

LOCATED IN BMS-1-1 CP

POINT NAME	DDC-1-1 (BOILER PLANT CONTROLLER)							BMS GRAPHIC
	HARDWIRED POINTS				SOFTWARE POINTS			
	AI	AO	BI	BO	AV	BV	TREND	
CARBON DIOXIDE DETECTION ALARM			X			X		X
BOILER ROOM EMERGENCY PULL STATION ALARM			X			X		X
MXF-1-1 START/STOP			X			X		X
MXF-1-1 DAMPER OPEN/CLOSE		X						
MXF-1-1 DAMPER FEEDBACK	X				X			X
B-1-1 START/STOP						X		X
B-1-1 HWS TEMPERATURE SETPOINT					X			X
B-1-2 START/STOP						X		X
B-1-2 HWS TEMPERATURE SETPOINT					X			X
HWP-1-1 ISO-1 VALVE OPEN/CLOSE		X						
HWP-1-1 ISO-1 VALVE FEEDBACK	X				X			X
HWP-1-1 DIFFERENTIAL PRESSURE SWITCH PROVE			X			X		X
HWP-1-1 VFD START/STOP				X				
HWP-1-1- VFD COMMON ALARM			X			X		X
HWP-1-1 VFD SPEED (0-100%)		X						X
HWP-1-1 VFD SPEED REFERENCE (0-100%)	X				X			X
HWP-1-1 VFD STATUS			X			X		X
HWP-1-2 ISO-2 VALVE OPEN/CLOSE		X						
HWP-1-2 ISO-2 VALVE FEEDBACK	X				X			X
HWP-1-2 DIFFERENTIAL PRESSURE SWITCH PROVE			X			X		X
HWP-1-2 VFD START/STOP				X				
HWP-1-2- VFD COMMON ALARM			X			X		X
HWP-1-2 VFD SPEED (0-100%)		X						X
HWP-1-2 VFD SPEED REFERENCE (0-100%)	X				X			X
HWP-1-2 VFD STATUS			X			X		X
HWR HEADER TEMPERATURE (F)	X				X			X
HWS HEADER TEMPERATURE (F)	X				X			X
BOILER ROOM LEAK DETECTION #1 ALARM			X			X		X
BOILER ROOM LEAK DETECTION #2 ALARM			X			X		X
L1 WEST LOOP HWS&R DIFFERENTIAL PRESSURE					X			X
L1 WEST LOOP BPV-1 POSITION					X			X
L1 WEST LOOP BPV-1 FEEDBACK					X			X
L1 EAST LOOP HWS&R DIFFERENTIAL PRESSURE					X			X
L1 EAST LOOP BPV-2 POSITION					X			X
L1 EAST LOOP BPV-2 FEEDBACK					X			X
Totals	7	5	11	2	15	13	0	30
Totals	25				28			

LOCATED IN BMS-1-2 CP

POINT NAME	DDC-1-2 (L1 WEST LOOP DP CONTROL)							BMS GRAPHIC
	HARDWIRED POINTS				SOFTWARE POINTS			
	AI	AO	BI	BO	AV	BV	TREND	
L1 WEST LOOP HWS&R DIFFERENTIAL PRESSURE	X							
L1 WEST LOOP BPV-1 POSITON (0-100%)		X						
L1 WEST LOOP BPV-1 FEEDBACK (0-100%)	X							
Totals	2	1	0	0	0	0	0	0
Totals	3				0			

LOCATED IN BMS-1-3 CP

	DDC-1-3 (L1 EAST LOOP DP CONTROL)							BMS GRAPHIC
	HARDWIRED POINTS				SOFTWARE POINTS			
POINT NAME	AI	AO	BI	BO	AV	BV	TREND	
L1 EAST LOOP HWS&R DIFFERENTIAL PRESSURE	X							
L1 EAST LOOP BPV-2 POSITON (0-100%)		X						
L1 EAST LOOP BPV-2 FEEDBACK (0-100%)	X							
Totals	2	1	0	0	0	0	0	0
Totals	3				0			

LOCATED IN BMS-4-1 CP

POINT NAME	DDC-4-1 (L4 ADMIN LOOP DP & FAN CONTROL)							BMS GRAPHIC
	HARDWIRED POINTS				SOFTWARE POINTS			
	AI	AO	BI	BO	AV	BV	TREND	
L4 ADMIN LOOP HWS&R DIFFERENTIAL PRESSURE	X				X			X
L4 ADMIN LOOP BPV-3 POSITON (0-100%)		X						
L4 ADMIN LOOP BPV-3 FEEDBACK (0-100%)	X				X			X
TXF-R-1 FAN START/STOP				X				
TXF-R-1 FAN SPEED	X				X			X
TXF-R-1 FAN STATUS			X			X		X
DESTRATIFICATION FAN START/STOP		X						
Totals	3	2	1	1	1	1	0	2
Totals	7				2			

TYPICAL FOR ALL

POINT NAME	VAV BOX DDC (COOLING ONLY)							BMS GRAPHIC
	HARDWIRED POINTS				SOFTWARE POINTS			
	AI	AO	BI	BO	AV	BV	TREND	
SPACE TEMPERATURE (F)	X				X			X
DAMPER POSITION (0-100%)		X						
DAMPER FEEDBACK (0-100%)	X				X			X
AIRFLOW (CFM)	X				X			X
SPACE TEMPERATURE OVERRIDE SETPOINT (F)					X			X
AIRFLOW OVERRIDE (CFM)					X			X
Totals	3	1	0	0	5	0	0	5
Totals	4				5			

TYPICAL FOR ALL

POINT NAME	VAV-HW BOX DDC (COOL & HEAT)							BMS GRAPHIC
	HARDWIRED POINTS				SOFTWARE POINTS			
SPACE TEMPERATURE (F)	X				X			X
DAMPER POSITION (0-100%)		X						
DAMPER FEEDBACK (0-100%)	X				X			X
AIRFLOW (CFM)	X				X			X
SAT (F)	X				X			X
REHEAT HW VALVE POSITION (0-100%)		X						
REHEAT HW VALVE FEEDBACK (0-100%)	X				X			X
REHEAT HW VALVE POSITION OVERRIDE					X			X
SPACE TEMPERATURE OVERRIDE SETPOINT (F)					X			X
AIRFLOW OVERRIDE (CFM)					X			X
Totals	5	2	0	0	8	0	0	8
Totals	7				8			

TYPICAL FOR ALL

POINT NAME	VAV BOX DDC (COOL & HEAT)							
	HARDWIRED POINTS				SOFTWARE POINTS			
	AI	AO	BI	BO	AV	BV	TREND	BMS GRAPHIC
SPACE TEMPERATURE (F)	X				X			X
DAMPER POSITION (0-100%)		X						
DAMPER FEEDBACK (0-100%)	X				X			X
AIRFLOW (CFM)	X				X			X
FTR HW VALVE OPEN/CLOSE				X				
FTR HW VALVE FEEDBACK			X			X		X
SPACE TEMPERATURE OVERRIDE SETPOINT (F)					X			X
AIRFLOW OVERRIDE (CFM)					X			X
Totals	3	1	1	1	5	1	0	6
Totals	6				6			

TYPICAL FOR ALL

POINT NAME	HWUH THERMOSTAT				BMS GRAPHIC
	HARDWIRED POINTS				
	AI	AO	BI	BO	
HWUH FAN START/STOP					X
HWUH HW VALVE OPEN/CLOSE				X	
Totals	0	0	0	2	
Totals	2				

TYPICAL FOR ALL

POINT NAME	FTR THERMOSTAT			
	HARDWIRED POINTS			
	AI	AO	BI	BO
FTR HW VALVE OPEN/CLOSE				X
Totals	0	0	0	1
Totals	1			

TYPICAL FOR ALL

POINT NAME	FAN THERMOSTAT				BMS GRAPHIC
	HARDWIRED POINTS				
	AI	AO	BI	BO	
FAN START/STOP				X	
Totals	0	0	0	1	
Totals	1				

ARCHITECT

di Domenico + Partners LLP

Architecture

Landscape Architecture

Planning

3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282

Consultants



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021
	ISSUED FOR PROGRESS	01/18/2022

DRAWN BY :

CHECKED BY :

APPROVED BY :

DATE :

SCALE :

DRAWING TITLE :

MECHANICAL
CONTROLS SHEET #3

DWG NUMBER :

M-307