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.

REFERENCES	
DRAWING NO.	DESCRIPTION

REVISIONS						
NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION		
DRAWN	CLP	6-24-96
CHECKED	TMR	7/3/96
ENGINEER	KA	7/3/96
PROJ	MLCW	7/8/96

EXPIRES 10-8-96

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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

TITLE: HVAC CORNER STATION SEQUENCES OF OPERATION & I/O SUMMARY SHEET 2

SCALE: NONE | CONTRACT NUMBER: PP150969 | PROJECT NUMBER: 8094

SHEET NUMBER: WA-H-142 | REVISION: 0

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