ELEVATOR NOTES BY SYMBOL "⬡"

(1) SMOKE DETECTORS (NON-RESETTING TYPE) SIGNAL FIRE ALARM PANEL FOR NOTIFICATION.

(2) ELEVATOR CONTROL PANEL SIGNALS F.A.C.P. WHEN CAB IS RECALLED. HEAT DETECTOR SIGNALS F.A.C.P. WHEN HEAT DETECTOR IS ACTIVATED AND SHUNT TRIPS MAIN POWER SUPPLY TO ELEVATOR.

(2a)(2b) ELEVATOR CONTROLLER SIGNAL'S CAB, IF DESIGNATED FLOOR DETECTOR IS IN ALARM THEN CAB RETURNS TO ALTERNATE LEVEL AS APPROVED BY THE AUTHORITY HAVING JURISDICTION. IF THE SMOKE DETECTOR IN ALARM IS AT OR BELOW THE LOWEST LANDING OF RECALL, CAB SHALL BE SENT TO THE UPPER LEVEL OF RECALL.

(3) ACTIONS BY SMOKE DETECTORS ARE COMMUNICATED TO THE ELEVATOR CONTROL PANEL AND NOT THROUGH ANY OTHER FIRE SIGNALING DEVICE (I.E. F.A.C.P.). SMOKE DETECTORS (1) CAN COMMUNICATE FOR ALARM NOTIFICATION, HOWEVER THIS FUNCTION MUST BE TOTALLY SEPARATE FROM THE ELEVATOR CONTROL.

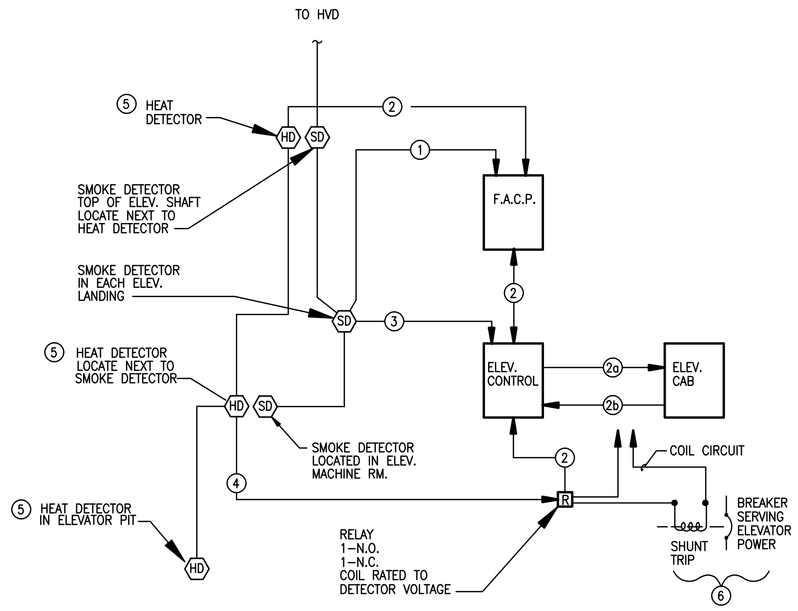
(4) IF THE BUILDING IS SPRINKLED, A MEANS MUST BE PROVIDED TO AUTOMATICALLY DISCONNECT THE MAIN LINE POWER SUPPLY TO THE AFFECTED ELEVATOR OR PRIOR TO TO THE APPLICATION OF WATER FROM SPRINKLERS LOCATED IN THE MACHINE ROOM OR IN THE HOISTWAY. SMOKE DETECTORS MAY NOT BE USED FOR THIS FUNCTION. THERE ARE TWO METHODS THAT MIGHT BE ACCEPTABLE IN PROVIDING THIS FUNCTION.

a. HEAT DETECTORS SET AT 135°F LOCATED IN THE MACHINE ROOM, HOISTWAY AND ELEVATOR PIT SHALL PROVIDE SHUNT TRIPPING ON THE MAIN BREAKER SERVING THE ELEVATOR. HEAT DETECTORS MUST BE MOUNTED NEXT TO SPRINKLER HEADS.

b. A SPRINKLER WATER FLOW SWITCH SHALL BE INSTALLED IN THE SPRINKLER PIPING SERVING THE ELEVATOR MACHINE ROOM, HOISTWAY, AND THE ELEVATOR PIT ONLY WHEN A SPRINKLER HEAD OPENS AND WATER FLOW BEGINS, THE FLOW SWITCH WILL SHUNT TRIP THE MAIN BREAKER SERVING THE ELEVATOR, THUS INSURING THE POWER WILL BE DISCONNECTED THE APPLICATION OF WATER.

(5) 135°F HEAT DETECTORS: IN ELEVATOR SHAFT, IN ELEVATOR MACHINE ROOM, AND IN ELEVATOR PIT. SHUNT TRIP MAIN POWER SUPPLY TO ELEVATOR ON ACTIVATION.

(6) SHUNT TRIP CIRCUIT BREAKER FOR ELEVATOR CONTROLLER MUST BE LOCATED IN ELEVATOR EQUIPMENT ROOM.



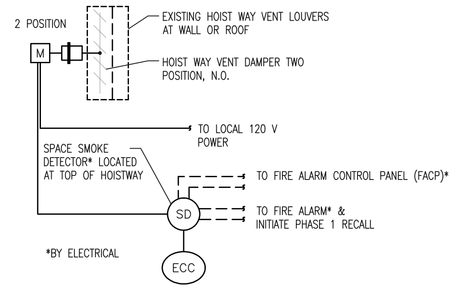
EXISTING FIRE ALARM DEVICES SHOWN ON DRAWINGS MAY BE USED PROVIDED THAT THEY:

1. MEET SPEC SECTION 28 31 00.
2. ARE UL LISTED OR FM APPROVED.
3. IS COMPATIBLE WITH NEW EQUIPMENT BEING INSTALLED.
4. IS VERIFIED AS OPERABLE THROUGH CONTRACTOR TESTING AND INSPECTION.
5. IS WARRANTED BY THE CONTRACTOR.

CONTRACTOR IS RESPONSIBLE FOR MAKING DUE DILIGENCE SITE VISIT PRIOR TO SUBMITTING A BID ON THE SCOPE.

1 ELEVATOR COMPLIANCE ASME-A17.1

NTS



NOTES:

1. THE DAMPER SHALL REMAIN CLOSED DURING NORMAL OPERATION AND OPEN UPON LOSS OF POWER FROM A SIGNAL FROM THE SMOKE DETECTOR, LOCATED AT THE TOP OF THE HOISTWAY. COORDINATE NUMBER OF CONTACTS WITH THE ELECTRICAL AND FIRE PROTECTION DESIGNS.
2. PROVIDE A BINARY DDC POINT TO SOUND AN ALARM AT ECC.
3. REMOTE ALARM SHALL BE ACTIVATED WHEN THE HOISTWAY SMOKE DETECTOR DETECTS SMOKE.

2 EXISTING HOISTWAY VENT DAMPER (HVD) CONTROLS

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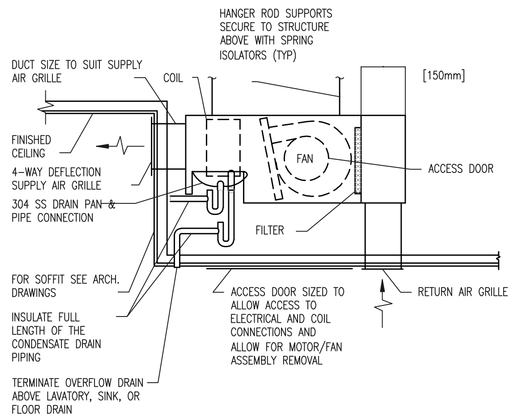


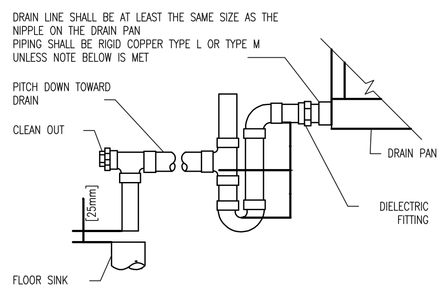
NOTES:

1. SIX INCH [150mm] PLENUM AS SHOWN SHALL BE SUPPLIED BY MANUFACTURER OF FAN COIL UNIT.
2. SEE DETAIL FOR SUPPLY & RETURN PIPING CONNECTIONS.

   PROVIDE ACCESS FOR FILTER REMOVAL.
3. SEE FAN COIL UNIT SCHEDULE FOR PIPE SIZES.
4. SUPPLY & RETURN GRILLES SHALL BE SIZED TO SUIT CONNECTIONS ON FAN COIL UNIT. DUCTWORK SHALL SUIT GRILLES AND FAN COIL UNIT FURNISHED.

3 FAN COIL UNIT - HORIZONTAL CONCEALED

NTS



NOTE: 1. CPVC PIPE MAY BE USED ONLY IF APPROVED BY LOCAL VA AND IS INDOORS AND DOES NOT PASS THROUGH RATED BARRIERS.
2. DIELECTRIC FITTING TO BE USED WHEN TWO DISSIMILAR METALS ARE TO BE CONNECTED.

UNIT TYPE	A	B
DRAW THRU	2" [50mm] PLUS X	X
BLOW THRU	1" [25mm] MINIMUM	2X

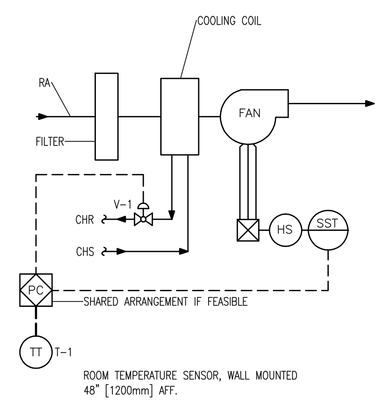
WHERE X = STATIC PRESSURE IN PAN

4 AIR HANDLING UNIT DRAIN TRAP DETAIL

NTS

FAN COIL SEQUENCE OF OPERATION (COOLING ONLY)

1. FAN COIL UNIT SHALL OPERATE ON A SCHEDULE AS SET BY THE DCC.
2. MODULATE V-1 TO MAINTAIN SPACE SET POINT AND FAN SHALL CYCLE W/TEMPERATURE.
3. ALARM IF SPACE TEMPERATURE OUTSIDE OF RANGES.



5 COOLING ONLY FAN COIL UNIT CONTROLS

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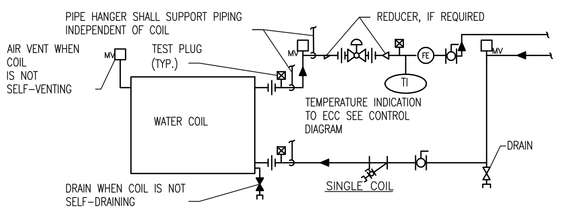

NOTE:

1. WHEN COIL IS INCLUDED IN CASING MOUNTED ON VIBRATION ISOLATORS THE FIRST 2 HANGERS FOR EACH PIPE SHALL BE SPRING & NEOPRENE TYPE. TYPE "H" FOR 4" [100mm]Ø PIPE & SMALLER. TYPE "H-P" FOR 5" [125mm]Ø PIPE & LARGER.
2. PIPING SHALL BE INSTALLED IN SUCH MANNER THAT IT WILL NOT BLOCK THE SWING OR USE OF ACCESS DOORS OR PANELS; NEITHER SHALL IT BLOCK THE SERVICING OF FILTERS, VALES, OR EQUIPMENT.
3. THE FLOW ELEMENT MAY BE INSTALLED IN THE SUPPLY PIPING IF THE REQUIRED MINIMUM UPSTREAM AND DOWNSTREAM DIMENSIONS CANNOT BE OBTAINED IN THE RETURN PIPING.

6 WATER COILS - PIPING CONNECTIONS

NTS

STATE OF TEXAS — WILLIAM J. MCKEE — 90654 — REGISTERED PROFESSIONAL ENGINEER — 02/18/2010

100% CD'S

Revisions	Date

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Drawing Title	MEP-DETAILS
Approved Project Director	
Project Title	ELEVATOR REPAIRS AND UPGRADES, BUILDINGS 1,29
Location	VAMC - THOMAS E. CREEK
Date	02.18.10
Checked	
Drawn	
Project Number	VA 504-11-105
Building Number	1, 29
Drawing Number	MEP002

Office of Construction and Facilities Management

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