



REV.	DESCRIPTION	DATE	BY	TRD	DRWN	INWD:
0	Original Issue	4/17	KMB			

GENERAL NOTES:

1. ALL WIRING IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE, INTERNATIONAL BUILDING CODE (IBC), CITY OF PORTLAND REQUIREMENTS, AND MANUFACTURER'S REQUIREMENT & RECOMMENDATIONS.

WIRING NOTES:

1. ALL ADDRESSABLE DEVICES MUST BE INSTALLED IN A HEATED LOCATION.
2. ADDRESSABLE CONTROL RELAYS (CR or MCR) SHALL SWITCH ONLY 12/24V (AC/DC) @ 2.0 Amps OR LESS. SWITCHED CIRCUITS REQUIRING HIGHER VOLTAGE SHALL USE AN INTERMEDIATE LISTED FOR THE PURPOSE
3. ADDRESSABLE LOOP CONSISTS OF (1) 2C #16 TWISTED NON-SHIELDED FROM FACP AT 1ST DEVICE; (1) 2C #16 TWISTED NON-SHIELDED THROUGH REMAINING DEVICES ON CIRCUIT AND RETURN TO FACP. MAINTAIN PROPER SEPARATION BETWEEN FEEDS AND RETURNS.
4. STROBE CIRCUITS CONSIST OF 2C #14 FROM BPS TO 1ST DEVICE; 2C #14 THROUGH REMAINING DEVICES ON CIRCUIT AND END AT END OF LINE RESISTOR.
5. SPEAKER CIRCUITS CONSIST OF (1) 2C #16 TWISTED NON-SHIELDED FROM NEAREST POINT ON SPEAKER CIRCUIT TO 1ST DEVICE; (1) 2C #16 TWISTED NON-SHIELDED THROUGH REMAINING DEVICES ON CIRCUIT AND RETURN TO ORIGINAL POINT ON SPEAKER CIRCUIT.

LEGEND:

RISER DIAG SYM	NFPA SYMBOL	DESCRIPTION	CATALOG #
FACP	FACP	Fire Alarm Control Panel (existing)	EST3
BPS		Remote Booster Panel (existing)	BPS10A
⊠#	⊠#	Speaker/Strobe Unit (White Wall Mount) # Indicates Candela Setting	G4HFWF-S2VMC
⊠#	⊠#	Strobe Unit (White Wall Mount) # Indicates Candela Setting	G1F-VM
⊠#	⊠#	Speaker/Strobe Unit (White Ceiling Mount) # Indicates Candela Setting	GCHFWF-S2VMC

* NFPA 170 (2009)
 Tables: 6.5, 6.7.1, 6.7.2, & 6.7.3
 (Some symbols may not appear on drawing)

