOM	env-humid-hi-2	MINIMUM	35	HUMID	env-humid-hi-2	CRE
56,57	HUMIDITY LOW - EQUIP ROOM	env-humid-low-2	MINIMUM	35	LOW HUMID	env-humid-low-2	CRE
58,59	TEMPERATURE HIGH - EQUIP ROOM	env-hitemp-2	MINIMUM	35	HITEMP	env-hitemp-2	CRE
60,61	TEMPERATURE LOW - EQUIP ROOM	env-lwtemp-2	ADDITIONAL	35	LOW TEMP	env-lwtemp-2	CRE
64,65	OPEN DOOR	env-opendoor-1	MINIMUM	35	OPENDOOR	env-opendoor-1	P-NBRC
86,87	FIRE DETECTION SYS TROUBLE	fire-detect-1	MINIMUM	5	FIRE DET	fire-detect-1	CRE
88,89	FIRE (SMOKE) ALARM	fire-alarm-1	MINIMUM	1	FIRE	fire-alarm-1	CRE

BAC PANEL SPREADSHEET

PROVIDE OUTDOOR NEMA 4X ALARMS J-BOX AT GENERATOR PORTABLE CONNECTION. J-BOX TO HAVE 25 POINT TERMINAL STRIP, HINGED FRONT COVER, SIZED 12"x12"x4" DEEP. MOUNT TO EXTERIOR OF BUILDING WITH BOTTOM 24" ABOVE GRADE.

PROVIDE THE SERVICES OF ESC CONTROLS TO PROVIDE HARDWARE AND PROGRAM THE ANDOVER BMS SYSTEM FOR NEW ALARM POINTS. EACH ALARM SHALL CONSIST OF A NORMALLY CLOSED DRY CONTACT THAT WILL OPEN UPON ALARM CONDITION. TECHNICIAN SHALL BE PRESENT FOR INSTALLATION AND TESTING. PRELIMINARY TESTING WILL BE DONE WHEN THE INSTALL IS COMPLETE. FINAL TESTING WILL BE AT THE END OF THE PROJECT.

- ALARMS LIST:
- DOOR OPEN (5 MIN DELAY)
  - AC UNIT FAILURE
  - HYDROGEN DETECTOR

BUILDING ALARMS CABINET PROVIDED BY CONTRACTOR NEMA 1, PAINTED STEEL, HINGED COVER, 20"Wx6"Dx30"H. LAMACOID LABEL OUTSIDE, TYPWRITTEN LEGEND INSIDE. TOTAL 100-POSITION NUMBERED TERMINAL STRIPS SUITABLE FOR 16AWG-24AWG WIRE (EATON XBUT25 SERIES) TERMINALS ARE DIN RAIL MTD. SEE ALARMS SPREADSHEET FOR CIRCUIT # AND EXACT ALARM DESCRIPTIONS.

- NOTES:
1. ALL WIRING FOR ALARMS SHALL BE #16AWG STRANDED THHN UNLESS OTHERWISE NOTED.
  2. ALARM WIRING SHALL BE CONTINUOUS FROM INITIATING DEVICE TO ALARM CABINET WITH NO SPLICES.
  3. ALL ALARM WIRING SHALL BE NUMBERED AT EACH END. WIRING IN ALARMS CABINET SHALL HAVE TAGS WITH ALARM NAME.
  4. ALL ALARM CONTACTS ARE NORMALLY CLOSED.
  5. ALL INDOOR WIRING SHALL BE RUN IN EMT, 3/4" TRADE SIZE MINIMUM UNLESS NOTED OTHERWISE. ANY OUTDOOR WIRING SHALL BE RUN IN RIGID STEEL CONDUIT. FINAL CONNECTIONS TO GENERATOR CONTROL CABINET SHALL BE MADE USING SEALTITE.
  6. ALL ALARM POINTS SHALL BE PRE-TESTED TO THE BAC. FINAL TESTING SHALL BE TO THE AT&T REPORTING CENTER VIA THE DANTEL PANEL.

WIRING TO DANTEL ON LEFT SIDE OF TERMINALS (TYPICAL)

WIRING TO ALARM SOURCE ON RIGHT SIDE OF TERMINALS (TYPICAL)

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38,39	SURGE PROTECTOR	env-surge-protect-1	env-surge-protect-1
54,55	HUMIDITY HIGH - EQUIP ROOM	env-humid-hi-2	env-humid-hi-2
56,57	HUMIDITY LOW - EQUIP ROOM	env-humid-low-2	env-humid-low-2
58,59	TEMPERATURE HIGH - EQUIP ROOM	env-hitemp-2	env-hitemp-2
60,61	TEMPERATURE LOW - EQUIP ROOM	env-lwtemp-2	env-lwtemp-2
64,65	OPEN DOOR	env-opendoor-1	env-opendoor-1
86,87	FIRE DETECTION SYS TROUBLE	fire-detect-1	fire-detect-1
88,89	FIRE (SMOKE) ALARM	fire-alarm-1	fire-alarm-1

BAC PANEL CARD CONFIGURATION PROVIDED BY ELECTRICIAN, FILL OUT FOR ALL ALARMS PER SPREADSHEET

**CONSTRUCTION DOCUMENT SUBMISSION (BID SET)**

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2015.01.083

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

**PROPRIETARY AT&T INFORMATION**  
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 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 AAB7WJ

**ELECTRICAL ALARMS DETAILS**

AT&T PROJECT NUMBER: <b>E15823</b>	DATE: <b>08/30/2017</b>	SCALE: AS NOTED
AT&T AUTHORIZATION: GREGG MIRANDO	DRAWN BY: JAP	CHECKED BY: SJM
	SHEET: 12 OF 15 SHEETS	SHEET NO. <b>E803</b>