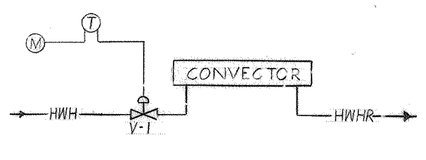
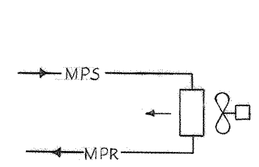


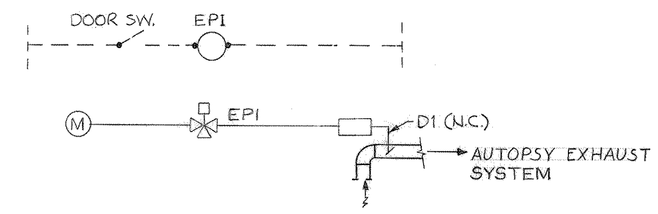
HOT WATER CONVECTOR CONTROL

1. ROOMSTAT MODULATES HOT WATER VALVE V-1 TO MAINTAIN 75°F.



HORIZONTAL PROPELLER TYPE STEAM UNIT HEATER CONTROL

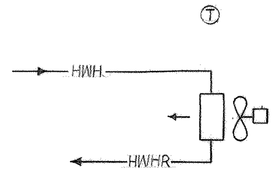
1. FAN IS CONTROLLED FROM A MANUAL MOTOR STARTER LOCATED NEAR THE UNIT.
2. WALL-MOUNTED, LINE VOLTAGE THERMOSTAT CYCLES UNIT FAN TO MAINTAIN SETPOINT. FURNISH THERMOSTAT FOR INSTALLATION WITH MOTOR WIRING.



MORTUARY REFRIGERATOR EXHAUST CONTROL

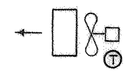
SEQUENCE OF OPERATIONS:

1. WHEN REFRIGERATOR DOOR IS OPEN, EXHAUST DAMPER D1 SHALL OPEN.



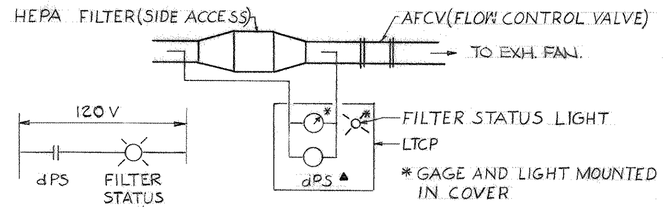
HORIZONTAL AND VERTICAL PROPELLER TYPE HOT WATER UNIT HEATER CONTROL

1. FAN IS CONTROLLED FROM A MANUAL MOTOR STARTER LOCATED NEAR THE UNIT.
2. WALL-MOUNTED, LINE VOLTAGE THERMOSTAT CYCLES UNIT FAN TO MAINTAIN SETPOINT. FURNISH THERMOSTAT FOR INSTALLATION WITH MOTOR WIRING.



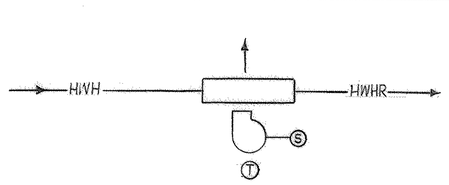
HORIZONTAL PROPELLER ELECTRIC UNIT HEATER WITH INTEGRAL THERMOSTAT

1. FAN IS CONTROLLED FROM A MANUAL MOTOR STARTER LOCATED NEAR UNIT.
2. UNIT-MOUNTED THERMOSTAT PROVIDED WITH UNIT HEATER CYCLES UNIT HEATER TO MAINTAIN 65°F.



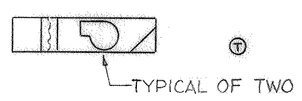
HEPA FILTER CONTROL

1. WHEN FILTER PRESSURE DROP RISES TO 2.0 INCHES OF WATER, "FILTER STATUS" LIGHT (RED) SHALL BE ENERGIZED.
2. LTCP SHALL BE LOCATED IN THE FOLLOWING LOCATIONS FOR HEPA 4: IN ANTEROOM (1D141) FOR H3-72 HOODS, IN ROOM SERVED FOR REMAINING HEPA FILTERS, IN SERVICE BAY WHERE FILTER IS LOCATED.



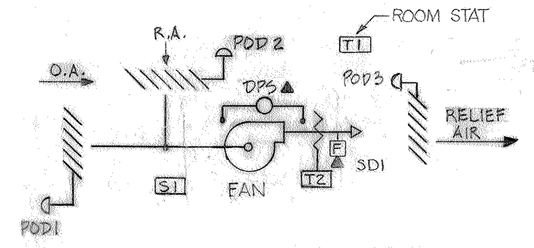
VERTICAL FLOOR AND WALL CABINET TYPE HOT WATER UNIT HEATER CONTROL

1. FAN SHALL BE MANUALLY CONTROLLED FROM UNIT-MOUNTED, THREE-SPEED SWITCH.
2. UNIT-MOUNTED, LINE VOLTAGE THERMOSTAT WITH REMOTE BULB IN RETURN AIR CYCLES THE UNIT FAN, IN EITHER SPEED SELECTED BY THE SPEED SWITCH, TO MAINTAIN SETPOINT.



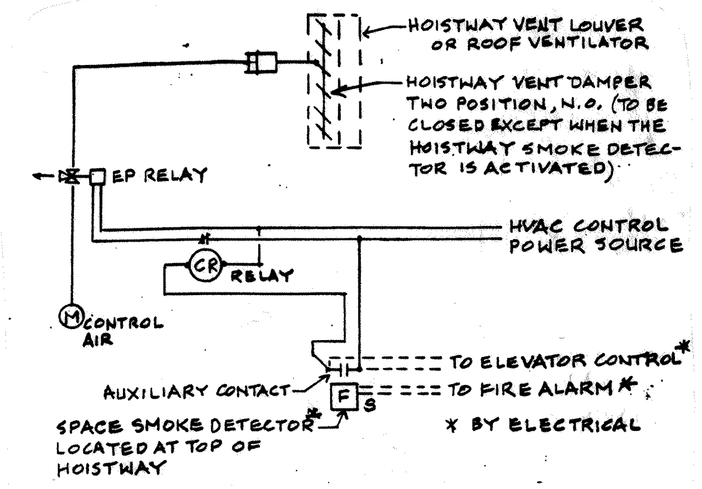
HORIZONTAL CEILING ELECTRIC CABINET TYPE UNIT HEATER (1-EUH30, 31)

1. WALL-MOUNTED, LINE VOLTAGE THERMOSTAT CYCLES UNIT TO MAINTAIN 65°F. FURNISH THERMOSTAT FOR INSTALLATION WITH MOTOR WIRING.
2. THERMOSTAT TO BE MOUNTED IN DOOR MULLION.

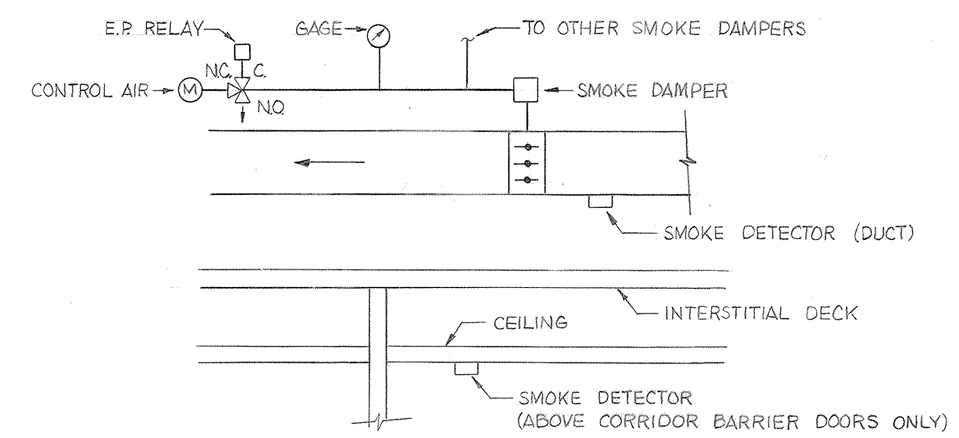


VENTILATING UNITS NO. 5, 6 AND 7

1. FAN IS OPERATED MANUALLY BY S-1 (LOCAL SWITCH). POD3 OPENS.
2. T-1 MODULATES POD1 AND POD2 TO MAINTAIN 75°F.
3. LOW LIMIT T-2 OVERRIDES T-1 TO LIMIT LEAVING AIR TEMPERATURE TO 50°F.
4. POD1 CLOSES WHEN FAN STOPS.
5. WHEN SMOKE IS SENSED AT SD1, FAN STOPS AND POD1 AND POD3 CLOSE.

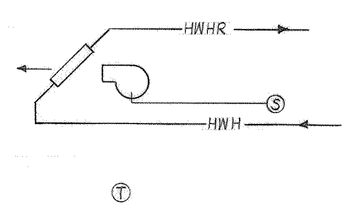


HOISTWAY VENT DAMPER (HVD) CONTROL



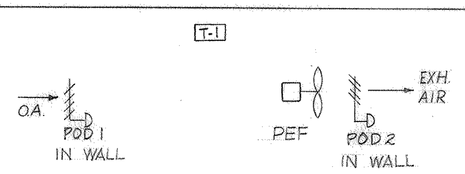
DUCT-MOUNTED SMOKE DETECTOR

1. SMOKE DAMPER IN DUCT ABOVE BARRIER DOOR SHALL CLOSE WHEN SMOKE IS SENSED BY CORRIDOR SMOKE DETECTOR.
2. ALL OTHER DUCT-MOUNTED SMOKE DAMPERS (NOT ABOVE CORRIDOR DOORS) SHALL CLOSE WHEN SMOKE IS SENSED BY DUCT SMOKE DETECTOR. INDIVIDUAL DETECTORS REQUIRED FOR EACH DAMPER.
3. SEE FLOOR PLANS FOR SMOKE DAMPER AND DETECTOR LOCATIONS.
4. PROVIDE WIRING FROM AUXILIARY CONTACTOR IN SMOKE DETECTOR TO DAMPER OPERATOR AND/OR RELAY.



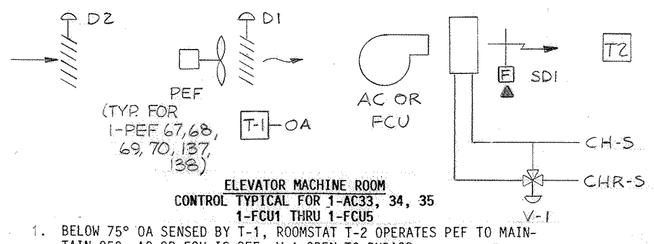
HORIZONTAL CEILING CABINET TYPE HOT WATER UNIT HEATER CONTROL

1. FAN SHALL BE MANUALLY CONTROLLED FROM UNIT-MOUNTED, THREE-SPEED SWITCH.
2. UNIT-MOUNTED LINE VOLTAGE THERMOSTAT WITH REMOTE BULB IN RETURN AIR CYCLES THE UNIT FAN, IN EITHER SPEED SELECTED BY THE SPEED SWITCH, TO MAINTAIN SETPOINT.



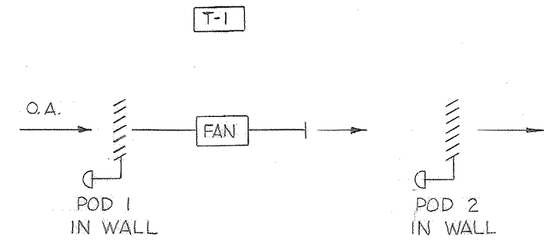
SERVICE BAYS AND EQUIPMENT ROOM VENTILATION
TYPICAL FOR FANS 71, 72, 74, 77 THRU 108

1. ROOMSTAT T-1 OPENS POD1, POD2, AND STARTS EXHAUST FAN WHEN TEMPERATURE RISES TO 85°F.
2. FAN STOPS, POD1 AND POD2 CLOSE WHEN TEMPERATURE FALLS TO 75°F.
3. POD1 AND POD2 TO BE MOUNTED IN DUCT OR AT WALL LOUVER AS INDICATED ON PLANS.
4. FANS 77 AND 98 ARE CENTRIFUGAL TYPE.



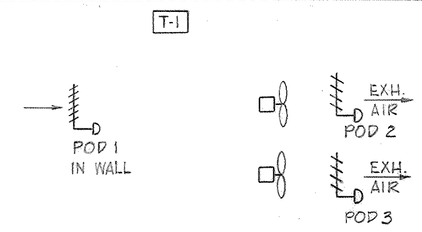
ELEVATOR MACHINE ROOM
CONTROL TYPICAL FOR 1-AC33, 34, 35
1-FCU1 THRU 1-FCU5

1. BELOW 75° OA SENSED BY T-1, ROOMSTAT T-2 OPERATES PEF TO MAINTAIN 95°, AC OR FCU IS OFF, V-1 OPEN TO BYPASS.
2. D-1 AND D-2 OPEN WHEN PEF IS ON.
3. ABOVE 75° OA SENSED BY T-1, AC OR FCU IS ON, T-2 CONTROLS V-1 TO MAINTAIN 95°, PEF IS OFF, D-1 AND D2 AR CLOSED.
4. EXHAUST FAN CF75 IS CONTROLLED SIMILARLY TO PEF FROM ROOMSTAT IN 70100G.
5. EUH, NOT SHOWN, IS CONTROLLED BY SEPARATE ROOMSTAT TO MAINTAIN 55°F. EUH AND ROOMSTAT ARE PROVIDED UNDER ELECTRICAL DIVISION.
6. WHEN SMOKE IS SENSED AT SD1, SUPPLY FAN STOPS AND D2 CLOSES (TYPICAL FOR 1-ACU33, 34, 35).



TRANSFORMER ROOM VENTILATION
(TYPICAL FOR FANS 45-48)

1. ROOMSTAT T-1 OPENS POD1 AND POD2, AND STARTS EXHAUST FAN WHEN TEMPERATURE RISES TO 85°F.
2. FAN STOPS, POD1 AND POD2 CLOSE WHEN TEMPERATURE FALLS TO 75°F.



GENERATOR ROOM VENTILATION

1. ROOM STAT T-1 OPENS POD1, POD2, POD3 AND STARTS EXHUST FAN WHEN TEMPERATURE RISES TO 85°F.
2. FANS STOP, POD1, POD2, AND POD3 CLOSES WHEN TEMPERATURE FALLS TO 75°F.

8-0-1-1348

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RECORD DRAWING
CORRECTED ON BASIS OF DATA
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RTKL/CSD/HENRY ADAMS (J.V.)
ARCHITECTS AND ENGINEERS
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BALTIMORE, MD 21202

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Date: 9/1/88

Project No.: 511-001D

Approved Project Director: Albert Miller

Scale: NONE

Checked:

Building Number: 1

Location: VAMC - BALTIMORE, MD.

DRAWING No.: 1-H88

Dwg. 115 of 123

Veterans Administration

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HA. JOB NO. V0022AO