

Appendix F

IO List

		I/O LIST - PRIMARY CLARIFIERS		Document Code	1-0101-AELI-P001
				Revision	0
Client City of Winnipeg					
Project NEWPCC Primary Clarification Upgrade					
Package / Area Primary Clarifiers					
Prepared By		Name	Signature	Date	
		T. Wilson		2024-11-02	
Checked By		Name	Signature	Date	
		S. Symons		2024-11-02	
Approved By		Name	Signature	Date	
		S. Boghosian		2024-11-02	
Notes / Comments				Seal	

Revisions					
Rev	Description	Date	By	Checked	Approved
00	Issued for Tender	2024-11-02	T. Wilson	S. Symons	S. Boghosian

Discrete Inputs

Cabinet	Rack	Slot	Point	Tag	Description	Fail state	0 State	1 State	I/O type	Range	DCS PCU	DCS Module	Cabinet	Row	TB	TB Wire	Notes
CP-P8001	RIO-P8001-1	9	0	ZL P11111.On	ZS-P11111 Limit Switch	Not Closed	Closed	DI	NA	NA	10	3	2	1C	4	5,6	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	1	ZL P11211.On	ZS-P11211 Limit Switch	Not Closed	Closed	DI	NA	NA	10	3	2	1C	4	7,8	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	2	ZL P11311.On	ZS-P11311 Limit Switch	Not Closed	Closed	DI	NA	NA	10	3	2	1C	3	1,2	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	3	XC P31102.ZSC.XV- P31102	Closed	Not Closed	Closed	DI	NA	NA	10	3	2	1C	3	3,4	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	4	XC P31102.ZSO.XV- P31102	Open	Not Open	Open	DI	NA	NA	10	3	2	1C	3	5,6	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	5	XC P31102.Rem.XV- P31102	Remote Mode	Not Remote	Remote	DI	NA	NA	10	3	2	1C	3	7,8	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	6	XC P31112.ZSC.XV-P31112	Closed	Not Closed	Closed	DI	NA	NA	10	3	2	1C	1	3,4	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	7	XC P31112.ZSO.XV-P31112	Open	Not Open	Open	DI	NA	NA	10	3	2	1C	2	1,2	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	8	XC P31112.Rem.XV-P31112	Remote Mode	Not Remote	Remote	DI	NA	NA	10	3	2	2C	1	1,2	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	9	XC P32122.ZSC.XV-P32122	Closed	Not Closed	Closed	DI	NA	NA	10	3	2	4C	4	1,2	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	10	XC P32122.ZSO.XV-P32122	Open	Not Open	Open	DI	NA	NA	10	3	2	4C	2	1,2	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	11	XC P32122.Rem.XV-P32122	Remote Mode	Not Remote	Remote	DI	NA	NA	10	3	2	6C	4	1,2	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	12	XC P32112.ZSC.XV-P32112	Closed	Not Closed	Closed	DI	NA	NA	10	3	2	6C	3	1,2	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	13	XC P32112.ZSO.XV-P32112	Open	Not Open	Open	DI	NA	NA	10	3	2	6C	1	5,6	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	14	XC P32112.Rem.XV-P32112	Remote Mode	Not Remote	Remote	DI	NA	NA	10	3	2	7C	4	1,2	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	15	XC P32121.ZSC.XV-P32121	Closed	Not Closed	Closed	DI	NA	NA	10	3	2	7C	4	3,4	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	16	XC P32121.ZSO.XV-P32121	Open	Not Open	Open	DI	NA	NA	10	3	2	7C	4	5,6	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	17	XC P32121.Rem.XV-P32121	Remote Mode	Not Remote	Remote	DI	NA	NA	10	3	2	7C	3	1,2	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	18	XC P32132.ZSC.XV-P32132	Closed	Not Closed	Closed	DI	NA	NA	10	3	2	7C	3	5,6	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	19	XC P32132.ZSO.XV-P32132	Open	Not Open	Open	DI	NA	NA	10	3	2	7C	2	7,8	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	20	XC P32132.Rem.XV-P32132	Remote Mode	Not Remote	Remote	DI	NA	NA	10	3	2	1B	3	3,4	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	21	XC P32211.ZSC.XV-P32211	Closed	Not Closed	Closed	DI	NA	NA	10	3	2	1B	3	5,6	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	22	XC P32211.ZSO.XV-P32211	Open	Not Open	Open	DI	NA	NA	10	3	2	1B	1	1,2	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	23	XC P32211.Rem.XV-P32211	Remote Mode	Not Remote	Remote	DI	NA	NA	10	3	2	1B	1	3,4	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	24	XC P32212.ZSC.XV-P32212	Closed	Not Closed	Closed	DI	NA	NA	10	3	2	1B	1	5,6	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	25	XC P32212.ZSO.XV-P32212	Open	Not Open	Open	DI	NA	NA	10	3	2	1B	2	7,8	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	26	XC P32212.Rem.XV-P32212	Remote Mode	Not Remote	Remote	DI	NA	NA	10	3	2	1B	3	5,6	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	27	XC P32223.ZSC.XV-P32223	Closed	Not Closed	Closed	DI	NA	NA	10	3	2	1B	1	1,2	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	28	XC P32223.ZSO.XV-P32223	Open	Not Open	Open	DI	NA	NA	10	3	2	1B	1	3,4	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	29	XC P32223.Rem.XV-P32223	Remote Mode	Not Remote	Remote	DI	NA	NA	10	3	2	1B	1	5,6	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	30	XC P32233.ZSC.XV-P32233	Closed	Not Closed	Closed	DI	NA	NA	10	3	2	1B	1	7,8	OLD BUILDING T
CP-P8001	RIO-P8001-1	9	31	XC P32233.ZSO.XV-P32233	Open	Not Open	Open	DI	NA	NA	10	3	2	2	1	1,2	OLD BUILDING T
CP-P8001	RIO-P8001-1	10	0	XC P32233.Rem.XV-P32233	Remote Mode	Not Remote	Remote	DI	NA	NA	10	3	2	2	3,4	OLD BUILDING T	
CP-P8001	RIO-P8001-1	10	1	XC P35011.ZSC.XV- P35011	Closed	Not Closed	Closed	DI	NA	NA	10	3	2	2	5,6	OLD BUILD REL	
CP-P8001	RIO-P8001-1	10	2	XC P35011.ZSO.XV- P35011	Open	Not Open	Open	DI	NA	NA	10	3	2	2	7,8	OLD BUILD REL	
CP-P8001	RIO-P8001-1	10	3	NGR P70111.Flt	NGR-P70111 On yes	Fault	Normal	DI	NA	NA	10	3	2	3	1,2		
CP-P8001	RIO-P8001-1	10	4	XC P35012.ZSC.XV- P35012	Closed	Not Closed	Closed	DI	NA	NA	10	3	2	3	3,4	OLD BUILD REL	
CP-P8001	RIO-P8001-1	10	5	XC P35012.ZSO.XV- P35012	Open	Not Open	Open	DI	NA	NA	10	3	2	3	5,6	OLD BUILD REL	
CP-P8001	RIO-P8001-1	10	6	NGR P70112.Flt	NGR-P70112 Fau yes	Fault	Normal	DI	NA	NA	10	3	2	3	1,2		
CP-P8001	RIO-P8001-1	10	7	XC P35021.ZSC.XV- P35021	Closed	Not Closed	Closed	DI	NA	NA	10	3	2	4	1,2	OLD BUILD REL	
CP-P8001	RIO-P8001-1	10	8	XC P35021.ZSO.XV- P35021	Open	Not Open	Open	DI	NA	NA	10	3	2	4	3,4	OLD BUILD REL	
CP-P8001	RIO-P8001-1	10	9	SPARE	SPARE			DI	NA	NA	10	3	2	3	1,2		
CP-P8001	RIO-P8001-1	10	10	XC P35022.ZSC.XV- P35022	Closed	Not Closed	Closed	DI	NA	NA	10	3	2	4	7,8	OLD BUILD REL	
CP-P8001	RIO-P8001-1	10	11	XC P35022.ZSO.XV- P35022	Open	Not Open	Open	DI	NA	NA	10	3	2	1	1,2	OLD BUILD REL	
CP-P8001	RIO-P8001-1	10	12	SPARE	SPARE			DI	NA	NA	10	3	2	3	1,2		
CP-P8001	RIO-P8001-1	10	13	SPARE	SPARE			DI	NA	NA							
CP-P8001	RIO-P8001-1	10	14	SPARE	SPARE			DI	NA	NA							
CP-P8001	RIO-P8001-1	10	15	SPARE	SPARE			DI	NA	NA							
CP-P8001	RIO-P8001-1	10	16	SPARE	SPARE			DI	NA	NA							
CP-P8001	RIO-P8001-1	10	17	SPARE	SPARE			DI	NA	NA							
CP-P8001	RIO-P8001-1	10	18	SPARE	SPARE			DI	NA	NA							
CP-P8001	RIO-P8001-1	10	19	SPARE	SPARE			DI	NA	NA							

Discrete Inputs

Cabinet	Rack	Slot	Point	Tag	Description	Fail state	0 State	1 State	I/O type	Range	DCS PCU	DCS Module	Cabinet	Row	TB	TB Wire	Notes
CP-P8001	RIO-P8001-1	10	20	SPARE	SPARE				DI	NA							
CP-P8001	RIO-P8001-1	10	21	SPARE	SPARE				DI	NA							
CP-P8001	RIO-P8001-1	10	22	SPARE	SPARE				DI	NA							
CP-P8001	RIO-P8001-1	10	23	SPARE	SPARE				DI	NA							
CP-P8001	RIO-P8001-1	10	24	SPARE	SPARE				DI	NA							
CP-P8001	RIO-P8001-1	10	25	SPARE	SPARE				DI	NA							
CP-P8001	RIO-P8001-1	10	26	SPARE	SPARE				DI	NA							
CP-P8001	RIO-P8001-1	10	27	SPARE	SPARE				DI	NA							
CP-P8001	RIO-P8001-1	10	28	SPARE	SPARE				DI	NA							
CP-P8001	RIO-P8001-1	10	29	SPARE	SPARE				DI	NA							
CP-P8001	RIO-P8001-1	10	30	SPARE	SPARE				DI	NA							
CP-P8001	RIO-P8001-1	10	31	SPARE	SPARE				DI	NA							

Discrete Outputs

Cabinet	Rack	Slot	Point	Tag	Description	0 State	1 State	I/O type	Range	DCS PCU	DCS Module	Cabinet	Row	TB	TB Wire	Notes
CP-P8001	RIO-P8001-1	11	0	XC_P31102.Cmd	XV-P31102 Open Command	Close Command	Open Command	DO	NA	10	3	2	9D	4	3,4	OLD BUILDING T
CP-P8001	RIO-P8001-1	11	1	XC_P31112.Cmc	XV-P31112 Open Command	Close Command	Open Command	DO	NA	10	3	2	9D	3	3,4	OLD BUILDING T
CP-P8001	RIO-P8001-1	11	2	XC_P32122.Cmc	XV-P32122 Open Command	Close Command	Open Command	DO	NA	10	3	2	9D	3	5,6	OLD BUILDING T
CP-P8001	RIO-P8001-1	11	3	XC_P32112.Cmc	XV-P32112 Open Command	Close Command	Open Command	DO	NA	10	3	2	9D	3	7,8	OLD BUILDING T
CP-P8001	RIO-P8001-1	11	4	XC_P32121.Cmd	XV-P32121 Open Command	Close Command	Open Command	DO	NA	10	3	2	9D	1	1,2	OLD BUILDING T
CP-P8001	RIO-P8001-1	11	5	XC_P32132.Cmd	XV-P32132 Open Command	Close Command	Open Command	DO	NA	10	3	2	9D	1	3,4	OLD BUILDING T
CP-P8001	RIO-P8001-1	11	6	XC_P35011.Cmd	XV-P35011 Open Command	Close Command	Open Command	DO	NA	10	3	2	9D	2	1,2	OLD BUILD. REL
CP-P8001	RIO-P8001-1	11	7	XC_P35012.Cmd	XV-P35012 Open Command	Close Command	Open Command	DO	NA	10	3	2	9D	2	3,4	OLD BUILD. REL
CP-P8001	RIO-P8001-1	11	8	XC_P32211.Cmd	XV-P32211 Open Command	Close Command	Open Command	DO	NA	10	3	2	9D	2	5,6	OLD BUILDING T
CP-P8001	RIO-P8001-1	11	9	XC_P32212.Cmd	XV-P32212 Open Command	Close Command	Open Command	DO	NA	10	3	2	9D	2	7,8	OLD BUILDING T
CP-P8001	RIO-P8001-1	11	10	XC_P32223.Cmd	XV-P32223 Open Command	Close Command	Open Command	DO	NA	10	3	2	1D	1	1,2	OLD BUILDING T
CP-P8001	RIO-P8001-1	11	11	XC_P32233.Cmd	XV-P32233 Open Command	Close Command	Open Command	DO	NA	10	3	2	1D	1	3,4	OLD BUILDING T
CP-P8001	RIO-P8001-1	11	12	XC_P35021.Cmd	XV-P35021 Open Command	Close Command	Open Command	DO	NA	10	3	2	2D	2	1,2	OLD BUILD. REL
CP-P8001	RIO-P8001-1	11	13	XC_P35022.Cmd	XV-P35022 Open Command	Close Command	Open Command	DO	NA	10	3	2	2D	2	5,6	OLD BUILD. REL
CP-P8001	RIO-P8001-1	11	14	SPARE	SPARE			DO	NA	10	3	2	3D	2	7,8	
CP-P8001	RIO-P8001-1	11	15	SPARE	SPARE			DO	NA	10	3	2	4D	2	7,8	
CP-P8001	RIO-P8001-2	5	0	SPARE	SPARE			DO	NA	10	3	2	5D	2	3,4	
CP-P8001	RIO-P8001-2	5	1	SPARE	SPARE			DO	NA	10	3	2	5D	2	5,6	
CP-P8001	RIO-P8001-2	5	2	SPARE	SPARE			DO	NA	10	3	2	5D	2	7,8	
CP-P8001	RIO-P8001-2	5	3	SPARE	SPARE			DO	NA	10	3	2	6D	1	7,8	
CP-P8001	RIO-P8001-2	5	4	SPARE	SPARE			DO	NA	10	3	2	6D	2	1,2	
CP-P8001	RIO-P8001-2	5	5	SPARE	SPARE			DO	NA	10	3	2	6D	2	3,4	
CP-P8001	RIO-P8001-2	5	6	SPARE	SPARE			DO	NA	10	3	2	6D	2	5,6	
CP-P8001	RIO-P8001-2	5	7	SPARE	SPARE			DO	NA	10	3	2	6D	2	7,8	
CP-P8001	RIO-P8001-2	5	8	SPARE	SPARE			DO	NA	10	3	2	7D	1	1,2	
CP-P8001	RIO-P8001-2	5	9	SPARE	SPARE			DO	NA	10	3	2	7D	1	3,4	
CP-P8001	RIO-P8001-2	5	10	SPARE	SPARE			DO	NA	10	3	2	7D	1	5,6	
CP-P8001	RIO-P8001-2	5	11	SPARE	SPARE			DO	NA	10	3	2	7D	1	7,8	
CP-P8001	RIO-P8001-2	5	12	SPARE	SPARE			DO	NA	10	3	2	7D	2	1,2	
CP-P8001	RIO-P8001-2	5	13	SPARE	SPARE			DO	NA	10	3	2	7D	2	3,4	
CP-P8001	RIO-P8001-2	5	14	SPARE	SPARE			DO	NA	10	3	2	7D	2	5,6	
CP-P8001	RIO-P8001-2	5	15	SPARE	SPARE			DO	NA	10	3	2	7D	2	7,8	

Analog Inputs

Cabinet	Rack	Slot	Point	Tag	Description	Type	EU Range	Notes

Analog Outputs

Cabinet	Rack	Slot	Point	Tag	Description	Type	EU Range	Notes

Discrete Inputs

Cabinet	Rack	Slot	Point	Tag	Description	Fail state	0 State	1 State	I/O type	Range	Notes
CP-P8040	PLC-P8040	4	0	PAL_P61000.PLo	AHU-P61000 Low pressure	yes	Low Pressure	Normal	DI	NA	HVAC-ERV 1
CP-P8040	PLC-P8040	4	1	YC_P6100.Rem	HS-P61000 EF-P6102 and SF-P6101 on remote		Not Remote	Remote	DI	NA	HVAC-ERV 1
CP-P8040	PLC-P8040	4	2	YC_P61020.Flt	EF-P6102 On Fault	yes	Fault	Normal	DI	NA	HVAC-ERV 1
CP-P8040	PLC-P8040	4	3	YC_P61020.Run	EF-P6102 Running		Not Running	Running	DI	NA	HVAC-ERV 1
CP-P8040	PLC-P8040	4	4	YC_P61010.Flt	SF-P6101 On Fault	yes	Fault	Normal	DI	NA	HVAC-ERV 1
CP-P8040	PLC-P8040	4	5	YC_P61010.Run	SF-P6101 Running		Not Running	Running	DI	NA	HVAC-ERV 1
CP-P8040	PLC-P8040	4	6	XL_P61001.ZSC	XV-P61001 closed		Not Closed	Closed	DI	NA	HVAC-ERV 1
CP-P8040	PLC-P8040	4	7	XL_P61001.ZSO	XV-P61001 open		Not Open	Open	DI	NA	HVAC-ERV 1
CP-P8040	PLC-P8040	4	8	XL_P61002.ZSC	XV-P61002 closed		Not Closed	Closed	DI	NA	HVAC-ERV 1
CP-P8040	PLC-P8040	4	9	XL_P61002.ZSO	XV-P61002 open		Not Open	Open	DI	NA	HVAC-ERV 1
CP-P8040	PLC-P8040	4	10	PAL_P62000.Plo	AHU-P6200 Low pressure	yes	Alarm	Normal	DI	NA	HVAC-ERV 2
CP-P8040	PLC-P8040	4	11	YC_P62000.Rem	HS-P6200 EF-P6202 and SF-P6201 on remote		Not Remote	Remote	DI	NA	HVAC-ERV 2
CP-P8040	PLC-P8040	4	12	YC_P62020.Flt	EF-P6202 On Fault	yes	Fault	Normal	DI	NA	HVAC-ERV 2
CP-P8040	PLC-P8040	4	13	YC_P62020.Run	EF-P6202 Running		Not Running	Running	DI	NA	HVAC-ERV 2
CP-P8040	PLC-P8040	4	14	YC_P62010.Flt	SF-P6201 On Fault	yes	Fault	Normal	DI	NA	HVAC-ERV 2
CP-P8040	PLC-P8040	4	15	YC_P62010.Run	SF-P6201 Running		Not Running	Running	DI	NA	HVAC-ERV 2
CP-P8040	PLC-P8040	4	16	XL_P62001.ZSC	XV-P62001 closed		Not Closed	Closed	DI	NA	HVAC-ERV 2
CP-P8040	PLC-P8040	4	17	XL_P62001.ZSO	XV-P62001 open		Not Open	Open	DI	NA	HVAC-ERV 2
CP-P8040	PLC-P8040	4	18	XL_P62002.ZSC	XV-P62002 closed		Not Closed	Closed	DI	NA	HVAC-ERV 2
CP-P8040	PLC-P8040	4	19	XL_P62002.ZSO	XV-P62002 open		Not Open	Open	DI	NA	HVAC-ERV 2
CP-P8040	PLC-P8040	4	20	XL_P63001.ZSC	XV-P63001 closed		Not Closed	Closed	DI	NA	HVAC-MAU
CP-P8040	PLC-P8040	4	21	XL_P63001.ZSO	XV-P63001 open		Not Open	Open	DI	NA	HVAC-MAU
CP-P8040	PLC-P8040	4	22	YC_P6300.Rem	HS-P63000 EF-P6300 and SF-P6300 on remote		Not Remote	Remote	DI	NA	HVAC-MAU
CP-P8040	PLC-P8040	4	23	YC_P63000.Flt	SF-P6300 On Fault	yes	Fault	Normal	DI	NA	HVAC-MAU
CP-P8040	PLC-P8040	4	24	YC_P63000.Run	SF-P6300 Running		Not Running	Running	DI	NA	HVAC-MAU
CP-P8040	PLC-P8040	4	25	XL_P64002.On	SF-P6400 Cool heat present		Not Present	Present	DI	NA	HVAC-AHU
CP-P8040	PLC-P8040	4	26	YC_P64000.Rem	SF-P6400 On Remote		Not Remote	Remote	DI	NA	HVAC-AHU
CP-P8040	PLC-P8040	4	27	YC_P64000.Flt	SF-P6400 on fault	yes	Fault	Normal	DI	NA	HVAC-AHU
CP-P8040	PLC-P8040	4	28	YC_P64000.Run	SF-P6400 Running		Not Running	Running	DI	NA	HVAC-AHU
CP-P8040	PLC-P8040	4	29	LAL_P66911.LvlLo	LSL-P66911 Level switch Low	yes	Alarm	Normal	DI	NA	HYDRONIC - BASEMENT
CP-P8040	PLC-P8040	4	30	TSL_P64005.TmpLo	TSL-P64005 Temp switch Low	yes	Alarm	Normal	DI	NA	HVAC-AHU
CP-P8040	PLC-P8040	4	31	SPARE	SPARE				DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	0	YC_P66510.Run	UH-P6651 Running		Not Running	Running	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	1	XC_P66511.ZSC	XV- P66511 Closed		Not Closed	Closed	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	2	XC_P66511.ZSO	XV- P66511 Open		Not Open	Open	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	3	YC_P66520.Run	UH-P6652 Running		Not Running	Running	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	4	XC_P66521.ZSC	XV- P66511 Closed		Not Closed	Closed	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	5	XC_P66521.ZSO	XV- P66511 Open		Not Open	Open	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	6	SPARE	SPARE				DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	7	YC_P66700.Run	HTR-P6670 Running		Not Running	Running	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	8	XC_P66701.ZSC	XV- P66701 Closed		Not Closed	Closed	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	9	XC_P66701.ZSO	XV- P66701 Open		Not Open	Open	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	10	SPARE	SPARE				DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	11	YC_P66500.Run	UH-P6650 Running		Not Running	Running	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	12	XC_P66501.ZSC	XV- P66501 Closed		Not Closed	Closed	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	13	XC_P66501.ZSO	XV- P66501 Open		Not Open	Open	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	14	SPARE	SPARE				DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	15	YC_P66530.Run	UH-P6653 Running		Not Running	Running	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	16	XC_P66531.ZSC	XV- P66531 Closed		Not Closed	Closed	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	17	XC_P66531.ZSO	XV- P66531 Open		Not Open	Open	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	18	SPARE	SPARE				DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	19	YC_P66540.Run	UH-P6654 Running		Not Running	Running	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	20	XC_P66541.ZSC	XV- P66541 Closed		Not Closed	Closed	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	21	XC_P66541.ZSO	XV- P66541 Open		Not Open	Open	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	22	SPARE	SPARE				DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	23	YC_P66730.Run	HTR-P66730 Running		Not Running	Running	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	24	XC_P66731.ZSC	XV- P66731 Closed		Not Closed	Closed	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	25	XC_P66731.ZSO	XV- P66731 Open		Not Open	Open	DI	NA	HYDRONIC - MAIN FLOOR

Discrete Inputs											
Cabinet	Rack	Slot	Point	Tag	Description	Fail state	0 State	1 State	I/O type	Range	Notes
CP-P8040	PLC-P8040	5	26	SPARE	SPARE				DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	27	YC_P66710.Run	HTR-P6671 Running		Not Running	Running	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	28	XC_P66711.ZSC	XV- P66711 Closed		Not Closed	Closed	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	29	XC_P66711.ZSO	XV- P66711 Open		Not Open	Open	DI	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	5	30	SPARE	SPARE				DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	5	31	SPARE	SPARE				DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	0	YC_P66720.Run	HTR-P6672 Running		Not Running	Running	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	1	XC_P66721.ZSC	XV- P66721 Closed		Not Closed	Closed	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	2	XC_P66721.ZSO	XV- P66721 Open		Not Open	Open	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	3	YC_P66550.Run	UH-P6655 Running		Not Running	Running	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	4	XC_P66551.ZSC	XV- P66551 Closed		Not Closed	Closed	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	5	XC_P66551.ZSO	XV- P66551 Open		Not Open	Open	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	6	SPARE	SPARE				DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	7	YC_P66560.Run	UH-P6656 Running		Not Running	Running	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	8	XC_P66561.ZSC	XV- P66561 Closed		Not Closed	Closed	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	9	XC_P66561.ZSO	XV- P66561 Open		Not Open	Open	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	10	SPARE	SPARE				DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	11	YC_P66740.Run	HTR-P6674 Running		Not Running	Running	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	12	XC_P66741.ZSC	XV- P66741 Closed		Not Closed	Closed	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	13	XC_P66741.ZSO	XV- P66741 Open		Not Open	Open	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	14	SPARE	SPARE				DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	15	YC_P66570.Run	UH-P6657 Running		Not Running	Running	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	16	XC_P66571.ZSC	XV- P66571 Closed		Not Closed	Closed	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	17	XC_P66571.ZSO	XV- P66571 Open		Not Open	Open	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	18	SPARE	SPARE				DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	19	YC_P66580.Run	UH-P6658 Running		Not Running	Running	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	20	XC_P66581.ZSC	XV- P66581 Closed		Not Closed	Closed	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	21	XC_P66581.ZSO	XV- P66581 Open		Not Open	Open	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	22	SPARE	SPARE				DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	23	YC_P66590.Run	UH-P6659 Running		Not Running	Running	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	24	XC_P66591.ZSC	XV- P66591 Closed		Not Closed	Closed	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	25	XC_P66591.ZSO	XV- P66591 Open		Not Open	Open	DI	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	6	26	XC_P64002.ZSC	XV-64002 Closed		Not Closed	Closed	DI	NA	AIR FLOW SYSTEM
CP-P8040	PLC-P8040	6	27	XC_P64002.ZSO	XV-64002 Open		Not Open	Open	DI	NA	AIR FLOW SYSTEM
CP-P8040	PLC-P8040	6	28	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	6	29	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	6	30	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	6	31	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	0	YA-P71100.Flt	TC-71100 Heat Trace	yes	Fault	Normal	DI	NA	
CP-P8040	PLC-P8040	7	1	YA-P71200.Flt	TC-71200 Heat Trace	yes	Fault	Normal	DI	NA	
CP-P8040	PLC-P8040	7	2	YC_P61000.Flt	AHU-P6100 On Fault	yes	Fault	Normal	DI	NA	
CP-P8040	PLC-P8040	7	3	YC_P62000.Flt	AHU-P6200 On Fault	yes	Fault	Normal	DI	NA	
CP-P8040	PLC-P8040	7	4	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	5	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	6	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	7	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	8	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	9	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	10	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	11	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	12	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	13	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	14	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	15	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	16	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	17	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	18	SPARE	SPARE				DI	NA	

Discrete Inputs											
Cabinet	Rack	Slot	Point	Tag	Description	Fail state	0 State	1 State	I/O type	Range	Notes
CP-P8040	PLC-P8040	7	19	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	20	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	21	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	25	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	26	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	27	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	28	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	29	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	30	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	7	31	SPARE	SPARE				DI	NA	
CP-P8040	PLC-P8040	8	0	YC_P61000.CmdRun	HS-P61000 EF-P6102 and SF-P6101 Run Cmd		Stop Command	Run Command	DO	NA	HVAC-ERV 1
CP-P8040	PLC-P8040	8	1	FCV_P61001.CmdOpn	XV-P61001 open command		Close Command	Open Command	DO	NA	HVAC-ERV 1
CP-P8040	PLC-P8040	8	2	FCV_P61002.CmdOpn	XV-P61002 open command		Close Command	Open Command	DO	NA	HVAC-ERV 1
CP-P8040	PLC-P8040	8	3	YC_P62000.CmdRun	HS-P62000 EF-P6202 and SF-P6201 Run Cmd		Stop Command	Run Command	DO	NA	HVAC-ERV 2
CP-P8040	PLC-P8040	8	4	FCV_P62001.CmdOpn	XV-P62001 open command		Close Command	Open Command	DO	NA	HVAC-ERV 2
CP-P8040	PLC-P8040	8	5	FCV_P62002.CmdOpn	XV-P62002 open command		Close Command	Open Command	DO	NA	HVAC-ERV 2
CP-P8040	PLC-P8040	8	6	YC_P63000.CmdRun	HS-P63000 EF-P6300 and SF-P6300 Run Cmd		Stop Command	Run Command	DO	NA	HVAC-MAU
CP-P8040	PLC-P8040	8	7	YC_P64000.CmdRun	HS-P63000 EF-P6400 and SF-P6400 Run Cmd		Stop Command	Run Command	DO	NA	HVAC-AHU
CP-P8040	PLC-P8040	8	8	SPARE	SPARE						
CP-P8040	PLC-P8040	8	9	SPARE	SPARE						
CP-P8040	PLC-P8040	8	10	SPARE	SPARE						
CP-P8040	PLC-P8040	8	11	SPARE	SPARE						
CP-P8040	PLC-P8040	8	12	SPARE	SPARE						
CP-P8040	PLC-P8040	8	13	SPARE	SPARE						
CP-P8040	PLC-P8040	8	14	SPARE	SPARE						
CP-P8040	PLC-P8040	8	15	SPARE	SPARE						
CP-P8040	PLC-P8040	9	0	YC_P66510.CmdRun	UH-P6651 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	1	XC_P66511.CmdOpn	XV-P66511 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	2	YC_P66520.CmdRun	UH-P6652 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	3	XC_P66521.CmdOpn	XV-P66521 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	4	YC_P66700.CmdRun	UH-P6670 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	5	XC_P66701.CmdOpn	XV-P66701 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	6	YC_P66500.CmdRun	UH-P6650 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	7	XC_P66501.CmdOpn	XV-P66501 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	8	YC_P66530.CmdRun	UH-P6653 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	9	XC_P66531.CmdOpn	XV-P66531 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	10	YC_P66540.CmdRun	UH-P66540 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	11	XC_P66541.CmdOpn	XV-P66541 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	12	YC_P66730.CmdRun	UH-P6673 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	13	XC_P66731.CmdOpn	XV-P66731 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	14	YC_P66710.CmdRun	UH-P6671 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	9	15	XC_P66711.CmdOpn	XV-P66711 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - MAIN FLOOR
CP-P8040	PLC-P8040	10	0	YC_P66720.CmdRun	UH-P6672 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	10	1	XC_P66721.CmdOpn	XV-P66721 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	10	2	YC_P66550.CmdRun	UH-P6655 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	10	3	XC_P66551.CmdOpn	XV-P66551 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	10	4	YC_P66560.CmdRun	UH-P6656 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	10	5	XC_P66561.CmdOpn	XV-P66561 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	10	6	YC_P66740.CmdRun	UH-P6674 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	10	7	XC_P66741.CmdOpn	XV-P66741 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	10	8	YC_P66570.CmdRun	UH-P6657 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	10	9	XC_P66571.CmdOpn	XV-P66571 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	10	10	YC_P66580.CmdRun	UH-P6658 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	10	11	XC_P66581.CmdOpn	XV-P66581 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	10	12	YC_P66590.CmdRun	UH-P6659 Run Command		Stop Command	Run Command	DO	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	10	13	XC_P66591.CmdOpn	XV-P66591 Open Command		Close Command	Open Command	DO	NA	HYDRONIC - 2ND FLOOR
CP-P8040	PLC-P8040	10	14	XC_P64002.CmdOpn	XV-P64002 Open Command		Close Command	Open Command	DO	NA	AIR FLOW SYSTEM
CP-P8040	PLC-P8040	10	15	SPARE	SPARE						

Analog Inputs								
Cabinet	Rack	Slot	Point	Tag	Description	Type	EU Range	Notes
CP-P8040	RIO-P8040-1	1	0	DPI_P61003.PD	DPT-P61003 Differential pressure	4-20 mA	AI	HVAC-ERV 1
CP-P8040	RIO-P8040-1	1	1	YC_P61020.S	EF-P61002 Speed	4-20 mA	AI	HVAC-ERV 1
CP-P8040	RIO-P8040-1	1	2	YC_P61010.S	SF-P61001 Speed	4-20 mA	AI	HVAC-ERV 1
CP-P8040	RIO-P8040-1	1	3	DPI_P61007.PD	DPT-P61007 Differential pressure	4-20 mA	AI	HVAC-ERV 1
CP-P8040	RIO-P8040-1	1	4	FI_P61004.F	FIT-P61004 flow	4-20 mA	AI	HVAC-ERV 1
CP-P8040	RIO-P8040-1	1	5	TI_P61005.T	TT-P61005 temperature	4-20 mA	AI	HVAC-ERV 1
CP-P8040	RIO-P8040-1	1	6	TK_P61006.Z	TV-P61006 valve position	4-20 mA	AI	HVAC-ERV 1
CP-P8040	RIO-P8040-1	1	7	DPI_P62003.PD	DPT-P62003 Differential pressure	4-20 mA	AI	HVAC-ERV 2
CP-P8040	RIO-P8040-1	2	0	YC_P62020.S	EF-P6202 Speed	4-20 mA	AI	HVAC-ERV 2
CP-P8040	RIO-P8040-1	2	1	YC_P62010.S	SF-P6201 Speed	4-20 mA	AI	HVAC-ERV 2
CP-P8040	RIO-P8040-1	2	2	TK_P62004.Z	TV-P62004 valve position	4-20 mA	AI	HVAC-ERV 2
CP-P8040	RIO-P8040-1	2	3	DPI_P63002.PD	DPT-P63002 Differential pressure	4-20 mA	AI	HVAC-MAU
CP-P8040	RIO-P8040-1	2	4	DPI_P63003.PD	DPT-P63003 Differential pressure	4-20 mA	AI	HVAC-MAU
CP-P8040	RIO-P8040-1	2	5	TI_P63005.T	TT-P63005 Temperature before Polymer Room	4-20 mA	AI	HVAC-MAU
CP-P8040	RIO-P8040-1	2	6	TK_P63004.Z	TV-P63004 valve position	4-20 mA	AI	HVAC-MAU
CP-P8040	RIO-P8040-1	2	7	TI_P64009.T	TT-P64009 Temperature Value Electrical Room	4-20 mA	AI	HVAC-AHU
CP-P8040	RIO-P8040-1	3	0	XI_P64001.Z	FV-P64001 VALVE POSITION	4-20 mA	AI	HVAC-AHU
CP-P8040	RIO-P8040-1	3	1	XI_P64002.Z	FV-P64002 VALVE POSITION	4-20 mA	AI	HVAC-AHU
CP-P8040	RIO-P8040-1	3	2	DPI_P64003.PD	DPT-64003 Differential pressure	4-20 mA	AI	HVAC-AHU
CP-P8040	RIO-P8040-1	3	3	DPI_P64004.PD	DPT-64004 Differential pressure	4-20 mA	AI	HVAC-AHU
CP-P8040	RIO-P8040-1	3	4	DPI_P64007.PD	DPT-64007 Differential pressure	4-20 mA	AI	HVAC-AHU
CP-P8040	RIO-P8040-1	3	5	TI_P64005.T	TT-P64005 Temperature	4-20 mA	AI	HVAC-AHU
CP-P8040	RIO-P8040-1	3	6	TK_P64006.Z	TV-P64006 Valve position	4-20 mA	AI	HVAC-AHU
CP-P8040	RIO-P8040-1	3	7	TK_P64008.Z	TV-P64008 Valve position	4-20 mA	AI	HVAC-AHU
CP-P8040	RIO-P8040-1	4	0	TI_P66001.T	TT-P66001 Temperature	4-20 mA	AI	HYDRONIC - BASEMENT
CP-P8040	RIO-P8040-1	4	1	TI_P67000.T	TT_P67000 Outdoor Temperature	4-20 mA	AI	HYDRONIC - BASEMENT
CP-P8040	RIO-P8040-1	4	2	TI_P66003.T	TT_P66003 Temperature value	4-20 mA	AI	HYDRONIC - BASEMENT
CP-P8040	RIO-P8040-1	4	3	PI_P66004.P	PIT_66004 Pressure value	4-20 mA	AI	HYDRONIC - BASEMENT
CP-P8040	RIO-P8040-1	4	4	TI_P66005.T	TT_P66005 Temperature value	4-20 mA	AI	HYDRONIC - BASEMENT
CP-P8040	RIO-P8040-1	4	5	TK_P66002.Z	TV_66002 Valve position	4-20 mA	AI	HYDRONIC - BASEMENT
CP-P8040	RIO-P8040-1	4	6	TI_P66513.T	TT_P66513 Temperature value	4-20 mA	AI	HYDRONIC - MAIN FLOOR
CP-P8040	RIO-P8040-1	4	7	TI_P66503.T	TT_P66503Temperature value	4-20 mA	AI	HYDRONIC - MAIN FLOOR
CP-P8040	RIO-P8040-1	5	0	TI_P66533.T	TT_P66533Temperature value	4-20 mA	AI	HYDRONIC - MAIN FLOOR
CP-P8040	RIO-P8040-1	5	1	TI_P66723.T	TT_P66723 Temperature value	4-20 mA	AI	HYDRONIC - 2ND FLOOR
CP-P8040	RIO-P8040-1	5	2	TI_P66553.T	TT_P66553 Temperature value	4-20 mA	AI	HYDRONIC - 2ND FLOOR
CP-P8040	RIO-P8040-1	5	3	TI_P66743.T	TT_P66743 Temperature value	4-20 mA	AI	HYDRONIC - 2ND FLOOR
CP-P8040	RIO-P8040-1	5	4	TI_P66573.T	TT_P66573 Temperature value	4-20 mA	AI	HYDRONIC - 2ND FLOOR
CP-P8040	RIO-P8040-1	5	5	TI_P66593.T	TT_P66593 Temperature value	4-20 mA	AI	HYDRONIC - 2ND FLOOR
CP-P8040	RIO-P8040-1	5	6	YC_P66300.S	P-P6630 Speed	4-20 mA	AI	HYDRONIC - BASEMENT
CP-P8040	RIO-P8040-1	5	7	YC_P66400.S	P-P6640 Speed	4-20 mA	AI	HYDRONIC - BASEMENT
CP-P8040	RIO-P8040-1	6	0	SPARE	SPARE	4-20 mA	AI	
CP-P8040	RIO-P8040-1	6	1	SPARE	SPARE	4-20 mA	AI	
CP-P8040	RIO-P8040-1	6	2	SPARE	SPARE	4-20 mA	AI	
CP-P8040	RIO-P8040-1	6	3	SPARE	SPARE	4-20 mA	AI	
CP-P8040	RIO-P8040-1	6	4	SPARE	SPARE	4-20 mA	AI	
CP-P8040	RIO-P8040-1	6	5	SPARE	SPARE	4-20 mA	AI	
CP-P8040	RIO-P8040-1	6	6	SPARE	SPARE	4-20 mA	AI	
CP-P8040	RIO-P8040-1	6	7	SPARE	SPARE	4-20 mA	AI	
CP-P8040	RIO-P8040-1	7	0	YC_P61020.CmdS	EF-P6102 Speed Command	4-20 mA	AO	HVAC-ERV 1
CP-P8040	RIO-P8040-1	7	1	YC_P61010.CmdS	SF-P6101 Speed Command	4-20 mA	AO	HVAC-ERV 1
CP-P8040	RIO-P8040-1	7	2	TK_P61006.CmdZ	TV-P61006 Position Command	4-20 mA	AO	HVAC-ERV 1
CP-P8040	RIO-P8040-1	7	3	YC_P62020.CmdS	EF-P6202 Speed Command	4-20 mA	AO	HVAC-ERV 2
CP-P8040	RIO-P8040-1	8	0	YC_P62010.CmdS	SF-P6201 Speed Command	4-20 mA	AO	HVAC-ERV 2
CP-P8040	RIO-P8040-1	8	1	TK_P62004.CmdZ	TV-P62004 Position Command	4-20 mA	AO	HVAC-ERV 2
CP-P8040	RIO-P8040-1	8	2	TK_P63004.CmdZ	TV-P63004 Position Command	4-20 mA	AO	HVAC-MAU
CP-P8040	RIO-P8040-1	8	3	TK_P64006.CmdZ	TV-P64006 Position Command	4-20 mA	AO	HVAC-AHU
CP-P8040	RIO-P8040-1	9	0	PK_P64008.CmdZ	PV-P64008 Position Command	4-20 mA	AO	HVAC-AHU
CP-P8040	RIO-P8040-1	9	1	TK_P66002.CmdZ	TV_P66002 Valve position command signal	4-20 mA	AO	HYDRONIC - BASEMENT

Analog Ouputs

Cabinet	Rack	Slot	Point	Tag	Description	Type	EU Range	Notes
CP-P8040	RIO-P8040-1	9	2	YC_P66300.CmdS	P-P6630 Speed Command	4-20 mA	AO	HYDRONIC - BASEMENT
CP-P8040	RIO-P8040-1	9	3	YC_P66400.CmdS	P-P6640 Speed Command	4-20 mA	AO	HYDRONIC - BASEMENT
CP-P8040	RIO-P8040-1	10	0	YC_P64000.SP	AHU-P6400 Set Point	4-20 mA	AO	HVAC-AHU
CP-P8040	RIO-P8040-1	10	1	SPARE	SPARE			
CP-P8040	RIO-P8040-1	10	2	SPARE	SPARE			
CP-P8040	RIO-P8040-1	10	3	SPARE	SPARE			

Discrete Inputs

Cabinet	Rack	Slot	Point	Tag	Description	Fail state	0 State	1 State	I/O type	Range	Notes
CP-P8030	RIO-P8030-1	1	0	LAHH_P35003.LviHiHi	LSHH-P35003 Level switch HiHi	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	1	SPARE	SPARE				DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	2	XC_P34112.ZSC	XV- P34112 Closed		Not Closed	Closed	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	3	XC_P34112.ZSO	XV- P34112 Open		Not Open	Open	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	4	XC_P34112.Rem	XV- P34112 Remote Mode		Not Remote	Remote	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	5	XC_P34122.ZSC	XV- P34122 Closed		Not Closed	Closed	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	6	XC_P34122.ZSO	XV- P34122 Open		Not Open	Open	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	7	XC_P34122.Rem	XV- P34122 Remote Mode		Not Remote	Remote	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	8	ZL_P91010.ZSC	XD-P94134 Loading bay South Overhead door closed		Open	Closed	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	9	ZL_P91020.ZSC	XD-P94234 Loading bay South Overhead door closed		Open	Closed	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	10	ZL_P91030.ZSC	M-103 Polymer room West Overhead door closed		Open	Closed	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	11	ZL_P92010.ZSC	M-100 Loading bay South Man door closed		Open	Closed	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	12	ZL_P92020.ZSC	M-101 Loading bay - Dewatering West stairwell door #1 closed		Open	Closed	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	13	ZL_P92030.ZSC	M-103 Polymer room West door closed		Open	Closed	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	14	ZL_P92040.ZSC	M-100 Loading bay East door closed		Open	Closed	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	15	ZL_P92050.ZSC	M-104 Dewatering East stairwell door closed		Open	Closed	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	16	ZL_P95201.On	MS-P95201 Dewatering Room Occup. Motion Detector		Not Occupied	Occupied	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	17	ZL_P95202.On	MS-P95202 Dewatering Room Occup. Motion Detector		Not Occupied	Occupied	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	18	ZL_P95203.On	MS-P95203 Basement Occup. Motion Detector		Not Occupied	Occupied	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	19	ZL_P95204.On	MS-P95204 Loading bay Floc. Occup. Motion Detector		Not Occupied	Occupied	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	20	SPARE	SPARE				DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	21	AAH-P69010.Alarm	GDC-P69010 Fans room gas alarm H2S	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	22	AAH-P69020.Alarm	GDC-P60910 Loading bay gas alarm H2S	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	23	AAH-P69030.Alarm	GDC-P69010 Dewatering Room gas alarm LEL, CO	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	24	PAL_P01103.PLo	PSL-P01103 Pressure switch Low	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	25	PAL_P01203.PLo	PSL-P01203 Pressure switch Low	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	26	ZL_P34132.InPos	ZS-34132-1 Bin present at T Load bay 1		Not In Position	In Position	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	27	SPARE	SPARE				DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	28	ZL_P34232.InPos	ZS-34232-1 Bin present at T Load bay 2		Not In Position	In Position	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	29	SPARE	SPARE				DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	30	ZL_P95006.ZSC	ZS-P95006 Dewatering Room West Stairs Door Occup Switch		Off	On	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	1	31	ZL_P95007.ZSC	ZS-P95007 Dewatering Room East Stairs Door Occup Switch		Off	On	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	0	HLS_P95301.On	HLS-95301 Dewatering Basement Hand Light Switch	yes	On	Off	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	1	HLS_P95302.On	HLS-95302 Dewatering Bin Room Hand Light Switch	yes	On	Off	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	2	HLS_P95303.On	HLS-95303 Dewatering Rotary Press Hand Light Switch	yes	On	Off	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	3	SPARE	SPARE				DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	4	SPARE	SPARE				DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	5	SPARE	SPARE				DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	6	SPARE	SPARE				DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	7	SPARE	SPARE				DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	8	SPARE	SPARE				DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	9	SPARE	SPARE				DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	10	YC_P78501.On	FAD-P78501 FAN ROOM SMOKE DETECTOR	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	11	YC_P78502.On	FAD-P78502 BASEMENT SMOKE DETECTOR	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	12	YC_P78503.On	FAD-P78503 ELECTRICAL ROOM SMOKE DETECTOR	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	13	YC_P78551.On	FAD-P78551 ELECTRICAL ROOM HEAT DETECTOR	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	14	YC_P78504.On	FAD-P78504 LOADING BAY SMOKE DETECTOR A	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	15	YC_P78505.On	FAD-P78505 LOADING BAY SMOKE DETECTOR B	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	16	YC_P78506.On	FAD-P78506 LOADING BAY SMOKE DETECTOR C	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	17	YC_P78507.On	FAD-P78507 LOADING BAY SMOKE DETECTOR D	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	18	YC_P78508.On	FAD-P78508 MECHANICAL ROOM SMOKE DETECTOR	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	19	YC_P78509.On	FAD-P78509 STAIR 2-202 SMOKE DETECTOR	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	20	YC_P78510.On	FAD-P78510 DEWATERING UNIT 1 SMOKE DETECTOR	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	21	YC_P78511.On	FAD-P78511 DEWATERING UNIT 2 SMOKE DETECTOR	yes	Alarm	Normal	DI	NA	NEW BUILDING
CP-P8030	RIO-P8030-1	2	22	SPARE	SPARE						
CP-P8030	RIO-P8030-1	2	23	SPARE	SPARE						

Analog Inputs

Analog Outputs

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