

Pour approbation
For approval
04/05/2018, 9:28:01 AM



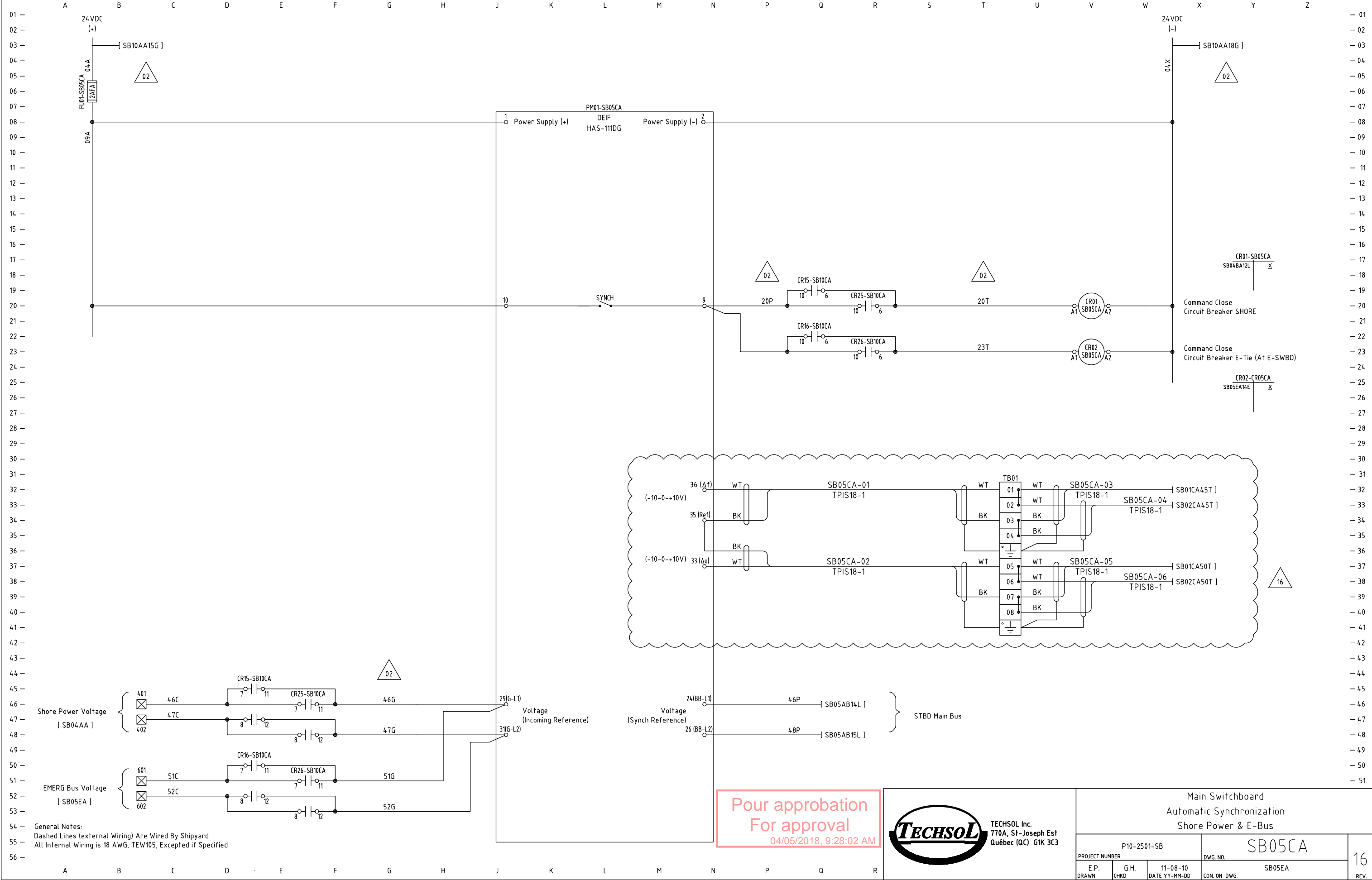
TECHSOL Inc.
770A, St-Joseph Est
Québec (QC) G1K 3C3

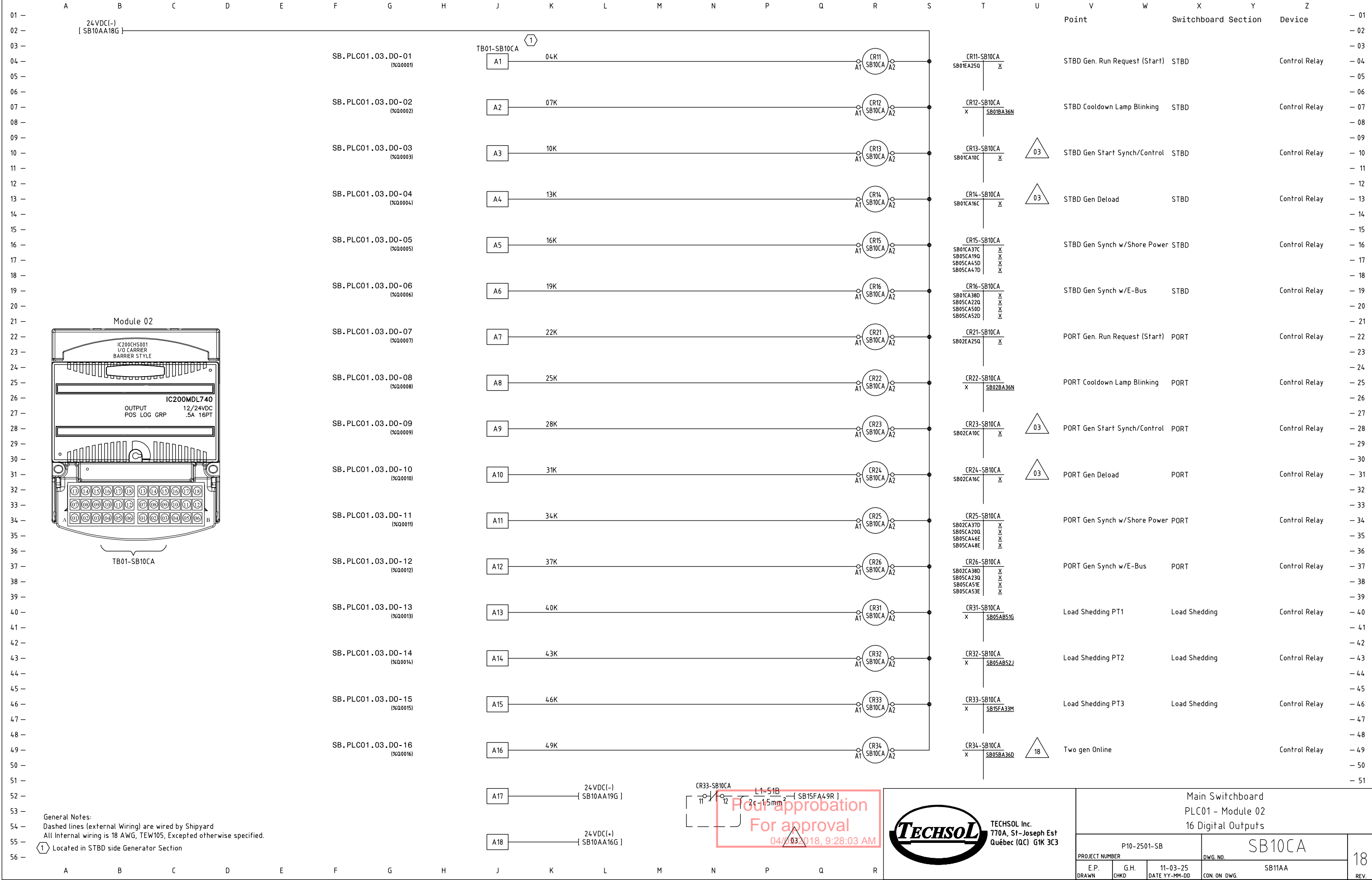
Main Switchboard PORT Generator Control			
PROJECT NUMBER P10-2501-SB		DWG. NO. SB02EA	
E.P. DRAWN	G.H. CHKD	11-03-25 DATE YY-MM-DD	CON. ON DWG. SB02FA
			17 REV.

NOTES:

1-)Due to the small space available on switchboard front & the proximity of generator instruments; the incoming source instruments have been omitted.

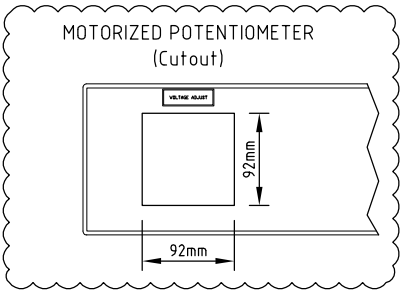
2-)The "FORCING" tab lever located on top of "CR01-SB05BA" Synchro-check auxiliary relay, can be used to BY-PASS a defective synchro-check relay for EMERGENCY purpose ONLY.





LIST OF MATERIAL					
Item	Manufacturer	Model number	Description	Item Identification	Nameplate Identification
1	Crompton	007-05GA-PZSM	Voltmeter 0-750V, red line at 600V	VM01-SB01AA	--
2	Crompton	007-05GA-PZSM	Voltmeter 0-750V, red line at 600V	VM01-SB04AA	--
3	Crompton	077-41LA-PNAN	Frequency meter 55-65Hz, red line at 60Hz	FM01-SB01AA	--
4	Crompton	077-218A-QQ	Wattmeter -25-225Kw, red line at 160Kw	WM01-SB01AA	--
5	Crompton	007-05FA-LSRS	Ammeter 0-250A, red line at 192A	AM01-SB01AA	--
6	ABB	ONV3PB	Voltmeter 3-ph. selector sw.	SS02-SB01AA	VOLTMETER
7	ABB	ONV3PB	Voltmeter 3-ph. selector sw.	SS02-SB04AA	VOLTMETER
8	ABB	ON8PBS21438	Ammeter 3-ph. selector sw.	SS01-SB01AA	AMMETER
9	ABB	ON8PBS21438	Ammeter 3-ph. selector sw.	SS01-SB04AA	AMMETER
10	ABB	ON2PBS21468	Generator duty selector switch	SS01-SB10BA	GEN DUTY
11	ABB	ML1-100Y+MCBH00+KA2-2023	Pilot light YELLOW, 24Vdc	PL02-SB01BA	POWER AVAILABLE
11A	Phoenix Cont.	--	Compartment ID plate	--	BLINK WHEN COOLDOWN
12	ABB	ML1-100Y+MCBH00+KA2-2023	Pilot light YELLOW, 24Vdc	PL01-SB04BB	POWER AVAILABLE
13	ABB	ML1-100B+MCBH00+KA2-2024	Pilot light BLUE, 24 Vdc	PL04-SB01BA	BREAKER OPENED
14	ABB	ML1-100B+MCBH00+KA2-2024	Pilot light BLUE, 24 Vdc	PL05-SB04BB	PH. INV. ENGAGED
15	ABB	ML1-100B+MCBH00+KA2-2024	Pilot light BLUE, 24 Vdc	PL03-SB04BB	BREAKER OPENED
16	ABB	ML1-100G+MCBH00+KA2-2022	Pilot light GREEN, 24Vdc	PL03-SB01BA	BREAKER CLOSED
17	ABB	ML1-100G+MCBH00+KA2-2022	Pilot light GREEN, 24Vdc	PL02-SB04BB	BREAKER CLOSED
18	ABB	MP1-11R+MCBH00+KA2-2021+MCB-10	Illuminated push button, RED, 24Vdc, 1xN.O.	PL05-SB01BA PB01-SB01BA	BREAKER TRIPPED
19	ABB	MP1-11R+MCBH00+KA2-2021+MCB-10	Illuminated push button, RED, 24Vdc, 1xN.O.	PL06-SB01BA PB01-SB01CA	REVERSE POWER RESET
20	ABB	MP1-11R+MCBH00+KA2-2021+MCB-10	Illuminated push button, RED, 24Vdc, 1xN.O.	PL04-SB04BB PB01-SB04BA	BREAKER TRIPPED
21	ABB	MPMP3-11R+MCBH00+KA2-2021+MCB-10	Illuminated emergency stop, RED, 24Vdc, 1xN.O.	PL01-SB01BA PB01-SB01EA	EMERGENCY STOP PULL TO STOP
22	Crompton	007-05FA-LSRS	Ammeter 0-250A, red line at 200A	AM01-SB04AA	--
23	Ge Fanuc	IC754VSL06CTD-QN	Color display control panel	--	--
24	ESTAMPE-RAY	--	Lamicaid Black	--	SHORE POWER
48	Selco	E7800-2406	10k Motorized Potentiometer 10 Turn	MD01-SB01EA	VOLTAGE ADJUST

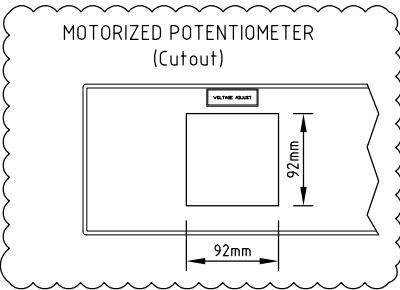
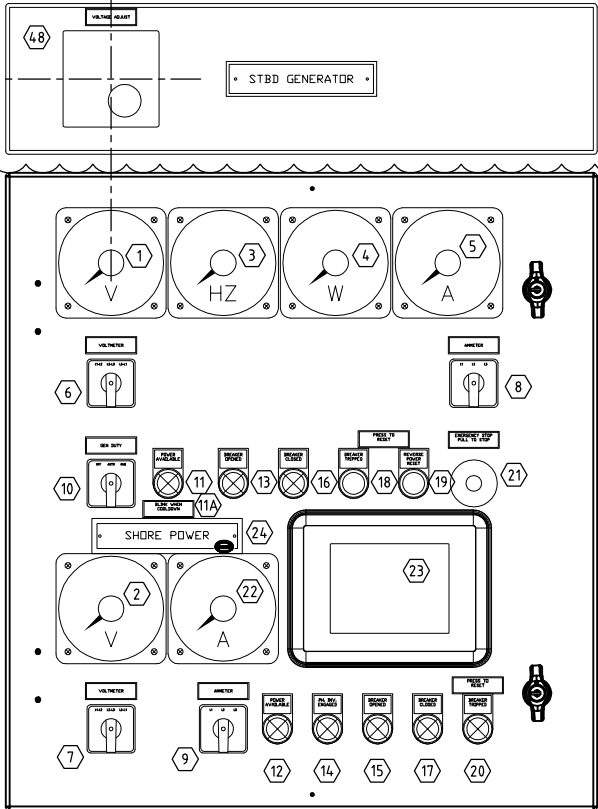
LIST OF MATERIAL					
Item	Manufacturer	Model number	Description	Item Identification	Nameplate Identification
25	Crompton	007-05GA-PZSM	Voltmeter 0-750V, red line at 600V	VM01-SB05BA	--
26	Crompton	077-41LA-PNAN	Frequency meter 55-65Hz, red line at 60Hz	FM01-SB02AA	--
27	Crompton	077-41LA-PNAN	Frequency meter 55-65Hz, red line at 60Hz	FM01-SB05BA	--
28	Crompton	077-218A-QQ	Wattmeter -25/0/225Kw, red line at 160Kw	WM01-SB02AA	--
29	Crompton	007-05FA-LSRS	Ammeter 0-250A, red line at 192A	AM01-SB02AA	--
30	ABB	ONV3PB	Voltmeter 3-ph. selector sw.	SS02-SB02AA	VOLTMETER
31	ABB	ON8PBS21438	Ammeter 3-ph. selector sw.	SS01-SB02AA	AMMETER
32	ABB	ON2PBS21468	Control selector sw.	SS02-SB10BA	GEN DUTY
33	ABB	ML1-100Y+MCBH00+KA2-2023	Pilot light YELLOW, 24Vdc	PL02-SB02BA	POWER AVAILABLE
33A	Phoenix Cont.	--	Compartment ID plate	--	BLINK WHEN COOLDOWN
34	ABB	ML1-100B+MCBH00+KA2-2024	Pilot light BLUE, 24 Vdc	PL04-SB02BA	BREAKER OPENED
35	ABB	ML1-100G+MCBH00+KA2-2022	Pilot light GREEN, 24Vdc	PL03-SB02BA	BREAKER CLOSED
36	ABB	MP1-11R+MCBH00+KA2-2021+MCB-10	Illuminated push button, RED, 24Vdc, 1xN.O.	PL05-SB02BA PB01-SB02BA	BREAKER TRIPPED
37	ABB	MP1-11R+MCBH00+KA2-2021+MCB-10	Illuminated push button, RED, 24Vdc, 1xN.O.	PL06-SB02BA PB01-SB02CA	REVERSE POWER RESET
38	ABB	MPMP3-11R+MCBH00+KA2-2021+MCB-10	Illuminated emergency stop, RED, 24Vdc, 1xN.O.	PL01-SB02BA PB01-SB02EA	EMERGENCY STOP PULL TO STOP
39	Crompton	077-14HU-POYY-FQ	Synchroscope, LED 360 deg. + check relay	PM01-SB05BA	--
40	ABB	ML1-100C+MCBH00+MLB-1+BULB (120V)	Synchro. lamps CLEAR, 120 Vac	PL02-SB05BA	SYNCHRONIZATION LAMPS
41	ABB	ML1-100C+MCBH00+MLB-1+BULB (120V)	Synchro. lamps CLEAR, 120 Vac	PL01-SB05BA	SYNCHRONIZATION LAMPS
42	ABB	ON18PBS24371	Custom control selector switch	SS01-SB05BA	INCOMING
43	ABB	ON14PBS25396	Custom control selector switch	SS02-SB05BA	CONTROL MODE
44	ABB	ONURR5PB + ONF101-TEXT21705	Control selector sw.	SS03-SB05BA	BREAKER
45	ABB	ONURR2PB + ONF101-TEXT21542	Control selector sw.	SS04-SB05BA	SPEED TRIM
46	Crompton	007-05GA-PZSM	Voltmeter 0-750V, red line at 600V	VM01-SB02AA	--
47	ESTAMPE-RAY	--	Lamicaid Black	--	SYNCHRONIZATION
49	Selco	E7800-2406	10k Motorized Potentiometer 10 Turn	MD01-SB02EA	VOLTAGE ADJUST



MOTORIZED POTENTIOMETER
(Installed above the door)

CENTER

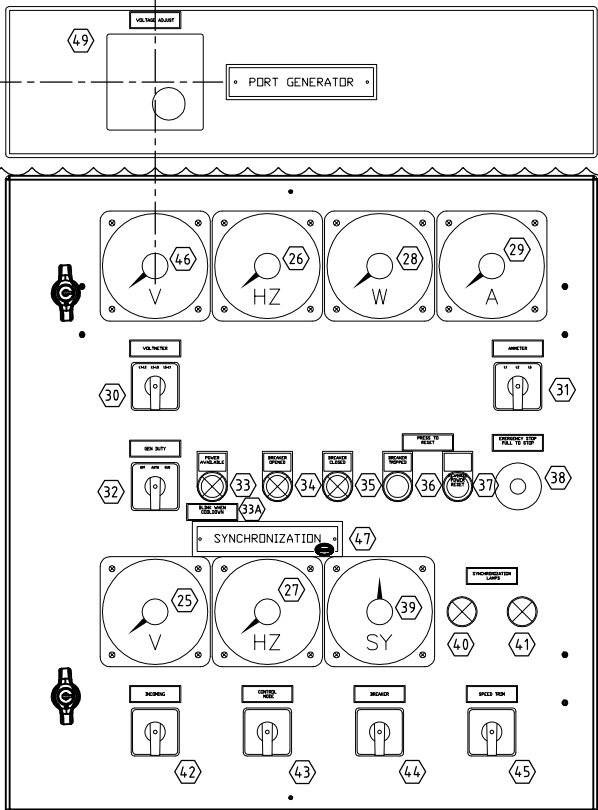
STARBOARD SIDE DOOR
(Left hand side)



MOTORIZED POTENTIOMETER
(Installed above the door)

CENTER

PORT SIDE DOOR
(Right hand side)



Pour approbation
For approval
04/05/2018, 9:28:03 AM



TECHSOL Inc.
770A, St-Joseph Est
Québec (QC) G1K 3C3

Main Switchboard
Mechanical Layout
Generator Controls Door Layout

PROJECT NUMBER
P10-2501-SB

A.M.C.
DRAWN

Mi.G.
CHKD

11-03-24
DATE YY-MM-DD

DWG. NO.

CON. ON DWG.

SBZZAB

SBZZAC

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REV.