

1	<p>FIELD-MOUNTED DEVICE</p> <p>UPPER FIELD OF UNIQUE IDENTIFIER FOR DEVICE</p> <p>LOWER FIELD OF UNIQUE IDENTIFIER FOR DEVICE</p>	2	<p>AIR-FLOW MEASURING STATION AND TRANSMITTER</p>	3	<p>HVAC EQUIPMENT IDENTIFIER</p>	4	<p>VALVE, 3-WAY MIXING</p>	5	<p>GENERAL NOTES</p> <ol style="list-style-type: none"> 1. NETWORK ROUTING AND LOOPS CONFIGURATION TO TIE IN HVAC EQUIPMENT MAY BE MODIFIED BY CONTRACTOR. DRAWINGS OF PROPOSED ROUTING MUST BE PROVIDED TO CONTRACTING OFFICER AND APPROVED PRIOR TO START OF CONSTRUCTION. 2. CONTROLS CONTRACTOR SHALL PROVIDE DDC INTERFACE FOR CHILLER AND BOILERS, ALL WIRING, BUILDING CONTROLLER PROGRAMMING, SERVER PROGRAMMING AND GRAPHICS MODIFICATION TO DISPLAY ALL INFORMATION AVAILABLE FROM EQUIPMENT. 3. DDC SYSTEM SHALL BE A JOHNSON CONTROLS INCORPORATED METASYS WEB BASED SYSTEM. CONTROLS CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, LABOR AND PROGRAMMING FOR A COMPLETE OPERATIONAL SYSTEM. 4. UNITARY CONTROLLER AND ASSOCIATED BOXES SHALL NOT BE PLACED UNTIL LOCATIONS HAVE BEEN APPROVED IN WRITING BY THE CONTRACTING OFFICER AND FT. BRAGG SCHOOLS FACILITIES FOR A COMPLETE OPERATIONAL SYSTEM. 5. UNITARY CONTROLLER AND ASSOCIATED BOXES SHALL NOT BE PLACED UNTIL LOCATIONS HAVE BEEN APPROVED IN WRITING BY THE CONTRACTING OFFICER AND FT. BRAGG SCHOOLS FACILITIES MANAGER.
2	<p>RELAY COIL</p>	3	<p>BOILER</p>	4	<p>VALVE, 3-WAY DIVERTING</p>	5	<p>KEYED NOTES</p> <ol style="list-style-type: none"> 1 PROVIDE SEPARATE PORTS ON NAE-1 CONTROLLER FOR ALL LOWER LEVEL LANS, EXISTING CAN AND LAP TOP COMPUTER. PROVIDE ALL EQUIPMENT NECESSARY FOR A COMPLETE OPERATIONAL SYSTEM. 2 UPGRADE EXISTING WORKSTATION AT FACILITIES MANAGER'S OFFICE TO INCLUDE ALL DATA AND CONTROL INCLUDED IN THIS PROJECT. 		
3	<p>RELAY-COIL OR DEVICE OPERATING CIRCUIT</p>	4	<p>CHILLER</p>	5	<p>VALVE, NORMALLY CLOSED</p>	6		<p>LEGEND & SCHEMATIC</p> <p>ALBERTTON JUNIOR HIGH SCHOOL ADDITION FT BRAGG NORTH CAROLINA</p> <p>U. S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS SAVANNAH DISTRICT</p> <p>LSP ASSOCIATES LTD. 205 1/2 KING STREET CHARLESTON, SC 29401</p> <p>PLATE REFERENCE NUMBER M1601 SHEET 80</p>	
4	<p>PANEL-DEVICE CONTACT</p>	5	<p>CHILLER</p>	6	<p>VALVE, NORMALLY OPEN</p>	7	<p>DDC SYSTEM NETWORK DIAGRAM SCALE: NONE</p>		
5	<p>FIELD-DEVICE CONTACT</p>	6	<p>COIL, COOLING</p>	7	<p>DAMPER, PARALLEL-BLADE WITHOUT SEALS</p>	8		<p>DESIGN & CONSTRUCTION</p> <p>DATE: 25 JAN 2010 DESIGNED BY: REL DWN BY: REL CHK BY: TAM SOLICITATION NO.: W912N-09-R-0018 CONTRACT NO.: SUBMITTED BY: FILE NAME: BRM401 SIZE: 34x22 PLOT SCALE: 1:1 PLOT DATE:</p>	
6	<p>RELAY CONTACT</p>	7	<p>COIL, HEATING</p>	8	<p>DAMPER, PARALLEL-BLADE WITH SEALS</p>	9	<p>DESCRIPTION</p>		
7	<p>MAINTAINED-CONTACT INTERLOCKED SWITCHES</p>	8	<p>COIL, OUTSIDE-AIR PREHEAT</p>	9	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	10		<p>SYMBOL</p>	
8	<p>MOMENTARY SWITCH</p>	9	<p>EXHAUST FAN</p>	10	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	11	<p>DATE</p>		
9	<p>MAGNETIC-STARTER LOCAL CONTROL SWITCH</p>	10	<p>FILTER</p>	11	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	12		<p>SYMBOL</p>	
10	<p>HUMIDITY-SWITCH CONTACT (MAKES ON HUMIDITY INCREASE)</p>	11	<p>PUMP</p>	12	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	13	<p>DATE</p>		
11	<p>HUMIDITY-SWITCH CONTACT (BREAKS ON HUMIDITY INCREASE)</p>	12	<p>SUPPLY FAN</p>	13	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	14		<p>DATE</p>	
12	<p>PRESSURE-SWITCH CONTACT (MAKES ON PRESSURE INCREASE)</p>	13	<p>APPLICATION DATA SERVER</p>	14	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	15	<p>DATE</p>		
13	<p>PRESSURE-SWITCH CONTACT (BREAKS ON PRESSURE INCREASE)</p>	14	<p>LAPTOP COMPUTER W/PORT</p>	15	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	16		<p>DATE</p>	
14	<p>TEMPERATURE-SWITCH, CONTACT (MAKES ON TEMPERATURE RISE)</p>	15	<p>EXISTING ETHERNET CAN</p>	16	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	17	<p>DATE</p>		
15	<p>TEMPERATURE-SWITCH, CONTACT (MAKES ON TEMPERATURE RISE)</p>	16	<p>N2 BUS</p>	17	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	18		<p>DATE</p>	
16	<p>TEMPERATURE-SWITCH, CONTACT (MAKES ON TEMPERATURE FALL)</p>	17	<p>NAE-1 CONTROLLER</p>	18	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	19	<p>DATE</p>		
17	<p>TEMPERATURE-SWITCH, CONTACT (MAKES ON TEMPERATURE FALL)</p>	18	<p>LAPTOP COMPUTER W/PORT</p>	19	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	20		<p>DATE</p>	
18	<p>MAGNETIC-STARTER CIRCUIT BREAKER</p>	19	<p>HVAC 119</p>	20	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	21	<p>DATE</p>		
19	<p>MAGNETIC-STARTER CONTROL-CIRCUIT FUSE</p>	20	<p>HVAV 118</p>	21	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	22		<p>DATE</p>	
20	<p>MOTOR</p>	21	<p>HVAV 123</p>	22	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	23	<p>DATE</p>		
21	<p>MAGNETIC-STARTER HOLDING COIL</p>	22	<p>HVAV 124</p>	23	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	24		<p>DATE</p>	
22	<p>MAGNETIC-STARTER CONTROL-CIRCUIT TRANSFORMER</p>	23	<p>HVAV 123</p>	24	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	25	<p>DATE</p>		
23	<p>MAGNETIC-STARTER OVERLOADS</p>	24	<p>HVAV 124</p>	25	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	26		<p>DATE</p>	
24	<p>MAGNETIC-STARTER POWER CONTACT</p>	25	<p>HVAV 110</p>	26	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	27	<p>DATE</p>		
25	<p>CURRENT SENSING RELAY</p>	26	<p>HVAV 110</p>	27	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	28		<p>DATE</p>	
26	<p>AUXILIARY ACTUATOR DRIVE</p>	27	<p>MECH 104</p>	28	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	29	<p>DATE</p>		
27	<p>THERMOWELL</p>	28	<p>MECH 104</p>	29	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	30		<p>DATE</p>	
28	<p>ELECTRIC LINES (LADDER DIAGRAMS AND SCHEMATICS)</p>	29	<p>SF-1</p>	30	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	31	<p>DATE</p>		
29	<p>ELECTRONIC SIGNALS (SCHEMATICS)</p>	30	<p>DX-1 CHILLER</p>	31	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	32		<p>DATE</p>	
30	<p>THERMOWELL</p>	31	<p>DX-1 CHILLED WATER PUMPS</p>	32	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	33	<p>DATE</p>		
31	<p>THERMOWELL</p>	32	<p>DX-1 BOILERS AND PUMPS</p>	33	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	34		<p>DATE</p>	
32	<p>THERMOWELL</p>	33	<p>DX-1 BOILERS AND PUMPS</p>	34	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	35	<p>DATE</p>		
33	<p>THERMOWELL</p>	34	<p>DX-1 BOILERS AND PUMPS</p>	35	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	36		<p>DATE</p>	
34	<p>THERMOWELL</p>	35	<p>DX-1 BOILERS AND PUMPS</p>	36	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	37	<p>DATE</p>		
35	<p>THERMOWELL</p>	36	<p>DX-1 BOILERS AND PUMPS</p>	37	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	38		<p>DATE</p>	
36	<p>THERMOWELL</p>	37	<p>DX-1 BOILERS AND PUMPS</p>	38	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	39	<p>DATE</p>		
37	<p>THERMOWELL</p>	38	<p>DX-1 BOILERS AND PUMPS</p>	39	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	40		<p>DATE</p>	
38	<p>THERMOWELL</p>	39	<p>DX-1 BOILERS AND PUMPS</p>	40	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	41	<p>DATE</p>		
39	<p>THERMOWELL</p>	40	<p>DX-1 BOILERS AND PUMPS</p>	41	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	42		<p>DATE</p>	
40	<p>THERMOWELL</p>	41	<p>DX-1 BOILERS AND PUMPS</p>	42	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	43	<p>DATE</p>		
41	<p>THERMOWELL</p>	42	<p>DX-1 BOILERS AND PUMPS</p>	43	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	44		<p>DATE</p>	
42	<p>THERMOWELL</p>	43	<p>DX-1 BOILERS AND PUMPS</p>	44	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	45	<p>DATE</p>		
43	<p>THERMOWELL</p>	44	<p>DX-1 BOILERS AND PUMPS</p>	45	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	46		<p>DATE</p>	
44	<p>THERMOWELL</p>	45	<p>DX-1 BOILERS AND PUMPS</p>	46	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	47	<p>DATE</p>		
45	<p>THERMOWELL</p>	46	<p>DX-1 BOILERS AND PUMPS</p>	47	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	48		<p>DATE</p>	
46	<p>THERMOWELL</p>	47	<p>DX-1 BOILERS AND PUMPS</p>	48	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	49	<p>DATE</p>		
47	<p>THERMOWELL</p>	48	<p>DX-1 BOILERS AND PUMPS</p>	49	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	50		<p>DATE</p>	
48	<p>THERMOWELL</p>	49	<p>DX-1 BOILERS AND PUMPS</p>	50	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	51	<p>DATE</p>		
49	<p>THERMOWELL</p>	50	<p>DX-1 BOILERS AND PUMPS</p>	51	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	52		<p>DATE</p>	
50	<p>THERMOWELL</p>	51	<p>DX-1 BOILERS AND PUMPS</p>	52	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	53	<p>DATE</p>		
51	<p>THERMOWELL</p>	52	<p>DX-1 BOILERS AND PUMPS</p>	53	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	54		<p>DATE</p>	
52	<p>THERMOWELL</p>	53	<p>DX-1 BOILERS AND PUMPS</p>	54	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	55	<p>DATE</p>		
53	<p>THERMOWELL</p>	54	<p>DX-1 BOILERS AND PUMPS</p>	55	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	56		<p>DATE</p>	
54	<p>THERMOWELL</p>	55	<p>DX-1 BOILERS AND PUMPS</p>	56	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	57	<p>DATE</p>		
55	<p>THERMOWELL</p>	56	<p>DX-1 BOILERS AND PUMPS</p>	57	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	58		<p>DATE</p>	
56	<p>THERMOWELL</p>	57	<p>DX-1 BOILERS AND PUMPS</p>	58	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	59	<p>DATE</p>		
57	<p>THERMOWELL</p>	58	<p>DX-1 BOILERS AND PUMPS</p>	59	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	60		<p>DATE</p>	
58	<p>THERMOWELL</p>	59	<p>DX-1 BOILERS AND PUMPS</p>	60	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	61	<p>DATE</p>		
59	<p>THERMOWELL</p>	60	<p>DX-1 BOILERS AND PUMPS</p>	61	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	62		<p>DATE</p>	
60	<p>THERMOWELL</p>	61	<p>DX-1 BOILERS AND PUMPS</p>	62	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	63	<p>DATE</p>		
61	<p>THERMOWELL</p>	62	<p>DX-1 BOILERS AND PUMPS</p>	63	<p>VALVE OR DAMPER ACTUATOR, ELECTRIC OR ELECTRONIC</p>	64		<p>DATE</p> </	