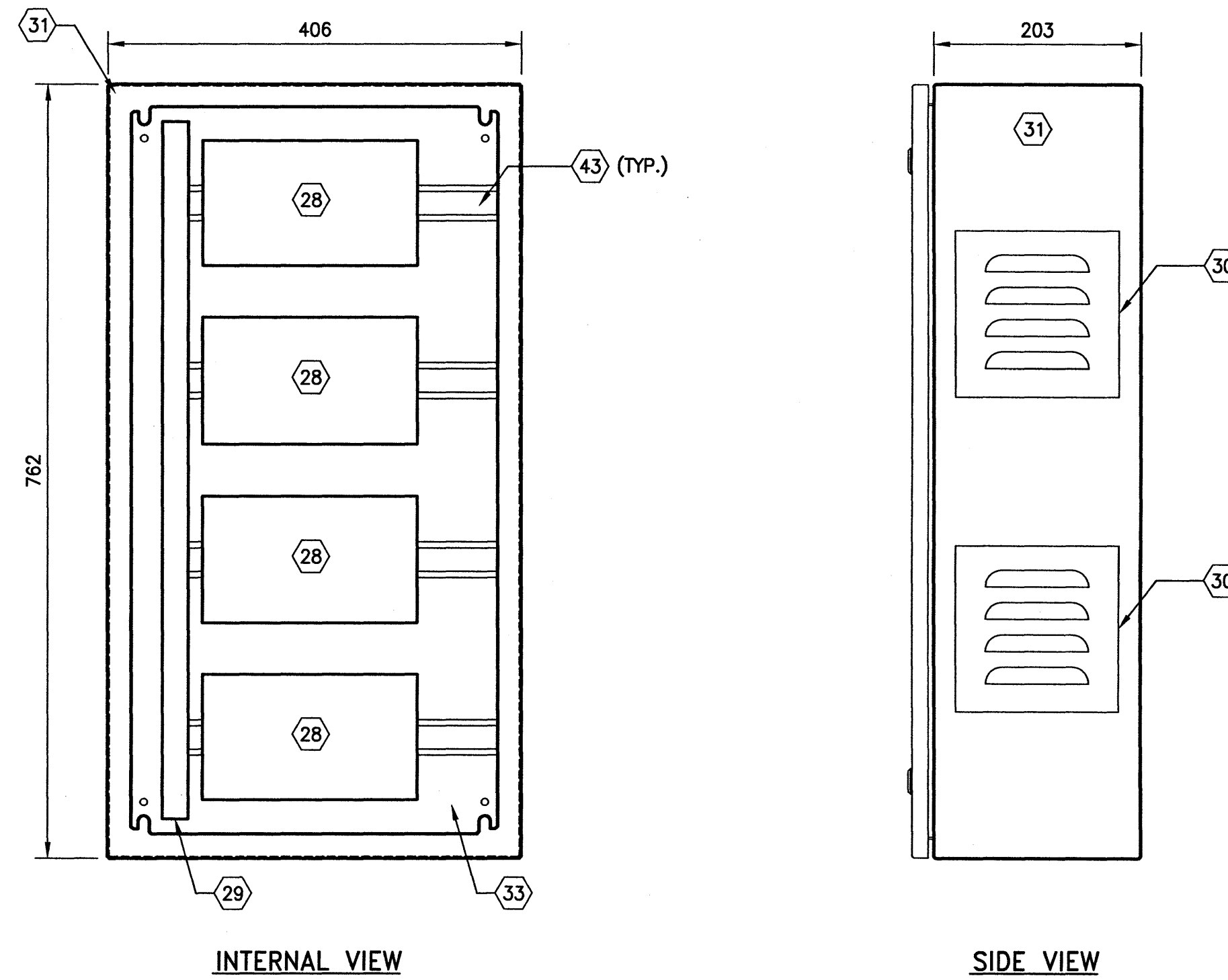


PLC AND UPS PANEL BILL OF MATERIALS

ITEM	QUANTITY	PART NUMBER	MANUFACTURER	DESCRIPTION	NOTES
1	1	BMXCPS3020	SCHNEIDER ELECTRIC	24VDC POWER SUPPLY MODULE	
2	1	BMXP342020	SCHNEIDER ELECTRIC	M340 CPU MODULE	
3	1	BMXNDE0100	SCHNEIDER ELECTRIC	ETHERNET MODBUS/TCP MODULE	
4	2	BMXDDI1602	SCHNEIDER ELECTRIC	DISCRETE INPUT MODULE	
5	1	BMXDRA0805	SCHNEIDER ELECTRIC	DISCRETE RELAY OUTPUT MODULE	
6	1	BMXXEM010	SCHNEIDER ELECTRIC	BLANK FILLER PLATE	
7	1	TCS ESU043F1N0	SCHNEIDER ELECTRIC	ETHERNET SWITCH WITH FIBRE OPTIC PORT	
8	1	TCS ESM083F23F1	SCHNEIDER ELECTRIC	ETHERNET SWITCH	
9	1	TCS EGP23F14F	SCHNEIDER ELECTRIC	PROFIBUS REMOTE MASTER MODULE	
10	AS REQUIRED	MC75X75IG2	PANDUIT	100mm x 75mm WIRING DUCT; GREY	
11	AS REQUIRED	MC50X75IG2	PANDUIT	50mm x 75mm WIRING DUCT; GREY	
12	1	BMXXBP0800	SCHNEIDER ELECTRIC	8 SLOT BACKPLANE	
13	1	MBCB-FB-GT	PEPPERL + FUCHS	PROFIBUS DP/PA COUPLER MOTHERBOARD	
14	1	HD2-GTB-2PA	PEPPERL + FUCHS	PROFIBUS DP/PA GATEWAY	
15	2	HD2-FBPS-1.25.360	PEPPERL + FUCHS	PROFIBUS DP/PA POWER SUPPLY	
16	1	ALF16D18B	HOFFMAN	FLUORESCENT LGHT PACKAGE	
17	1	BMXAMI0810	SCHNEIDER ELECTRIC	ANALOG INPUT MODULE	
18	1	BMXAMO0410	SCHNEIDER ELECTRIC	ANALOG OUTPUT MODULE	
19	1	XBTGT6330	SCHNEIDER ELECTRIC	MAGELIS HMI	
20	1	AASHLF1818	PENTAIR	UTILITY SHELF	
21	1	ADP1	PENTAIR	DATA POCKET	
22	AS REQUIRED	3046184	PHOENIX CONTACT	FEED THROUGH TERMINAL	
23	AS REQUIRED	3046142	PHOENIX CONTACT	FUSED TERMINAL	
24	AS REQUIRED	3046806	PHOENIX CONTACT	FUSED CONNECTOR	
25	AS REQUIRED	3046139	PHOENIX CONTACT	DISCONNECT TERMINAL	
26	1	SDN 20-24-100C	SOLA HD	AC/DC POWER SUPPLY	
27	1	SDU 20-24	SOLA HD	POWER MODULE	
28	4	SDU 24 BAT	SOLA HD	BATTERY MODULE	2
29	AS REQUIRED	MC25X25WH2	PANDUIT	25mm x 25mm WIRING DUCT	
30	2	1481L3R66SS	HAMMOND	LOUVERED VENT KIT	
31	1	EN4SD30168GY	HAMMOND	762mm X 406mm X 203mm ENCLOSURE	
32	1	A60H36DLP3PT	PENTAIR	1524mm x 914mm x 305mm ENCLOSURE	
33	1	EP3016	HAMMOND	ENCLOSURE PANEL	
34	AS REQUIRED	3044720	PHOENIX CONTACT	DOUBLE-LEVEL FUSED DISCONNECT	
35	5	BMX FTB2010	SCHNEIDER ELECTRIC	M340 20POINT MODULE TERMINAL BLOCK	
36	1	BMX FTB2800	SCHNEIDER ELECTRIC	M340 28POINT MODULE TERMINAL BLOCK	
37	4	PTF08A-E	OMRON	OMRON RELAY BACKPLANE	
38	4	LY1 DC24	OMRON	24VDC RELAY COIL WITH 120VAC CONTACTS	
39	1	R2-SP-N4	PEPPERL + FUCHS	SEGMENT PROTECTOR	
40	1	LY1 AC110/120	OMRON	120VAC RELAY COIL WITH 24VDC CONTACTS	
41	AS REQUIRED	1004348	PHOENIX CONTACT	TERMINAL BLOCK MARKER	
42	AS REQUIRED	3047141	PHOENIX CONTACT	TERMINAL END PLATE	
43	AS REQUIRED	1206421	PANDUIT	7.5mm x 35mm x 2000m PERFORATED DIN RAIL	1
44	AS REQUIRED	1201442	PHOENIX CONTACT	TERMINAL END CLAMP	
45	1	5600461	PHOENIX CONTACT	120VAC RECEPTACLE	
46	2	GRDBAR600	HAMMOND	GROUNDING BAR	
47	1	60101	SCHNEIDER ELECTIC	1A MINIATURE CIRCUIT BREAKER	
48	2	60103	SCHNEIDER ELECTIC	2A MINIATURE CIRCUIT BREAKER	
49	2	60106	SCHNEIDER ELECTIC	5A MINIATURE CIRCUIT BREAKER	



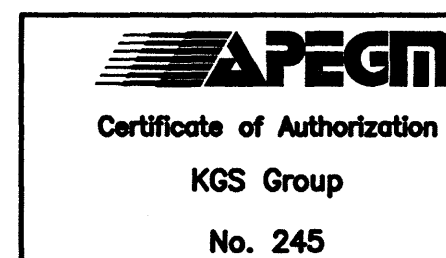
1 PSP-Z800 BATTERY ENCLOSURE
 100 0 100 200 300 400
 SCALE: 1:5mm (A1)

NOTES:

1. PROVIDE MOUNTING RAIL TO MAXIMUM AVAILABLE LENGTH.
2. UPS BATTERIES DESIGNED FOR ONE HOUR RUN TIME.
3. CORDSET TO BE PROVIDED LOOSE FOR CONNECTION BY OTHERS.

PLC AND UPS PANEL BILL OF MATERIALS (CONTINUED)

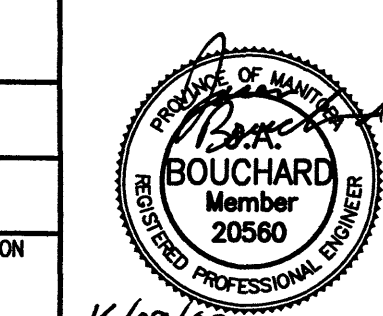
50	1	130013-0211	MOLEX	3-POLE FEMALE RECEPTACLE WITH 1m LEADS	
51	1	130201-1112	MOLEX	NYLON THREADED CAP WITH CHAIN	
52	1	130006-0542	MOLEX	3-POLE SINGLE-ENDED MALE CORDSET WITH 3.6m PIGTAIL	3
53	AS REQUIRED	MC25X75IG2	PANDUIT	25mm x 75mm WIRING DUCT; GREY	



B.M.	-
ELEV.	-
DESIGNED BY:	C. S. ROBINSON
CHECKED BY:	J.A. BOUCHARD
DRAWN BY:	J. P. DELEON
APPROVED BY:	J.A. BOUCHARD
SCALE:	AS NOTED
ISSUED FOR CONSTRUCTION BY:	
DATE:	2016/06/14
CONSULTANT NO.:	15-0107-019_E29
NO.	00
REVISIONS	
DATE	2016/09/02
DESIGN	CHK
CHECK	MS



ENGINEER'S SEAL



WEST END SEWAGE TREATMENT PLANT
 EFFLUENT MONITORING STATION
 UPS ENCLOSURE LAYOUT AND
 BILL OF MATERIALS
 PLC (CP-Z800) AND UPS (PSP-Z800)

CITY DRAWING NUMBER	1-0103-ACBD-Z002
SHEET	00
REV.	A1
SIZE	A1