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It is the responsibility of the Construction Manager/General Contractor and all Sub-Contractors to verify all dimensions and accept conditions of prior work by related trades before proceeding with any work.

Date  
 11/10/06 Final-Issued for Constructi  
 Drawn By

Scale  
 NONE

Francis  
 Cauffman  
 Foley  
 Hoffmann

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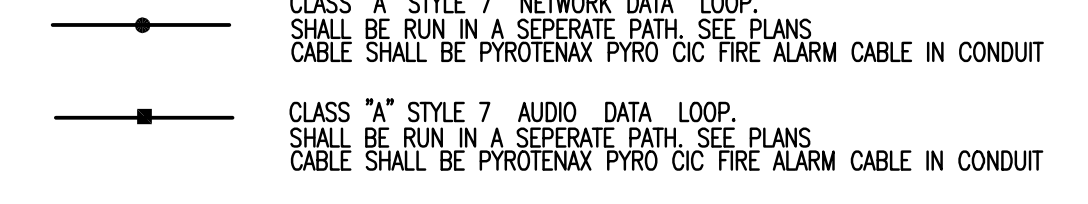
Project Title  
 Mercy Health Care  
 System of Maine  
 FORE RIVER SHORT  
 STAY HOSPITAL

Project Number  
 F05-4898  
 Drawing Title and Number  
 ELECTRICAL  
 FIRE ALARM  
 RISER  
 E4-2

FIRE ALARM KEY NOTES:

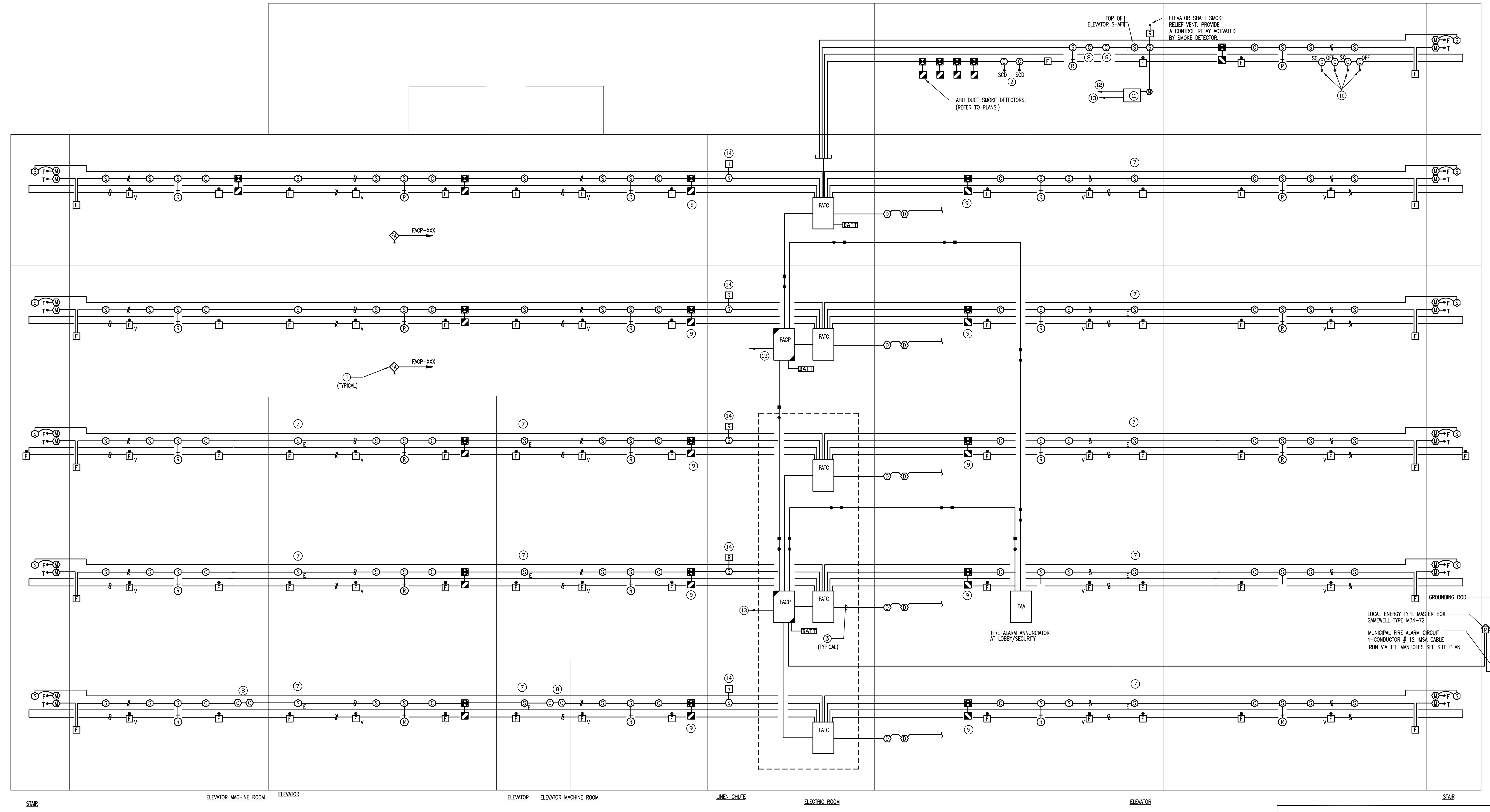
- PATIENT BED ROOM SMOKE DETECTOR ANNUNCIATOR PANEL.
- SMOKE DAMPERS IN PENTHOUSE SMOKE CONTROL SYSTEM.
- PROVIDE CONTROL MODULES AND RELAYS FOR 120 VOLT DOOR HOLDER/RELEASE. PROVIDE SEPARATE CONTROL MODULES AND RELAYS FOR AUTOMATIC DOORS. POWER TO DOOR HOLDERS AND AUTOMATIC DOORS TO BE INTERRUPTED UPON ACTIVATION OF FIRE ALARM SYSTEM ON RESPECTIVE FLOOR OF ALARM. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS.
- 24 VOLT POWER TO DEVICES AS REQUIRED.
- PROVIDE CONTROL MODULES AND RELAYS TO SERVE THE SUPPLY AIR SMOKE DAMPERS (120V) AND THE RETURN AIR SMOKE DAMPERS (120V) FOR EACH SMOKE ZONE. REFER TO THE ARCHITECTURAL PLANS FOR THE QUANTITY OF SMOKE ZONES PER FLOOR. SEE FLOOR PLANS FOR ADDITIONAL INFORMATION.
- PROVIDE CONTROL MODULES AND RELAYS TO RELEASE FOLDING FIRE BARRIERS AND/OR ELECTRICALLY OPERATED DOORS (E. AUTOMATIC DOORS, SECURITY DOORS, ETC.) COORDINATE INTERFACE WITH HARDWARE MANUFACTURER AND HOSPITAL SECURITY VENDOR. FIRE BARRIERS ON FLOOR OF ALARM. SEE FLOOR PLANS FOR QUANTITIES, LOCATIONS AND ADDITIONAL INFORMATION.
- SMOKE DETECTORS IDENTIFIED "E" ARE DENOTING SPECIFIC SMOKE DETECTORS LOCATED IN ELEVATOR LOBBY FOR ELEVATOR RECALL FUNCTION. UPON ACTIVATION OF ANY ELEVATOR LOBBY SMOKE DETECTORS OTHER THAN THE DESIGNATED LEVEL SHALL SEND A SIGNAL TO CONTROL ZAM AT ELEVATOR CONTROLLERS TO INITIATE RECALL TO DESIGNATED LEVEL. IF DETECTOR IN ALARM IS THE DESIGNATED LEVEL THE RECALL SIGNAL SHALL INITIATE RECALL TO ALTERNATE LEVEL.
- ADDRESSABLE CONTROL RELAYS TO SIGNAL ELEVATOR RECALL ONE FOR DESIGNATED LEVEL AND ONE FOR ALTERNATE LEVEL UPON ACTIVATION OF DESIGNATED ELEVATOR LOBBY SMOKE DETECTORS, OR ELEVATOR MACHINE ROOM SMOKE DETECTORS PHASE 1 ELEVATOR RECALL SHALL BE INITIATED.
- DUCTSMOKE DETECTORS SHALL BE INSTALLED AT COMMON RETURN DUCTS OF SPECIFIC AHU'S SERVING MORE THAN ONE LEVEL. DETECTORS SHOWN ON PLANS INDICATES UNIT ASSOCIATED WITH RETURN DUCT. DETECTORS SHALL BE PROGRAMMED TO SEND A SIGNAL FIRE ALARM TO INITIATE SMOKE CONTROL. REFER TO PLANS FOR LOCATIONS.
- CONTROL ZAMS TO SIGNAL AHU VFD'S TO INDEX TO ATRIUM SMOKE CONTROL MODE. "SC" INDICATES FAN TO SMOKE MODE, "OFF" MANUAL OVERRIDE TO OFF. REFER TO DRAWINGS.
- ELEVATOR MACHINE ROOM HEAT DETECTOR SUPERVISORY CONTROL PANELS, FOR ELEVATOR POWER SHUTDOWN. HEAT DETECTORS TO ACTIVATE PRIOR TO SPRINKLER HEADS TO INITIATE SAFETY SHUTDOWN IN ACCORDANCE WITH ANSI A17.1 STANDARDS. SEE DETAIL DRAWING E-6-7 PROVIDE A MONITOR ZAM FOR PANEL SUPERVISION.
- SHUNT TRIP SIGNAL TO ELEVATOR POWER BREAKERS.
- AT EACH FIRE ALARM CONTROL PANEL PROVIDE A 120 VOLT EMERGENCY LIFE SAFETY CIRCUIT.
- INTERLOCK TO LINEN CHUTE DOOR CONTROL.

FIRE ALARM LEGEND



FIRE ALARM NOTES:

- RISER DIAGRAM IS PARTIAL AND DOES NOT SHOW ENTIRE SYSTEM REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITIES OF ALL EQUIPMENT AND DEVICES.
- ALL WIRING SHALL BE INSTALLED IN CONDUIT. CABLE TYPES AND QUANTITIES PER MANUFACTURERS WIRING DIAGRAMS.
- REFER TO FIRE PROTECTION DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND QUANTITIES OF FLOW AND TAMPER SWITCHES.
- EACH FLOOR LEVEL SHALL BE PROVIDED WITH THE FOLLOWING FROM FACP:
  - DEDICATED ADDRESSABLE CLASS A LOOP FOR ALL DEVICES.
  - 24V PWR FOR ADDRESSABLE MODULES (CONTROL, MONITOR).
  - SELECTABLE AUDIO CIRCUITS & STROBE/HANDICAP LIGHT CIRCUITS.
- THE RETURN CLASS A INITIATION LOOPS SHALL BE RUN BACK TO FACP (TYPICAL EACH FLOOR).
- REFER TO HVAC SPECIFICATIONS FOR SMOKE CONTROL SEQUENCE OF OPERATION.



NOTES:  
 1. REFER TO POWER PLANS FOR EXACT QUANTITY AND LOCATION OF NEW FIRE ALARM DEVICES.  
 2. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN CONDUIT.

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