Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 07/12/13

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 (S)	DUCT SMOKE DETECTOR
80 INCHES	MH	MINI HORN
80 INCHES	VO	VISUAL ONLY
	AV	AUDIO / VISUAL
	NZM 100	ZONE MODULE
	NC-100	CONTROL MODULE
	NMM	MONITOR MODULE 100=4 SQUARE, 100p=mininod
	NC 100r	RELAY MODULE

This drawing is a typical device layout, wiring is shown diagrammatically only. This drawing has been provided as an example ONLY. Riser does not necessarily indicate all devices and appliances. See floor plans and specification for location and quantities. The purchaser must accurately layout the initiating and notification devices in their proper zones/circuit. Note: All signal circuits have a 2.5 amp load limitation and a combined load limitation of 3.0 amps or 6.0 amps if XRM-24 is added to the panel. There can be 4 class B nac circuits or 2 class A nac circuits. REMOTE power supply has a 3.0 amps limitation per circuit and an 8.0 amp combined limitation for all 4 circuits. (see chart below for current vs. candela rating)

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

A 1 PR #12 AWG TWISTED-PAIR UNSHIELDED CABLE FPL GENESIS 4515, BELDEN 6020UL (Up to 10,000 ft)
A 1 PR #14 AWG TWISTED-PAIR UNSHIELDED CABLE FPL GENESIS 4513, BELDEN 6120UL (Up to 8,000 ft)
A 1 PR #16 AWG TWISTED-PAIR UNSHIELDED CABLE FPL GENESIS 4511, BELDEN 6220UL (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 1 PR #16 AWG TWISTED-PAIR SHIELDED CABLE FPL
J 1 CAT5 CABLE

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. Never run wires parallel to any other wiring. Make sure to always run cables in separate raceways. Fire alarm wiring can emit noise that may affect other devices. Shielded cable can be used if cable is run near sensitive equipment

BENNETT ENGINEERING
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REVISION SCHEDULE

DATE	REVISION DESCRIPTION	BY

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FIRE ALARM LEGEND, DETAILS AND SCHEDULES

PROJECT:
COMMERCIAL & MAPLE STREET MIXED USE DEVELOPMENT
PORTLAND, ME.

DATE: 05-20-2013
SCALE: 1/8" = 1'-0"
DRAWN BY: PMC

SHEET: FA9