

PLC PANEL FRONT VIEW

NOTES:

1. LAPTOP SHELF TO BE MOUNTED ON OUTER SIDE OF DOOR.
2. LITERATURE POCKET TO BE MOUNTED ON INNER SIDE OF DOOR.
3. AVOID RUNNING CONDUIT THROUGH TOP OF ENCLOSURE.
4. NO CONDUIT ENTRIES DIRECTLY BELOW OR BESIDE THE UPS.
5. BILL OF MATERIALS AND QUANTITIES THEREIN ARE TO BE MODIFIED AS REQUIRED TO SUIT THE DESIGN.
6. PANEL SUPPLIER TO INSTALL NETWORK JACK. DIV 17 TO SUPPLY AND INSTALL CABLING.
7. SEE NETWORK DWG YXXX FOR LABELING OF THE WORK AREA OUTLETS.

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3. ADD ADDITIONAL DETAILS AS REQUIRED TO MEET THE PROJECT SPECIAL REQUIREMENT.
4. WHEN THE CONSULTANT DEVIATES FROM THIS TEMPLATE THEY ARE REQUIRED TO NOTIFY HALTON REGION THROUGH THE USE OF THE STANDARDS DEVIATION MEMO.
5. FUSED TERMINAL BLOCKS AND CIRCUIT BREAKERS TO BE SIZED APPROPRIATELY.
6. SHOW ADDITIONAL RIO RACKS (UP TO A MAXIMUM OF 2) ONLY IF NECESSARY BASED ON DESIGN REQUIREMENTS.
7. THE CONSULTANT IS TO SPECIFY SIGNAL ISOLATORS WHERE REQUIRED. FOLLOW MANUFACTURERS' SPECIFICATIONS FOR GROUNDING OF SHIELDS.
8. PANEL SIZING TO COMPLY WITH SECTION 3 OF THE SCADA STANDARDS
9. CONSULTANT TO SIZE UPS TO ALLOW FOR 30 MINUTES OF UPTIME.
10. IF CONTRACTORS ARE REQUESTING TO SUBSTITUTE PARTS MAKE SURE THE PARTS CONFORM TO THE STANDARDS LAYED OUT IN HALTON SCADA STANDARDS SECTION 3 CONTROL PANEL DESIGN.

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

Field Notes

Stamp

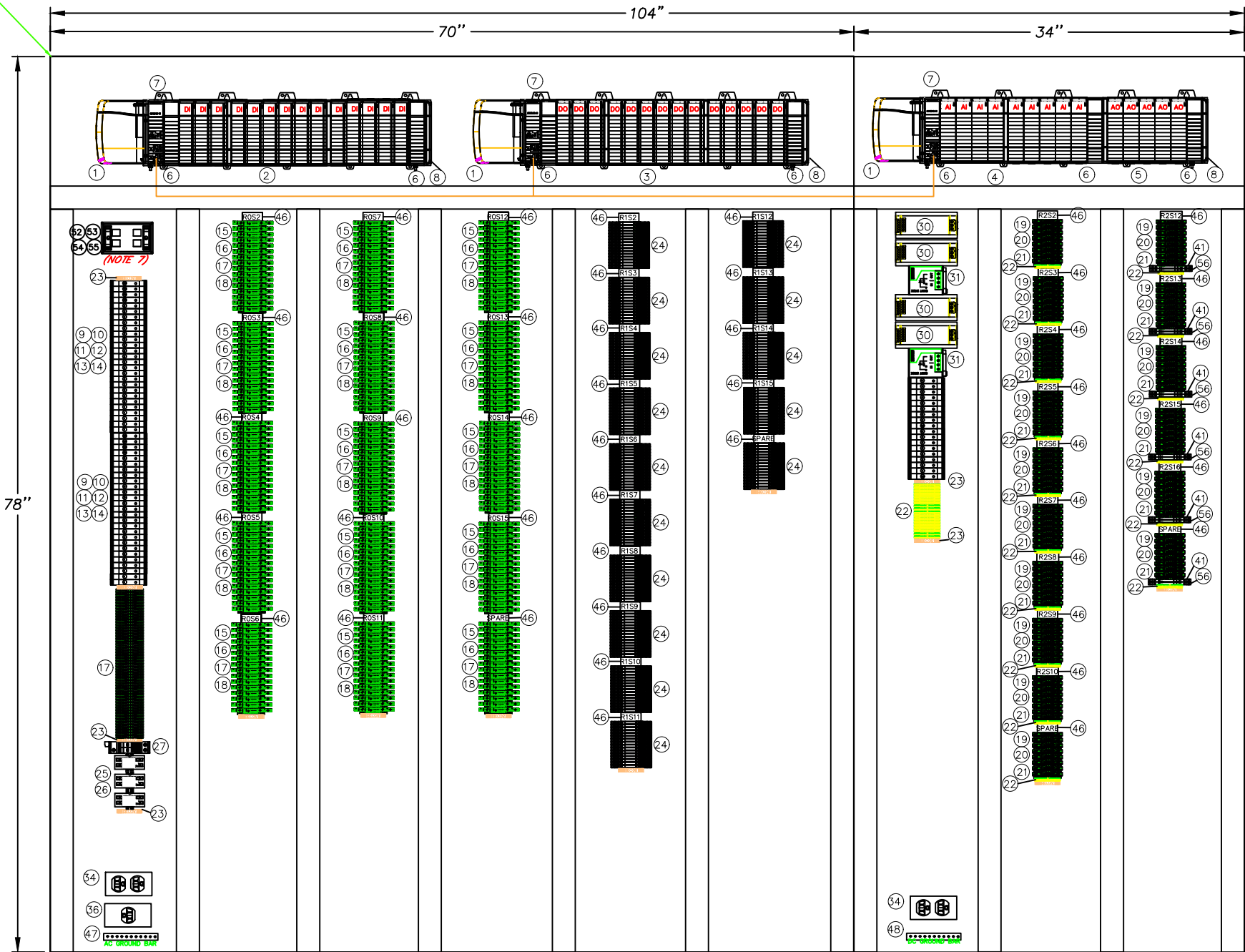
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Director, Water & Wastewater Treatment

Manager, Plant Capital & Engineering



TITLE			
REGIONAL MUNICIPALITY OF HALTON CONSULTANT PROJECT TITLE			
REMOTE I/O FREE STANDING PANEL - 3 RACK			
Consultant File NR		Regional Drawing NR	
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CONTRACT NR		Drawing NR 1304	
---		SHEET XX OF XX	



BACK PANEL VIEW

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 8. PANEL SIZING TO COMPLY WITH SECTION 3 OF THE SCADA STANDARDS

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

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TITLE REGIONAL MUNICIPALITY OF HALTON CONSULTANT PROJECT TITLE	
REMOTE I/O FREE STANDING CONTROL PANEL WITH 3 RACK - LAYOUT	
Consultant File NO	Regional Drawing NO
CONTRACT NO	Drawing NO 1305
	SHEET XX OF XX

BILL OF MATERIALS					
ITEM	PART NUMBER	SUPPLIER	LABEL	DESCRIPTION	QUANTITY
1	1756-PA75	ALLEN BRADLEY		CONTROLLOGIX POWER SUPPLY	3
2	1756-IA16I	ALLEN BRADLEY		CONTROLLOGIX 16-POINT AC DIGITAL INPUT CARD	14
3	1756-OA16I	ALLEN BRADLEY		CONTROLLOGIX 16-POINT AC DIGITAL OUTPUT CARD	14
4	1756-IF8IH	ALLEN BRADLEY		CONTROLLOGIX HART 8-POINT ANALOG INPUT CARD	9
5	1756-OF8IH	ALLEN BRADLEY		CONTROLLOGIX HART 8-POINT ANALOG OUTPUT CARD	5
6	1756-N2	ALLEN BRADLEY		CONTROLLOGIX SLOT FILLER	6
7	1756-EN2TR	ALLEN BRADLEY		CONTROLLOGIX ETHERNET CARD	3
8	1756-A17	ALLEN BRADLEY		CONTROLLOGIX 17-SLOT CHASSIS	3
9	9926251015	WEIDMULLER		SURGE PROTECTOR CIRCUIT BREAKER 1P 15A	1
10	9102003500	WEIDMULLER		CIRCUIT BREAKER 1P 15A	3
11	9101803500	WEIDMULLER		CIRCUIT BREAKER 1P 5A	4
12	9101703500	WEIDMULLER		CIRCUIT BREAKER 1P 3A	3
13	9101503500	WEIDMULLER		CIRCUIT BREAKER 1P 2A	11
14	9101203500	WEIDMULLER		CIRCUIT BREAKER 1P 1A	13
15	1162960000	WEIDMULLER		TERMINAL BLOCK, FUSED, 120Vac W/ TRIP INDICATION	240
16	1142990000	WEIDMULLER		END PLATE FOR ABOVE	240
17	1020100000	WEIDMULLER		TERMINAL BLOCK, FEED THROUGH, FOR DIO, NEUTRAL AND 0VDC TERMINALS	275
18	117960000	WEIDMULLER		END PLATE FOR ABOVE	AS REQ.
19	0687460000	WEIDMULLER		TERMINAL BLOCK, 2-TIER, KNIFE DISCONNECT	120
20	0687560000	WEIDMULLER		END PLATE FOR ABOVE	120
21	1020090000	WEIDMULLER		TERMINAL BLOCK, FEED THROUGH, GREEN	120
22	1010100000	WEIDMULLER		TERMINAL BLOCK, GROUND	11
23	1061200000	WEIDMULLER		END BRACKET FOR W SERIES TERMINALS	11
24	1123040000	WEIDMULLER		INTERPOSING RELAY, 120VAC COIL, 1 C/O CONTACT	240
25	700-HF32A14	ALLEN BRADLEY		CONTROL RELAY, 120VAC COIL, 2 C/O CONTACTS	4
26	700-HN116	ALLEN BRADLEY		RELAY BASE FOR ABOVE	4
27	2859563	PHOENIX		LINE SURGE SUPPRESSOR	1
28	95X1500	EATON		95X UPS 1500VA	1
29	RELAY-MS	EATON		RELAY CARD FOR ABOVE	1
30	2938581	PHOENIX		24VDC POWER SUPPLY	4
31	2938963	PHOENIX		24VDC POWER SUPPLY REDUNDANCY MODULE FOR ABOVE	2
32	FLKDS	HAMMOND		PANEL DOOR LIGHT SWITCH	2
33	FLK10LED	HAMMOND		PANEL LIGHT - LED 26"	2
34	918688	HUBBELL		DUPLEX RECEPTACLE	2
35	P-R62-F3R0	GRACE		PROGRAMMER PORT	1
36	337930	HUBBELL		SINGLE RECEPTACLE, UPS FEED, IVORY	1
37	1422MD420	HAMMOND		86.12"x112"x20.37" NEMA 12 MULTI-DOOR FREE STANDING ENCLOSURE	1
38	PKT1212	HAMMOND		DRAWING HOLDER	1
39	SP1801894	HAMMOND		LAPTOP SHELF, 22"	1
40	2865968	PHOENIX		SIGNAL ISOLATOR	6
41	9101903500	WEIDMULLER		CIRCUIT BREAKER 1P 10A	1
42	9101803500	WEIDMULLER		CIRCUIT BREAKER 1P 5A DC	1
43	9101703500	WEIDMULLER		CIRCUIT BREAKER 1P 3A DC	5
44	9101203500	WEIDMULLER		CIRCUIT BREAKER 1P 1A DC	2
45	9104183500	WEIDMULLER		CIRCUIT BREAKER 1P 1A DC - INTERPOSING RELAYS	1
46	292460000	WEIDMULLER		GROUP MARKER	46
47	PK15GTA	SQUARE-D		AC GROUND BAR	1
48	NSCH-1M	WEIDMULLER		ISOLATED DC GROUND BAR	1
49		PANDUIT		SLOTTED WIRE WAY, VARIOUS WIDTHS, 4" (100MM) DEEP	AS REQ.
50				MISC. COMPONENTS - DIN RAIL, GROUNDING, WIRE LABELS	AS REQ.
51	C0166S2-09F004	COMMSCOPE		PATCH CABLES	AS REQ.
52	IHD 1"	RED DOT		SINGLE GANG CAST ALUMINUM DEVICE BOX	1
53	760072207	COMMSCOPE		4-PORT STAINLESS STEEL FACEPLATE FOR OUTLET BOX	1
54	700206691	COMMSCOPE		CAT6 JACK MODULE (YELLOW)	4
55	107296642	COMMSCOPE		RJ45 JACK MODULE SNAP-IN ICON (WHITE)	4
56	C0166S2-09F004	COMMSCOPE		PATCH CABLES	AS REQ.
57	2864150	PHOENIX		NON-LOOP POWERED SIGNAL ISOLATOR	6

CONSULTANT TO UPDATE
PROJECT TITLE AND
DRAWING NAME

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No	Date	By	REVISIONS				MANU/CAD		
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TITLE REGIONAL MUNICIPALITY OF HALTON
CONSULTANT PROJECT TITLE

REMOTE I/O FREE STANDING
CONTROL PANEL WITH 3 RACK – BOM

Consultant File No. _____

Regional Drawing №
— — —

CONTRACT NO. _____

Drawing NO 1306
SHEET XX OF XX