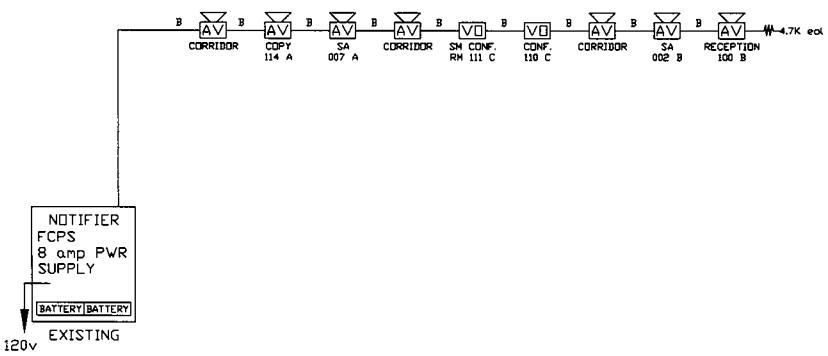
Important! Wiring connections must have correct polarity.

SYSTEM OUTPUTS

SYSTEM INPUTS	CONTROL UNIT ACTIVATION												NOTIFICATION	
	A ACTIVATE COMMON ALARM SIGNAL INDICATOR	B ACTIVATE AUDIBLE ALARM SIGNAL	C ACTIVATE COMMON SUPERVISORY SIGNAL INDICATOR	D ACTIVATE AUDIBLE SUPERVISORY SIGNAL	E ACTIVATE COMMON TROUBLE SIGNAL INDICATOR	F ACTIVATE AUDIBLE COMMON TROUBLE SIGNAL	G DISPLAY ALPHA-NUMERIC SYSTEM STATUS MESSAGE	H RECORD EVENTS IN THE SYSTEM MEMORY	I ACTIVATE GENERAL EVACUATION SIGNALS	J SEND FIREFIGHTERS WARNING SIGNAL	K TRANSMIT FIRE ALARM SIGNAL TO REMOTE ALARM RECEIVING STATION	L TRANSMIT SUPERVISORY SIGNAL TO REMOTE ALARM RECEIVING STATION	M TRANSMIT TROUBLE SIGNAL TO REMOTE ALARM RECEIVING STATION	N ACTUATE EXTERIOR SPRINKLER ALARM STROBE/HORN AT FDC LOCATION
1 MANUAL FIRE ALARM PULL STATION	●	●					●	●	●		●			
2 AREA SMOKE DETECTOR	●	●					●	●	●		●			
3 FIRE ALARM AC POWER FAILURE					●	●	●	●					●	
4 FIRE ALARM SYSTEM LOW BATTERY					●	●	●	●					●	
5 OPEN CIRCUIT					●	●	●	●					●	
6 GROUND FAULT					●	●	●	●					●	
7 NOTIFICATION APPLIANCE CIRCUIT SHORT					●	●	●	●					●	
8														



Important! Duplicate Addresses on devices of different style is NOT an error in design or printing. All electronic devices MUST be placed in a heated room with temperature above 32 degrees

LEGEND

MOUNTING HEIGHT		
48 INCHES	PS	PULL STATION
	S	SMOKE DETECTOR
	R	HEAT DETECTOR RATE OF RISE
	F	HEAT DETECTOR FIXED TEMP
	RT	REMOTE TEST/INDICATOR
	DS	DUCT SMOKE DETECTOR W/ FSP-851R HEAD
80 INCHES	VD	VISUAL ONLY
80 INCHES	AV	AUDIO / VISUAL
	DSM	DUAL SYNC MODULE
	ISO	ISOLATION MODULE
	FMM	MONITOR MODULE
	FRM	RELAY MODULE
	STS	SPRINKLER TAMPER
	SFS	SPRINKLER FLOW

This drawing is an accurate layout from provided floor plans and information available at time of design. Circuiting has been designed for maximum use of resources available with supplied equipment. Deviations from this design must be noted and approved prior to final acceptance. Note: Signal Circuit 1 has a 2.5 amp load limitation, Circuits 2-3-4 have a combined load limitation of 2.5 amps. REMOTE power supply has a 3.0 amps limitation per circuit and an 8.0 amp combined limitation for all 4 circuits. Changes in circuiting must incorporate equipment specifications/limitations(see chart below for current vs. candela rating. Distances and ratings shown are for wall applications ONLY, call Norris, Inc. for ceiling devices when applicable.) Twisted-Shielded Cable is NOT recommended for use on SLC wiring for this panel. Untwisted cable inside/outside conduit has a 1000' max distance sizes 12-18AWG.

Room Size	Candela Rating	Load (amps)
20' x 20'	15 cd	0.08 amps
28' x 28'	30 cd	0.10 amps
45' x 45'	75 cd	0.15 amps
54' x 54'	110 cd	0.20 amps

4.7k END OF LINE RESISTOR (Panel Circuits)

A	1 PR #12 AWG TWISTED PAIR CABLE(Up to 10,000 ft)
A	1 PR #14 AWG TWISTED PAIR CABLE(Up to 8,000 ft)
A	1 PR #16 AWG TWISTED PAIR CABLE(Up to 4,500 ft)
B	1 PR #12 AWG FPL CABLE
D	1 PR #14 AWG FPL CABLE
E	1 PR #16 AWG FPL CABLE
F	2c #12 AWG CABLE
G	2c #14 AWG CABLE
H	2c #16 AWG CABLE
K	1 CAT5 CABLE
L	1 PR #16 AWG TWISTED SHIELDED CABLE

REVISION 2	DATE:	
REVISION 1	DATE:	
REVISION 0 SUBMITTAL	DATE:	5/09/2013

SYSTEM WIRING RISER

PROJECT NAME
2 PORTLAND SQUARE 7TH
PORTLAND, MAINE

SCALE NTS
BY: XXX
CK BY:
SAVED AS:

NORRIS INC
Prepared For Tomorrow; Delivered Today
2257 BROADWAY, SO PORTLAND, MAINE