

three inches = one foot

one and one-half inches = one foot

one inch = one foot

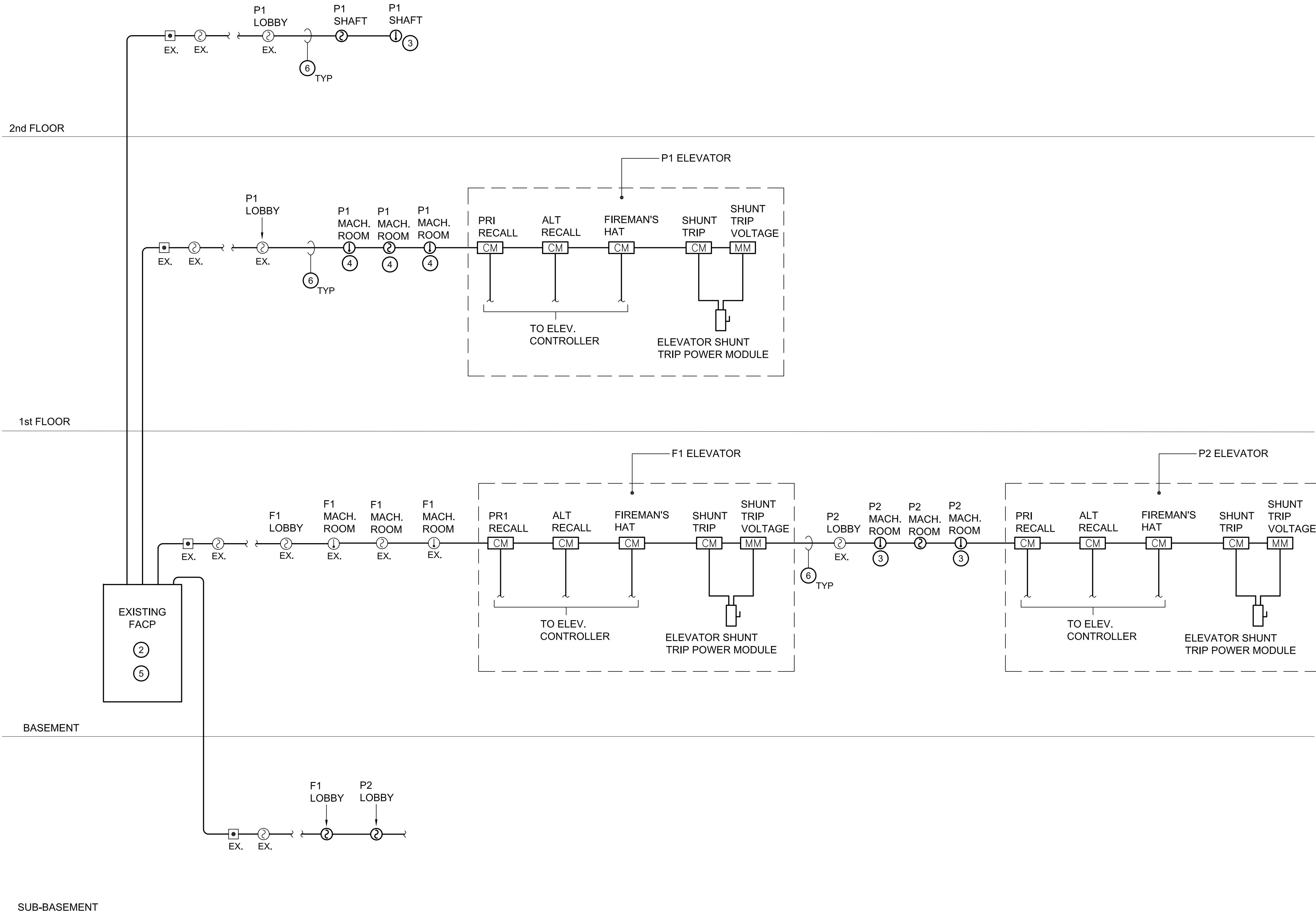
three-quarters inch = one foot

one-half inch = one foot

three-eighths inch = one foot

one-quarter inch = one foot

one-eighth inch = one foot



1 FIRE ALARM RISER DIAGRAM
NOT TO SCALE

INPUT DEVICE	OUTPUT									
	INITIATE GENERAL ALARM CONDITION AND DISPLAY CUSTOM DEVICE ADDRESS ON FACP	TRANSMIT GENERAL ALARM STATUS TO CENTRAL MONITORING FACILITY	TRANSMIT ALARM SIGNAL TO EXISTING FACP IN BUILDING	INITIATE SUPERVISORY ALARM AND DISPLAY ON FACP MONITORING FACILITY	INITIATE ALL VISUAL FIRE ALARM NOTIFICATION APPLIANCES THROUGHOUT BUILDING	INITIATE AUDIBLE ALARM THROUGHOUT BUILDING	INITIATE PHASE 1 ELEVATOR RECALL TO BASEMENT (PRIMARY)	INITIATE PHASE 1 RECALL TO 1ST FLOOR (SECONDARY)	DISCONNECT POWER TO AFFECTED ELEVATOR	ILLUMINATE FIREFIGHTER WARNING LIGHT IN AFFECTED ELEVATORS
ELEVATOR LOBBY SMOKE DETECTOR - BASEMENT	•	•	•		•	•		•		•
ELEVATOR LOBBY SMOKE DETECTOR - OTHER THAN BASEMENT	•	•	•		•	•	•			•
ELEVATOR MACHINE ROOM SMOKE DETECTOR	•	•	•		•	•	•			•
ELEVATOR HOISTWAY SMOKE DETECTOR	•	•	•				•			•
ELEVATOR HOISTWAY OR MACHINE ROOM HEAT DETECTOR	•	•	•		•	•			•	•
LOSS OF CONTROL POWER TO ELEVATOR SHUNT TRIP CKT				•	•					

2 FIRE ALARM OPERATION MATRIX
NOT TO SCALE

DRAWING NOTES:

- 1 ALL FIRE ALARM WORK MUST COMPLY WITH THE REQUIREMENTS OF NRPA 72, NFPA 70, AND THE VA FIRE PROTECTION DESIGN GUIDE.
- 2 FIRE ALARM PANEL HAS RECENTLY BEEN INSTALLED UNDER A SEPARATE CONTRACT. THE PANEL IS BY EDWARDS.
- 3 HEAT DETECTORS SHALL BE 125 DEGREE F. RATE COMPENSATION TYPE. HEAT DETECTORS MUST BE WITHIN 24" OF SPRINKLER HEAD. ADJUST LOCATIONS AS REQUIRED. TYPICAL FOR ALL HEAT DETECTORS.
- 4 DEVICES ARE RELOCATED.
- 5 PROVIDE REPROGRAMMING AND TESTING AS REQUIRED. TESTING SHALL COMPLY WITH NFPA 72.
- 6 SIGNALING LINE CIRCUITS (SLC) SHALL BE CLASS B, STYLE 4 PER NFPA 72.

Revisions

Date

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Drawing Title

**FIRE ALARM RISER
DIAGRAM AND OPERATION
MATRIX**

Approved: Chief Engineering Services

Approved: Medical Center Director

Project Title

**REPLACE BUILDING
9 ELEVATORS**

Building Number
9

Location
COATESVILLE, PENNSYLVANIA

Checked
RAM

Drawn
QA

Date
26, September 2014

Project No.
542-08-110

DRAWING NO.
E501

Dwg. - Of xx

DELLC
JOB NO. 120701D

DATE
26, September 2014

PROJECT NO.
542-08-110

DRAWING NO.
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Dwg. - Of xx

BID DOCUMENTS

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Dwg. - Of xx