## 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)<br># Indicates Candela Setting | G4HFWF-S2VMC |
| # | # | Strobe Unit (White Wall Mount)<br># Indicates Candela Setting | G1F-VM |
| # | # | Speaker/Strobe Unit (White Ceiling Mount)<br># 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)

## 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.

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 07/07/17

DWG NAME: Eaton 100 Mi Portl FIRE ALARM
DWG No: FA-

R.B. Allen Co., Inc.
P.O. BOX 1070
131 LAFAYETTE RD
NO. HAMPTON, NH 03862
603-964-6404
EDWARDS SYSTEM TECHNOLOGY

Eaton & Peabody
2nd Floor Renovation
100 Middle Street
Portland, Maine
FIRE ALARM RISER DIAGRAM

| REV. | DESCRIPTION | DATE | DRWN: | RWD: |
|---|---|---|---|---|
| 0 | Original Issue | 4/17 | KMB | TRD |

SCALE: NTS

PO No. 00514

Eaton & Peabody
100 Middle St
Portland, Maine
FIRE ALARM RISER

DWG NO. FA-001