Approved for Code Compliance
Fire Alarm Division

Date: 03/16/17

FIRE ALARM RISER DIAGRAM – INITIATING DEVICES
SCALE: N.T.S.

SYMBOL LEGEND			
ITEM NO.	SYMBOL	QTY. TOTAL	DESCRIPTION
1	○	235	STANDARD BASE (SIGA-SB)
2	◪	10	SMOKE-CO COMBINATION DETECTOR (SIGA-PCD)
3		39	HEAT DETECTOR (SIGA-HRD)
4	I	10	LINE ISOLATOR (SIGA-IM)
5	DM	3	DUAL MONITOR MODULE (SIGA-CT2)
6	M	4	MONITOR MODULE (SIGA-CT1)
7	P	16	PULL STATION (SIGA-278)
8	RM	4	INPUT/OUTPUT MODULE (SIGA-CRH)
9	?	186	SMOKE-HEAT COMBINATION DETECTOR (SIGA-PHD)
10	SD	7	DUCT DETECTOR (SIGA-SD)
11	TSM	6	TEST SWITCH (SD-TRK)
12	XX	41	HORN/STROBE (G1RF-HDVM)
13	XX	24	HORN/STROBE (GCFR-HDVM)
14	XX	28	STROBE (G1RF-VM)
15	XX	6	STROBE (GCFR-VM)
16	ANN	1	ANNUNCIATOR (RLCD-CR)
17	FACP	1	FIRE ALARM CONTROL PANEL (IO1000R)
18	PAD	3	PAD PANEL (EBPS10A)

GENERAL NOTES

- INSTALLATION PRACTICES SHALL COMPLY WITH NFPA 72, THE NATIONAL ELECTRIC CODE & CENTRAL MAINE POWER FIRE ALARM SPECIFICATION
- ALL EXPOSED WIRING SHALL BE IN EMT PAINTED RED. CONCEALED WIRING ABOVE SUSPENDED CEILINGS SHALL BE FIRE ALARM MC. ALL FITTINGS AND JUNCTION COVERS SHALL BE PAINTED RED.
- WIRES SHALL BE CHECKED FOR FAULT CONDITIONS (OPEN, SHORT, GROUND FAULT) BEFORE CONNECTING TO FIRE ALARM CONTROL EQUIPMENT. CONNECTIONS TO FIRE ALARM CONTROL EQUIPMENT SHALL BE HANDLED BY EASTERN FIRE.
- WHERE USING SHIELDED CABLE DRAIN SHALL BE CONNECTED AS ONE CONTINUOUS PATHWAY PROTECTED WITHIN DEVICE SPLICES WITH ELECTRICAL TAPE OR AN APPROVED ALTERNATE METHOID AND ONLY CONNECTED THROUGH FINAL TERMINATIONS AT ORIGINATING CONTROL EQUIPMENT SUCH AS FACP OR REMOTE POWER EXTENDER.
- ALL WIRING IS TO BE NEW. KEEP EXISTING FIRE ALARM SYSTEM OPERATIONAL UNTIL NEW SYSTEM IS COMPLETE AND FUNCTIONALLY TESTED.
- EN GAUGE FIRE EXTINGUISHER MONITORING DEVICES MEASURE FOR OBSTRUCTIONS IN FRONT OF EXTINGUISHER. LOCATE HARDWARE AND SENSOR IN AREAS FREE OF OBSTRUCTIONS. CONSULT EASTERN FIRE IF LOCATIONS REFLECTED ON FLOOR PLANS PRESENT FORESEEABLE OBSTRUCTIONS.
- HEAT DETECTORS IN AREAS EXPOSED TO THE ENVIRONMENT SHALL BE PROGRAMMED FOR FIXED TEMP 155° F ONLY. DETECTORS LOCATED IN CONTROLLED TEMPERATURE AREAS SHALL BE PROGRAMMED FOR RATE OF RISE DETECTION

KEYED NOTES

1. LOCATE CARBON MONOXIDE DETECTOR AT 6' ABOVE FF. AREA SMOKE OR HEAT DETECTION IS LOCATED AT THE CEILING LEVEL. DISABLE SMOKE SENSOR AND PROGRAM CARBON MONOXIDE SENSOR AS SUPERVISORY SIGNAL TO MAIN FACP.
2. ISOLATOR MODULES TO BE INSTALLED IN SINGLE FIRE ALARM TERMINAL CABINET WITH SUFFICIENT SPACE TO ACCOUNT FOR MODULES AND WIRING.

DEVICE ELEVATION DETAIL
NOT TO SCALE

N

SCALE: 2' 8' 1' 4' 16'

DATE	REVISIONS
9/13/16	PRELIMINARY DESIGN DRAWINGS - NOT FOR
	CONSTRUCTION
9/20/16	REVISED PER OWNER COMMENTS - FACP
	& HEAT DETECTOR CHANGES
2/2/17	REVISED TO SHOW CHANGED DEVICES

REQUIRED APPROVALS: OWNER; STATE FIRE MARSHAL; LOCAL FIRE DEPARTMENT

DRAWN BY CRM
CHECKED BY BWB
CONTRACTOR LICENSE #

CMP – PORTLAND SERVICE CENTER

CANCO RD
PORTLAND, ME

CONTRACT WITH: AVANGRID

EASTERN FIRE SERVICES, INC.
AUBURN/LEWISTON INDUSTRIAL AIRPARK, AUBURN, MAINE 04210

FIRE ALARM SYSTEM
INITIATING RISER
DWG. NO. FA-4
JOB NUMBER 3511
SCALE AS SHOWN
DATE 2/2/2017