INPUT/OUTPUT SUMMARY FOR AIR HANDLING UNIT AH-03

SYSTEM, APPARATUS, OR AREA POINT DESCRIPTION	INPUTS – ANALOG – MEASURED							INPUTS – ANALOG – CALCULATED					INPUTS – BINARY							OUTPUTS – DIGITAL					OUTPUTS – ANALOG						SYSTEM FEATURES – ALARMS							SYSTEM FEATURES – PROGRAMS									GENERAL						SUPPLEMENTARY NOTES
	TEMPERATURE	PRESSURE	RH	KW	AIR FLOW	LEVEL	GALLONS	VIBRATIONS	KWH	ENTHALPY	RUN TIME	EFFICIENCY	WET BULB TEMP	STATUS	FILTER	SMOKE	FREEZE	AIR FLOW	METER	OFF-ON	OFF-AUTO-ON	OFF-HI-LO	OPEN-CLOSE	MULTI-STAGE	DAMPER POSITION	VALVE POSITION	SET POINT ADJUSTMENT	VANE POSITION	SCR CONTROL	HI ANALOG	LOW ANALOG	HI BINARY	LOW BINARY	PROOF			TIME SCHEDULING	DEMAND LIMITING	DUTY CYCLE	START/STOP OPTION	ENTHALPY OPTION	SMOKE CNT	TREND	ALARM INSTRUCT	MAINT WK ORD			COLOR GRAPHIC						
OUTSIDE TEMERATURE	●																													●																							
OUTSIDE RELATIVE HUMIDITY (H)			●																																																		
PREHEAT COIL, HC-11	●													●										●			●			●									●				●	●								
PREHEAT COIL, HC-12	●													●										●			●			●									●				●	●								
AIR FILTER, AF-03 (TYP 2)		●																												●														●								2 SENSORS
COOLING COIL, CC-05	●																									●				●													●	●								
COOLING COIL, CC-06	●																									●				●													●	●								
HEATING COIL, HC-09	●													●										●						●									●				●	●								
HEATING COIL, HC-10	●													●										●						●									●				●	●								
HUMIDIFIER, HU-05			●											●										●			●			●	●								●				●	●								
HUMIDIFIER, HU-06			●											●										●			●			●	●								●				●	●								
SUPPLY FAN, SF-05							●			●				●			●			●								●		●			●			●			●				●	●								
SUPPLY FAN, SF-06							●			●				●			●			●								●		●			●			●			●				●	●								
COLD AIR DECK	●	●			●																									●	●												●									
WARM AIR DECK	●	●			●																									●	●												●									
WARM AIR RELATIVE HUMIDITY			●																											●													●									
SPACE AVERAGE RELATIVE HUMIDITY			●																											●	●												●									
ROOM TEMPERATURE (TYPICAL 17 ZONES)	●																													●	●												●									
SMOKE DETECTOR (SD-02)																●																									●	●									RETURN AIR
MIXING AIR TEMP	●																																																				
MIXING AIR RELATIVE HUMIDITY			●																																																		
ROOM PRESSURIZATION (TYP 2)		●																													●																						
AIR FLOW DIAGRAM																																																	●				
FUME HOOD EXHAUST SYSTEM (TYP 2)										●				●							●																		●				●					●				
HEPA FILTER		●																												●														●									LOCATE SENSOR AT THE MOST REMOTE HEPA FILTER
RETURN & OUTSIDE AIR DAMPERS (TYP 3)																									●																			●								
FLOOR PLANS																																																	●				
VIBRATIONS FOR FANS							●																							●																						

INPUT/OUTPUT SUMMARY FOR AIR HANDLING UNIT AH-04

SYSTEM, APPARATUS, OR AREA POINT DESCRIPTION	INPUTS – ANALOG – MEASURED							INPUTS – ANALOG – CALCULATED					INPUTS – BINARY							OUTPUTS – DIGITAL					OUTPUTS – ANALOG						SYSTEM FEATURES – ALARMS							SYSTEM FEATURES – PROGRAMS									GENERAL						SUPPLEMENTARY NOTES
	TEMPERATURE	PRESSURE	RH	KW	AIR FLOW	LEVEL	GALLONS	VIBRATIONS	KWH	ENTHALPY	RUN TIME	EFFICIENCY	WET BULB TEMP	STATUS	FILTER	SMOKE	FREEZE	AIR FLOW	METER	OFF-ON	OFF-AUTO-ON	OFF-HI-LO	OPEN-CLOSE	MULTI-STAGE	DAMPER POSITION	VALVE POSITION	SET POINT ADJUSTMENT	VANE POSITION	SCR CONTROL	HI ANALOG	LOW ANALOG	HI BINARY	LOW BINARY	PROOF			TIME SCHEDULING	DEMAND LIMITING	DUTY CYCLE	START/STOP OPTION	ENTHALPY OPTION	SMOKE CNT	TREND	ALARM INSTRUCT	MAINT WK ORD			COLOR GRAPHIC						
OUTSIDE TEMERATURE	●		●							●			●																																								
OUTSIDE RELATIVE HUMIDITY (H)			●																																																		
PREHEAT COIL, HC-13	●													●										●			●			●									●				●	●								
AIR FILTER, AF-03		●																												●														●								
COOLING COIL, CC-05	●																									●				●													●	●								
HUMIDIFIER, HU-05			●											●										●			●			●	●								●				●	●								
SUPPLY FAN							●			●				●			●			●								●		●			●			●			●				●	●								
SUPPLY AIR	●	●																												●	●												●									
SUPPLY AIR RELATIVE HUMIDITY			●																											●													●									
ROOM TEMPERATURE (TYPICAL 20 ZONES)	●																													●	●												●									
SPACE AVERAGE RELATIVE HUMIDITY			●																											●	●												●									SEE PLANS FOR LOCATION
ZONE DUCT HEATERS (TYPICAL 20 ZONES)	●													●										●																			●									
EXHAUST FAN, EF-01										●				●						●													●			●			●				●	●								
EXHAUST FAN, EF-02										●				●						●													●			●			●				●	●								
SMOKE DETECTOR																●																									●										
AIR FLOW DIAGRAM																																																	●				
ECONOMIZER DAMPERS																									●														●				●								
FLOOR PLANS																																																	●				

NOTES:

1. FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES SEE SHEETS WA-H-001 AND WA-H-002.
2. FOR SEQUENCE OF OPERATION SEE SHEET WA-H-141.

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REFERENCES	
DRAWING NO.	DESCRIPTION

REVISIONS						
NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

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LASER INTERFEROMETER
GRAVITATIONAL-WAVE OBSERVATORY
SITE NO. 1 - HANFORD, WASHINGTON

TITLE	SCALE	CONTRACT NUMBER	PROJECT NUMBER
HVAC CORNER STATION SEQUENCES OF OPERATION & I/O SUMMARY SHEET 2	NONE	PP150969	8094
	SHEET NUMBER: WA-H-142		REVISIONS: 0

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