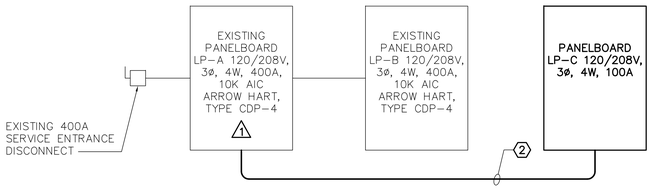
PANELBOARD SCHEDULE LP-C

CKT NO	AMPS PER PHASE A	AMPS PER PHASE B	AMPS PER PHASE C	DESCRIPTION	LOAD TYPE	CKT BKR TRIP	CKT BKR POLE	CKT NO	CKT BKR TRIP	CKT BKR POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE A	AMPS PER PHASE B	AMPS PER PHASE C	CKT NO
1	27			ELEVATOR	M	70	3	2	20	1	L	LTG – ELEVATOR PIT	0.4			2
3		27						4	20	1	R	REC – ELEVATOR PIT		1.5		4
5			27					6	15	1	L,R	ELEVATOR CAB LIGHTING, CAR TOP REC, AUX LTG, VENT			·	6
7	8			REC – SUMP PUMP ELEV PIT	M	20	1	8	20	1	L	LTG – SECOND FLOOR LANDING	·			8
9		8.3		PIT ELECTRIC HEAT	H	20G	1	10	20	1	L	LTG – TOP OF HOISTWAY		0.4		10
11			8	OIL MINDER	L	20	1	12	20	1	R	REC – TOP OF HOISTWAY			1.5	12
13	.23			TP-1	M	15	1	14	30	2	–	CONSTRUCTION CIRCUIT ⚠1	·			14
15		·		LTG-BASEMENT ELEVATOR LANDING	L	20	1	16						·		16
17			·	FIRE ALARM TRANSMITTER + LIGHT	–	20	1	18	20	1	–	SEISMIC SWITCH			·	18
19	·			SPARE	–	20	1	20	20	3	–	SPARE	·			20
21		·		SPARE	–	15	1	22						·		22
23			·	SPARE	–	30	1	24							·	24
25	·			SPACE	–	–	–	26	–	–	–	SPACE	·			26
27		·		SPACE	–	–	–	28	–	–	–	SPACE		·		28
29			·	SPACE	–	–	–	30	–	–	–	SPACE			·	30

TOTAL/PHASE | VOLTS: 120/208, 3 PHASE, 4 WIRE | DESIGNATION: LP-C
MCB: ☐ | MCB AMPS: . | LOCATION: BASEMENT
MLO: ☒ | BUS AMPS: 125 | MOUNTING: SURFACE
FAULT AMPS: 10,000

PANELBOARD SCHEDULE KEYNOTE

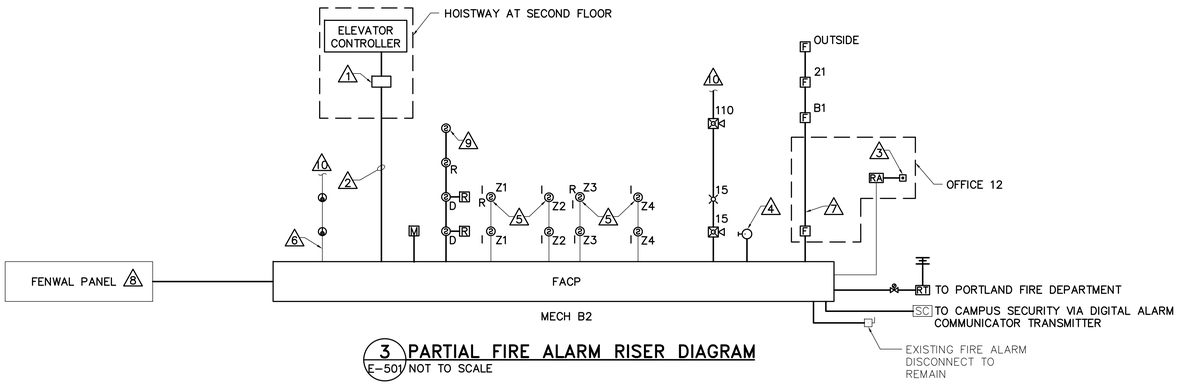
⚠1 FOR USE DURING CONSTRUCTION PER ELEVATOR MANUFACTURERS REQUIREMENTS. LABEL AS SPARE AT COMPLETION OF WORK.



1 PARTIAL ONE-LINE DIAGRAM
E-501 NOT TO SCALE

PARTIAL ONE-LINE DIAGRAM KEYNOTE

⚠1 FEED FROM EXISTING 100A, 3P CIRCUIT BREAKER LABELLED AC/ROOFTOP COMPRESSOR. UPDATE PANELBOARD SCHEDULE.



3 PARTIAL FIRE ALARM RISER DIAGRAM
E-501 NOT TO SCALE

PARTIAL FIRE ALARM RISER DIAGRAM KEYNOTES

⚠1 PROVIDE LISTED CONTROL RELAYS WITHIN 3 FEET OF THE ELEVATOR CONTROLLER TO PROVIDE A SUPERVISED INTERFACE BETWEEN THE FIRE ALARM SYSTEM/ELEVATOR RECALL AND THE ELEVATOR CONTROLLER.

⚠2 WIRING SHALL BE MONITORED FOR INTEGRITY.

⚠3 PROVIDE HALON ABORT BUTTON TO PREVENT SYSTEM FROM DISCHARGING.

⚠4 RED, EXTERIOR BEACON.

⚠5 CROSS ZONED. ACTUATION OF A DETECTOR IN ONE ZONE CAUSES ALARM ONLY. ACTUATION OF A SECOND DETECTOR IN THE OPPOSITE ZONE WILL CAUSE HALON SYSTEM DISCHARGE.

⚠6 ACTIVATION OF HEAT DETECTOR RESULTS IN HALON SYSTEM DISCHARGE.

⚠7 MANUAL HALON SYSTEM DISCHARGE.

⚠8 EXISTING FENWAL PANEL CURRENTLY ACTIVATES THE HALON SYSTEM RELEASING SOLENOID. FOR BIDDING PURPOSES, ASSUME THE COST OF REMOVING THE EXISTING PANEL AND PROVIDING REPLACEMENT RELEASING SOLENOIDS. FIELD VERIFY EXISTING CONDITIONS AND LEAVE EXISTING FENWAL PANEL IN PLACE ONLY IF THE SYSTEM WOULD NOT OTHERWISE FUNCTION.

⚠9 FOR DOOR RELEASE.

⚠10 PROVIDE NUMBER OF CIRCUITS REQUIRED FOR THE LOAD. PROVIDE QUANTITY OF DEVICES AND APPLIANCES SHOWN ON THE PLANS.

PARTIAL FIRE ALARM RISER DIAGRAM NOTES

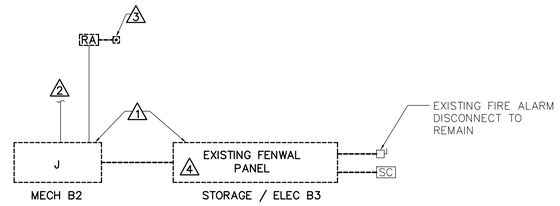
1. PROVIDE QUANTITY OF DEVICES INDICATED ON THE APPROVED SHOP DRAWINGS.
2. PROVIDE GROUNDING IN ACCORDANCE WITH MANUFACTURER'S WRITTEN REQUIREMENTS.
3. IN THE EVENT OF A PRE ALARM CONDITION (ACTIVATION OF ONE DETECTOR ZONE) PROVIDE VISIBLE NOTIFICATION AT THE FACP AND RA. ACTIVATE HORNS. SHUT DOWN AIR CONDITIONING SYSTEM.
4. IN THE EVENT OF A DISCHARGE CONDITION, PERFORM THE PRE ALARM CONDITIONS AND ACTIVATE THE STROBES.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMP, LUMENS (MIN)	VOLTS	WATTS	MOUNTING	NOTES	MANUFACTURER	CATALOG NUMBER
A	ELEVATOR PIT, VAPOR TIGHT, 46" X 2.7"	LED, 4,268	120V	41.5	COORDINATE WITH ELEVATOR INSTALLER	1	LUMINAIRE LED	SPC4-46"-NB-40W HO-3500K-120-277-OP-BLK-WET-EMB310ST-TX/SD
B	5" LED DOWNLIGHT MODULE	LED, 623	120V	12.7	SURFACE	5	PRESCOLITE	LBS5LEDA6L-30K-9-WH
C	TRACK, WHITE, DIMMABLE	NA	120V	NA	CEILING/SUSPENDED, LEVEL WITH SOFFIT	2	TIMES SQUARE LIGHTING	ST4-W
	TRACK FIXTURES, WHITE, DIMMABLE	LED, 720	120V	8.5	ON TRACK	3	TIMES SQUARE LIGHTING	AXT7-98-27-W
D	WALL MOUNTED NIGHT LIGHT	LED, 1180	120V	10	WALL @ 7'-6" AFF	4	B-K LIGHTING	AR-LED-TR-X52-WFL-WHP-13-11-C-8-120-WM

LIGHTING FIXTURE SCHEDULE NOTES:

1. VANDAL RESISTANT. ALUMINIUM BODY CONSTRUCTION. WET LOCATION LISTED. OPAL POLYCARBONATE LENS. SECURED WITH DIE CAST ALUMINUM CLAMPS AND STAINLESS STEEL HEAD SCREWS. 10 YEAR WARRANTY (MINIMUM) ON LED BOARDS. BLACK. INTEGRAL EMERGENCY DRIVER WITH SELF-TEST FEATURE.
2. SPECIFICATION GRADE, DIMMABLE TRACK. PROVIDE 3/8" STEM, CANOPY KIT AND MOUNTING HARDWARE FOR SUSPENSION. PROVIDE CONNECTORS, ADAPTERS, FEEDS, END CAPS, ETC FOR A COMPLETE INSTALLATION. PROVIDE CUSTOM LENGTHS WHERE REQUIRED.
3. 2,700K LED. CRI 85 (MINIMUM). 0-180° TILT. 360° ROTATION. DIMMABLE. 60° OPTICS. NO ULTRAVIOLET. NO INFRARED. INTEGRAL DRIVER. MUSEUM GRADE.
4. AIM AND LOCK KNUCKLE WITH FULL 180° VERTICAL ADJUSTMENT. INTEGRAL DRIVER. 2,700K LED. WIDE FLOOD, 60° MINIMUM. RECTILINEAR LENS. FINISH: WHITE. 5 YEAR WARRANTY.
5. 3000K. 90+ CRI. 5 YEAR WARRANTY. INSTALLS ONTO A STANDARD 4" JUNCTION BOX.



2 PARTIAL FIRE ALARM REMOVALS RISER DIAGRAM
E-501 NOT TO SCALE

WIRING SCHEDULE			
	#	CABLE	CONDUIT
⟨1⟩	1	3 #3, 1#8G	1-1/4"
⟨2⟩	1	4 #1, 1 #8G	1-1/2"

PARTIAL FIRE ALARM REMOVALS RISER DIAGRAM KEYNOTES

⚠1 REMOVE EXISTING FIRE ALARM DEVICES. TEST AND SALVAGE WIRING FOR REUSE.

⚠2 EXISTING DEVICES TO BE REMOVED (TYP). EXISTING WIRING TO REMAIN. TYPICAL.

⚠3 REMOVE HALON ABORT BUTTON.

⚠4 EXISTING FENWAL PANEL CURRENTLY ACTIVATES THE HALON SYSTEM RELEASING SOLENOID. FOR BIDDING PURPOSES, ASSUME THE COST OF REMOVING THE EXISTING PANEL AND PROVIDING REPLACEMENT RELEASING SOLENOIDS. FIELD VERIFY EXISTING CONDITIONS AND LEAVE EXISTING FENWAL PANEL IN PLACE ONLY IF THE SYSTEM WOULD NOT OTHERWISE FUNCTION.

SYSTEM OUTPUTS

SYSTEM INPUTS

		A	B	C	D	E	F	G	H	I	J	K	L	M	
1	MANUAL PULL STATIONS – INDOORS	●			●			●	●			●	●		1
2	MANUAL PULL STATION – OUTDOORS ⚠1														2
3	AREA HEAT DETECTORS	●			●			●	●			●	●		3
4	DUCT SMOKE DETECTORS		●			●				●					4
5	HALON ABORT BUTTON										●				5
6	AIO – DOOR RELEASE SMOKE DETECTORS	●			●			●					●		6
7	AIM – HALON RELEASING SOLENOID		●			●									7
8	FACP AC POWER FAILURE			●			●								8
9	FACP SYSTEM LOW BATTERY			●			●								9
10	FACP OPEN CIRCUIT			●			●								10
11	FACP GROUND FAULT			●			●								11
12	NOTIFICATION APPLIANCE CIRCUIT SHORT			●			●								12
13	SMOKE DETECTOR, ONE ZONE ONLY	●			●			●				●	●		13
14	SMOKE DETECTOR, CROSS ZONE	●			●			●	●			●	●	●	14
15	ELEVATOR LOBBY SMOKE DETECTORS	●			●			●				●	●	●	15
16	TAMPER SWITCH AT TRANSMITTER		●			●									16
		A	B	C	D	E	F	G	H	I	J	K	L	M	

SYSTEM OUTPUTS:
- TRANSMIT ALARM SIGNAL TO SUPERVISING STATIONS
- TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATIONS
- TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATIONS
- ACTUATE ALARM SIGNAL AUDIO & VISUAL INDICATOR ON FACP AND RA
- ACTUATE SUPERVISORY SIGNAL AUDIO & VISUAL INDICATOR ON FACP AND RA
- ACTUATE TROUBLE SIGNAL AUDIO & VISUAL INDICATOR ON FACP AND RA
- ACTUATE HORNS AND STROBES
- RELEASE HALON
- SHUTDOWN ASSOCIATED MECHANICAL EQUIPMENT
- STOP HALON RELEASE ⚠1
- RED EXTERIOR BEACON ⚠4
- RELEASE DOORS HELD OPEN ON MAGNETIC HOLD OPENS ⚠9
- ACTIVATE ELEVATOR RECALL

4 INPUT/OUTPUT MATRIX
E-501 NOT TO SCALE

INPUT/OUTPUT MATRIX KEYNOTE

⚠1 COORDINATE FUNCTION WITH PORTLAND FIRE DEPARTMENT.

INPUT/OUTPUT MATRIX NOTE

1. COORDINATE FINAL PROGRAMMING WITH AHJ.

29 Mar, 2017 – 3:04pm
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PORTLAND CAMPUS
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Portland, ME 04103-2693

FINE ARTS GALLERY
ELEVATOR ADDITION

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

PANELBOARD, LIGHTING FIXTURE AND WIRING SCHEDULES, AND DIAGRAMS

SCALE: AS NOTED

DATE: 3-29-17

DWG.: E-501

SHEET: 26 OF 26