



POINTS LIST						
POINT NAME	POINT DESCRIPTOR	POINT TYPE				REMARKS
		DI	AI	DO	AO	
MAUxx.SMK-RA-ST5	MAUx RA Smk Det	1				
MAUxx.RA-T	MAUx RA Temp		1			
MAUxx.S-W-ALARM	MAUx SW VSD Alarm	1				(may be network pt)
MAUxx.S-W-ST5	MAUx SW Status	1				
MAUxx.S-W-FDBK	MAUx SW Feedback		1			(may be network pt)
MAUxx.S-W-SPD-0	MAUx SW Start/Stop			1	1	
MAUxx.S-W-H	MAUx SW Humidity		1			
MAUxx.S-W-T	MAUx SW Temp		1			
MAUxx.E-W-ALARM	MAUx EW VSD Alarm	1				(may be network pt)
MAUxx.E-W-ST5	MAUx EW Status	1				
MAUxx.E-W-FDBK	MAUx EW Feedback	1				(may be network pt)
MAUxx.E-W-C	MAUx EW Start/Stop			1	1	
MAUxx.EA-T	MAUx EA Temp		1			
MAUxx.EA-SPD-0	MAUx EA Speed			1	1	
MAUxx.EA-T	MAUx EA Temp		1			
MAUxx.EXH-FN-C	MAUx EF Start/Stop			1	1	
MAUxx.EXH-FN-ST5	MAUx EF Status	1				
MAUxx.EA-D-C	MAUx EAD Command			1	1	
MAUxx.EA-D-ST5	MAUx EAD Status	1				
MAUxx.OA-D-C	MAUx OAD Command			1	1	
MAUxx.OA-D-ST5	MAUx OAD Status	1				
MAUxx.OA-T	MAUx OA Temp		1			
MAUxx.OA-H	MAUx OA Humidity		1			
MAUxx.PMP-PH-C	MAUx PhtP Start/Stop			1	1	
MAUxx.PMP-PH-ST5	MAUx PhtP Status	1				
MAUxx.PH-V-C	MAUx Pht Valve			1	1	
MAUxx.PH-T	MAUx Pht Temp		1			
MAUxx.L-T-A	MAUx Low Temp Alm	1				
MAUxx.CHW-V-C	MAUx CHW Valve			1	1	
MAUxx.CC-T	MAUx CC DA Temp		1			
MAUxx.RH-V-C	MAUx Rht Valve			1	1	
MAUxx.S-FN-C	MAUx SF Start/Stop			1	1	
MAUxx.S-FN-ST5	MAUx SF Status	1				
MAUxx.SA-T	MAUx SA Temp		1			
MAUxx.SA-H	MAUx SA Humidity		1			
MAUxx.SMK-SA-ST5	MAUx SA Smk Det	1				
TOTALS		12	12	7	5	

NETWORK INTERFACE POINT LIST					
POINT	POINT DESCRIPTOR	POINT TYPE		UNITS	
		READ	WRITE		
(Variable Speed/Freq Drives)					
VSD.SP	Speed	Y		RPM	
VSD.FREQ	Output Frequency	Y		Hz	
VSD.AMPS	Current	Y		A	
VSD.TORQ	Torque	Y		% of motor	
VSD.PWR	Power	Y		kW	
VSD.DCBV	DC Bus Voltage	Y		V	
VSD.OV	Output Voltage	Y		V	
VSD.ACC	Accelerate	Y	Y	Hz per second	
VSD.DEC	Decelerate	Y	Y	Hz per second	
VSD.LOCAL	Panel Local	Y		ON/OFF	
VSD.FAULT	Fault Status	Y		Mfg Code	
VSD.DRV	Drive Status	Y		Mfg Code	
VSD.KWHR	Kilowatt Hours	Y		KWh	

LOGIC VARIABLES				
BINARY	ANALOG	DESCRIPTION	#	
RUN		ON WHEN UNIT COMMANDED TO START	5	Eng
OAGO		ON WHEN OUTSIDE AIR DAMPER ENERGIZED AND STATUS PROVEN	7	Drawn
SGO		ON WHEN SUPPLY FAN ENERGIZED AND STATUS PROVEN	2	Chkd
EAGO		ON WHEN EXHAUST AIR DAMPER ENERGIZED AND STATUS PROVEN	2	Appd
EGO		ON WHEN EXHAUST FAN ENERGIZED AND STATUS PROVEN	5	Issued
SFTY		ON WHEN Smoke Detector or Freezestat ARE ON	2	8/4/11
EW		ON WHEN ENTHALPY WHEEL COMMANDED TO START	2	Job No.
SW		ON WHEN SENSIBLE WHEEL COMMANDED TO START	2	Scale
FRZ		ON WHEN Freezestat IS ON	2	N/A
OAT		VARIABLE VALUE OF OUTSIDE AIR TEMPERATURE	3	Scale
OADP		VARIABLE VALUE OF OUTSIDE AIR DEW POINT	5	Proj Code
SAT		VARIABLE VALUE OF SUPPLY AIR TEMPERATURE	3	
SATSP		VARIABLE VALUE OF SUPPLY AIR TEMPERATURE SETPOINT	5	
PHT		VARIABLE CALCULATED VALUE OF PREHEAT VALVE POSITION	2	
SWSP		VARIABLE CALCULATED VALUE OF SENSIBLE WHEEL SPEED	2	
RHT		VARIABLE CALCULATED VALUE OF REHEAT VALVE POSITION	2	
EAT		VARIABLE VALUE OF EXHAUST AIR TEMPERATURE	2	

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UNIVERSITY OF VIRGINIA
 FACILITIES MANAGEMENT

HVAC CONTROLS STANDARDS

STANDARD

MAKE UP AIR UNIT (LOGIC)

10 OF 30 SHEET NUMBER
 C-1.3b
 DWG NUMBER