Reviewed for Code Compliance
Fire Prevention Division
Approved with Conditions

Date: 07/27/15

FIRE ALARM SYSTEM LAYOUT - 1ST FLOOR
SCALE: 1/8" = 1'

SYMBOL LEGEND			
ITEM NO.	SYMBOL	QTY. TOTAL	DESCRIPTION
1		1	STANDARD BASE (DB-11) - OCTAGON BOX
2	DM	1	DUAL MONITOR MODULE (HTRI-D) - 4" SQUARE
3	F	9	PULL STATION (MSM-KD/HTRI-M) - SINGLE GANG
4		1	SMOKE DETECTOR (OH921) - OCTAGON BOX
5	15CD C	3	HORN/STROBE (ZH-MC-R) - 4" SQUARE OR SINGLE GANG
6	177CD C	2	HORN/STROBE (ZH-HMC-CR) - 4" SQUARE OR SINGLE GANG
7	30CD C	2	HORN/STROBE (ZH-MC-R) - 4" SQUARE OR SINGLE GANG
8	75CD C	2	HORN/STROBE (ZH-MC-CR) - 4" SQUARE OR SINGLE GANG
9	95CD C	4	HORN/STROBE (ZH-MC-CR) - 4" SQUARE OR SINGLE GANG
10	15CD	5	STROBE (ZR-MC-R) - 4" SQUARE OR SINGLE GANG
11	ANN	2	ANNUNCIATOR (FSD901)
12	FACP	1	FIRE ALARM CONTROL PANEL (FC901)
13	PAD	1	PAD PANEL (PAD-4)
14		1	RADIO MASTER BOX (CENTRALARM NETWORK)
15	KB	2	KNOX BOX

FIRE ALARM RISER DIAGRAM
SCALE: NTS

FIRE ALARM SYSTEM LAYOUT - JOHN DEERE MEZZANINE
SCALE: 1/8" = 1'

FIRE ALARM SYSTEM LAYOUT - NEW TENANT MEZZANINE
SCALE: 1/8" = 1'

FC 901 Battery Calculations			
Qty	Module/Device	Standby Current (A)	Alarm Current (A)
1	Main Board	0.17800	0.20300
2	Remote Annunciator	0.00120	0.00140
1	Smoke Detector	0.00030	0.00030
9	Manual Pull Station	0.01260	0.01260
1	Monitor Module	0.00140	0.00140
1	Relay Module	0.00140	0.00140
	NAC #1 Load	0.00000	0.00000
	NAC #2 Load	0.00000	0.00000
	Total Current	0.1949	0.2201
	Standby Time (24 Hours)	4.6776	
	Alarm Time (5 Minutes)		0.0182683
	A/hrs Required (No Reserve)		4.6958683
	Battery Reserve (125%)		5.869835375
	Battery Size Provided		**7 A/hr**

PAD-4 Battery Calculations			
Qty	Module/Device	Standby Current (A)	Alarm Current (A)
1	Standard Operating Unit	0.06000	0.06000
	NAC #1	0.00000	1.23400
	NAC#2	0.00000	0.57400
	NAC#3	0.00000	0.41400
	NAC#4	0.00000	1.16800
	Total Current	0.06	3.45
	Standby Time (24 Hours)	1.44	
	Alarm Time (5 Minutes)		0.28635
	A/hrs Required (No Reserve)		1.72635
	Battery Reserve (125%)		2.1579375
	Battery Size Provided		**7 A/hr**

DEVICE WIRING DETAILS
SCALE: NTS

DEVICE ELEVATION DETAIL
NOT TO SCALE

	Activate the Alarm LED and Buzzer on the FACP & Remote Annunciator(s)	Activate the Supervisory LED and Buzzer on the FACP & Remote Annunciator(s)	Activate the Trouble LED and Buzzer on the FACP & Remote Annunciator(s)	Display Custom Message and Address on FACP & Remote Annunciator(s) Display	Activate Building Notification Devices	Transmit Alarm Signal to Central Station	Transmit Supervisory Signal to Central Station	Transmit Trouble Signal to Central Station	
Smoke Detector	XX			XX	XX	XX			
Heat Detector	XX			XX	XX	XX			
Manual Pull Station	XX			XX	XX	XX			
Sprinkler Waterflow	XX			XX	XX	XX			
Sprinkler Tamper		XX		XX			XX		
Short Circuit			XX	XX				XX	
Ground Fault			XX	XX				XX	
Open Circuit			XX	XX				XX	
Loss of Primary Power			XX	XX				XX	
Loss of Secondary Power			XX	XX				XX	
AES Radio Box Trouble			XX	XX				XX	

OPERATIONS MATRIX

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

GENERAL NOTES	DATE	REVISIONS	REQUIRED APPROVALS
* Installation methods shall comply with NFPA 72 & The National Electric Code			OWNER
* AES radio master box to be connected to the centalarm network for central station monitoring			STATE FIRE MARSHAL
			LOCAL FIRE DEPARTMENT
			DRAWN BY CRM
			CHECKED BY BWB
			CONTRACTOR LICENSE #

TRANSPORT LEASING
15 CITY LINE DRIVE
PORTLAND, ME

CONTRACT WITH: OWNER

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

FIRE ALARM SYSTEM	
PLANS & DETAILS	
DWG. NO.	FA 1
JOB NUMBER	
SCALE	AS SHOWN
DATE	6/25/15