

AHU SEQUENCE OF OPERATION AH1 & AH2

- GENERAL
- TEMPERATURE CONTROL
- AIR FLOW CONTROL
- FOR ALL CONDITIONS DESCRIBED IN 3.1 THRU 3.3 POSITION FOR THE RETURN FAN SHALL BE MAINTAINED AT 100% OF THE DESIGN FLOW RATE.
- FREEZE PROTECTION
- EMERGENCY CONSTANT SPEED OPERATION
- HUMIDITY CONTROL

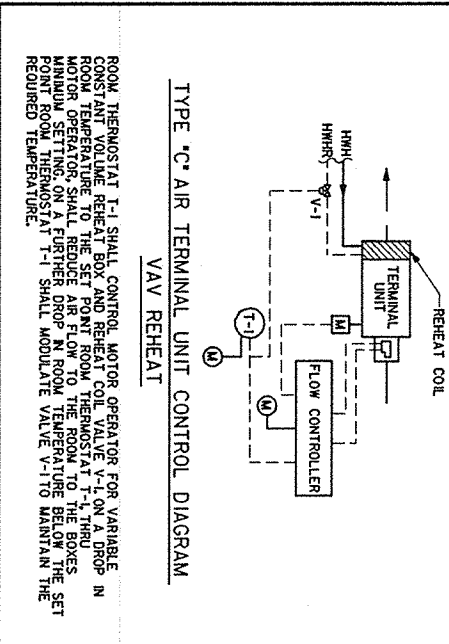
PACKAGE AIR COOLED WATER CHILLER UNIT CONTROLS

INTERLOCK PACKAGE AIR COOLED WATER CHILLER UNIT WITH CHILLED WATER PUMPS. PACKAGED WATER CHILLER UNIT TO BE PROVIDED WITH WATER PUMPS. PACKAGED WATER CHILLER UNIT TO BE PROVIDED WITH WATER PUMPS. PACKAGED WATER CHILLER UNIT TO BE PROVIDED WITH WATER PUMPS.

TWO PIPE HEATING VENTILATING UNIT CONTROLS

RELATE BUA THERMOSTAT T-1 WITH REMOTE BUA LOCATED IN RETURN AIR SHALL MAINTAIN THE BUA THERMOSTAT T-1 WITH REMOTE BUA LOCATED IN RETURN AIR SHALL MAINTAIN THE BUA THERMOSTAT T-1 WITH REMOTE BUA LOCATED IN RETURN AIR.

TERMINAL UNIT CONTROL (ALL TUS)



VAVO POINT SCHEDULE

SYSTEMS	HARDWARE				FEATURES			
	INPUT TO DCP	CUTOUT FROM DCP	ALARM	ALARM	TEMP SETBACK/SETUP	SCHEDULED STARTUP	ECONOMIZER CYCLE	VAV CONTROL
POINT DESCRIPTION	SMOKE DETECTOR (SAL)							
SMOKE DETECTOR (SAL)	X							
T-1 SENSOR		X						
T-2 SENSOR		X						
T-3 SENSOR		X						
T-4 SENSOR		X						
H-1 SENSOR		X						
H-2 SENSOR		X						
SPS-1 SENSOR		X						
SPS-2 SENSOR		X						
D-1 DAMPER (AIR COIL)		X						
D-2 DAMPER (AIR COIL)		X						
D-3 DAMPER (AIR COIL)		X						
D-4 DAMPER (AIR COIL)		X						
SO-1 DAMPER		X						
SO-2 DAMPER		X						
AR HANDLER/SUPPLY FAN		X						
AR HANDLER/RETURN FAN		X						
V-1 VALVE		X						
V-2 VALVE		X						
V-3 VALVE		X						
V-4 VALVE		X						
FAH STATION R.A.		X						
PRE-FILTER		X						
FLTR		X						
LIGHTING (6 PTS)		X						
CHILLER		X						
CHMS TEMP		X						
PUMP P-1		X						
PUMP P-2		X						
PUMP P-3		X						
PUMP P-4		X						
CMV FILTER		X						
CMV FILTER		X						
CMV TEMP		X						
CMV TEMP		X						
BOILER		X						

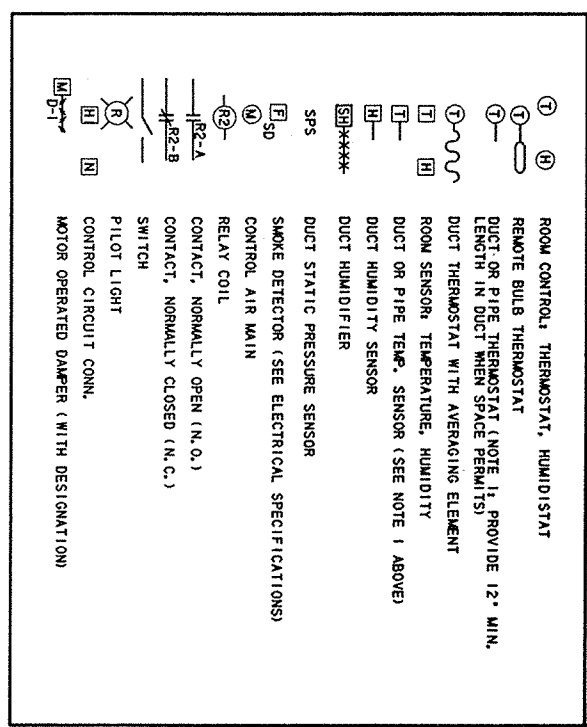
CHILLED WATER PUMP CONTROLS

THE LEAD CHILLED WATER PUMP SHALL START UPON A CALL FOR COOL WATER FROM THE DCP. THE LEAD PUMP IS UNABLE TO SUPPLY THE WATER FROM THE DCP. THE LEAD PUMP IS UNABLE TO SUPPLY THE WATER FROM THE DCP. THE LEAD PUMP IS UNABLE TO SUPPLY THE WATER FROM THE DCP.

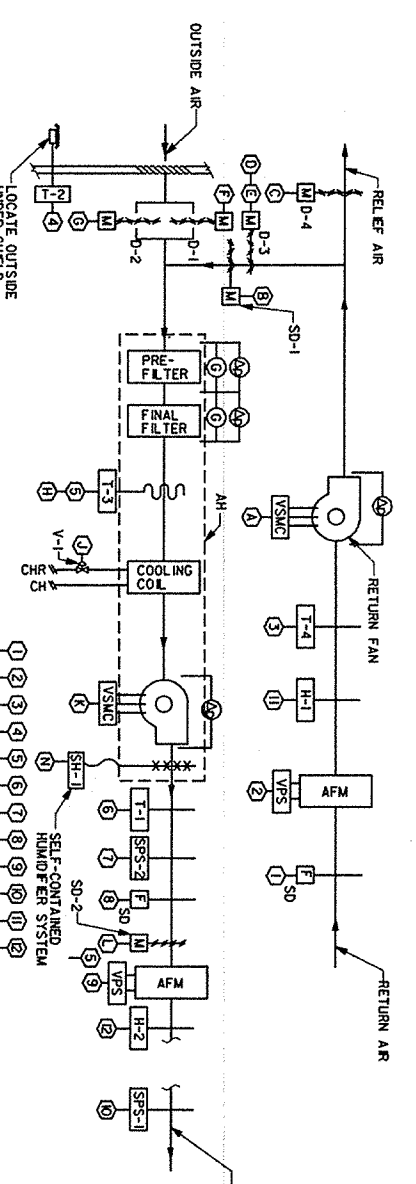
HOT WATER PUMP CONTROLS

THE LEAD HOT WATER PUMP SHALL START UPON A CALL FOR HOT WATER FROM THE DCP. THE LEAD PUMP IS UNABLE TO SUPPLY THE WATER FROM THE DCP. THE LEAD PUMP IS UNABLE TO SUPPLY THE WATER FROM THE DCP. THE LEAD PUMP IS UNABLE TO SUPPLY THE WATER FROM THE DCP.

CONTROL DEVICE SYMBOL LEGEND



CONTROLS SCHEME - AHUS 1&2



ABBREVIATIONS FOR INSTRUMENTATION AND CONTROLS

AFM	AIR FLOW MEASURING STATION
AP	DIFFERENTIAL PRESSURE SENSOR
DCP	DISTRIBUTED CONTROL PANEL
D-1	OUTSIDE AIR DAMPER (2 POSITION)
D-2	ECONOMIZER CYCLE DAMPER
D-3	RETURN AIR DAMPER/RETURN AIR SHUTTER DAMPER (MODULATING)
D-4	EXHAUST/RELIEF AIR DAMPER
ED SO	DUCT SMOKE DETECTORS TO FINE ALARM PANEL BY DIVISION 16)
LTP	LOCAL TEMPERATURE CONTR. PANEL
SP-1	SUPPLY AIR SMOKE DAMPER
SP-2	SUPPLY AIR SMOKE DAMPER
SPS1	STATIC PRESSURE SENSOR (SEE FLOOR PLANS FOR LOCATION)
SPS2	STATIC PRESSURE SENSOR (SEE FLOOR PLANS FOR LOCATION)
T-1	SUPPLY AIR TEMPERATURE SENSOR
T-2	OUTSIDE AIR TEMPERATURE SENSOR
T-3	MIXED AIR TEMPERATURE SENSOR (FREEZE PROTECTION)
T-4	RETURN AIR TEMPERATURE SENSOR
V-1	CHILLED WATER CONTROL VALVE STRAIGHT THRU MODULATING TYPE
VPS	VELOCITY PRESSURE SENSOR
VSMC	VARIABLE SPEED MOTOR CONTROLLER WITH MOTOR STARTER

Revision: _____ Date: _____

1 2 3 4 5 6 7 8 9

1/8" = 1" 1/4" = 1' 3/8" = 1' 1/2" = 1' 1/2" = 1' 3/4" = 1' 1" = 1' 1" = 1' 3" = 1' 3" = 1' 3"

WATER PUMP

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205/263-6401

Approved: _____
Project Manager

Approved: _____
Project Engineer

Contract Title: Relocate Regional Office to Decaparte Grounds Owned

Building Number: 42

Location: VMAC Montgomery, AL

Project No.: 322-002

Drawing No.: 42-H7

Date: 27 JANUARY 92

Drawn by: _____

Checked by: _____

Discussed by: _____

Office of Facilities

Department of Veterans Affairs