

# 230923S61- VARIABLE AIR VOLUME (VAV) SYSTEM WITH RELIEF AIR RETURN FAN

<u>VAV CONTROL</u>	DGP Requirement
Supply Fan S/S	DO
Supply Fan Stat	DI
SF Inlet Vane Pos	AO
SF Duct Static	AI
O.A. Damper Pos	AO
Freeze Stat Alm	DI
High Static Alm/Rst	DI
Filter Alm	DI

## TEMPERATURE CONTROL

Supp Air Temp	AI
Ret Air Temp	AI
Mixed Air Temp	AI
Valve Pos	AO
2-7# HTG	
8-13#CLG	
Zone Space Temp	AI
HW Pump 1A S/S	DO
HW Pump 1A Stat	DI
HW Pump 1B S/S	DO
HW Pump 1B Stat	DI

## RETURN RELIEF FAN

Return RF S/S	DO
Return RF Status	DI
Space Stat	AI
RRF Inlet Vane Pos	AO
RF Damper Pos	AO

## OPTIONAL POINTS

Supply Fan Stat	AI
60 Min Ext Ser Sw.	DI

## SOFTWARE CONTROL

Fan discharge air temperature by control of CW Valve, HW Valve and damper position.  
Duct static pressure by control of SF inlet vane, OA damper pos and MA damper pos.  
Return fan tracking to maintain design space static.  
Sequence of operation.

## NOTE:

The VAV pumps and reheat piping and valving shall be separate and independent of the unit ventilators and fan coil unit hot water zoning to allow the heating system to be automatically turned off in most of the building during summer months.