


1.0 GENERAL:

- 1.1 IF EITHER HOOD DUCT MOUNTED HEAT SENSOR REACH SET POINT OF 95 DEG F (ADJUSTABLE), HEAT SENSOR SHALL SEND SIGNAL THRU ASSOCIATED TEMPERATURE INTERLOCK PANEL TO HOOD CONTROL PANEL TO ENERGIZE EF-1 AND MUAU-1. SEE 2.1 THRU 2.3 SEQUENCES.
- 2.0 WHEN LOCAL SWITCH IN SPACE IS "ON":
  - 2.1 EF-1 AND MUAU-1 SHALL ENERGIZE AND ASSOCIATED MOD SHALL OPEN. EF-1 AND MUAU-1 SHALL BE PROVEN BY CURRENT SENSING RELAY.
  - 2.2 MUAU-1 HEATING COIL 3-WAY VALVE SHALL MODULATE TO MAINTAIN LEAVING AIR SET POINT OF 65 DEG F (ADJUSTABLE) AS SENSED BY T1.
- 3.0 WHEN LOCAL SWITCH IN HOOD CONTROL PANEL IS "OFF" THE OPPOSITE SHALL OCCUR, UNLESS UNLESS OVER RIDDEN BY HEAT SENSORS (SEE 1.1 ABOVE).
- 4.0 FREEZE PROTECTION:
  - 4.1 WHEN MUAU-1 IS NOT ENERGIZED: IF TEMP IN THE UNIT DROPS BELOW 40 DEG F, AS SENSED BY FREEZE PROTECTION SENSOR LOCATED IN UNIT HOUSING, THE 3-WAY MOD CONTROL VALVE SHALL OPEN TO ALLOW HEATING HOT WATER TO ENTER COIL TO PREVENT COIL FREEZING.
  - 4.2 ON A RISE IN TEMPERATURE WITHIN THE UNIT ABOVE 40 DEG F, THE REVERSE SHALL OCCUR.

5.0 CHANGES TO CONTROL SEQUENCE PER THIS CONTRACT:

- 5.1 MECHANICAL CONTRACTOR SHALL REPLACE EXISTING MAKE-UP-AIR-UNIT MUAU-1 WITH A NEW SPLIT SYSTEM: (HEATING & COOLING SUPPLY FAN SF-1, AND CONDENSER C-1). EF-1 SHALL REMAIN.
- 5.2 CONTROLS CONTRACTOR WILL RECONFIGURE EXISTING "LOCAL FAN SWITCH" SO THAT EXISTING HOODS ENERGIZE EXISTING EXHAUST FAN EF-1 ONLY. (NEW SPLIT SYSTEM WILL BE SEPARATE).
- 5.3 EXISTING SEQUENCE TO EF-1 WILL REMAIN THE SAME. ("KICK-ON" TEMPERATURE WILL CHANGE).
- 5.4 CONTROLS CONTRACTOR WILL INSTALL A PROGRAMMABLE THERMOSTAT TO ENERGIZE NEW SPLIT-SYSTEM SF-1 & C-1 WHEN SIGNALLED BY THERMOSTAT.
- 6.0 COORDINATION OF EF-1, SF-1 & C-1:
- 6.1 SET BOTH EXISTING HOOD DUCT MOUNTED HEAT SENSORS TO TEMPERATURES OF 85 F.
- 6.2 THERMOSTAT CONTRACTOR WILL PROGRAM THERMOSTAT TO TURN ON SF-1 & C-1 WHEN CANTEEN PERSONNEL TURN ON EQUIPMENT THAT ACTIVATE HOODS (7:30 AM TO 2:30 PM - MON THRU FRI).
- 7.0 CONTROLS CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR & PROVIDE ALL CONTROL WIRING FOR A COMPLETE AND OPERABLE SYSTEM DESCRIBED HEREIN. ELECT CONTR SHALL PROVIDE EMPTY CONDUIT FOR CONTROL WIRING REQUIRED.

ALL WORK IN CANTEEN SHALL BE DONE  
AFTER 4:30PM OR ON WEEKENDS

		 <div>James E. Van Zandt Department Of Veterans Affairs Medical Center</div>	Drawing Title NEW KITCHEN CONTROL SEQUENCE		Project Title INSTALL A/C CANTEEN KITCHEN		Date		VAMC
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