

DWG NAME:

Alumni Hall
University of New England
Portland, Maine
Fire Alarm Riser Diagram
FA101

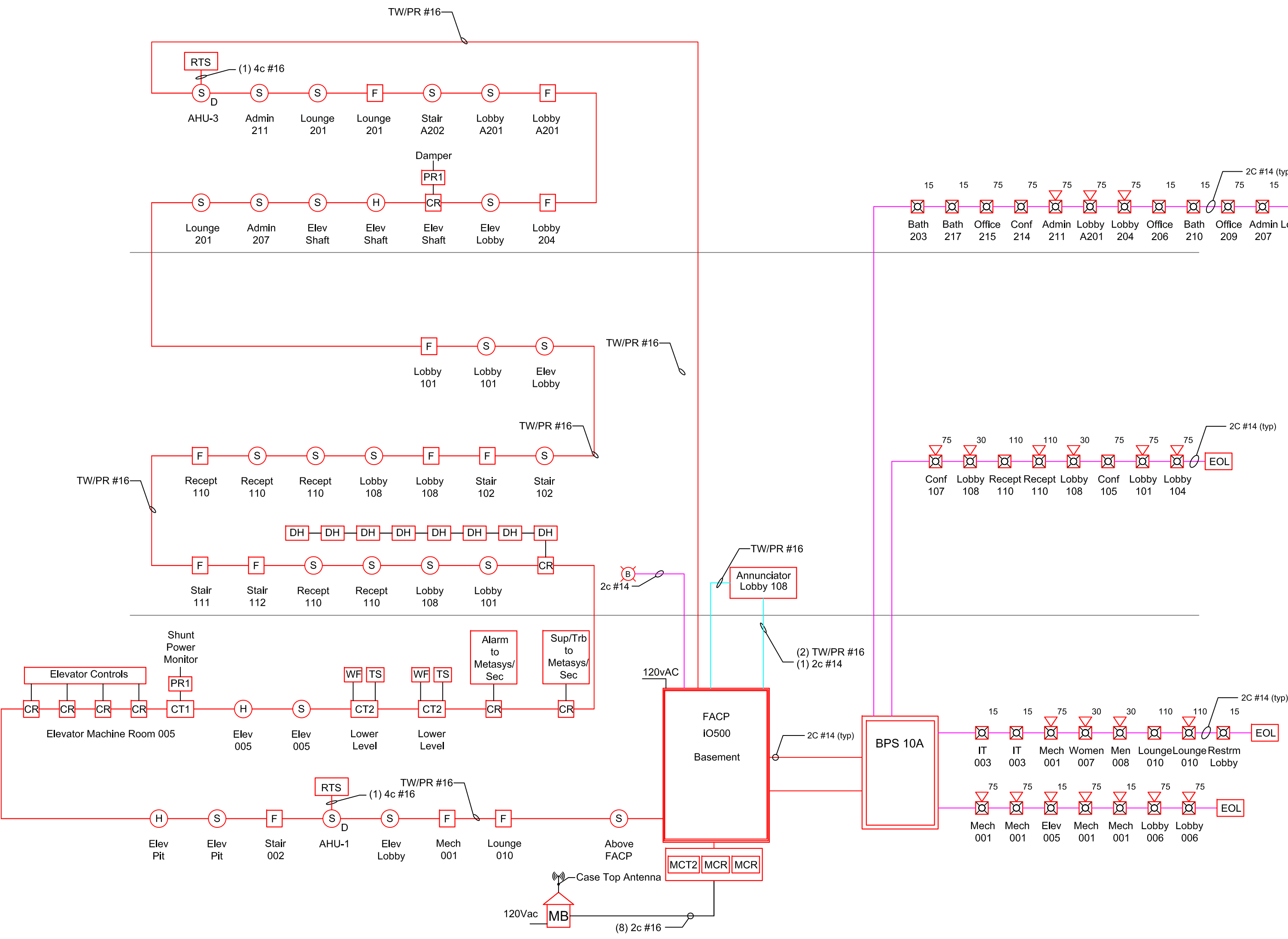


Alumni Hall
University of New England
Portland, Maine
FIRE ALARM RISER DIAGRAM

JOB NAME:

REV.	DATE	DESCRIPTION	DRWN:	TRD:
0	8/15	Original Issue	KMB	TRD

SCALE: NTS
PD No.
Alumni Hall
UNE
Portland, Maine
FIRE ALARM RISER
DWG NO. FA101



LEGEND:

RISER DIAG SYM	NFPA SYMBOL	DESCRIPTION	CATALOG #
[FACP]	[FACP]	Fire Alarm Control Panel	IO500
[BPS]	[FACU]	Notification Power Extender (Fire Alarm Control Unit)	BPS10A
[F]	[F]	Manual Pull Station	SIGA-278
[S]	[S]	Smoke Detector w/Base	SIGA2-PS SIGA-SB
[H]	[H]	Heat Detector w/Base (F Denotes Fixed Temperature)	SIGA2-HFS SIGA-SB
[S _D]	[S _D]	Duct Smoke Detector w/Sampling Tube	SIGA-SD SD-Txx
[RTS]	[RTS]	Remote Alarm Indicator & Key Test Station	SD-TRK
[X]	[X]	Strobe Unit (Adjustable Candela)	G1RF-VM
[X]	[X]	Horn/Strobe Unit (Adjustable Candela)	G1RF-HDVM

* NFPA 170 (2009)
Tables: 6.5, 6.7.1, 6.7.2, & 6.7.3

GENERAL NOTES:

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

WIRING NOTES:

- ALL ADDRESSABLE DEVICES MUST BE INSTALLED IN A HEATED LOCATION.
- 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 RELAY LISTED FOR THE PURPOSE.
- 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.
- 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.
- 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.