



LEGEND:

RISER SYM. SYMBOL	NFPA SYMBOL	DESCRIPTION	CATALOG #
FACP	FACP	Fire Alarm Control Panel	EST-3
BPS	FACU	Notification Power Extender (Fire Alarm Control Unit)	BPS 10A
F	E	Addressable Manual Pull Station	SIGA-278
S	S	Addressable Smoke Detector w/base	SIGA278S SIGA45B SIGA24HS SIGA-SB
H	H	Addressable Heat Detector w/base	SIGA-MCT2
MCT2	MCT2	Addressable Dual Input Module	SIGA-MCT2
MCCR	MCCR	Addressable Control Relay	SIGA-MCR
X	X	Strobe Unit (Adjustable Candela)	G-IRF-AM
RA	RA	Horn/Strobe Unit (Adjustable Candela)	G-IRF-HDVM
RA	RA	ACS Radiobox	7788

* NFPA 770 (2009)
Tables: 6.5, 6.7.1, 6.7.2, & 6.7.3

GENERAL NOTES:

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

WIRING NOTES:

1. ALL ADDRESSABLE DEVICES MUST BE INSTALLED IN A HEATED LOCATION.
2. ADDRESSABLE CONTROL RELAYS (OR MCR) SHALL SWITCH ONLY 1224V (AC / DC) @ 2.0 AMPS OR LESS. SWITCHED CIRCUITS REQUIRING HIGHER VOLTAGE SHALL USE AN INTERMEDIATE RELAY LISTED FOR THE PURPOSE.
3. Addressable Loop consists of: (1) 2c #16 Twisted Non-shielded from FACP to 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 a minimum: 2c #14 from Booster Panel to 1st device; 2c #14 through remaining devices on circuit and end at end of line resistance. Maintain proper separation between feeds and returns.
5. Network Data consists of: (1) 2c #16 Twisted Non-shielded and 2c #14 (24Vdc) from Fire Alarm Control Panel to Annunciator and return (1) 2c #16 Twisted Non-shielded to FACP. Maintain proper separation between feeds and returns. Remote Annunciator shall be in a heated location.

DWG NO. FA101 FIRE ALARM RISER Portland, Maine UNE Blewett Hall	Blewett Hall University of New England Portland, Maine FIRE ALARM RISER DIAGRAM	DWG NAME: Blewett Hall University of New England Portland, Maine Fire Alarm Riser Diagram FA101	 P.O. BOX 770 131 LAFAYETTE RD 03865 HAMPTON, NH 03865 1-800-258-7264 EDWARDS SYSTEM TECHNOLOGY
SCALE: NTS REV. 0 Original Issue DATE 12/15 DRWN: KMB TRD RVM'D:	JOB NAME: Blewett Hall University of New England Portland, Maine FIRE ALARM RISER DIAGRAM		