

REVISION 2 DATE:

REVISION 1 DATE:

REVISION 0 SUBMITTAL DATE: 5-29-13

SYSTEM WIRING RISER

PROJECT NAME
100 STATE STREET SEQUENCE
OF OPERATION MATRIX

SCALE: NTS
BY:
CK BY:



2257 W BROADWAY, SD PORTLAND, MAINE 04106

SAVED AS:

SYSTEM INPUTS	CONTROL UNIT ACTIVATION														SYSTEM OUTPUTS						REQUIRED FIRE SAFETY CONTROL
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	U	V		
1 MANUAL FIRE ALARM PULL STATION	●	●					●	●	●	●	●										
2 AREA SMOKE DETECTOR	●	●					●	●	●	●	●										
3 ELEVATOR LOBBY SMOKE DETECTOR - PRIMARY FLOOR	●	●					●	●	●	●	●										
4 ELEVATOR LOBBY SMOKE DETECTOR - ALTERNATE FLOOR	●	●					●	●	●	●	●										
5 ELEVATOR SMOKE DETECTOR	●	●					●	●	●	●	●										
6 SPRINKLER WATERFLOW	●	●					●	●	●	●	●										
7 SPRINKLER TAMPER SWITCH			●	●			●	●	●	●	●										
8 FIRE ALARM AC POWER FAILURE					●	●	●	●	●	●	●										
9 FIRE ALARM SYSTEM LOW BATTERY					●	●	●	●	●	●	●										
10 OPEN CIRCUIT					●	●	●	●	●	●	●										
11 GROUND FAULT					●	●	●	●	●	●	●										
12 NOTIFICATION APPLIANCE CIRCUIT SHORT					●	●	●	●	●	●	●										
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					

CONTROL UNIT ACTIVATION

SYSTEM OUTPUTS

REQUIRED FIRE SAFETY CONTROL

- ACTUATE COMMON ALARM SIGNAL INDICATOR
- ACTUATE AUDIBLE ALARM SIGNAL
- ACTUATE COMMON SUPERVISORY SIGNAL
- ACTUATE AUDIBLE SUPERVISORY SIGNAL INDICATOR
- ACTUATE COMMON TROUBLE SIGNAL
- DISPLAY AUDIBLE COMMON TROUBLE SIGNAL
- RECORD EVENTS IN THE SYSTEM MEMORY
- ACTUATE GENERAL EVACUATION SIGNALS
- SEND FIREFIGHTERS WARNING MESSAGE
- TRANSMIT FIRE ALARM SIGNAL TO ELEVATOR CONTROLS
- TRANSMIT SUPERVISORY SIGNAL TO REMOTE ALARM RECEIVING STATION
- ACTUATE TROUBLE SIGNAL TO REMOTE ALARM RECEIVING STATION
- RECALL EXTERIOR SPRINKLER ALARM STROBE HORN AT FDC LOCATION
- SIGNAL BUILDING AUTOMATION SYSTEM OF SHUTDOWN EVENT
- SHUTDOWN POWER TO ELEVATOR
- SIGNAL THE AIR HANDLERS TO SHUTDOWN