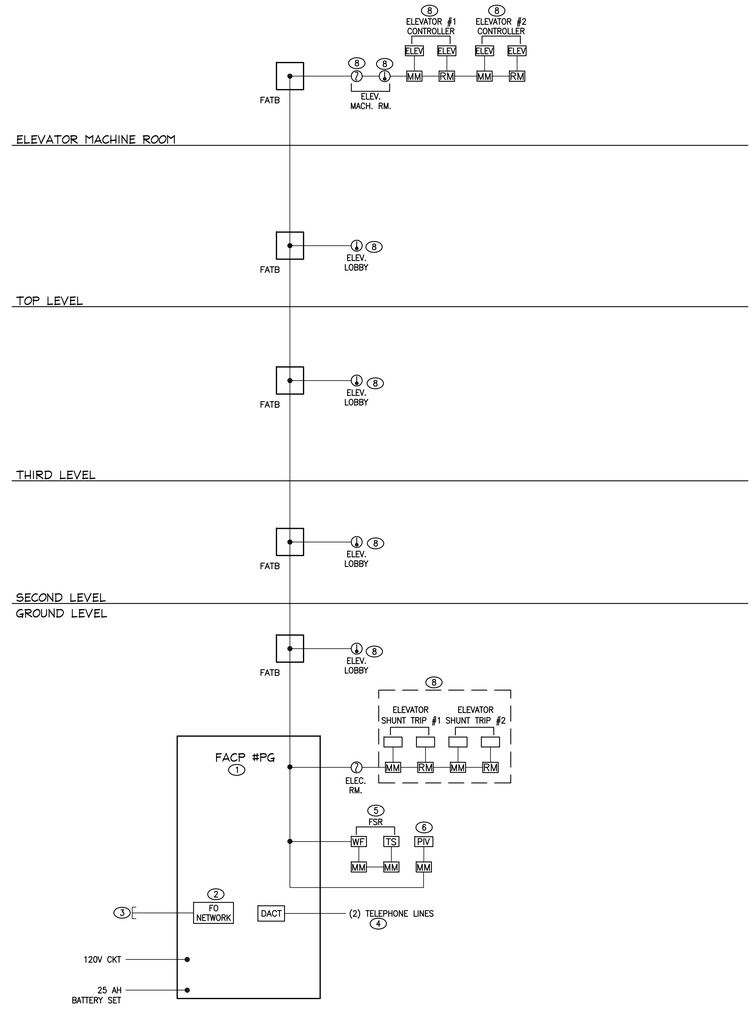

PARKING STRUCTURE FIRE ALARM RISER DIAGRAM

NTS

FIRE ALARM RISER DIAGRAM NOTES:

1. NEW FACP AND ALL FIRE ALARM DEVICES SHALL MATCH EXISTING IN EXISTING HOSPITAL BLDG #650, FOR FUTURE FIRE ALARM NETWORKING.
2. FACP SHALL HAVE FIBER OPTIC NETWORK CARD FOR FUTURE NETWORKING WITH EXISTING FACP IN BLDG #650.
3. ONE 2"C PER SITE ELECTRICAL PLAN FO EXISTING HOSPITAL BLDG #650, FOR FUTURE FIRE ALARM NETWORKING.
4. RUN TWO TEL LINES WITH JACKS FROM TELEPHONE BACKBOARD TO FACP FOR REMOTE MONITORING.
5. FIRE SPRINKLER SHALL BE PROVIDED IN FUTURE. RUN ONE 1"C FROM FACP TO FUTURE FSR LOCATION AS DIRECTED BY CIVIL ENGINEER FOR FUTURE CONNECTION.
6. PIV SHALL BE PROVIDED IN FUTURE. RUN ONE 1"C FROM FACP TO FUTURE LOCATION AS DIRECTED BY CIVIL ENGINEER FOR FUTURE CONNECTION.
7. MONITORING AN ACTIVATION OF ELEVATOR SHUNT TRIP BREAKERS SHALL BE PROVIDED IN FUTURE WHEN THE FIRE SPRINKLER SYSTEM IS INSTALLED. SHOWN FOR REFERENCE ONLY.
8. PROGRAM INITIATION DEVICES FOR ELEVATOR CAR RECALL FUNCTION.

FIRE ALARM SYSTEM OPERATION MATRIX

DEVICE	ACTIVATE EVACUATION NOTIFICATION DEVICES	SHUTDOWN ASSOCIATED FAN/SMOKE DAMPERS	ANNUNCIATE AT BUILDING FACP	ANNUNCIATE AT REMOTE ANNUNCIATOR	SEND SIGNAL TO CENTRAL STATION	ELEVATOR RECALL	ELEVATOR SHUNT TRIP
FIRE ALARM PANEL SYSTEM TROUBLE			X	X	X		
MANUAL PULL STATION	NA		NA	NA	NA		
SMOKE DETECTOR	NA		X	X	X		
HEAT DETECTOR	NA		X	X	X		
DUCT SMOKE DETECTOR	NA	NA	NA	NA	NA		
WATER FLOW SWITCH	NA		X	X	X		
VALVE TAMPER SWITCH			SUPERVISORY	SUPERVISORY	SUPERVISORY		
POST INDICATOR VALVE			SUPERVISORY	SUPERVISORY	SUPERVISORY		
ELEVATOR LOBBY, MACHINE ROOM SMOKE DETECTORS			X	X		X	
ELEVATOR MACHINE ROOM, HOISTWAY HEAT DETECTORS			X	X			X

FIRE ALARM SYSTEM WIRING NOTES:

1. ADDRESSABLE SIGNAL LINE CIRCUIT CABLES RUN INSIDE BLDGS SHALL BE #16 TWISTED SHIELDED PAIRED FPL CABLE, BELDEN #9575 OR EQUAL.
2. ADDRESSABLE SIGNAL LINE CIRCUIT CABLES RUN UNDERGROUND OR EXTERIOR OF BLDGS SHALL BE #16 TWISTED SHIELDED PAIRED FPL CABLE LISTED FOR WET LOCATION, WEST PENN #A0294 OR EQUAL.
3. NAC CIRCUIT WIRING SHALL BE #12 THWN COPPER RUN IN CONDUIT; OR 2-CONDUCTORS #12 FPL CABLES BELDEN #9582 OR EQUAL.

CONSTRUCTION DOCUMENTS - FINAL SUBMISSION

Revisions: | Date

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