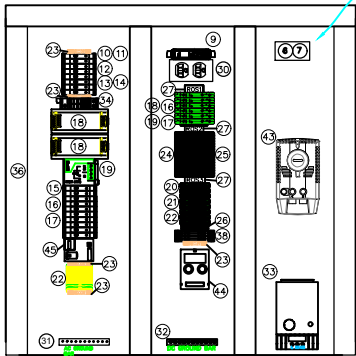


CONSULTANT TO UPDATE
PANEL NAME AND TAG TO
MATCH LOCATION



UTILITY BOM				
ITEM	PART NUMBER	MANUFACTURER	DESCRIPTION	QUANTITY
1	HW483612SSHK	HAMMOND	36 "X 36" X 12" NEMA 4X FREE STANDING ENCLOSURE	1
2	18P3333	HAMMOND	BACKPANEL FOR ABOVE	1
3	1481FC12K	HAMMOND	MOUNTING FEET FOR ABOVE	1
4	PJ12106HW	HAMMOND	12" X 10" X 6" TYPE 4X POLYESTER JUNCTION BOX W/ WINDOW	2
5	-	LOCAL HYDRO UTILITY	HYDRO METER	1
6	BULLET-LTE	MICROHARD SYSTEMS INC.	4G/LTE ETHERNET/SERIAL/USB GATEWAY (FREE ISSUED) (NOTE 4)	1
7	MHS050030	MICROHARD SYSTEMS INC.	BULLET MOUNTING BRACKET (NOTE 4)	1
8	MHS035470	MICROHARD SYSTEMS INC.	LTE (MAIN/DIVERSITY) DUAL BAND PUCK ANTENNA (NOTE 4)	1
9	951EN-6012	ACROMAG	ETHERNET ANALOG AND DISCRETE I/O MODULE	1
10	1061200000	WEIDMULLER	END BRACKET FOR W SERIES TERMINALS	AS REQ.
11	9926251020	WEIDMULLER	SURGE PROTECTOR CIRCUIT BREAKER 1P 20A	1
12	9102003500	WEIDMULLER	CIRCUIT BREAKER 1P 20A	AS REQ.
13	9926251830	WEIDMULLER	CIRCUIT BREAKER 1P 30A	AS REQ.
14	9101803500	WEIDMULLER	CIRCUIT BREAKER 1P 5A	AS REQ.
15	9101703500	WEIDMULLER	CIRCUIT BREAKER 1P 3A	AS REQ.
16	9101803500	WEIDMULLER	CIRCUIT BREAKER 1P 5A DC	AS REQ.
17	9101203500	WEIDMULLER	CIRCUIT BREAKER 1P 1A DC	AS REQ.
18	2938581	PHOENIX	24VDC POWER SUPPLY	2
19	2938963	PHOENIX	24VDC POWER SUPPLY REDUNDANCY MODULE FOR ABOVE	1
20	1162960000	WEIDMULLER	TERMINAL BLOCK, FUSED, 120VAC W/ TRIP INDICATION	AS REQ.
21	1142990000	WEIDMULLER	END PLATE FOR ABOVE	AS REQ.
22	1020100000	WEIDMULLER	TERMINAL BLOCK, FEED THROUGH, FOR DIO, NEUTRAL AND 0VDC TERMINALS	AS REQ.
23	1179600000	WEIDMULLER	END PLATE FOR ABOVE	AS REQ.
24	0687460000	WEIDMULLER	TERMINAL BLOCK, 2-TIER, KNIFE DISCONNECT	AS REQ.
25	0687560000	WEIDMULLER	END PLATE FOR ABOVE	AS REQ.
26	1020090000	WEIDMULLER	TERMINAL BLOCK, FEED THROUGH, GREEN	AS REQ.
27	292460000	WEIDMULLER	GROUP MARKER	AS REQ.
28	PKT1212	HAMMOND	DRAWING HOLDER	1
29	FLK10LED	HAMMOND	PANEL LIGHT - LED 26"	1
30	918688	HUBBEL	DUPLEX RECEPTACLE	1
31	PK15GTA	SQUARE-D	AC GROUND BAR	1
32	NSCH-1M	WEIDMULLER	ISOLATED DC GROUND BAR	1
33	SCR027009	HAMMOND	550W, 120VAC PANEL HEATER C/W BUILT IN THERMOSTAT	1
34	2859563	PHOENIX	LINE SURGE SUPPRESSOR	1
35	-	-	ENCLOSURE INSULATION (NOTE 2)	AS REQ.
36	F2X4LG6	PANDUIT	SLOTTED PVC WIRING DUCT	
37	FLKDS	HAMMOND	PANEL DOOR LIGHT SWITCH	1
38	MINI MCR-2-UI-I-OLP	PHOENIX	LOOP POWERED SIGNAL ISOLATOR	4
39	CPC3312-09 F001	SYSTIMAX	CAT6 PATCH CABLE (1 FT.)	1
40	EM-10	FLYGT	VALVE CHAMBER FLOOD ALARM FLOAT SWITCH	1
41	VSC15/10	SPECTER	DISCONNECT SWITCH COVER	1
42	QO220CP	SCHNEIDER	DOUBLE POLE TOGGLE DISCONNECT SWITCH	1
43	8396K107	HONEYWELL	PANEL LOW TEMPERATURE THERMOSTAT	1
44	EZ-TM4-462	EZAUTOMATION	MULTI-FUNCTION TIMER	1
45	782XBM4L-24D	SCHNEIDER	24VDC POWER RELAY	1
46	1N4004		4004 FLYBACK DIODE	1

- NOTES:
- PANEL TO BE NEMA 4X STAINLESS STEEL.
 - PANEL TO BE INSULATED. REFER TO SPECIFICATIONS FOR DETAILS.
 - CONCRETE PAD TO EXTEND ONE (1) METER BEYOND THE FRONT OF THE ENCLOSURES. REFER TO CIVIL DRAWINGS FOR PANEL BASE DETAILS.
 - CONTRACTOR TO SUPPLY AND INSTALL THE DUAL BAND PUCK ANTENNA AND THE BULLET MOUNTING BRACKET. REGION WILL PROVIDE AND INSTALL THE MICROHARD BULLET AND POWER CABLE.
 - ENCLOSURES TO BE PAD LOCKABLE.

REVISIONS				
NO	Date	By		MANU CAD
Design	-	Ch'kd	-	Date
Drawn	-	Ch'kd	-	
Scale	N.T.S.			References

Field Notes
Stamp

ACCEPTED FOR CONSTRUCTION
OF REGIONAL INFRASTRUCTURE

REVIEWED FOR COMPLIANCE WITH
REGIONAL STANDARDS ONLY.

Director, Water & Wastewater Treatment

Manager, Plant Capital & Engineering



TITLE REGIONAL MUNICIPALITY OF HALTON CONSULTANT PROJECT TITLE PRV XXXXX PRV CONTROL PANEL DESIGN	
Consultant File NO	Regional Drawing NO
CONTRACT NO	Drawing NO I1001 SHEET X OF X