

SEQUENCES OF OPERATION:

GENERAL SCOPE OF WORK:

THE TEMPERATURE CONTROL WORK ON THIS PROJECT SHALL BE FIELD INSTALLED AND SHALL MATCH EXISTING HOSPITAL BUILDING AUTOMATION SYSTEM. THE BAS SHALL BE A FULLY DISTRIBUTED DDC SYSTEM WITH ELECTRONIC ACTUATION. AREAS FOR CONTROL PANEL INSTALLATION HAVE BEEN INDICATED ON "M" DRWGS. NOTIFY ARCHITECT BEFORE BID DATE IF OTHER AREAS ARE REQUIRED FOR INSTALLATION.

GENERAL SYSTEM STARTUP:

THE HVAC SYSTEM, INCLUDING TERMINAL EQUIPMENT, AND EXHAUST FANS, SHALL BE CYCLED THROUGH THE ACTION OF THE DDC SYSTEM AS DESCRIBED HEREIN. SUBMIT PROPOSED SEQUENCE OF OPERATION, POINTS LIST AND SCHEMATIC BEFORE BID DATE FOR EQUIPMENT NOT SHOWN HEREIN.

EXHAUST FAN:

CENTRALLY CONTROLLED SHALL ENERGIZE UPON A SIGNAL FROM THE DDC SYSTEM. OWNER TO DETERMINE FINAL SCHEDULE.

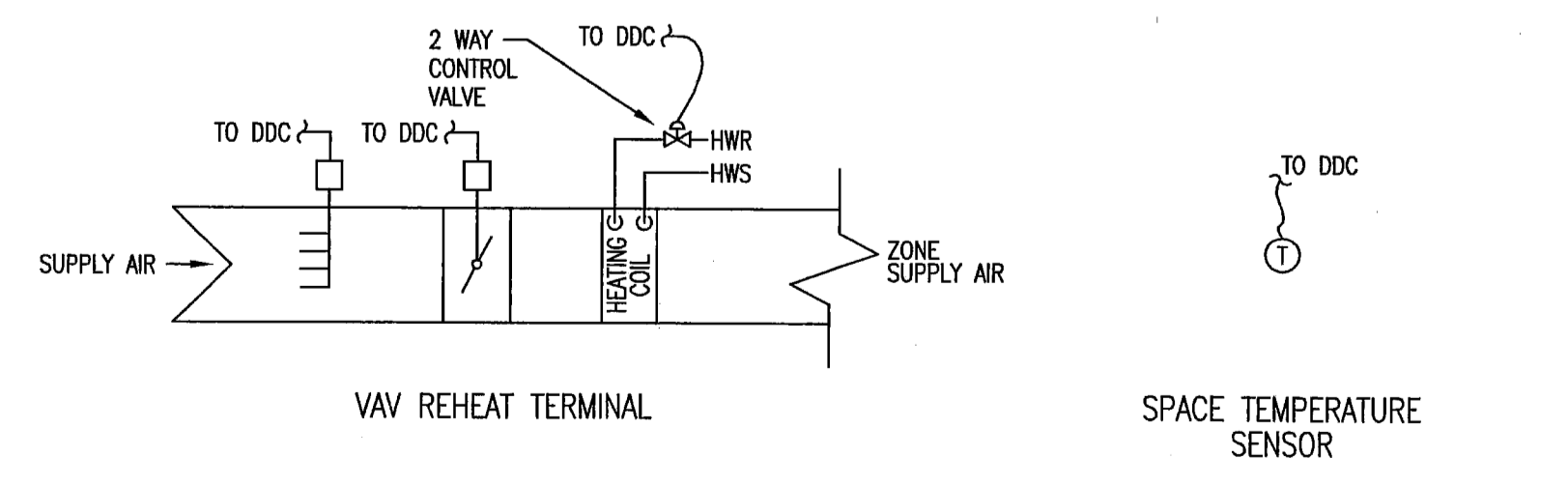
POINTS LIST						
LOCATION	SYSTEM/POINT	DO	DI	AO	AI	COMMENTS
ROOF	EXHAUST FAN START/STOP	•				
	EXHAUST FAN LOW PRESSURE				•	PRESSURE SENSOR

VAV TERMINAL W/ HOT WATER REHEAT

GENERAL ZONE CONTROL
DEDICATED, SINGLE SENSOR ZONES SHALL BE CONTROLLED FROM SENSORS AS SHOWN ON "M" DRAWINGS. THE VARIABLE VOLUME (VAV) TERMINAL UNIT IS CONTROLLED INDEPENDENT OF SYSTEM PRESSURE FLUCTUATIONS BY AN APPLICATION SPECIFIC DDC CONTROLLER USING ELECTRIC ACTUATION. THE SPACE SERVED BY THE VAV TERMINAL UNIT IS CONTROLLED AS FOLLOWS:

ZONE CONTROL
THE VAV TERMINAL UNIT IS CONTROLLED BETWEEN MAXIMUM AND MINIMUM SUPPLY AIR VOLUME SETTINGS. THE CONTROLLER MONITORS THE ROOM TEMPERATURE SENSOR AND AIR VELOCITY SENSOR AND MODULATES THE SUPPLY AIR DAMPER IN SEQUENCE WITH THE REHEAT VALVE TO MAINTAIN THE ROOM TEMPERATURE AT SET POINT.

POINTS LIST					
SYSTEM/POINT	DO	DI	AO	AI	COMMENTS
REHEAT VALVE			•		
SUPPLY AIR DAMPER			•		
SPACE TEMPERATURE				•	
SUPPLY AIR VOLUME				•	



A1	VAV/REHEAT TERMINAL UNITS
N.T.S.	CS-05