

FEC CONTROLLER - FIELD CHECKOUT						FILE NAME:		
JOB NAME: James Liley Elementary School		NAE #		REF DWG				
CONTRACT NO: 9N30-0131		TRUNK:		No.				
LOCATION: Boiler Room		FC- ADDR: 5		BacNet Address		5005		
CHECKOUT INFORMATION:								
HDW POINT	SYS/OBJ NAME	INTERM. DEVICE TYPE	CHK	FIELD DEVICE TYPE	CHK	LOOP CHECK	SET POINT	
							PROP BAND	
							REMARKS	
UI IN-1	Outside Air Temp							Note 4 & 9
UI IN-2	Primary Hot Water Supply Temp.			TE-631AM-2	X			Note 1 & 10
UI IN-3	Primary Hot Water Return Temp.			TE-631AM-2	X			Note 2 & 11
UI IN-4	Hot Water Differential Pressure							Note 6 & 7 & 18
UI IN-5	Primary Hot Water Pump 1 Status							Note 6 & 12
UI IN-6	Primary Hot Water Pump 2 Status							Note 7 & 13
BI IN-7	Boiler 1 Status							Note 3 & 15
BI IN-8								
BO OUT-1	Boiler 1 Enable	Rib Relay	X					Note 3 & 15
BO OUT-2	Boiler 2 Enable							Note 5 & 16
BO OUT-3								
CO OUT-4	Hot Water Pump 1 Command							Note 6 & 12
CO OUT-5	Hot Water Pump 2 Command							Note 7 & 13
CO OUT-6								
CO OUT-7	Boiler 2 Set Point Output							Note 8 & 17
AO OUT-8	Hot Water Pump 1 Output							Note 6 & 14
AO OUT-9	Hot Water Pump 2 Output							Note 7 & 15
() SYSTEM COMPLETELY FUNCTIONING ON:						(DATE)		
() POINTS SOFTWARE MAPPED ON:						(DATE)		
TIME SPENT COMMISSIONING SYSTEM:								
NOTES:								
1 Open wire at device to test. Read ??? In CCT. Put wire back together. Read 142Degs in CCT. HJMcC - 1/6/20								
2 Open wire at device to test. Read ??? In CCT. Put wire back together. Read 138Degs in CCT. HJMcC - 1/6/20								
3 Override command ON. Saw Rib Relay light go ON. Rib Relay Hand/Off/Auto is OFF. Also the main gas valve is turned OFF. This will need to be looked into later. HJMcC - 1/6/20								
4 Was reading 45.8Degs. Checked phone weather 44Degs. HJMcC - 1/6/20								
5 Override command ON. Saw Rib Relay light go ON. Heard boiler startup. HJMcC - MG - 1/6/20								
6 Override command ON. Rib Relay light went ON. Pump started. Read ON for status in CCT. Override output to 50% Read 2.3PSI for the DP. Override output to 100%. Read 9.2 PSI for theDP in CCT. Released overrides. HJMcC - MG - 1/6/20								
7 Override command ON. Rib Relay light went ON. Pump started. Read ON for status in CCT. Override output to 50% Read 2.1PSI for the DP. Override output to 100%. Read 9 PSI for theDP in CCT. Released overrides. HJMcC - MG - 1/6/20								
8 Output was reading 134 degs. Read display on boiler 133 degs . Override output to 150degs Read 149Degs on the display. HJMcC - MG - 1/6/20								
9 Was reading 59 Degs. Checked phone weather 57 Degs. HJMcC - 3/10/20								
10 Read 132degs in CCT- HJMcC - 3/10/20								
11 Read 130degs in CCT- HJMcC - 3/10/20								
12 Retested. Add a new program.Override Command ON. Saw Rib Relay light go ON. Read ON for Status in CCT. Released Override. Saw Rib Relay light go out. Read OFF for Status in CCT. HJMcC - MG - 3/10/20								
13 Retested. Add a new program.Override Command ON. Saw Rib Relay light go ON. Read ON for Status in CCT. Released Override. Saw Rib Relay light go out. Read OFF for Status in CCT. HJMcC - MG - 3/10/20								
14 With pump command ON. Status ON. Read 85GPM on the display of the pumps VFD. Override the output to 50%. Read 135GPM on the VFD for that Pump. HJMcC - 3/10/20 With pump command ON. Status ON. Read 82GPM on the display of the pumps VFD. Override the output to 50%. Read 125GPM on the VFD for that Pump. HJMcC - 3/10/20								
15 Added new program. Override supply temp. to 50degs. Changed timer to 5mins. Had Boiler-2 hand/Off/Auto switch OFF. Waited 5mins. Boiler-1 command went ON. The boiler did not start. Found not power in control box. Checked breaker. Was turned OFF. Did not turn it ON. Will need to find out why it was OFF. HJMcC - 3/10/20								
16 After adding the new program. Tried to get Boiler-1 to start. (Which it didn't. See above Note). Put Boiler-2 H/O/A switch to Auto. Boiler started. HJMcC - 3/10/20								
17 Set point was reading 150 degs. Read display on boiler 147 degs . Override output to 155degs Read 154Degs on the display. HJMcC - MG - 3/10/20								
18 With Pump-1 ON. Status read ON in CCT. Pump output was at 55%. Read 3PSI in CCT. HJMcC - 3/10/20								
SIGNATURES:						DATE:		

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CONTRACT NO:				TRUNK:		No.			
LOCATION: 9N30-0131 Boiler Room				SA- ADDR: 4					
CHECKOUT INFORMATION:									
HDW POINT	SYS/OBJ NAME	INTERM. DEVICE TYPE	CHK	FIELD DEVICE TYPE	CHK	LOOP CHECK	SET POINT	PROP BAND	REMARKS
UI IN-1	Zone 1 Hot Water Supply Temp			TE-631AM-2	X				Note 1 & 11
UI IN-2	Zone 2 Hot Water Supply Temp			TE-631AM-2	X				Note 2 & 12
UI IN-3									
UI IN-4									
UI IN-5	Zone 1 Hot Water Pump 3 Status			CSD-CFOAO-1	X				Note 3 & 7
UI IN-6	Zone 1 Hot Water Pump 4 Status			CSD-CFOAO-1	X				Note 4 & 8
BI IN-7	Zone 2 Hot Water Pump 5 Status			CSD-CFOAO-1	X				Note 5 & 9
BI IN-8	Zone 2 Hot Water Pump 6 Status			CSD-CFOAO-1	X				Note 6 & 10
BO OUT-1	Hot Water Pump 3 Command	Rib Relay	X						Note 3 & 7
BO OUT-2	Hot Water Pump 4 Command	Rib Relay	X						Note 4 & 8
BO OUT-3	Hot Water Pump 5 Command	Rib Relay	X						Note 5 & 9
CO OUT-4	Hot Water Pump 6 Command	Rib Relay	X						Note 6 & 10
CO OUT-5									
CO OUT-6									
CO OUT-7									
AO OUT-8									
AO OUT-9									
() SYSTEM COMPLETELY FUNCTIONING ON:							(DATE)		
() POINTS SOFTWARE MAPPED ON:							(DATE)		
TIME SPENT COMMISSIONING SYSTEM:									
NOTES:									
1 Open wire at device to test. Read ??? In CCT. Put wire back together. Read 141Degs in CCT. HJMcC - 1/6/20									
2 Open wire at device to test. Read ??? In CCT. Put wire back together. Read 140Degs in CCT. HJMcC - 1/6/20									
3 Override Command ON. Saw Rib Relay light go ON. Read ON for Status in CCT. Released Override.									
Saw Rib Relay light go out. Read OFF for Status in CCT. HJMcC - MG - 1/6/20									
4 Override Command ON. Saw Rib Relay light go ON. Read ON for Status in CCT. Released Override.									
Saw Rib Relay light go out. Read OFF for Status in CCT. HJMcC - MG - 1/6/20									
5 Override Command ON. Saw Rib Relay light go ON. Released the override. Saw the Rib Relay light go out									
There is a Lock-Out-Tag-Out on the disconnect. Will need to come back to this. HJMcC - MG - 1/6/20									
6 Override Command ON. Saw Rib Relay light go ON. Read ON for Status in CCT. Released Override.									
Saw Rib Relay light go out. Read OFF for Status in CCT. HJMcC - MG - 1/6/20									
7 Retested. Add a new program.Override Command ON. Saw Rib Relay light go ON. Read ON for Status in CCT. Released Override.									
Saw Rib Relay light go out. Read OFF for Status in CCT. HJMcC - MG - 3/10/20									
8 Retested. Add a new program.Override Command ON. Saw Rib Relay light go ON. Read ON for Status in CCT. Released Override.									
Saw Rib Relay light go out. Read OFF for Status in CCT. HJMcC - MG - 3/10/20									
9 Still the Same as before.Override Command ON. Saw Rib Relay light go ON. Released the override. Saw the Rib Relay light go out									
There is a Lock-Out-Tag-Out on the disconnect. Will need to come back to this. HJMcC - MG - 3/10/20									
10 Retested. Add a new program.Override Command ON. Saw Rib Relay light go ON. Read ON for Status in CCT. Released Override.									
Saw Rib Relay light go out. Read OFF for Status in CCT. HJMcC - MG - 3/10/20									
11 Reading 131deg in CCT. HJMcC - 3/10/20									
12 Reading 131deg in CCT. HJMcC - 3/10/20									
SIGNATURES:							DATE:		

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