CONTROL LEGEND

	FAN		TWO WAY ELECTRONIC CONTROL VALVE	R	REFRIGERANT GAS SENSOR	NC	NORMALLY CLOSED	K	ISOLATION ROOM PRESSURE CONTROLLER KEY SWITCH
DA	FAN WITH INLET GUIDE VANES		THREE WAY ELECTRONIC CONTROL VALVE	OR	OVERRIDE SWITCH	NO	NORMALLY OPEN		OPPOSED BLADE DAMPER
	PUMP		PARALLEL BLADE DAMPER	CT	CURRENT TRANSDUCER	SCR	ELECTRIC HEAT SCR CONTROLLER		ROUND CONTROL DAMPER
DX	DX COIL	BDD	BACKDRAFT DAMPER	ASC	APPLICATION SPECIFIC CONTROLLER	FFM	FLUID FLOW METER	DA	DAMPER ACTUATOR (ELECTRONIC)
CC	COOLING COIL	C	COMMON	FS	COOLING COIL DRAIN PAN FLOAT SWITCH	PFS	PADDLE TYPE FLOW SWITCH	TSTAT	THERMOSTAT
HC	HEATING COIL	DATA	BINARY DATA LINK	FT	FIRE THERMOSTAT	DPS	DIFFERENTIAL AIR PRESSURE SWITCH	FA	FIRE ALARM CONTACTS
	HEAT EXCHANGER	DI	DIGITAL INPUT	FZ	FREEZE PROTECTION THERMOSTAT	DPT	DIFFERENTIAL PRESSURE SENSOR	AI	ANALOG INPUT
	SENSIBLE WHEEL	STEP	ELECTRIC HEAT STEP CONTROLLER	OL	THERMAL OVERLOADS-NUMBER AS REQUIRED	AF	AFMS AIR FLOW MEASURING STATION	AO	ANALOG OUTPUT
	AIR FILTER	T	DUCT MOUNTED TEMP. SENSOR	SD	SMOKE DETECTOR CONTACTS	T	PIPE MOUNTED TEMPERATURE SENSOR	EO	EMERGENCY AIR SYSTEM TURN OFF BUTTON
	MOTOR STARTER	T	SHIELDED BULB AIR TEMPERATURE SENSOR	SD	SMOKE DETECTOR	T	DUCT MOUNTED, AVERAGING TEMP. SENSOR	PICV	PRESSURE INDEPENDENT CONTROL VALVE
HOA	HAND-OFF-AUTO SWITCH	H	DUCT MOUNTED HUMIDITY SENSOR	AFMS	AIR FLOW MEASUREMENT STATION	SH	STROBE/HORN	CO2	OXYGEN MONITORING SENSOR
M	MOTOR START SOLENOID	H	SPACE HUMIDITY SENSOR	DO	DIGITAL OUTPUT	HH	DUCT MOUNTED HIGH LIMIT HUMIDISTAT	TEC	TERMINAL EQUIPMENT CONTROLLER
VFD	VARIABLE FREQUENCY DRIVE	T	SPACE TEMPERATURE SENSOR	I / O	INPUT / OUTPUT	UVC	UVC RADIATION SENSOR		

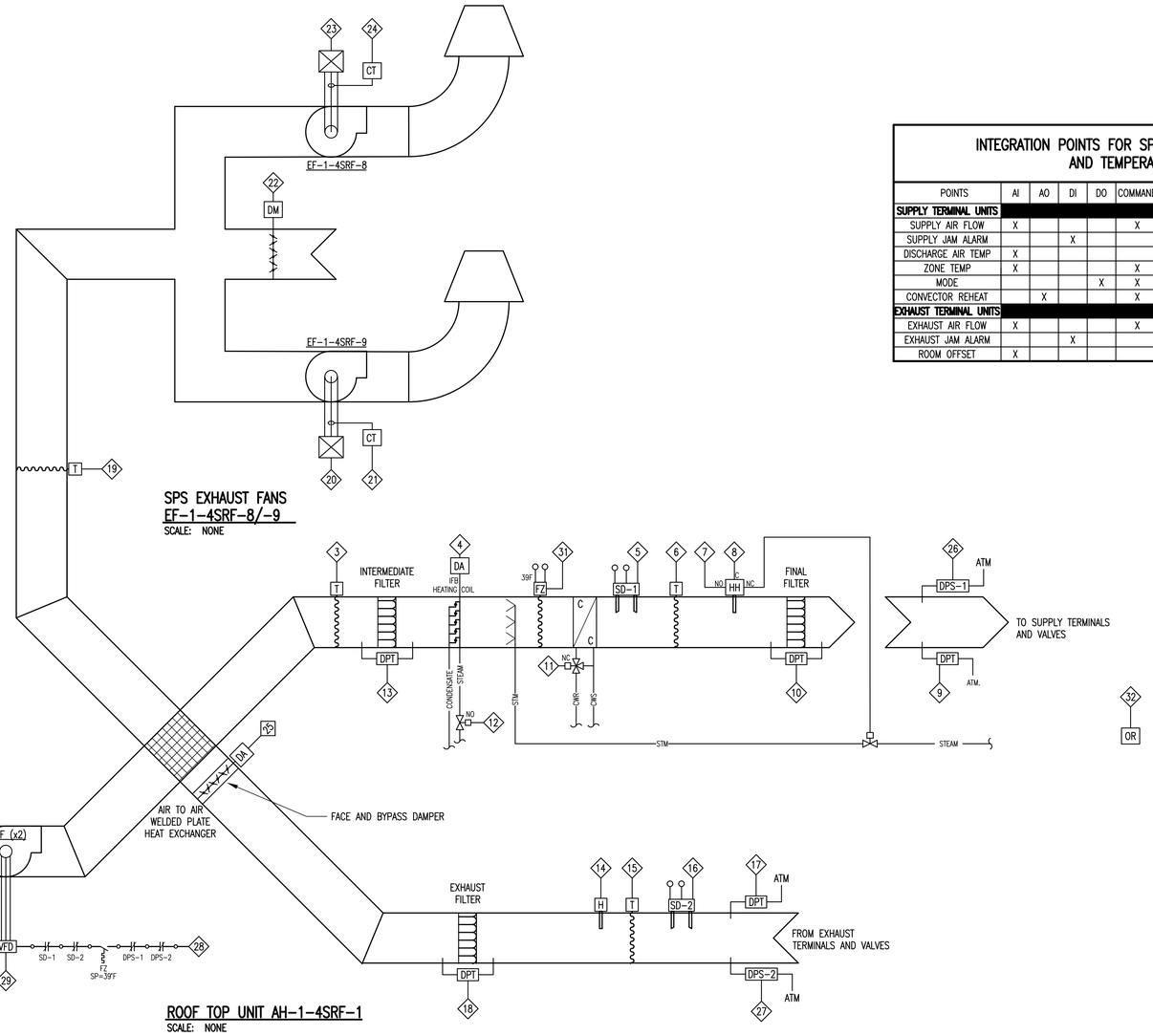
CONTROL POINTS SCHEDULE (THIS SHEET ONLY)

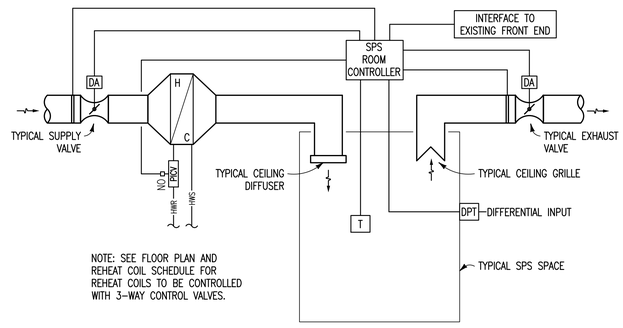
MARK ◇	TYPE	DESCRIPTION	NOTES
1	AI	AH-1-4SRF-1 OUTDOOR AIR TEMPERATURE	
2	AI	AH-1-4SRF-1 PRE-FILTER STATUS	
3	AI	AH-1-4SRF-1 HEAT EXCHANGER SUPPLY AIR LEAVING TEMPERATURE	
4	AO	AH-1-4SRF-1 IFB STEAM COIL DAMPER MODULATION	1:
5	DI	AH-1-4SRF-1 SUPPLY AIR SMOKE DETECTOR STATUS	
6	AI	AH-1-4SRF-1 SUPPLY AIR TEMPERATURE	
7	DI	AH-1-4SRF-1 HUMIDISTAT STATUS	
8	AO	AH-1-4SRF-1 HUMIDIFIER STEAM VALVE MODULATION	
9	AI	AH-1-4SRF-1 SUPPLY AIR STATIC PRESSURE	
10	AI	AH-1-4SRF-1 FINAL-FILTER STATUS	
11	AO	AH-1-4SRF-1 COOLING COIL VALVE MODULATION	
12	DO	AH-1-4SRF-1 PREHEAT COIL STEAM OPEN/CLOSE	
13	AI	AH-1-4SRF-1 INTERMEDIATE FILTER STATUS	
14	AI	AH-1-4SRF-1 DUCT MOUNTED HUMIDITY SENSOR	
15	AI	AH-1-4SRF-1 EXHAUST AIR TEMPERATURE	
16	DI	AH-1-4SRF-1 EXHAUST AIR SMOKE DETECTOR STATUS	
17	AI	AH-1-4SRF-1 EXHAUST AIR STATIC PRESSURE	
18	AI	AH-1-4SRF-1 HEAT EXCHANGER PRE-FILTERS STATUS	
19	AI	AH-1-4SRF-1 EXHAUST TEMPERATURE	
20	DO	EF-1-4SRF-9 ON/OFF	
21	AI	EF-1-4SRF-9 FAN MOTOR CURRENT	
22	AO	EXHAUST DAMPER MODULATION	
23	DO	EF-1-4SRF-8 ON/OFF	
24	AI	EF-1-4SRF-8 FAN MOTOR CURRENT	
25	DO	HEAT EXCHANGER BYPASS DAMPER OPEN/CLOSE	
26	DI	SUPPLY HIGH LIMIT PRESSURE SWITCH	
27	DI	EXHAUST LOW LIMIT PRESSURE SWITCH	
28	DO	SUPPLY FAN VFD ENABLE/DISABLE	2:
29	AO	SUPPLY FAN SPEED MODULATION	
30	DATA	SUPPLY FAN VFD DATA	3:
31	DI	AH-1-4SRF-1 FREEZE STAT STATUS	
32	DI	OCCUPANCY OVERRIDE SWITCH INPUT	4:

NOTES:
1. IFB DAMPERS NORMALLY OPEN (NO) TO HEATING.
2. TYPICAL OF ONE (1) VFD FOR TWO SUPPLY FANS THIS AHU.
3. COORDINATE AND PROVIDE INTEGRATION SO THAT ALL VFD STATUS DATA IS AVAILABLE THROUGH JCI INTERFACE.
4. SEE FLOOR PLAN FOR LOCATION.

INTEGRATION POINTS FOR SPS SPACE AIR-FLOW AND TEMPERATURE

POINTS	AI	AO	DI	DO	COMMAND	ADJUST	ALARM	NOTES
SUPPLY TERMINAL UNITS								
SUPPLY AIR FLOW	X				X	X		
SUPPLY JAM ALARM			X				X	
DISCHARGE AIR TEMP	X							
ZONE TEMP	X				X	X		
MODE				X	X			
CONVECTOR REHEAT		X			X	X		
EXHAUST TERMINAL UNITS								
EXHAUST AIR FLOW	X				X			
EXHAUST JAM ALARM			X				X	
ROOM OFFSET	X							





ROOM PRESSURE AND TEMPERATURE CONTROLS SCHEMATIC
SCALE: NONE

FINAL SUBMITTAL

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