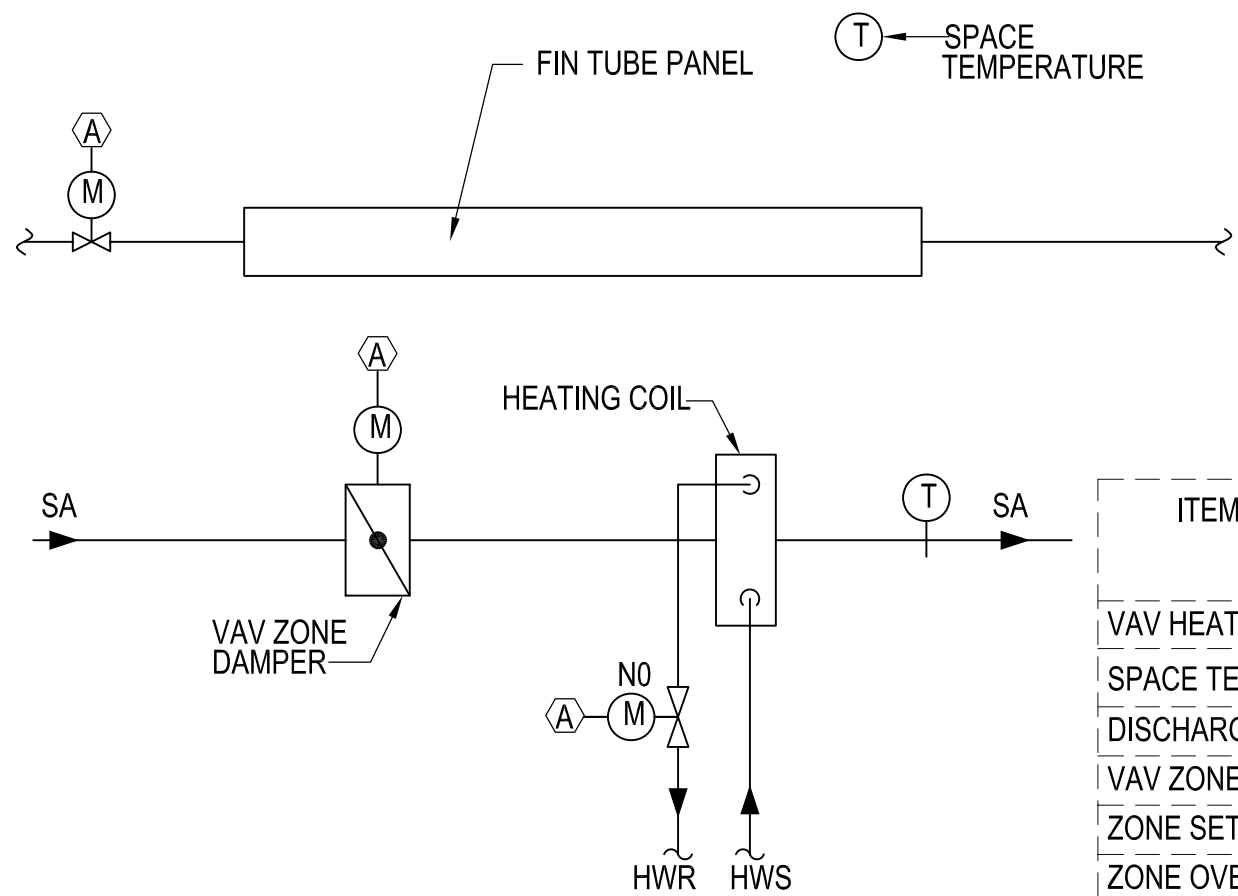


- ① SHUTOFF VALVE (TYP.)
② UNION (TYP.)
③ BALANCE VALVE (TYP.)
④ DRAIN PAN
⑤ COOLING COIL
⑥ HOSE END DRAIN VALVE WITH
THREADED END AND CAP (TYP.)
⑦ MANUAL AIR VENT
⑧ CHWS
⑨ CHWR
⑩ 2-WAY MODULATING VALVE
⑪ CONDENSATE LINE TO
PUMP, SEE 11/H-002
⑫ STRAINER
⑬ PRESSURE GAGE (TYP.)
⑭ THERMOMETER (TYP.)



NOTE:
FOR VAV TERMINAL UNITS WITHOUT FIN TUBE RADIATION AS A
PRIMARY HEATING SOURCE, DISREGARD THE FIN TUBE CONTROL VALVE POINT
(TYPICAL FOR VAV TERMINAL UNIT VAV-9, 20 AND 21 ONLY).

VAV BOX/FIN TUBE RADIATION POINTS LIST

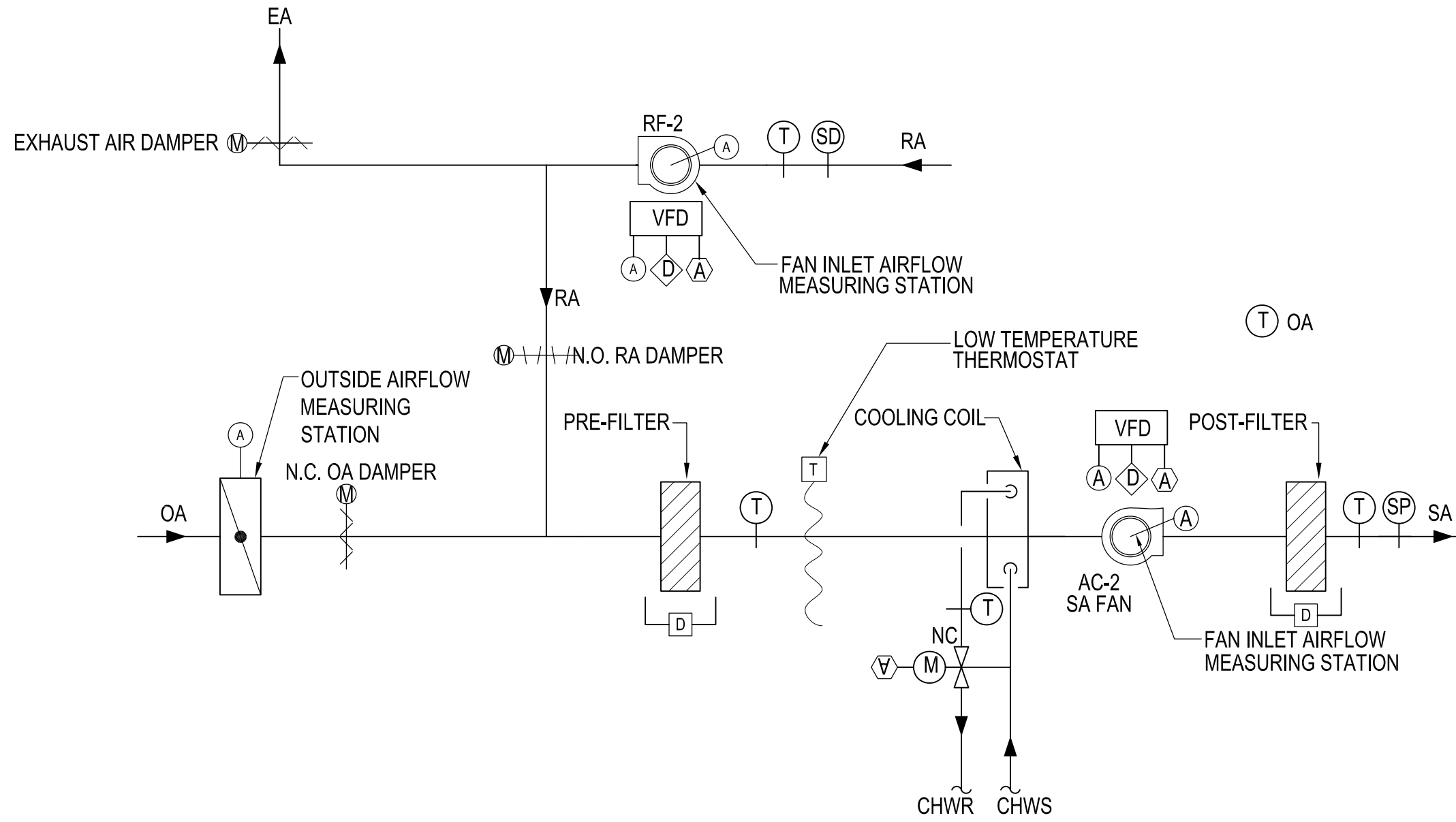
ITEM	DIGITAL		ANALOG		LOCAL INTERLOCK
	INPUT	OUTPUT	INPUT	OUTPUT	
VAV HEATING CONTROL VALVE				X	
SPACE TEMPERATURE			X		
DISCHARGE AIR TEMPERATURE			X		
VAV ZONE DAMPER				X	
ZONE SETPOINT ADJUSTMENT			X		
ZONE OVERRIDE	X				
FIN TUBE CONTROL VALVE				X	

1 AHU CHILLED WATER COIL PIPING DETAIL
H003 SCALE: N.T.S.

2 VARIABLE AIR VOLUME TERMINAL UNIT/FIN TUBE RADIATION CONTROL DIAGRAM
H003 SCALE: N.T.S.

AHU-1 POINTS LIST

ITEM	DIGITAL		ANALOG		LOCAL INTERLOCK
	INPUT	OUTPUT	INPUT	OUTPUT	
DISCHARGE AIR TEMPERATURE			X		
PRE-FILTER ALARM			X		
POST-FILTER ALARM			X		
MIXED AIR TEMPERATURE			X		
RETURN AIR TEMPERATURE			X		
EXHAUST AIR DAMPER				X	
SUPPLY FAN VFD SPEED				X	
RETURN FAN VFD SPEED				X	
RETURN AIR DAMPER				X	
OUTSIDE AIR DAMPER	X				
LOW TEMPERATURE THERMOSTAT	X				X
RETURN AIR SMOKE DETECTOR	X				X
SUPPLY FAN STATUS			X		
RELIEF FAN STATUS			X		
SUPPLY FAN START/STOP		X			
RELIEF FAN START/STOP		X			
CHILLED WATER CONTROL VALVE				X	
CHILLED WATER RETURN TEMPERATURE			X		
NETWORK OUTSIDE AIR TEMPERATURE			X		
OUTSIDE AIRFLOW MEASURING STATION			X		
SUPPLY FAN AIRFLOW			X		
RETURN FAN AIRFLOW			X		
SUPPLY AIR STATIC PRESSURE			X		



3 VARIABLE AIR VOLUME AIR HANDLING UNIT CONTROL DIAGRAM
H003 SCALE: N.T.S.

100% DESIGN SUBMISSION

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Drawing Title

HVAC DETAILS AND CONTROLS

Approved: Project Director

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Location

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Date

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Checked

JV

Drawn

JC

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Building Number

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Drawing Number

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STRATTON
VA
MEDICAL CENTER

Department of
Veterans Affairs