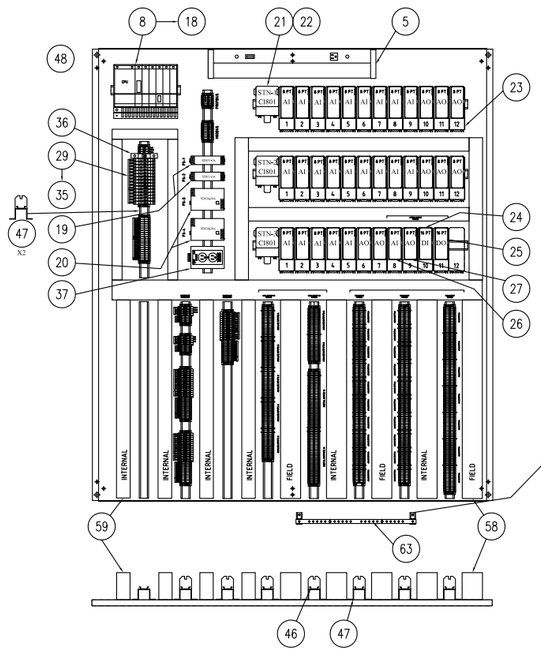
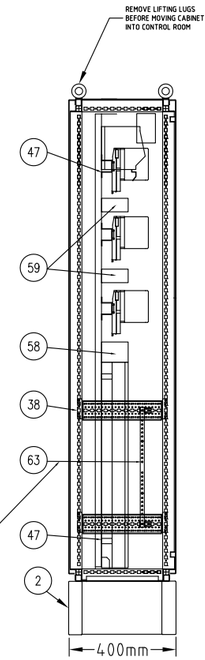
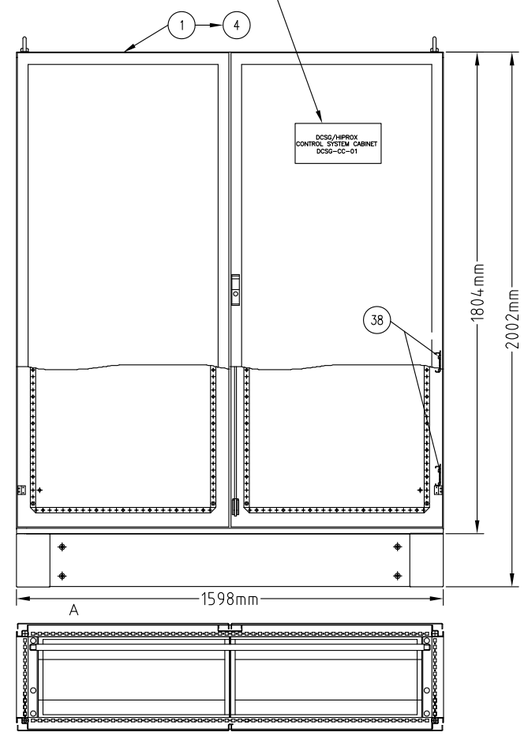
CABINET BACK PANEL DETAIL



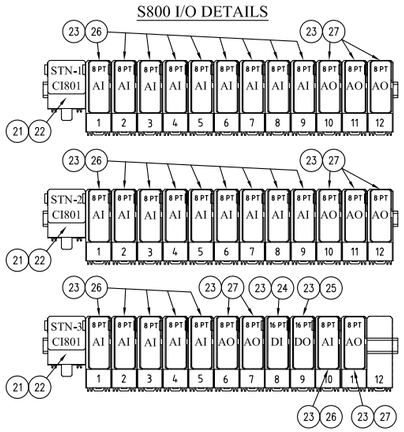




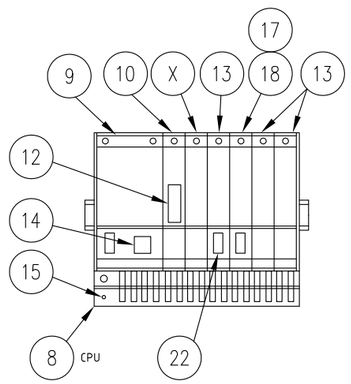
ITEM	QTY	MFR	DESCRIPTION	PART NO.
39	565	ENTRELEC	STANDARD TERMINAL BLOCK, M 4/6, WITH TEST 2mm TEST SOCKET	115 217.14
40	47	ENTRELEC	FUSED TERMINAL BLOCKM4/8.SF	115 657.25
41	23	ENTRELEC	TERMINAL BLOCKS, M 6/8	115 118.11
42	14	ENTRELEC	END SECTION, M4/6	118 368.16
43	5	ENTRELEC	END SECTION, M4/8.SF	116 951.15
44	28	ENTRELEC	END STOP (ALL RAILS)	206 351.16
45	57	ENTRELEC	SEPARATOR END SECTION, RAIL MOUNT, SCF6	118 707.03
46	9.5m	ENTRELEC	ASSEMBLY RAIL, PR30 (TS 35/F6), DIN 3, 35mm, 2 meter	173 220.05
47	16	ENTRELEC	RAIL OFFSET MTG BRACKET, TS0441-SM6 40mm HIGH	101 655.06
48	4	ENTRELEC	RAIL OFFSET MTG BRACKET, TS0441-SM6 20mm HIGH	101 653.04
49	6	ENTRELEC	COMB-TYPE JUMPER BAR, PC6, 10 POLE, 35A, (M 4/6)	113 548.26
50	6	ENTRELEC	COMB-TYPE JUMPER BAR, PC81, 10 POLE, 35A, (M 4/8.SF)	173 523.11
51	2	ENTRELEC	COMB-TYPE JUMPER BAR, PC81, 10 POLE, 50A, (M 6/8)	163 313.24
52	56	ENTRELEC	SHIELD CONNECTOR, CBM5, PKG OF 10	178 745.14
53	40	ENTRELEC	SM6 MTG BRACKET SCREWS	101 659.12
54		ENTRELEC	TERMINAL BLOCK BLANK MARKING TAGS, 6m SPACING, 10X10 PER CARD, VERTICAL PRINTED NUMBER RANGE (SEE ATTACHMENT FOR CUSTOM LABELS)	233 000.01
55		ENTRELEC	HORIZONTAL MARKER HOLDER, ATTACHED ACROSS END-STOP, PKG OF 10	163 211.26
56				
57		IBICO	WIRE DUCT, 4.0 x 4.0 IN., 4/PK, GRY, SLOTTED, 2M, WITH COVER	T1-4040G
58	5.1m	IBICO	WIRE DUCT, 3.0 x 4.0 IN., 4/PK, GRY, SLOTTED, 2M, WITH COVER	T1-3040G
59	4.4m	IBICO	WIRE DUCT, 2.25 x 4.0 IN., 4/PK, GRY, SLOTTED, 2M, WITH COVER	T1-2240G
60	1.3m	IBICO	WIRE DUCT, 1.5 x 4.0 IN., 4/PK, GRY, SLOTTED, 2M, WITH COVER	T1-1540G
61		IBICO	WIRE DUCT, 1.0 x 4.0 IN., 8/PK, GRY, SLOTTED, 2M, WITH COVER	T1-1040G
62				
63	1	RITTAL	GROUND BUS, COPPER, 20 GOUNDING CLIPS, 2 ISOLATORS	7113.000
64	10	RESISTOR	249 OHM, 1/2 WATT	
65				
66				

ITEM	QTY	MFR	DESCRIPTION	PART NO.
1	1	RITTAL	ES 5000 CABINET, 1800MM X 1600MM X 400MM (H W D) C/W MOUNTING PANEL.	5784.500
2	1	RITTAL	SO CABLE PLINTH FOR THE ABOVE ITEM, 200 MM HIGH	2906.200
3	1	RITTAL	SZ STANDARD HANDLE SYSTEM C/W KEY	2435.000
4	1	RITTAL	SZ PRINT POCKETS	2513.000
5	1	RITTAL	SZ STANDARD LIGHT UL, 60HZ, 120VAC, 14W, Ulc APPROVED, WITH INTERGRAL DOOR SWITCH	4138.250
7	1	BY NRCan	LAMACOID LABEL, 250mm X 150mm (W X H), ENGRAVED WITH 15mm HIGH TEXT AS INDICATED, BLACK LETTERING ON WHITE	
8	1	ABB	PM 803F, BASE UNIT 16 MB, BATTERY-BUFFERED RAM	3BDH000530R1
9	1	ABB	SA 811F, POWER SUPPLY 115/230 VAC	3BDH000013R1
10	1	ABB	EI 813F, ETHERNET MODULE 10BASET	3BDH000022R1
11	1	ABB	FI 830F, FIELDBUS MODULE, PROFIBUSDP	3BDH000032R1
12	1	ABB	AM 811F, BATTERY MODULE	3BDH000050R1
13	1	ABB	AM 895F, FRONT PANEL, 4 PCS	3BDH000044R1
14	1	ABB	TK 809F, SUPPLY CABLE 115/230 VAC, US PLUG, 2 M	3BDM000212R1
15	1	ABB	RY 885F, GROUNDING STRAP, 2 PCS.	3BDM000169R1
16	1	ABB	SB 808F, BATTERY FOR RAM BUFFERING, 2 PCS	3BDM000199R1
17	1	ABB	"TK 821F, SERIAL CABLE (2 CHANNEL), INTEGRAL CONNECTORS, 0.5 M, CONNECTION FI 820F TO TERMINAL BLOCK TB 870F"	3BDM000150R1
18	1	ABB	TB 870F, TERMINAL BLOCK, FOR SERIAL INTERFACE	3BDM000160R1
19	2	ABB	SD831 POWER SUPPLY DEVICE, INPUT A.C. 100?240 V OR D.C. 110?300 V. OUTPUT D.C. 24 V 3A.	3BSC610064R1
20	2	ABB	SD834 POWER SUPPLY DEVICE, INPUT A.C. 100-240 V OR D.C. 110-300 V. OUTPUT D.C. 24 V 20A	3BSC610067R1
21	3	ABB	"CI801-EA PROFIBUS DP-V1 COMMUNICATION INTERFACE INCLUDING: 1 PCE POWER SUPPLY CONNECTOR 1 PCE TB807 MODULEBUS TERMINATOR"	3BSE022366R2
22	4	EASYCONN	PBR PROFIBUS CONNECTOR, 90 DEG [PA003135]	VIPA972-0DP01
23	34	ABB	"TU810V1 COMPACT MODULE TERMINAL-ON UNIT, MTU, 50V 2X8 SIGNAL TERMINALS, RATED ISOL. 50V"	3BSE013230R1
24	1	ABB	"DI810-EA DIGITAL INPUT 24V D.C. 2X8 CH. RATED ISOLATON 50V."	3BSE008508R2
25	1	ABB	DO810-EA DIGITAL OUTPUT 24 V D.C. 2X8 CH 0.5A	3BSE008510R2
26	24	ABB	AI815-EA ANALOG INPUT 1X8 CH WITH HART, 0(4)..20MA, 0(1)..5V, 12BIT, SINGLE ENDED, 0.1%, RATED, ISOL. 50V	3BSE052604R2
27	8	ABB	AO810V2-EA ANALOG OUTPUT 1*8 CHANNELS, 0(4)...20MA 0(4)..20MA, 14BIT RLMAX 500/850 OHMS, RATED ISOL 50V	3BSE038415R2
28				
29	1	WEIDMULLER	CB4200 SERIES, SINGLE POLE,THERMAL MAGNETIC BREAKER, 250VAC, 1.0A	9101203500
30	10	WEIDMULLER	CB4200 SERIES, SINGLE POLE,THERMAL MAGNETIC BREAKER, 250VAC, 2.0A	9101503500
31	0	WEIDMULLER	CB4200 SERIES, SINGLE POLE,THERMAL MAGNETIC BREAKER, 250VAC, 3.0A	9101703500
32	3	WEIDMULLER	CB4200 SERIES, SINGLE POLE,THERMAL MAGNETIC BREAKER, 250VAC, 5.0A	9101803500
33	0	WEIDMULLER	CB4200 SERIES, SINGLE POLE,THERMAL MAGNETIC BREAKER, 250VAC, 10.0A	9101903500
34	3	WEIDMULLER	JUMPER, CQB 10 STRAIGHT, INSULATED, COMB 2/IP	9970590000
35	1	WEIDMULLER	MARKING TAGS, DEK 5/5, VERTICAL, NUMBERED 1-50	473560001
36	1	WEIDMULLER	CB4200 SERIES, SINGLE POLE, HYDRAULIC MAGNETIC, BRANCH RATED CIRCUIT BREAKER, 250VAC, 20.0A	9926251020
37	1	WEIDMULLER	RECEPTICAL, DIN RAIL MOUNT, 15A, DUPLEX, TYPE DRAC DP 15	6720005421
38	1	RITTAL	TS PUNCHED SECTIONS EXTERNAL SIDE OF CABINET, PACKAGE OF 4	8612.140

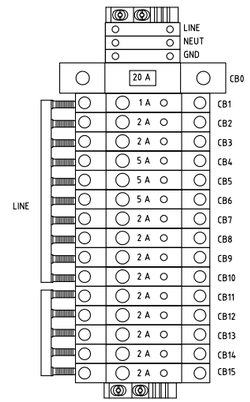
S800 I/O DETAILS



800F CPU DETAILS



AC POWER DISTRIBUTION



NOTES:
1. CONTRACTOR TO ENSURE SUFFICIENT GROUNDING HARDWARE AVAILABLE. NEW GROUNDING BUS TO BE MOUNTED AS REQUIRED.
2. LABEL TO BE MOUNTED ON CABINET EXTERIOR. LAMACOID LABEL, 250mm X 150mm (WXH), ENGRAVED WITH 15mm HIGH TEXT AS INDICATED, BLACK LETTERING ON WHITE

No	REVISION DESCRIPTION	DATE (Y/M/D)	DRAWN	CKD	APPD
1	ISSUE FOR TENDER	2017/03/24	RCM		
0	ISSUE FOR CLIENT REVIEW	2017/02/02	RCM		

REFERENCE DRAWINGS

REVISION REGISTER

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CLIENT
Natural Resources Canada / Ressources naturelles Canada
CANMET Energy Technology Center / Centre de la technologie de l'énergie de CANMET
Canada

DESIGNED: R. McNAIR
DRAWN: R. McNAIR
CHECKED:
APPROVED:
DATE: 2016/11/11
SCALE: NONE

PROJECT: NRCAN CANMET DCSG/HIPROX

TITLE: ELECTRICAL DCSG-HIPROX CONTROL SYSTEM CABINET ASSY DCSG-CC-01

USER	PROJECT	BUILDING	DRAWING	REV.
E	DCSG	BCC4	100	1