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**ORLANDO**  
 REFRIGERATION & AIR CONDITIONING

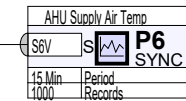
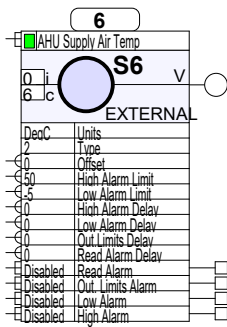
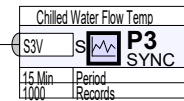
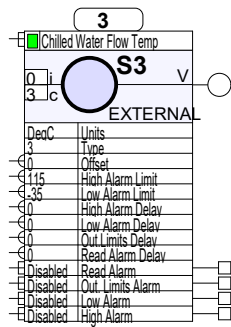
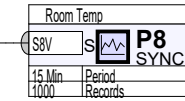
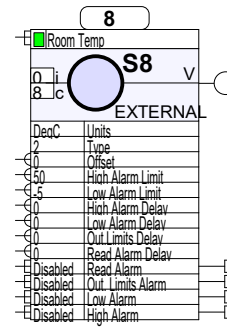
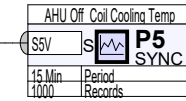
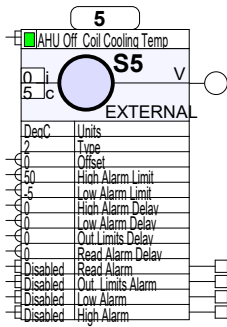
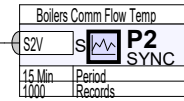
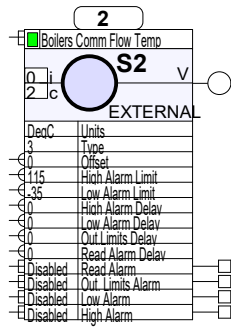
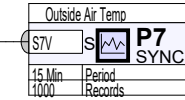
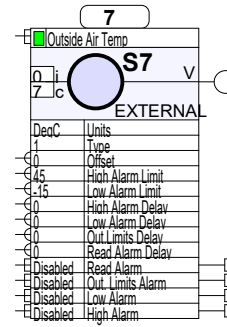
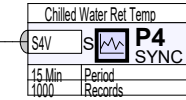
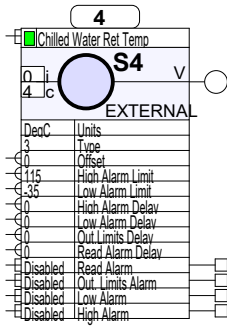
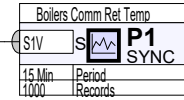
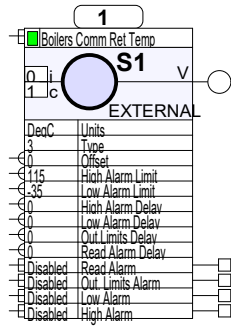
Address Module	
Identifier	[REDACTED]
Attribute 2	
Attribute 3	
Attribute 4	
Attribute 5	
Attribute 6	
Attribute 7	
Local Lan / Address	1 / 12
Supervisor Port	0
IP Address	11.0.1.12
Subnet Mask	255.255.0.0
UDP Port	57612
Default Gateway	0.0.0.0
MAC Address	00:10:70:00:53:6C
Version	IQ3xcite96 Iss2.00 Apr 23 2008

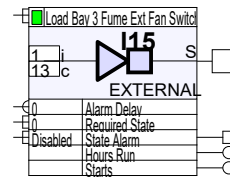
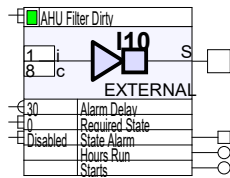
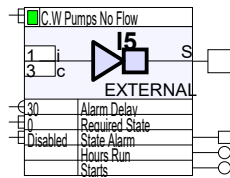
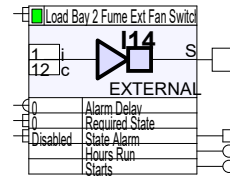
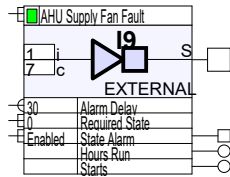
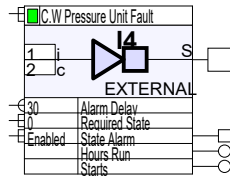
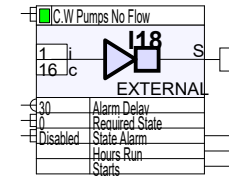
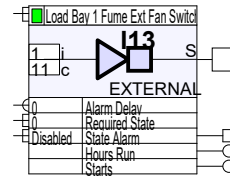
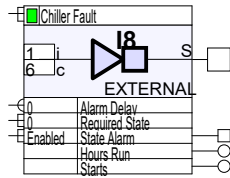
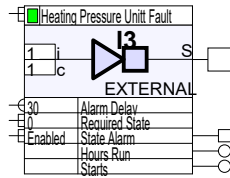
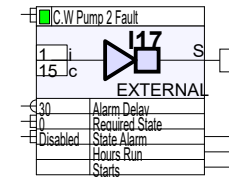
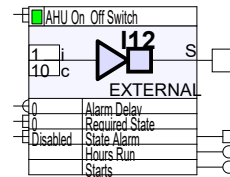
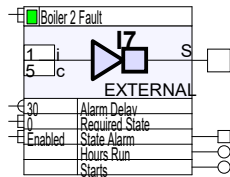
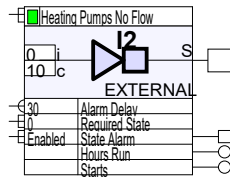
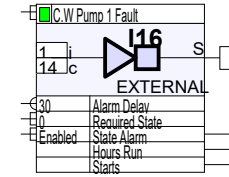
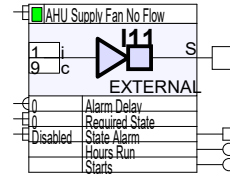
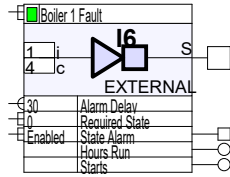
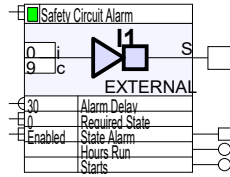
I/O Modules		
1	xcite/IO/16DI	xcite/IO/16DI
2	xcite/IO/8AO	xcite/IO/8AO
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E		
F		

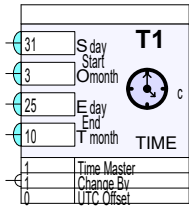
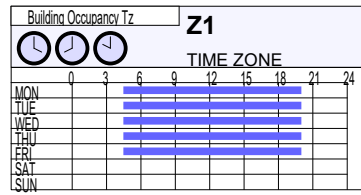
Issue	Revision	Project Change Note / Comments	Pages Affected	Date Approved	Approved By
0	1	As downloaded from site	All	10/01/2022	Steve O
1	0	Internal Sensors and notes added	All	17/01/2022	Steve O

Notes

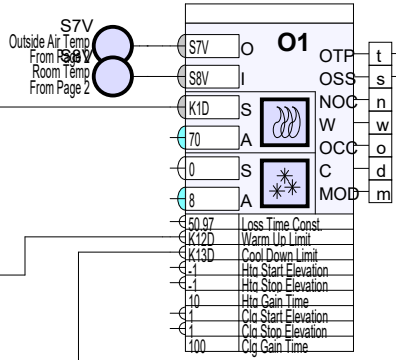
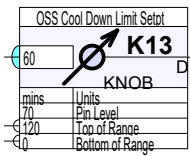
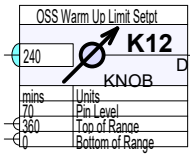
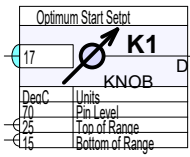
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Project:	[REDACTED]
Client:	[REDACTED]
Details:	
Drawn By:	Steve Orlando
Engineer:	
Controller Type:	IQ 3xcite/96
Project Number: 1	Date: 23/12/2021
Outstation: 012	Lan: 001
	Page: 01 of 13







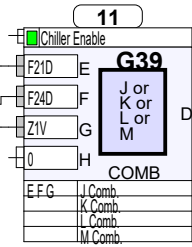
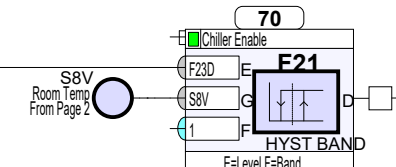
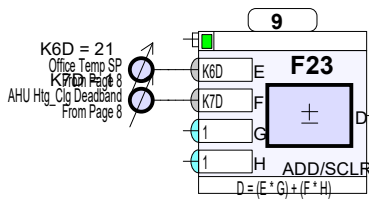
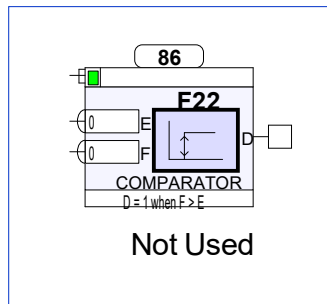
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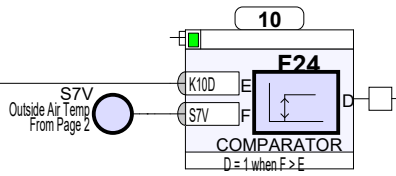
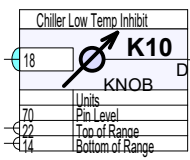
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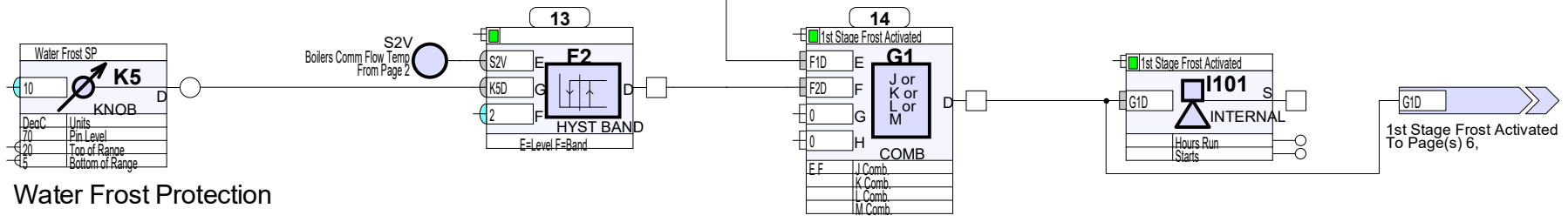
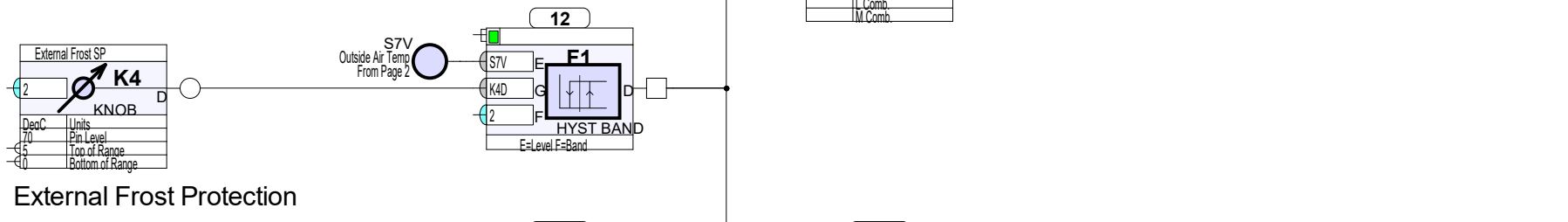
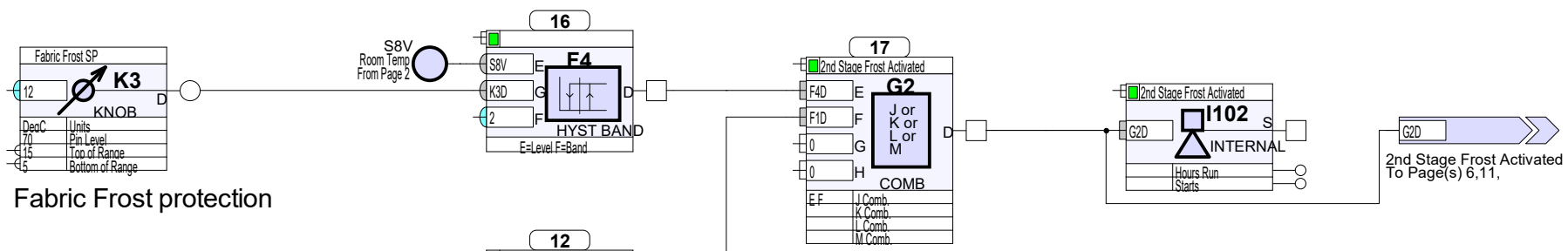


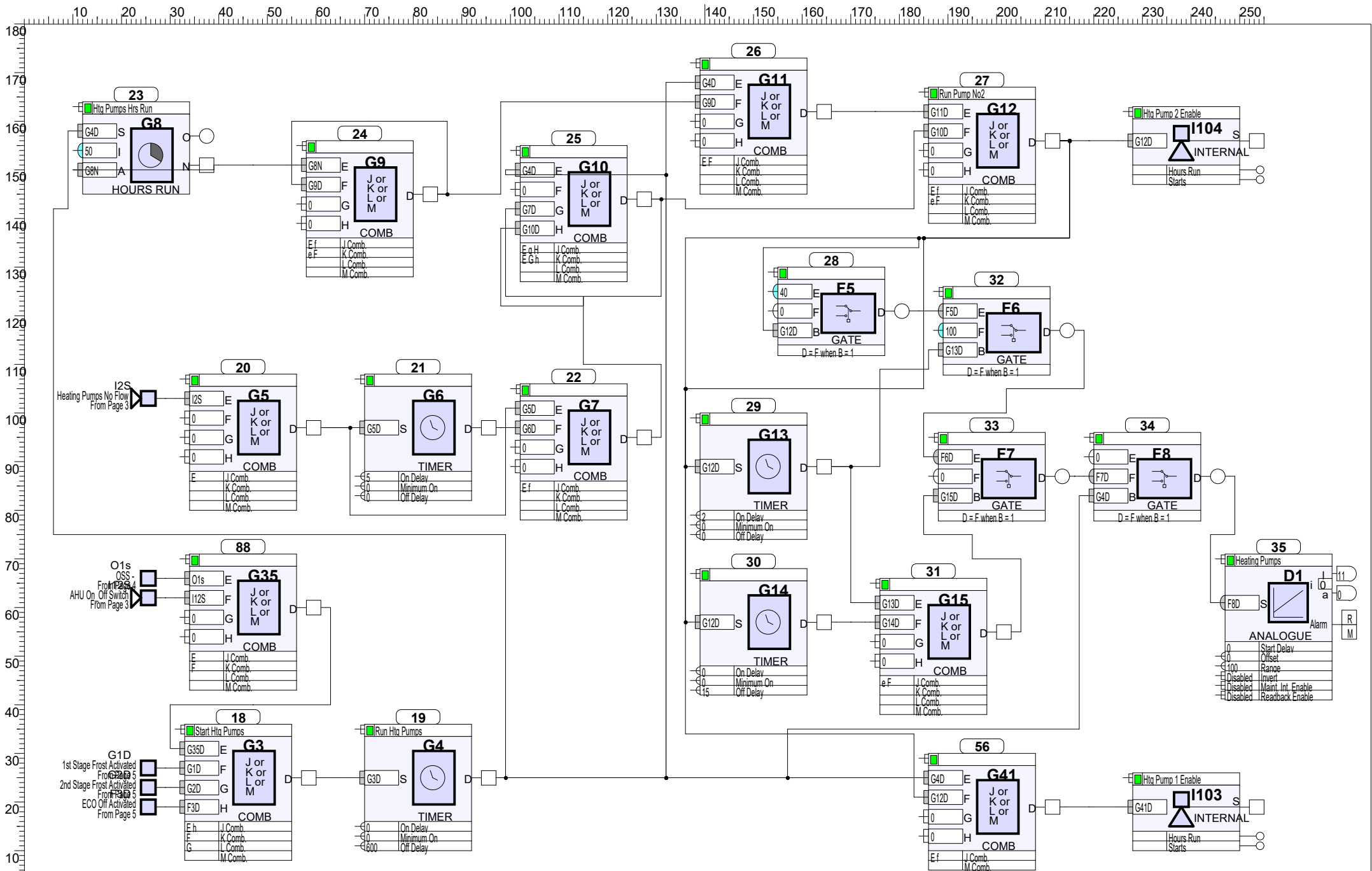
OSS - To Page(s) 6,11,13,

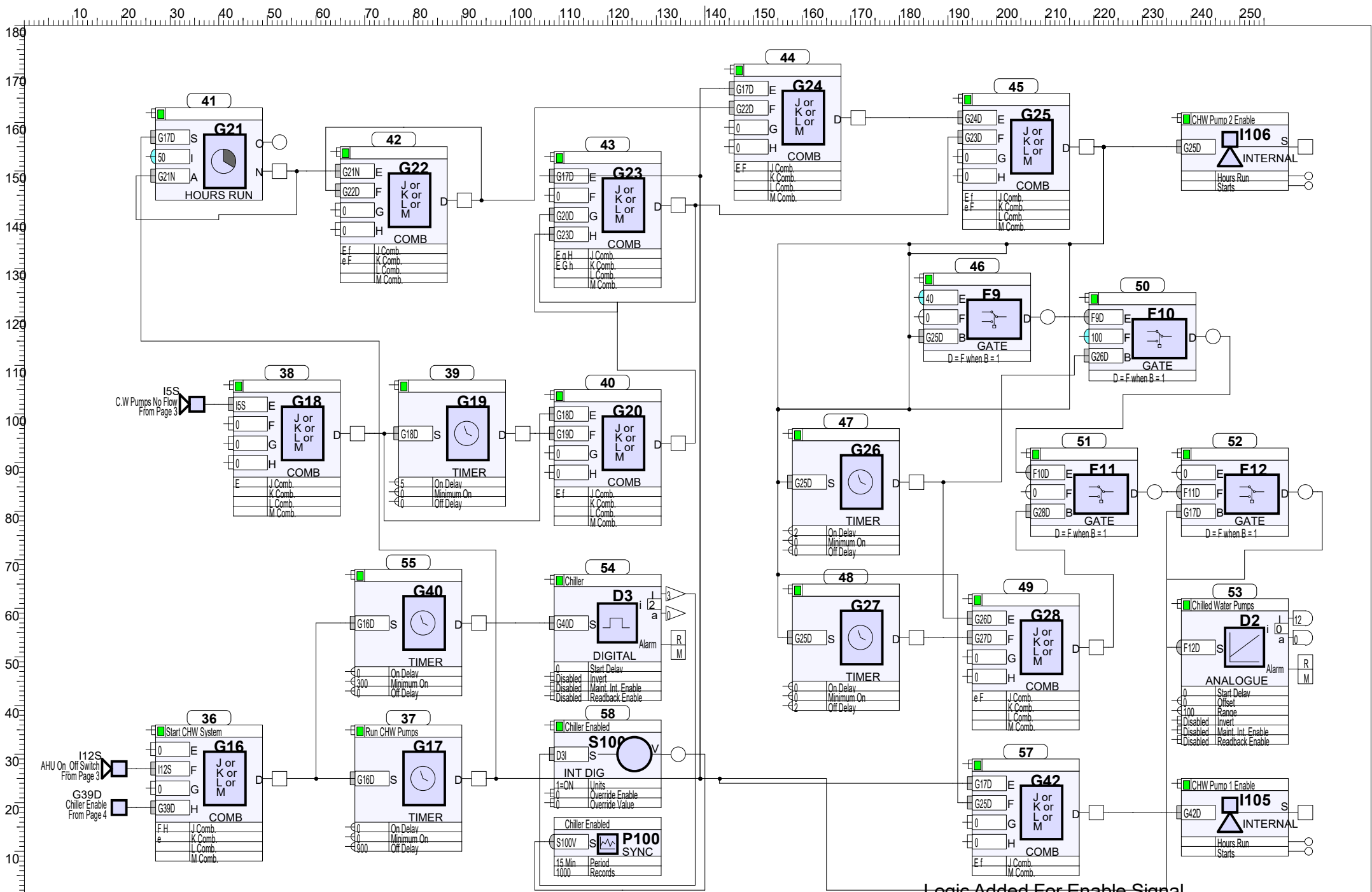


Chiller Enable To Page(s) 7,

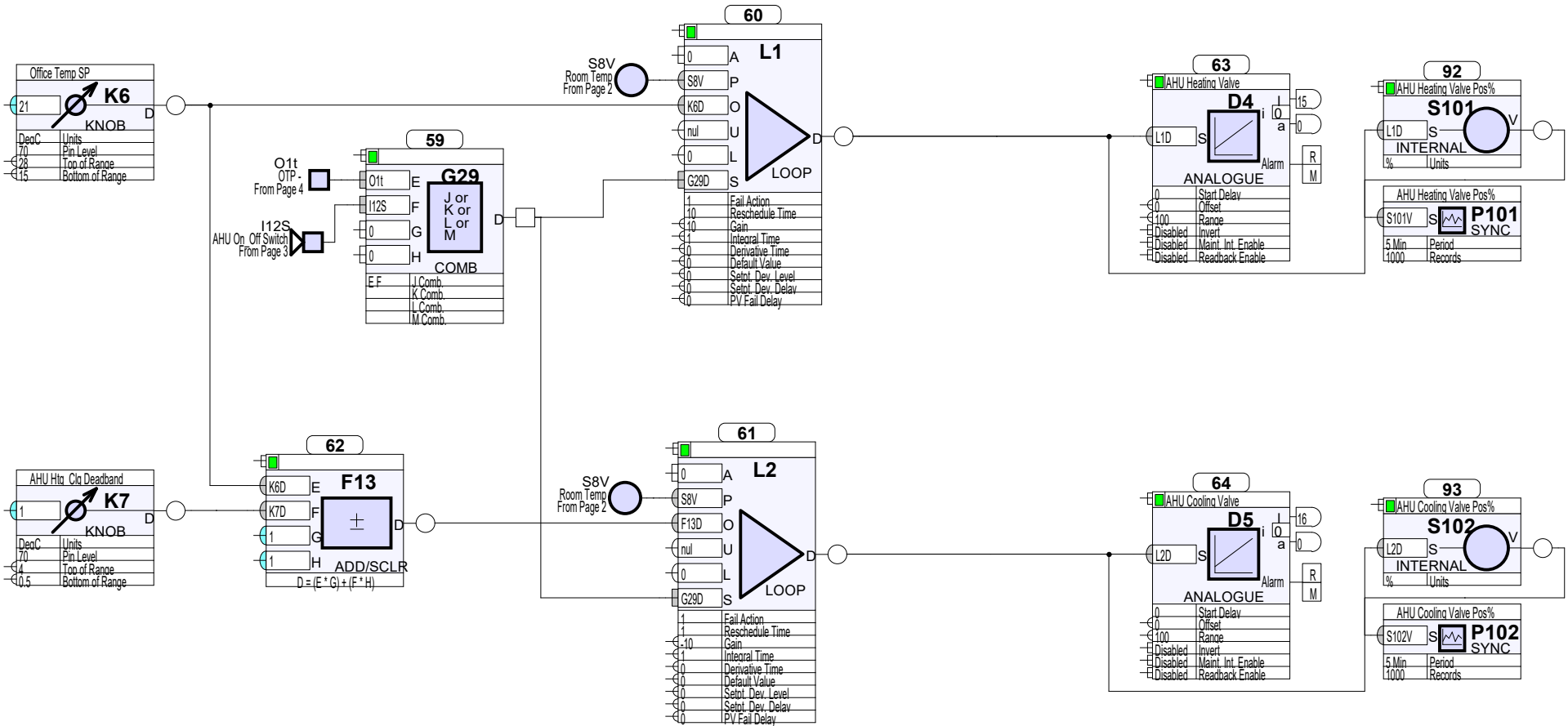




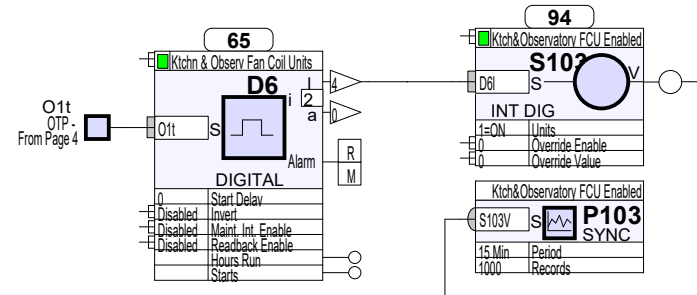


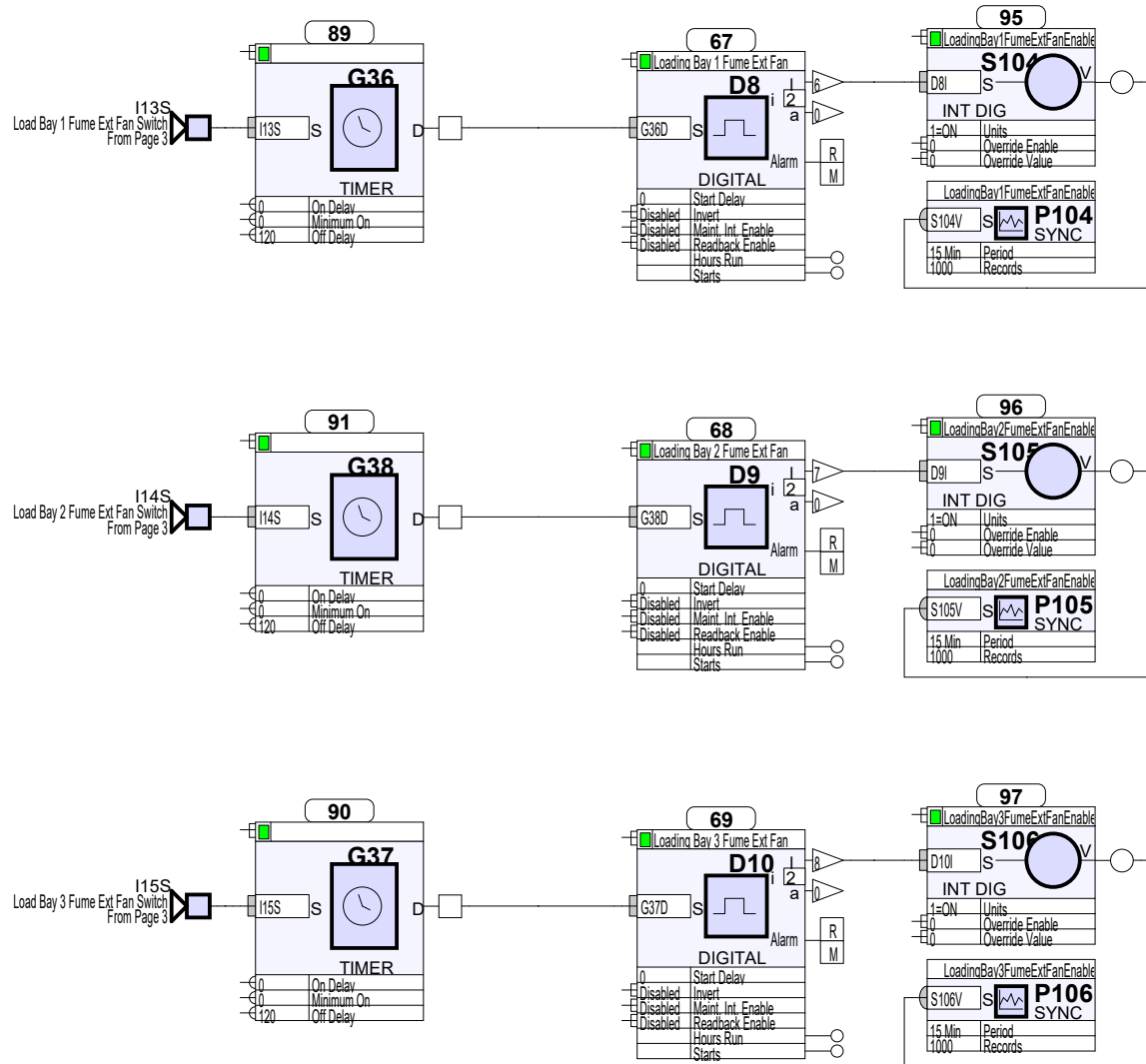


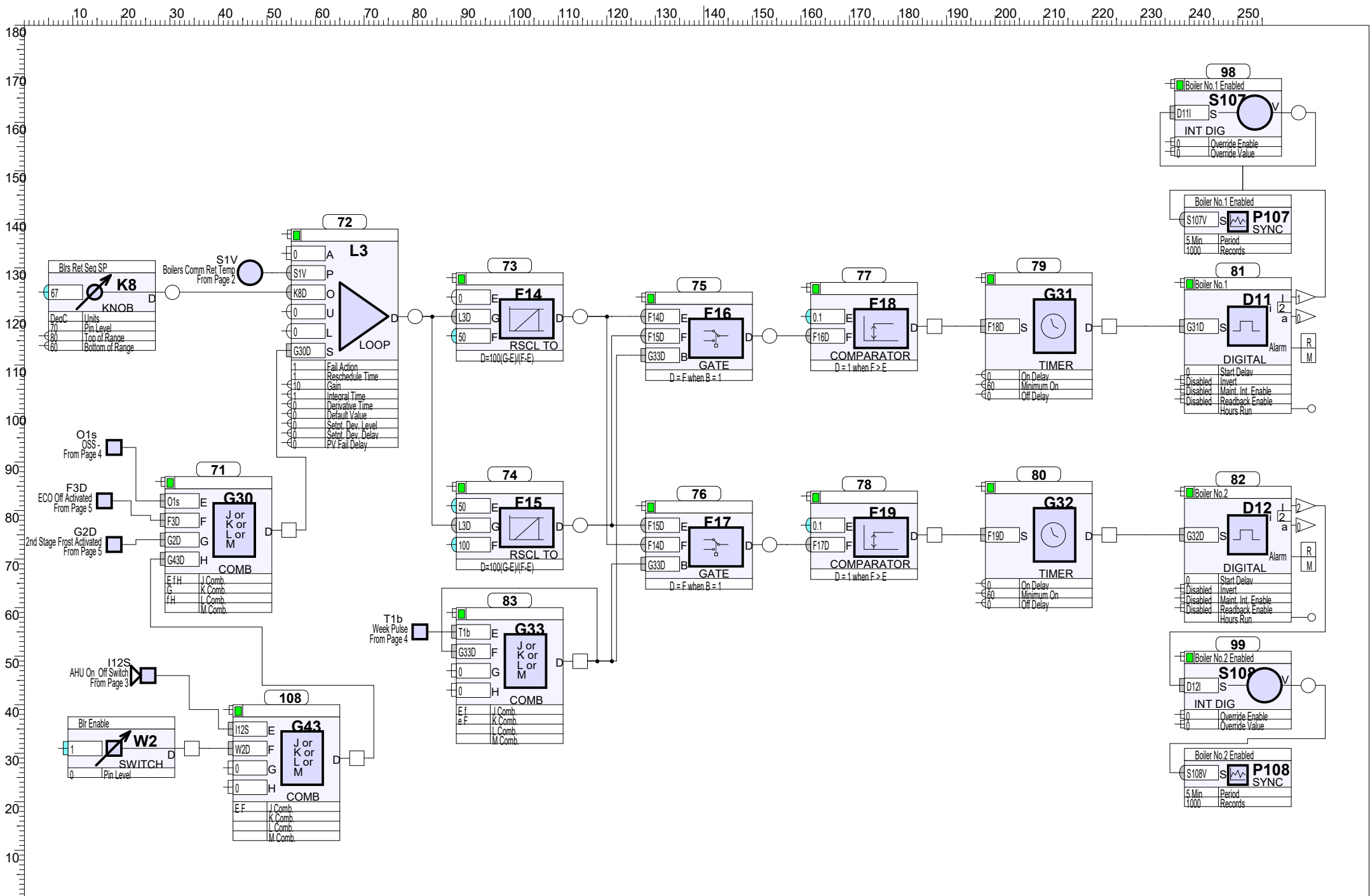
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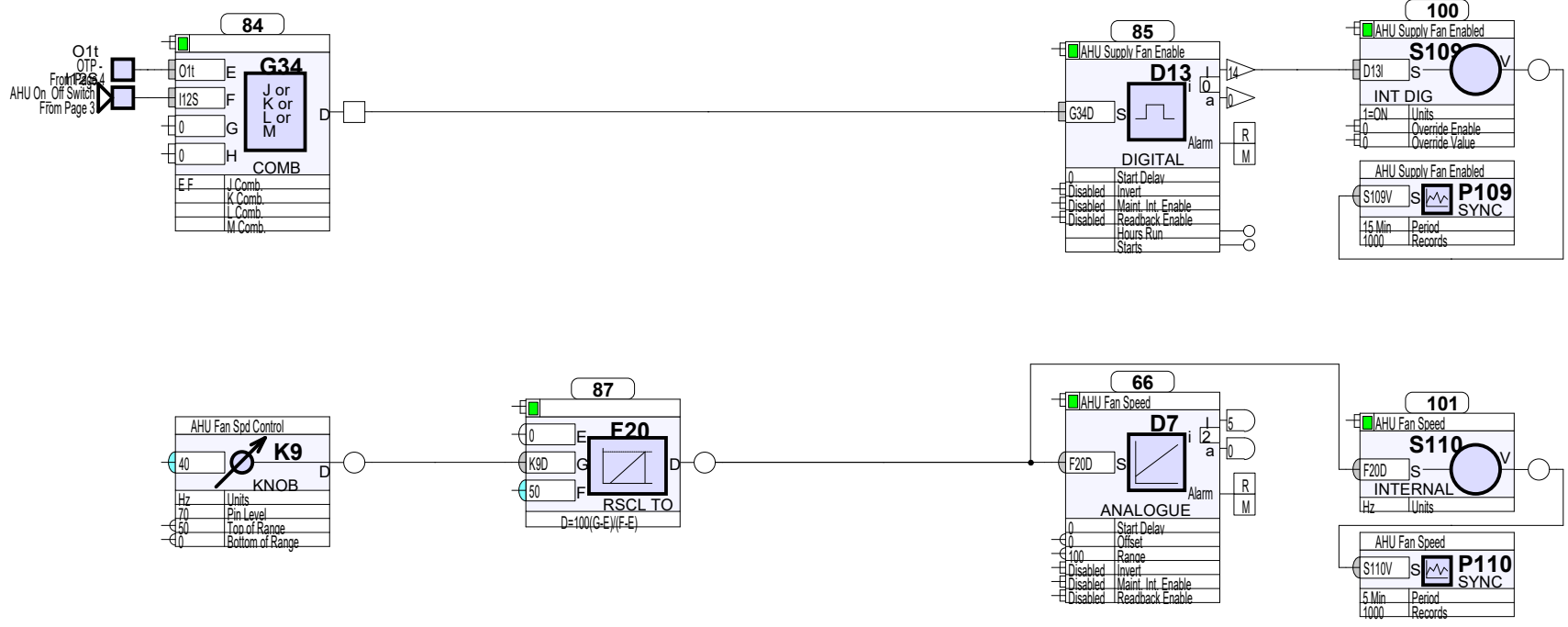


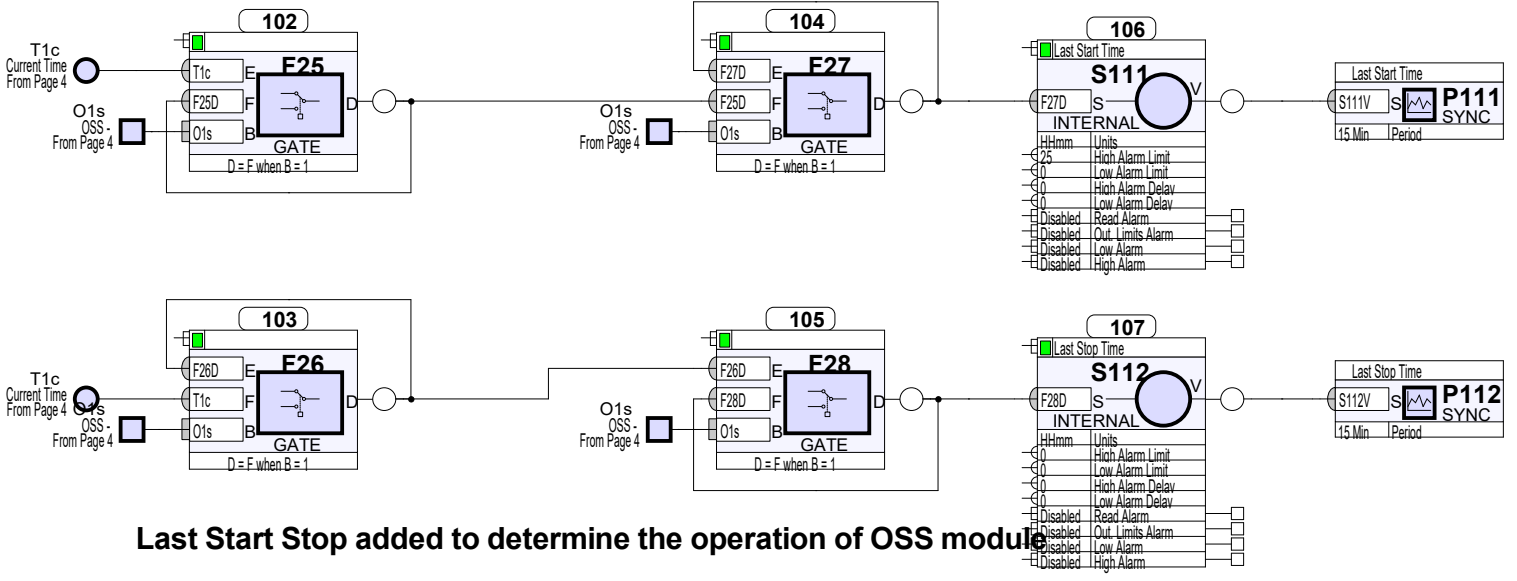






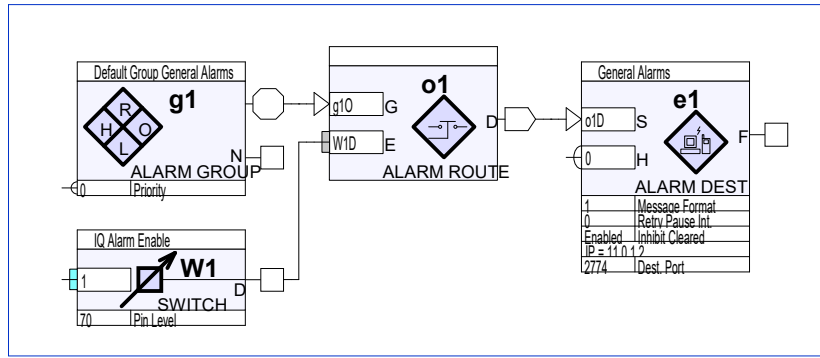






**Last Start Stop added to determine the operation of OSS module**

- 11S Safety Circuit Alarm From Page 3
- 12S Heating Pumps No Flow From Page 3
- 16S Boiler 1 Fault From Page 3



**Added to send alarms to IQview**

Address Module	
Identifier	Newton Abbot PMS
Attribute F (2)	
Attribute G (3)	
Attribute H (4)	
Attribute I (5)	
Attribute J (6)	
Attribute K (7)	
Local Lan / Address	1 / 12
General Alarm Group	1
Language Default	English
Installed Languages	English
Supervisor Port	0
Version	IQ3xcite96 Iss2.00 Apr 23 2008

Network Module	
Addressing Mode	Enter Manually
Email Server Address	
IP Address	11.0.1.12
Subnet Mask	255.255.0.0
UDP Port	57612
Default Router	0.0.0.0
Ethernet MAC	00:10:70:00:53:6C
Host Name	TREND_00_53_6C
WINS Server 1	0.0.0.0
WINS Server 2	0.0.0.0
WINS Server 3	0.0.0.0
WINS Server 4	0.0.0.0
WINS Server 5	0.0.0.0
DNS Server 1	0.0.0.0
DNS Server 2	0.0.0.0
DNS Server 3	0.0.0.0
DNS Server 4	0.0.0.0
DNS Server 5	0.0.0.0
Remote Dev. 1 Addr / Subnet	255.255.255.255
Remote Dev. 2 Addr / Subnet	255.255.255.255
Remote Dev. 3 Addr / Subnet	255.255.255.255
Remote Dev. 4 Addr / Subnet	255.255.255.255
Remote Dev. 5 Addr / Subnet	255.255.255.255
Remote Dev. 6 Addr / Subnet	255.255.255.255
Remote Dev. 7 Addr / Subnet	255.255.255.255
Remote Dev. 8 Addr / Subnet	255.255.255.255
Remote Dev. 9 Addr / Subnet	255.255.255.255
Remote Dev. 10 Addr / Subnet	255.255.255.255
Remote Dev. 11 Addr / Subnet	255.255.255.255
Remote Dev. 12 Addr / Subnet	255.255.255.255
Remote Dev. 13 Addr / Subnet	255.255.255.255
Remote Dev. 14 Addr / Subnet	255.255.255.255
Remote Dev. 15 Addr / Subnet	255.255.255.255
Remote Dev. 16 Addr / Subnet	255.255.255.255
Remote Dev. 17 Addr / Subnet	255.255.255.255
Remote Dev. 18 Addr / Subnet	255.255.255.255
Remote Dev. 19 Addr / Subnet	255.255.255.255
Remote Dev. 20 Addr / Subnet	255.255.255.255

IO Modules		
I/O Mod. ID	Type	Label
0 - 0	IQ 3xcite/96	Base IO
1 - 1	xcite/IO/16DI	xcite/IO/16DI
2 - 2	xcite/IO/8AO	xcite/IO/8AO
3 - 3		
4 - 4		
5 - 5		
6 - 6		
7 - 7		
8 - 8		
9 - 9		
A - 10		
B - 11		
C - 12		
D - 13		
E - 14		
F - 15		

BACnet Module	
Device Instance	0
Manual Instance	Automatic
UDP Port	47808
BBMD	Disabled

Sensor Number	Type	Label	Units	S.E.T. Part Number	High Alarm		Low Alarm		Offset	Source	Exp.	Alarm Enable ROLH	I/O Module	I/O Channel
					Limit	Delay	Limit	Delay						
1	1	Boilers Comm Ret Temp	DegC	3 - Thermistor TBTI	115	0	-35	0	0			0 0 0 0	0	1
2	1	Boilers Comm Flow Temp	DegC	3 - Thermistor TBTI	115	0	-35	0	0			0 0 0 0	0	2
3	1	Chilled Water Flow Temp	DegC	3 - Thermistor TBTI	115	0	-35	0	0			0 0 0 0	0	3
4	1	Chilled Water Ret Temp	DegC	3 - Thermistor TBTI	115	0	-35	0	0			0 0 0 0	0	4
5	1	AHU Off Coil Cooling Temp	DegC	2 - Thermistor TBTS	50	0	-5	0	0			0 0 0 0	0	5
6	1	AHU Supply Air Temp	DegC	2 - Thermistor TBTS	50	0	-5	0	0			0 0 0 0	0	6
7	1	Outside Air Temp	DegC	1 - Thermistor TBTO	45	0	-15	0	0			0 0 0 0	0	7
8	1	Room Temp	DegC	2 - Thermistor TBTS	50	0	-5	0	0			0 0 0 0	0	8
100	4	Chiller Enabled	1=ON							D3I		0 0 0 0		
101	2	AHU Heating Valve Pos%	%		0	0	0	0		L1D	0	0 0 0 0		
102	2	AHU Cooling Valve Pos%	%		0	0	0	0		L2D	0	0 0 0 0		
103	4	Kitch&Observatory FCU Enabled	1=ON							D6I		0 0 0 0		
104	4	LoadingBay1FumeExtFanEnabled	1=ON							D8I		0 0 0 0		
105	4	LoadingBay2FumeExtFanEnabled	1=ON							D9I		0 0 0 0		
106	4	LoadingBay3FumeExtFanEnabled	1=ON							D10I		0 0 0 0		
107	4	Boiler No.1 Enabled	1=ON							D11I		0 0 0 0		
108	4	Boiler No.2 Enabled	1=ON							D12I		0 0 0 0		
109	4	AHU Supply Fan Enabled	1=ON							D13I		0 0 0 0		
110	2	AHU Fan Speed	Hz		0	0	0	0		F20D	0	0 0 0 0		
111	2	Last Start Time	HHmm		25	0	0	0		F27D	3	0 0 0 0		
112	2	Last Stop Time	HHmm		0	0	0	0		F28D	3	0 0 0 0		

Dig In Number	Label	Alarm Enable	Delay	Required State	I/O Module	I/O Channel	Source
1	Safety Circuit Alarm	1	30	0	0	9	
2	Heating Pumps No Flow	1	30	0	0	10	
3	Heating Pressure Unitt Fault	1	30	0	1	1	
4	C.W Pressure Unit Fault	1	30	0	1	2	
5	C.W Pumps No Flow	0	30	0	1	3	
6	Boiler 1 Fault	1	30	0	1	4	
7	Boiler 2 Fault	1	30	0	1	5	
8	Chiller Fault	1	0	0	1	6	
9	AHU Supply Fan Fault	1	30	0	1	7	
10	AHU Filter Dirty	0	30	0	1	8	
11	AHU Supply Fan No Flow	0	0	0	1	9	
12	AHU On_Off Switch	0	0	0	1	10	
13	Load Bay 1 Fume Ext Fan Switch	0	0	0	1	11	
14	Load Bay 2 Fume Ext Fan Switch	0	0	0	1	12	
15	Load Bay 3 Fume Ext Fan Switch	0	0	0	1	13	
16	C.W Pump 1 Fault	1	30	0	1	14	
17	C.W Pump 2 Fault	0	30	0	1	15	
18	C.W Pumps No Flow	0	30	0	1	16	
100	ECO Off Activated	0	0	0	0	0	F3D
101	1st Stage Frost Activated	0	0	0	0	0	G1D
102	2nd Stage Frost Activated	0	0	0	0	0	G2D
103	Htg Pump 1 Enable	0	0	0	0	0	G41D
104	Htg Pump 2 Enable	0	0	0	0	0	G12D
105	CHW Pump 1 Enable	0	0	0	0	0	G42D
106	CHW Pump 2 Enable	0	0	0	0	0	G25D



Knob Number	Label	Units	Value	Max. Level	Min. Level	Pin Level
1	Optimum Start Setpt	DegC	17	25	15	70
2	ECO Off SP	DegC	18	26	10	70
3	Fabric Frost SP	DegC	12	15	5	70
4	External Frost SP	DegC	2	5	0	70
5	Water Frost SP	DegC	10	20	5	70
6	Office Temp SP	DegC	21	28	15	70
7	AHU Htg_Clg Deadband	DegC	1	4	0.5	70
8	Blrs Ret Seq SP	DegC	67	80	60	70
9	AHU Fan Spd Control	Hz	40	50	0	70
10	Chiller Low Temp Inhibit		18	22	14	70
12	OSS Warm Up Limit Setpt	mins	240	360	0	70
13	OSS Cool Down Limit Setpt	mins	60	120	0	70

Switch Number	Label	Status	Pin Level State
1	IQ Alarm Enable	1	70
2	Blr Enable	1	0

Driver Number	Label	Type	Source	Delay	Inv?	Analogue		TP+Override		Raise/Lower		Hysteresis		I/O Mod. ID	Channel Phase	Channel Anti Phase
						Offset	Range	Period	Override	Drive	Feedbk	On	Off			
1	Heating Pumps	2	F8D	0	0	0	100							0	11	0
2	Chilled Water Pumps	2	F12D	0	0	0	100							0	12	0
3	Chiller	1	G40D	0	0									2	3	0
4	AHU Heating Valve	2	L1D	0	0	0	100							0	15	0
5	AHU Cooling Valve	2	L2D	0	0	0	100							0	16	0
6	Ktchn & Observ Fan Coil Units	1	O1t	0	0									2	4	0
7	AHU Fan Speed	2	F20D	0	0	0	100							2	5	0
8	Loading Bay 1 Furne Ext Fan	1	G36D	0	0									2	6	0
9	Loading Bay 2 Furne Ext Fan	1	G38D	0	0									2	7	0
10	Loading Bay 3 Furne Ext Fan	1	G37D	0	0									2	8	0
11	Boiler No.1	1	G31D	0	0									2	1	0
12	Boiler No.2	1	G32D	0	0									2	2	0
13	AHU Supply Fan Enable	1	G34D	0	0									0	14	0



D1 - P06	G24 - P07	K5 - P05											
D10 - P10	G25 - P07	K6 - P08											
D11 - P11	G26 - P07	K7 - P08											
D12 - P11	G27 - P07	K8 - P11											
D13 - P12	G28 - P07	K9 - P12											
D2 - P07	G29 - P08	L1 - P08											
D3 - P07	G3 - P06	L2 - P08											
D4 - P08	G30 - P11	L3 - P11											
D5 - P08	G31 - P11	O1 - P04											
D6 - P09	G32 - P11	o1 - P13											
D7 - P12	G33 - P11	P1 - P02											
D8 - P10	G34 - P12	P100 - P07											
D9 - P10	G35 - P06	P101 - P08											
e1 - P13	G36 - P10	P102 - P08											
F1 - P05	G37 - P10	P103 - P09											
F10 - P07	G38 - P10	P104 - P10											
F11 - P07	G39 - P04	P105 - P10											
F12 - P07	G4 - P06	P106 - P10											
F13 - P08	G40 - P07	P107 - P11											
F14 - P11	G41 - P06	P108 - P11											
F15 - P11	G42 - P07	P109 - P12											
F16 - P11	G43 - P11	P110 - P12											
F17 - P11	G5 - P06	P111 - P13											
F18 - P11	G6 - P06	P112 - P13											
F19 - P11	G7 - P06	P2 - P02											
F2 - P05	G8 - P06	P3 - P02											
F20 - P12	G9 - P06	P4 - P02											
F21 - P04	I1 - P03	P5 - P02											
F22 - P04	I10 - P03	P6 - P02											
F23 - P04	I100 - P05	P7 - P02											
F24 - P04	I101 - P05	P8 - P02											
F25 - P13	I102 - P05	S1 - P02											
F26 - P13	I103 - P06	S100 - P07											
F27 - P13	I104 - P06	S101 - P08											
F28 - P13	I105 - P07	S102 - P08											
F3 - P05	I106 - P07	S103 - P09											
F4 - P05	I11 - P03	S104 - P10											
F5 - P06	I12 - P03	S105 - P10											
F6 - P06	I13 - P03	S106 - P10											
F7 - P06	I14 - P03	S107 - P11											
F8 - P06	I15 - P03	S108 - P11											
F9 - P07	I16 - P03	S109 - P12											
G1 - P05	I17 - P03	S110 - P12											
g1 - P13	I18 - P03	S111 - P13											
G10 - P06	I2 - P03	S112 - P13											
G11 - P06	I3 - P03	S2 - P02											
G12 - P06	I4 - P03	S3 - P02											
G13 - P06	I5 - P03	S4 - P02											
G14 - P06	I6 - P03	S5 - P02											
G15 - P06	I7 - P03	S6 - P02											
G16 - P07	I8 - P03	S7 - P02											
G17 - P07	I9 - P03	S8 - P02											
G18 - P07	K1 - P04	T1 - P04											
G19 - P07	K10 - P04	W1 - P13											
G2 - P05	K12 - P04	W2 - P11											
G20 - P07	K13 - P04	Z1 - P04											
G21 - P07	K2 - P05												
G22 - P07	K3 - P05												
G23 - P07	K4 - P05												

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**Module Used List**

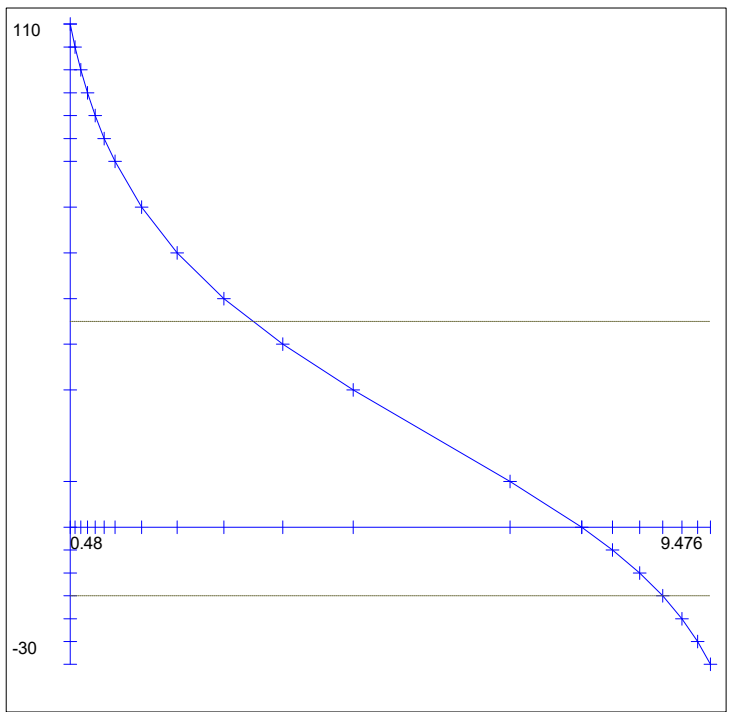
Project Number: 1

Date: 18/01/2022

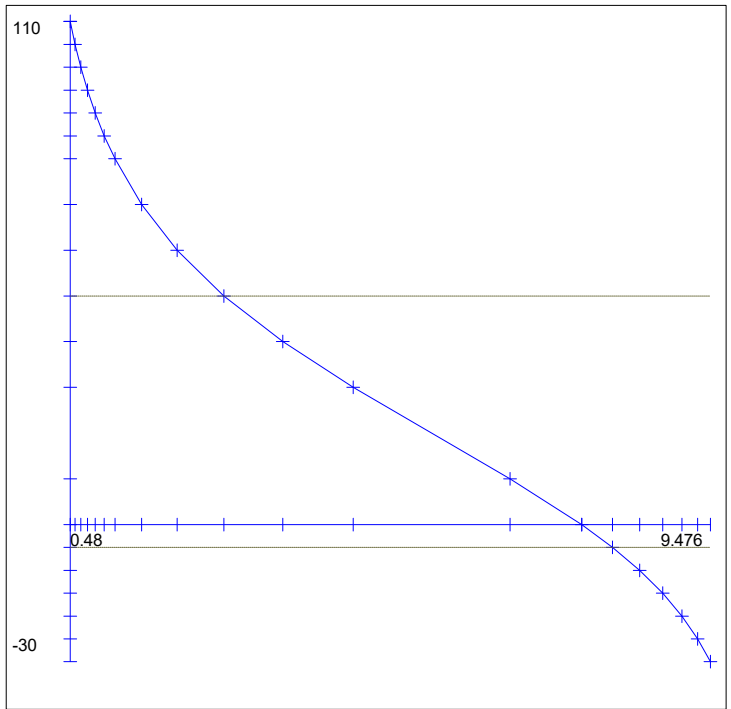
Outstation: 012

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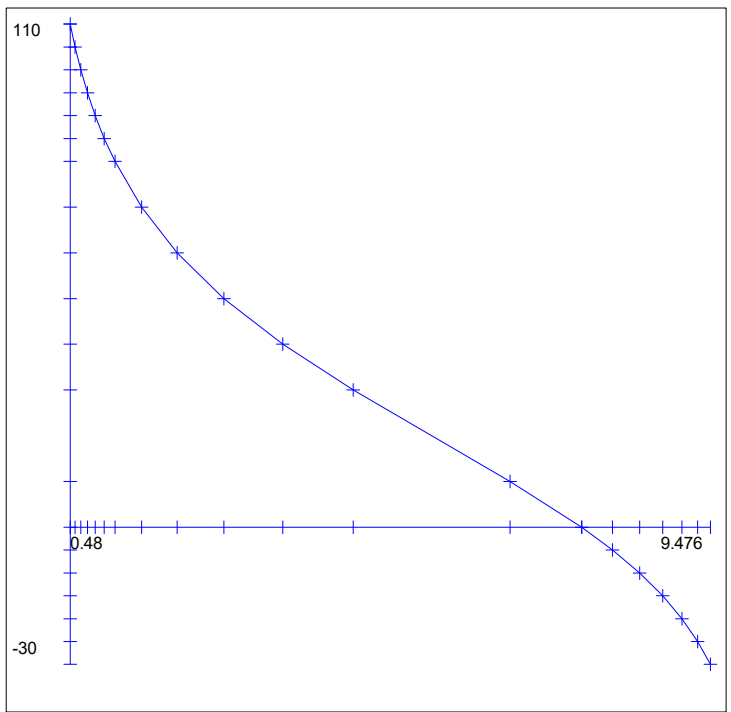
Sensor Type	Unique Reference	Scaling Range
1	Thermistor TBTO	-10 to +40C Type 5
Parameter	Input / Value	Output
Scaling Type	5	
Exponent	0	
Upper Limit	45	
Lower Limit	-15	
1	0.48	110
2	0.549	105
3	0.63	100
4	0.724	95
5	0.833	90
6	0.961	85
7	1.11	80
8	1.484	70
9	1.985	60
10	2.641	50
11	3.47	40
12	4.46	30
13	6.663	10
14	7.668	
15	8.102	-5
16	8.482	-10
17	8.807	-15
18	9.078	-20
19	9.299	-25
20	9.476	-30



Sensor Type	Unique Reference	Scaling Range
2	Thermistor TBTS	0 to +40C Type 5
Parameter	Input / Value	Output
Scaling Type	5	
Exponent	0	
Upper Limit	50	
Lower Limit	-5	
1	0.48	110
2	0.549	105
3	0.63	100
4	0.724	95
5	0.833	90
6	0.961	85
7	1.11	80
8	1.484	70
9	1.985	60
10	2.641	50
11	3.47	40
12	4.46	30
13	6.663	10
14	7.668	
15	8.102	-5
16	8.482	-10
17	8.807	-15
18	9.078	-20
19	9.299	-25
20	9.476	-30



Sensor Type	Unique Reference	Scaling Range
3	Thermistor TBTI	-30 to +110C Type 5
Parameter	Input / Value	Output
Scaling Type	5	
Exponent	0	
Upper Limit	115	
Lower Limit	-35	
1	0.48	110
2	0.549	105
3	0.63	100
4	0.724	95
5	0.833	90
6	0.961	85
7	1.11	80
8	1.484	70
9	1.985	60
10	2.641	50
11	3.47	40
12	4.46	30
13	6.663	10
14	7.668	
15	8.102	-5
16	8.482	-10
17	8.807	-15
18	9.078	-20
19	9.299	-25
20	9.476	-30



Group	Module	Label	Alarm Type	Group	Module	Label	Alarm Type	Group	Module	Label	Alarm Type
1	I1	Safety Circuit Alarm	Status								
1	I2	Heating Pumps No Flow	Status								
1	I3	Heating Pressure Unit Fault	Status								
1	I4	C.W Pressure Unit Fault	Status								
1	I5	C.W Pumps No Flow	Status								
1	I6	Boiler 1 Fault	Status								
1	I7	Boiler 2 Fault	Status								
1	I8	Chiller Fault	Status								
1	I9	AHU Supply Fan Fault	Status								
1	I10	AHU Filter Dirty	Status								
1	I16	C.W Pump 1 Fault	Status								
1	I17	C.W Pump 2 Fault	Status								
1	I18	C.W Pumps No Flow	Status								
1	I100	ECO Off Activated	Status								
1	I101	1st Stage Frost Activated	Status								
1	I102	2nd Stage Frost Activated	Status								
1	I103	Htg Pump 1 Enable	Status								
1	I104	Htg Pump 2 Enable	Status								
1	I105	CHW Pump 1 Enable	Status								
1	I106	CHW Pump 2 Enable	Status								
1	R1		General								
1	S101	AHU Heating Valve Pos%	High								
1	S101	AHU Heating Valve Pos%	Low								
1	S101	AHU Heating Valve Pos%	Out Of Limits								
1	S101	AHU Heating Valve Pos%	Read								
1	S102	AHU Cooling Valve Pos%	High								
1	S102	AHU Cooling Valve Pos%	Low								
1	S102	AHU Cooling Valve Pos%	Out Of Limits								
1	S102	AHU Cooling Valve Pos%	Read								
1	S110	AHU Fan Speed	High								
1	S110	AHU Fan Speed	Low								
1	S110	AHU Fan Speed	Out Of Limits								
1	S110	AHU Fan Speed	Read								



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