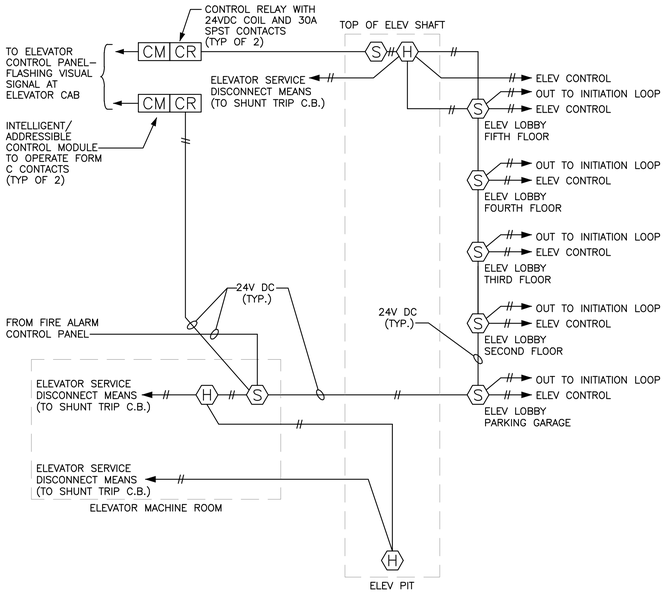
ELEVATOR FIRE ALARM INTERFACE WIRING DIAGRAM NOTES:

1. AUTOMATIC HEAT DETECTORS SHOWN FOR AUTOMATIC DISCONNECT OF ELEVATOR ELECTRIC SERVICE BY MEANS OF SHUNT TRIP C.B. ARE REQUIRED ONLY WHEN FACILITY IS SPRINKLERED.
2. FOR SPRINKLERED FACILITIES, WHEN A SPRINKLER HEAD IS LOCATED IN THE ELEVATOR SHAFT WITHIN 24" OF THE PIT FLOOR, THE AUTOMATIC HEAT DETECTOR AT THE ELEVATOR PIT FOR ELEVATOR SERVICE DISCONNECT IS NOT REQUIRED.
3. FOR SPRINKLERED FACILITIES WHERE NO SPRINKLER HEADS ARE INSTALLED IN THE ELEVATOR SHAFT, NEITHER THE AUTOMATIC HEAT DETECTOR AT THE TOP OF THE ELEVATOR SHAFT FOR ELEVATOR DISCONNECT, NOR THE AUTOMATIC SMOKE DETECTOR AT THE TOP OF THE ELEVATOR ARE REQUIRED.
4. ADJUST QUANTITY OF SMOKE DETECTORS AND INITIATION LOOPS AS NECESSARY TO ACCOMMODATE ALL ELEVATOR STOPS.
5. ELEVATOR SMOKE FAN SHALL BE WIRED TO START UPON ACTIVATION OF ANY ELEVATOR LOBBY SMOKE DETECTOR AN ALARM CONDITION AT THE FIRE ALARM CONTROL PANEL, OR BY ACTIVATION OF THE FLOW SWITCH AT THE SPRINKLER MAIN. PROVIDE A RECESSED KEY SWITCH AT MAIN VESTIBULE FOR THE FIRE DEPARTMENT CONTROL OF ELEVATOR SMOKE FAN (SWITCH TO MANUALLY START/STOP FAN). COORDINATE ALL REQUIREMENTS WITH SPECIFICATION SECTION 15600.

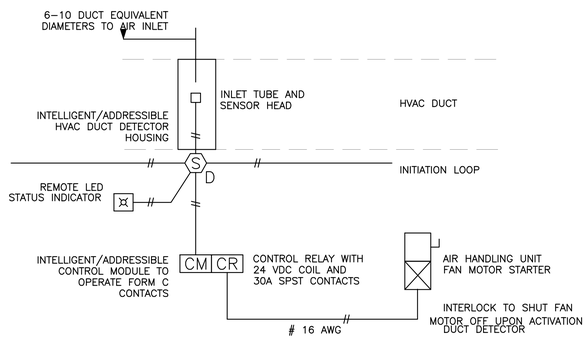


INSTALL DETECTORS AND WIRING IN CONFORMANCE WITH STATE ELEVATOR CODE.

ELEVATOR FIRE ALARM INTERFACE WIRING DIAGRAM

NOT TO SCALE

TYPICAL FOR ELEVAQTOR #1 AND ELEVATOR #2



INSTALL DUCT DETECTORS IN CONFORMANCE WITH NFPA 90A

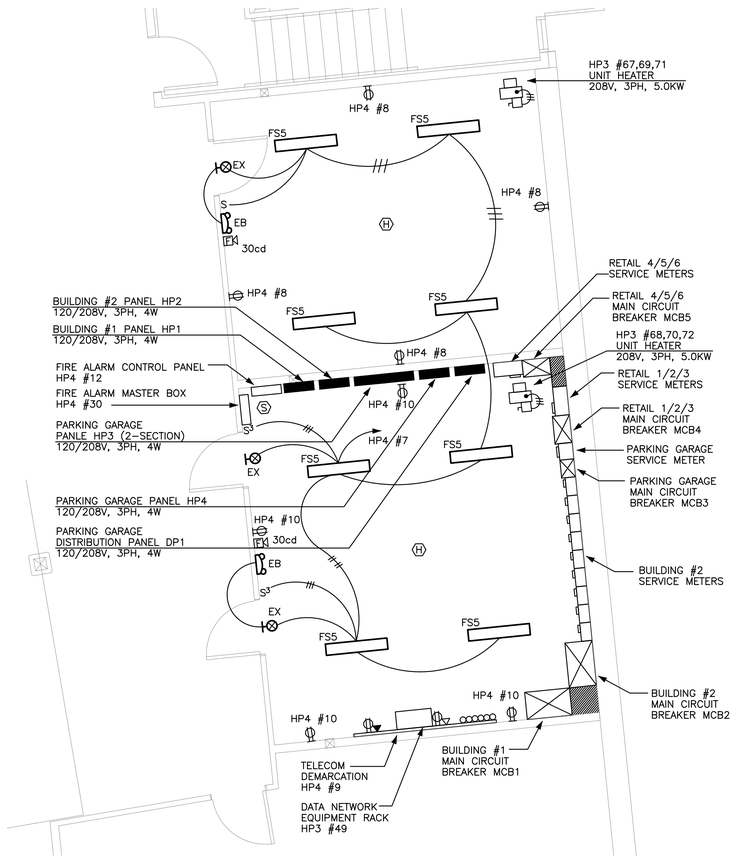
PROVIDE SINGLE DUCT DETECTOR FOR HVAC UNITS SIZED 2000 CFM – 4000 CFM. PROVIDE DUCT DETECTORS IN BOTH SUPPLY AND RETURN DUCTS FOR HVAC UNITS SIZED ABOVE 4000 CFM.

HVAC FIRE ALARM INTERFACE WIRING DIAGRAM

NOT TO SALE

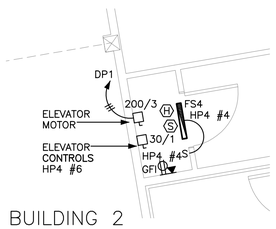
DETAIL PLAN NOTES:

1. VERIFY THE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.
2. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL DISCONNECT SWITCH SIZES SHALL BE 30A/3P.
3. UNLESS SPECIFICALLY NOTED OTHERWISE, THE WIRE SIZE FOR ALL 3–PHASE MOTORS SHALL BE 3 #12, 1 #12GND, IN A 3/4" CDT.
4. PROVIDE A TIME SWITCH TO BE MOUNTED ABOVE PANEL HP4. CIRCUIT TO PANEL HP4 #28. TIME CLOCK SHALL CONTROL EXTERIOR LIGHTING AS DESCRIBED IN THE ELECTRICAL SPECIFICATION. THE TIME CLOCK SHALL BE TORK #E201B, OR EQUAL.



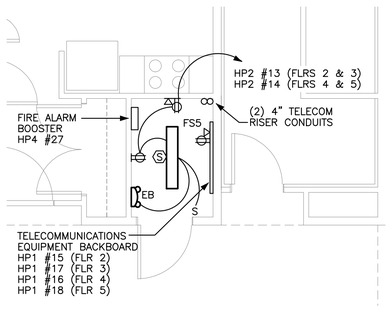
MECHANICAL & ELECTRICAL ROOMS

1/4" = 1'–0"



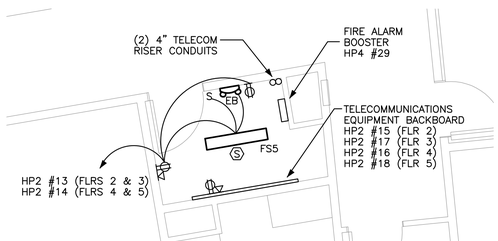
BUILDING 2 ELEVATOR MACHINE ROOM

1/4" = 1'–0"



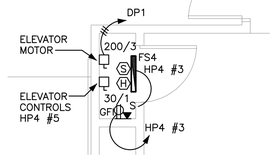
BUILDING 1 TYPICAL UTILITY ROOM

1/4" = 1'–0"



BUILDING 2 TYPICAL UTILITY ROOM

1/4" = 1'–0"



BUILDING 1 ELEVATOR MACHINE ROOM

1/4" = 1'–0"

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ELECTRICAL DETAILS & RISER DIAGRAMS
Scale: 1/4" = 1'-0"
Commission No: 11-013
Date: November 29, 2012

REVISIONS:

DRG. NO.
E3.9