

KOHLER[®] POWER SYSTEMS

SGP-1297 ARMED FORCES RETIREMENT

SERIAL NUMBER

ES-90494
ES-90465
ES-90466

ITEM

CNTRL
SWGR
STATION BATTERY, 125V (kp KIT)

PROJECT TITLE SHEETS	REV. C	SHEET NO.
PROJECT SUMMARY		T1
LEGEND		T2

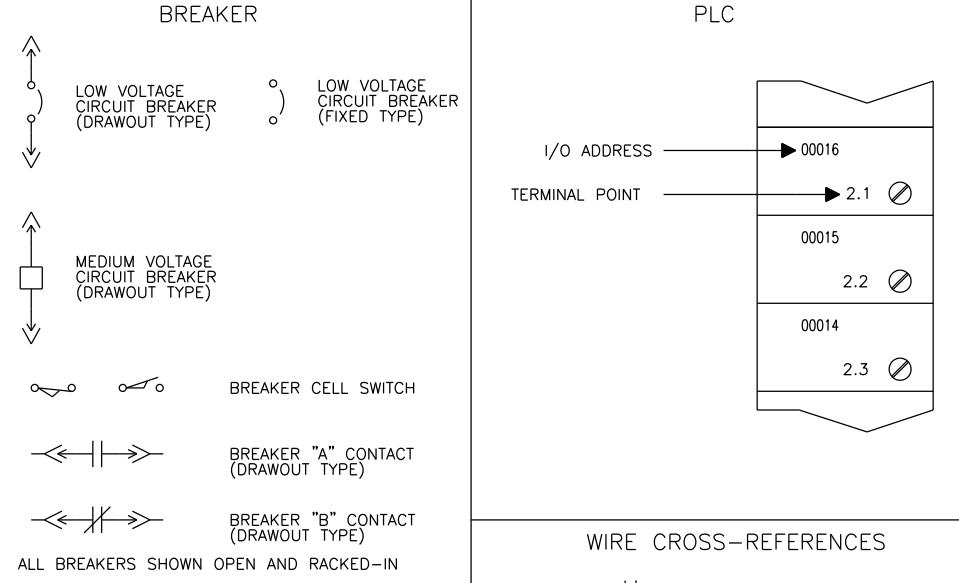
PROJECT TITLE SHEETS	REV. A	SHEET NO.
DIMENSION PRINT, STRUCTURE/BREAKER DATA		G1

MECHANICAL SHEETS	REV. A	SHEET NO.
DIMENSION PRINT, OUTLINE DRAWING		M1 – M5

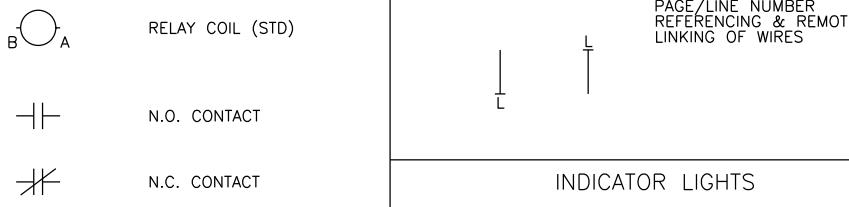
ELECTRICAL SHEETS	REV. C	SHEET NO.
SINGLE LINE		E1
A.C. SCHEMATIC		E2 – E7
A.C. SCHEMATIC, BUS DIFFERENTIAL		E8
D.C. SCHEMATIC, 125VDC PWR DIST		E9
D.C./C.B. SCHEMATIC, GEN 1 & 2		E10 – E19
D.C. SCHEMATIC, SYSTEM CONTROL		E20 – E23
BUS DIFFERENTIAL, MISC REF.		E24
C.B. SCHEMATIC, UTILITY BREAKER		E25
C.B. SCHEMATIC, TIE BREAKER		E26 – E27
C.B. SCHEMATIC, FEEDER BREAKER		E28 – E29
D.C. SCHEMATIC, MISC CONNECTIONS		E30
D.C. SCHEMATIC, COMMUNICATIONS		E31
CUSTOMER INTERCONNECT, BLOCK DIAGRAM		E32
PANEL LAYOUT & WIRE DIAGRAM, SWGR – SECT 1		E33 – E38
PANEL LAYOUT & WIRE DIAGRAM, SWGR – SECT 2		E39 – E41
PANEL LAYOUT & WIRE DIAGRAM, SWGR – SECT 3		E42 – E48
PANEL LAYOUT & WIRE DIAGRAM, SWGR – SECT 4		E49 – E52
PANEL LAYOUT & WIRE DIAGRAM, SWGR – SECT 5		E53 – E58
PANEL LAYOUT & WIRE DIAGRAM, SWGR – SECT 6		E59 – E64
PANEL LAYOUT & WIRE DIAGRAM, CTRL – SECT 1		E65 – E83
CUBICLE & LINE-UP INTERCONNECTS		E84 – E88
CUSTOMER INTERCONNECTS		E89 – E92

CAE GENERATED DRAWING			PROJECT NO.: SGP-1297	KOHLER CO.	
REV	DATE	REVISION	PROJECT NAME: ARMED FORCES RETIREMENT	POWER SYSTEMS, KOHLER, WI 53044 U.S.A. THIS DRAWING, IN DESIGN AND DETAIL, IS KOHLER CO. PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH KOHLER CO. WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	
-	11-7-08	NEW DRAWING – FOR SUBMITTAL [86663]	DMR	ES NO.:	ITEM
A	5-28-09	REVISED – FOR MANUFACTURING [87742]	JXH	APPROVALS	DATE
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	DRAWN	DMR
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	CHECKED	APF
				APPROVED	MEP
SECTION/FUNCTION			SCALE	CAD NO.	SHEET 1 OF 2
			PLOTTED	DWG. NO.	SGP-1297 D

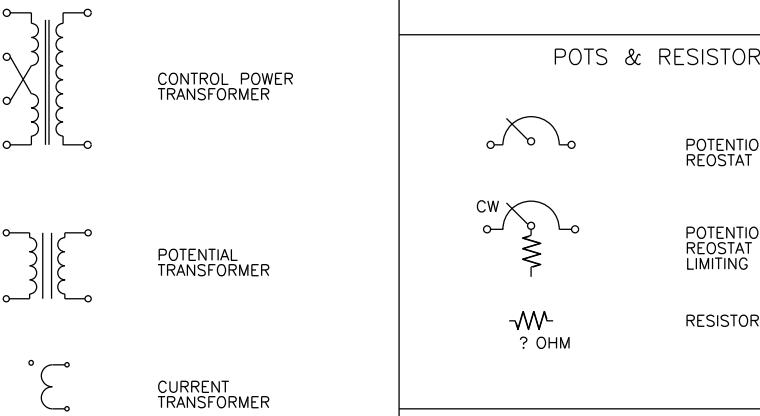
COMMONLY USED SCHEMATIC SYMBOLS



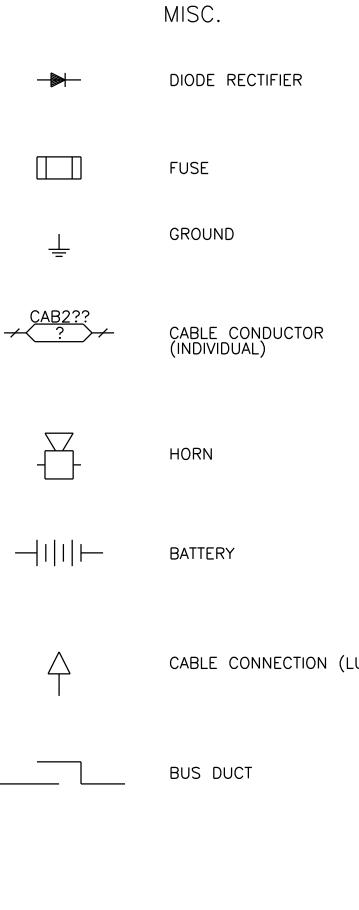
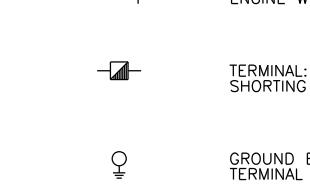
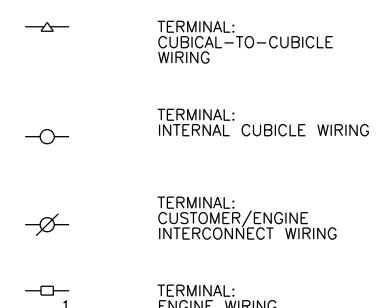
RELAY COILS & MISC. CONTACTS



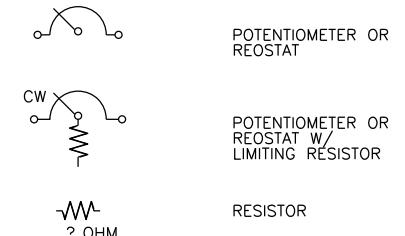
TRANSFORMERS



TERMINALS



POTS & RESISTORS



PUSHBUTTONS



TIMER CONTACTS

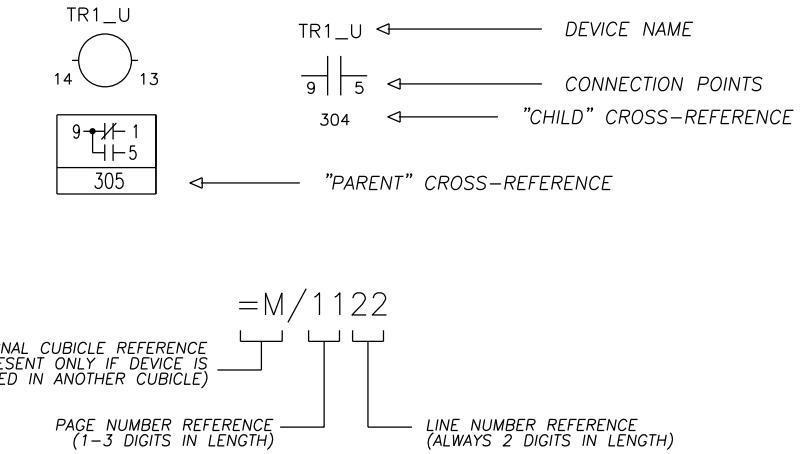


COMMONLY USED DEVICE ID ABBREVIATIONS

25	SYNCHRONIZER
25C	SYNCH CHECK RELAY
27	UNDERVOLTAGE RELAY
32	REVERSE POWER RELAY
40	LOSS OF EXCITATION RELAY
46	NEGATIVE SEQUENCE - CURRENT
47	NEGATIVE SEQUENCE - VOLTAGE
50	INSTANTANEOUS OVERCURRENT RELAY
51	TIMED OVERCURRENT RELAY
52G(x)	GENERATOR CIRCUIT BREAKER
52F(x)	FEEDER CIRCUIT BREAKER
52U(x)	UTILITY CIRCUIT BREAKER
52T(x)	TIE CIRCUIT BREAKER
59	OVERVOLTAGE RELAY
810	OVERFREQUENCY RELAY
81U	UNDERFREQUENCY RELAY
86	LOCK-OUT RELAY
87	DIFFERENTIAL RELAY
A	AMMETER
AF	AMP FRAME
AL	AMBER LIGHT
AP	AMP PLUG
AS	AMMETER SWITCH
CBS	CIRCUIT BREAKER CONTROL SWITCH
CR	CIRCUIT BREAKER CLOSE RELAY
CT(x)	CURRENT TRANSFORMER
DB(x)	DIODE BLOCK
DCC(x)	DC-DC CONVERTER
ECS	ENGINE CONTROL SWITCH
ERL	ENGINE RUNNING LIGHT
ERR	ENGINE RUNNING RELAY
ERST	ENGINE RESET RELAY
ESD	ENGINE SHUT DOWN RELAY
ESR	ENGINE START RELAY
ESTP	EMERGENCY STOP
F	FREQUENCY METER
FPR	FEEDER PROTECTION RELAY
G(x)	GENERATOR
FU(x)	FUSE BLOCK
GFA	GROUND FAULT ALARM RELAY
GL	GREEN (BREAKER OPEN) LIGHT
GND	GROUND
GPR	GENERATOR PROTECTION RELAY
HMI	HUMAN-MACHINE INTERFACE (TOUCHSCREEN)
HR	HORN RELAY
HSR	HORN SILENCE RELAY
HS	HORN SILENCE PUSH BUTTON
IPR	INTERTIE PROTECTION RELAY
LC	LOAD CONTROLLER
LCB	GENERATOR LINE CIRCUIT BREAKER
LS(x)	LOAD SHED RELAY
MOC	MOTOR-OPERATED CONTACT
PIP	PERIPHERAL INTERFACE PORT
PLC	PROGRAMMABLE LOGIC CONTROLLER
PM	POWER MONITOR
PT(x)	POTENTIAL TRANSFORMER
PTX	POWER TRANSDUCER
RL	RED (BREAKER CLOSED) LIGHT
SER	SYNCH ENABLE RELAY
SIG_ISO	SIGNAL ISOLATOR
STB	SHORTING TERMINAL BLOCK
TOC	TRUCK-OPERATED CONTACT
TR	CIRCUIT BREAKER TRIP RELAY
TS	TEST SWITCH
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UPR	UTILITY PROTECTION RELAY
V	VOLTMETER
VLR	VOLTAGE LOWER RELAY
VRR	VOLTAGE RAISE RELAY
VR	VOLTAGE REGULATOR
VS	VOLTMETER SWITCH
W	WATTMETER
WL	WHITE LIGHT

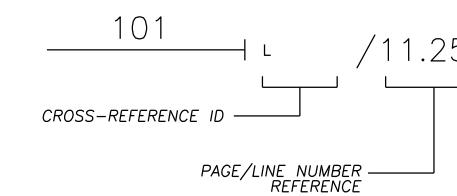
(x) = NUMERICAL DESIGNATION

HOW TO READ DEVICES (TYP.)



EXAMPLE: THE ABOVE DEVICE CROSS-REFERENCES TO ANOTHER DEVICE ON PAGE 11, LINE 22

HOW TO READ WIRING CROSS-REFERENCES (TYP.)



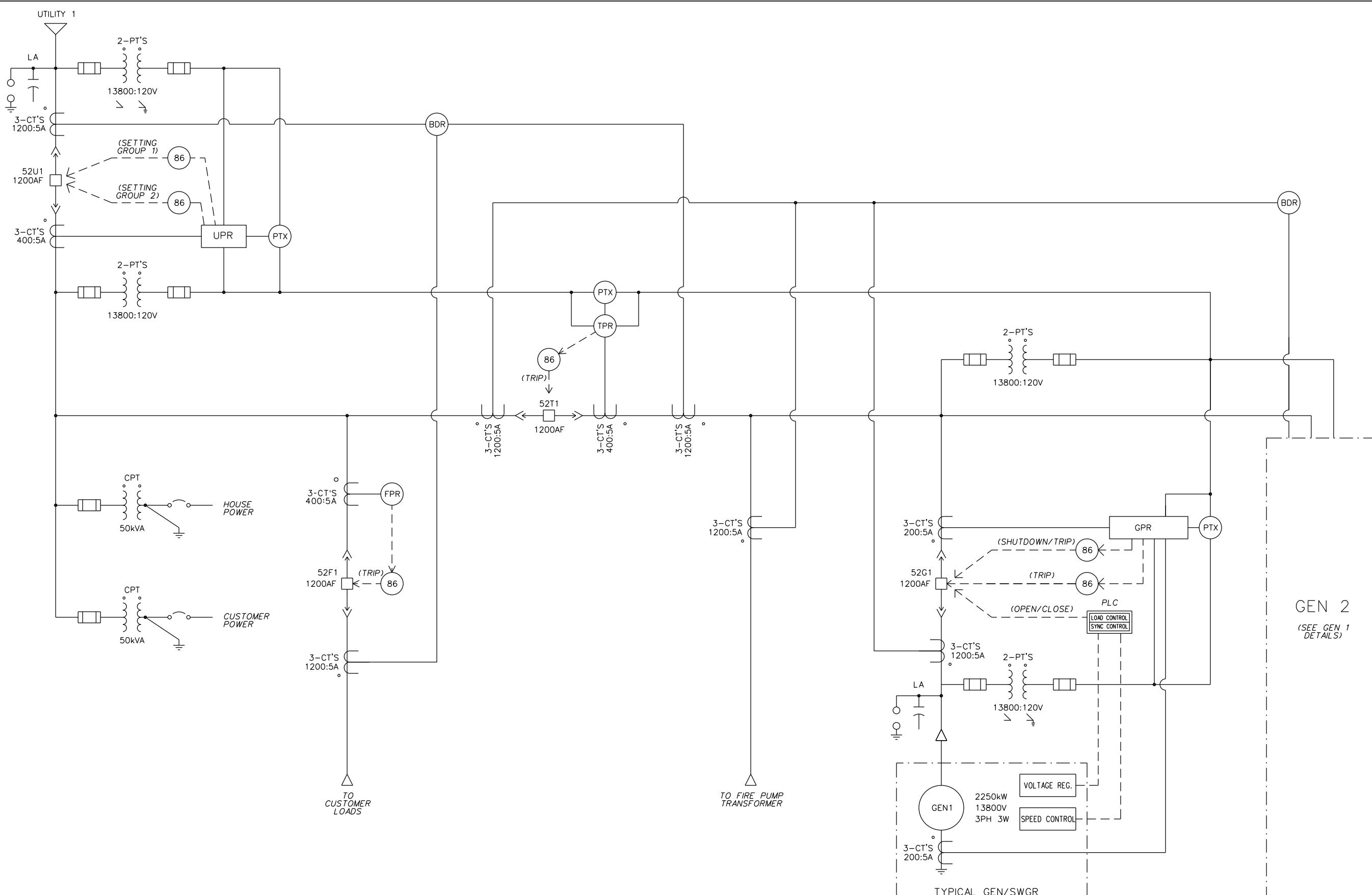
EXAMPLE: THE ABOVE CIRCUIT WIRE #101 CONTINUES ON PAGE 11, LINE 25

CAE GENERATED DRAWING			PROJECT NO.: SGP-1297	
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO.: ITEM
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	APPROVALS DATE
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	CLM DRAWN DMR 11-7-08
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	APPROVED	CHECKED APF 11-7-08
			APPROVED	MEP 11-7-08
SECTION/FUNCTION			SCALE	CAD NO.
			PLOTTED	DWG. NO.

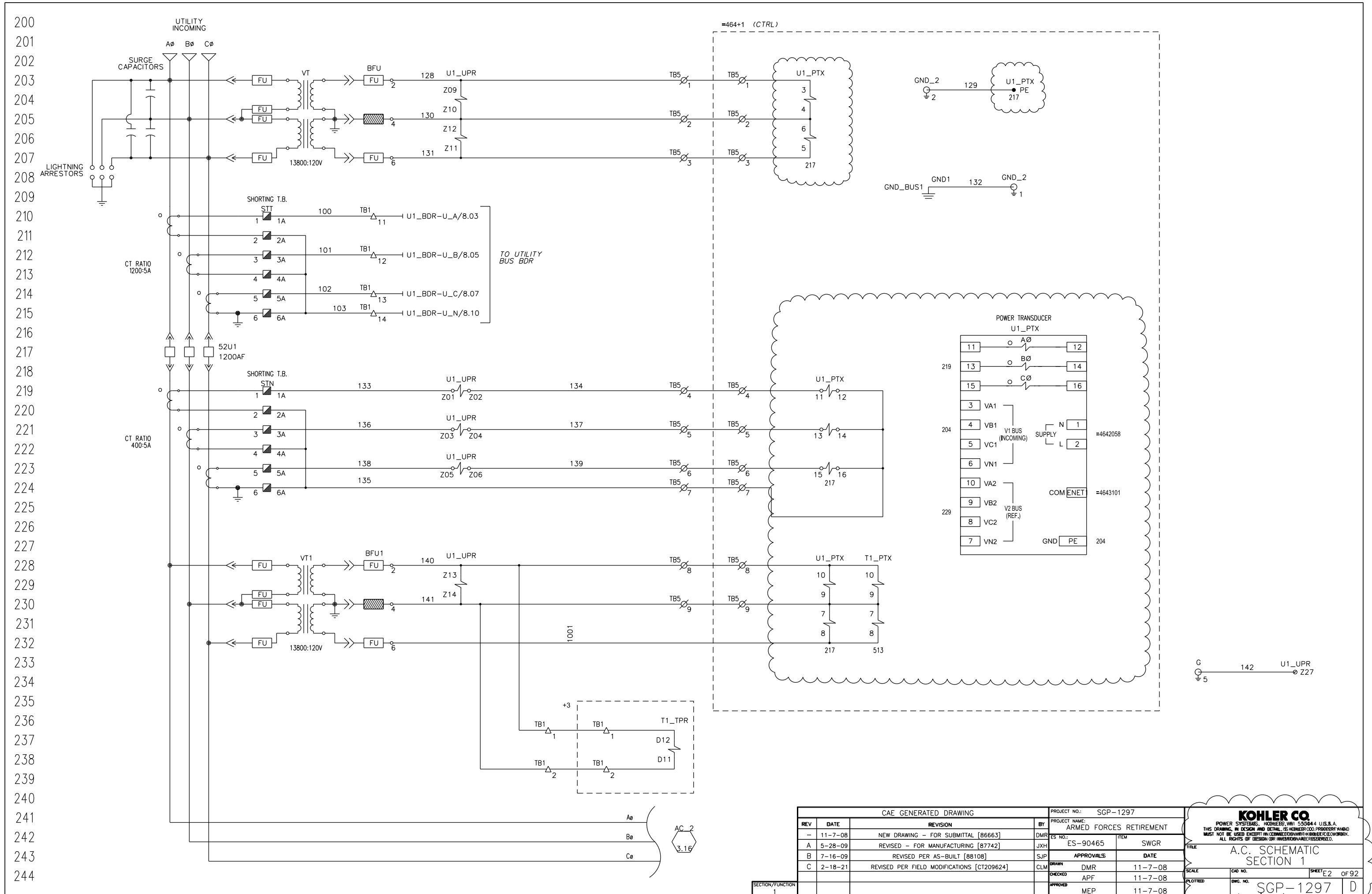
LEGEND

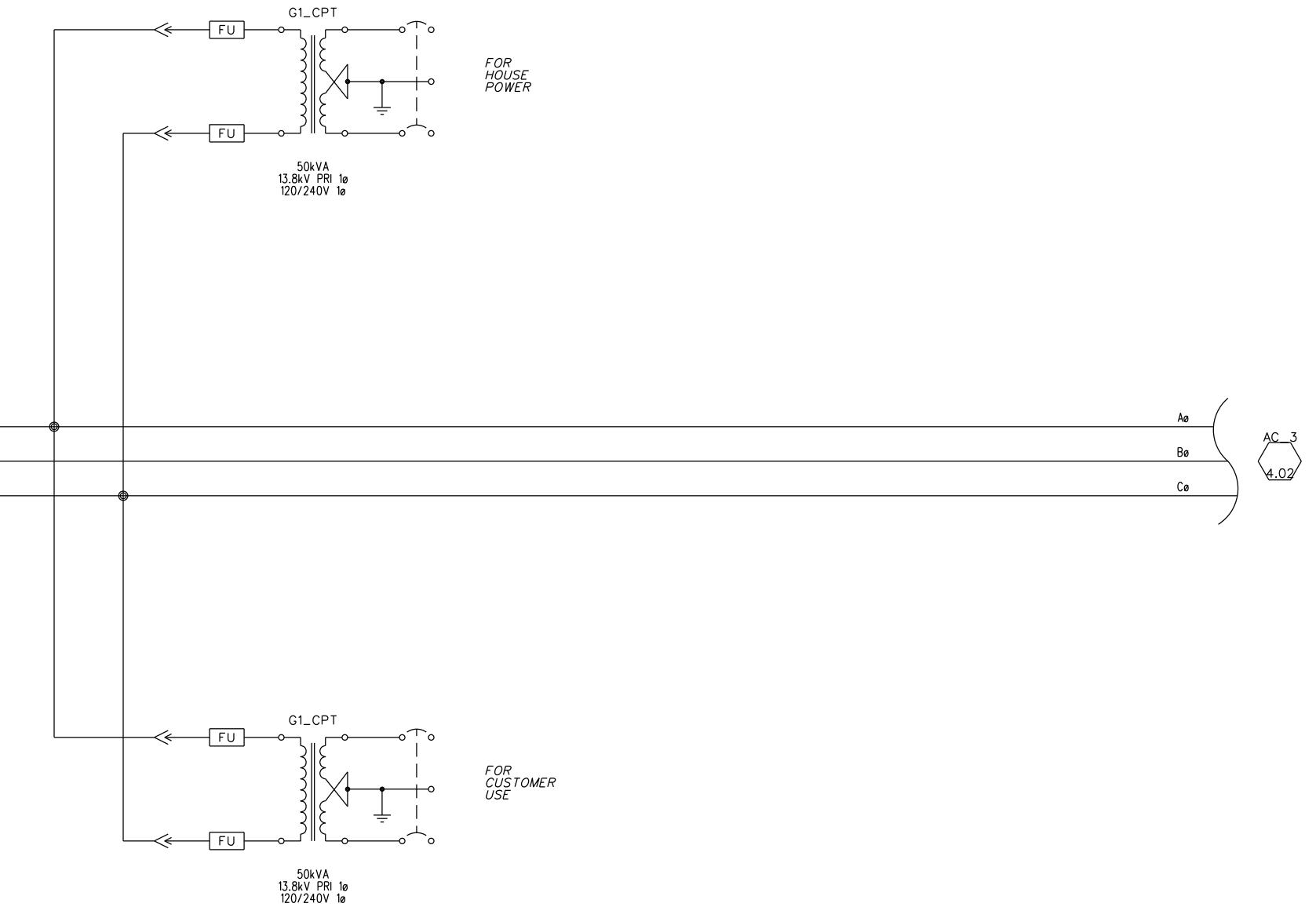
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POWER SYSTEMS, KOHLER, WI 53044 U.S.A.
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SGP-1297 D

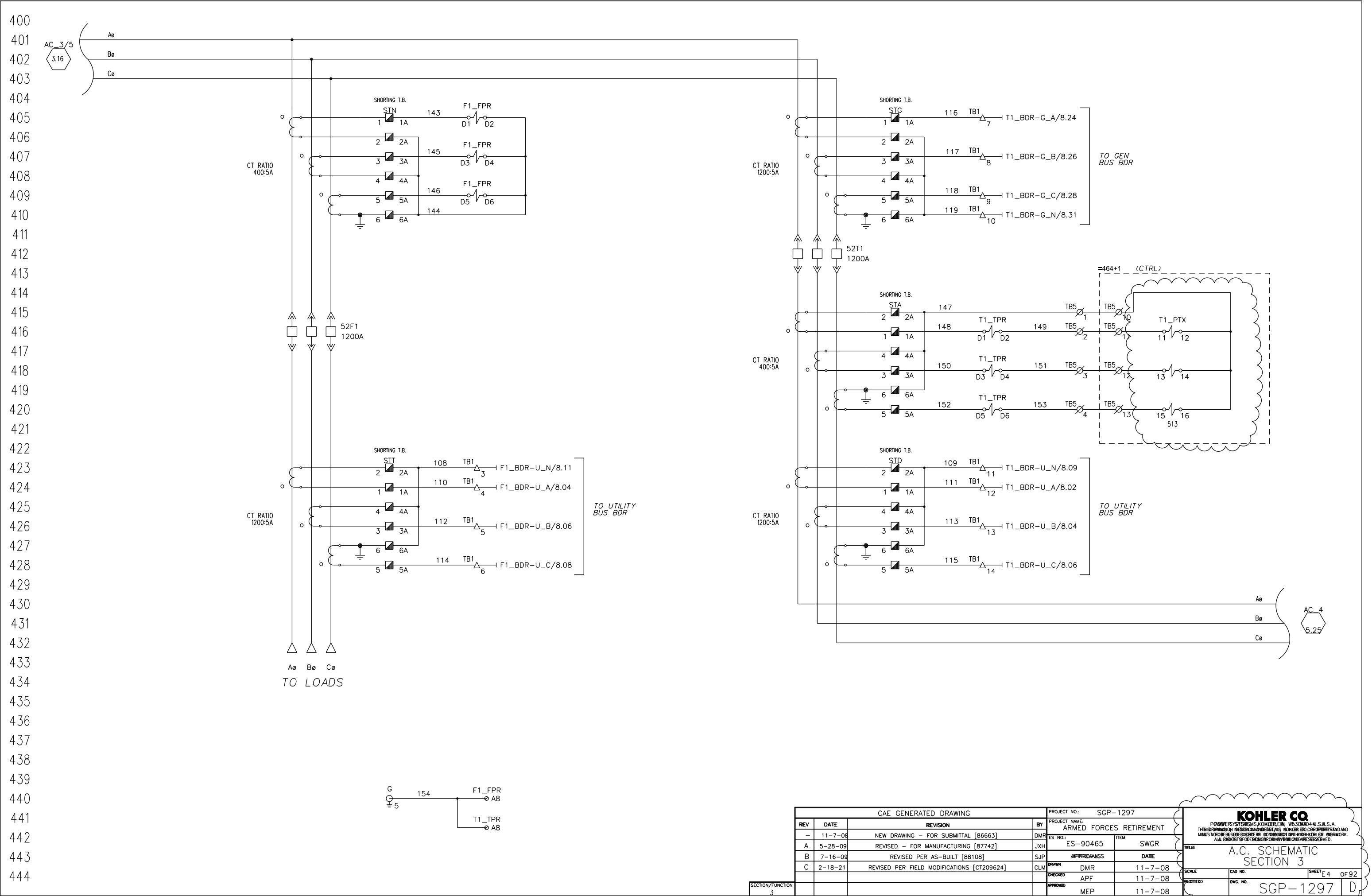


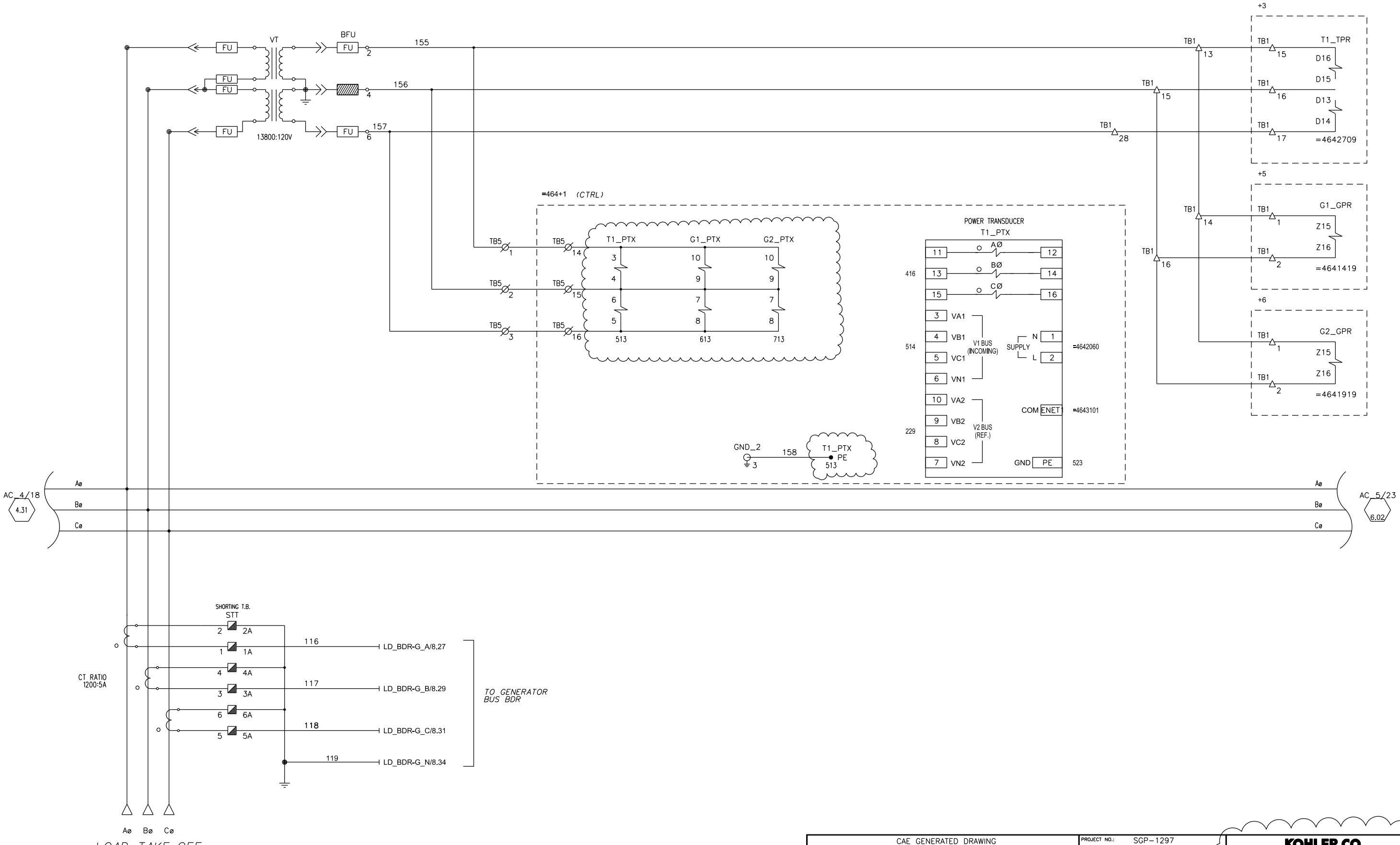
CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			KOHLER CO.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	POWER SYSTEMS KODAKER, INC. W533RD044 U.S.A. THIS DRAWING IS UNCLASSIFIED AND CONTAINS NO INFORMATION THAT REQUIRES SECURITY CLEARANCE OR MARKING. ALL RIGHTS OF THE DESIGNER ARE RESERVED.		
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR ES NO.:	ES-90465	ITEM SWGR	SINGLE-LINE		
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH			SECTION/FUNCTION 0		
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D BY	DATE	DRAWN DMR 11-7-08		
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	APPROV'D APF	11-7-08	CHECKED APF 11-7-08		
				APPROV'D MEP	11-7-08	PUBLISHED DWG. NO. SGP-1297 D		



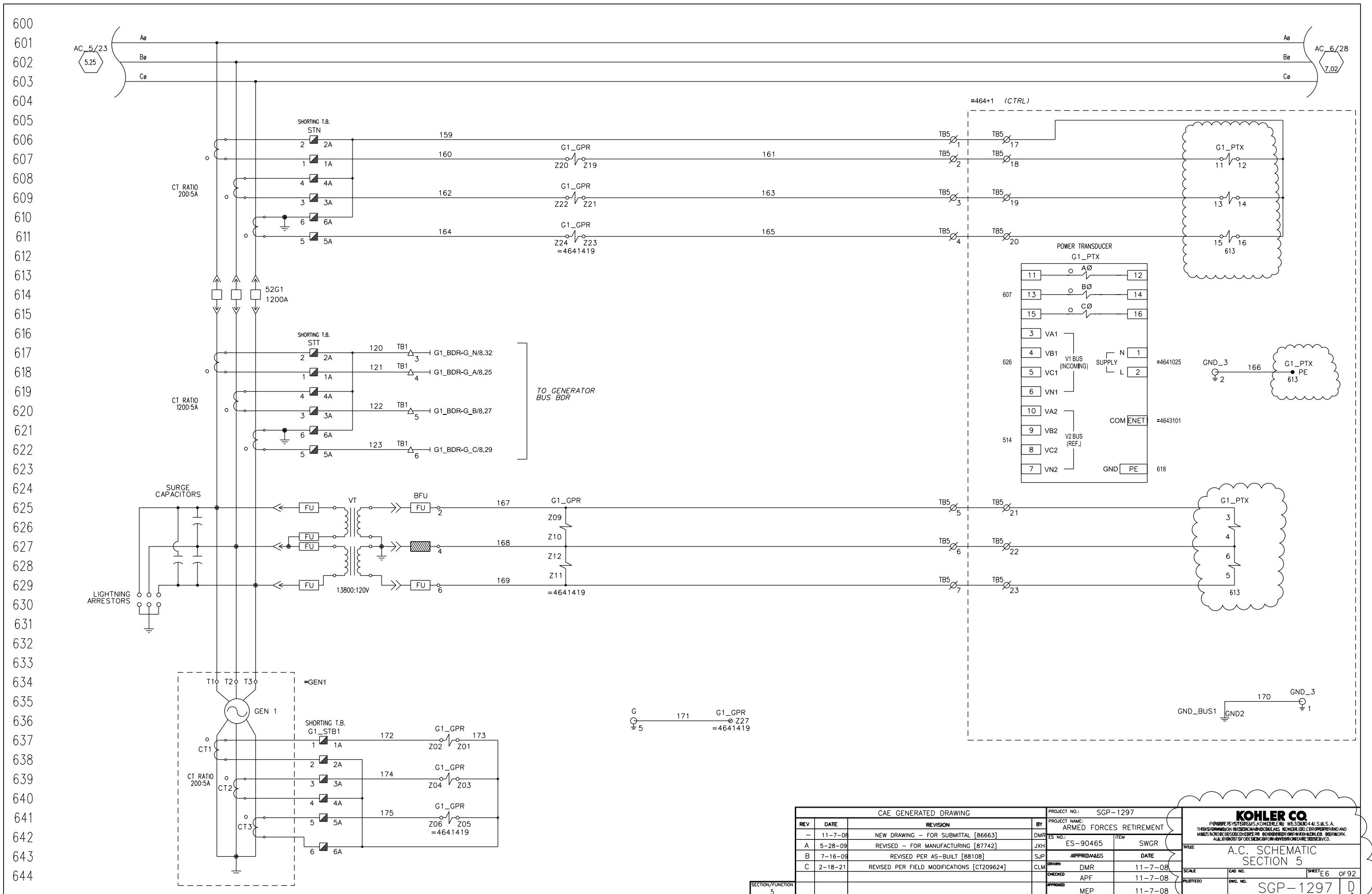


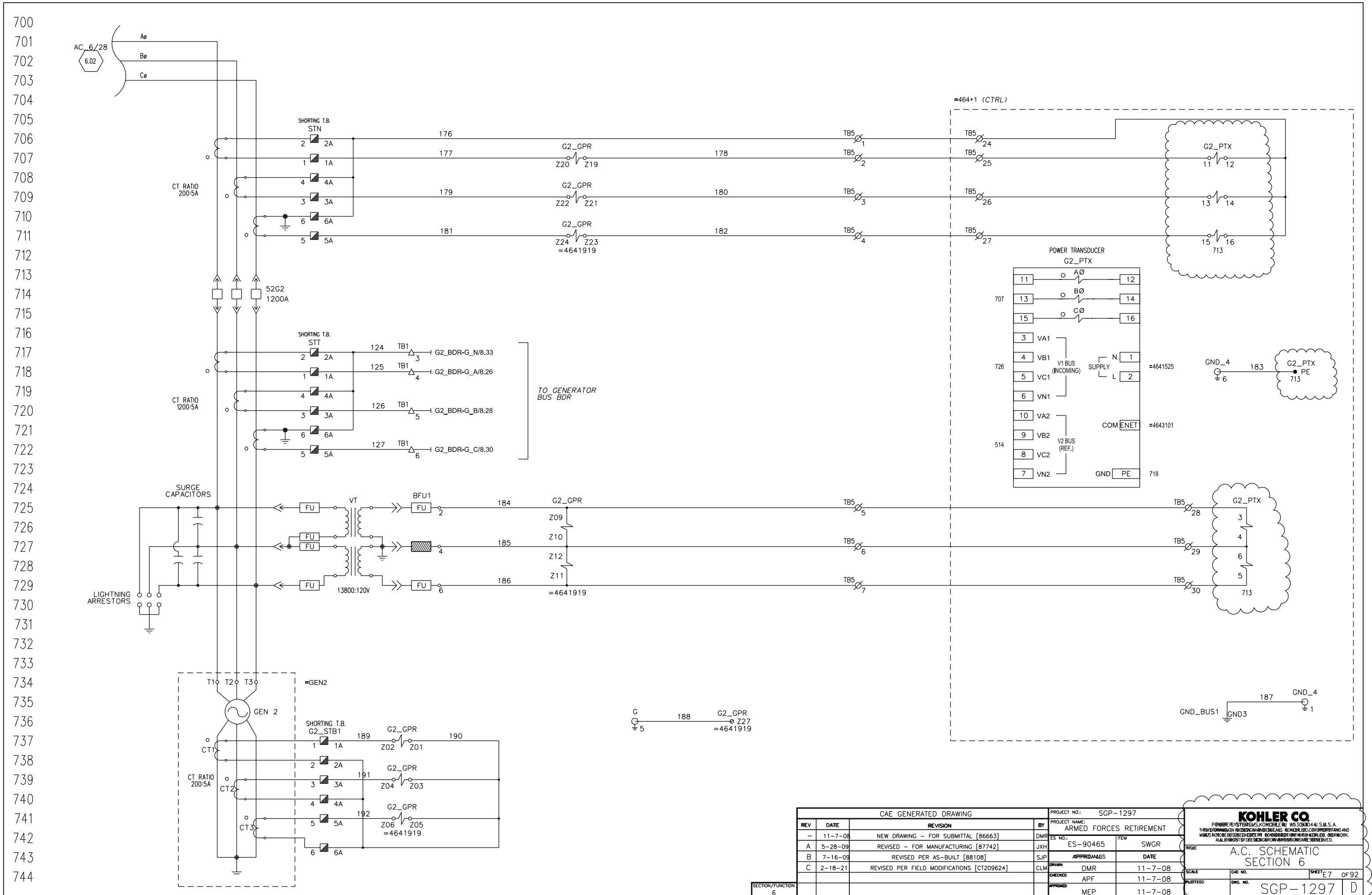
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REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT	ITEM	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90465	SWGR	TITLE: A.C. SCHEMATIC SECTION 2
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	APPROV'D AS	DATE	
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D AS	DATE	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08	
				CHECKED APF	11-7-08	SCALE
				APPROVED MEP	11-7-08	CD NO.
						SHEET E3 OF 92
						PUBLISHED DWG. NO.
						SGP-1297 D

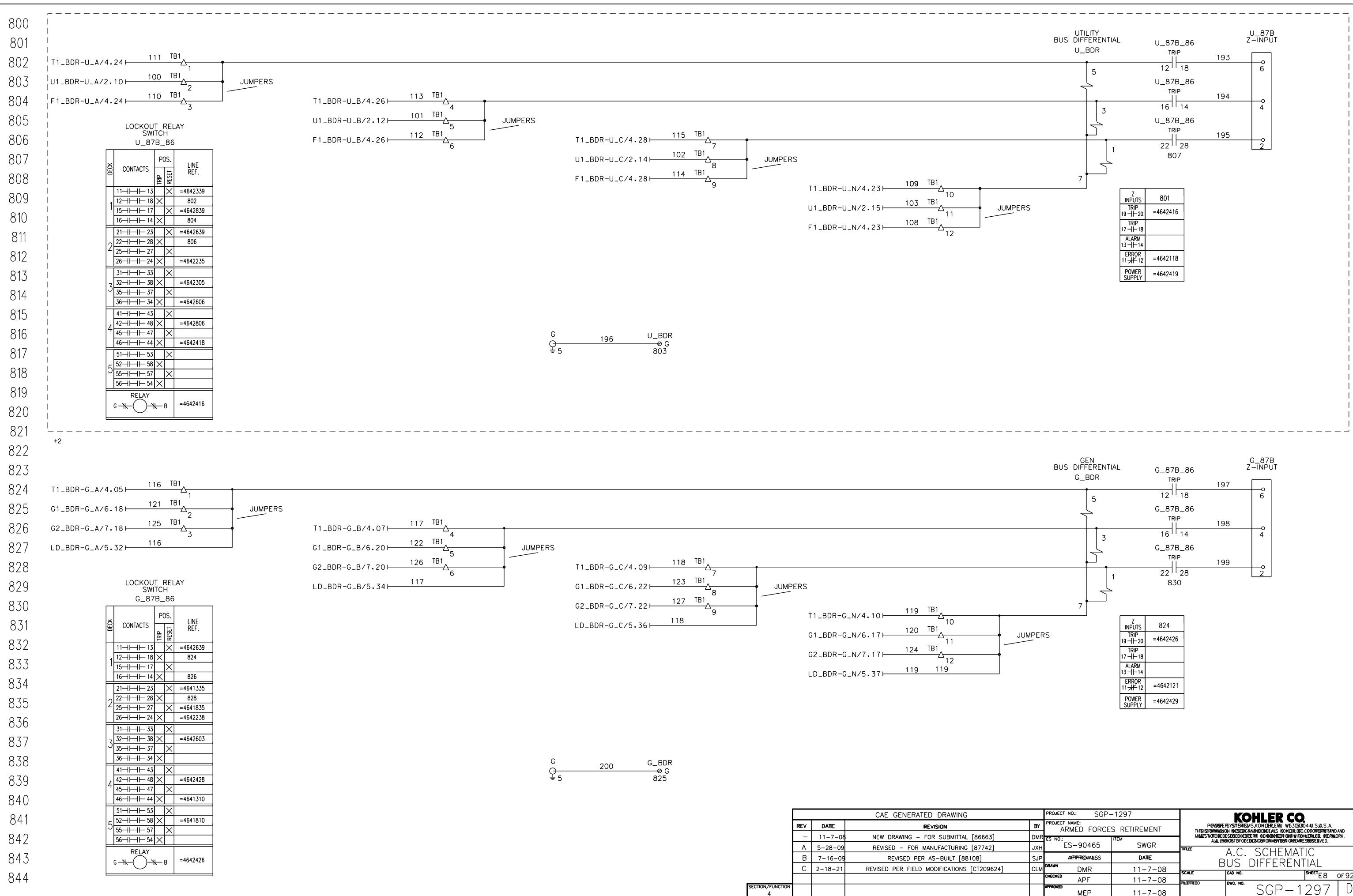


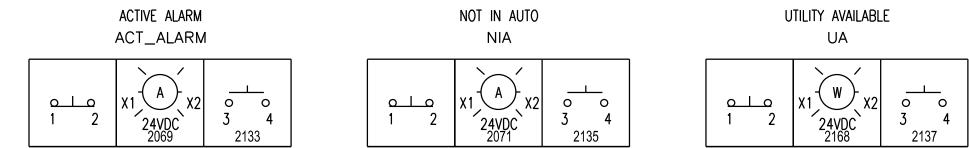
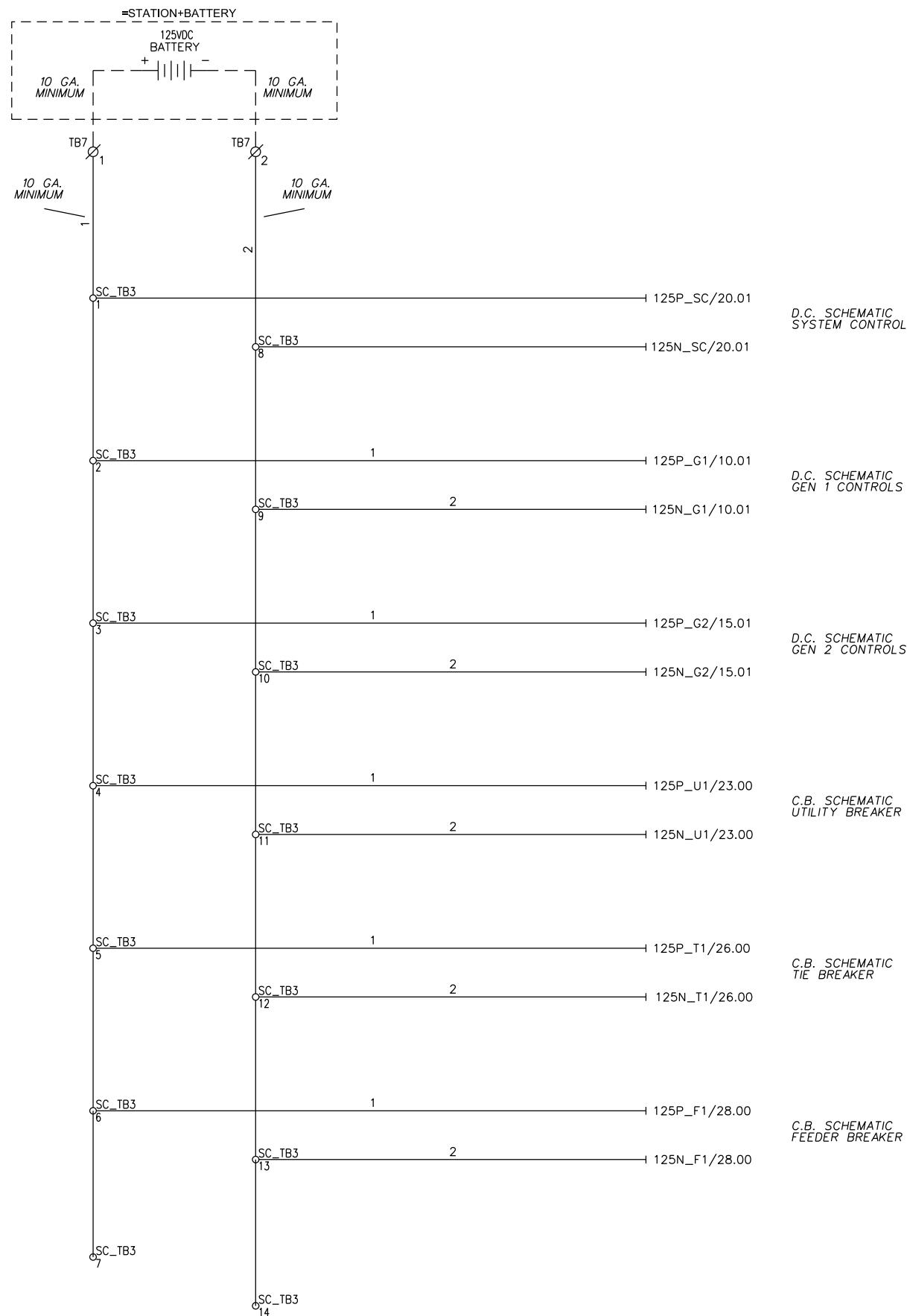


CAE GENERATED DRAWING				PROJECT NO.:	SGP-1297	
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT		
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO.:	ITEM	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90465	SWGR	
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROVED/MASS	DRAWN	DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	APF	DMR	11-7-08
				CHECKED	APF	11-7-08
				APPROVED	MEP	11-7-08
				SCALE	CAD NO.	HEET E5 OF 92
				PLOTTED	DWG. NO.	SGP-1297 D
SECTION/FUNCTION 4						

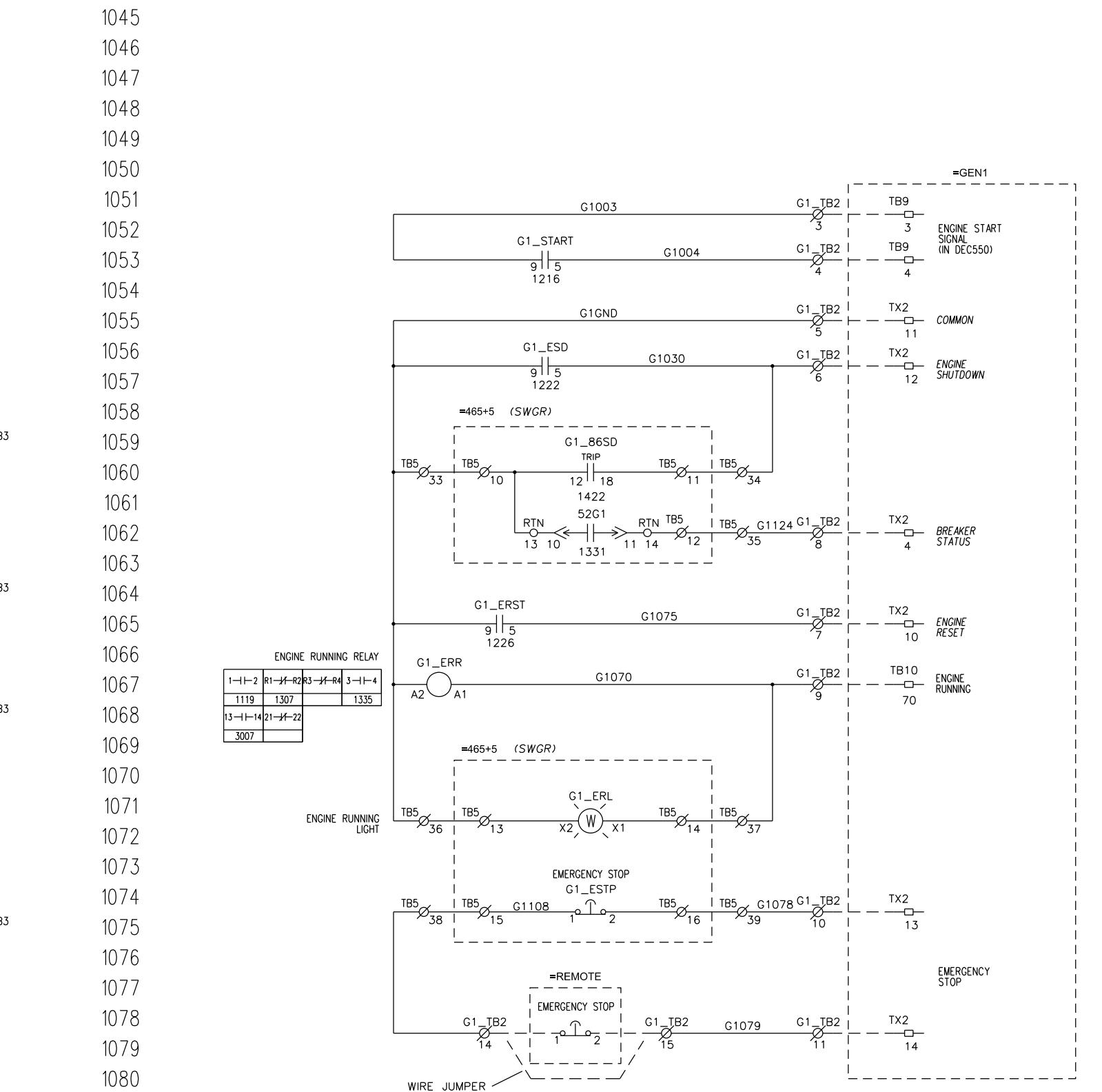
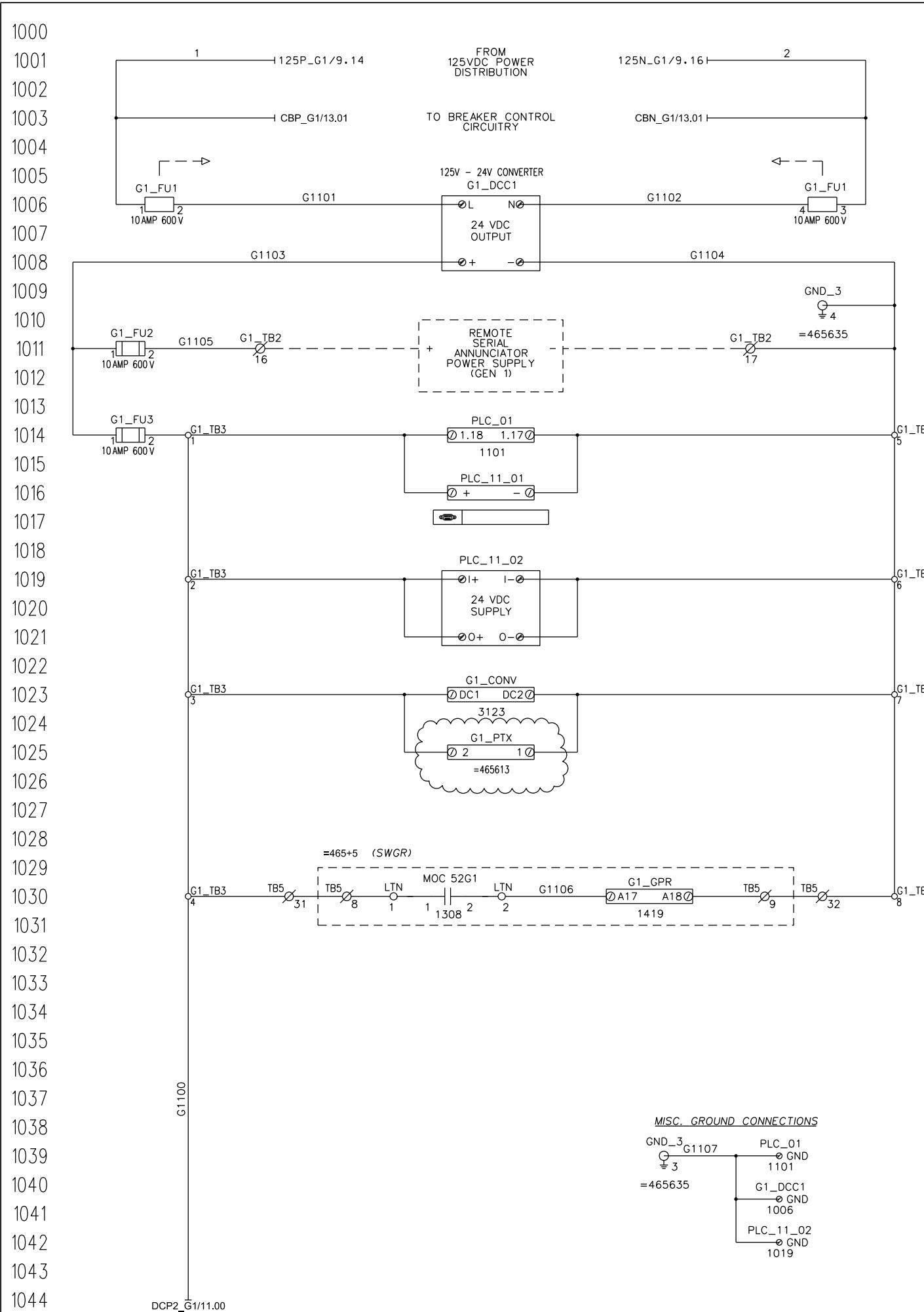


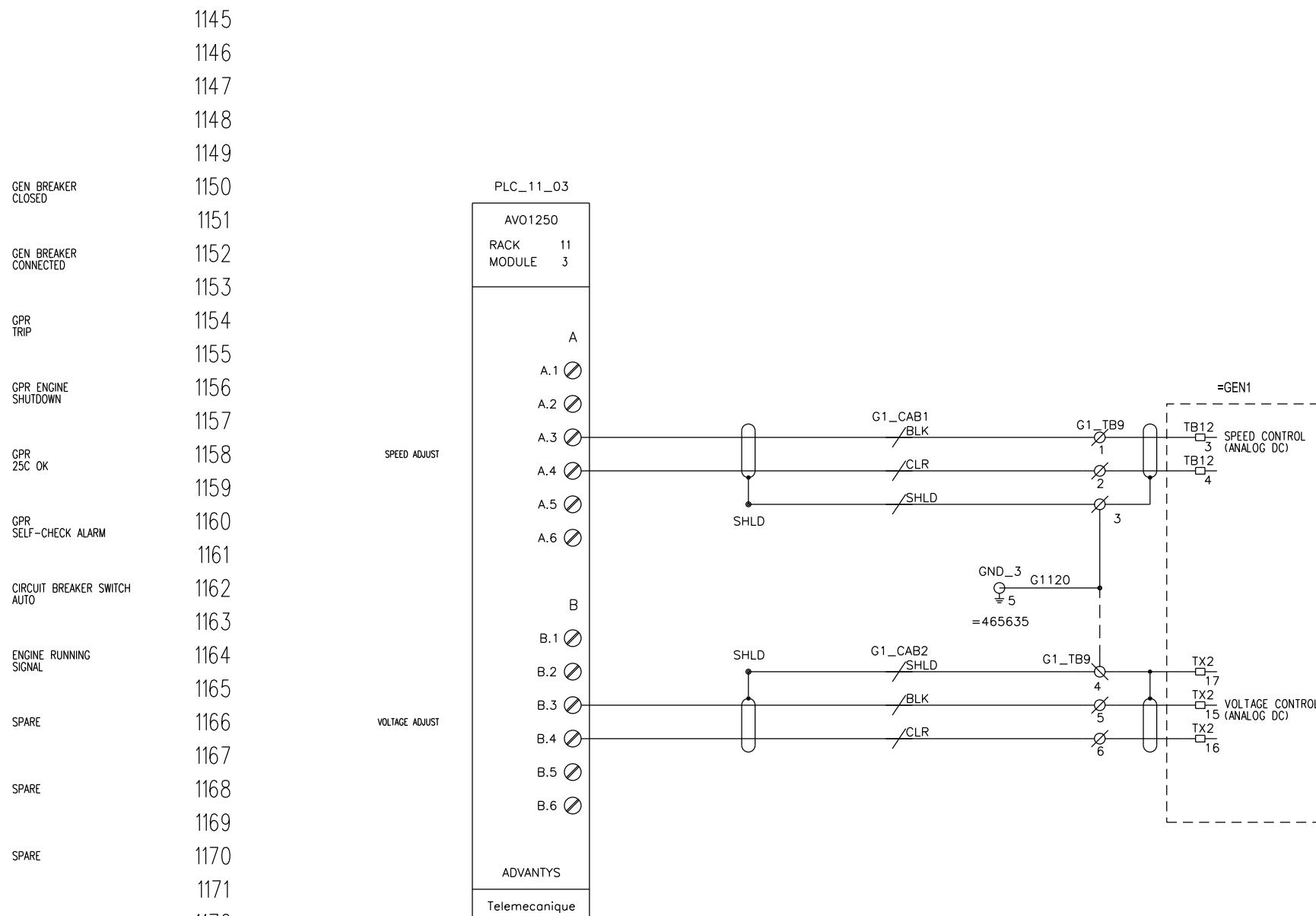
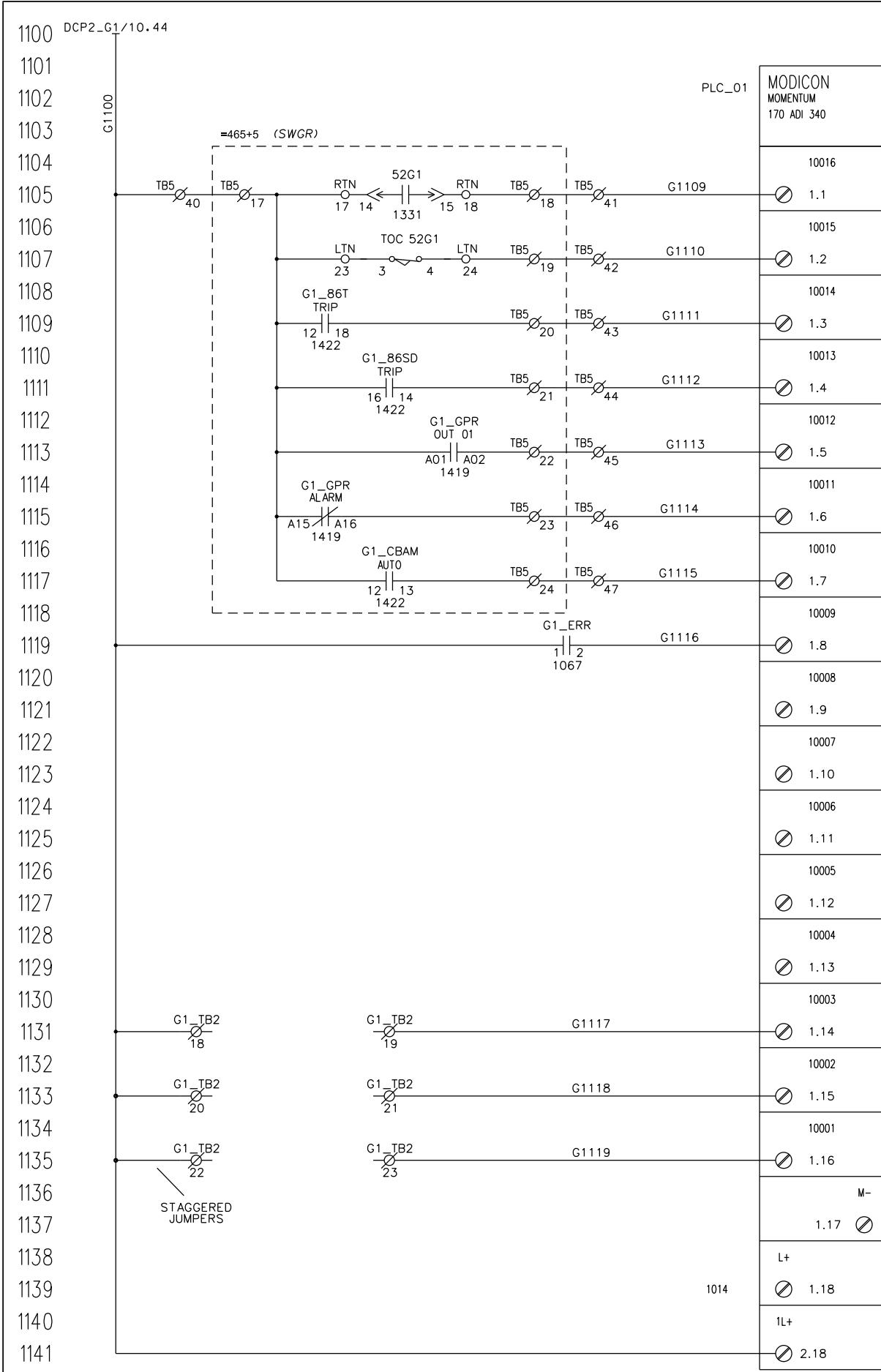






CAE GENERATED DRAWING				PROJECT NO.: SGP-1297		KOHLER CO.	
REV	DATIE	REVISION		BY	PROJECT NAME: ARMED FORCES RETIREMENT		POLYMER SYSTEMS-KOHLER CO., WISCONSIN 44, U.S.M.A. THIS DRAWING IS THE PROPERTY OF KOHLER CO. AND IS TO BE USED ONLY FOR THE PURPOSES FOR WHICH IT WAS ISSUED. IT MUST NOT BE COPIED EXCEPT IN ACCORDANCE WITH KOHLER CO. WORK ORDER FORM. ALL RIGHTS FOR DESIGN AND DRAWING ARE RESERVED.
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]		DMR	ES: ES-90494	ITEM: CTRL	TITLE: D.C. SCHEMATIC 125V POWER DIST
A	5-28-09	REVISED - FOR MANUFACTURING [87742]		JXH	APPROVED BY ASS	DATE	
B	7-16-09	REVISED PER AS-BUILT [88108]		SJP	DRAWN:	11-7-08	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]		CLM	CHECKED: DMR	APF: 11-7-08	
				APPROVED:	MEP	11-7-08	SCALE: CAD NO.: SHEET E9 OF 92
				PLOTTED:			DWG. NO.: SGP-1297 D
UNCTION							



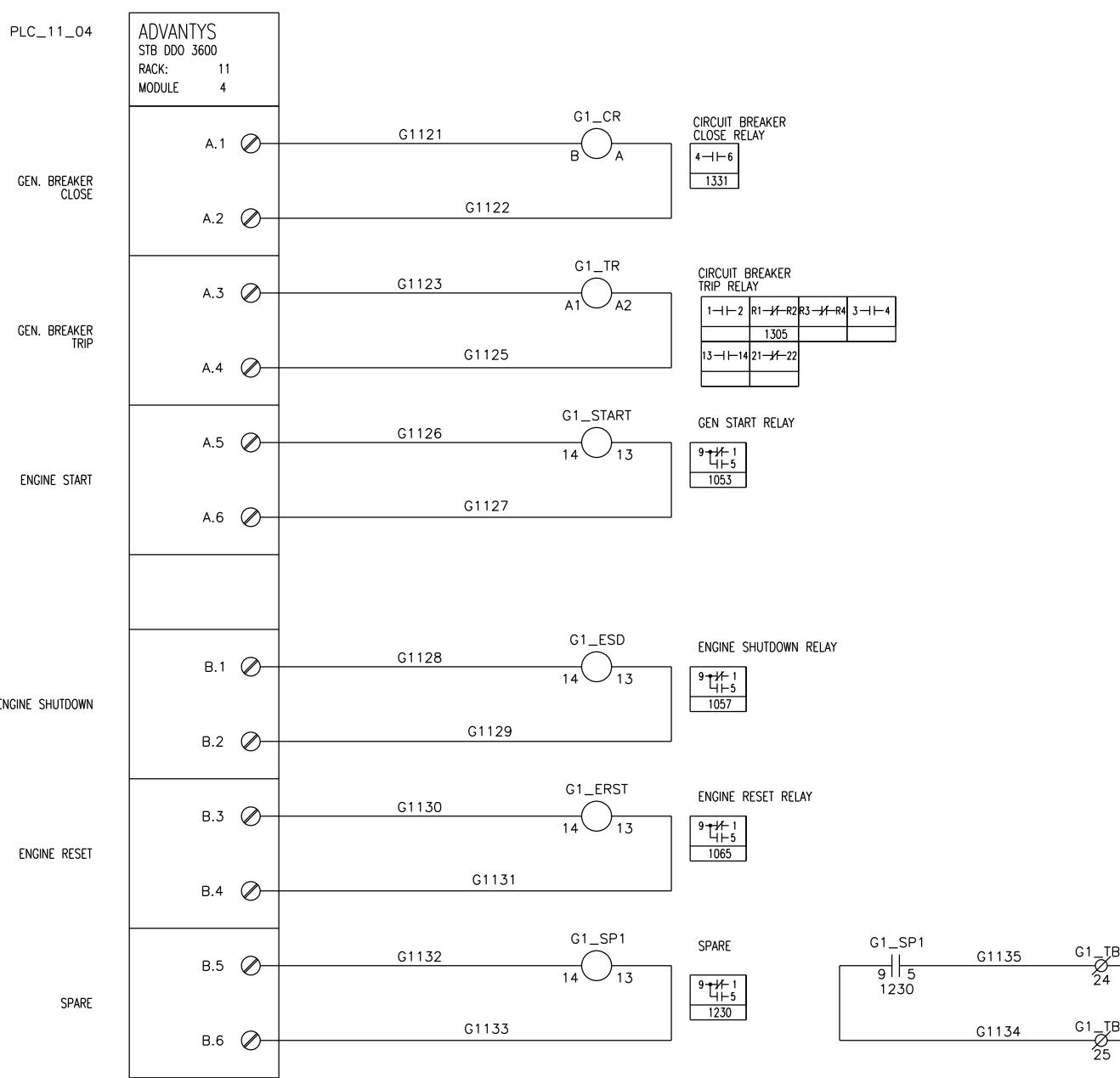


CAE GENERATED DRAWING			PROJECT NO.: SGP-1297		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR ES NO.:	ES-90464	ITEM CTRL
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH		
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D BY	DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08
				CHECKED APF	11-7-08
				APPROVED MEP	11-7-08
SECTION/FUNCTION 1			SCALE	CD NO.	HEET E11 OF 92
			PUBLISHED	DWG. NO.	SGP-1297 D

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D.C. SCHEMATIC
GEN 1 CONTROLS



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CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			Kohler Co.
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	DRYER NO.:	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	JXH	ES-90494	ITEM CTRL	POWER SYSTEMS KODAK, ENR. W63300A41, U.S.A.
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	SJP	APPROV'D AS	DATE	THIS DRAWING IS FOR INFORMATION ONLY AND IS NOT TO BE USED FOR CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE REQUIREMENTS FOR THE WORK.
B	7-16-09	REVISED PER AS-BUILT [88108]	CLM	DRAWN DMR	11-7-08	D.C. SCHEMATIC
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	APPROVED APF	11-7-08	11-7-08	GEN 1 CONTROLS
			PUBLISHED	DWG. NO.	11-7-08	SCALE
			MEP	SGP-1297	D	12 OF 92

1300

1301

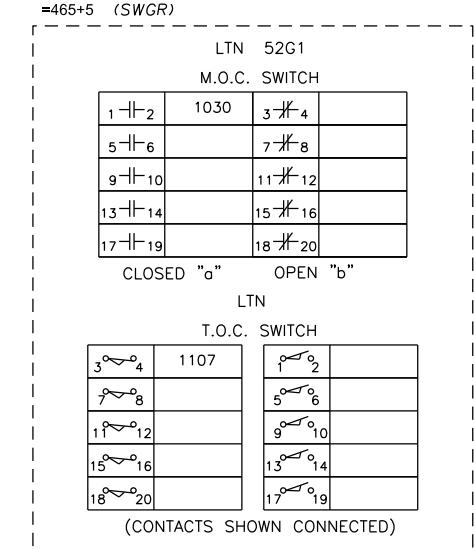
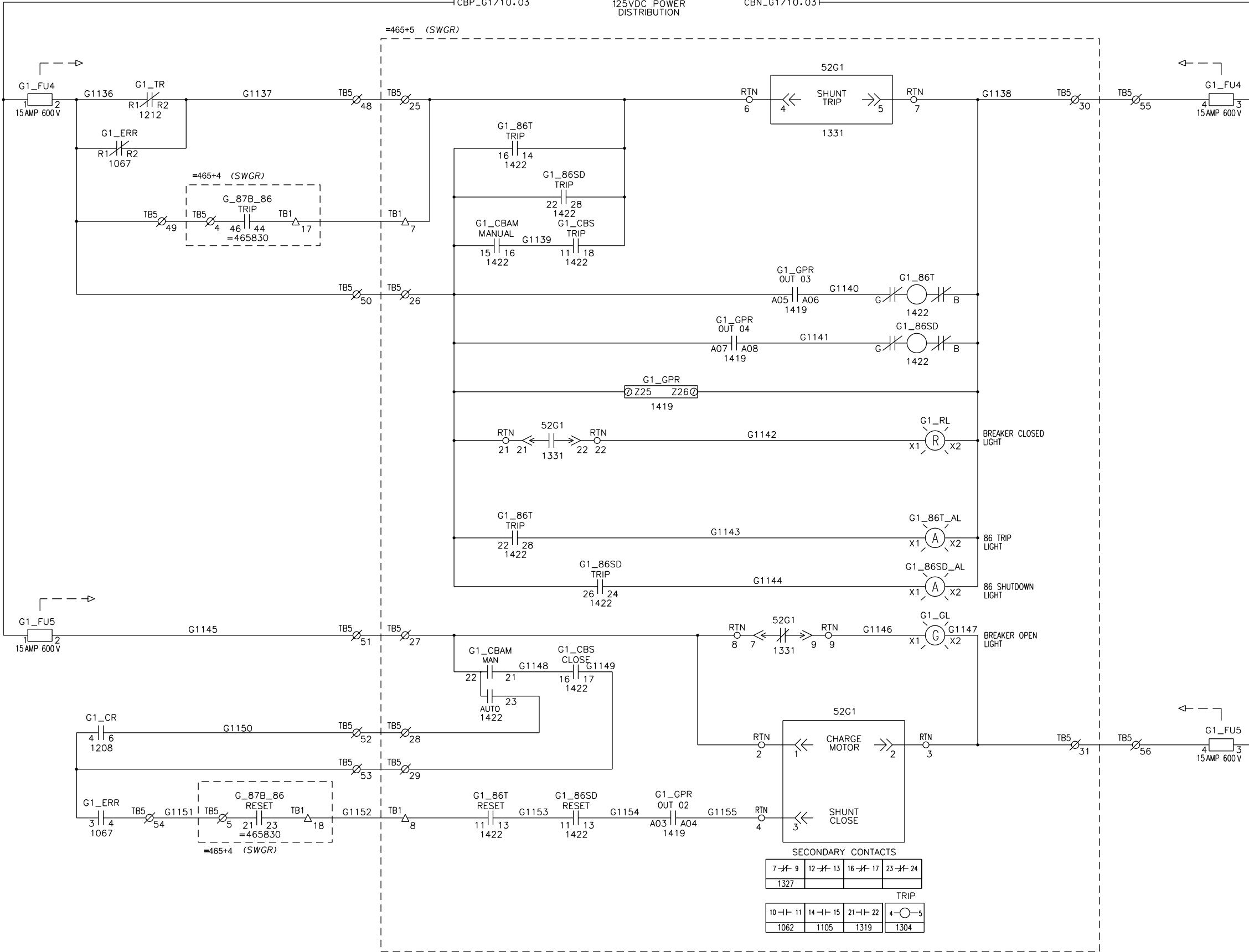
1

ICBP_G1/10.03

TO
125VDC POWER
DISTRIBUTION

CBN_G1/10.03I

2



CAE GENERATED DRAWING			PROJECT NO.:	SGP-1297	
REV	DATE	REVISION	BY	ARMED FORCES RETIREMENT	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90494	ITEM CTRL
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	APPROV'D AS	DATE
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D AS	DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08
			CHECKED APF	11-7-08	SCALE CAD NO. SHEET E13 OF 92
			APPROVED MEP	11-7-08	PUBLISHED Dwg. No. SGP-1297 D

KOHLER CO.

POWER SYSTEMS KODAK, N.Y. W53000A4 U.S.A.
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C.B. SCHEMATIC
GENERATOR 1

1400
 1401
 1402
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 1407 =465+5 (SWGR)
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 1418
 1419
 1420 CIRCUIT BREAKER
 AUTO/MANUAL
 G1_CBAM
 1421
 1422

DECK	CONTACTS	POS.		LINE REF.
		MAN	AUTO	
1	12-II-11 X	X		1117
	12-II-13 X	X		
	16-II-15 X	X		
	16-II-17 X	X		1311
2	22-II-21 X	X		1329
	22-II-23 X	X		
	26-II-25 X	X		
	26-II-27 X	X		
3	32-II-31 X	X		
	32-II-33 X	X		
	36-II-35 X	X		
	36-II-37 X	X		
	RELAY			
	C	●	B	1313

DECK	CONTACTS	POS.		LINE REF.
		TRIP	RESET	
1	11-II-18 X	X		1311
	16-II-17 X	X		

DECK	CONTACTS	POS.		LINE REF.
		TRIP	RESET	
1	11-II-13 X	X		1335
	12-II-18 X	X		1109

DECK	CONTACTS	POS.		LINE REF.
		TRIP	RESET	
1	15-II-17 X	X		
	16-II-14 X	X		1307

DECK	CONTACTS	POS.		LINE REF.
		TRIP	RESET	
1	21-II-23 X	X		
	22-II-28 X	X		1323

DECK	CONTACTS	POS.		LINE REF.
		TRIP	RESET	
2	25-II-27 X	X		
	26-II-24 X	X		1325

DECK	CONTACTS	POS.		LINE REF.
		TRIP	RESET	
3	31-II-33 X	X		
	32-II-38 X	X		

DECK	CONTACTS	POS.		LINE REF.
		TRIP	RESET	
3	35-II-37 X	X		
	36-II-34 X	X		

DECK	CONTACTS	POS.		LINE REF.
		TRIP	RESET	
	31-II-33 X	X		
	32-II-38 X	X		

DECK	CONTACTS	POS.		LINE REF.
		TRIP	RESET	
	35-II-37 X	X		
	36-II-34 X	X		

DECK	CONTACTS	POS.		LINE REF.
		TRIP	RESET	
	31-II-34 X	X		
	32-II-38 X	X		

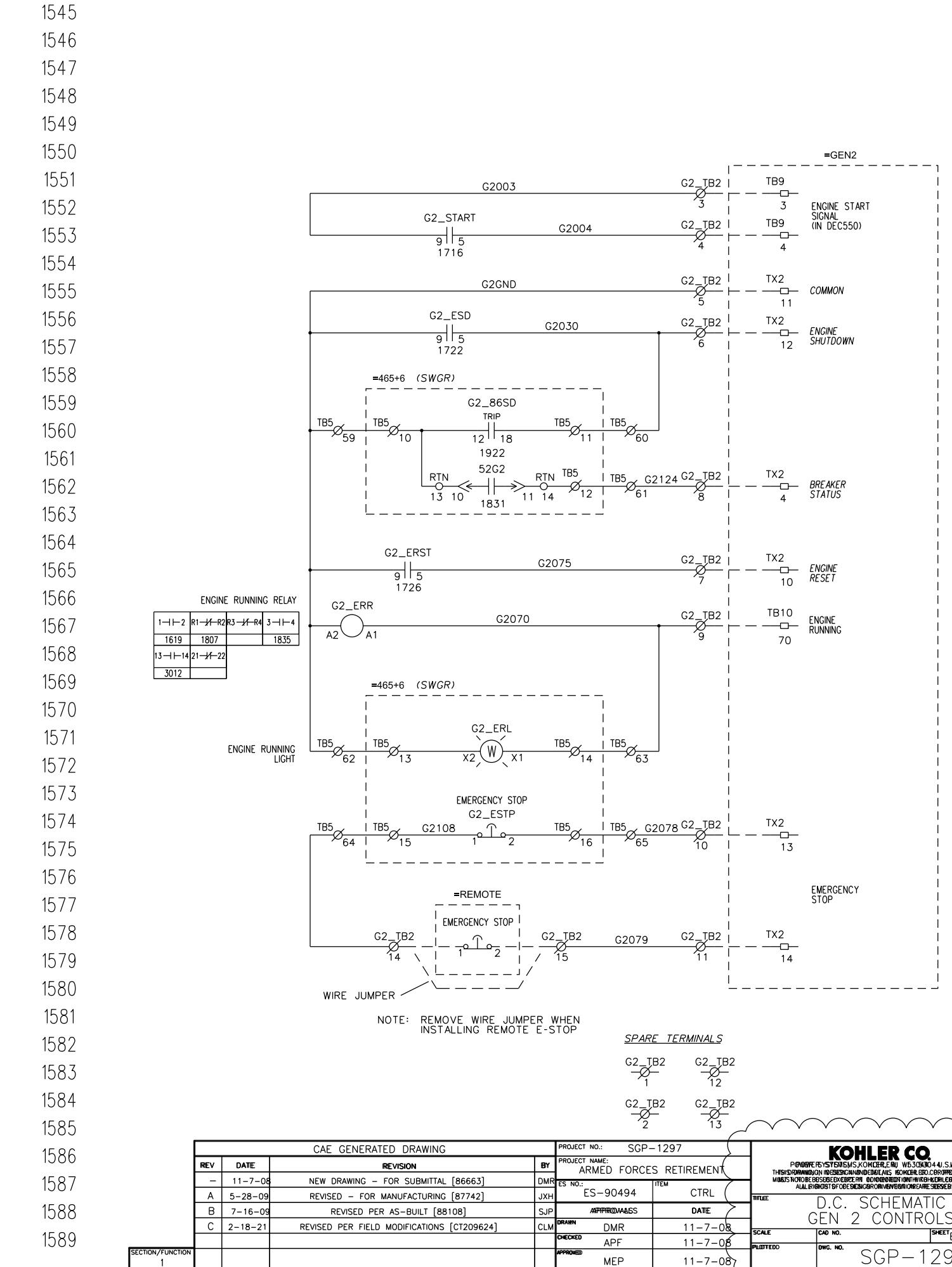
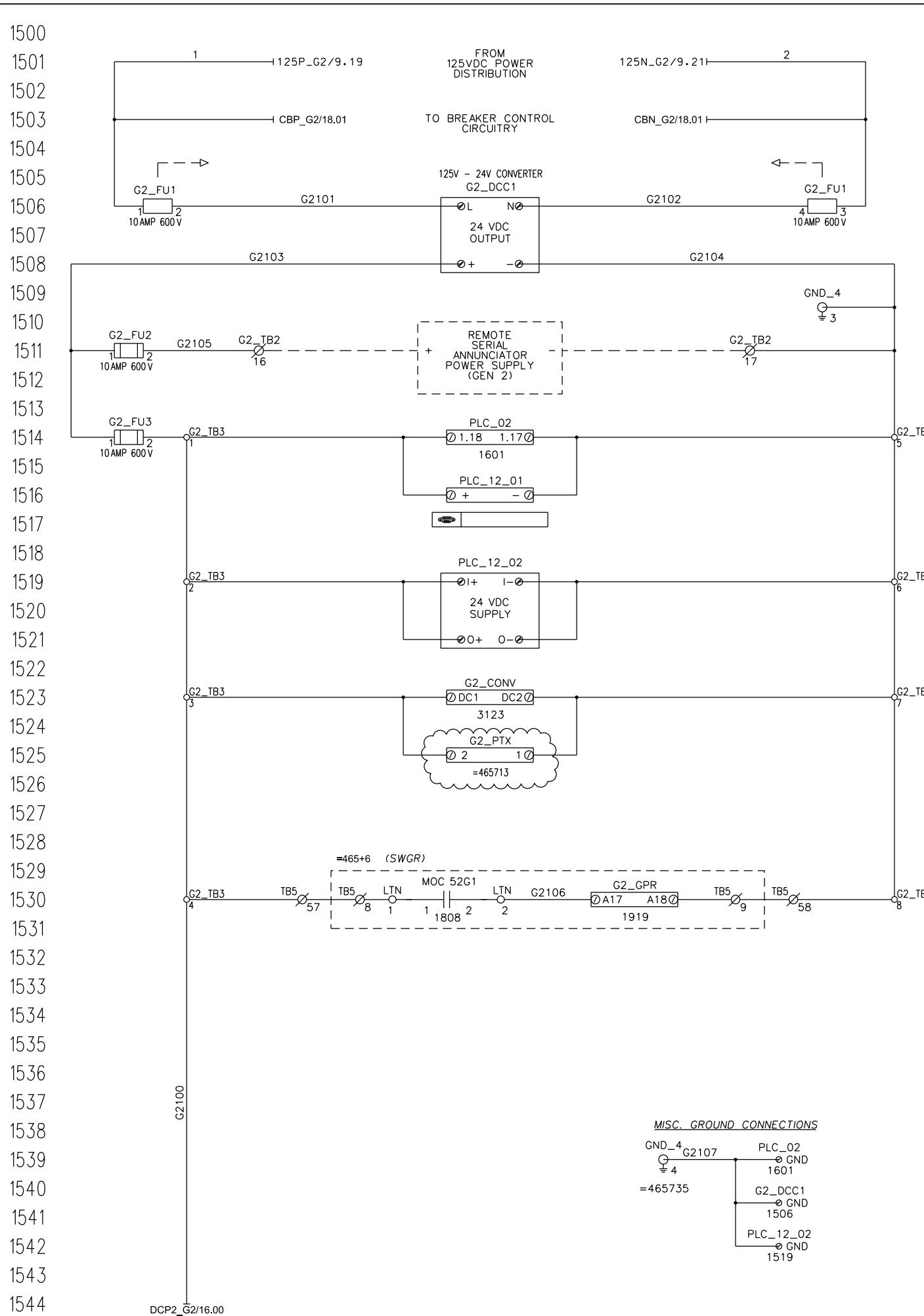
DECK	CONTACTS	POS.		LINE REF.
		TRIP	RESET	
	35-II-37 X	X		
	36-II-34 X	X		

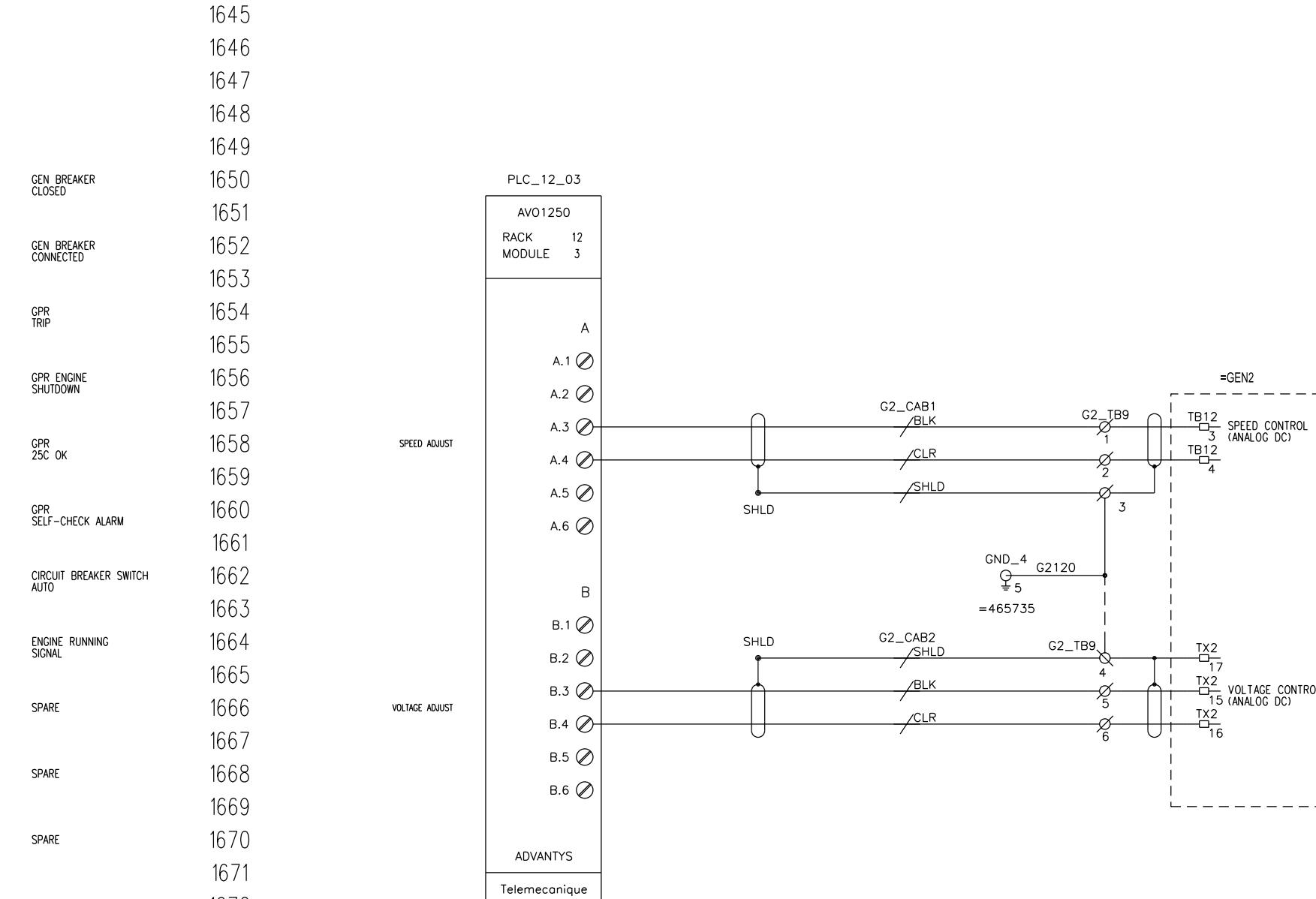
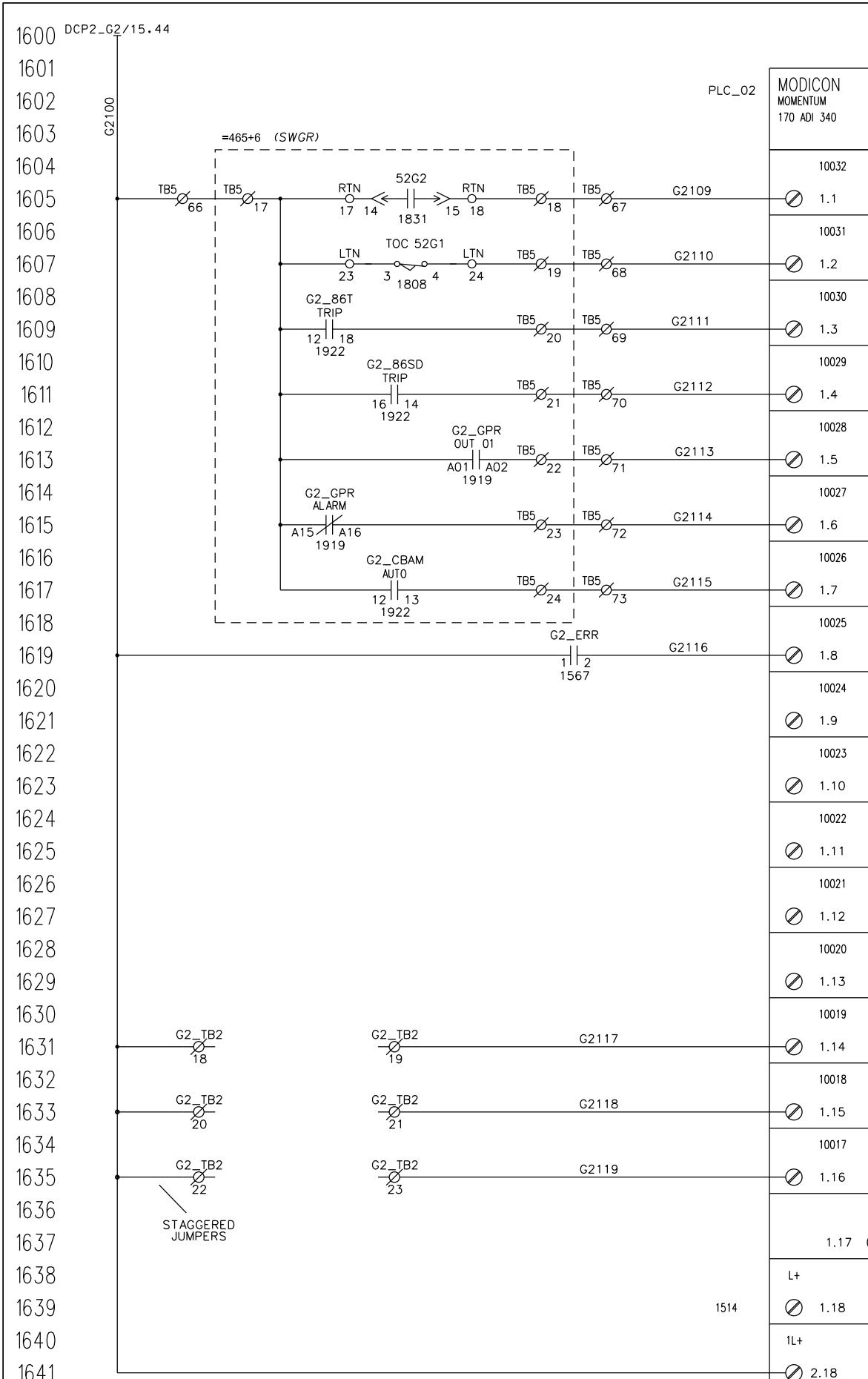
DECK	CONTACTS	POS.		LINE REF.
		TRIP	RESET	
	35-II-37 X	X		
	36-II-34 X	X		

DECK	CONTACTS	POS.		LINE REF.
		TRIP	RESET	
	35-II-37 X	X		
	36-II-34 X	X		

DECK	CONTACTS	POS.		LINE REF.
		TRIP	RESET	
	35-II-37 X	X		
	36-II-34 X	X		

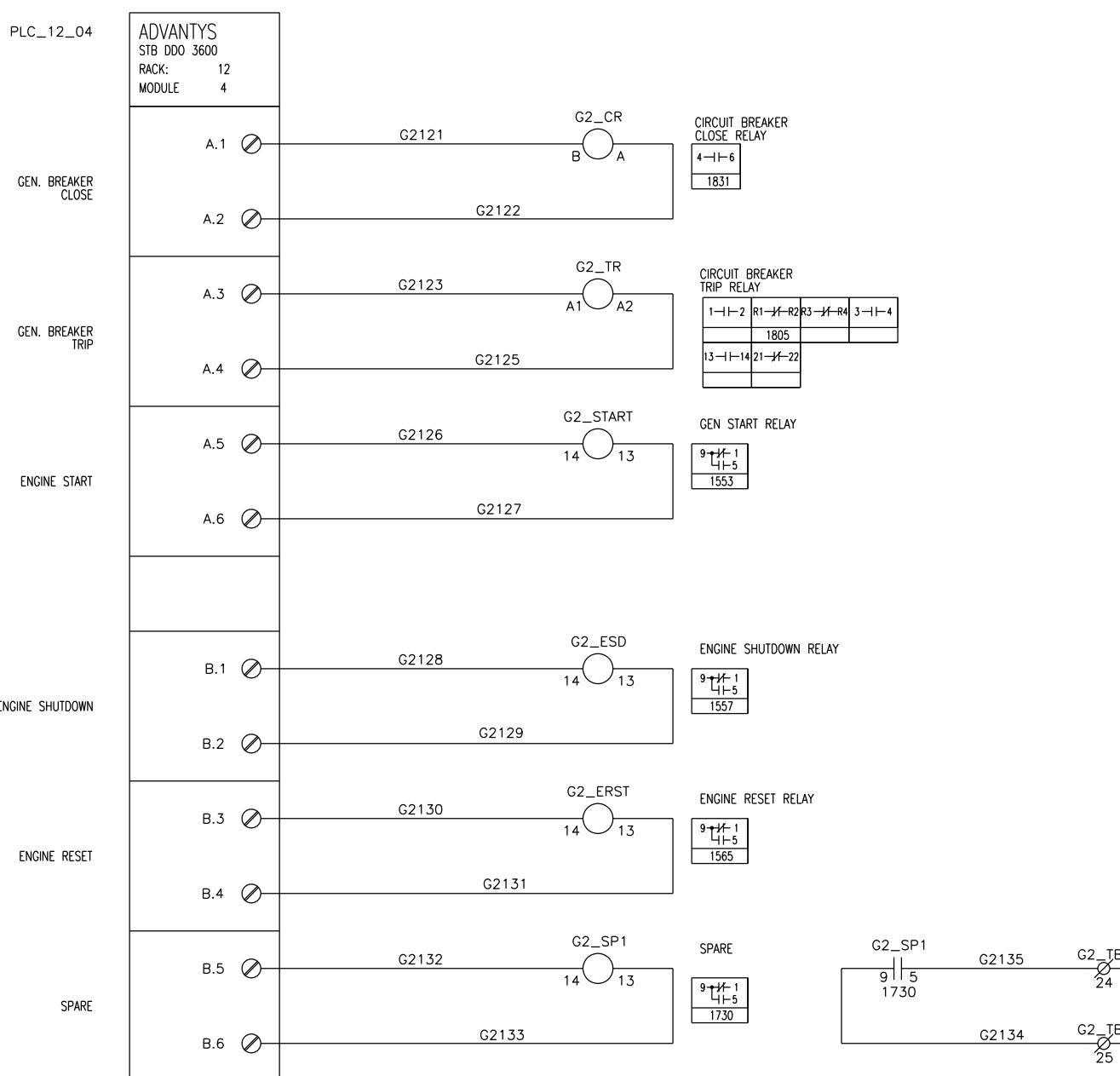
DECK	CONTACTS	POS.		LINE REF.
		TRIP</		





CAE GENERATED DRAWING			PROJECT NO.: SGP-1297		
REV	DATE	REVISION	PROJECT NAME:		
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	ARMED FORCES RETIREMENT	DMR ES NO.:	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH ES-90494	ITEM	CTRL
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP APPROVAL DATE		
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM DRAWN DMR	11-7-08	
			CHECKED APF	11-7-08	
			APPROVED MEP	11-7-08	
SECTION/FUNCTION 1			SCALE	CD NO.	HEET E 16 OF 92
			PUBLISHED	DWG. NO.	SGP-1297 D

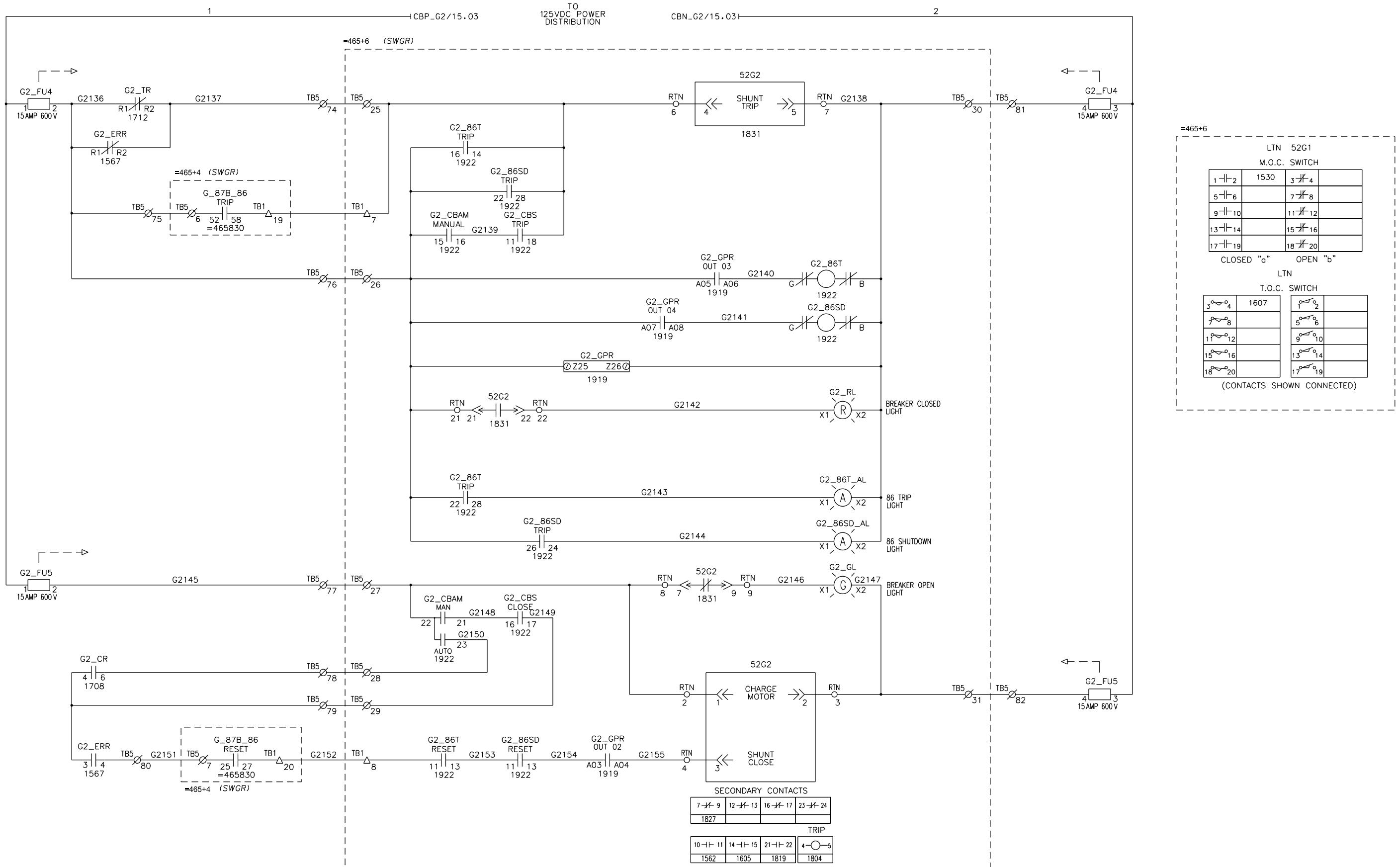
KOHLER CO.
POWER SYSTEMS KODAK, NY 14530 U.S.A.
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ARRANGEMENT OF DESIGNER WITH KOHLER CO. RECEIVED BY
D.C. SCHEMATIC
GEN 2 CONTROLS



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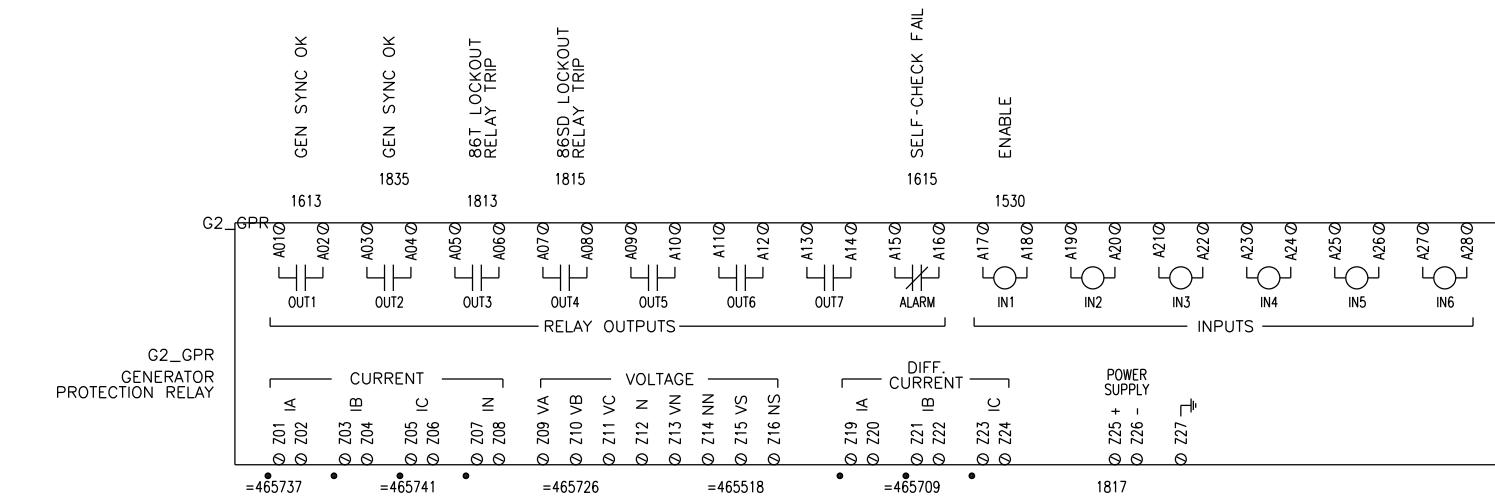
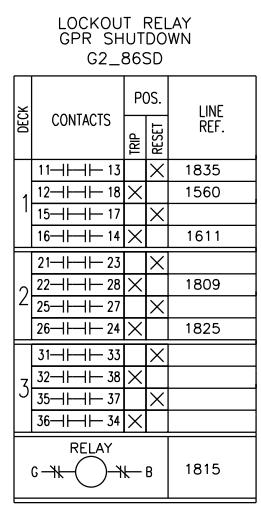
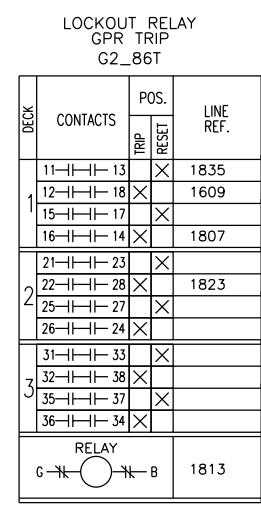
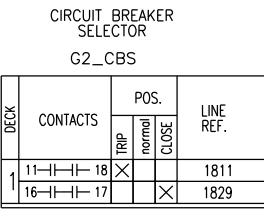
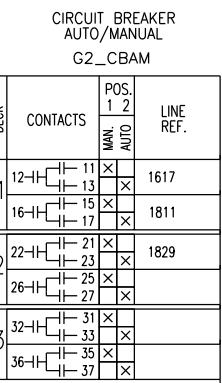
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CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			Kohler Co. POWER SYSTEMS KODAK, NY 14530 U.S.A. THIS DRAWING IS THE PROPERTY OF KOHLER CO. AND IS TO BE USED EXCLUSIVELY FOR THE DESIGN AND MANUFACTURE OF EQUIPMENT CONVENIENTLY KNOWN AS KOHLER EQUIPMENT. ALL RIGHTS RESERVED. COPIES OR MODIFICATIONS ARE PROHIBITED.
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	DRWRS NO.:	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	JXH	ES-90494	ITEM CTRL	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	SJP	APPROV'D AS	DATE	
B	7-16-09	REVISED PER AS-BUILT [88108]	CLM	DRAWN DMR	11-7-08	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	APPROVED APF	11-7-08	SCALE	CD NO.
			PUBLISHED	DWG. NO.	17 OF 92	SGP-1297 D
SECTION/FUNCTION 1			APPROVED MEP	11-7-08		

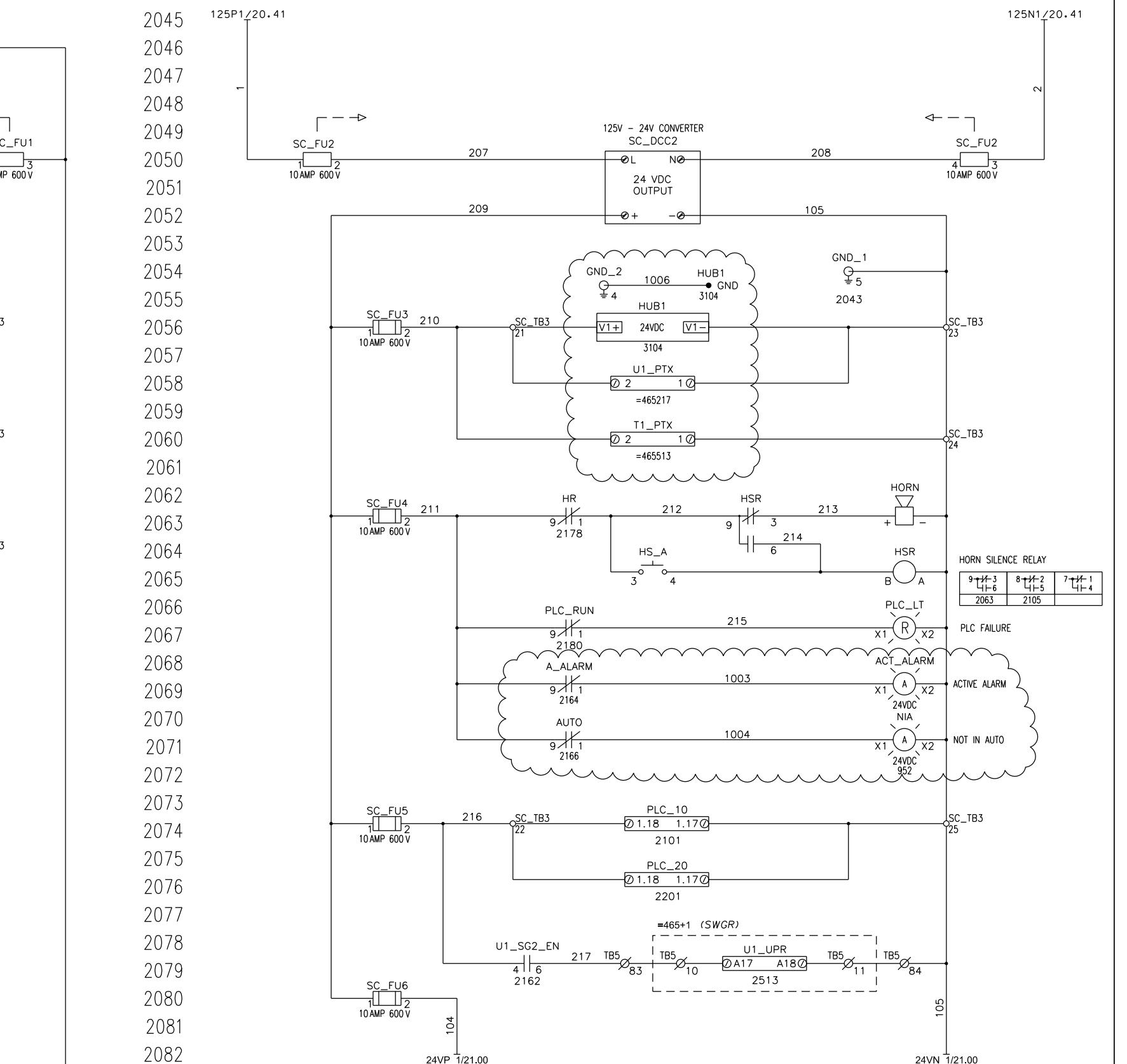
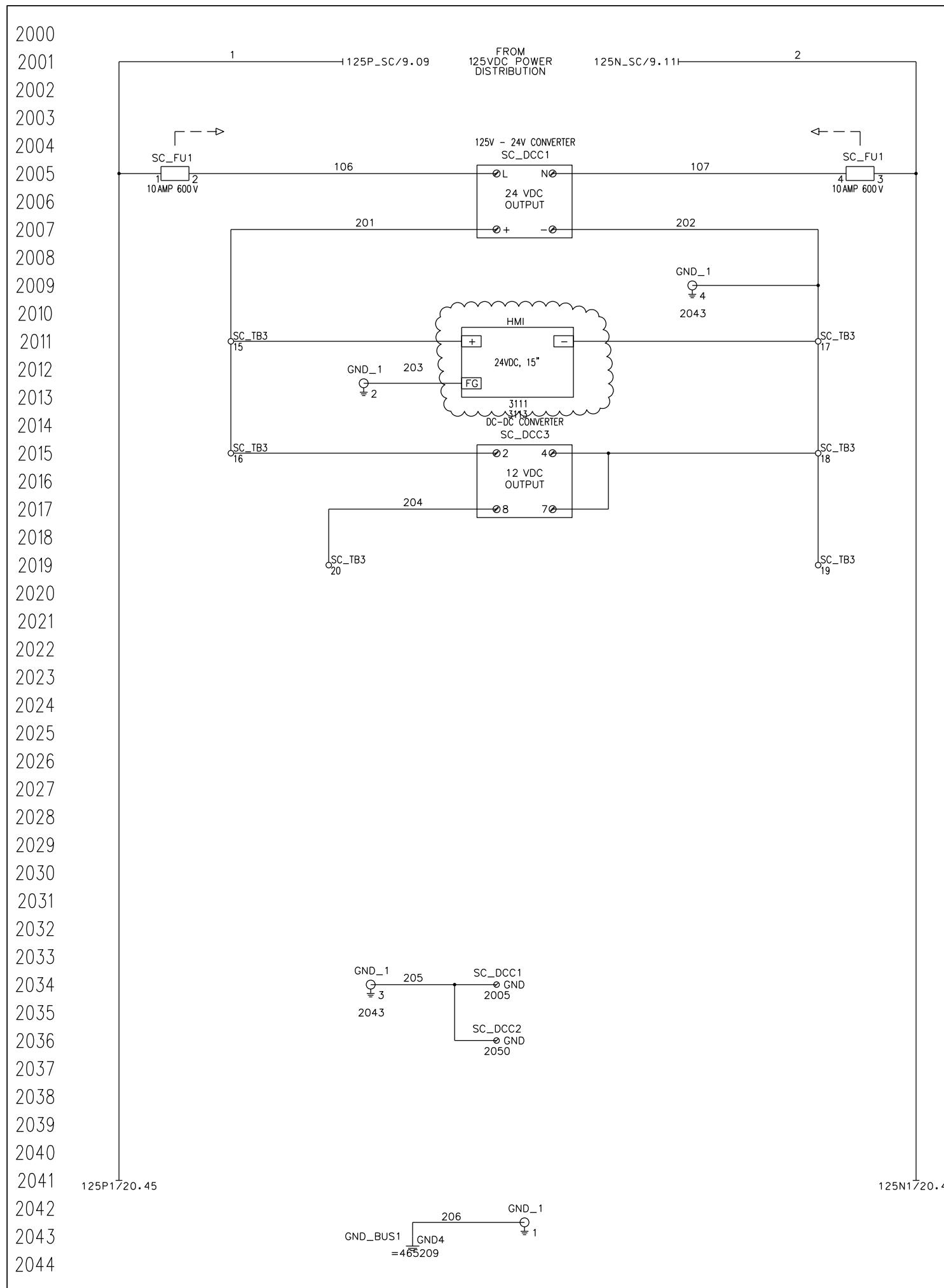


CAE GENERATED DRAWING				PROJECT NO.:	SGP-1297	KOHLER CO. <small>POWER SYSTEMS KOMPLEX W53030144) S.W.S.A. THIS DRAWING IS FOR INFORMATIONAL PURPOSES ONLY. KOHLER CO. IS NOT RESPONSIBLE FOR ANY DAMAGE OR INCONVENIENCE WHICH MAY OCCUR DUE TO THE USE OF THIS DRAWING. ALL RISKS AND COSTS FOR DESIGN, CONSTRUCTION AND OPERATION ARE ASSUMED BY THE CONTRACTOR.</small>		
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT				
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO.:	ITEM			
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90494	CTRL			
B	7-16-09	REVISED PER AS-BUILT [88108]	SUP	APPROV'D BY MECHANICAL	DATIE			
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN APF	11-7-08 11-7-08			
SECTION/FUNCTION 1			CHECKED	APF	11-7-08	SCALE	CD NO.	SHEET
			APPROVED	MEP	11-7-08	PIOTTED	DWG. NO.	E 18 OF 92
				SGP-1297		D		

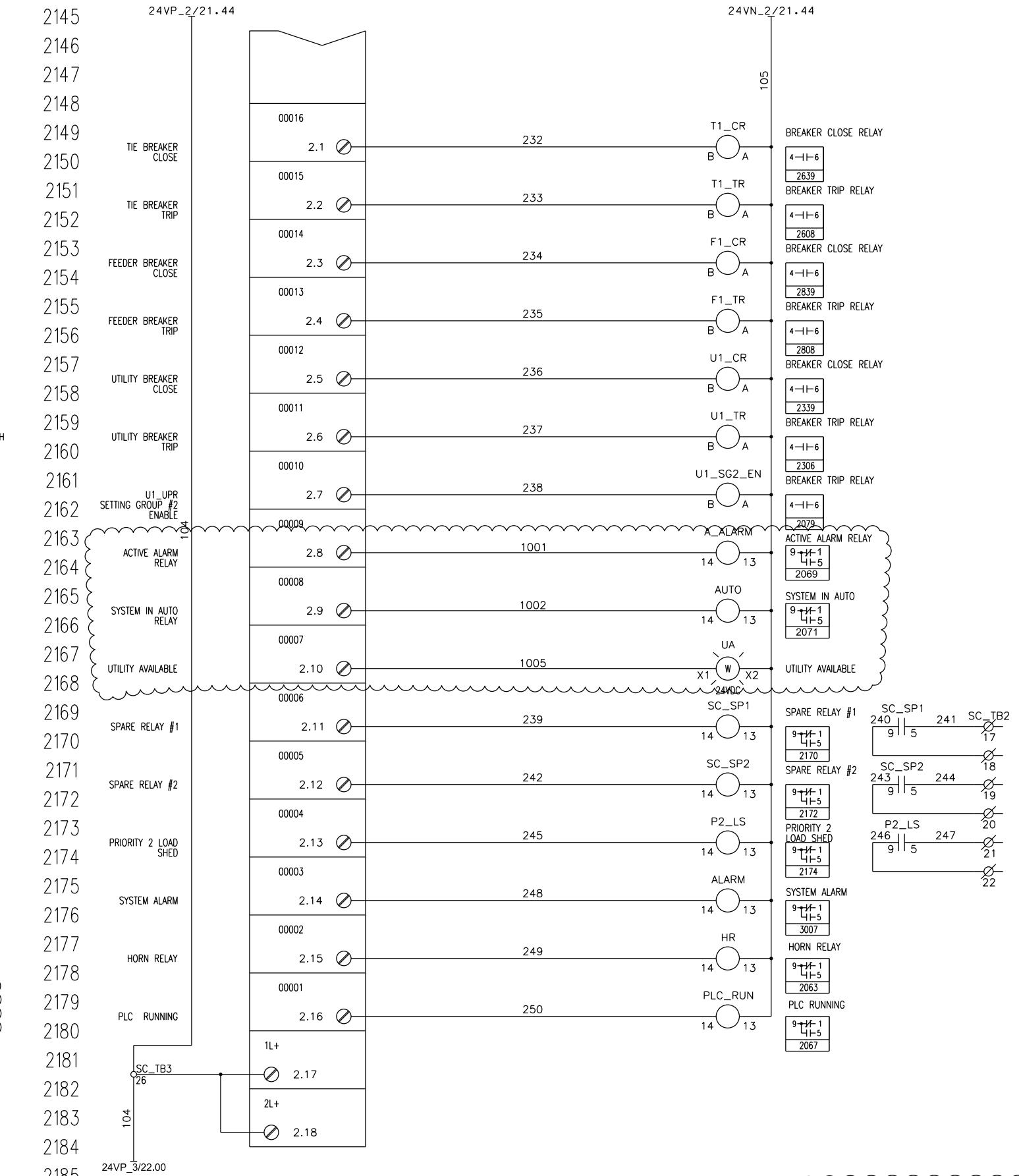
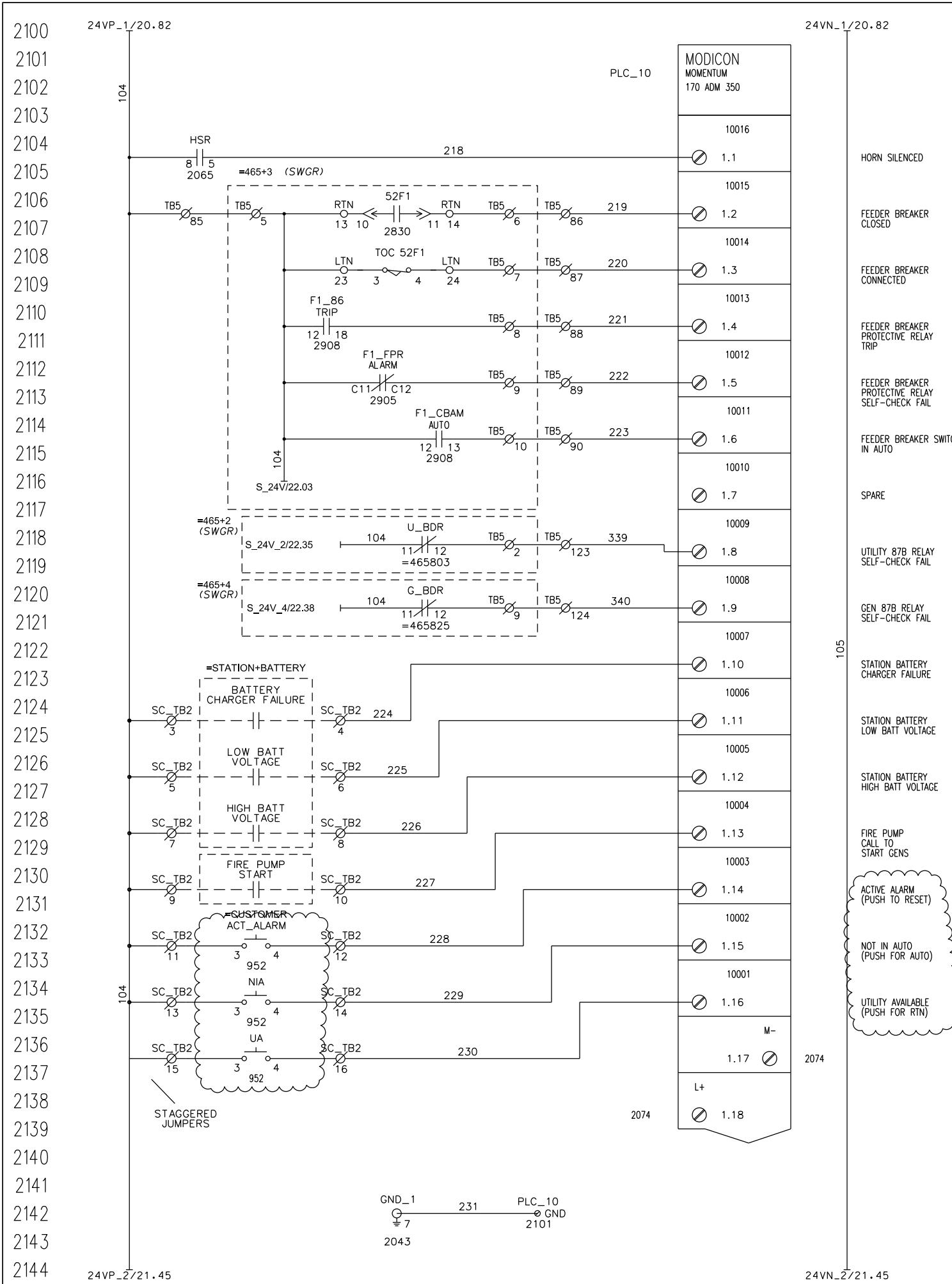
=465+6 (SWGR)



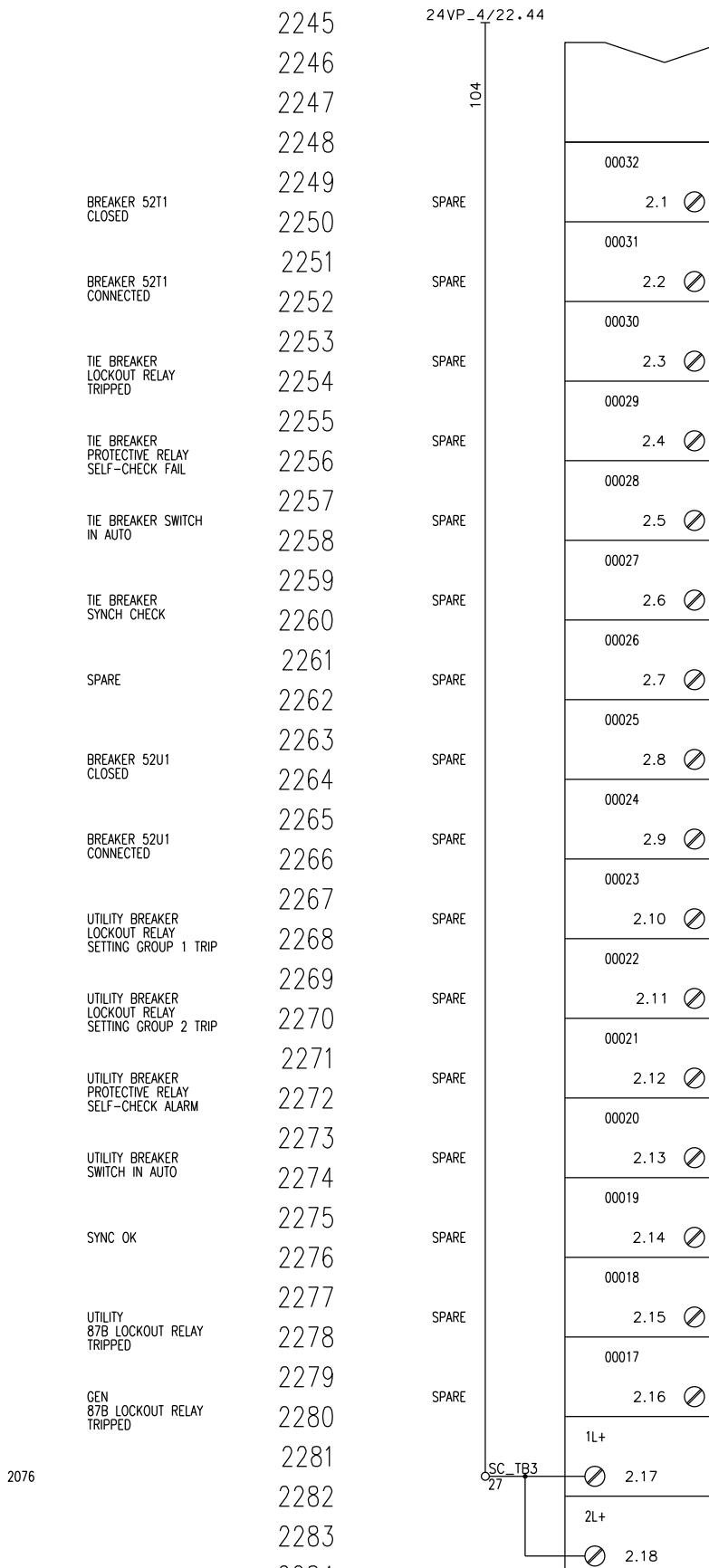
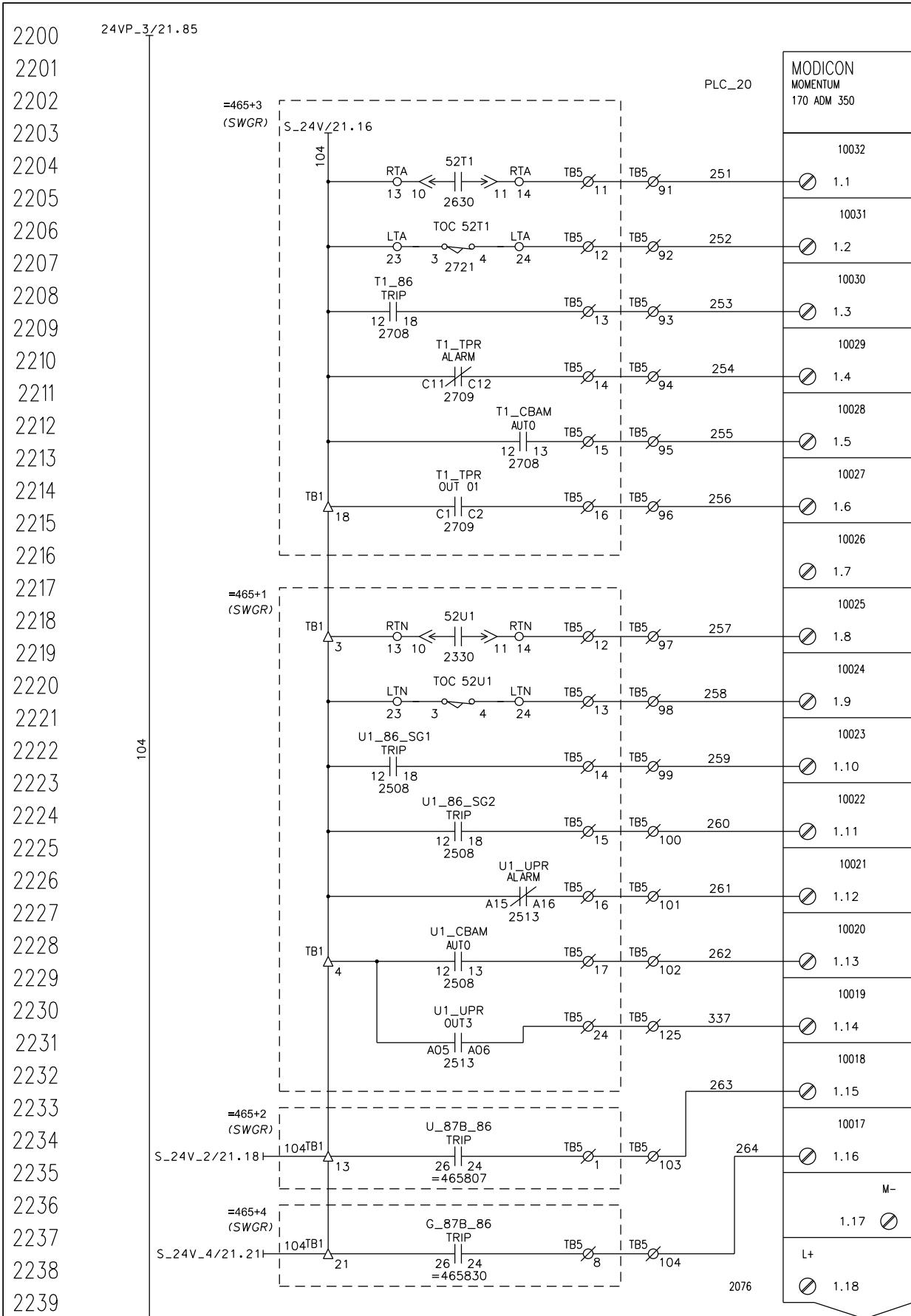
CAE GENERATED DRAWING			PROJECT NO.:	SGP-1297		Kohler Co. Proprietary Information Kohler Co., Waukesha, WI 53188 U.S.A. This drawing contains information of Kohler Co. It is the property of Kohler Co. and must not be disclosed outside the company or used for other purposes. Copying and all rights reserved. Kohler Co. reserves the right to change design without notice or obligation.
REV	DATE	REVISION	BY	PROJECT NAME:	ARMED FORCES RETIREMENT	
-	11-7-08	NEW DRAWING - FOR SUBMITAL [86663]	DMR	ES NO.:	ITEM	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90494	CTRL	
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D/MASS	DATE	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR	11-7-08
				CHECKED	APF	11-7-08
				APPROVED	MEP	11-7-08
SECTION/FUNCTION			SCALE	CD NO.	SHEET	E19 OF 92
1			PUBLISHED	DWG. NO.	SGP-1297	D

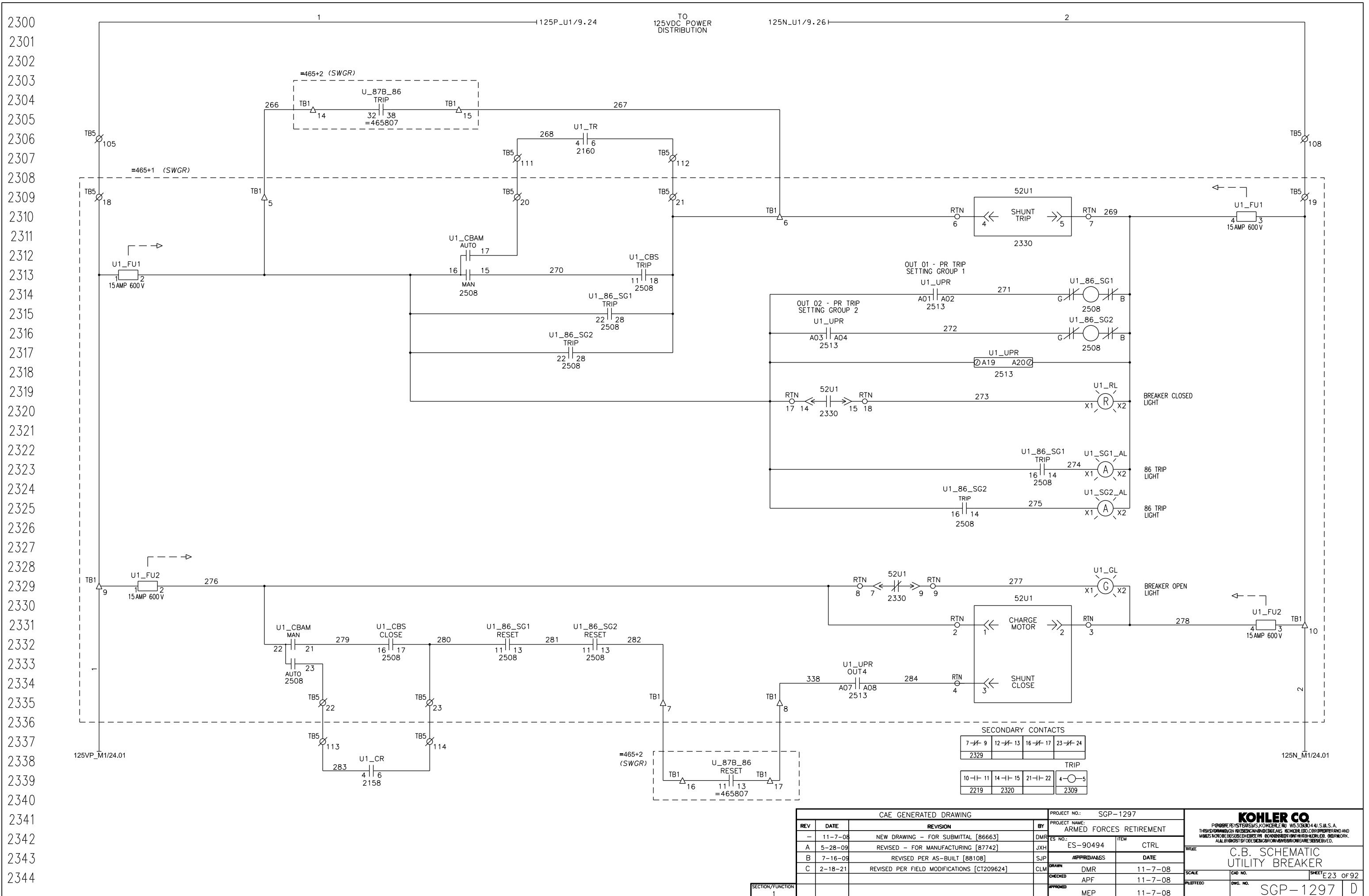


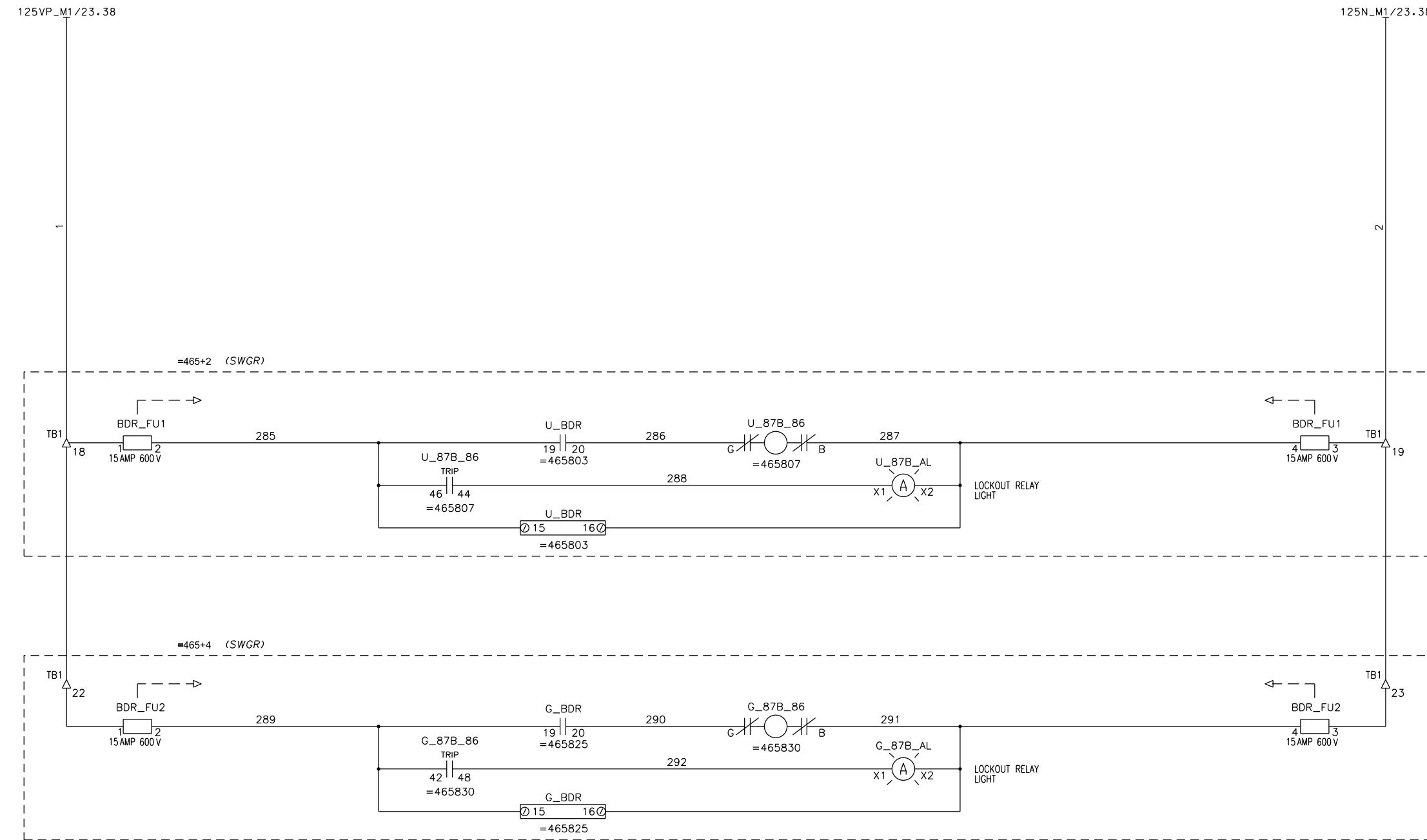
CAE GENERATED DRAWING				PROJECT NO.: SGP-1297		KOHLER CO.	
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT		POWER SYSTEMS, KOHLER, WI 53044 U.S.A. THIS DRAWING, IN DESIGN AND DETAIL, IS KOHLER CO. PROPERTY AND MUST NOT BE USED EXCEPT IN COORDINATION WITH KOHLER CO. WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO.:	ITEM	ES-90494	CTRL
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH				
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROVALS	DATE	TITLE: D.C. SCHEMATIC SYSTEM CONTROL	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR	11-7-08	
				CHECKED	APF	11-7-08	SCALE: CAD NO. SHEET E20 OF 92
				APPROVED	MEP	11-7-08	PLOTTED DWG. NO. SGP-1297 D
SECTION/FUNCTION 1							



CAE GENERATED DRAWING				PROJECT NO.: SGP-1297		KOHLER CO.	
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT		PIONEER SYSTEMS FOR KOMATSU, INC. 1633 E 3RD 44 J.S.L.S.A., THEIR PARTNERSHIP IN DESIGN AND MANUFACTURE KOHLER CO. CHRYSLER GRAND AND MITSUBISHI MOTORS USE KOHLER EXCITERS. COMMENDATION FROM WHICH KOHLER, DOD WORK, ALSO IRG MOST OF THE DESIGN FOR THE VEHICLE ARE DESIGNED. TITLE: D.C. SCHEMATIC SYSTEM CONTROL	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO.: ES-90494	ITEM CTRL		
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH				
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROVALS	DATIE		
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08		
			CHECKED	APF	11-7-08	SCALE	CAD NO.
			APPROVED	MEP	11-7-08	PILOTED	SHEET E21 OF 92
SECTION/FUNCTION 1						DWG. NO.	SGP-1297 D

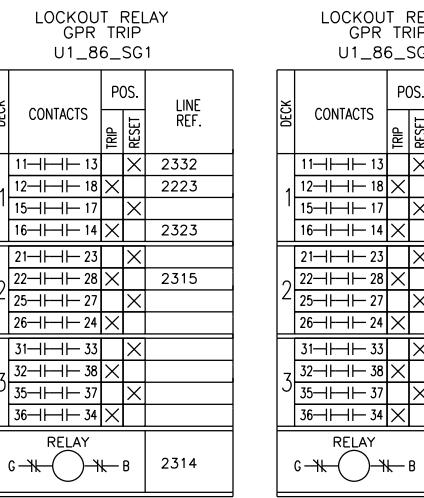
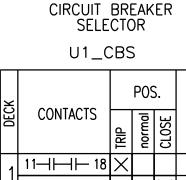
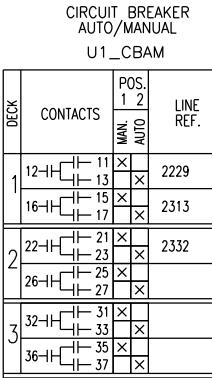




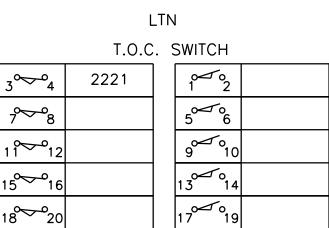
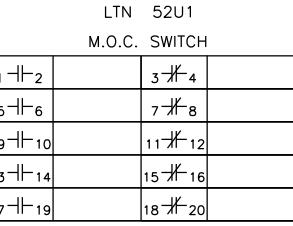
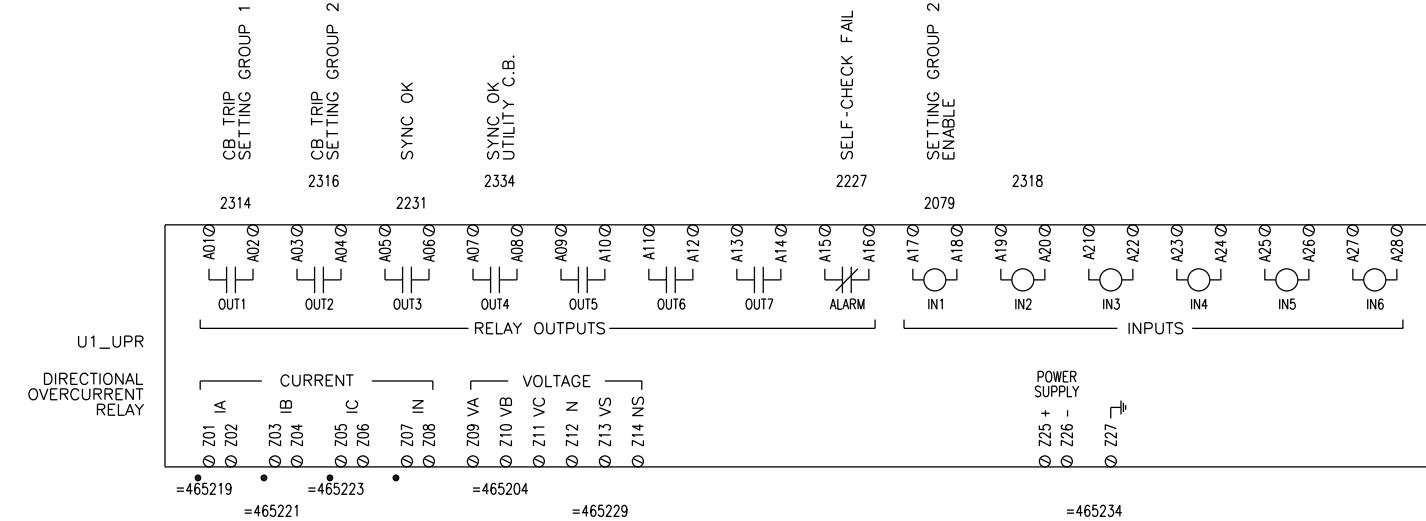


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REV	DATE	REVISION	PROJECT NAME:	ITEM	DMR NO.:			
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	ARMED FORCES RETIREMENT					
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90494	CTRL			
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV/MASS	DATE			
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08			
				CHECKED APF	11-7-08			
				APPROVED MEP	11-7-08			
SECTION/FUNCTION 1			SCALE	CAD NO.	SHEET	E24	OF	92
			PUBLISHED	DWG. NO.				

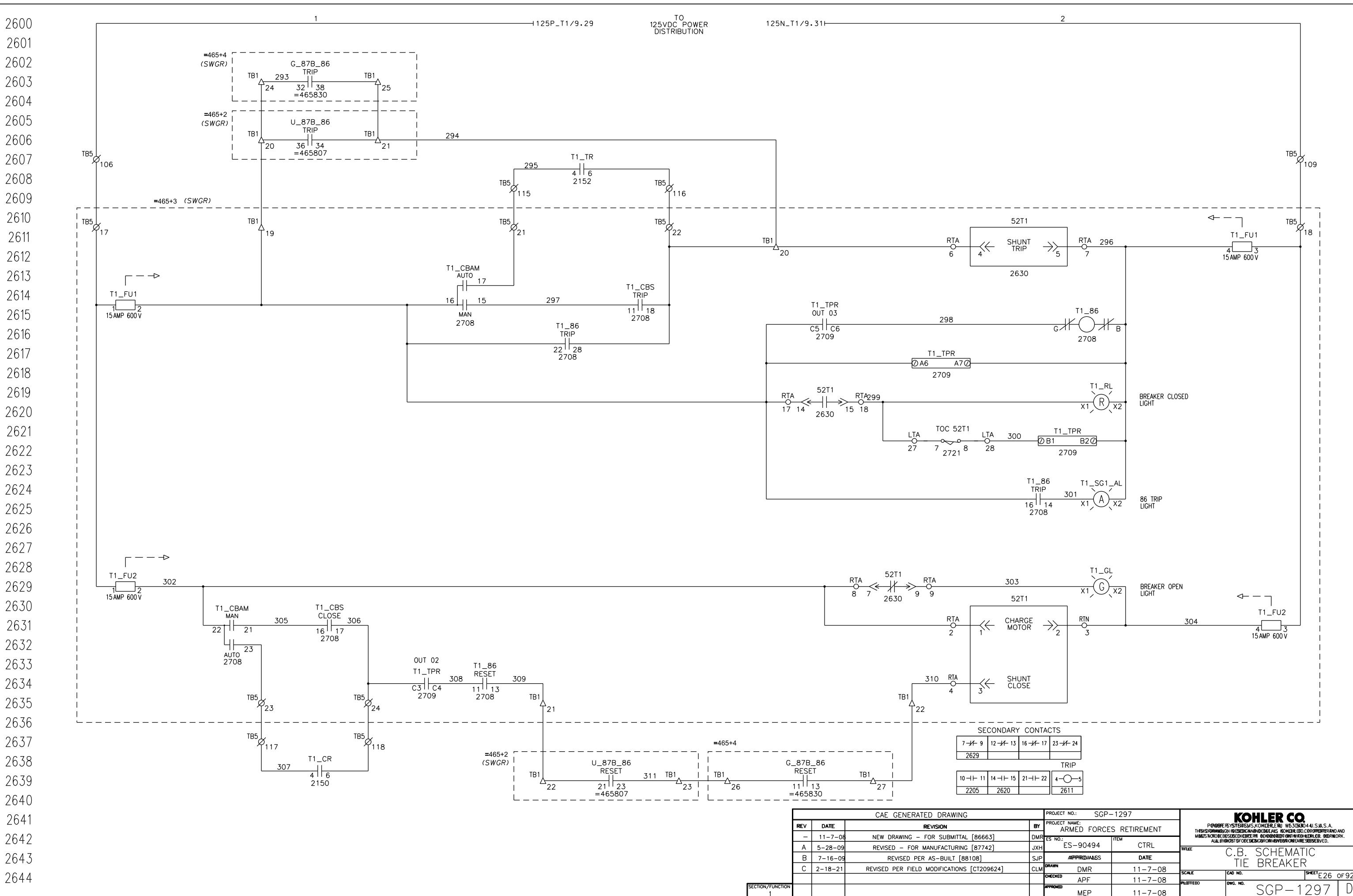
=465+1 (SWCR)



LOCKOUT RELAY
GPR TRIP
U1_86_SG2



CAE GENERATED DRAWING			PROJECT NO.:	SGP-1297		Kohler Co. Power Systems Division W530300A41 S.W.A. This drawing is furnished under contract with Kohler Co., Crookston, and must not be disclosed or copied without the written consent of Kohler Co. All rights reserved. No part of this drawing may be reproduced.
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DRM ES NO.:	ES-90494	CTRL	C.B. SCHEMATIC UTILITY BREAKER REF
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH			
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D/ASS	DATE	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08	
			CHECKED APF		11-7-08	SCALE CAD NO. SHEET E25 OF 92
			APPROVED MEP		11-7-08	PUBLISHED DWG. NO. SGP-1297 D



=465+3 (SWGR)

CIRCUIT BREAKER
AUTO/MANUAL
T1_Cbam

DECK	CONTACTS	POS. 1 2	LINE REF.
	MAN AUTO	TRIP	RESET
1	12-II-11 X 13 X	X	2213
	16-II-15 X 17 X	X	2615
2	22-II-21 X 23 X	X	2631
	26-II-25 X 27 X	X	
3	32-II-31 X 33 X	X	
	36-II-35 X 37 X	X	

CIRCUIT BREAKER
SELECTOR
T1_Cbs

DECK	CONTACTS	POS. 1 2	LINE REF.
	MAN AUTO	TRIP	RESET
1	11-II-18 X	X	2615
	16-II-17 X	X	2631

LOCKOUT RELAY
GPR TRIP
T1_86

DECK	CONTACTS	POS. 1 2	LINE REF.
	MAN AUTO	TRIP	RESET
1	11-II-18 X	X	2615
	16-II-17 X	X	2631
2	21-II-23 X	X	2617
	22-II-28 X	X	
	25-II-27 X	X	
	26-II-24 X	X	
3	31-II-33 X	X	
	32-II-38 X	X	
	35-II-37 X	X	
	36-II-34 X	X	
	RELAY		
	C N B		2616

LTA 52T1

M.O.C. SWITCH

1-II-2		3-II-4	
5-II-6		7-II-8	
9-II-10		11-II-12	
13-II-14		15-II-16	
17-II-19		18-II-20	

CLOSED "a" OPEN "b"

LTA

T.O.C. SWITCH

3-O-4	2207	8-O-2	
7-O-8	2622	5-O-6	
1-O-12		9-O-10	
15-O-16		13-O-14	
18-O-20		17-O-19	

(CONTACTS SHOWN CONNECTED)

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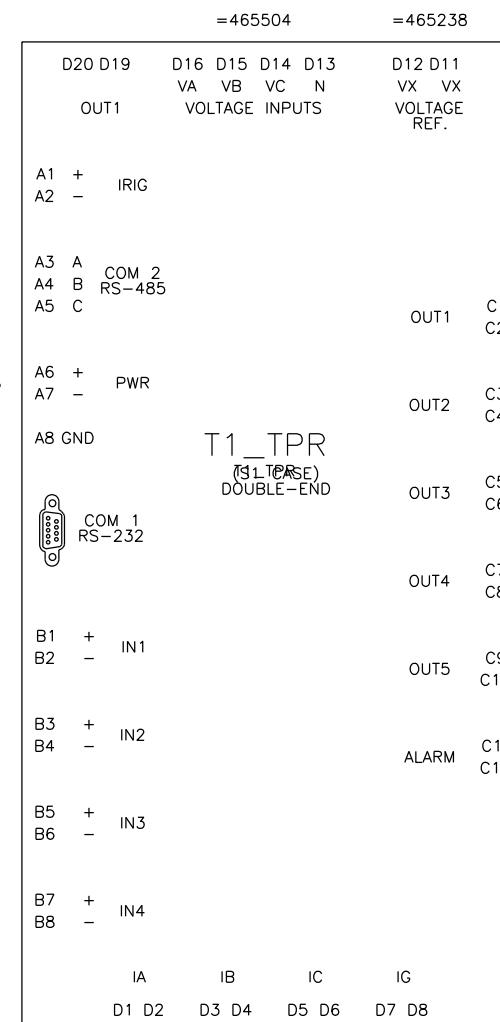
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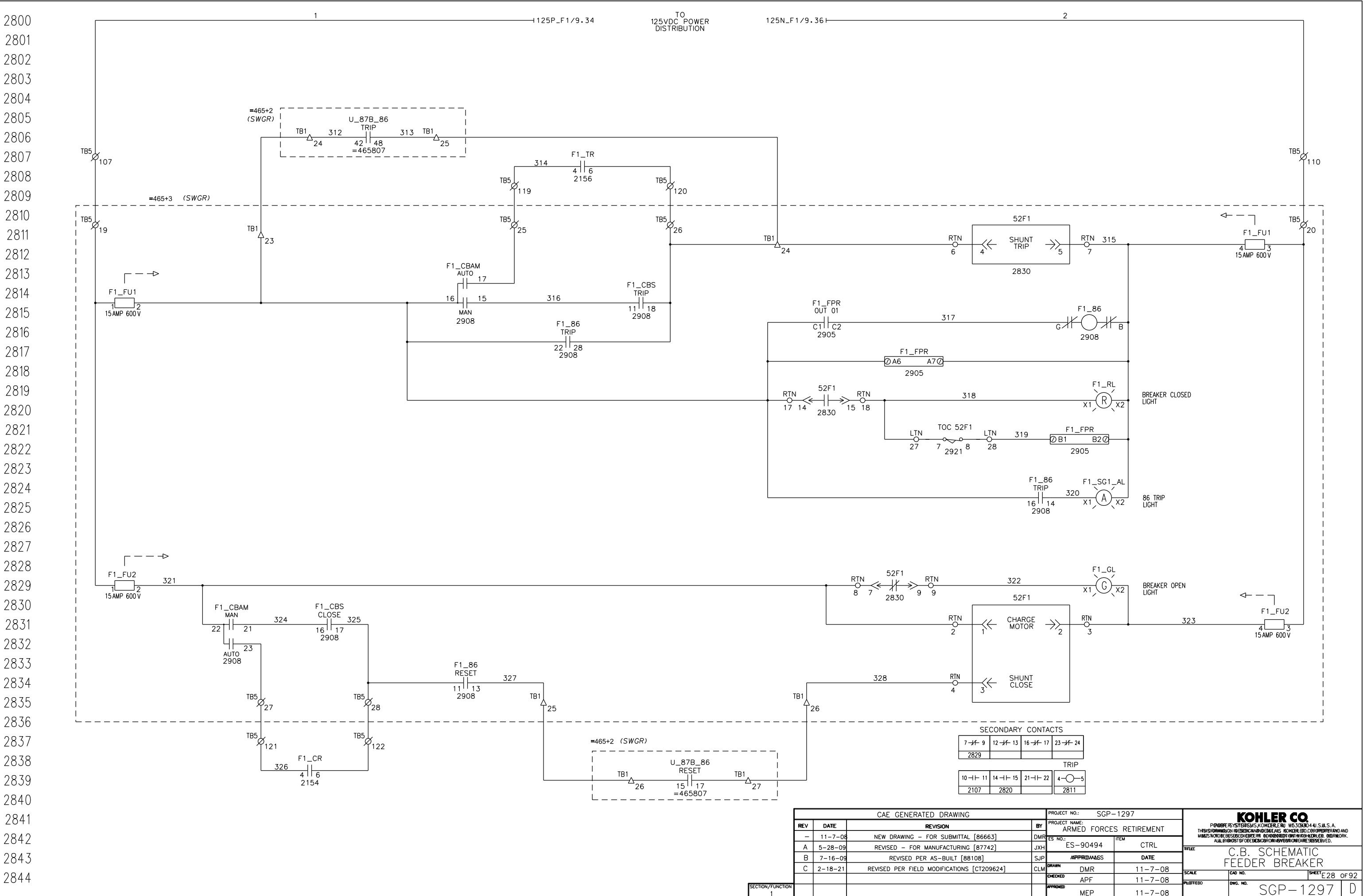
CAE GENERATED DRAWING			PROJECT NO.: SGP-1297		
REV	DATE	REVISION	BY	PROJECT NAME:	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ARMED FORCES RETIREMENT	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	DES NO.:	
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	ITEM	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	APPROV'D BY	
			DRAWN	DMR	DATE
			CHECKED	APF	11-7-08
			APPROVED	MEP	11-7-08
SECTION/FUNCTION 1			PUBLISHED	DWG. NO.	SCALE
			PUBLISHED	SGP-1297	E27 OF 92

KOHLER CO.

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C.B. SCHEMATIC
TIE BREAKER REF

SGP-1297 D



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=465+3 (SWGR)

CIRCUIT BREAKER
AUTO/MANUAL
F1_Cbam

DECK	CONTACTS	POS. 1 2	LINE REF.
	MAN AUTO	OPEN	
1	12-II-11 X 13 X	X	2115
	16-II-15 X 17 X	X	2815
2	22-II-21 X 23 X	X	2831
	26-II-25 X 27 X	X	
3	32-II-31 X 33 X	X	
	36-II-35 X 37 X	X	

CIRCUIT BREAKER
SELECTOR
F1_Cbs

DECK	CONTACTS	POS. 1	LINE REF.
	TRIP	norm. CLOSE	
1	11-II-18 X	X	2815
	16-II-17 X	X	2831

LOCKOUT RELAY
GPR TRIP
F1_86

DECK	CONTACTS	POS. 1	LINE REF.
	TRIP	RESET	
1	11-II-18 X	X	2834
	16-II-17 X	X	2111
	15-II-14 X	X	2825
2	21-II-23 X	X	2817
	22-II-28 X	X	
	25-II-27 X	X	
	26-II-24 X	X	
3	31-II-33 X	X	
	32-II-38 X	X	
	35-II-37 X	X	
	36-II-34 X	X	

RELAY

C

B

2816

LTN 52F1
M.O.C. SWITCH

1-II-2		3-II-4	
5-II-6		7-II-8	
9-II-10		11-II-12	
13-II-14		15-II-16	
17-II-19		18-II-20	

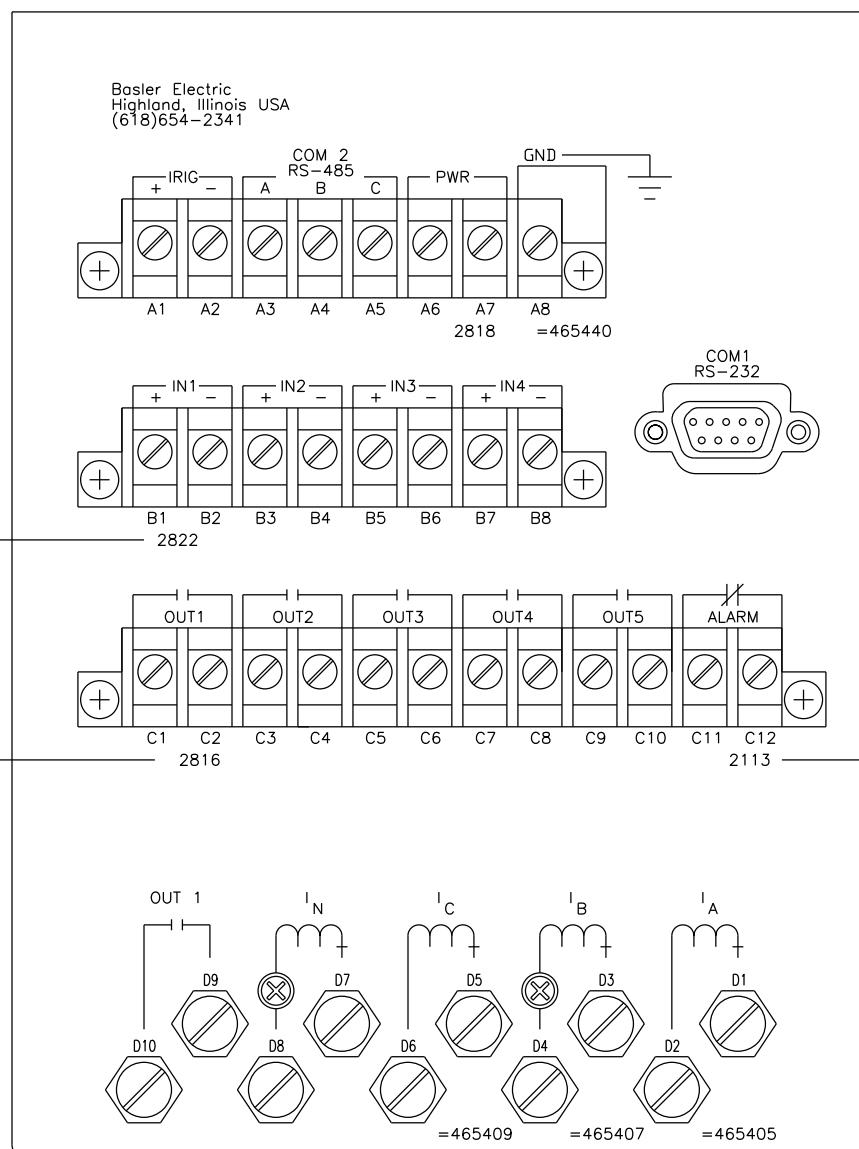
CLOSED "a" OPEN "b"

LTN
T.O.C. SWITCH

3-O-4	2109	5-O-6	
7-O-8	2822	9-O-10	
11-O-12		13-O-14	
15-O-16		17-O-19	
18-O-20			

(CONTACTS SHOWN CONNECTED)

F1_FPR



CAE GENERATED DRAWING			PROJECT NO.: SGP-1297		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	BY
-	11-7-08	NEW DRAWING - FOR SUBMITAL [86663]	DMR'S NO.:	ES-90494	ITEM
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	CTRL	
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D BY	DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DMR	11-7-08
			DRAWN	APF	11-7-08
			CHECKED	MEP	11-7-08
			APPROVED		

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POWER SYSTEMS KODAK, NY 14530 U.S.A.
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SECTION/FUNCTION
1

C.B. SCHEMATIC
FEEDER BREAKER REF

SCALE CAD NO. SHEET E29 OF 92

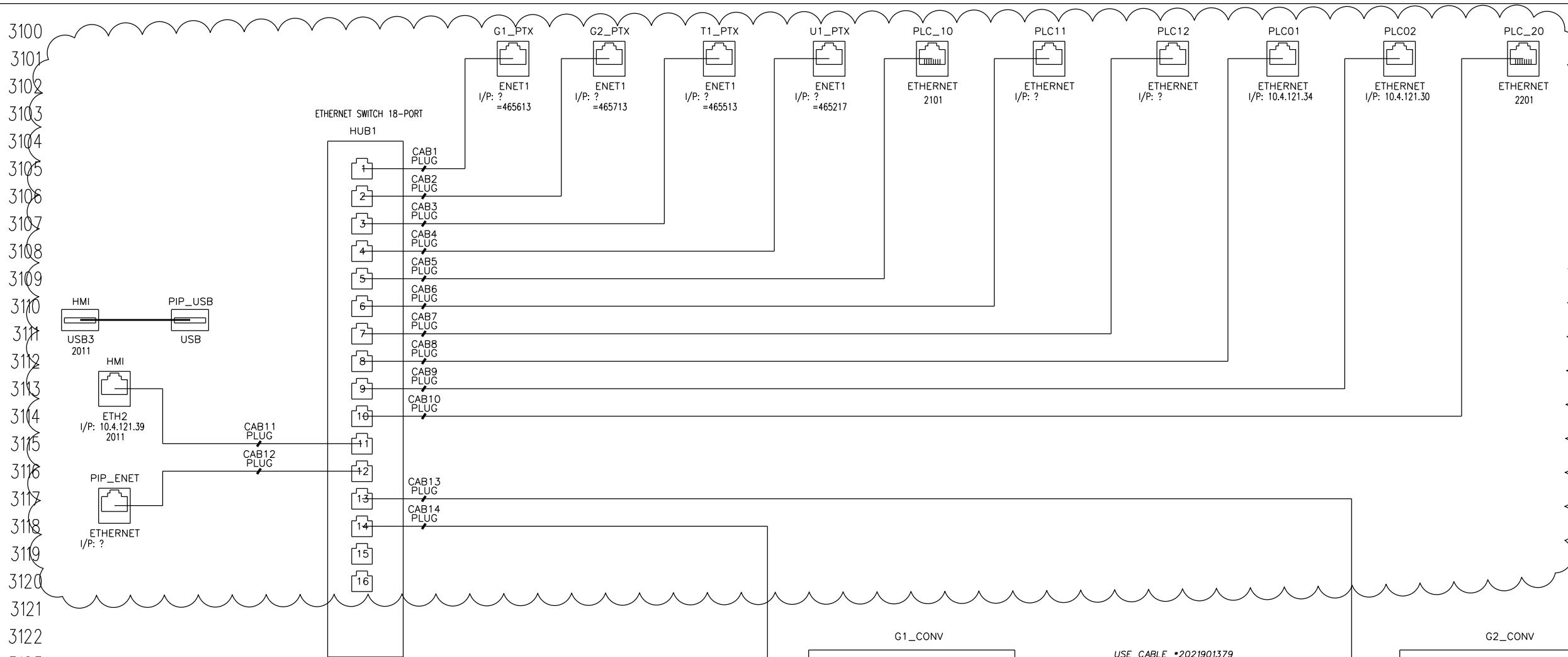
APPROVED DWG. NO. SGP-1297 D

SIGNALS FOR CUSTOMER USE

3000
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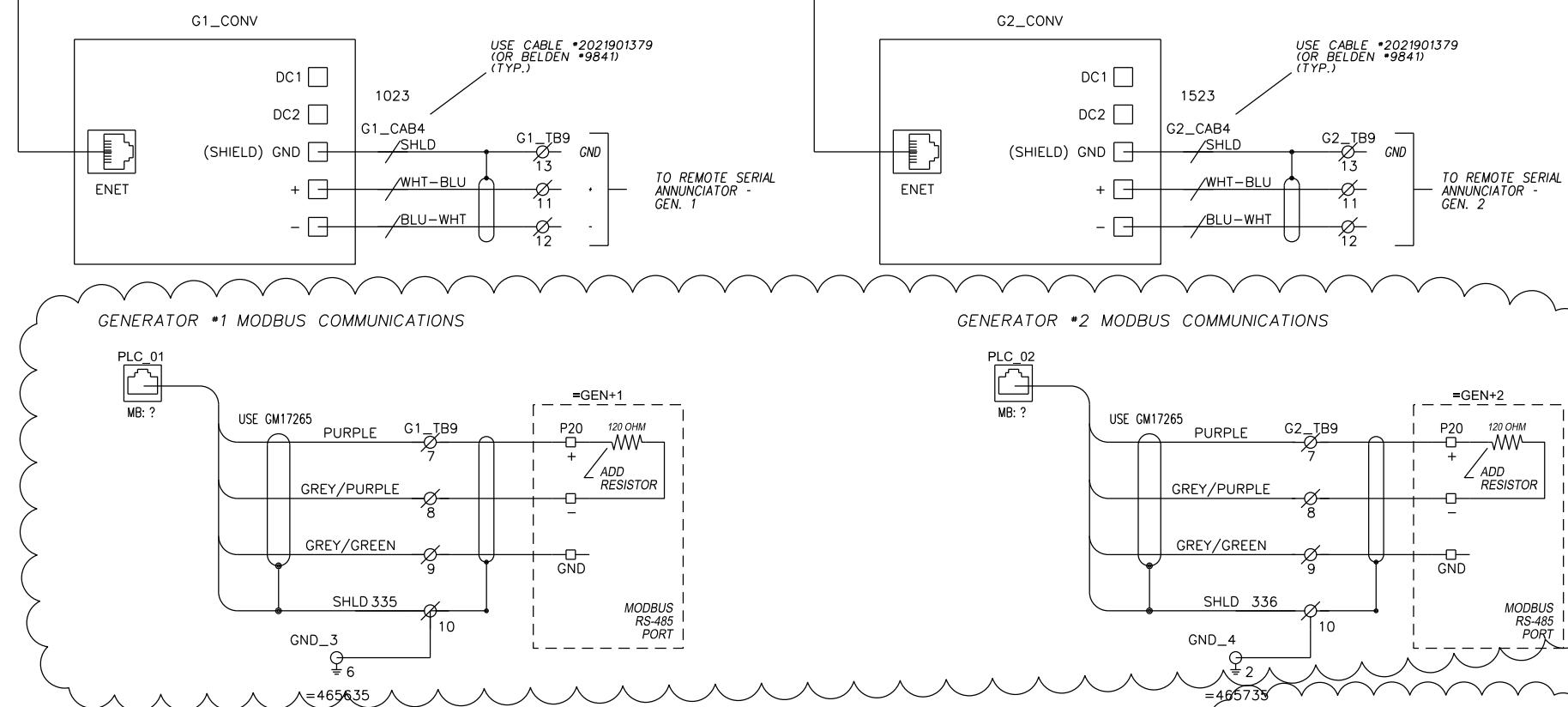
CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			KOHLER CO. P.O. BOX 1000, KOHLER, WI 53044 U.S.A. THIS DRAWING IS UNCLASSIFIED AND IS NOT CONTROLLED BY THE AUTOMATIC DOWNGRADING AND DECLASSIFICATION PROCESSES OF THE NUCLEAR SECURITY WORKFORCE. ALL RIGHTS RESERVED IN CONVENTIONAL WORK.		
REV	DATE	REVISION	BY	PROJECT NAME:	ITEM			
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ARMED FORCES RETIREMENT				
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90494	CTRL			
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D AS-BUILT	DATE			
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR	11-7-08		
				CHECKED	APF	11-7-08		
				APPROVED	MEP	11-7-08		
SECTION/FUNCTION 1			SCALE	CAD NO.	SHEET	E 30 OF 92		
			PUBLISHED	DWG. NO.				
							SGP-1297	D



COMMUNICATIONS INFO

<u>DEVICE_ID</u>	<u>TCP/IP</u>	<u>MB+</u>	<u>MB</u>	<u>NOTES</u>
PLC_10	10.4.121.33	10	-	
PLC_01	10.4.121.34	01	01	NOTE 2
PLC_02	10.4.121.35	02	01	NOTE 2
PIP	10.4.121.38	-	-	NOTE 3
HMI	10.4.121.39	-	-	
G1_CONV (RSA)	10.4.121.40	-	01	NOTE 2
G2_CONV (RSA)	10.4.121.41	-	01	NOTE 2
PLC_11_01	-	11	-	
PLC_12_01	-	12	-	
PLC_20	-	20	-	
G1_PTX	-	21	-	SW4 = 1 SW3 = 4
G2_PTX	-	22	-	SW4 = 1 SW3 = 5
U1_PTX	-	30	-	SW4 = 1 SW3 = D
T1_PTX	-	40	-	SW4 = 2 SW3 = 7

NOTES:
1. SUBNET MASK = 255.255.248.0, GATEWAY = 0.0.0.0.
2. RTU 485 SETTINGS ARE 19200, 8, N, 1.
3. THIS IP ADDRESS IS USED FOR PROGRAMMING VIA LAPTOP.



MODBUS PLUS
MODBUS 485
TCP/IP

CAE GENERATED DRAWING				PROJECT NO.: SGP-1297	
REV	DATE	REVISION	BY	ARMED FORCES RETIREMENT	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90464	ITEM CTRL
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH		
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP		
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08
			CHECKED APF		11-7-08
			APPROVED MEP		11-7-08
SECTION/FUNCTION 1				PLOTTED DWG. NO. SGP-1297	D

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POWER SYSTEMS, KOHLER, WI 53534 U.S.A.
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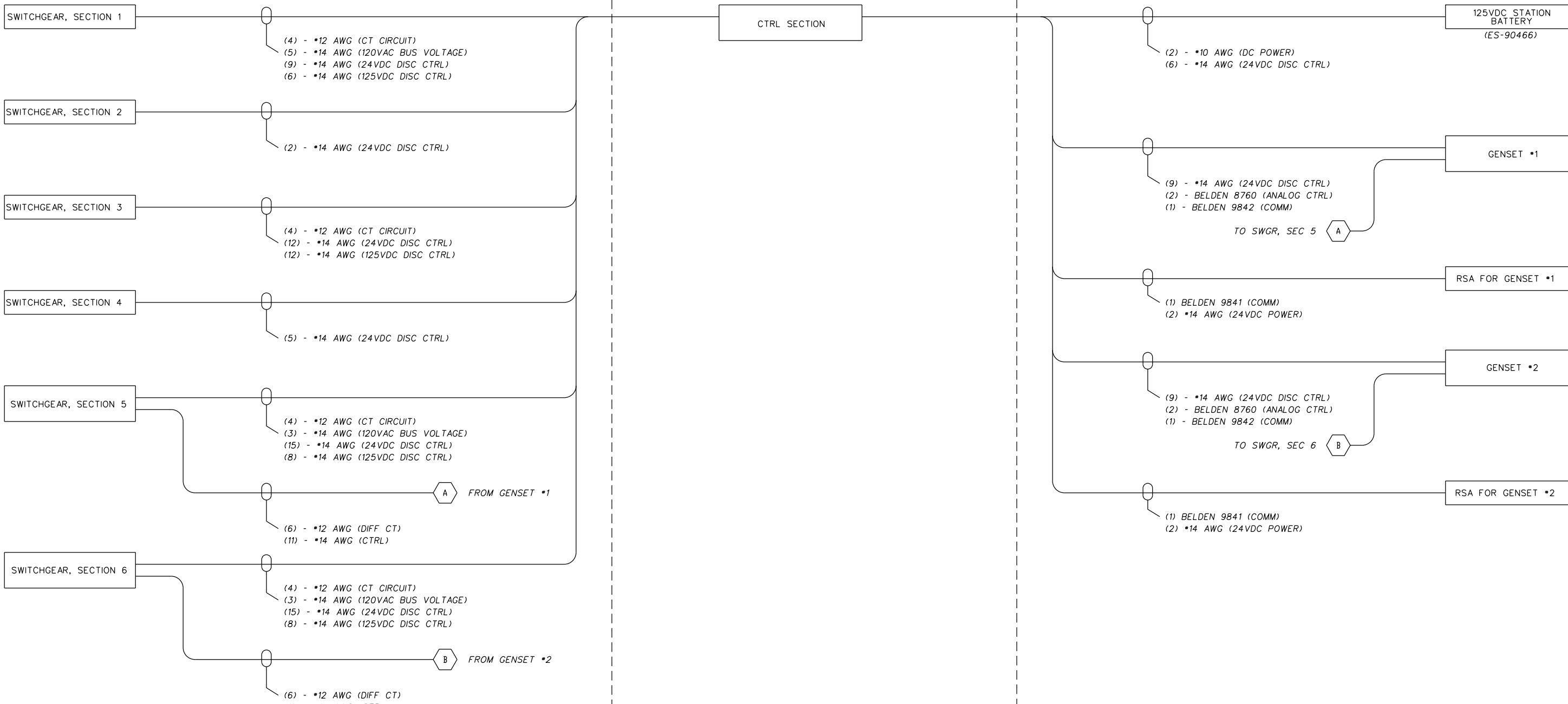
D.C. SCHEMATIC
COMMUNICATIONS

SGP-1297 D

**SWITCHGEAR LINE-UP
(ES-90465)**

**CONTROL SECTION
(ES-90494)**

GENERATORS



NOTES:

1. POWER CONNECTIONS NOT SHOWN.

2. WIRE SIZE & QUANTITYS ARE MINIMUM REQUIRED, SPARES NOT INCLUDED.

3. SEE GENERATOR INSTALLATION GUIDE FOR COMPLETE GENERATOR CONNECTION INFORMATION.

4. ALL CONTROL WIRES TO BE 600V 90° STRANDED.

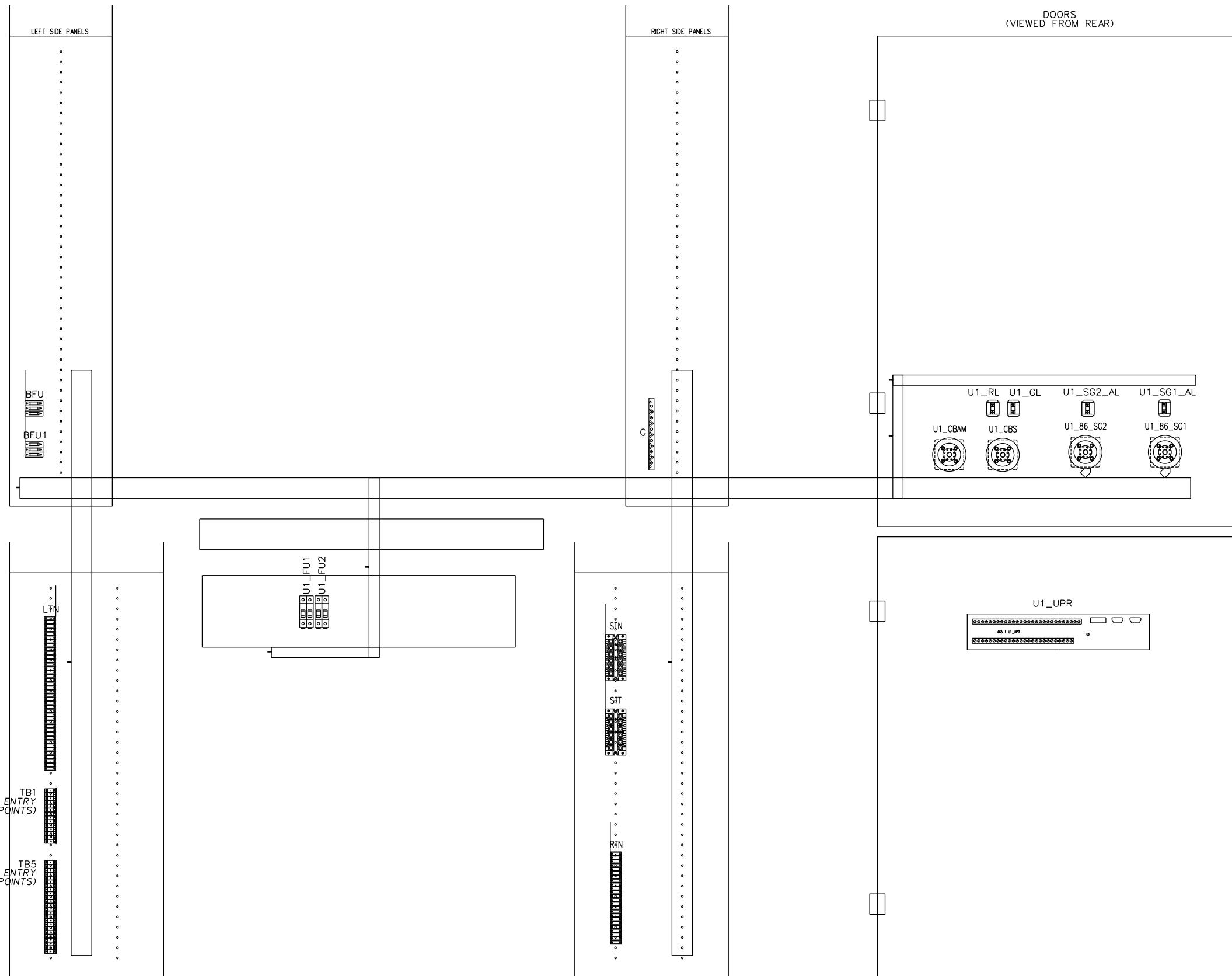
5. CONNECTIONS SHOWN ON THIS DRAWING ARE FOR PLANNING PURPOSES ONLY. SEE CUSTOMER INTERCONNECT FOR SPECIFIC CONNECTIONS.

6. 125VDC STATION BATTERY WIRING SHALL BE *10 AWG WIRE (MINIMUM), FOR WIRE LENGTHS OF 150 FEET OR LESS (ONE WAY). FOR WIRE LENGTHS GREATER THAN 150 FEET, PLEASE CONSULT FACTORY FOR PROPER WIRE GAUGE SIZING.

CAE GENERATED DRAWING				PROJECT NO.: SGP-1297	Kohler Co.	
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT	ITEM	SCALE
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90494	CTRL	CAD NO. SHEET
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH		APPROVAL DATE	E32 OF 92
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP		DRAWN DMR	11-7-08
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM		CHECKED APF	11-7-08
					APPROVED MEP	11-7-08
SECTION/FUNCTION 0						SGP-1297 D

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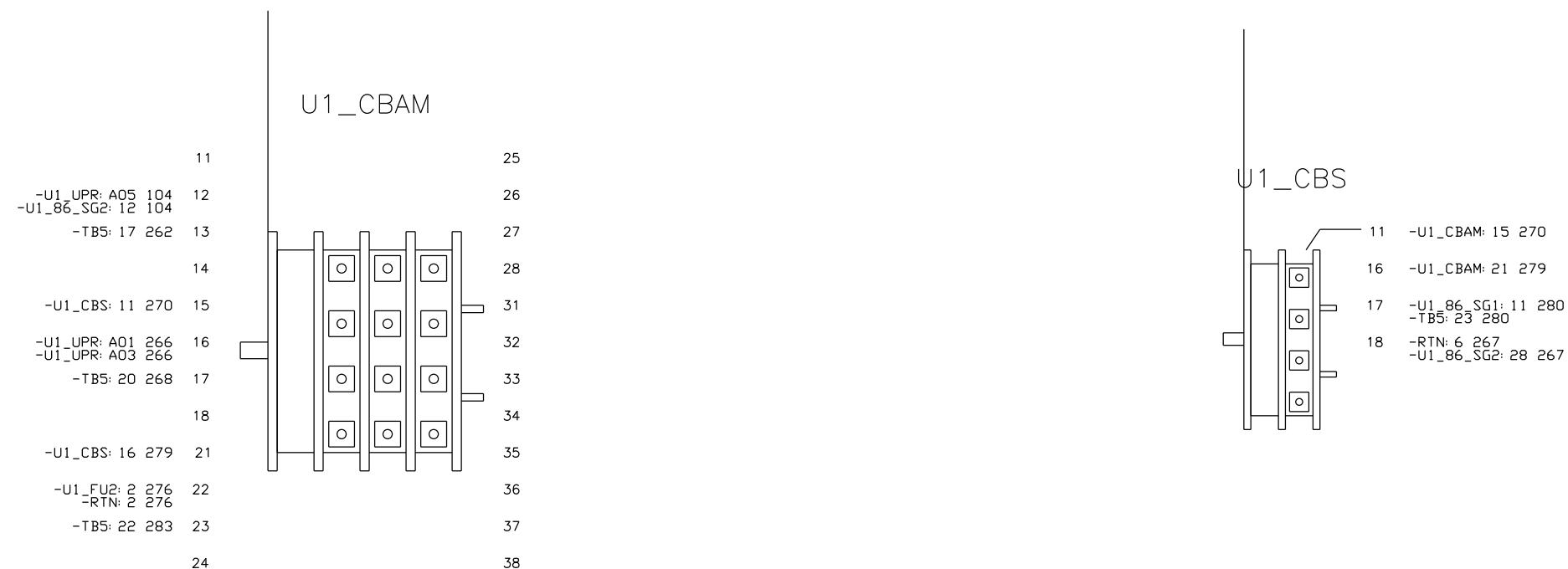
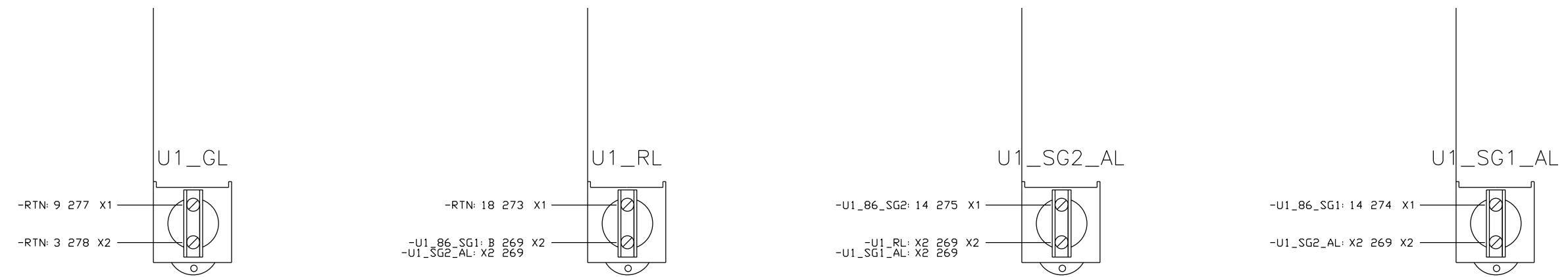
**CUSTOMER INTERCONNECT
PLANNING DIAGRAM**



DEVICE ID	PART*
U1_CBAM	X-6108-8,X-6108-72
U1_CBS	X-6108-4
U1_FU1	X-6129-20,X-6135-6,X-6135-6
U1_FU2	X-6129-20,X-6135-6,X-6135-6
U1_GL	X-6127-78,X-6127-83
U1_RL	X-6127-84,X-6127-79
U1_SG1_AL	X-6127-80,X-6127-85
U1_SG2_AL	X-6127-80,X-6127-85
U1_UPR	X-6156-126
U1_86_SC1	X-6155-9
U1_86_SC2	X-6155-9

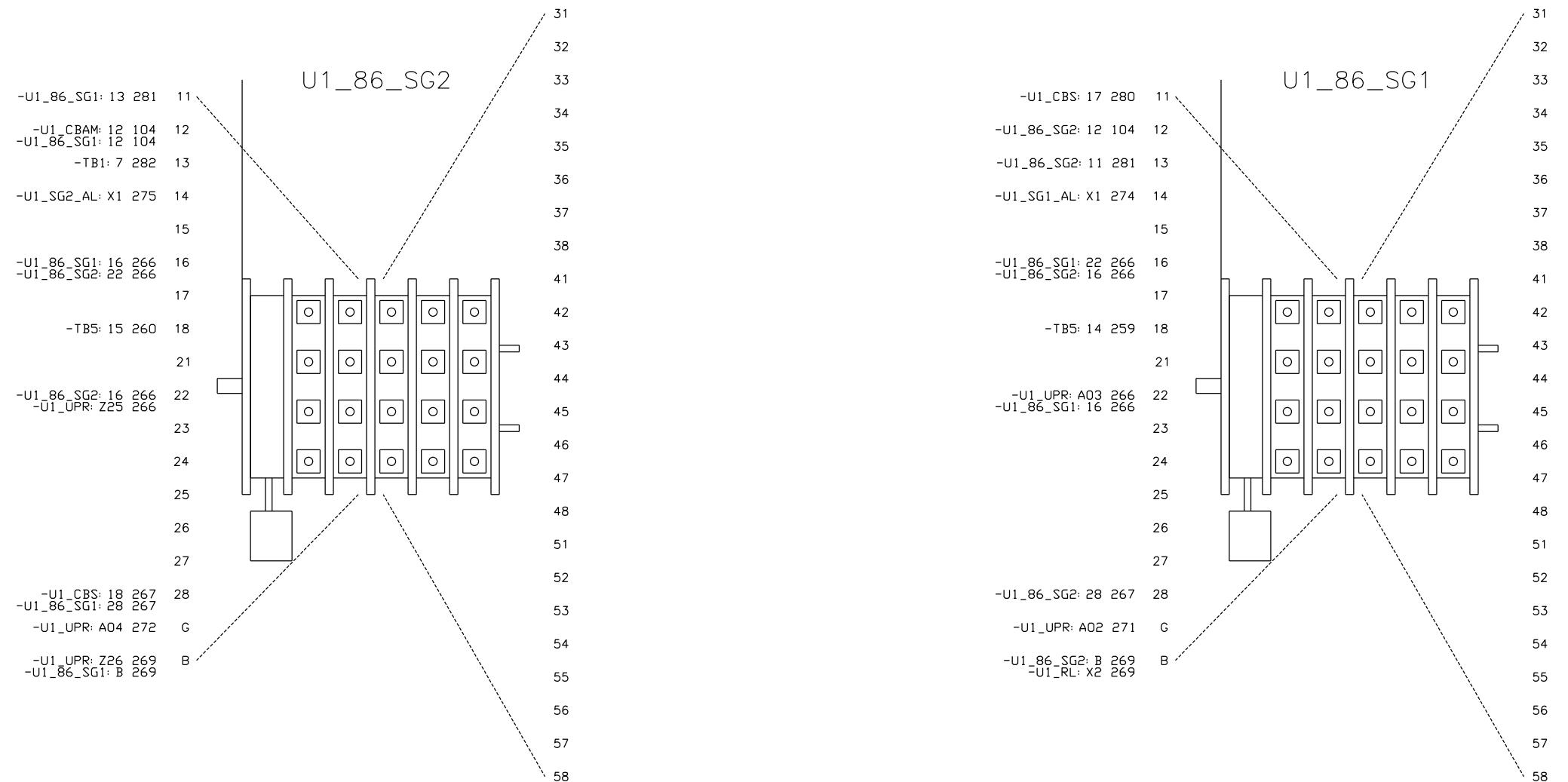
CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			KOHLER CO.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	PANEL LAYOUT SECTION 1 - SWGR		
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR ES NO.:	ES-90465	ITEM SWGR	PANEL LAYOUT SECTION 1 - SWGR		
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH			PANEL LAYOUT SECTION 1 - SWGR		
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D AS	DATE	PANEL LAYOUT SECTION 1 - SWGR		
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08	PANEL LAYOUT SECTION 1 - SWGR		
				CHECKED APF	11-7-08	PANEL LAYOUT SECTION 1 - SWGR		
				APPROVED MEP	11-7-08	PANEL LAYOUT SECTION 1 - SWGR		
SECTION/FUNCTION 1			SCALE	CAD NO.	Sheet E33 OF 92	PANEL LAYOUT SECTION 1 - SWGR		
			PUBLISHED	DWG. NO.	SGP-1297 D			

DOOR - UPPerU
(VIEWED FROM REAR)



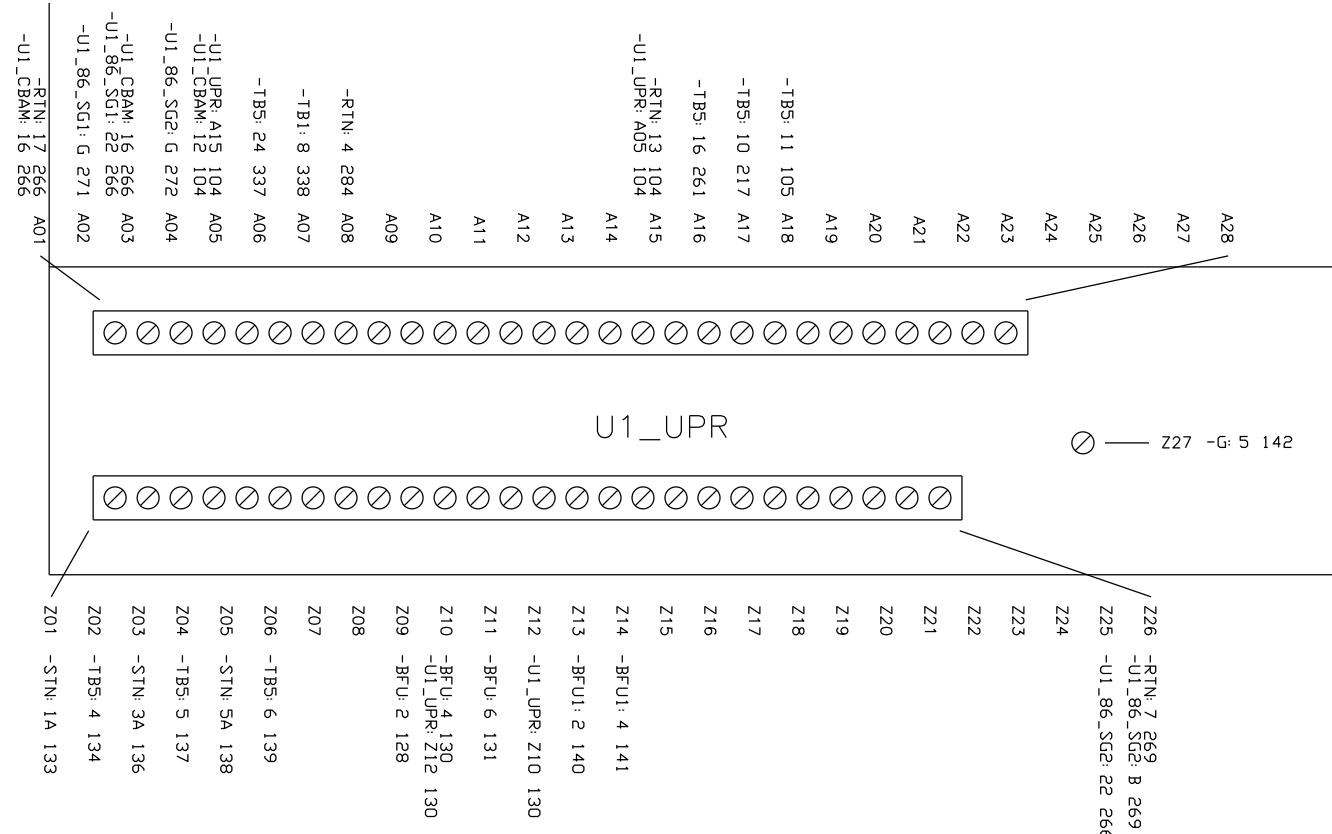
CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			Kohler Co.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	DES. NO.:	APPROV'D BY	DATE
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90465	SWGR			
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH					
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP					
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08			
				CHECKED APF	11-7-08			
				APPROVED MEP	11-7-08			
SECTION/FUNCTION 1			SCALE	CAD NO.	SHEET E34 OF 92			
			PUBLISHED	DWG. NO.	SGP-1297 D			

DOOR - UPPERTU
(VIEWED FROM REAR)



CAE GENERATED DRAWING				PROJECT NO.: SGP-1297		KOHLER CO.		
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT		PIONEER IN INDUSTRIAL KOHLER CO. WAS ESTABLISHED 4/1/1913, U.S.A. THESE DRAWINGS ARE THE PROPERTY OF KOHLER CO., MILWAUKEE, WISCONSIN, AND ARE CONFIDENTIAL AND MAY NOT BE COPIED OR REPRODUCED EXCEPT IN CONFORMITY WITH THE KOHLER WORK ORDER. ALL RIGHTS RESERVED ON THIS DRAWING ARE RESERVED.		
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO.: ES-90465	ITEM SWGR			
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH					
B	7-16-09	REVISED PER AS-BUILT [88108]	SUP	APPROV'D BY MANUFACTURER	DATE			
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN APF	11-7-08	SCALE 1:1	CAD NO. SGP-1297	HEET E 35 OF 92
				CHECKED MEP	11-7-08	PILOTTED D	DWG. NO. SGP-1297	
SECTION/FUNCTION 1				APPROVED MEP	11-7-08			

DOOR - LOWERu
(VIEWED FROM REAR)



CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			Kohler Co.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	WIRE DIAGRAM SECTION 1 - SWGR		
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DRM ES NO.:	ES-90465	SWGR	SECTION 1 - SWGR		
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH			SECTION 1 - SWGR		
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D AS	DATE	SECTION 1 - SWGR		
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08	SECTION 1 - SWGR		
				CHECKED APF	11-7-08	SECTION 1 - SWGR		
				APPROVED MEP	11-7-08	SECTION 1 - SWGR		
SECTION/FUNCTION 1			SCALE CAD NO. SHEET E36 OF 92			PUBLISHED DWG. NO. SGP-1297 D		

LEFT SIDE PANEL - UPPERu

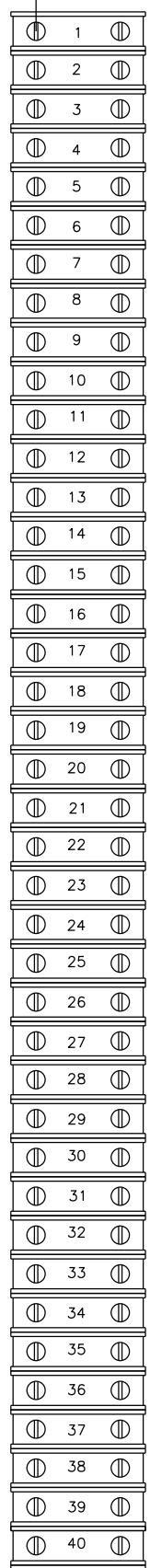
BFU

∅	2	-TB5: 1 128 -U1_UPR: Z09 128
∅	4	-TB5: 2 130 -U1_UPR: Z10 130
∅	6	-TB5: 3 131 -U1_UPR: Z11 131

BFU1

∅	2	-TB1: 1 140 -U1_UPR: Z13 140
∅	4	-TB1: 2 141 -U1_UPR: Z14 141
∅	6	

LTN



LEFT SIDE PANEL - LOWERu

TB1

∅ 1	-TB5: 8 140 -BFU1: 2 140
∅ 2	-TB5: 9 141 -BFU1: 4 141
∅ 3	-TB1: 4 104 -LTN: 23 104
∅ 4	-TB1: 3 104
∅ 5	-U1_FU1: 2 266
∅ 6	-TB5: 21 267 -RTN: 6 267
∅ 7	-U1_86_SG2: 13 282
∅ 8	-U1_UPR: A07 338
∅ 9	-TB5: 18 1 -U1_FU1: 1 1
∅ 10	-TB5: 19 2 -U1_FU1: 3 2
∅ 11	-STT: 1A 100
∅ 12	-STT: 3A 101
∅ 13	-STT: 5A 102
∅ 14	-STT: 2A 103

TB5

∅ 1	-BFU: 2 128
∅ 2	-BFU: 4 130
∅ 3	-BFU: 6 131
∅ 4	-U1_UPR: Z02 134
∅ 5	-U1_UPR: Z04 137
∅ 6	-U1_UPR: Z06 139
∅ 7	-STN: 2A 135
∅ 8	-TB1: 1 140
∅ 9	-TB1: 2 141
∅ 10	-U1_UPR: A17 217
∅ 11	-U1_UPR: A18 105
∅ 12	-RTN: 14 257
∅ 13	-LTN: 24 258
∅ 14	-U1_86_SG1: 18 259
∅ 15	-U1_86_SG2: 18 260
∅ 16	-U1_UPR: A16 261
∅ 17	-U1_CBAM: 13 262
∅ 18	-TB1: 9 1
∅ 19	-TB1: 10 2
∅ 20	-U1_CBAM: 17 268
∅ 21	-TB1: 6 267
∅ 22	-U1_CBAM: 23 283
∅ 23	-U1_CBS: 17 280
∅ 24	-U1_UPR: A06 337

CAE GENERATED DRAWING

REV	DATE	REVISION	BY	PROJECT NAME:	PROJECT NO.:
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ARMED FORCES RETIREMENT	SGP-1297
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH		
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV/ASS	DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR 11-7-08
				CHECKED	APF 11-7-08
				APPROVED	MEP 11-7-08

SECTION/FUNCTION 1

KOHLER CO.

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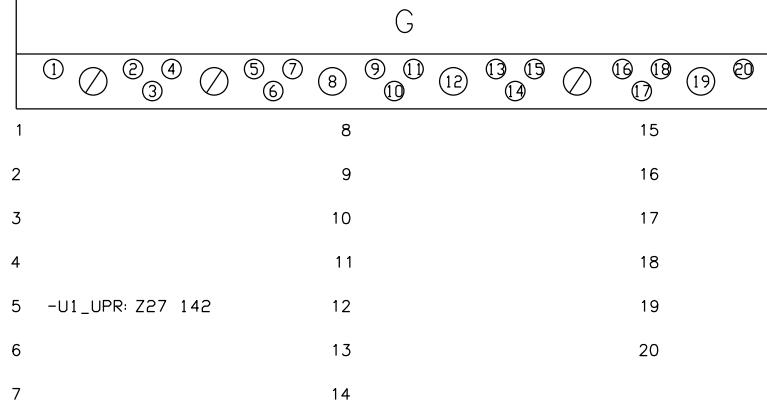
SECTION 1 - SWGR

SCALE CAD NO. SHEET E 37 OF 92

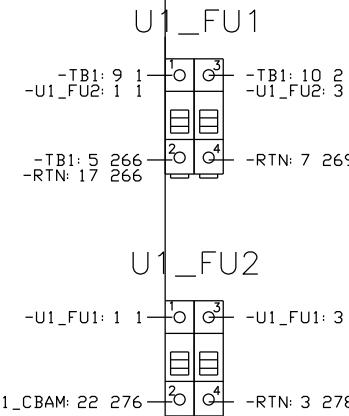
PLOTTED DWG. NO.

SGP-1297 D

RIGHT SIDE PANEL - UPPERu

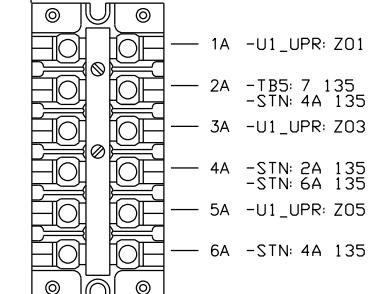


BACK PANELu

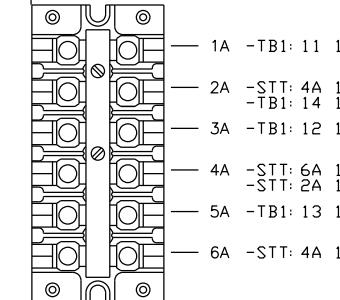


RIGHT SIDE PANEL - LOWERu

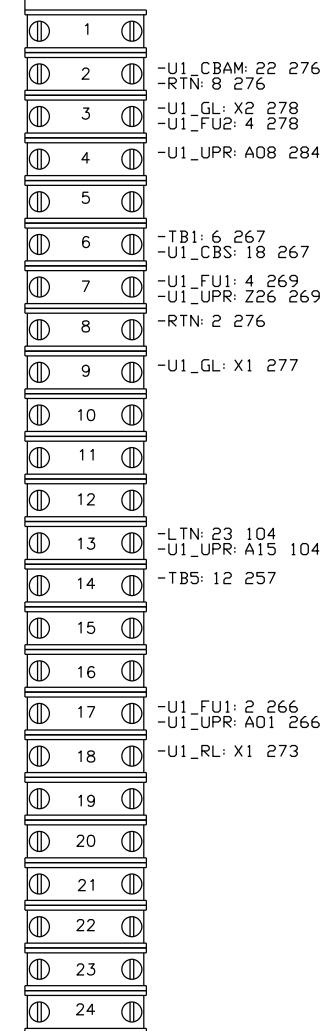
STN



STT

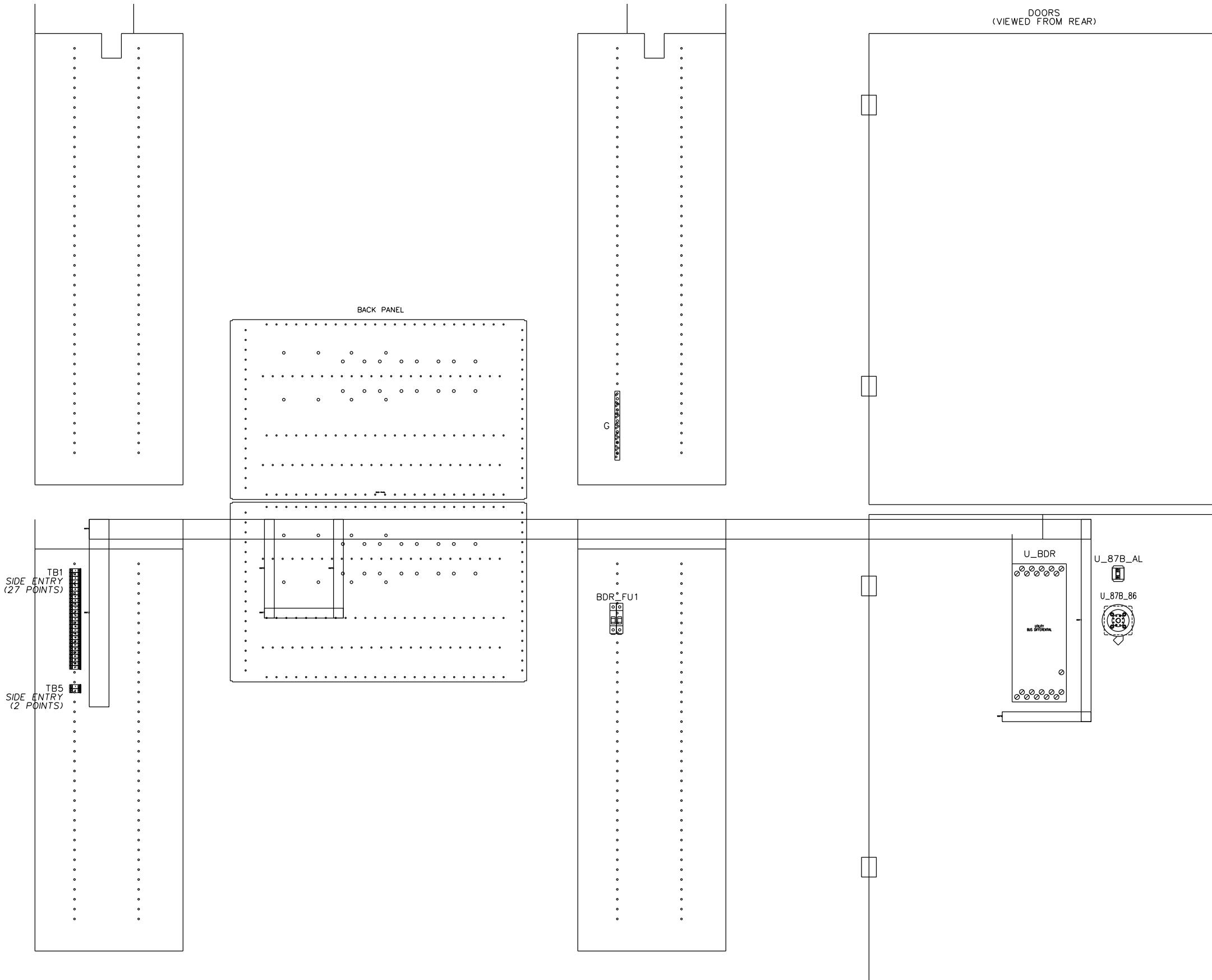


RTN



CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			KOHLER CO.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	DMR NO.:	APPROV'D BY	SWGR
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]				JXH	ES-90465	SWGR
A	5-28-09	REVISED - FOR MANUFACTURING [87742]				SJP	APPROV'D BY	DATE
B	7-16-09	REVISED PER AS-BUILT [88108]				CLM	DMR	11-7-08
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]				APPROVED	APF	11-7-08
						APPROVED	MEP	11-7-08
SECTION/FUNCTION 1			SCALE	CAD NO.	SHEET	E38	OF	92
			PUBLISHED	DWG. NO.				

DOORS
(VIEWED FROM REAR)



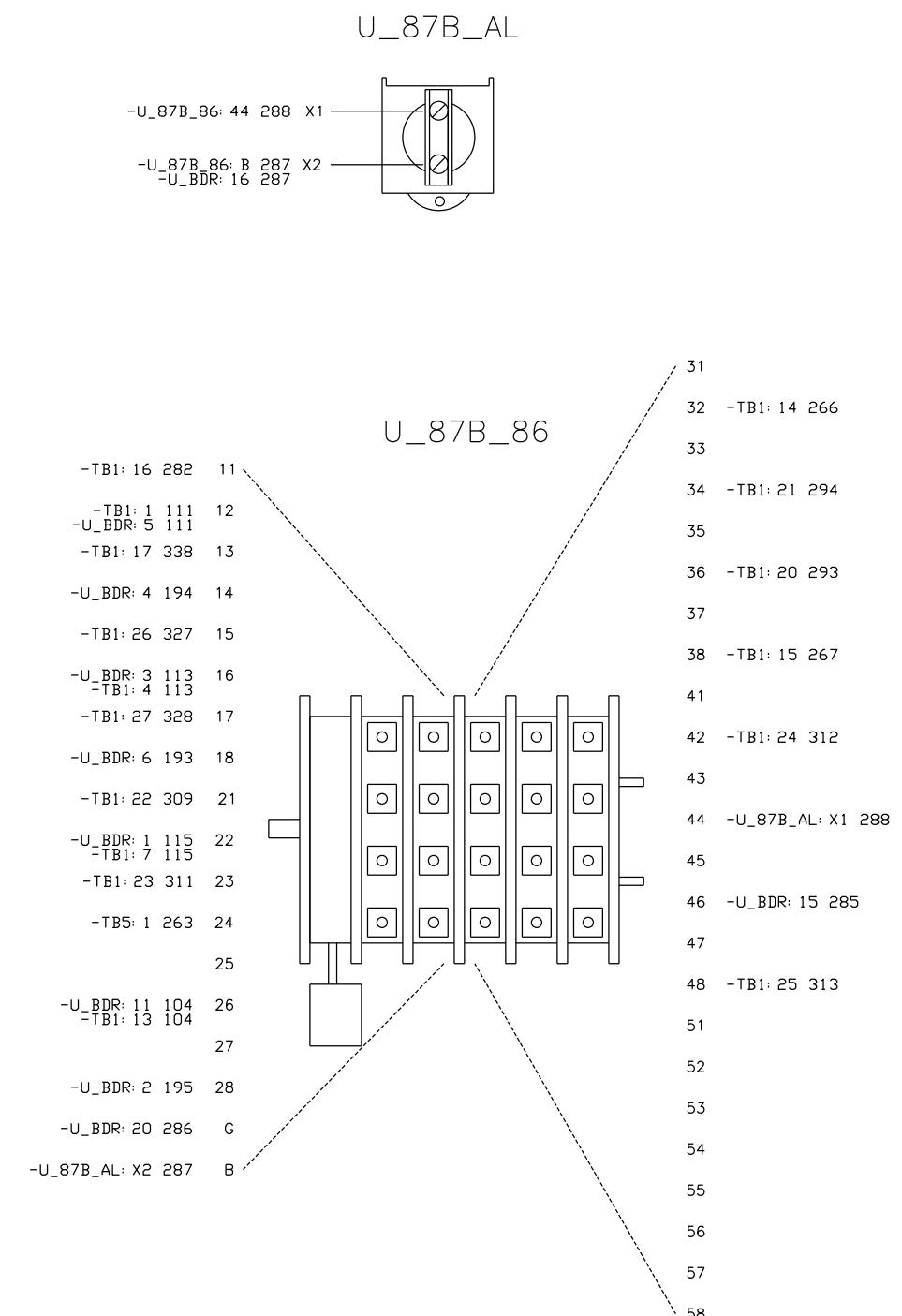
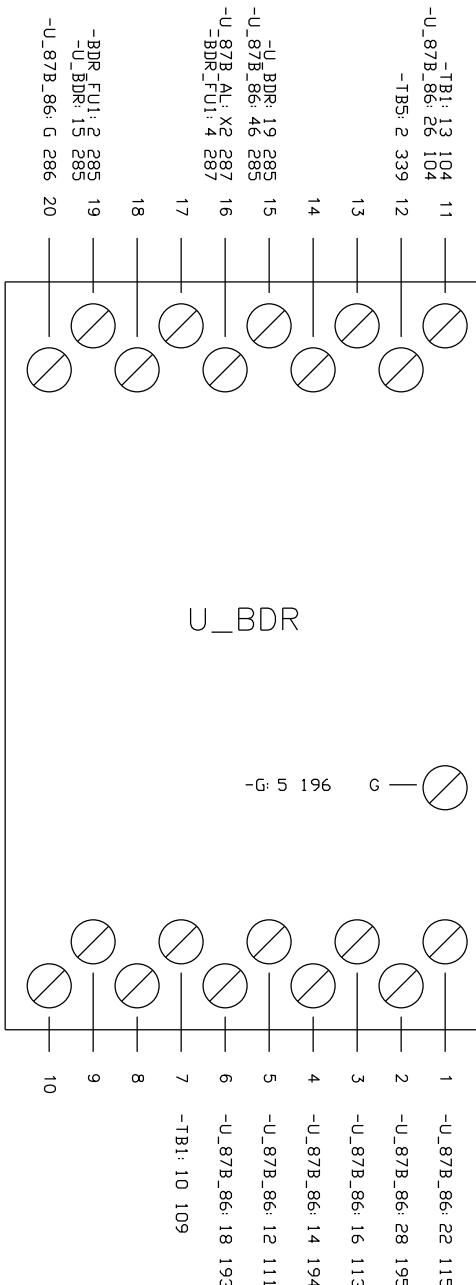
DEVICE ID

PART#

U_BDR X-6154-23
U_87B_AL X-6127-80,X-6127-85
U_87B_86 X-6155-14
BDR_FU1 X-6129-20,X-6135-4,X-6135-4

CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			Kohler Co.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	PANEL LAYOUT SECTION 2 - SWGR		
DRAWN BY: DMR ES NO.: ITEM			APPROVED DATE			SCALE CAD NO. SHEET		
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90465	SWGR	APF	11-7-08	E39 OF 92
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH			MEP	11-7-08	
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP					
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM					
SECTION/FUNCTION 2			APPROVED	APF	11-7-08			
			APPROVED	MEP	11-7-08			

DOOR - LOWER
(VIEWED FROM REAR)



CAE GENERATED DRAWING				PROJECT NO.: SGP-1297		KOHLER CO.	
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT		PIONEER SYSTEMS INC. KOHLER CO. WE-34000 44 S.M.S.A. THIS DRAWING IS MADE IN THE UNITED STATES. ISCHLIA ISLAND CORP., GRAND RAPIDS AND MIMATS LTD. HAVE BEEN USED AS SOURCES. KOHLER CO. OWN THE KOHLER, OUTWORK, ALL RIGHTS RESERVED. THIS DRAWING IS FOR INFORMATION PURPOSES ONLY.	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO.:	ITEM	TITLE: WIRE DIAGRAM SECTION 2 - SWGR	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90465	SWGR		
B	7-16-09	REVISED PER AS-BUILT [88108]	SUP	MEP/PROJ/MASS	DATUM		
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	11-7-08	SCALE: CAD NO. SHEET E-40 OF 92	
				CHECKED	APF	PLOTTED BY: Dwg. No. SGP-1297 D	
SECTION/FUNCTION				APPROVED	MEP		
2					11-7-08		

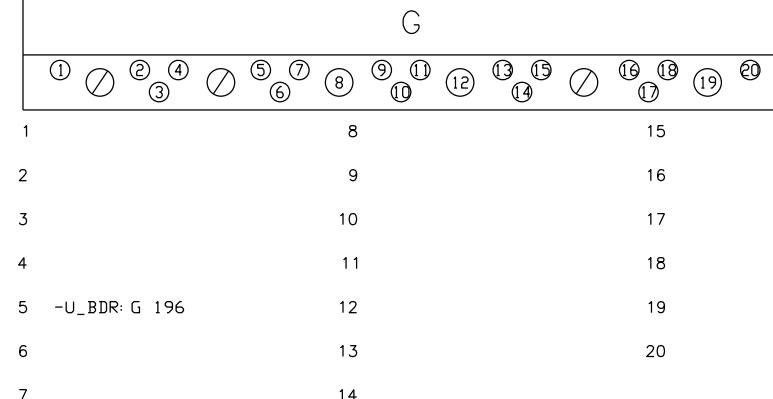
LEFT SIDE PANEL - LOWERu

TB1	
○ 1 ○	-U_87B_86: 12 111
○ 2 ○	JUMPER (X2 WIRES)
○ 3 ○	-U_87B_86: 16 113
○ 4 ○	JUMPER (X2 WIRES)
○ 5 ○	-U_87B_86: 22 115
○ 6 ○	JUMPER (X2 WIRES)
○ 7 ○	-U_BDR: 7 109
○ 8 ○	JUMPER (X2 WIRES)
○ 9 ○	-U_BDR: 11 104
○ 10 ○	-U_87B_86: 26 104
○ 11 ○	-U_87B_86: 32 266
○ 12 ○	-U_87B_86: 38 267
○ 13 ○	-U_87B_86: 11 282
○ 14 ○	-U_87B_86: 13 338
○ 15 ○	-BDR_FU1: 1 1
○ 16 ○	-BDR_FU1: 3 2
○ 17 ○	-U_87B_86: 36 293
○ 18 ○	-U_87B_86: 34 294
○ 19 ○	-U_87B_86: 21 309
○ 20 ○	-U_87B_86: 23 311
○ 21 ○	-U_87B_86: 42 312
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○ 23 ○	-U_87B_86: 15 327
○ 24 ○	-U_87B_86: 17 328

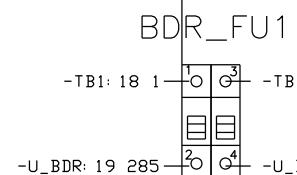
TB5

○ 1 ○	-U_87B_86: 24 263
○ 2 ○	-U_BDR: 12 339

RIGHT SIDE PANEL - UPPERu



BACK PANEL - LOWERu



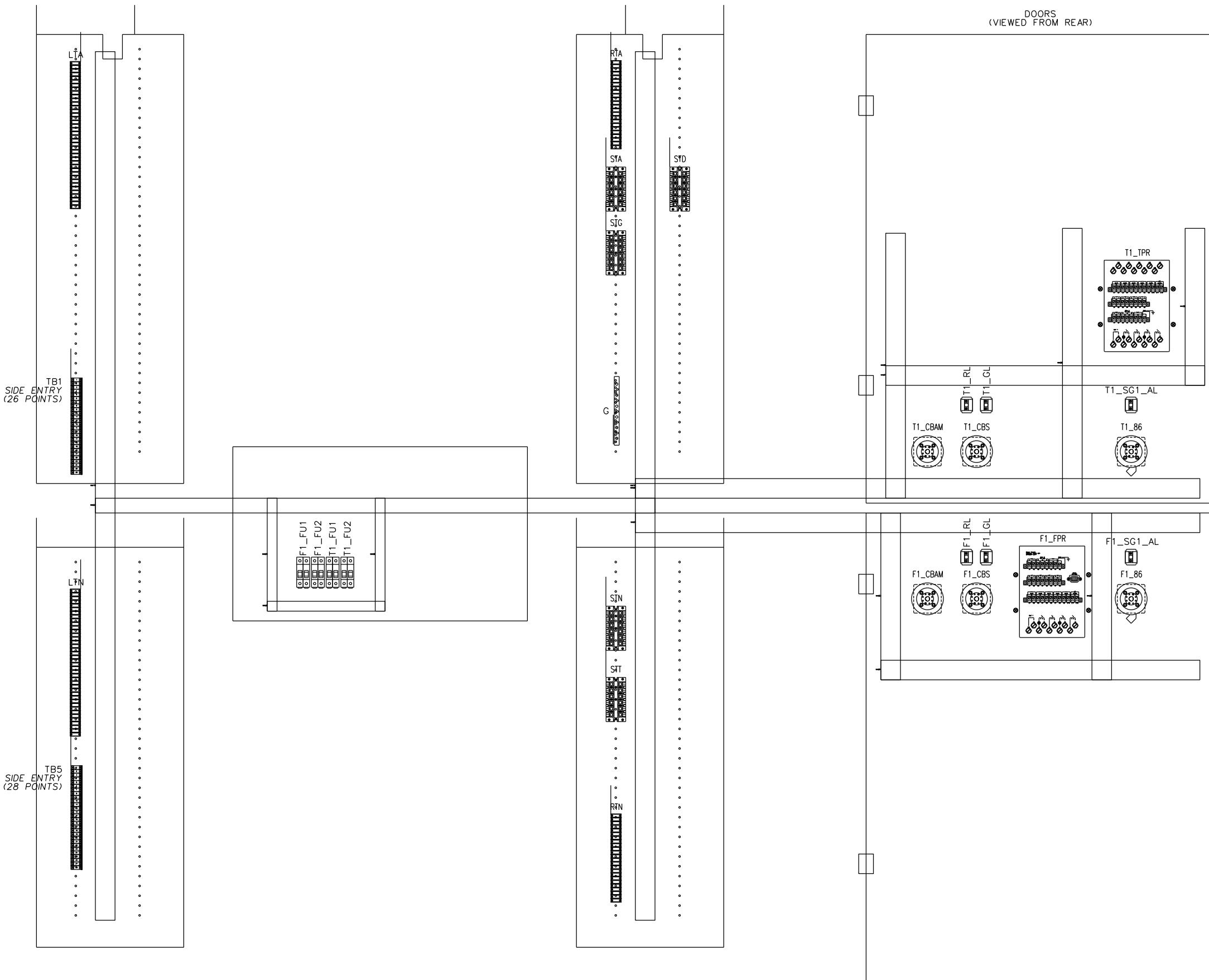
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REV	DATE	REVISION	BY	ARMED FORCES RETIREMENT	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90465	ITEM SWGR
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH		
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'DASS	DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08
				CHECKED APF	11-7-08
				APPROVED MEP	11-7-08

SECTION/FUNCTION 2

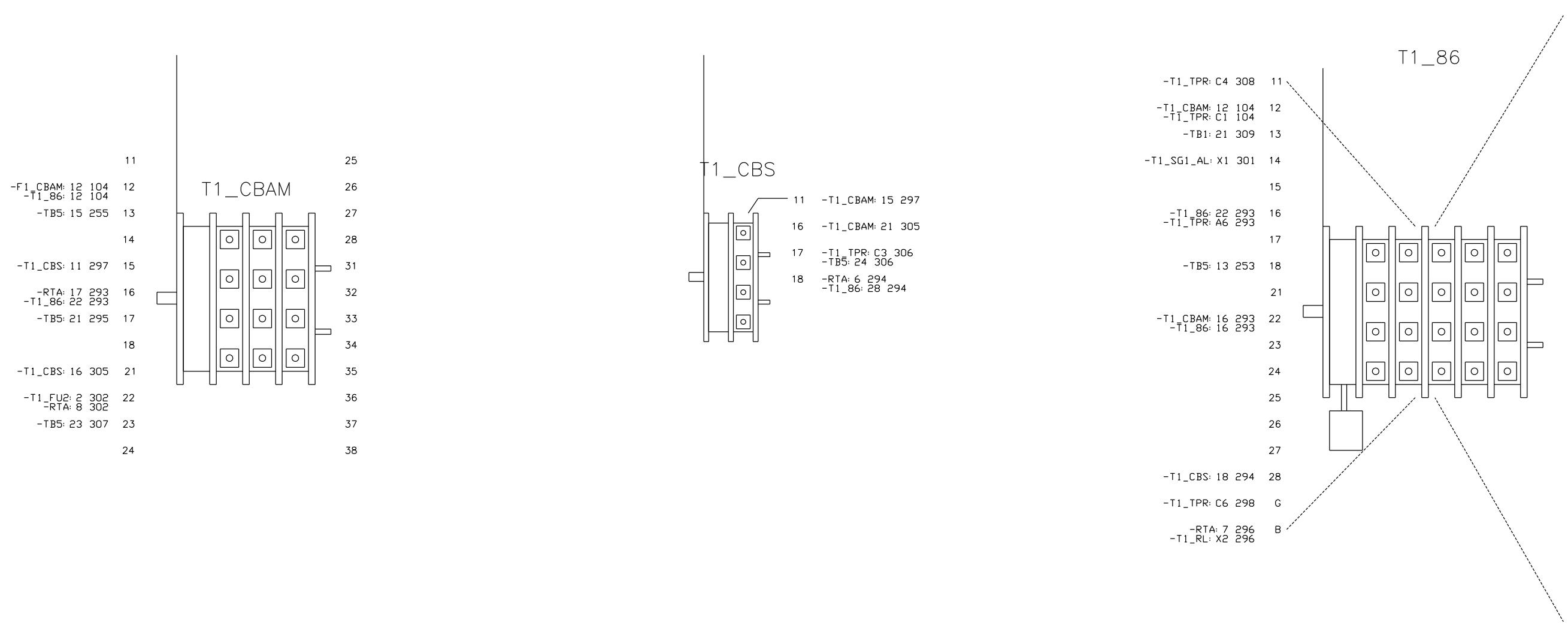
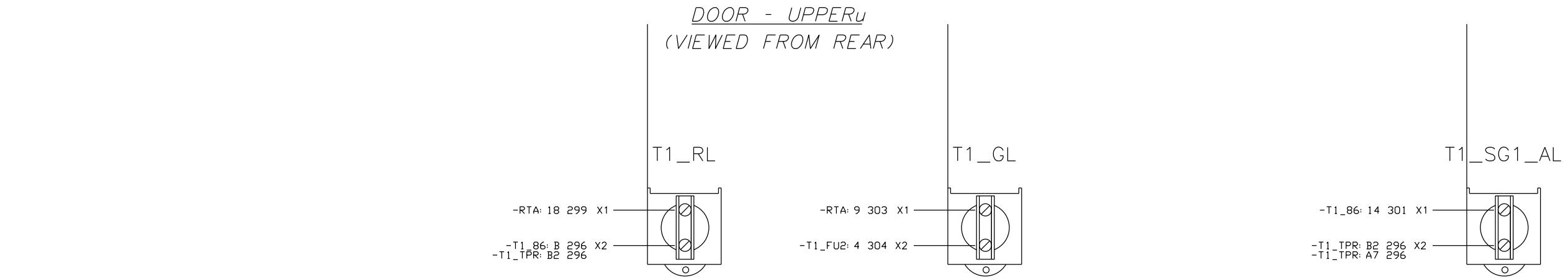
KOHLER CO.
POWER SYSTEMS KODAK, PA 18530 U.S.A.
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WIRE DIAGRAM
SECTION 2 - SWGR

SCALE CAD NO. SHEET E41 OF 92
PUBLISHED DWG. NO. SGP-1297 D

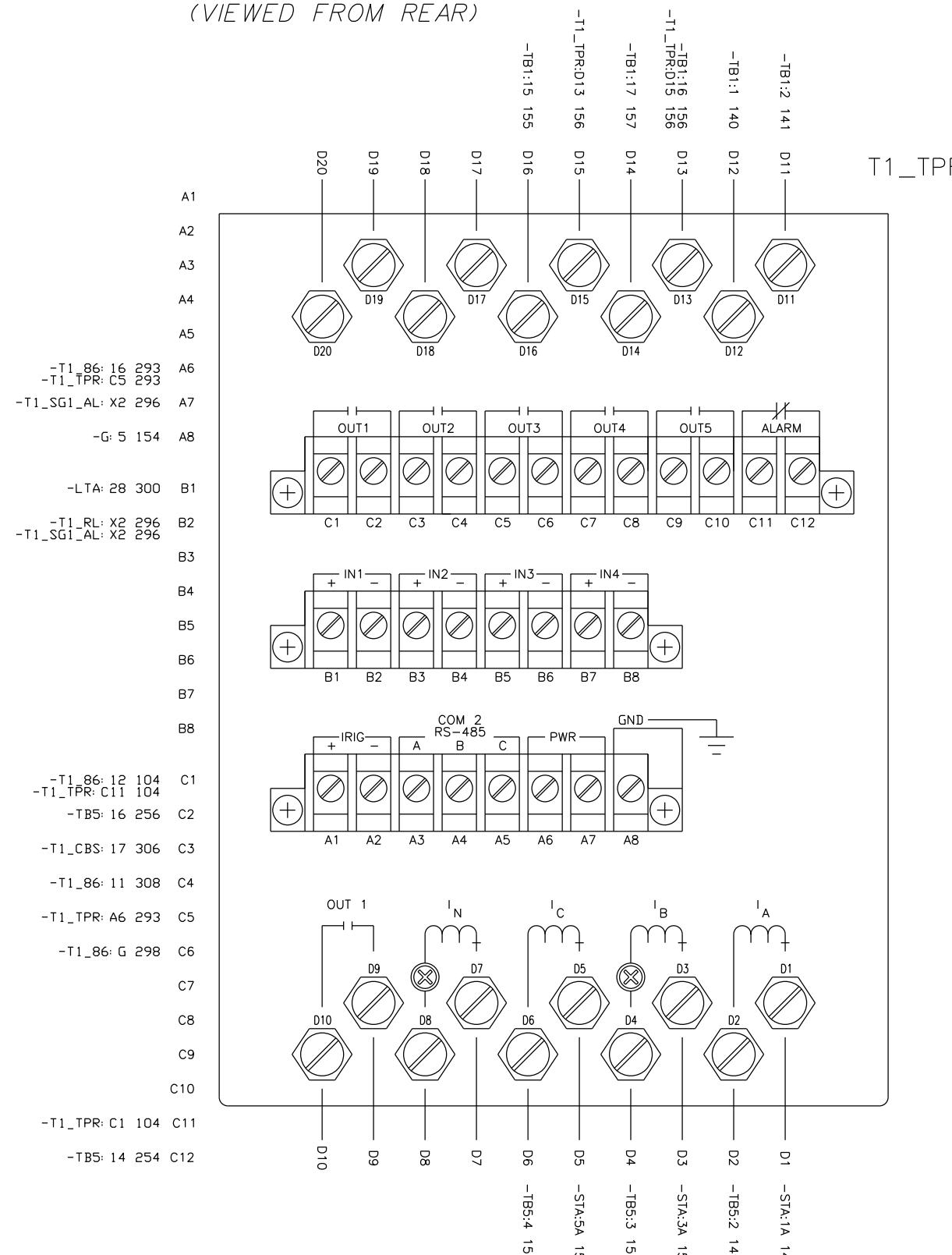


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REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT				
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR ES NO.:	ES-90465	ITEM SWGR			
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH					
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D AS	DATE			
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08			
				CHECKED APF	11-7-08			
				APPROVED MEP	11-7-08			
SECTION/FUNCTION 3			SCALE	CD NO.	SHEET E42 OF 92			
			PUBLISHED	DWG. NO.	SGP-1297 D			

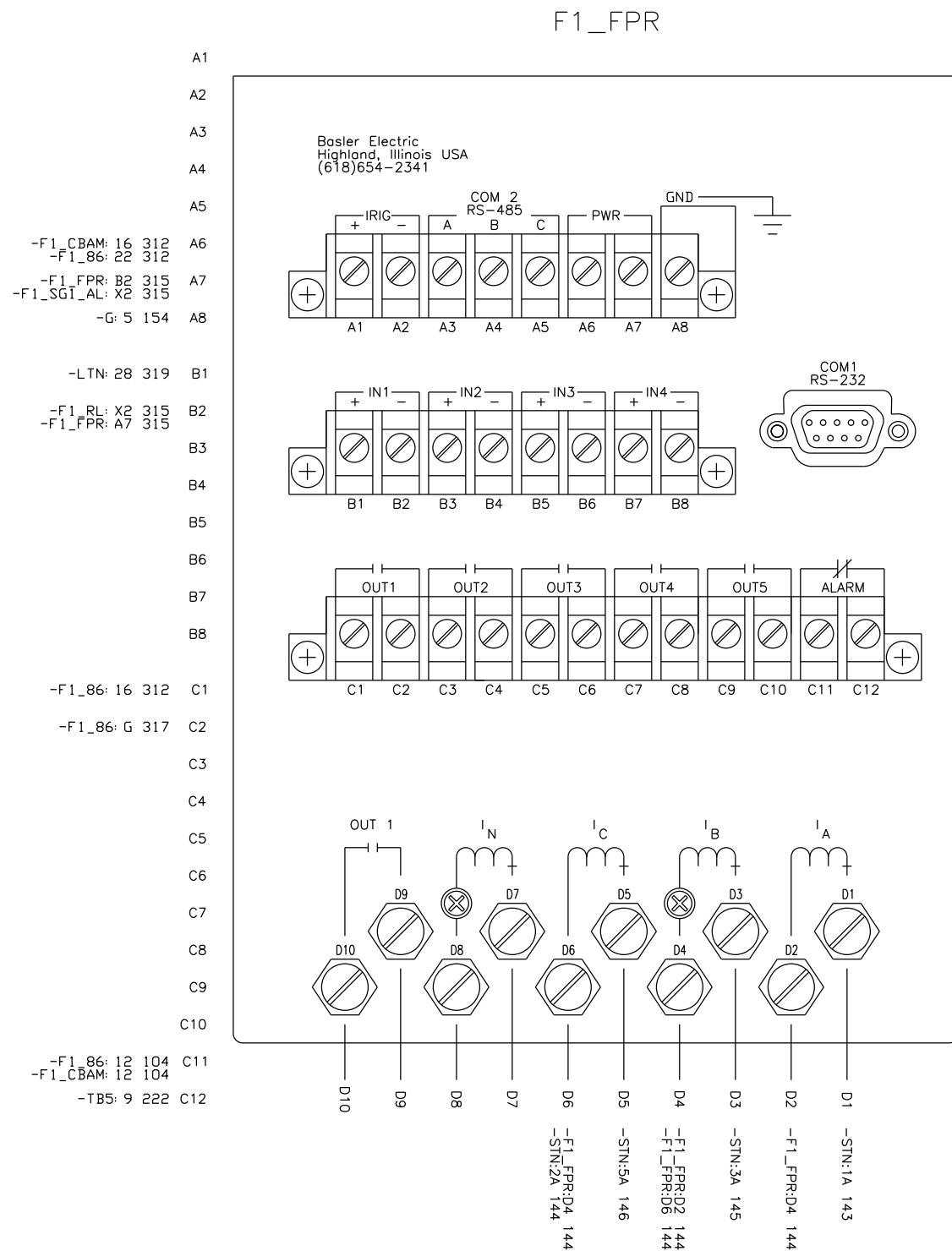


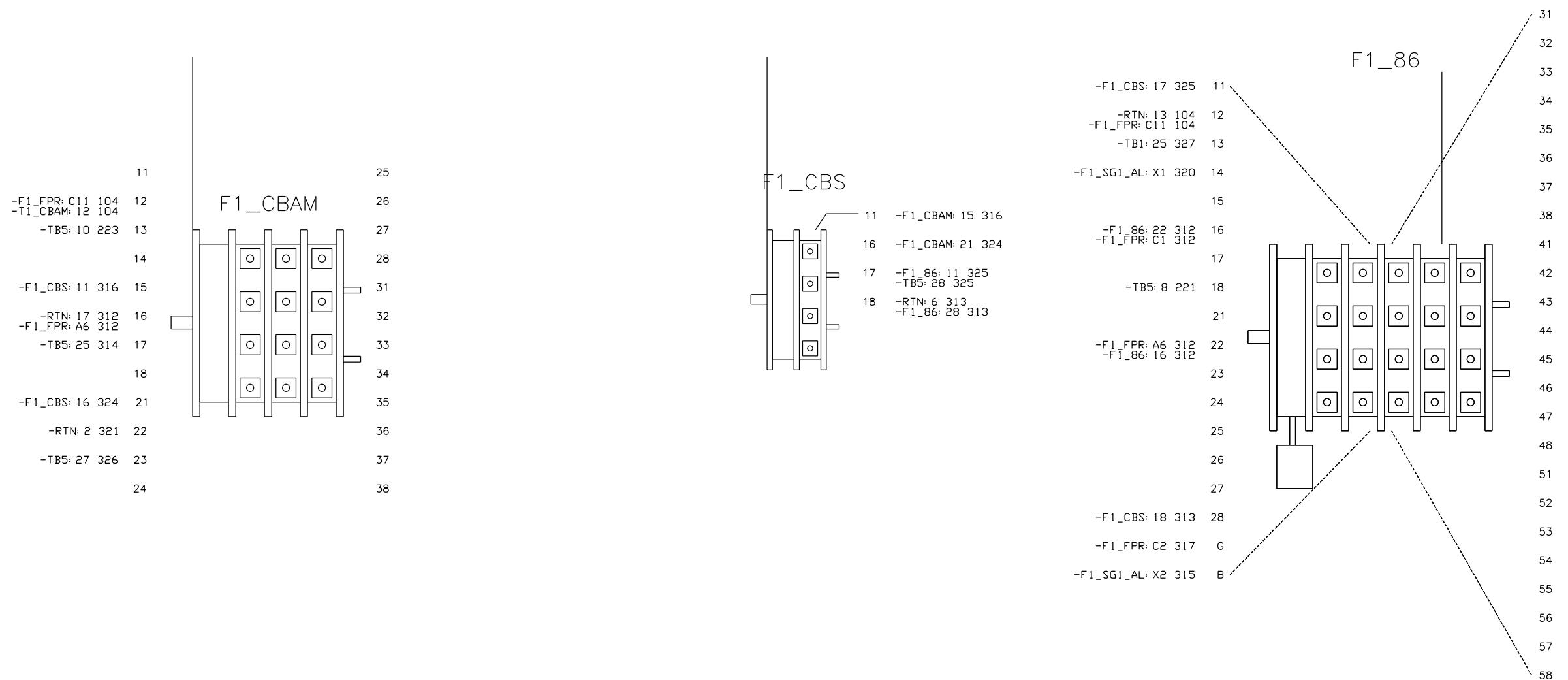
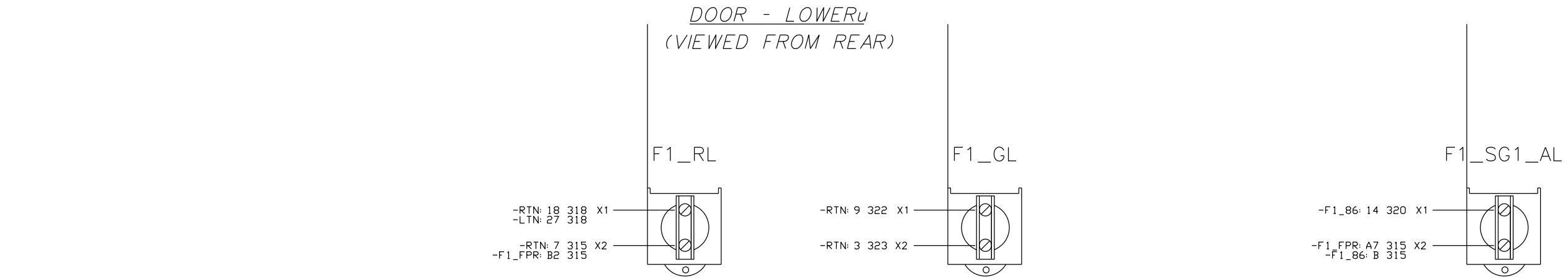
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REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	SWGR	SCALE	CAD NO.	SHEET
-	11-7-08	NEW DRAWING - FOR SUBMITAL [86663]	DMR'S NO.:	ES-90465	ITEM	SWGR			
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH		APPROV'D BY	DATE			
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP						
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08				
				CHECKED APF	11-7-08				
				APPROVED MEP	11-7-08				
SECTION/FUNCTION 3			WIRE DIAGRAM SECTION 3 - SWGR			SHEET E43 OF 92			
			SGP-1297 D						

DOOR - UPPERS
(VIEWED FROM REAR)



DOOR - LOWER
(VIEWED FROM REAR)

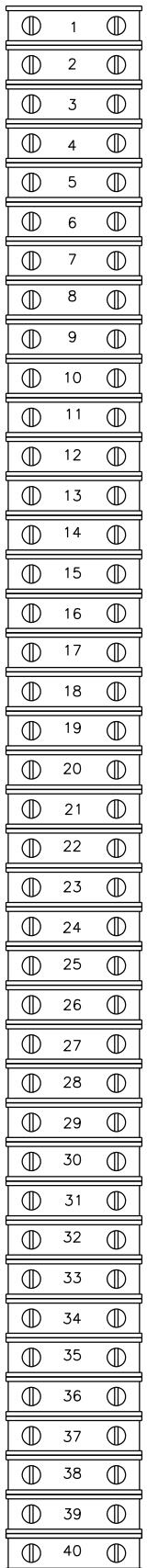




CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			Kohler Co.		
REV	DATE	REVISION	PROJECT NAME: ARMED FORCES RETIREMENT			WIRE DIAGRAM SECTION 3 - SWGR		
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90465	ITEM SWGR	WIRE	PDRIVE SYSTEMS KODAK, NJ 07404 U.S.A.	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH			DIAGRAM	THIS DRAWING IS FOR INFORMATION ONLY AND IS NOT TO BE USED AS A CONTRACTUAL DOCUMENT. IT IS THE RESPONSIBILITY OF THE USER TO CONFIRM THAT THE DRAWINGS ARE CORRECT FOR THE WORK.	
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D AS	DATE	SECTION	ALL RISKS OF LOSS OR DAMAGE FROM ANY USE OF THIS DRAWING ARE ASSUMED BY THE USER.	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08	SCALE	CD NO.	45 OF 92
				CHECKED APF	11-7-08	PUBLISHED	DWG. NO.	SGP-1297 D
				APPROVED MEP	11-7-08			

LTA

LEFT SIDE PANEL - UPPERS



TB1

○ 1 ○	-T1_TPR: D12 140
○ 2 ○	-T1_TPR: D11 141
○ 3 ○	-STT: 2A 108
○ 4 ○	-STT: 1A 110
○ 5 ○	-STT: 3A 112
○ 6 ○	-STT: 5A 114
○ 7 ○	-STG: 1A 116
○ 8 ○	-STG: 3A 117
○ 9 ○	-STG: 5A 118
○ 10 ○	-STG: 6A 119
○ 11 ○	-STD: 6A 109
○ 12 ○	-STD: 1A 111
○ 13 ○	-STD: 3A 113
○ 14 ○	-STD: 5A 115
○ 15 ○	-T1_TPR: D16 155
○ 16 ○	-T1_TPR: D13 156
○ 17 ○	-T1_TPR: D14 157
○ 18 ○	-LTA: 23 104 -LTN: 23 104
○ 19 ○	-T1_FU1: 2 293
○ 20 ○	-TBS: 22 294 -RTA: 6 294
○ 21 ○	-T1_86: 13 309
○ 22 ○	-RTA: 4 310
○ 23 ○	-F1_FU1: 2 312
○ 24 ○	-TBS: 26 313 -RTN: 6 313
○ 25 ○	-F1_86: 13 327
○ 26 ○	-RTN: 4 328

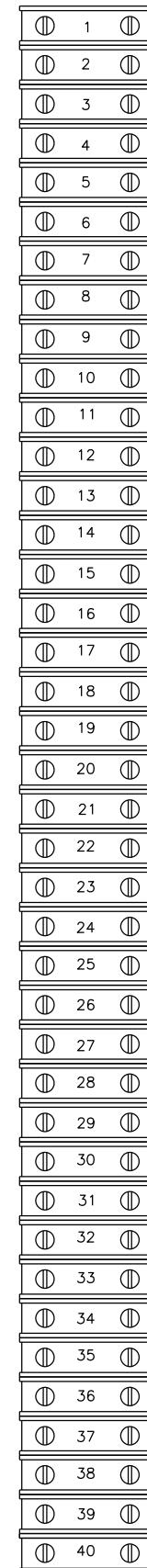
-TB1: 18 104
-TB5: 12 252

TBE-12-2E2

-T1_TPR: B1 300

LTN

LEFT SIDE PANEL - LOWER



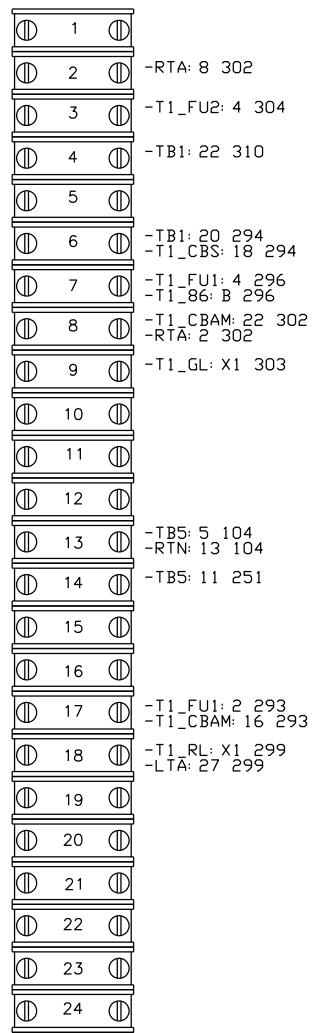
TB5

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○	2	○	-T1_TPR: D2 149
○	3	○	-T1_TPR: D4 151
○	4	○	-T1_TPR: D6 153
○	5	○	-LTN: 23 104
○	6	○	-RTA: 13 104
○	7	○	-RTN: 14 219
○	8	○	-LTN: 24 220
○	9	○	-F1_86: 18 221
○	10	○	-F1_FPR: C12 222
○	11	○	-F1_Cbam: 13 223
○	12	○	-RTA: 14 251
○	13	○	-LTA: 24 252
○	14	○	-T1_86: 18 253
○	15	○	-T1_Cbam: 13 255
○	16	○	-T1_TPR: C2 256
○	17	○	-T1_FU1: 1 1
○	18	○	-T1_FU1: 3 2
○	19	○	-F1_FU1: 1 1
○	20	○	-F1_FU1: 3 2
○	21	○	-T1_Cbam: 17 295
○	22	○	-TB1: 20 294
○	23	○	-T1_Cbam: 23 307
○	24	○	-T1_Cbs: 17 306
○	25	○	-F1_Cbam: 17 314
○	26	○	-TB1: 24 313
○	27	○	-F1_Cbam: 23 326
○	28	○	-F1_Cbs: 17 325

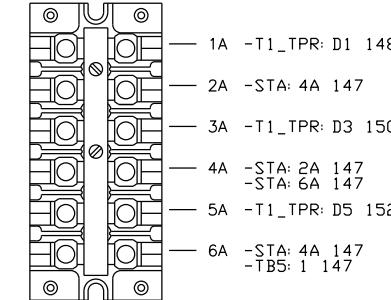
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REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT	ITEM			
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO.: ES-90465	SWG	TITLE: WIRE DIAGRAM SECTION 3 - SWGR		
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH					
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D BY SJP	DATE			
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN CHECKED APPROVED	DMR APF MEP		11-7-08 11-7-08 11-7-08	
TION/FUNCTION 3				SCALE	CAD NO.	SHEET		
				PLOTTED	DWG. NO.	E46 OF 92		
				SGP-1297 D				

RIGHT SIDE PANEL - UPPERTU

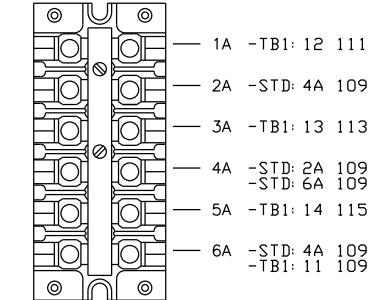
RTA



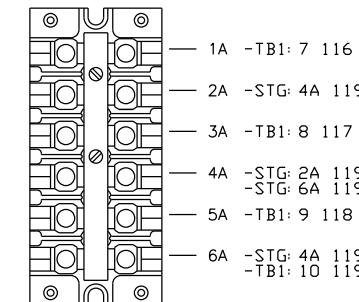
STA



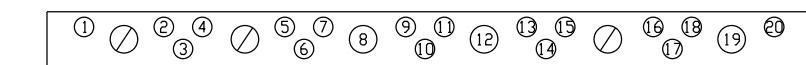
STD



STG



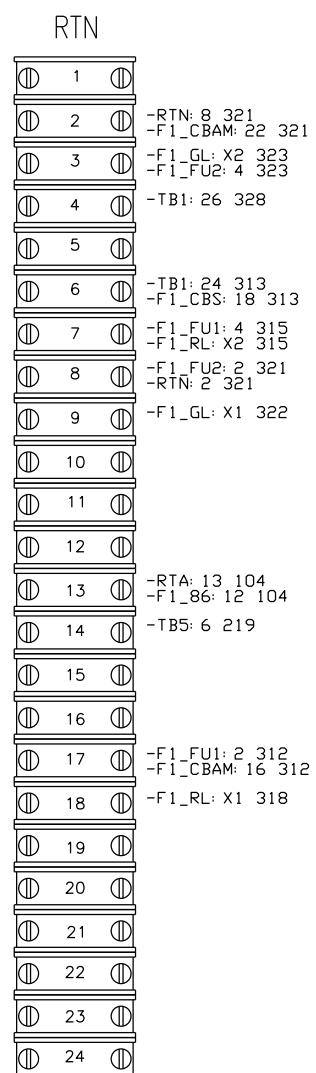
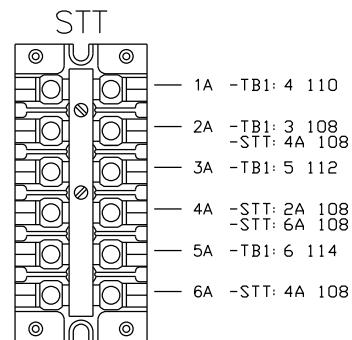
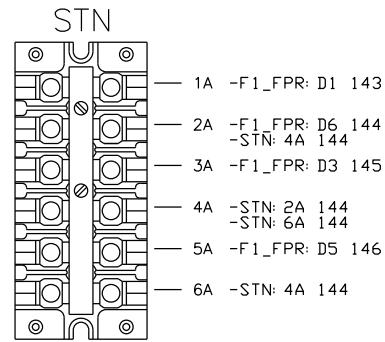
G



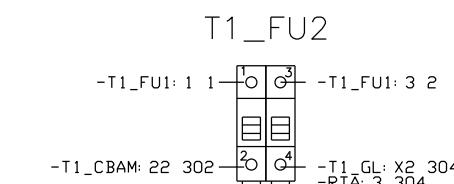
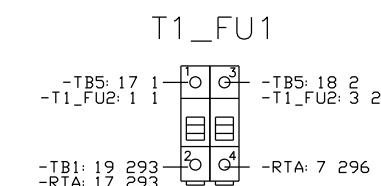
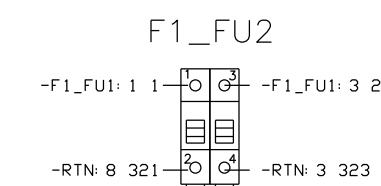
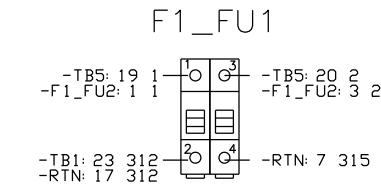
1	8	15
2	9	16
3	10	17
4	11	18
5	-F1_FPR: A8 154 -T1_TPR: A8 154	12 19
6		13 20
7		14

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REV	DATE	REVISION	BY	ARMED FORCES RETIREMENT	ITEM	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90465	SWGR	WIRE DIAGRAM SECTION 3 - SWGR
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH			
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D AS DRAWN	DATE	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DMR	11-7-08	
SECTION/FUNCTION 3			CHECKED	APF	11-7-08	SCALE
			APPROVED	MEP	11-7-08	CAD NO.
			PUBLISHED			HEET E47 OF 92
						DWG. NO.
						SGP-1297 D

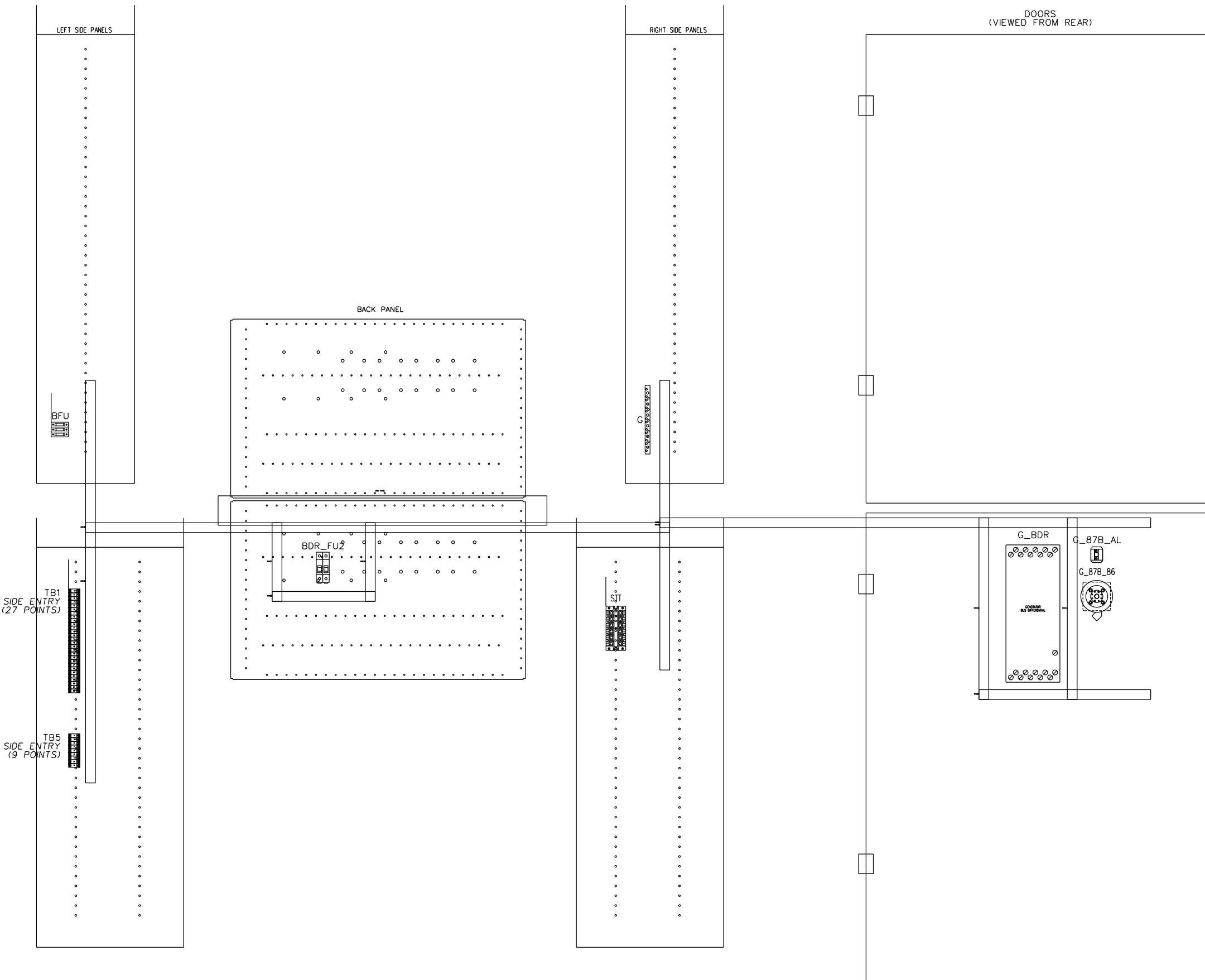
RIGHT SIDE PANEL - LOWER



BACK PANEL_u



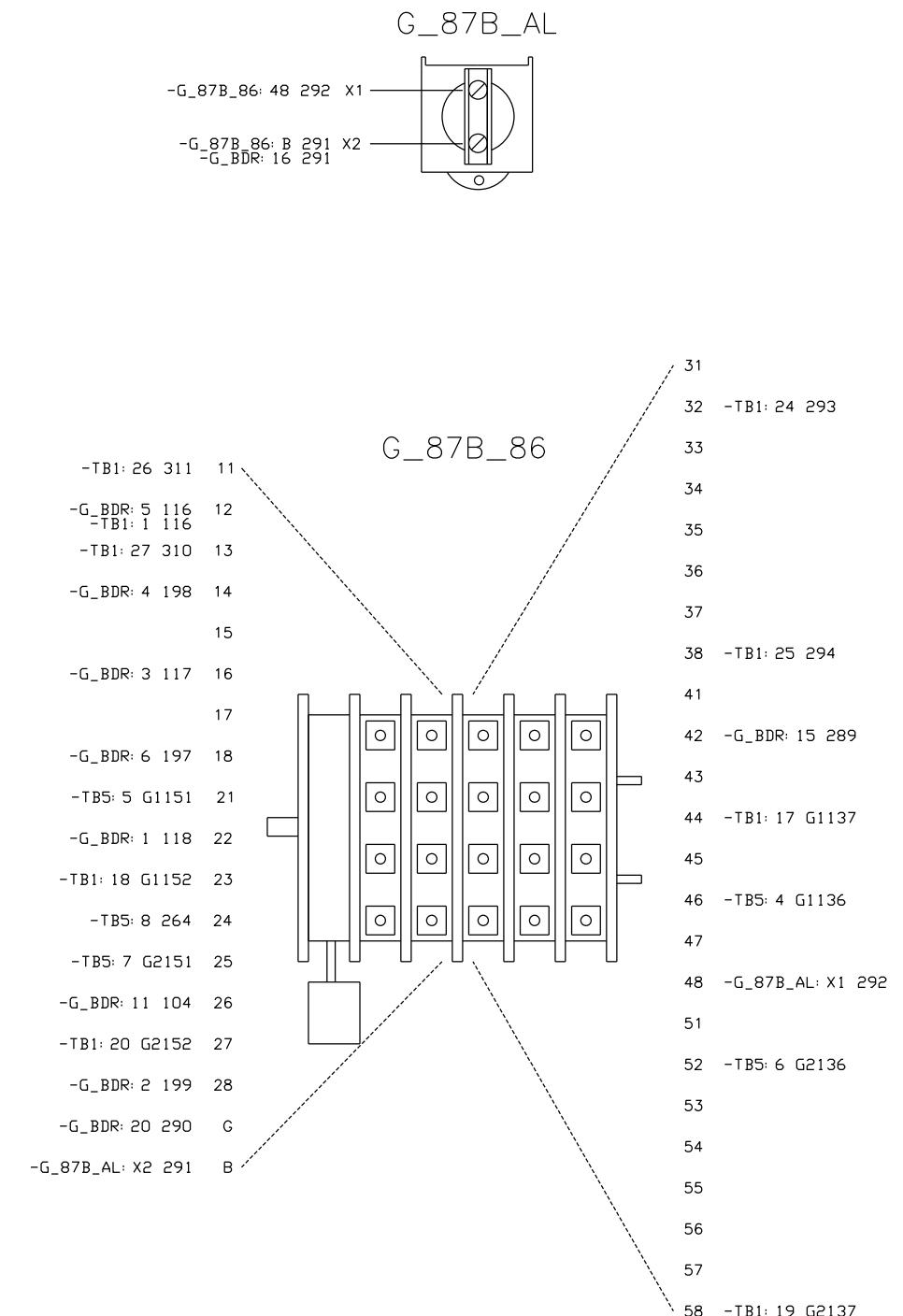
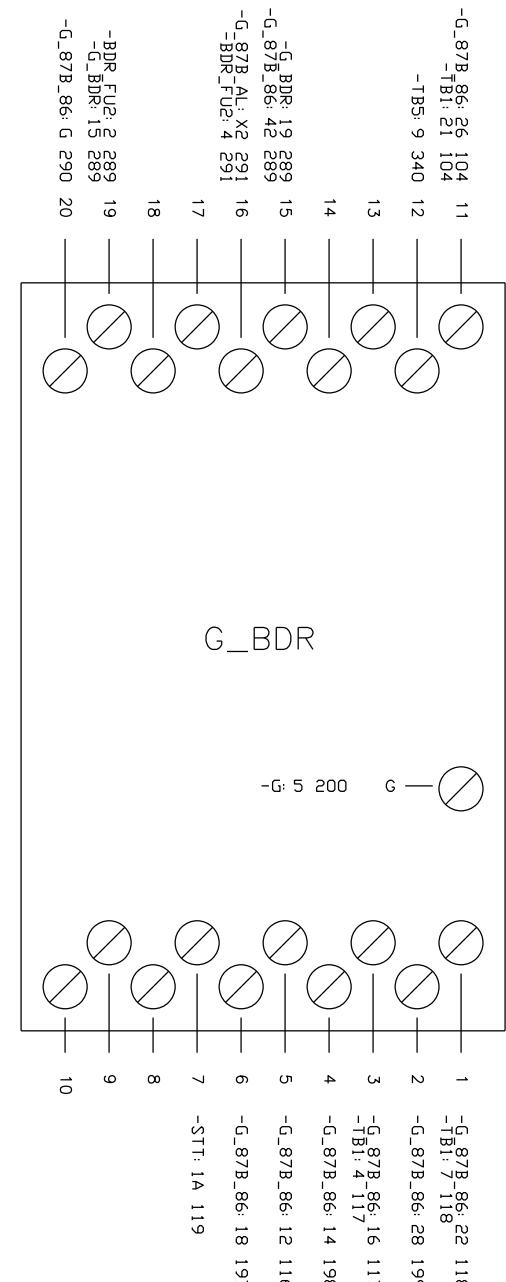
CAE GENERATED DRAWING				PROJECT NO.: SGP-1297			KOHLER CO.		
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT			POWER SYSTEMS, KOHLER CO., WB-3000-44LSJL5, A. THIS DRAWING IS THE PROPERTY OF KOHLER CO. AND IS RESTRICTED TO COMPANY USE AND MAY NOT BE COPIED, REPRODUCED, OR DISSEMINATED OUTSIDE KOHLER CO. OR ITS SUBSIDIARIES. ALL RIGHTS RESERVED IN THE DRAWINGS AND SPECIFICATIONS THEREIN ARE RESERVED.		
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO.:	ITEM	SWGR	INTEL:	WIRE DIAGRAM SECTION 3 - SWGR	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90465					
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APF	MEP	DATIE			
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR	11-7-08	SCALE	CAD NO.	SHEET E48 OF 92
				CHECKED	APF	11-7-08	PLOTTED/ED	DWG. NO.	SGP-1297 D
				APPROVED	MEP	11-7-08			



DEVICE ID PART#
 BDR_FU2 X-6129-20,X-6135-4,X-6135-4
 G_BDR X-6154-23
 G_87B_AL X-6127-80,X-6127-85
 G_87B_86 X-6155-14

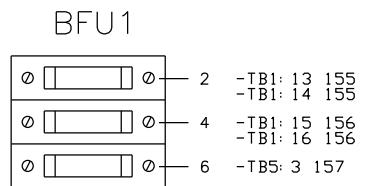
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REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	PANEL LAYOUT SECTION 4 - SWGR		
DRAWN BY DMR ES NO.: SWGR DATE			APPROVED BY CLM DMR 11-7-08			CHECKED BY APF 11-7-08		
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90465	ITEM SWGR	APPROVED	CLM	11-7-08
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	BY	JXH	DATE	CHECKED	APF	11-7-08
B	7-16-09	REVISED PER AS-BUILT [88108]	APPROV'D	SJP	ITEM	APPROVED	MEP	11-7-08
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	DRAWN	DMR	SWGR	APPROVED	MEP	11-7-08
SECTION/FUNCTION 4			SCALE	CAD NO.	SHEET E49 OF 92	PUBLISHED	DWG. NO.	SGP-1297 D

DOOR - LOWERu
(VIEWED FROM REAR)



CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			KOHLER CO.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	ITEM NO.:	ES-90465	SWGR
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR					
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH					
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D BY	DATE			
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR	11-7-08		
				CHECKED	AFP	11-7-08		
				APPROVED	MEP	11-7-08		
SECTION/FUNCTION			SCALE	CAD NO.	SHEET	E50 OF 92		
4			PUBLISHED	DWG. NO.	SGP-1297	D		

LEFT SIDE PANEL - UPPERu



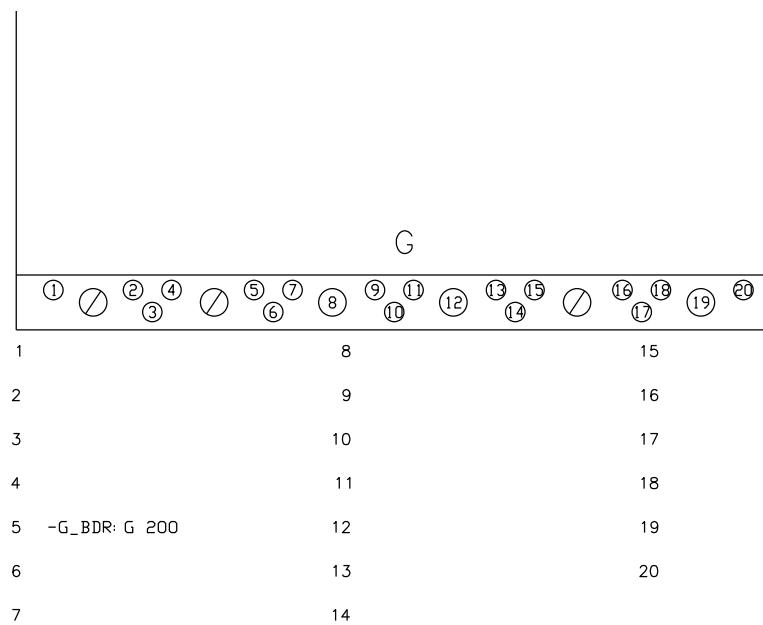
LEFT SIDE PANEL - LOWERu

TB1	
○ 1 ○ •	-STT: 2A 116
○ 2 ○ •	JUMPER (X2 WIRES)
○ 3 ○ •	
○ 4 ○ •	-G_BDR: 3 117
○ 5 ○ •	JUMPER (X2 WIRES)
○ 6 ○ •	-STT: 4A 117
○ 7 ○ •	-G_BDR: 1 118
○ 8 ○ •	JUMPER (X2 WIRES)
○ 9 ○ •	-STT: 6A 118
○ 10 ○ •	-STT: 5A 119
○ 11 ○ •	JUMPER (X2 WIRES)
○ 12 ○ •	
○ 13 ○ •	-BFU1: 2 155 JUMPER (WIRE)
○ 14 ○ •	-TB5: 1 155
○ 15 ○ •	-BFU1: 4 156 JUMPER (WIRE)
○ 16 ○ •	-TB5: 2 156
○ 17 ○	-G_87B_86: 44 G1137
○ 18 ○	-G_87B_86: 23 G1152
○ 19 ○	-G_87B_86: 58 G2137
○ 20 ○	-G_87B_86: 27 G2152
○ 21 ○	-G_BDR: 11 104
○ 22 ○	-BDR_FU2: 1 1
○ 23 ○	-BDR_FU2: 3 2
○ 24 ○	-G_87B_86: 32 293
○ 25 ○	-G_87B_86: 38 294
○ 26 ○	-G_87B_86: 11 311
○ 27 ○	-G_87B_86: 13 310
○ 28 ○	-TB5: 3 157

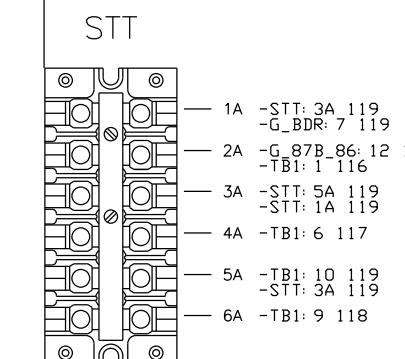
TB5	
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○ 2 ○	-TB1: 16 156
○ 3 ○	-BFU1: 6 157 -TB1: 28 157
○ 4 ○	-G_87B_86: 46 G1136
○ 5 ○	-G_87B_86: 21 G1151
○ 6 ○	-G_87B_86: 52 G2136
○ 7 ○	-G_87B_86: 25 G2151
○ 8 ○	-G_87B_86: 24 264
○ 9 ○	-G_BDR: 12 340

CAE GENERATED DRAWING			PROJECT NO.: SGP-1297	Kohler Co.	
REV	DATE	REVISION	BY	PROJECT NAME:	SECTION:
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ARMED FORCES RETIREMENT	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES NO.: ES-90465	ITEM: SWGR
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D BY	DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08
				CHECKED APF	11-7-08
				APPROVED MEP	11-7-08
SECTION/FUNCTION 4			SCALE	CAD NO.	Sheet E51 OF 92
			PUBLISHED	DWG. NO.	SGP-1297 D

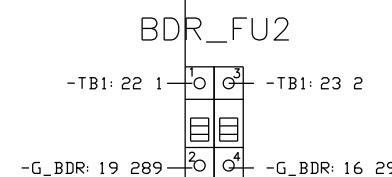
RIGHT SIDE PANEL - UPPERu



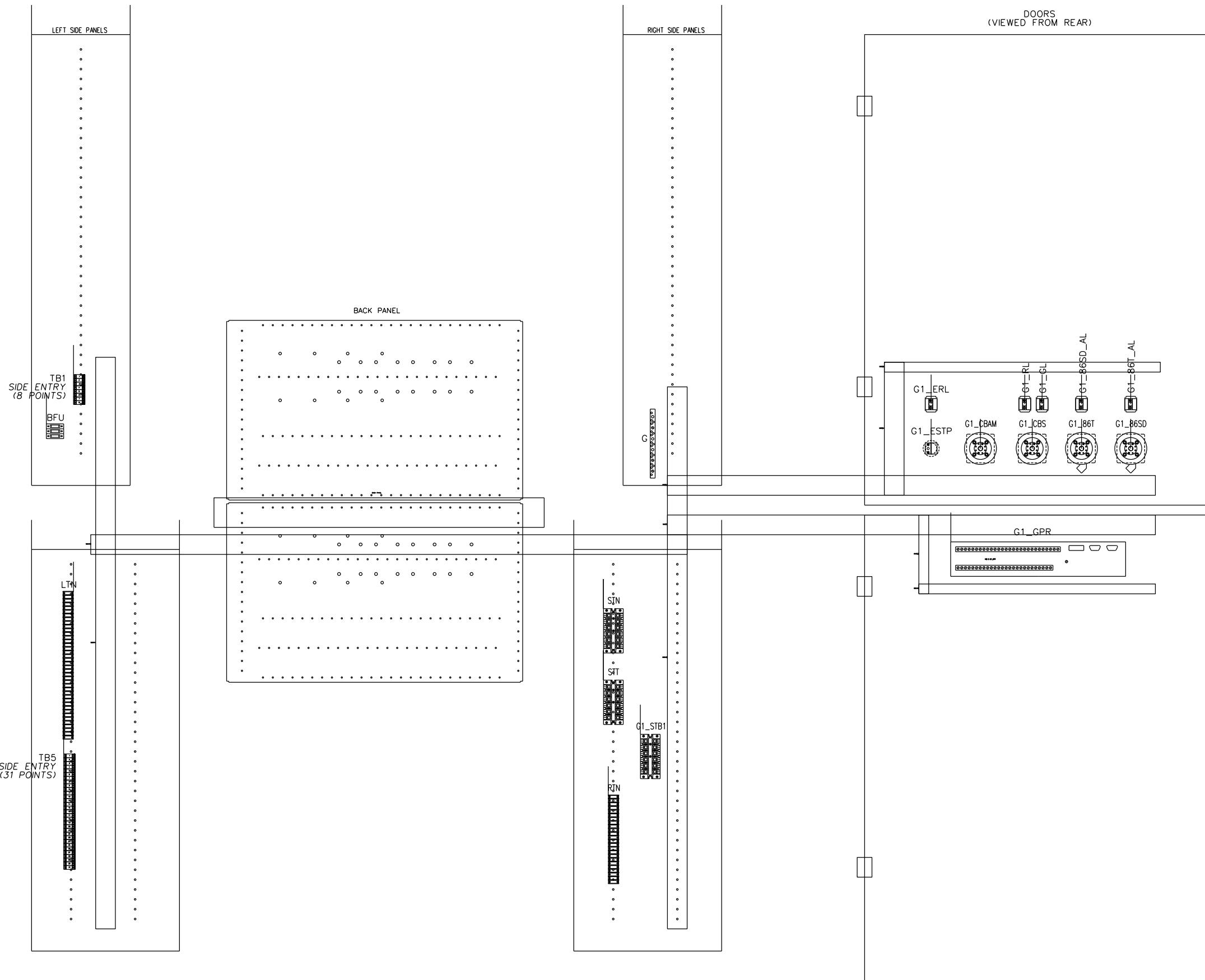
RIGHT SIDE PANEL - LOWERu



BACK PANELu



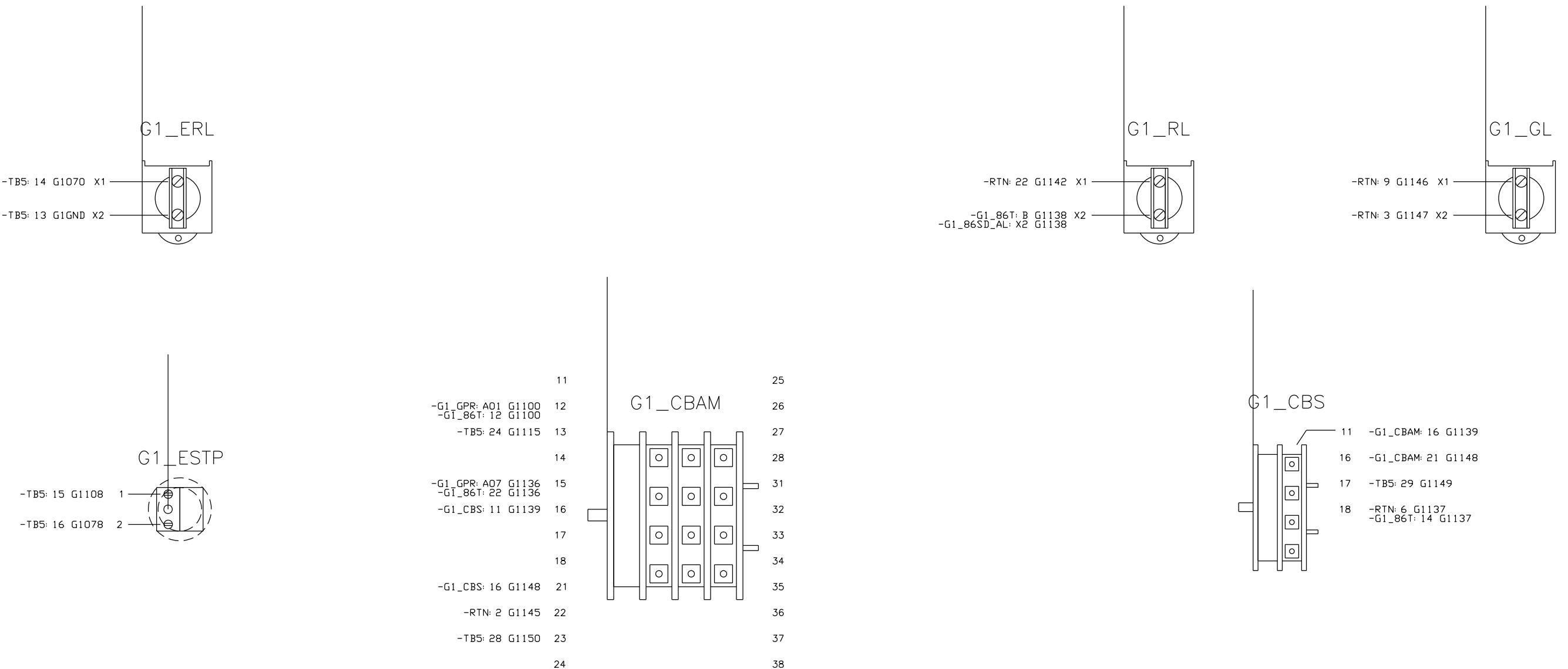
CAE GENERATED DRAWING			PROJECT NO.: SGP-1297		KOHLER CO.	
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT	DES. NO.:	WIRE DIAGRAM SECTION 4 - SWGR
-	11-7-08	NEW DRAWING - FOR SUBMITAL [86663]	DMR			
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90465	ITEM SWGR	
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D/MASS	DATE	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08	
				CHECKED APF	11-7-08	
				APPROVED MEP	11-7-08	
SECTION/FUNCTION 4			SCALE	CAD NO.	SHEET E52 OF 92	PUBLISHED Dwg. No. SGP-1297 D



DEVICE ID	PART#
G1_CBAM	X-6108-8,X-6108-72
G1_CBS	X-6108-4
G1_ERL	X-6127-82,X-6127-77
G1_ESTP	GM2306,292364
G1_GL	X-6127-83,X-6127-78
G1_GPR	X-6156-104
G1_RL	X-6127-84,X-6127-79
G1_B6SD	X-6155-9
G1_B6SD_AL	X-6127-85,X-6127-80
G1_B6T	X-6155-9
G1_B6T_AL	X-6127-85,X-6127-80

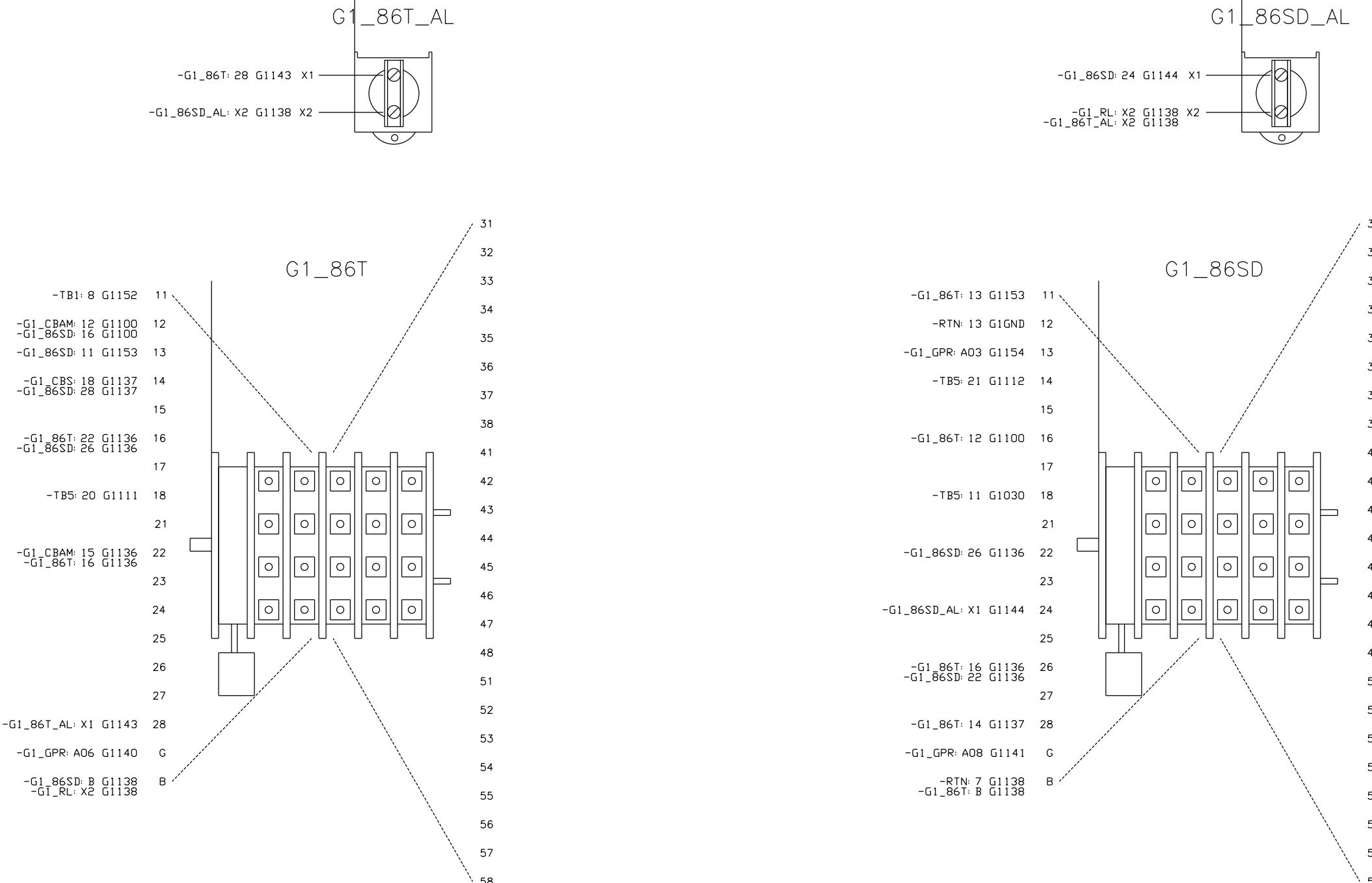
CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			KOHLER CO.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	DMR ES NO.:	ITEM	SWGR
-	11-7-08	NEW DRAWING - FOR SUBMITAL [86663]				JXH	ES-90465	SWGR
A	5-28-09	REVISED - FOR MANUFACTURING [87742]				SJP	APPROV/MASS	DATE
B	7-16-09	REVISED PER AS-BUILT [88108]				CLM	DRAWN DMR	11-7-08
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]				APPROVED	APF	11-7-08
						PUBLISHED	DWG. NO.	SGP-1297 D
SECTION/FUNCTION 5			SHEET E53 OF 92			PANEL LAYOUT SECTION 5 - SWGR		

DOOR - UPPERu
(VIEWED FROM REAR)



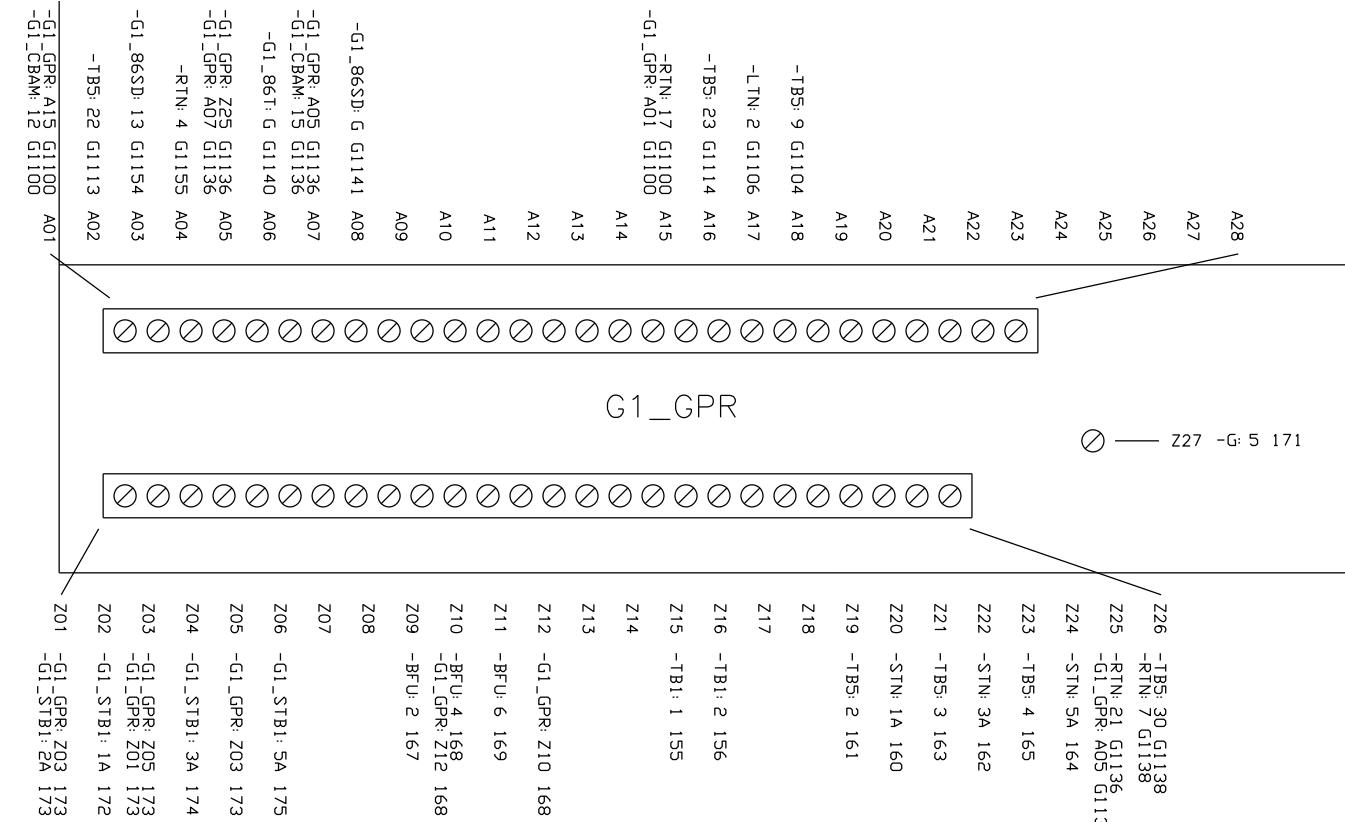
CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			KOHLER CO. PROPOSED SYSTEMS KOHLER, INC. WISCONSIN 44, U.S.A. THIS DRAWING IS FOR INFORMATION ONLY AND IS THE PROPERTY OF KOHLER CO. IT IS NOT TO BE USED OR COPIED EXCEPT FOR CONFIDENTIALITY ON THE PART OF KOHLER CO. OR WORKERS ALIEN TO KOHLER CO. DESIGN CHANGES AND UPDATES ARE RESERVED.		
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT	ITEM			
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90465	SWGR			
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	APPROV'D AS	DATE			
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D AS	DATE			
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08			
				CHECKED APF	11-7-08			
				APPROVED MEP	11-7-08			
SECTION/FUNCTION 5			SCALE	CD NO.	SHEET E54 OF 92			
			PUBLISHED	DWG. NO.	SGP-1297 D			

DOOR - UPPERu
(VIEWED FROM REAR)



CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			KOHLER CO.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM			
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR'S NO.:	ES-90465	SWGR			
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH					
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D/MASS	DATE			
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR	11-7-08	TITLE: WIRE DIAGRAM SECTION 5 - SWGR	
				CHECKED	APF	11-7-08	SCALE	CAD NO.
				APPROVED	MEP	11-7-08	PUBLISHED	DWG. NO.
							E55	OF 92
							SGP-1297 D	

DOOR - LOWER
(VIEWED FROM REAR)



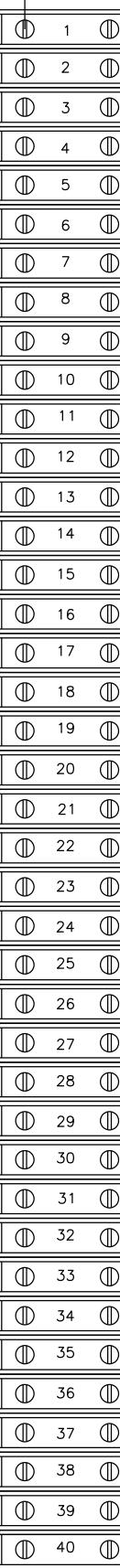
CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			Kohler Co.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	WIRE DIAGRAM SECTION 5 - SWGR		
			DES NO.:	ES-90465	SWGR			
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH					
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D/ASS	DATE			
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR	11-7-08	SCALE	
SECTION/FUNCTION 5				CHECKED	APF	11-7-08	CD NO.	HEET E56 OF 92
				APPROVED	MEP	11-7-08	PUBLISHED	DWG. NO.
							SGP-1297 D	

LEFT SIDE PANEL - UPPERT

TB1

- 1 -G1_GPR: Z15 155
- 2 -G1_GPR: Z16 156
- 3 -STT: 2A 120
- 4 -STT: 1A 121
- 5 -STT: 3A 122
- 6 -STT: 5A 123
- 7 -TB5: 25 G1137
-RTN: 6 G1137
- 8 -G1_86T: 11 G1152

LTN



-TB5: 8 G1100
-G1_GPR: A17 G1106

BFU

- 2 -TB5: 5 167
-G1_GPR: Z09 167
- 4 -TB5: 6 168
-G1_GPR: Z10 168
- 6 -TB5: 7 169
-G1_GPR: Z11 169

-TB5: 17 G1100
-RTN: 17 G1100
-TB5: 19 G1110

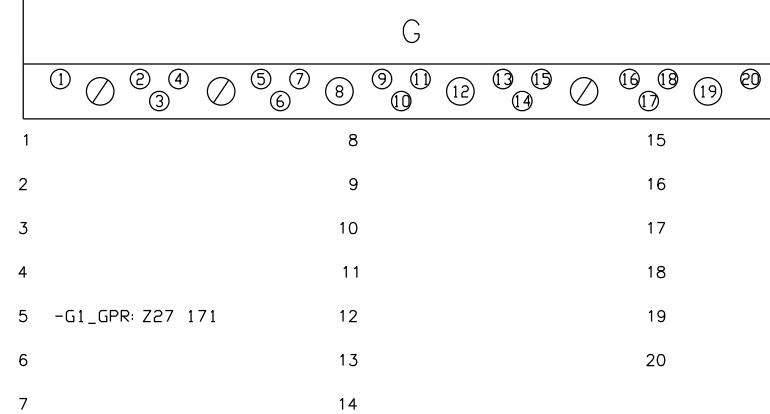
LEFT SIDE PANEL - LOWERU

TB5

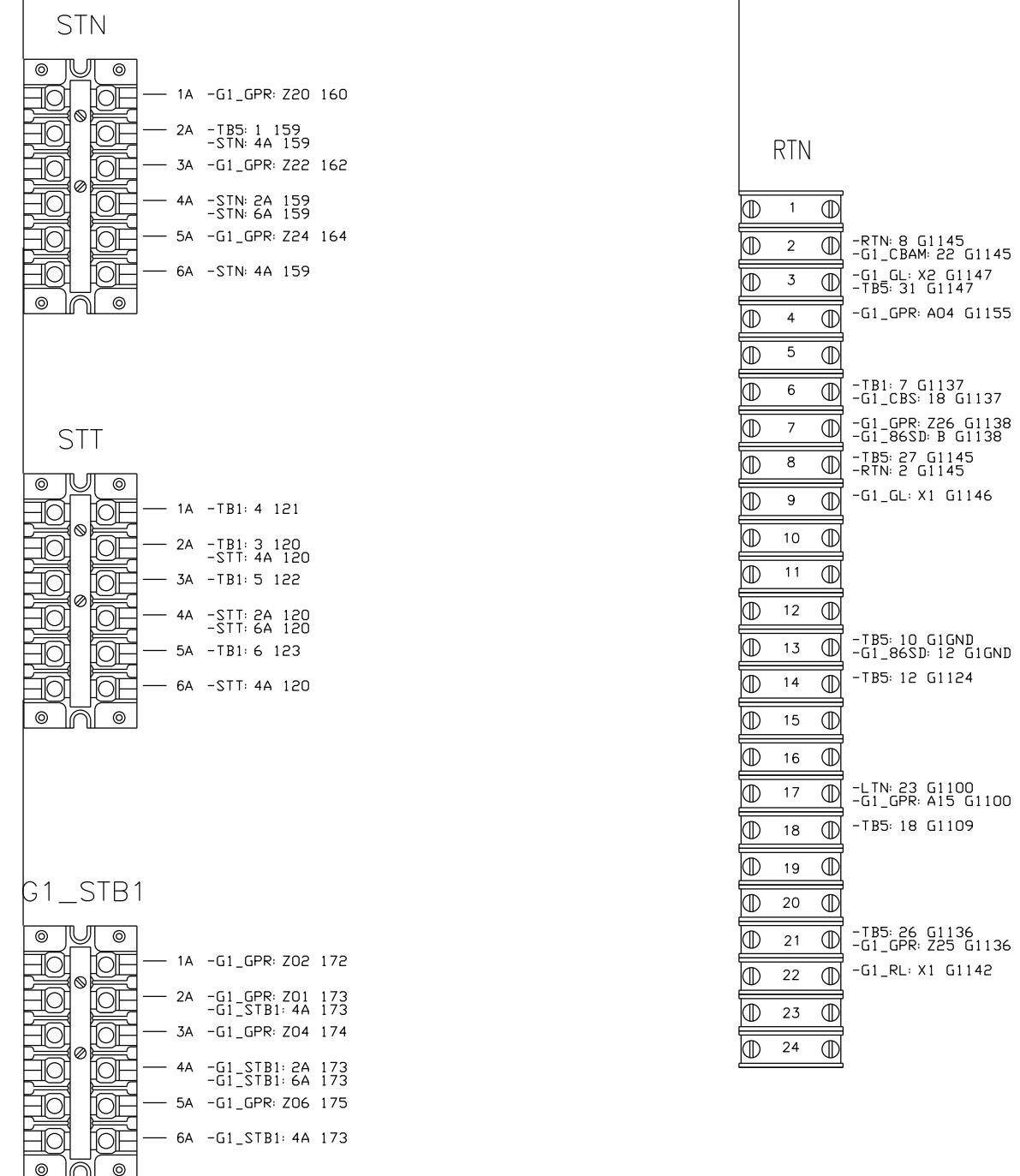
- 1 -STN: 2A 159
- 2 -G1_GPR: Z19 161
- 3 -G1_GPR: Z21 163
- 4 -G1_GPR: Z23 165
- 5 -BFU: 2 167
- 6 -BFU: 4 168
- 7 -BFU: 6 169
- 8 -LTN: 1 G1100
- 9 -G1_GPR: A18 G1104
- 10 -RTN: 13 G1GND
- 11 -G1_86SD: 18 G1030
- 12 -RTN: 14 G1124
- 13 -G1_ERL: X2 G1GND
- 14 -G1_ERL: X1 G1070
- 15 -G1_ESTP: 1 G1108
- 16 -G1_ESTP: 2 G1078
- 17 -LTN: 23 G1100
- 18 -RTN: 18 G1109
- 19 -LTN: 24 G1110
- 20 -G1_86T: 18 G1111
- 21 -G1_86SD: 14 G1112
- 22 -G1_GPR: A02 G1113
- 23 -G1_GPR: A16 G1114
- 24 -G1_CBAM: 13 G1115
- 25 -TB1: 7 G1137
- 26 -RTN: 21 G1136
- 27 -RTN: 8 G1145
- 28 -G1_CBAM: 23 G1150
- 29 -G1_CBS: 17 G1149
- 30 -G1_GPR: Z26 G1138
- 31 -RTN: 3 G1147

CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			Kohler Co.		
REV	DATE	REVISION	BY	PROJECT NAME:		DES. NO.:	ITEM	APPROV'D BY
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ARMED FORCES RETIREMENT		JXH	ES-90465	SWGR
A	5-28-09	REVISED - FOR MANUFACTURING [87742]						
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D BY				
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DATE				
			DRAWN	DMR	11-7-08			
			CHECKED	APF	11-7-08			
			APPROVED	MEP	11-7-08			
SECTION/FUNCTION			SCALE			DWG. NO.		
5			SHEET			E57 OF 92		
						SGP-1297 D		

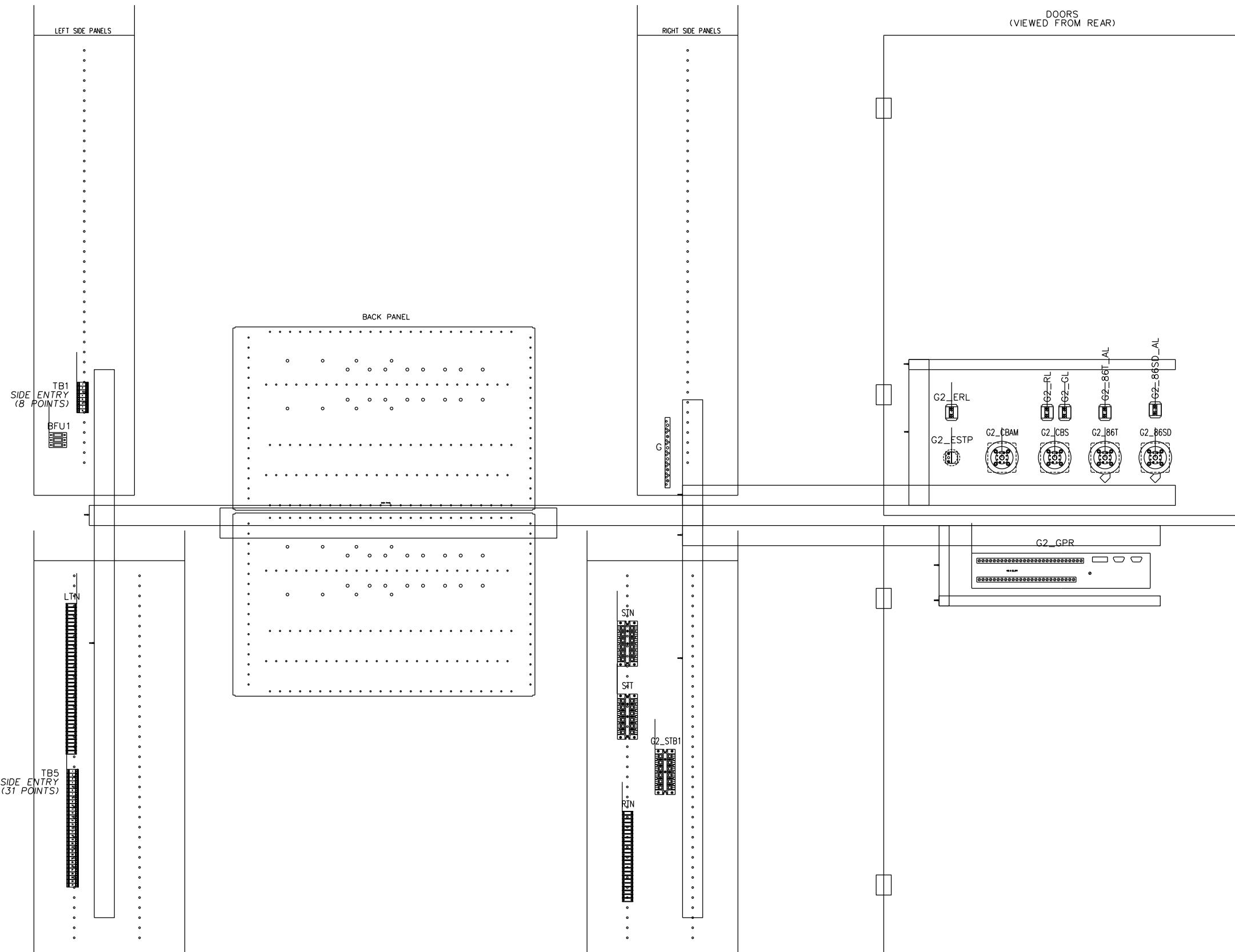
RIGHT SIDE PANEL - UPPERu



RIGHT SIDE PANEL - LOWERu



CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			Kohler Co.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	SWGR	WIRE DIAGRAM	SECTION 5 - SWGR
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR ES NO.:	ES-90465	ITEM	SWGR	PROJECT SYSTEMS KOHLER, INC. WISCONSIN 44 U.S.A. THIS DRAWING IS FOR INFORMATION AND DETAILS OF KOHLER CO. PROPERTY AND MUST NOT BE USED OR EXCERPTED FOR CONSTRUCTION ON THE KOHLER CO. WORK. ALL RIGHTS OF DESIGN OWNERSHIP ARE RESERVED.	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH				TITLE	
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D/MASS	DATE		WIRE DIAGRAM	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR	11-7-08	SECTION 5 - SWGR	
				CHECKED	APF	11-7-08	SCALE	CAD NO. SHEET E58 OF 92
				APPROVED	MEP	11-7-08	PUBLISHED	DWG. NO. SGP-1297 D



DEVICE ID	PART#
G2_CBAM	X-6108-8,X-6108-72
G2_CBS	X-6108-4
G2_ERL	X-6127-82,X-6127-77
G2_ESTP	GM22306,292364
G2_GL	X-6127-83,X-6127-78
G2_GPR	X-6156-104
G2_RL	X-6127-84,X-6127-79
G2_86SD	X-6155-9
G2_86SD_AL	X-6127-85,X-6127-80
G2_86T	X-6155-9
G2_86T_AL	X-6127-85,X-6127-80

CAE GENERATED DRAWING			PROJECT NO.:	SGP-1297		KOHLER CO. PROPRIETARY AND CONFIDENTIAL. KOHLER CO. CROWN TRADE MARK AND MUST NOT BE USED OR EXCERPTED FOR COMMERCIAL PURPOSES. KOHLER CO. RESERVES ALL RIGHTS OF DESIGN AND INVENTION OWNERSHIP THEREIN.
REV	DATE	REVISION	BY	PROJECT NAME:	ITEM	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ARMED FORCES RETIREMENT	SWGR	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90465	ITEM	
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV/MASS	DATE	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR	11-7-08
				CHECKED	APF	11-7-08
				APPROVED	MEP	11-7-08

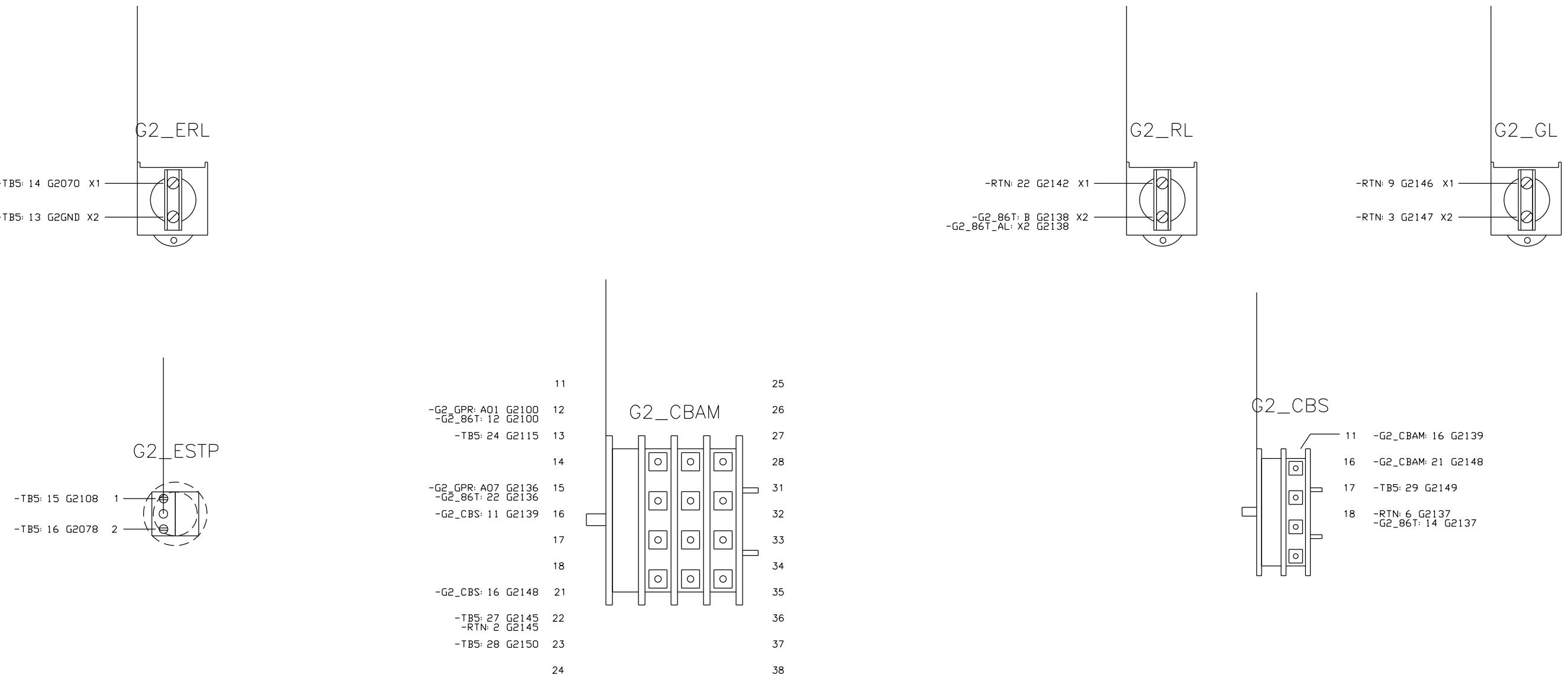
SECTION/FUNCTION 6

SECTION LAYOUT SECTION 6 - SWGR

SCALE CAD NO. SHEET E59 OF 92

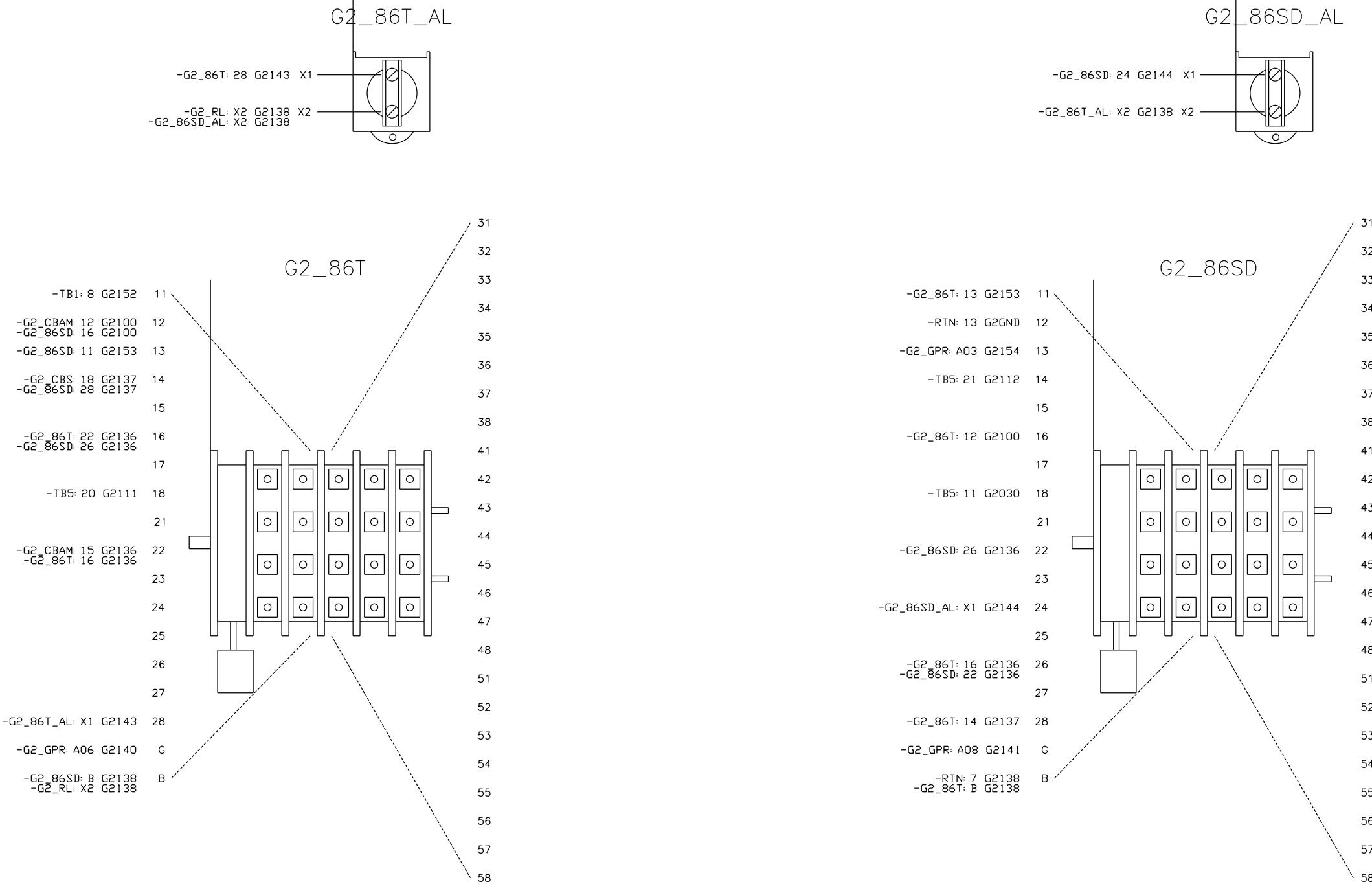
PUBLISHED Dwg. No. SGP-1297 D

DOOR - UPPERu
(VIEWED FROM REAR)



CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			Kohler Co.		
REV	DATE	REVISION	PROJECT NAME: ARMED FORCES RETIREMENT	DES. NO.: ES-90465	ITEM SWGR	WIRE DIAGRAM SECTION 6 - SWGR		
-	11-7-08	NEW DRAWING - FOR SUBMITAL [86663]	DMR			DRAWN	DMR	11-7-08
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	APPROV'D AS ES-90465	DATE 11-7-08	CHECKED	APF	11-7-08
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D AS ES-90465	DATE 11-7-08	APPROVED	MEP	11-7-08
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM					
SECTION/FUNCTION 6			SCALE	CAD NO.	Sheet E60 OF 92	PUBLISHED	DWG. NO.	SGP-1297 D

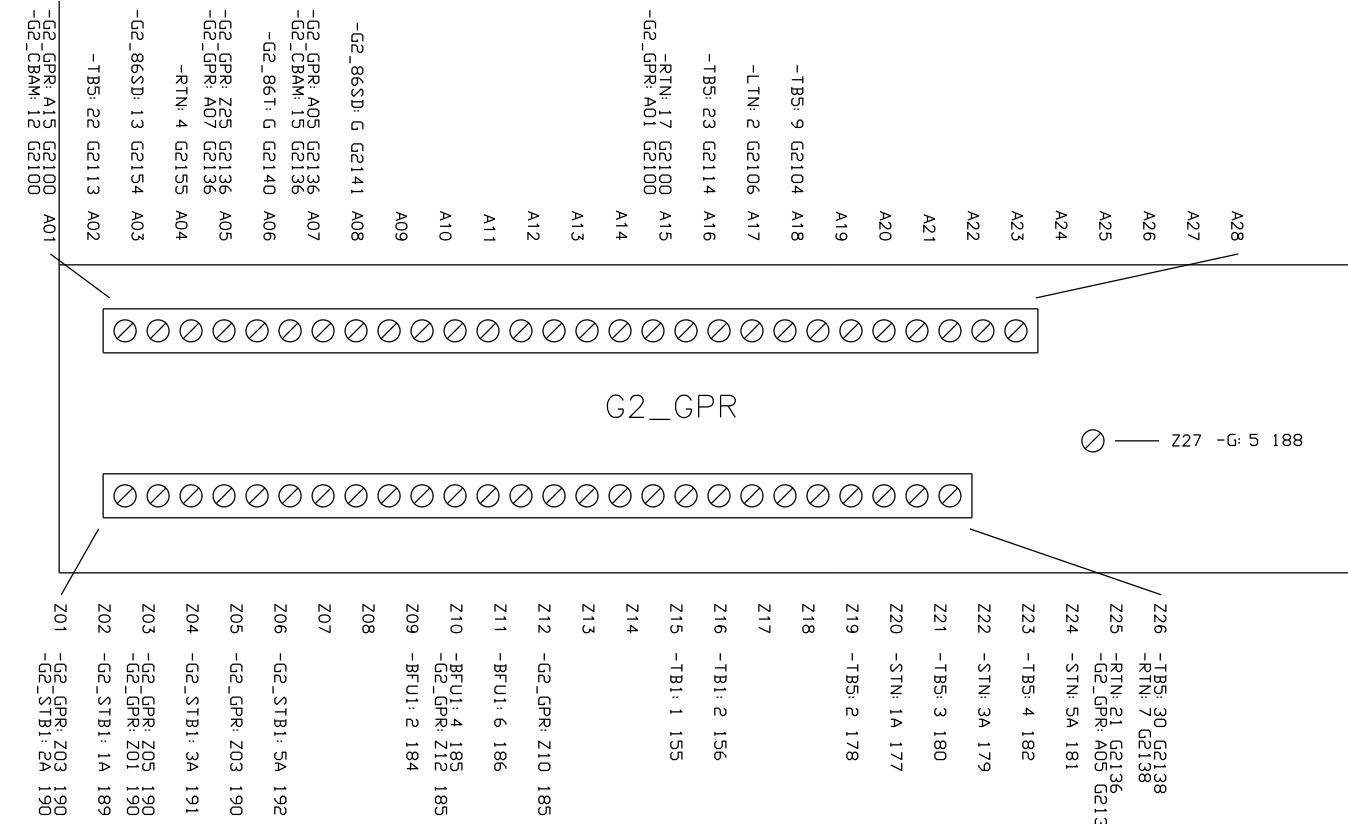
DOOR - UPPerU
(VIEWED FROM REAR)



CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			Kohler Co.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	ITEM NO.:	APPROV'D BY	DATE
-	11-7-08	NEW DRAWING - FOR SUBMITAL [86663]	DMR	ES-90465	SWGR			
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH					
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP					
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM					
			DRAWN	DMR	11-7-08	SCALE	CAD NO.	Sheet E61 OF 92
			CHECKED	APF	11-7-08	PUBLISHED	DWG. NO.	SGP-1297 D
			APPROVED	MEP	11-7-08			

SECTION/FUNCTION 6

DOOR - LOWER
(VIEWED FROM REAR)



CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			KOHLER CO. PIONEER SYSTEMS KOHLER CO. INC. WISCONSIN U.S.A. THIS DRAWING IS FOR INFORMATION PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE IF THE INFORMATION CONTAINED THEREIN IS APPROPRIATE FOR THE INTENDED USE. KOHLER CO. INC. AND ITS SUBSIDIARIES ARE NOT LIABLE FOR ANY DAMAGES OR EXPENSES ARISING OUT OF THE USE OF THIS DRAWING.	
REV	DATE	REVISION	BY	PROJECT NAME:	ITEM		
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ARMED FORCES RETIREMENT	SWGR	TITLE: WIRE DIAGRAM SECTION 6 - SWGR	SCALE: CAD NO.: SHEET E62 OF 92 PLATED: Dwg. No. SGP-1297 D
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90465			
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D AS-BUILT	DATE		
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08		
SECTION/FUNCTION 6			CHECKED APF		11-7-08		
			APPROVED MEP		11-7-08		

LEFT SIDE PANEL - UPPERT

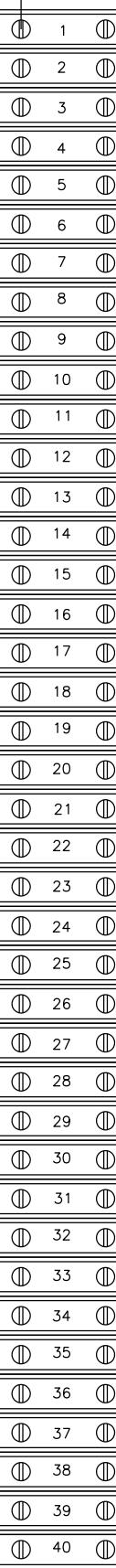
TB1

- 1 -G2_GPR: Z15 155
- 2 -G2_GPR: Z16 156
- 3 -STT: 2A 124
- 4 -STT: 1A 125
- 5 -STT: 3A 126
- 6 -STT: 5A 127
- 7 -TB5: 25 G2137
-RTN: 6 G2137
- 8 -G2_86T: 11 G2152

BFU1

- 2 -TB5: 5 184
-G2_GPR: Z09 184
- 4 -TB5: 6 185
-G2_GPR: Z10 185
- 6 -TB5: 7 186
-G2_GPR: Z11 186

LTN



-TB5: 8 G2100
-G2_GPR: A17 G2106

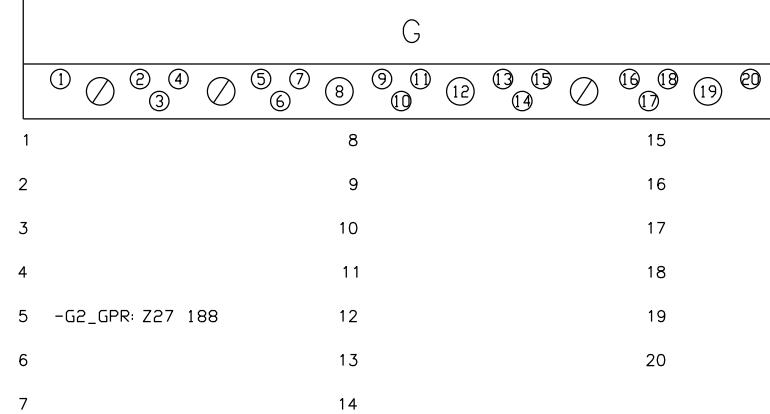
LEFT SIDE PANEL - LOWERU

TB5

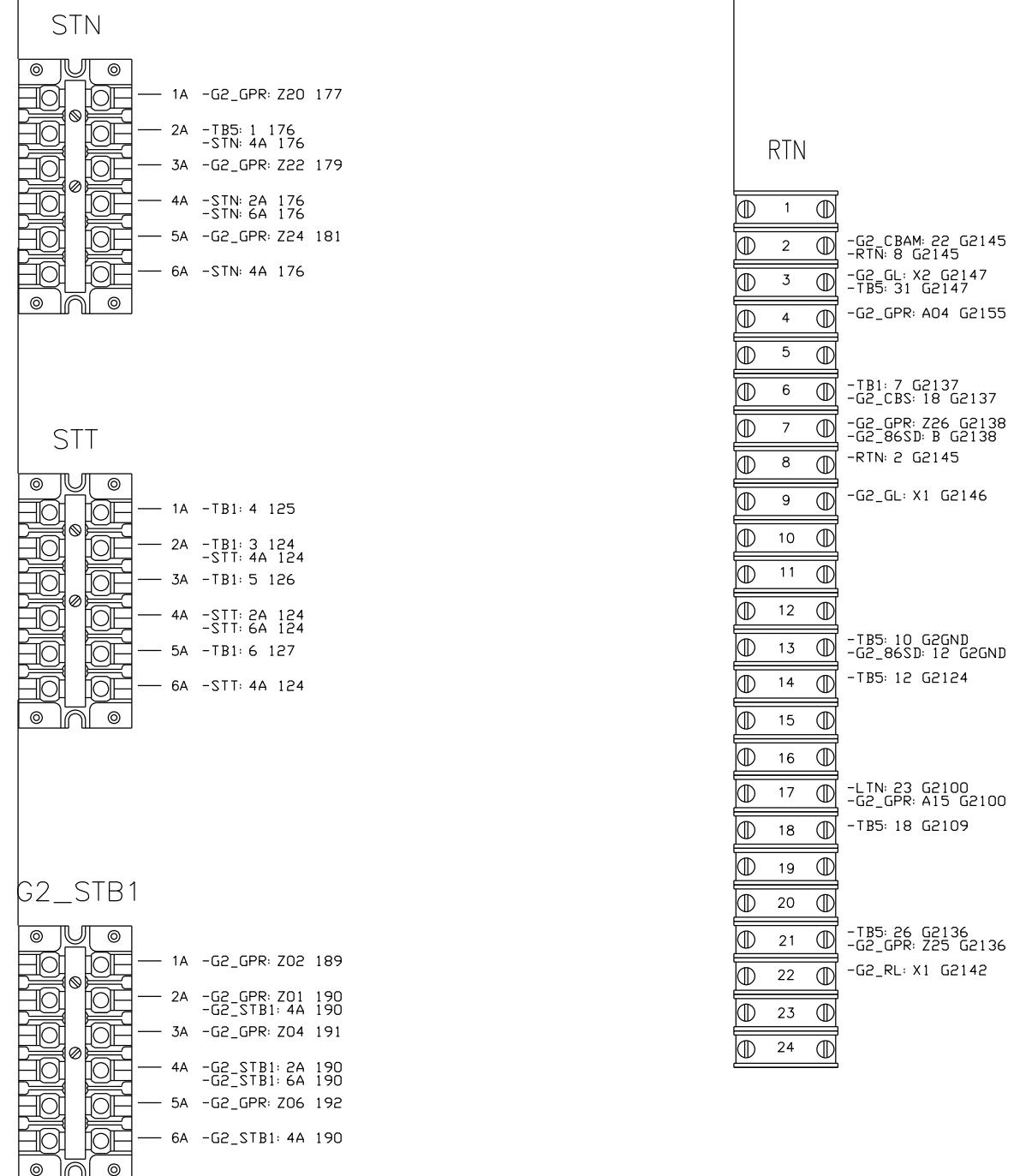
- 1 -STN: 2A 176
- 2 -G2_GPR: Z19 178
- 3 -G2_GPR: Z21 180
- 4 -G2_GPR: Z23 182
- 5 -BFU1: 2 184
- 6 -BFU1: 4 185
- 7 -BFU1: 6 186
- 8 -LTN: 1 G2100
- 9 -G2_GPR: A18 G2104
- 10 -RTN: 13 G2GND
- 11 -G2_86SD: 18 G2030
- 12 -RTN: 14 G2124
- 13 -G2_ERL: X2 G2GND
- 14 -G2_ERL: X1 G2070
- 15 -G2_ESTP: 1 G2108
- 16 -G2_ESTP: 2 G2078
- 17 -LTN: 23 G2100
- 18 -RTN: 18 G2109
- 19 -LTN: 24 G2110
- 20 -G2_86T: 18 G2111
- 21 -G2_86SD: 14 G2112
- 22 -G2_GPR: A02 G2113
- 23 -G2_GPR: A16 G2114
- 24 -G2_CBAM: 13 G2115
- 25 -TB1: 7 G2137
- 26 -RTN: 21 G2136
- 27 -G2_CBAM: 22 G2145
- 28 -G2_CBAM: 23 G2150
- 29 -G2_CBS: 17 G2149
- 30 -G2_GPR: Z26 G2138
- 31 -RTN: 3 G2147

CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			Kohler Co.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	WIRE DIAGRAM SECTION 6 - SWGR		
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO.:	SWGR			
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90465				
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D/MASS	DATE			
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR	11-7-08	SCALE	
				CHECKED	APF	11-7-08	CD NO.	Sheet E63 OF 92
				APPROVED	MEP	11-7-08	PUBLISHED	DWG. NO.
								SGP-1297 D

RIGHT SIDE PANEL - UPPERu

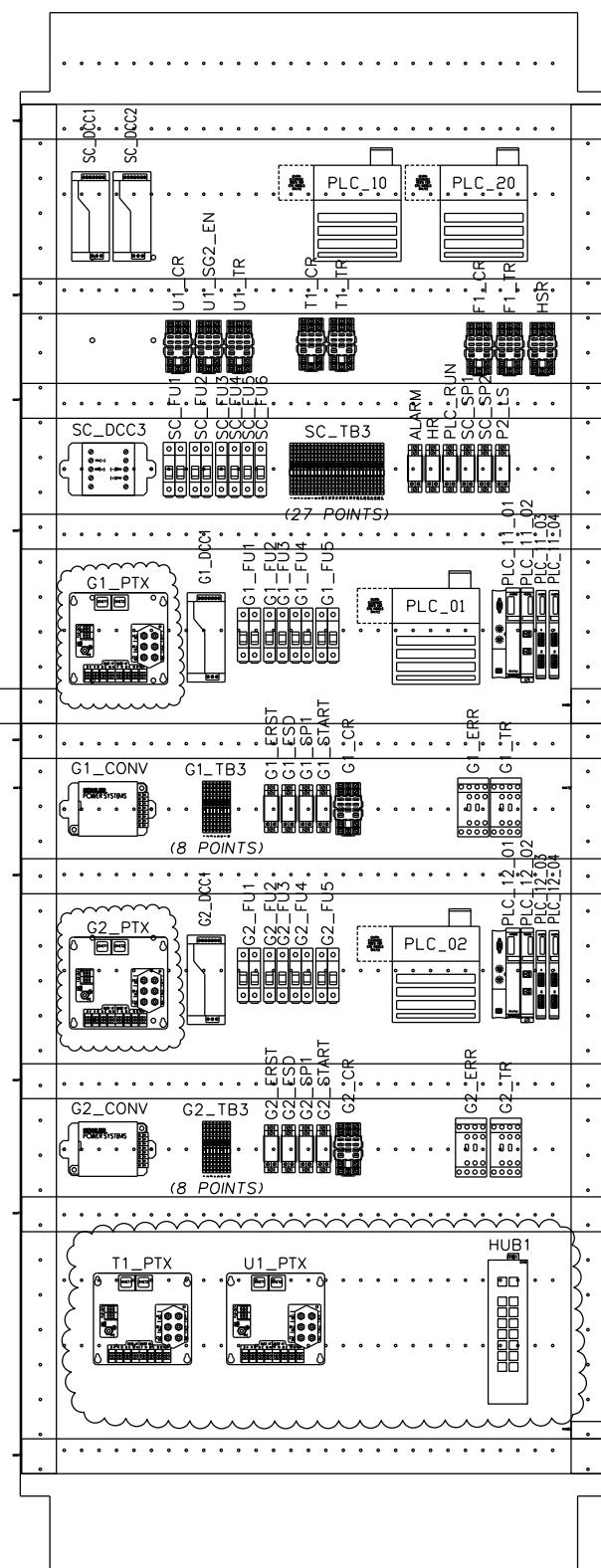
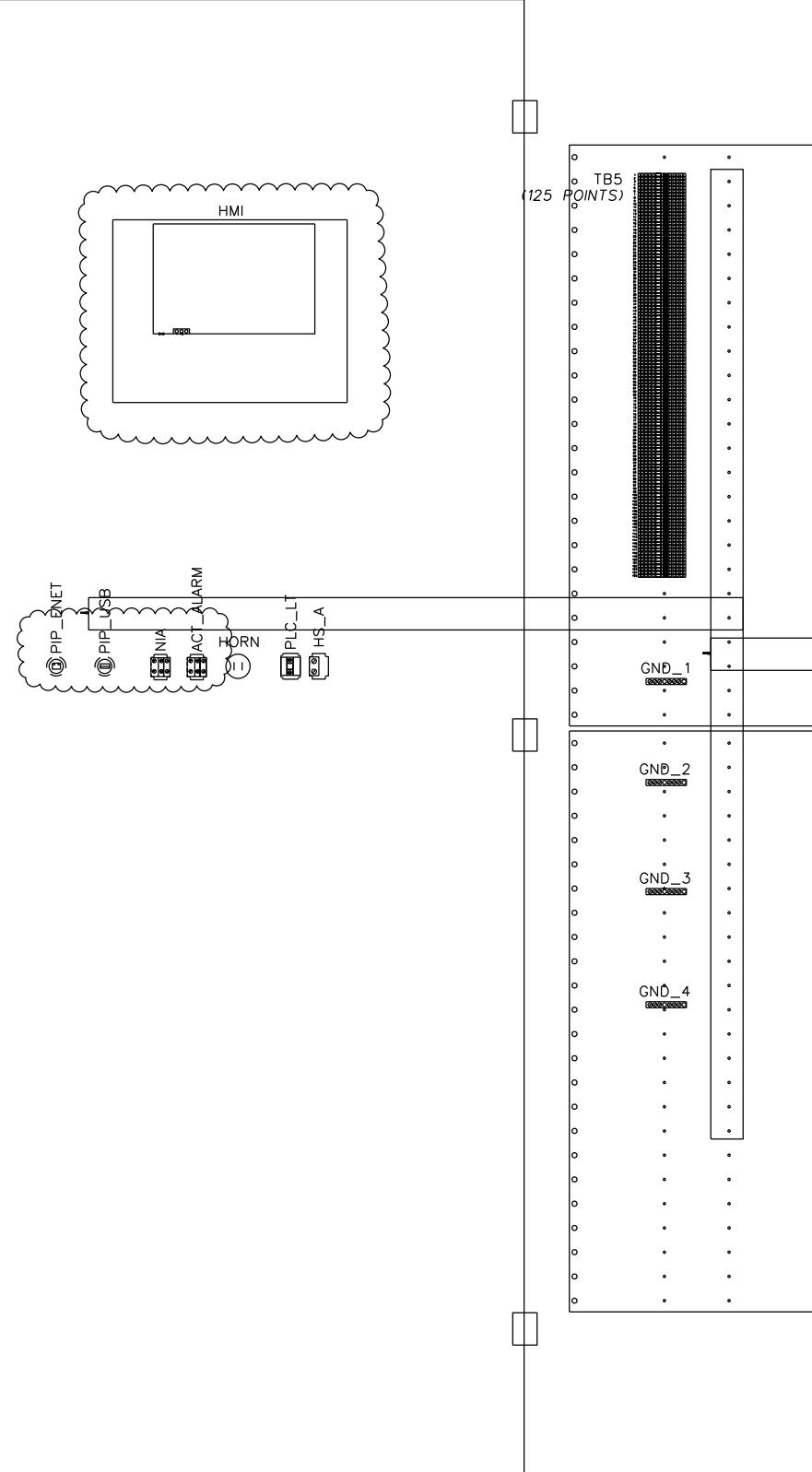


RIGHT SIDE PANEL - LOWERu

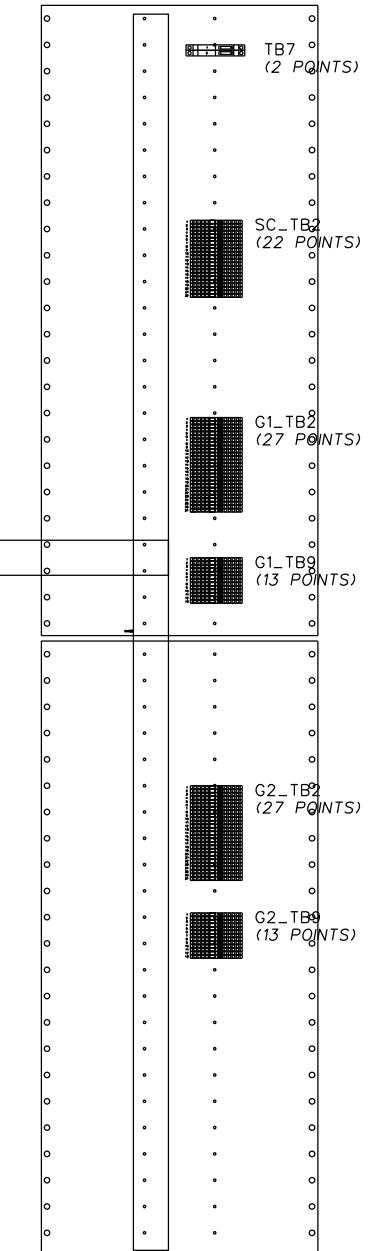


CAE GENERATED DRAWING			PROJECT NO.:	SGP-1297		KOHLER CO. PROPRIETARY AND CONFIDENTIAL. KOHLER CO. CROWN TRADEMARK AND MOTOR TRADEMARKS OF KOHLER CO. ARE REGISTERED TRADEMARKS. ALL RIGHTS RESERVED. USE OF THIS DRAWING CONSTITUTES CONSENT TO ITS RECEIPT.
REV	DATE	REVISION	BY	PROJECT NAME:	ITEM	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ARMED FORCES RETIREMENT		
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90465	SWGR	
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D/ASS	DATE	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR	11-7-08
				CHECKED	APF	11-7-08
				APPROVED	MP	11-7-08
SECTION/FUNCTION 6			SCALE	CAD NO.	SHEET	E64 OF 92
			PUBLISHED	DWG. NO.		SGP-1297 D

DOORS
(VIEWED FROM REAR)



BREAKER AREA
(VIEWED FROM REAR)



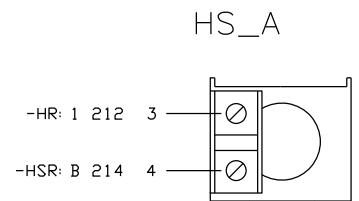
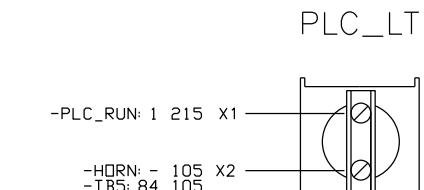
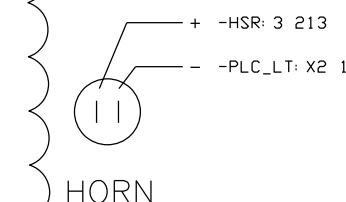
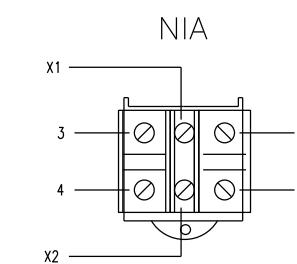
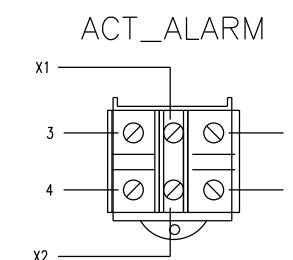
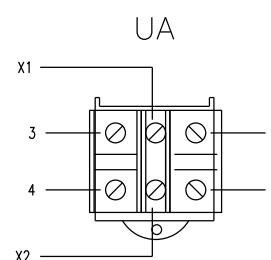
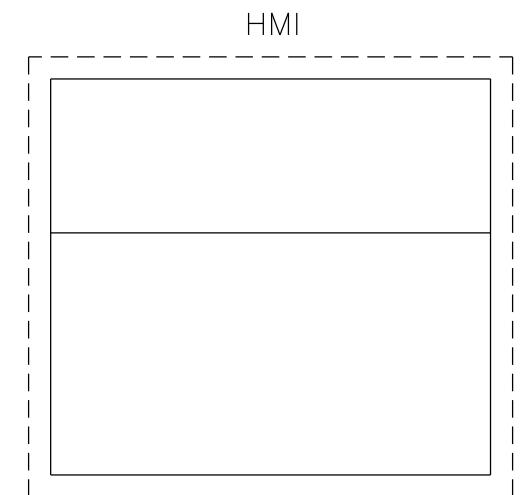
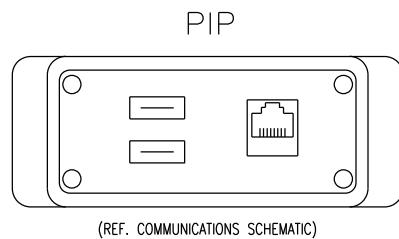
DEVICE ID	PART#
ACT_ALARM	GM64083
NIA	GM64083
ALARM	X-6137-5,X-6124-12,X-6124-13
F1_CR	X-6137-42,X-6124-4,X-6124-5
F1_TR	X-6137-42,X-6124-4,X-6124-5
G1_CAB1	2021901318
G1_CAB2	2021901318
G1_CAB3	2021901384
G1_CAB4	2021901379
G1_CONN	CM23792
G1_CONV	GM47021,GM47008,GM40165,GM40142
G1_CR	X-6137-42,X-6124-5,X-6124-4
G1_DCC1	GM37654
G1_ERR	GM55288
G1_ERST	X-6137-5,X-6124-13,X-6124-12
G1_ESD	X-6137-5,X-6124-13,X-6124-12
G1_FU1	X-6135-6,X-6129-16
G1_FU2	X-6135-6,X-6129-16
G1_FU3	X-6135-6,X-6129-16
G1_FU4	X-6135-6,X-6135-6,X-6129-20
G1_FU5	X-6135-6,X-6135-6,X-6129-20
G1_PTG	X-6170-65
G1_PTX	X-6137-5,X-6124-13,X-6124-12
G1_START	X-6137-5,X-6124-13,X-6124-12
G1_TR	CM55288
G2_CAB1	2021901318
G2_CAB2	2021901318
G2_CAB3	2021901384
G2_CAB4	2021901379
G2_CONN	CM23792
G2_CONV	GM47021,GM47008,GM40165,GM40142
G2_CR	X-6137-42,X-6124-5,X-6124-4
G2_DCC1	GM37654
G2_ERR	GM55288
G2_ERST	X-6137-5,X-6124-13,X-6124-12
G2_ESD	X-6137-5,X-6124-13,X-6124-12
G2_FU1	X-6135-6,X-6129-20
G2_FU2	X-6135-6,X-6129-16
G2_FU3	X-6135-6,X-6135-6,X-6129-20
G2_FU4	X-6135-6,X-6135-6,X-6129-20
G2_FU5	X-6135-6,X-6135-6,X-6129-20
G2_PTG	X-6170-65
G2_PTX	X-6137-5,X-6124-13,X-6124-12
G2_START	X-6137-5,X-6124-13,X-6124-12
G2_TR	CM55288
GND_1	CM12266
GND_2	CM12266
GND_3	CM12266
GND_4	CM12266
HMI	GM06774,GM05670
HORN	X-6125-3
HR	X-6137-5,X-6124-12,X-6124-13
HS_A	GM13501,GM13508
HSR	291309,X-6124-4,X-6124-5
HUB1	GM10139
PIP	CM94312,CM94313
PLC_LT	X-6127-79,X-6127-84
PLC_RUN	X-6137-5,X-6124-12,X-6124-13
PLC_01	CM14133,CM14124,GM103420
PLC_02	CM14133,CM14124,GM103420
PLC_10	CM14132,CM14124,GM103420
PLC_11	CM14189
PLC_11_02	CM45910,GM39256,GM39246
PLC_11_03	[2]CM45911,CM39257,GM39251
PLC_11_04	[2]CM45911,CM39257,GM39248
PLC_12	CM45910
PLC_12_02	CM45910,GM39256,GM39246
PLC_12_03	[2]CM45911,GM39257,GM39251
PLC_12_04	[2]CM45911,GM39257,GM39248
PLC_20	CM14132,CM14124,GM79869
SC_DCC1	CM37654
SC_DCC2	CM37654
SC_DCC3	GM50586,GM47008,[2]GM47021,[4]X-49-43,[4]X-22-24
SC_FU1	X-6129-20,X-6135-6,X-6135-6
SC_FU2	X-6129-20,X-6135-6,X-6135-6
SC_FU3	X-6129-16,X-6135-6
SC_FU4	X-6129-16,X-6135-6
SC_FU5	X-6129-16,X-6135-6
SC_SP1	X-6137-5,X-6124-12,X-6124-13
SC_SP2	X-6137-5,X-6124-12,X-6124-13
SC_SP3	X-6137-5,X-6124-12,X-6124-13
T1_CR	X-6137-42,X-6124-4,X-6124-5
T1_PTG	X-6170-65
T1_TR	X-6137-42,X-6124-4,X-6124-5
U1_CR	X-6137-42,X-6124-4,X-6124-5
U1_PTG	X-6170-65
U1_SG2_EN	X-6137-42,X-6124-4,X-6124-5
U1_TR	X-6137-42,X-6124-4,X-6124-5

CAE GENERATED DRAWING			PROJECT NO:	SGP-1297	
REV	DATE	REVISION	BY	PROJECT NAME:	SGP-1297
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO:	ARMED FORCES RETIREMENT
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90464	CTRL
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D BY	DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR
				CHECKED	APF
				APPROVED	MEP
				PILOTED	DWG. NO.
					SHEET E65 OF 92
					SGP-1297 D

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CAE GENERATED DRAWING			PROJECT NO.: SGP-1297		
REV	DATE	REVISION	BY	PROJECT NAME:	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DR	ARMED FORCES RETIREMENT	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	ES-90464	ITEM	CTRL
B	7-16-09	REVISED PER AS-BUILT [88108]	JXH	APPROV'D BY ASS	DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	SJP	DRAWN	DMR
				CHECKED	11-7-08
				APPROVED	APF
				PUBLISHED	11-7-08
				DWG. NO.	SGP-1297 D
SECTION/FUNCTION 1			TITLE: WIRE DIAGRAM SECTION 1 - CTRL		
SCALE: E66 OF 92			PAGE NO. 1 OF 1		

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WIRE DIAGRAM
SECTION 1 - CTRL

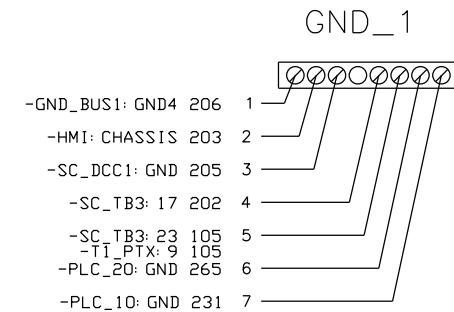
SGP-1297 D

LEFT SIDE PANEL - UPPERTB

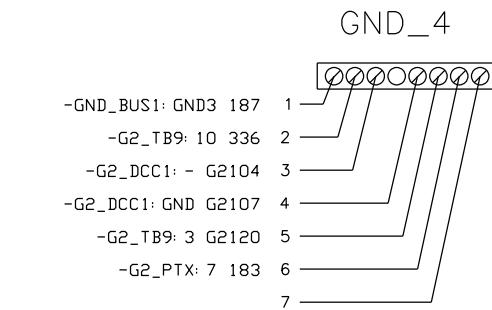
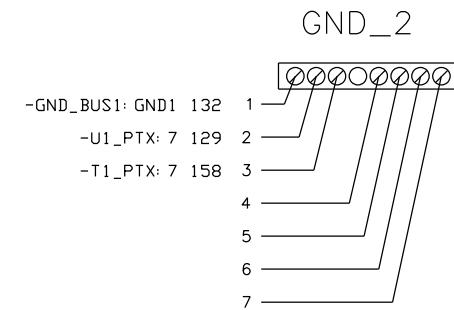
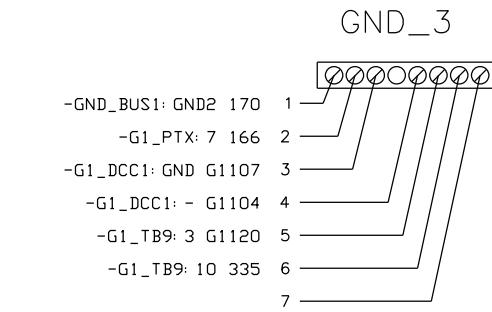
TB5 CONT...	TB5 CONT...	TB5 CONT...
○ 1 ○ -U1_PTX: 1 128	○ 35 ○ -G1_TB2: 8 G1124	○ 70 ○ -PLC_02: 1. 4 G2112
○ 2 ○ -U1_PTX: 3 130	○ 36 ○ -G1_ERST: 9 G1GND -TB5: 33 G1GND	○ 71 ○ -PLC_02: 1. 5 G2113
○ 3 ○ -U1_PTX: 6 131	○ 37 ○ -G1_ERR: A1 G1070	○ 72 ○ -PLC_02: 1. 6 G2114
○ 4 ○ -U1_PTX: 10 134	○ 38 ○ -G1_TB2: 14 G1108	○ 73 ○ -PLC_02: 1. 7 G2115
○ 5 ○ -U1_PTX: 12 137	○ 39 ○ -G1_TB2: 10 G1078	○ 74 ○ -G2_ERR: R2 G2137
○ 6 ○ -U1_PTX: 14 139	○ 40 ○ -TB5: 31 G1100 -G1_TB3: 4 G1100	○ 75 ○ -TB5: 76 G2JUMPER
○ 7 ○ -U1_PTX: 11 135	○ 41 ○ -PLC_01: 1. 1 G1109	○ 76 ○ -G2_FU4: 2 G2136 -TB5: 75 G2136
○ 8 ○ -T1_PTX: 2 140	○ 42 ○ -PLC_01: 1. 2 G1110	○ 77 ○ -G2_FU5: 2 G2145
○ 9 ○ -T1_PTX: 5 141	○ 43 ○ -PLC_01: 1. 3 G1111	○ 78 ○ -G2_CR: 6 G2150
○ 10 ○ -T1_PTX: 13 147	○ 44 ○ -PLC_01: 1. 4 G1112	○ 79 ○ -G2_CR: 4 G2149
○ 11 ○ -T1_PTX: 10 149	○ 45 ○ -PLC_01: 1. 5 G1113	○ 80 ○ -G2_ERR: 4 G2151
○ 12 ○ -T1_PTX: 12 151	○ 46 ○ -PLC_01: 1. 6 G1114	○ 81 ○ -G2_FU4: 4 G2138
○ 13 ○ -T1_PTX: 14 153	○ 47 ○ -PLC_01: 1. 7 G1115	○ 82 ○ -G2_FU5: 4 G2147
○ 14 ○ -G1_PTX: 2 155	○ 48 ○ -G1_ERR: R2 G1137	○ 83 ○ -U1_SG2_EN: 6 217
○ 15 ○ -G1_PTX: 5 156	○ 49 ○ -TB5: 50 G1JUMPER	○ 84 ○ -PLC_LT: X2 105 -U1_CR: A 105
○ 16 ○ -T1_PTX: 6 157	○ 50 ○ -G1_FU4: 2 G1136 -TB5: 49 G1136	○ 85 ○ -SC_FU6: 2 104
○ 17 ○ -G1_PTX: 11 159	○ 51 ○ -G1_FU5: 2 G1145	○ 86 ○ -PLC_10: 1. 2 219
○ 18 ○ -G1_PTX: 10 161	○ 52 ○ -G1_CR: 6 G1150	○ 87 ○ -PLC_10: 1. 3 220
○ 19 ○ -G1_PTX: 12 163	○ 53 ○ -G1_CR: 4 G1149	○ 88 ○ -PLC_10: 1. 4 221
○ 20 ○ -G1_PTX: 14 165	○ 54 ○ -G1_ERR: 4 G1151	○ 89 ○ -PLC_10: 1. 5 222
○ 21 ○ -G1_PTX: 1 167	○ 55 ○ -G1_FU4: 4 G1138	○ 90 ○ -PLC_10: 1. 6 223
○ 22 ○ -G1_PTX: 3 168	○ 56 ○ -G1_FU5: 4 G1147	○ 91 ○ -PLC_20: 1. 1 251
○ 23 ○ -G1_PTX: 6 169	○ 57 ○ -TB5: 66 G2100	○ 92 ○ -PLC_20: 1. 2 252
○ 24 ○ -G2_PTX: 11 176	○ 58 ○ -G2_TB3: 8 G2104	○ 93 ○ -PLC_20: 1. 3 253
○ 25 ○ -G2_PTX: 10 178	○ 59 ○ -TB5: 62 G2GND	○ 94 ○ -PLC_20: 1. 4 254
○ 26 ○ -G2_PTX: 12 180	○ 60 ○ -G2_ESD: 5 G2030	○ 95 ○ -PLC_20: 1. 5 255
○ 27 ○ -G2_PTX: 14 182	○ 61 ○ -G2_TB2: 8 G2124	○ 96 ○ -PLC_20: 1. 6 256
○ 28 ○ -G2_PTX: 1 184	○ 62 ○ -G2_ERST: 9 G2GND -TB5: 59 G2GND	○ 97 ○ -PLC_20: 1. 8 257
○ 29 ○ -G2_PTX: 3 185	○ 63 ○ -G2_ERR: A1 G2070	○ 98 ○ -PLC_20: 1. 9 258
○ 30 ○ -G2_PTX: 6 186	○ 64 ○ -G2_TB2: 14 G2108	○ 99 ○ -PLC_20: 1. 10 259
○ 31 ○ -TB5: 40 G1100	○ 65 ○ -G2_TB2: 10 G2078	○ 100 ○ -PLC_20: 1. 11 260
○ 32 ○ -G1_TB3: 8 G1104	○ 66 ○ -TB5: 57 G2100 -G2_TB3: 4 G2100	○ 101 ○ -PLC_20: 1. 12 261
○ 33 ○ -TB5: 36 G1GND	○ 67 ○ -PLC_02: 1. 1 G2109	○ 102 ○ -PLC_20: 1. 13 262
○ 34 ○ -G1_ESD: 5 G1030	○ 68 ○ -PLC_02: 1. 2 G2110	○ 103 ○ -PLC_20: 1. 15 263
	○ 69 ○ -PLC_02: 1. 3 G2111	○ 104 ○ -PLC_20: 1. 16 264

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REV	DATE	REVISION	BY		
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	APPROV'D	CAD NO. SHEET E67 OF 92
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90464	CTRL
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D	APPROV'D
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DMR	11-7-08
			DRAWN	APF	11-7-08
			CHECKED	MEP	11-7-08
			APPROV'D		
SECTION/FUNCTION 1			PUBLISHED	DWG. NO.	SGP-1297 D

LEFT SIDE PANEL - UPPERu

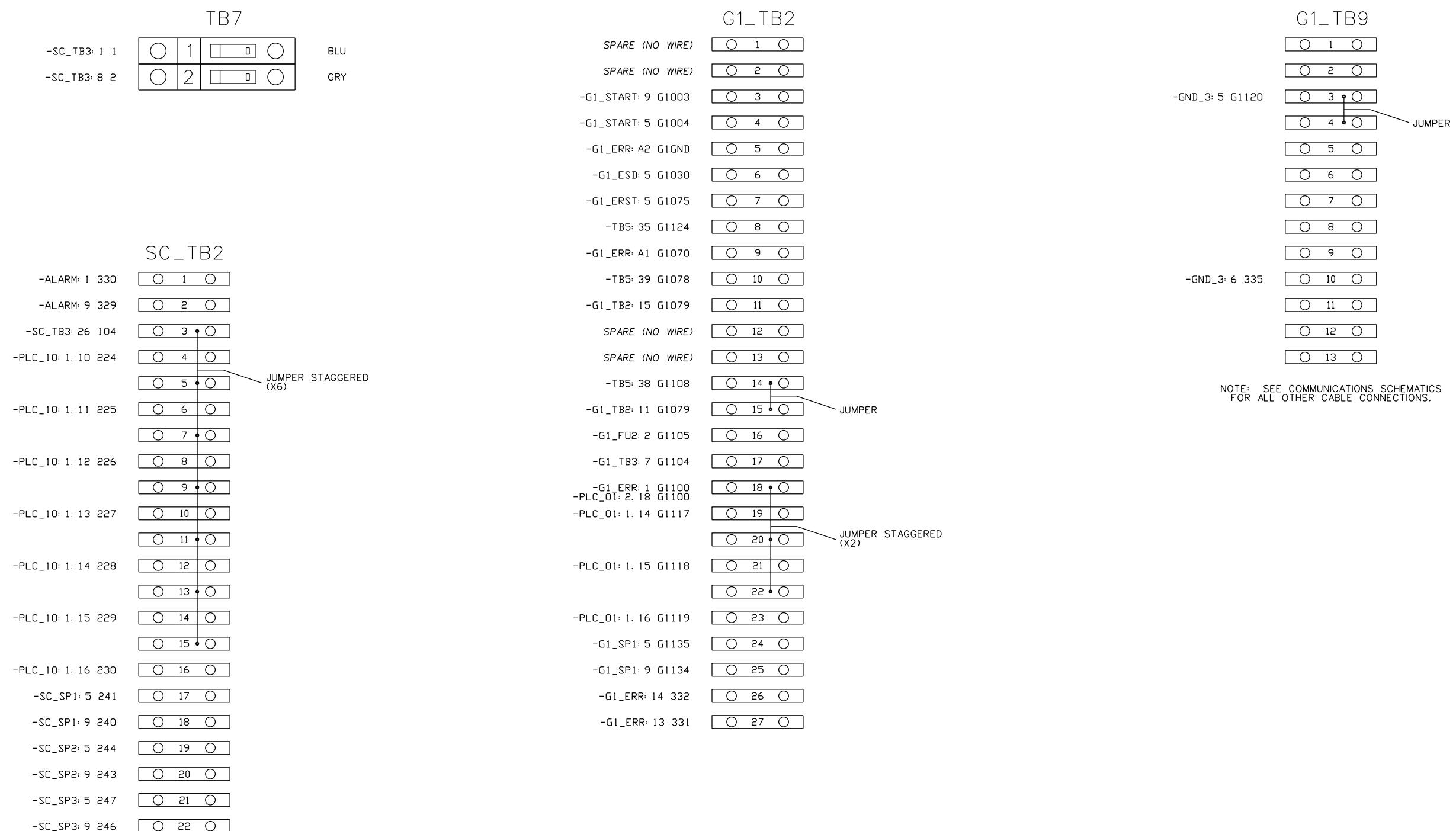


LEFT SIDE PANEL - LOWERu



CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			Kohler Co.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	DES. NO.:	APPROV'D BY	ITEM	CTRL
-	11-7-08	NEW DRAWING - FOR SUBMITAL [86663]	DMR					
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90464				
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D BY				
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR	11-7-08		
				CHECKED	APF	11-7-08		
				APPROVED	MEP	11-7-08		
SECTION/FUNCTION 1			SCALE	CAD NO.	SHEET	E68 OF 92	PUBLISHED	DWG. NO.
								SGP-1297 D

RIGHT SIDE PANEL - UPPERTB



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REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR ES NO.:	ES-90464	CTRL	TITLE: WIRE DIAGRAM SECTION 1 - CTRL
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH			
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D/ASS	DATE	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08	
				CHECKED APF	11-7-08	SCALE: CAD NO. SHEET E69 OF 92
				APPROVED MEP	11-7-08	PUBLISHED DWG. NO. SGP-1297 D
SECTION/FUNCTION 1						

RIGHT SIDE PANEL - LOWER

G2_TB2

SPARE (NO WIRE)	1
SPARE (NO WIRE)	2
-G2_START: 9 G2003	3
-G2_START: 5 G2004	4
-G2_ERR: A2 G2GND	5
-G2_ESD: 5 G2030	6
-G2_ERST: 5 G2075	7
-TB5: 61 G2124	8
-G2_ERR: A1 G2070	9
-TB5: 65 G2078	10
-G2_TB2: 15 G2079	11
SPARE (NO WIRE)	12
SPARE (NO WIRE)	13
-TB5: 64 G2108	14
-G2_TB2: 11 G2079	15
-G2_FU2: 2 G2105	16
-G2_TB3: 7 G2104	17
-G2_ERR: 1 G2100	18
-PLC_02: 2. 18 G2100	19
-PLC_02: 1. 14 G2117	20
-PLC_02: 1. 15 G2118	21
-PLC_02: 1. 16 G2119	22
-G2_SP1: 5 G2135	23
-G2_SP1: 9 G2134	24
-G2_ERR: 14 334	25
-G2_ERR: 13 333	26
	27

G2_TB9

1
2
3
4
5
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7
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11
12
13

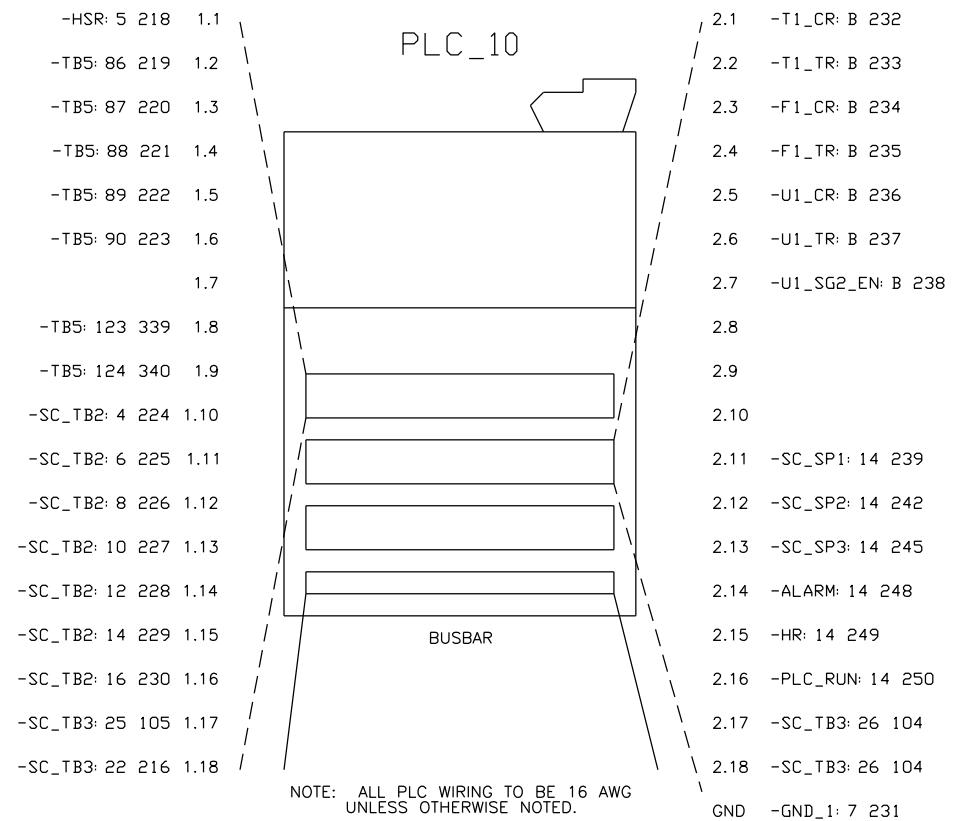
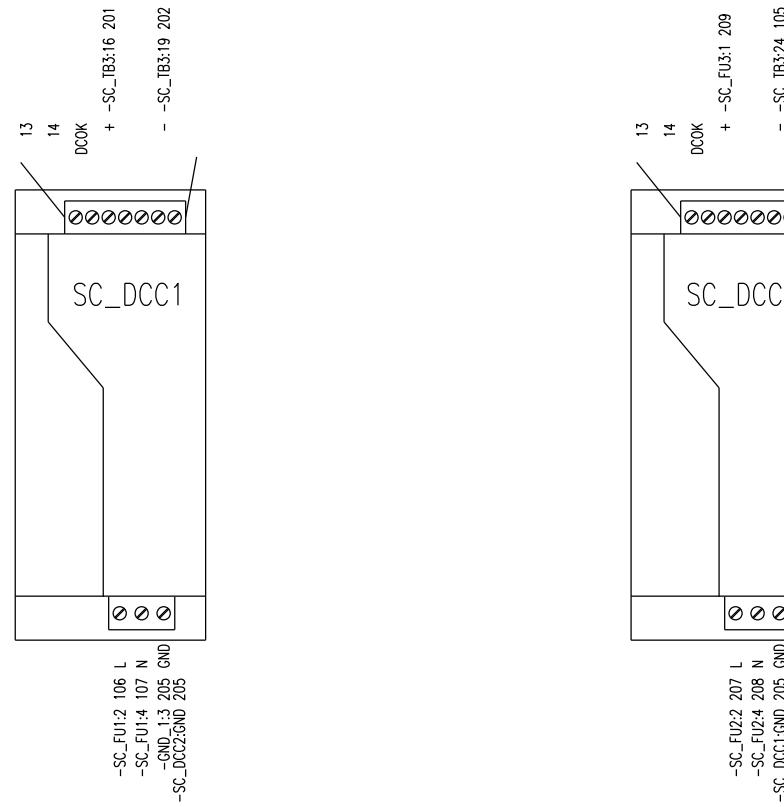
NOTE: SEE COMMUNICATIONS SCHEMATICS
FOR ALL OTHER CABLE CONNECTIONS.

JUMPER GM36086

JUMPER STAGGERED (X2)
GM46800

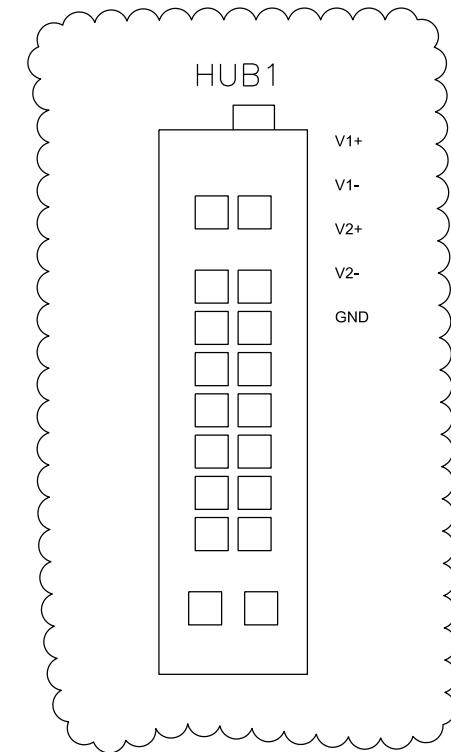
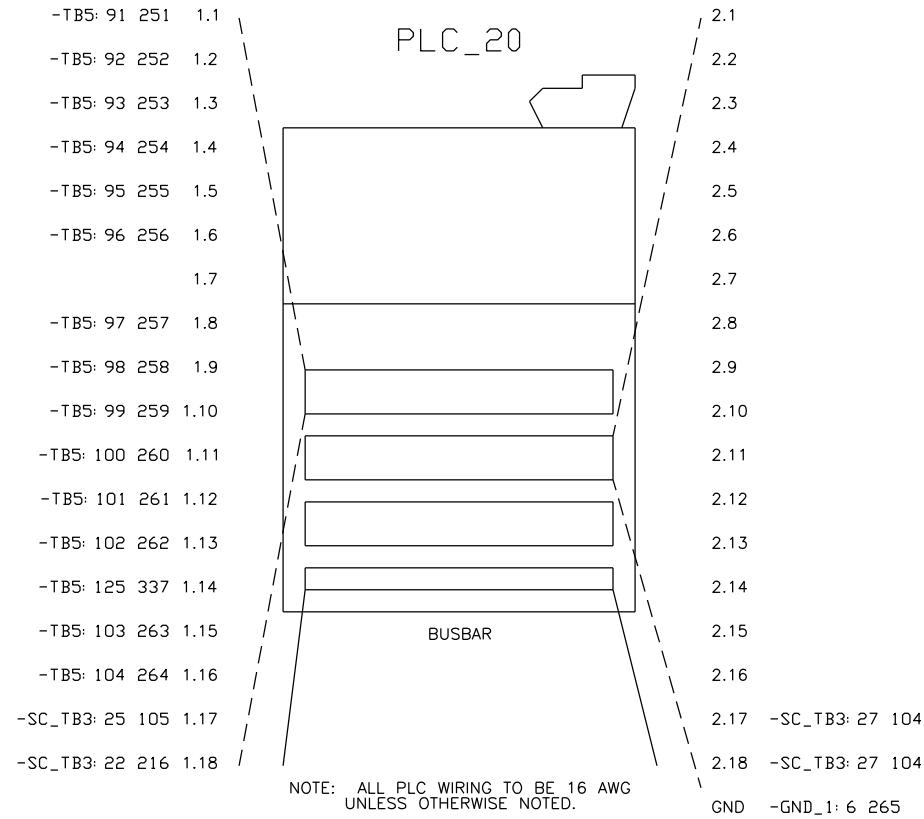
CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			KOHLER CO.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	DES. NO.:	APPROV'D BY	TITLE
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90464	CTRL			
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH					
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP					
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08			
				CHECKED APF	11-7-08	SCALE	CAD NO.	SHEET E 70 OF 92
				APPROVED MEP	11-7-08	PUBLISHED	DWG. NO.	SGP-1297 D
SECTION/FUNCTION 1								

BACK PANEL



CAE GENERATED DRAWING			PROJECT NO.: SGP-1297			KOHLER CO.		
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	DES. NO.:	ITEM	CTRL	WIRE DIAGRAM SECTION 1 - CTRL
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90464	ITEM	CTRL		
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH					
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D AS	DATE			
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08			
				CHECKED APF	11-7-08			
				APPROVED MEP	11-7-08			
SECTION/FUNCTION 1			SCALE	CD NO.	SHEET	E71	OF 92	SGP-1297 D

BACK PANEL



CAE GENERATED DRAWING			PROJECT NO.: SGP-1297		
REV	DATE	REVISION	PROJECT NAME: ARMED FORCES RETIREMENT	ITEM	DMR NO.: ES-90464
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	CTRL		JXH
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	APPROV'D BY	APPROV'D DATE	SJP
B	7-16-09	REVISED PER AS-BUILT [88108]	DRAWN	DMR	11-7-08
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CHECKED	APF	11-7-08
			APPROVED	MEP	11-7-08

SECTION/FUNCTION 1

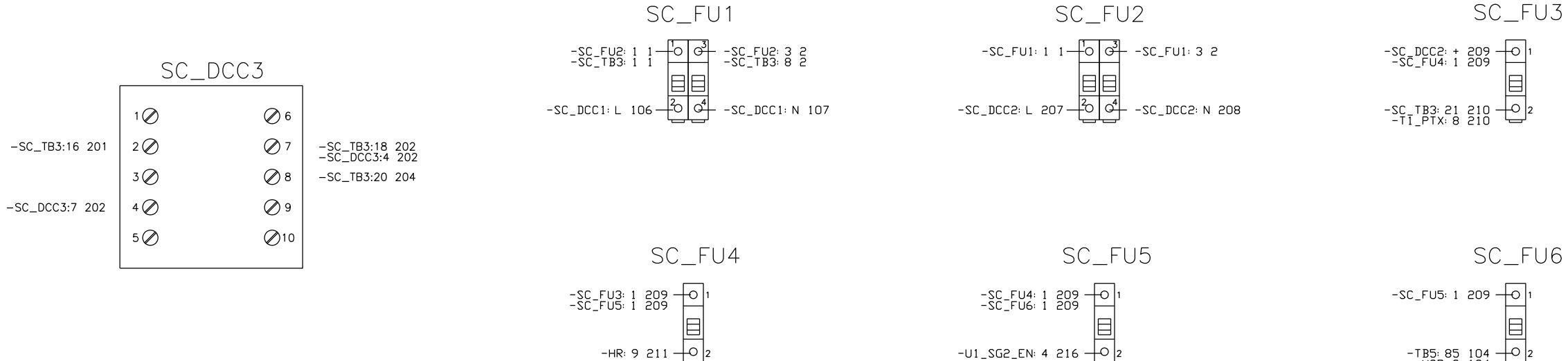
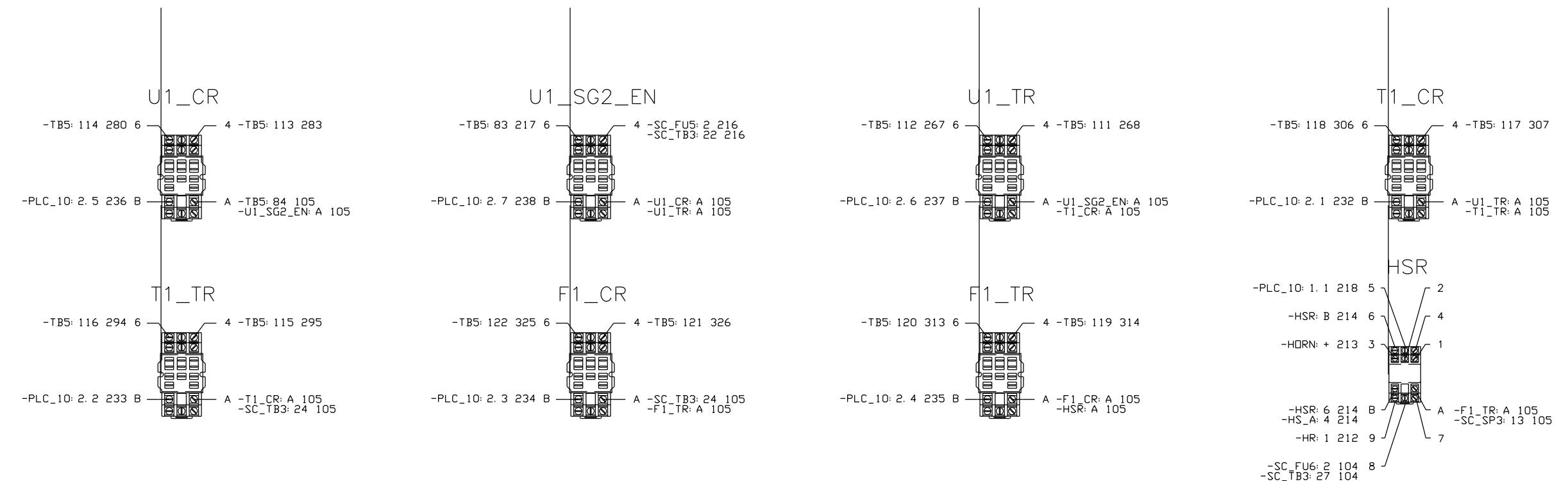
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WIRE DIAGRAM SECTION 1 - CTRL

SCALE DWG. NO. SHEET NO. OF 92
11-7-08 E 72 OF 92

SGP-1297 D

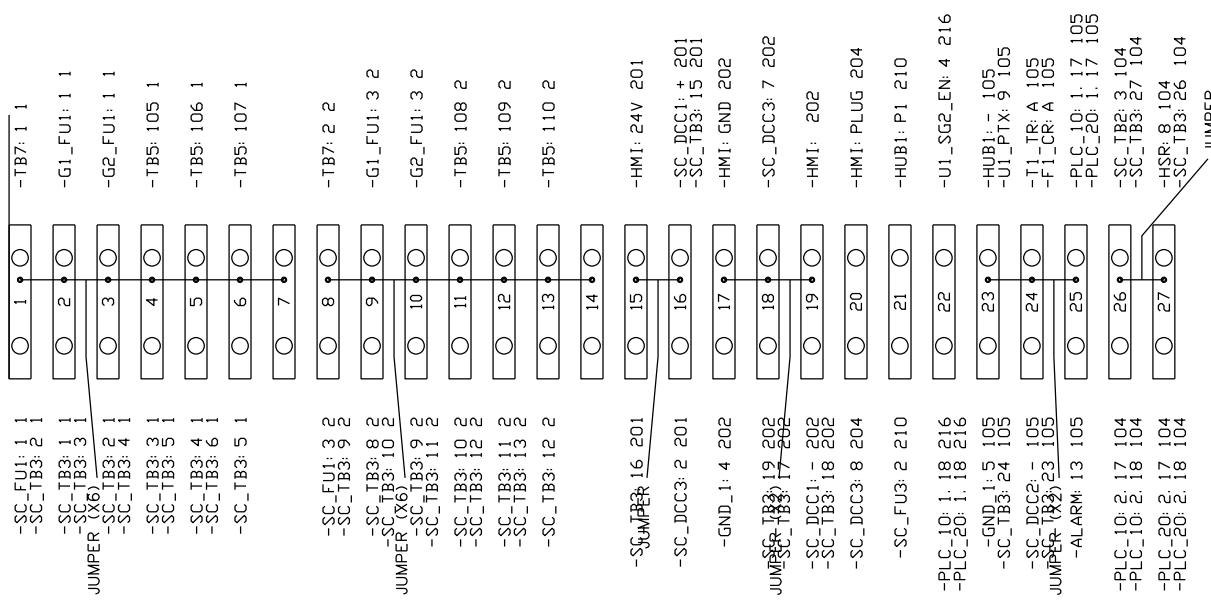
BACK PANEL



CAE GENERATED DRAWING			PROJECT NO.:	SGP-1297		KOHLER CO.
REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT		
-	11-7-08	NEW DRAWING - FOR SUBMITAL [86663]	DMR ES NO.:	ES-90464	ITEM CTRL	PROJECT SYSTEMS KOHLER, INC. WISCONSIN 44, U.S.A. THIS DRAWING IS FOR INFORMATION ONLY AND IS NOT TO BE USED FOR CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE USER TO ENSURE THAT THIS DRAWING IS USED IN CONJUNCTION WITH THE APPROPRIATE CODES AND STANDARDS. ALL RIGHTS RESERVED. COPIES OF THIS DRAWING MAY NOT BE MADE WITHOUT THE WRITTEN CONSENT OF KOHLER, INC.
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH		APPROV'D DATE	
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP		APPROV'D DATE	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DMR	11-7-08	
				CHECKED	APF	11-7-08
				APPROVED	MEP	11-7-08
SECTION/FUNCTION 1			SCALE	CD NO.	HEET	E73 OF 92
			PUBLISHED	DWG. NO.	SGP-1297 D	

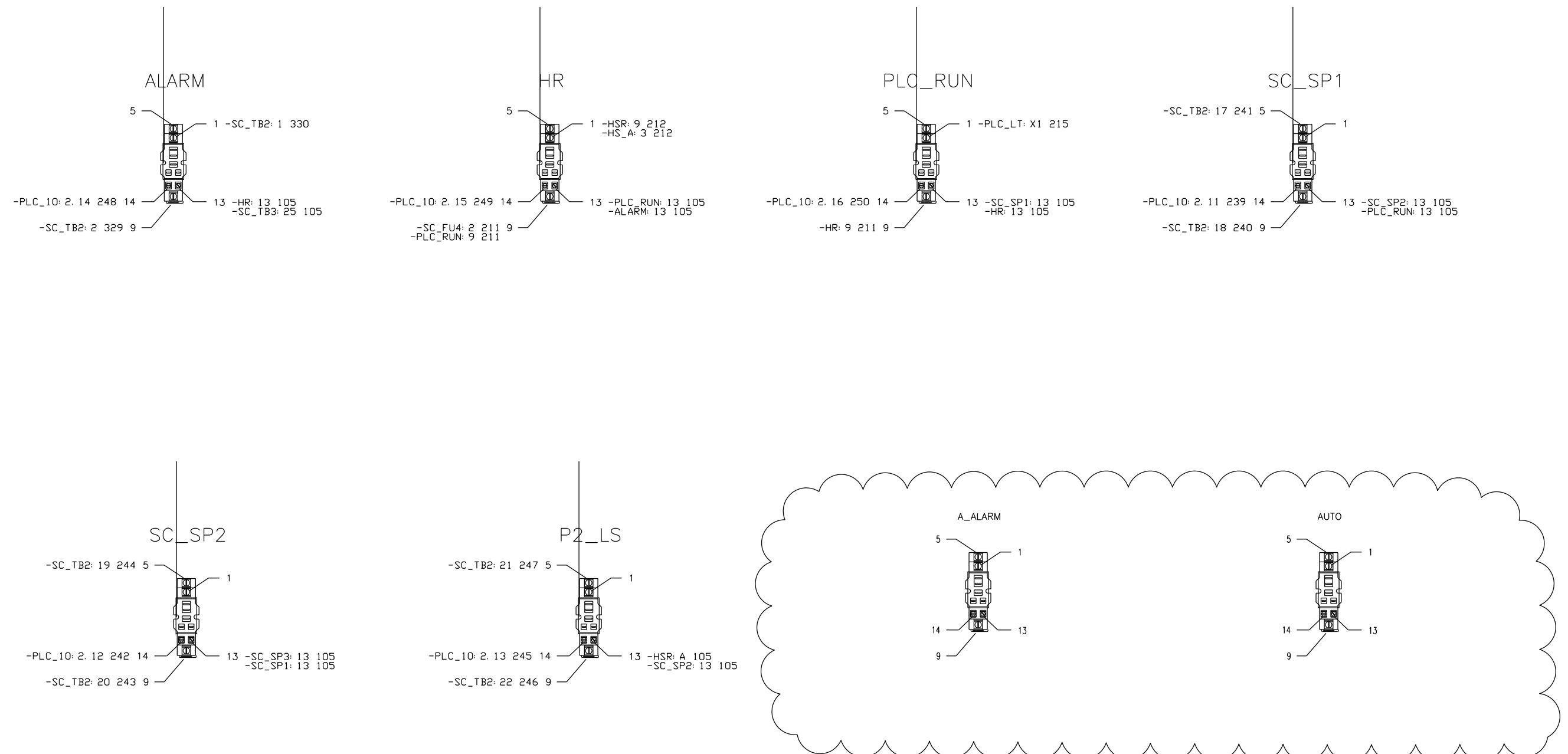
BACK PANEL

SC_TB3



CAE GENERATED DRAWING				PROJECT NO.: SGP-1297		KOHLER CO.	
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT		P.O. BOX 375, STURGIS, SD 57785-0375 U.S.A. THIS DRAWING IS THE PROPERTY OF KOHLER CO. CORPORATION AND MAY NOT BE COPIED EXCEPT BY AUTHORITY OF KOHLER CO. IN WRITING. ALL RIGHTS RESERVED. DESIGN INFORMATION CONTAINED HEREIN IS PROPRIETARY TO KOHLER CO. IN	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO:	ITEM		
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90464	CTRL		
B	7-16-09	REVISED PER AS-BUILT [88108]	SUP	APPROVED	DATE		
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08	SCALE	CAD NO.
				CHECKED APF	11-7-08	PUBLISHED	SHEET E 74 OF 92
SECTION/FUNCTION				APPROVED	MEP	DWG. NO.	SGP-1297 D
1							

BACK PANEL

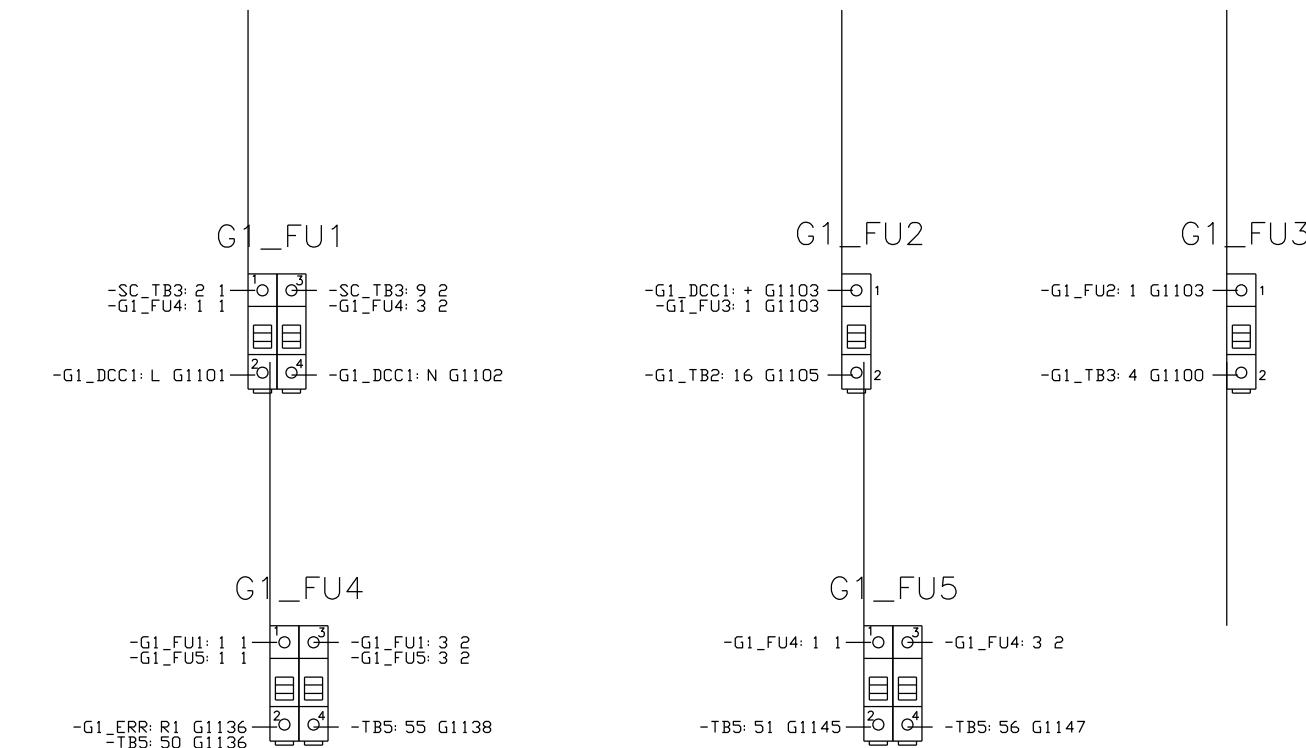
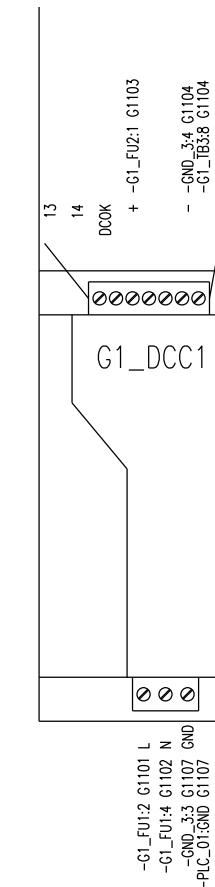
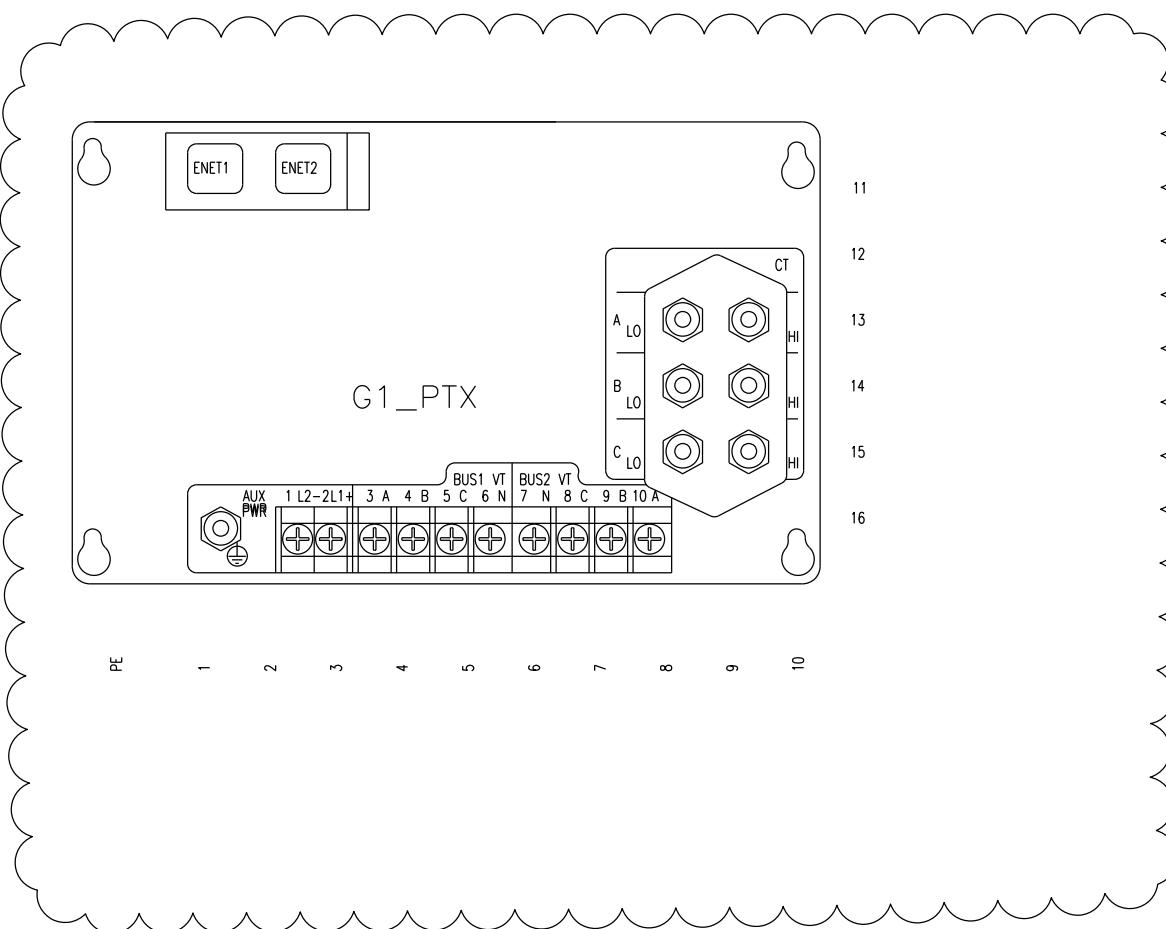


CAE GENERATED DRAWING			PROJECT NO.: SGP-1297		
REV	DATE	REVISION	PROJECT NAME: ARMED FORCES RETIREMENT		
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR'S NO.:	ES-90464	ITEM CTRL
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	APPROV'D BY	DATE
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D BY	DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08
				CHECKED APF	11-7-08
				APPROVED MEP	11-7-08
SECTION/FUNCTION 1			SCALE	CD NO.	HEET 75 OF 92
			PUBLISHED	DWG. NO.	SGP-1297 D

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WIRE DIAGRAM SECTION 1 - CTRL

BACK PANEL



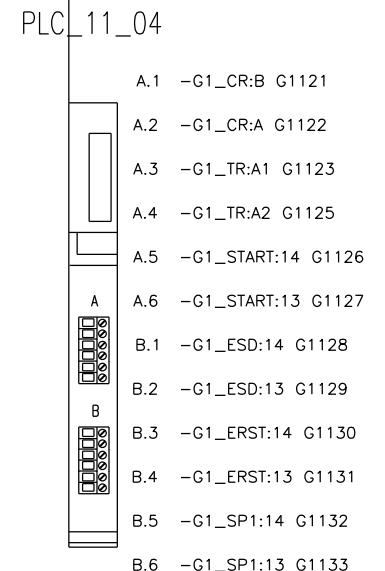
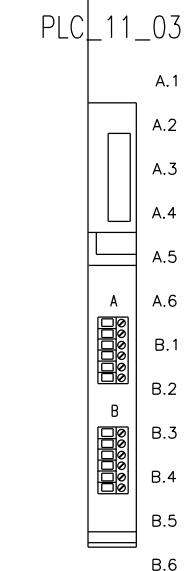
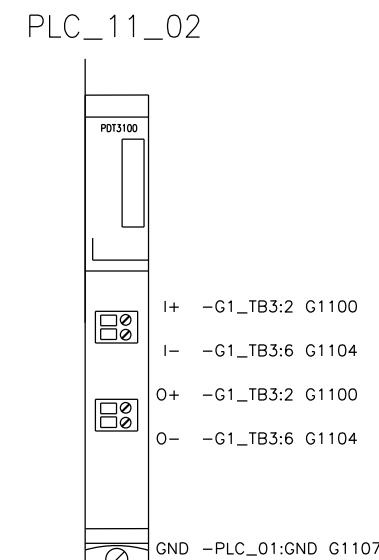
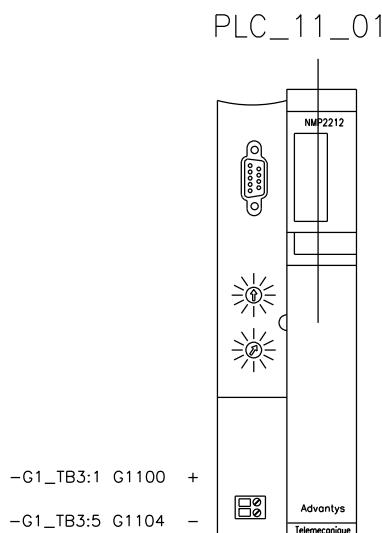
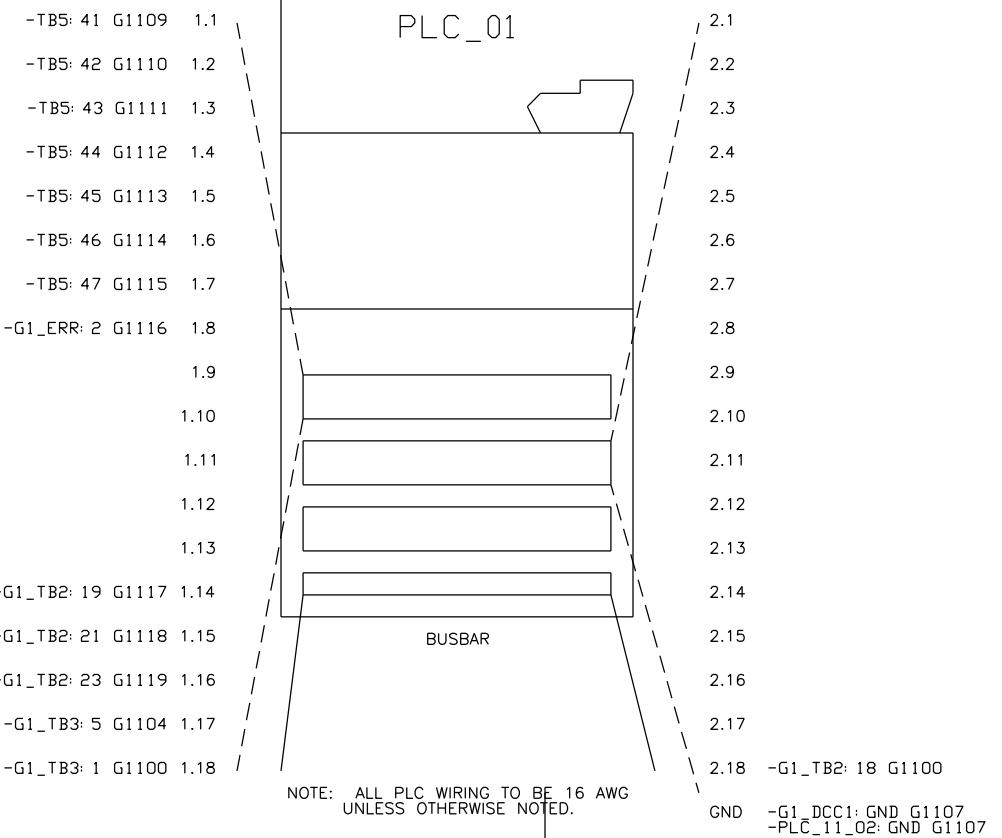
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REV	DATE	REVISION	PROJECT NAME: ARMED FORCES RETIREMENT	ITEM	BY
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR ES NO.: ES-90464	CTRL	JXH
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	APPROV'D BY SJP	DATE	
B	7-16-09	REVISED PER AS-BUILT [88108]	CLM	DMR	11-7-08
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	DRAWN CHECKED APPROVED	DMR APF MEP	11-7-08 11-7-08 11-7-08
SECTION/FUNCTION 1			SCALE	CAD NO.	SHEET E 76 OF 92
			PUBLISHED	DWG. NO.	SGP-1297 D

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WIRE DIAGRAM
SECTION 1 - CTRL

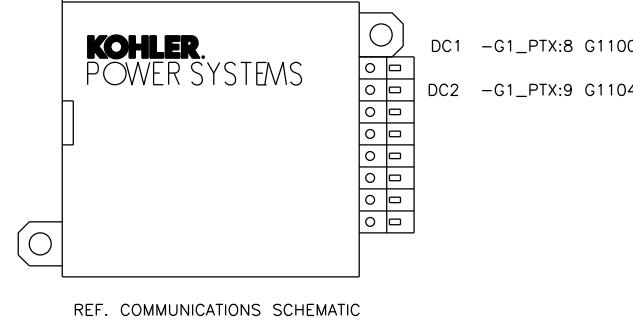
BACK PANEL



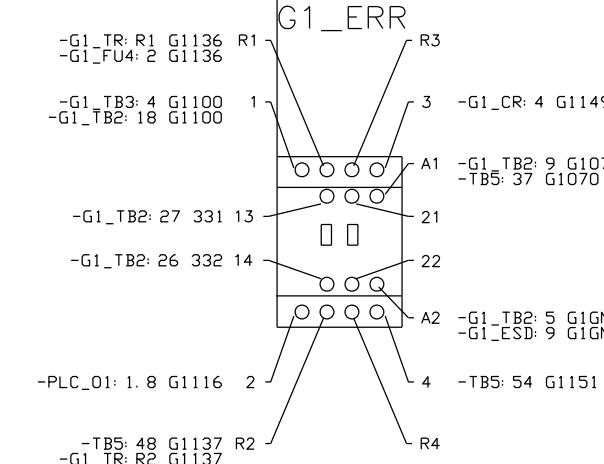
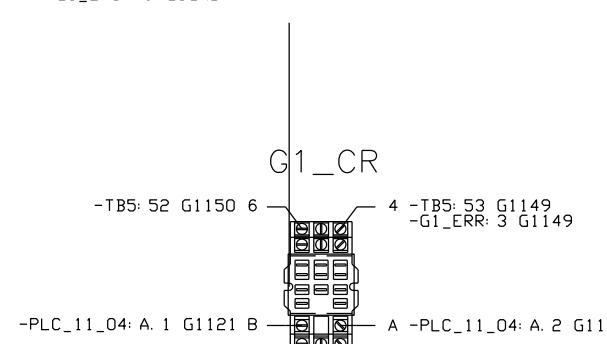
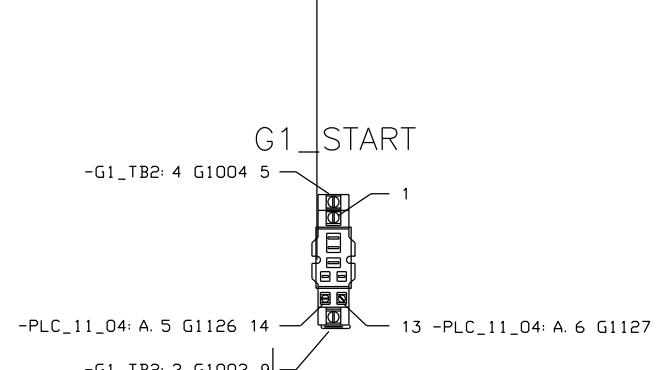
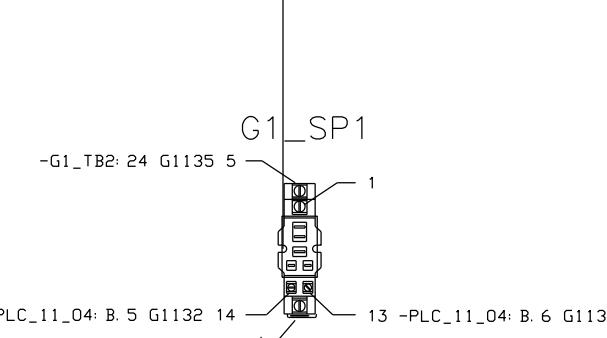
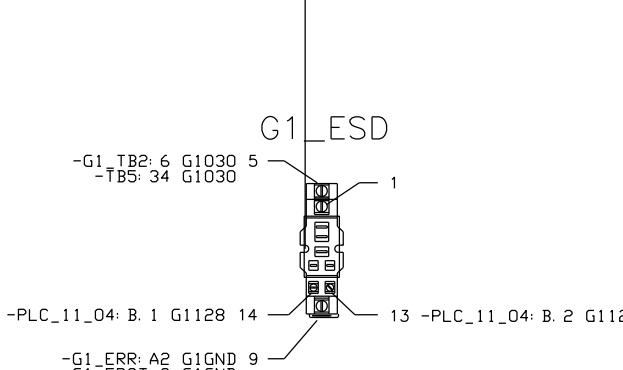
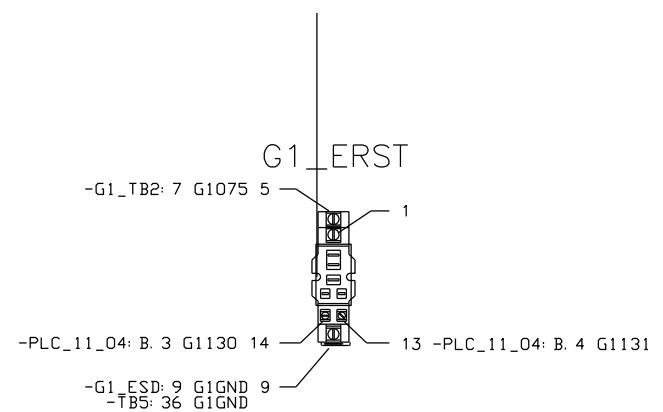
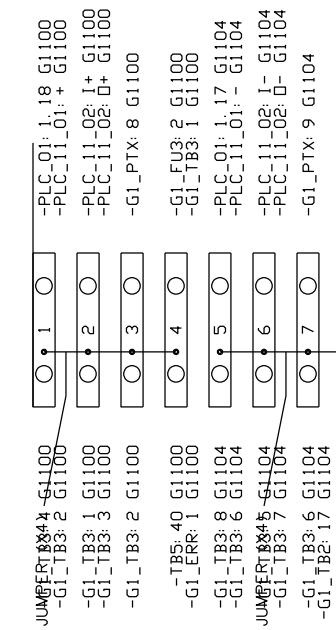
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REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR ES NO.:	ES-90464	CTRL	TITLE: WIRE DIAGRAM SECTION 1 - CTRL
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	APPROV'D BY	DATE	
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D BY	DATE	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08	
				CHECKED APF	11-7-08	SCALE: CAD NO.: SHEET E 77 OF 92
				APPROVED MEP	11-7-08	PUBLISHED DWG. NO.: SGP-1297 D
SECTION/FUNCTION 1						

BACK PANEL

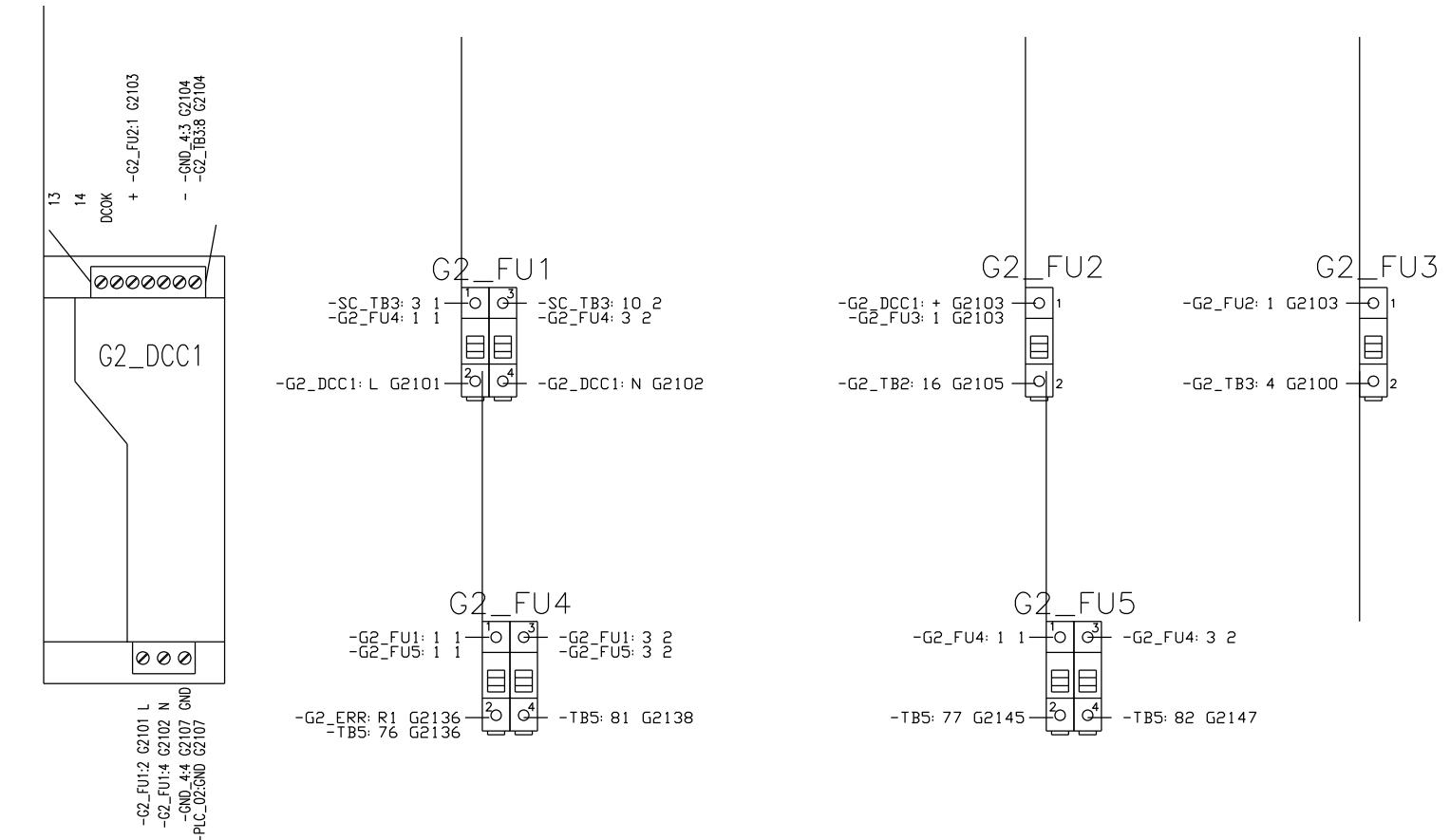
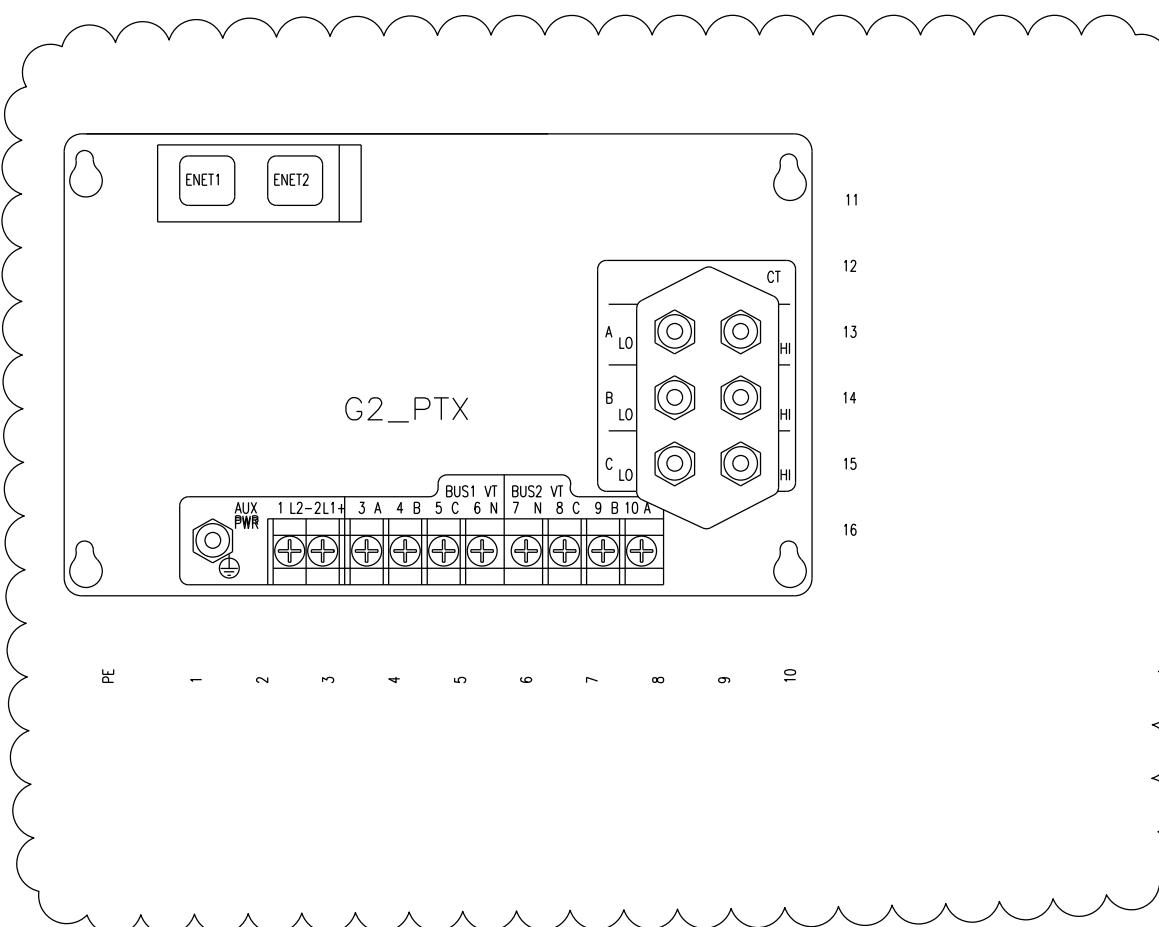
G1_CONV



G1_TB3



BACK PANEL



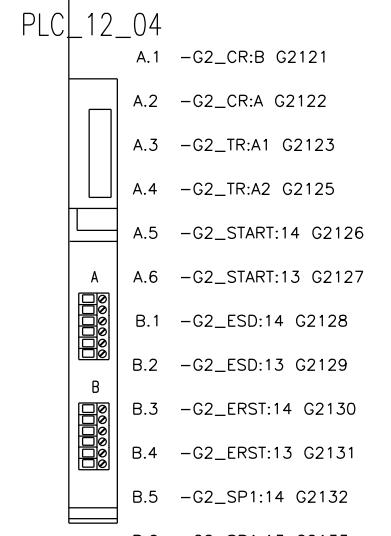
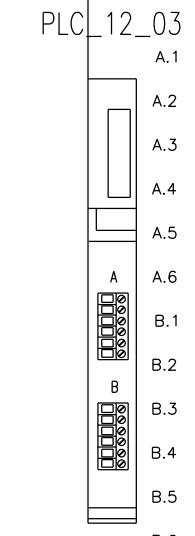
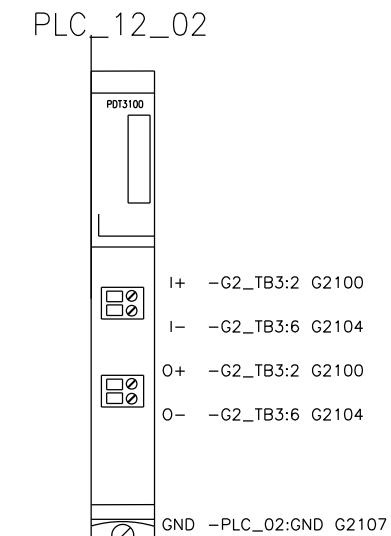
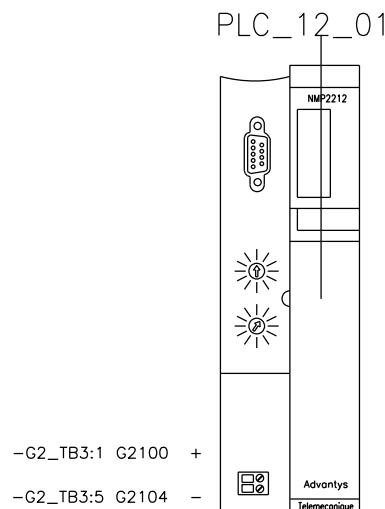
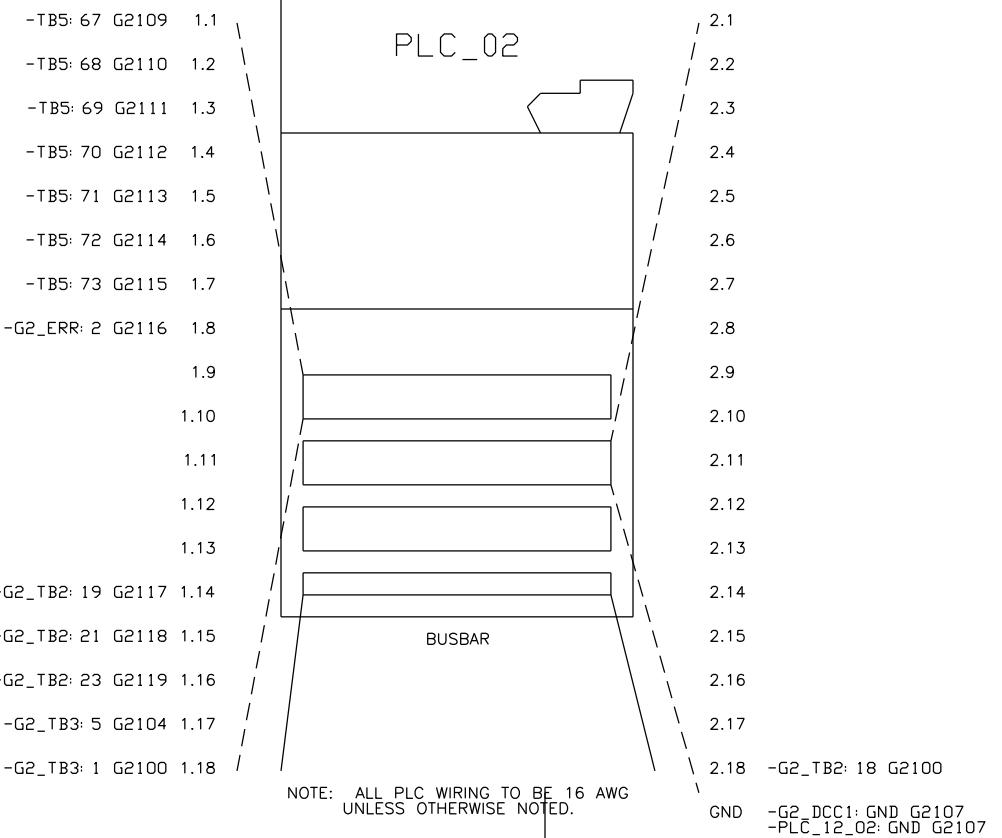
CAE GENERATED DRAWING			PROJECT NO.: SGP-1297		
REV	DATE	REVISION	PROJECT NAME: ARMED FORCES RETIREMENT	ITEM	BY
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR NO.: ES-90464	CTRL	JXH
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	APPROV'D BY APF	DATE	SJP
B	7-16-09	REVISED PER AS-BUILT [88108]	DRAWN CLM	DMR	11-7-08
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CHECKED APF	11-7-08	APPROVED MEP
SECTION/FUNCTION 1			11-7-08	11-7-08	11-7-08

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WIRE DIAGRAM
SECTION 1 - CTRL

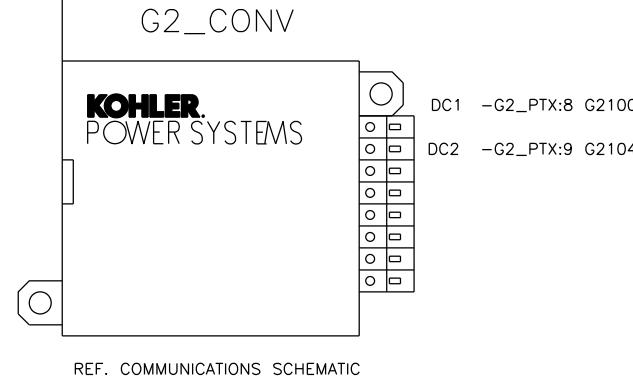
SCALE : CAD NO. : SHEET E 79 OF 92
PUBLISHED DWG. NO. : SGP-1297 D

BACK PANEL

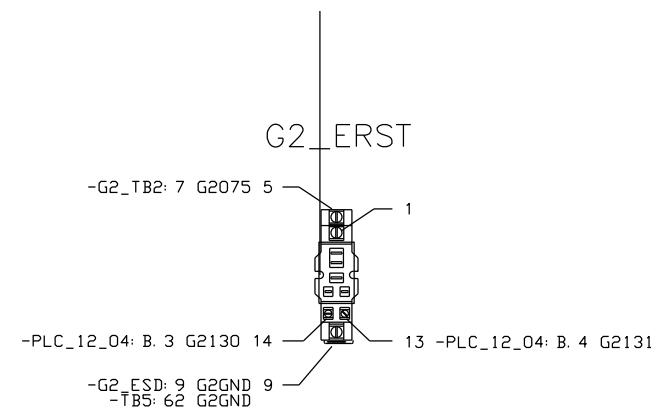
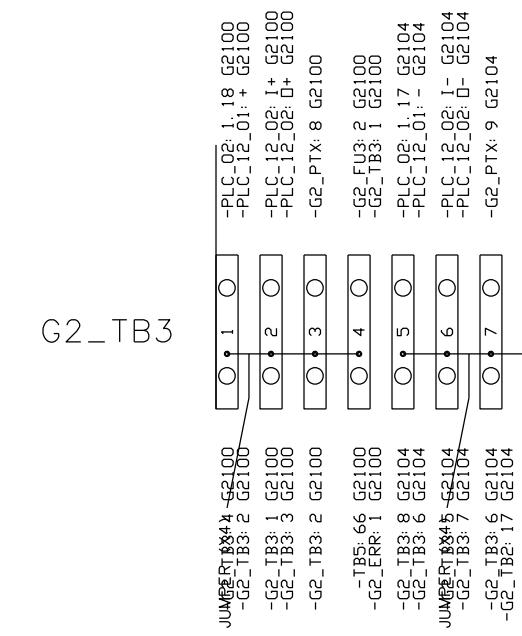
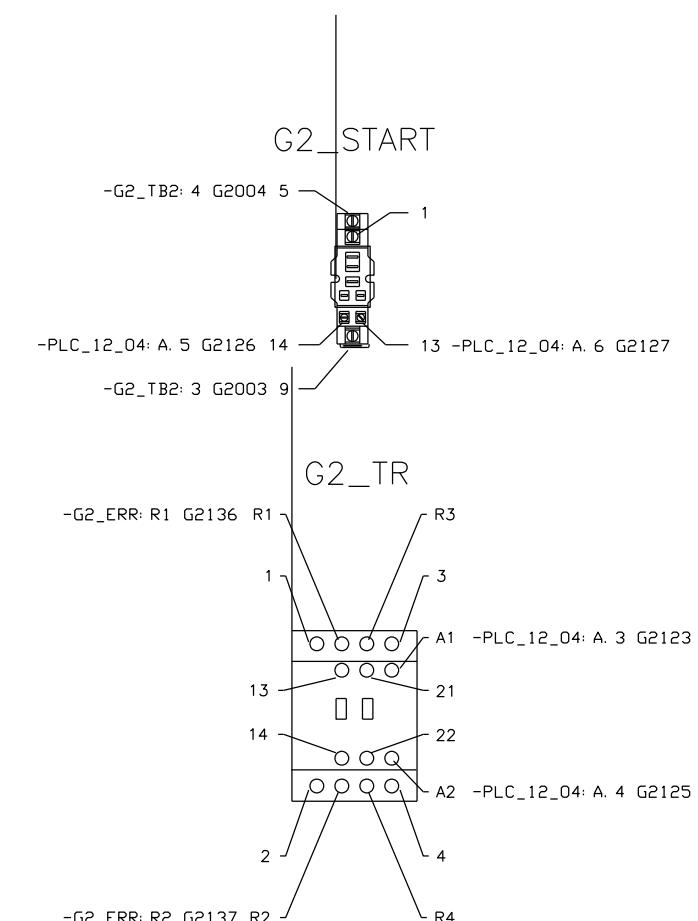
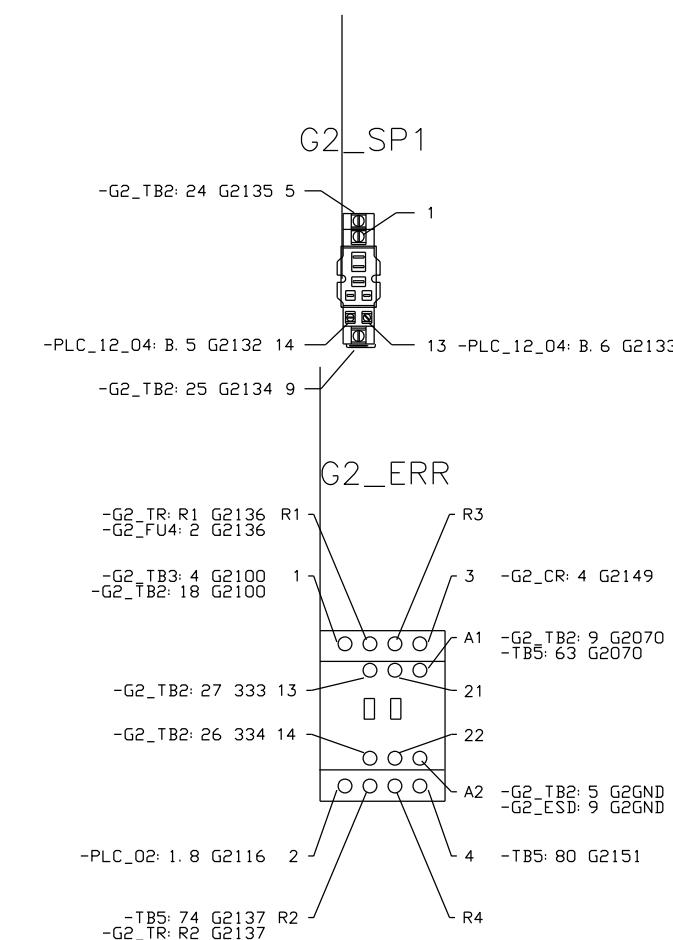
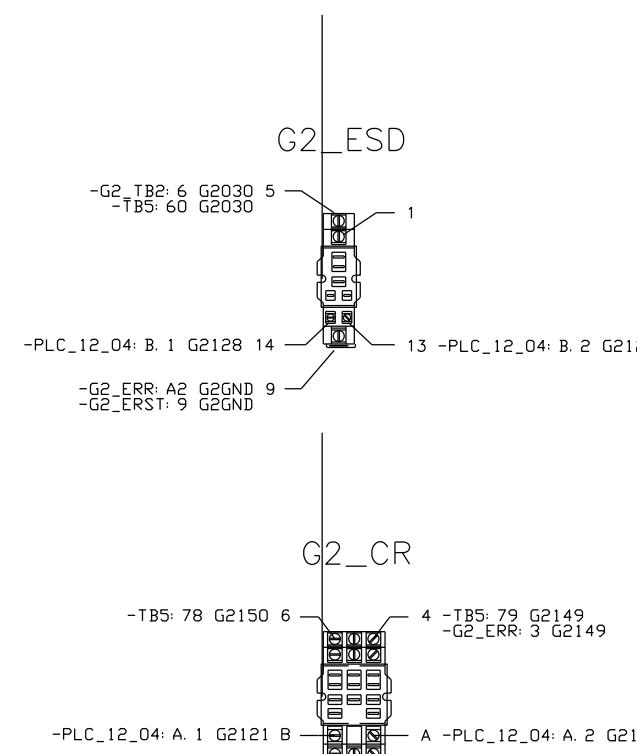


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REV	DATE	REVISION	PROJECT NAME:	ARMED FORCES RETIREMENT	ITEM	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR ES NO.:	ES-90464	CTRL	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH			
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D BY	DATE	
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08	
				CHECKED APF	11-7-08	
				APPROVED MEP	11-7-08	
SECTION/FUNCTION 1			SCALE	CD NO.	SHEET	E80 OF 92
			PUBLISHED	DWG. NO.	SGP-1297	D

BACK PANEL

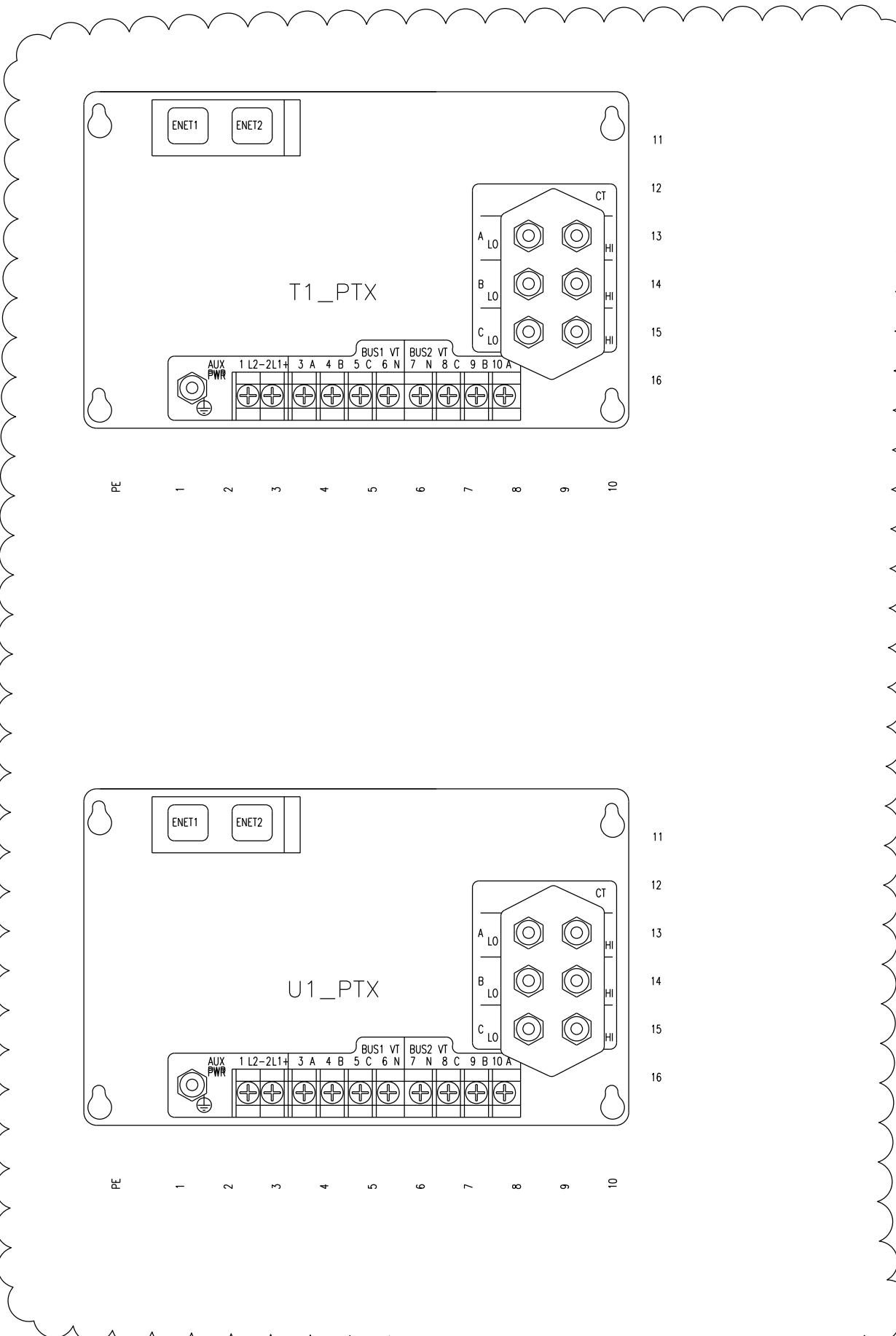


REF. COMMUNICATIONS SCHEMATIC



CAE GENERATED DRAWING				PROJECT NO.: SGP-1297		KOHLER CO.	
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT		POWER SYSTEMS KOMPLEXER WS 360044 S U.S.A. THIS DRAWING WHICH INCLUDES THE DESIGN AND MANUFACTURE OF THE KOHLER CORP. POWER AND MATERIALS FOR THE DESIGN AND MANUFACTURE OF THE KOHLER CORP. POWER WORK. ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED.	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO.:	ITEM		
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90464	CTRL	WIRE	WIRE DIAGRAM SECTION 1 - CTRL
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D BY MASS	DATIE	SCALE	CAD NO.
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN APF	11-7-08 11-7-08	PLOTTED TO	SHEET E81 OF 92
SECTION/FUNCTION 1				APPROVED MEP	11-7-08	DWC. NO.	SGP-1297 D

BACK PANEL



BREAKER BUS AREAu

GND_BUS1

(AS SHOWN FROM REAR)

- GND_2: 1 132 GND — [] o o o o o o o o o o o o o o o o
-GND_3: 1 170
-GND_4: 1 187
-GND_1: 1 206

CAE GENERATED DRAWING				PROJECT NO.: SGP-1297		KOHLER CO. P.O. BOX 1200, ST. CLOUD, MINN. 56301-1200 U.S.A. THESE DRAWINGS ARE THE PROPERTY OF KOHLER CO., INC. REPRODUCTION, BORROWING AND MODIFICATIONS WITHOUT THE WRITTEN CONSENT OF KOHLER CO., INC. ARE PROHIBITED. ALL RIGHTS RESERVED ON THIS DRAWING ARE RESERVED.	
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT			
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO.:	ITEM		
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90464	CTRL		
B	7-16-09	REVISED PER AS-BUILT [88108]	SUP	APPROV'D BY AS-BUILT	DATE		
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN APF	11-7-08		
				CHECKED APF	11-7-08		
				APPROVED MEP	11-7-08		
				SCALE	CAD NO.	SHEET E82 OF 92	
				PILOTTED	DWG. NO.	SGP-1297 D	
SECTION/FUNCTION 1							

CABLE WIRING DIAGRAM



CAE GENERATED DRAWING			PROJECT NO.: SGP-1297		
REV	DATE	REVISION	BY	PROJECT NAME:	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR ES NO.:	ARMED FORCES RETIREMENT	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90464	ITEM CTRL
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D AS	DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08
				CHECKED APF	11-7-08
				APPROVED MEP	11-7-08
SECTION/FUNCTION 1			TITLE: WIRE DIAGRAM SEC. 1 - CTRL (HMI/CABLES)		
			SCALE	CD NO.	Sheet E83 OF 92
			PUBLISHED	DWG. NO.	SGP-1297 D

SECTION #1 - SWGRu

CUBICLE	TERMINAL	WIRE*	TB1	
+3-TB1:1	140		1	○
+3-TB1:2	141		2	○
+3-TB1:18	104		3	○
+2-TB1:13	104		4	○
+2-TB1:14	266		5	○
+2-TB1:15	267		6	○
+2-TB1:16	282		7	○
+2-TB1:17	338		8	○
+2-TB1:18	1		9	○
+2-TB1:19	2		10	○
+2-TB1:2	100		11	○
+2-TB1:5	101		12	○
+2-TB1:8	102		13	○
+2-TB1:11	103		14	○

SECTION #2 - SWGRu

CUBICLE	TERMINAL	WIRE*	TB1	
+3-TB1:12	111		1	○
+1-TB1:11	100		2	○
+3-TB1:4	110		3	○
+3-TB1:13	113		4	○
+1-TB1:12	101		5	○
+3-TB1:5	112		6	○
+3-TB1:14	115		7	○
+1-TB1:13	102		8	○
+3-TB1:6	114		9	○
+3-TB1:11	109		10	○
+1-TB1:14	103		11	○
+3-TB1:3	108		12	○
+1-TB1:4	104		13	○
+1-TB1:5	266		14	○
+1-TB1:6	267		15	○
+1-TB1:7	282		16	○
+1-TB1:8	338		17	○
+1-TB1:9	4		18	○
+1-TB1:10	2		19	○
+4-TB1:24	293		20	○
+4-TB1:25	294		21	○
+3-TB1:21	309		22	○
+4-TB1:26	311		23	○
+3-TB1:23	312		24	○
+3-TB1:24	313		25	○
+3-TB1:25	327		26	○
+3-TB1:26	328		27	○

SECTION #3 - SWGRu

CUBICLE	TERMINAL	WIRE*	TB1	
+1-TB1:1	140		1	○
+1-TB1:2	141		2	○
+2-TB1:12	108		3	○
+2-TB1:3	110		4	○
+2-TB1:6	112		5	○
+2-TB1:9	114		6	○
+4-TB1:1	116		7	○
+4-TB1:4	117		8	○
+4-TB1:7	118		9	○
+4-TB1:10	119		10	○
+2-TB1:10	109		11	○
+2-TB1:1	111		12	○
+2-TB1:4	113		13	○
+2-TB1:7	115		14	○
+4-TB1:13	155		15	○
+4-TB1:15	156		16	○
+4-TB1:28	157		17	○
+1-TB1:3	104		18	○
+2-TB1:20	293		19	○
+2-TB1:21	294		20	○
+2-TB1:22	309		21	○
+4-TB1:27	310		22	○
+2-TB1:24	312		23	○
+2-TB1:25	313		24	○
+2-TB1:26	327		25	○
+2-TB1:27	328		26	○

SECTION #4 - SWGRu

CUBICLE	TERMINAL	WIRE*	TB1	
+3-TB1:7	116		1	○
+5-TB1:4	121		2	○
+6-TB1:4	125		3	○
+3-TB1:8	117		4	○
+5-TB1:5	122		5	○
+6-TB1:5	126		6	○
+3-TB1:9	118		7	○
+5-TB1:6	123		8	○
+6-TB1:6	127		9	○
+3-TB1:10	119		10	○
+5-TB1:3	120		11	○
+6-TB1:3	124		12	○
+3-TB1:15	155		13	○
+5-TB1:11	155		14	○
+3-TB1:16	156		15	○
+6-TB1:2	156		16	○
+5-TB1:7	G1137		17	○
+5-TB1:8	G1152		18	○
+6-TB1:7	G2137		19	○
+6-TB1:8	G2152		20	○
+2-TB1:13	104		21	○
+2-TB1:18	1		22	○
+2-TB1:19	2		23	○
+2-TB1:20	293		24	○
+2-TB1:21	294		25	○
+2-TB1:23	311		26	○
+3-TB1:22	310		27	○
+3-TB1:17	157		28	○

CAE GENERATED DRAWING			PROJECT NO.:	SGP-1297	
REV	DATE	REVISION	BY	ARMED FORCES RETIREMENT	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90465	ITEM SWGR
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	SJP	APPROV'D AS-BUILT DATE
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP		
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08
			CHECKED	APF	11-7-08
			APPROVED	MEP	11-7-08
SECTION/FUNCTION 0			SCALE	CAD NO.	HEET E84 OF 92
			PUBLISHED	DWG. NO.	SGP-1297 D

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WIRE DIAGRAM
CUBICLE INTERCONNECT

SECTION #5 - SWGRu

CUBICLE	TERMINAL	WIRE*
+4-TB1:14	155	○ 1 ○
+4-TB1:16	156	○ 2 ○
+4-TB1:11	120	○ 3 ○
+4-TB1:2	121	○ 4 ○
+4-TB1:5	122	○ 5 ○
+4-TB1:8	123	○ 6 ○
+4-TB1:17	G1137	○ 7 ○
+4-TB1:18	G1152	○ 8 ○

SECTION #6 - SWGRu

CUBICLE	TERMINAL	WIRE*
+4-TB1:14	155	○ 1 ○
+4-TB1:16	156	○ 2 ○
+4-TB1:12	124	○ 3 ○
+4-TB1:3	125	○ 4 ○
+4-TB1:6	126	○ 5 ○
+4-TB1:9	127	○ 6 ○
+4-TB1:19	G2137	○ 7 ○
+4-TB1:20	G2152	○ 8 ○

CAE GENERATED DRAWING			PROJECT NO.: SGP-1297		
REV	DATE	REVISION	BY	PROJECT NAME:	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ARMED FORCES RETIREMENT	
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES NO.:	SWGR
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D BY	DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	11-7-08
				DMR	
				CHECKED	APF
				APPROVED	11-7-08
				MEP	11-7-08

SECTION/FUNCTION 0

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TITLE: WIRE DIAGRAM
CUBICLE INTERCONNECT
SCALE: CAD NO. SHEET E85 OF 92
PUBLISHED: Dwg. No. SGP-1297 D

SECTION #1 - SWGRu

LINE-UP	TERMINAL	WIRE*	TB5
CTRL +1-TB5:1	128	○ 1 ○	
CTRL +1-TB5:2	130	○ 2 ○	
CTRL +1-TB5:3	131	○ 3 ○	
CTRL +1-TB5:4	134	○ 4 ○	
CTRL +1-TB5:5	137	○ 5 ○	
CTRL +1-TB5:6	139	○ 6 ○	
CTRL +1-TB5:7	135	○ 7 ○	
CTRL +1-TB5:8	140	○ 8 ○	
CTRL +1-TB5:9	141	○ 9 ○	
CTRL +1-TB5:83	217	○ 10 ○	
CTRL +1-TB5:84	105	○ 11 ○	
CTRL +1-TB5:97	257	○ 12 ○	
CTRL +1-TB5:98	258	○ 13 ○	
CTRL +1-TB5:99	259	○ 14 ○	
CTRL +1-TB5:100	260	○ 15 ○	
CTRL +1-TB5:101	261	○ 16 ○	
CTRL +1-TB5:102	262	○ 17 ○	
CTRL +1-TB5:105	1	○ 18 ○	
CTRL +1-TB5:108	2	○ 19 ○	
CTRL +1-TB5:111	268	○ 20 ○	
CTRL +1-TB5:112	267	○ 21 ○	
CTRL +1-TB5:113	283	○ 22 ○	
CTRL +1-TB5:114	280	○ 23 ○	
CTRL +1-TB5:125	337	○ 24 ○	

SECTION #2 - SWGRu

LINE-UP	TERMINAL	WIRE*	TB5
CTRL +1-TB5:103	263	○ 1 ○	
CTRL +1-TB5:123	339	○ 2 ○	

SECTION #3 - SWGRu

LINE-UP	TERMINAL	WIRE*	TB5
CTRL +1-TB5:10	147	○ 1 ○	
CTRL +1-TB5:11	149	○ 2 ○	
CTRL +1-TB5:12	151	○ 3 ○	
CTRL +1-TB5:13	153	○ 4 ○	
CTRL +1-TB5:85	104	○ 5 ○	
CTRL +1-TB5:86	219	○ 6 ○	
CTRL +1-TB5:87	220	○ 7 ○	
CTRL +1-TB5:88	221	○ 8 ○	
CTRL +1-TB5:89	222	○ 9 ○	
CTRL +1-TB5:90	223	○ 10 ○	
CTRL +1-TB5:91	251	○ 11 ○	
CTRL +1-TB5:92	252	○ 12 ○	
CTRL +1-TB5:93	253	○ 13 ○	
CTRL +1-TB5:94	254	○ 14 ○	
CTRL +1-TB5:95	255	○ 15 ○	
CTRL +1-TB5:96	256	○ 16 ○	
CTRL +1-TB5:106	1	○ 17 ○	
CTRL +1-TB5:109	2	○ 18 ○	
CTRL +1-TB5:107	1	○ 19 ○	
CTRL +1-TB5:110	2	○ 20 ○	
CTRL +1-TB5:115	295	○ 21 ○	
CTRL +1-TB5:116	294	○ 22 ○	
CTRL +1-TB5:117	307	○ 23 ○	
CTRL +1-TB5:118	306	○ 24 ○	
CTRL +1-TB5:119	314	○ 25 ○	
CTRL +1-TB5:120	313	○ 26 ○	
CTRL +1-TB5:121	326	○ 27 ○	
CTRL +1-TB5:122	325	○ 28 ○	

SECTION #4 - SWGRu

LINE-UP	TERMINAL	WIRE*	TB5
CTRL +1-TB5:14	155	○ 1 ○	
CTRL +1-TB5:15	156	○ 2 ○	
CTRL +1-TB5:16	157	○ 3 ○	
CTRL +1-TB5:49	G1136	○ 4 ○	
CTRL +1-TB5:54	G1151	○ 5 ○	
CTRL +1-TB5:75	G2136	○ 6 ○	
CTRL +1-TB5:80	G2151	○ 7 ○	
CTRL +1-TB5:104	264	○ 8 ○	
CTRL +1-TB5:124	340	○ 9 ○	

CAE GENERATED DRAWING			PROJECT NO.: SGP-1297
REV	DATE	REVISION	BY
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	ARMED FORCES RETIREMENT
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	DMR NO.: ES-90465 ITEM SWGR
B	7-16-09	REVISED PER AS-BUILT [88108]	JXH APPROV'D BY DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	SJP CLM DMR 11-7-08
SECTION/FUNCTION 0			APPROVED APF 11-7-08
			CHECKED MEP 11-7-08
			APPROVED MEP 11-7-08

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WIRE IDAGRAM
LINE-UP INTERCONNECT

SCALE CAD NO. SHEET E86 OF 92
PUBLISHED DWG. NO. SGP-1297 D

SECTION #5 - SWGRu

LINE-UP	TERMINAL	WIRE*	TB5
CTRL +1-TB5:17	159	1	○
CTRL +1-TB5:18	161	2	○
CTRL +1-TB5:19	163	3	○
CTRL +1-TB5:20	165	4	○
CTRL +1-TB5:21	167	5	○
CTRL +1-TB5:22	168	6	○
CTRL +1-TB5:23	169	7	○
CTRL +1-TB5:31	G1100	8	○
CTRL +1-TB5:32	G1104	9	○
CTRL +1-TB5:33	G1GND	10	○
CTRL +1-TB5:34	G1030	11	○
CTRL +1-TB5:35	G1124	12	○
CTRL +1-TB5:36	G1GND	13	○
CTRL +1-TB5:37	G1070	14	○
CTRL +1-TB5:38	G1108	15	○
CTRL +1-TB5:39	G1078	16	○
CTRL +1-TB5:40	G1100	17	○
CTRL +1-TB5:41	G1109	18	○
CTRL +1-TB5:42	G1110	19	○
CTRL +1-TB5:43	G1111	20	○
CTRL +1-TB5:44	G1112	21	○
CTRL +1-TB5:45	G1113	22	○
CTRL +1-TB5:46	G1114	23	○
CTRL +1-TB5:47	G1115	24	○
CTRL +1-TB5:48	G1137	25	○
CTRL +1-TB5:50	G1136	26	○
CTRL +1-TB5:51	G1145	27	○
CTRL +1-TB5:52	G1150	28	○
CTRL +1-TB5:53	G1149	29	○
CTRL +1-TB5:55	G1138	30	○
CTRL +1-TB5:56	G1147	31	○

SECTION #6 - SWGRu

LINE-UP	TERMINAL	WIRE*	TB5
CTRL +1-TB5:24	176	1	○
CTRL +1-TB5:25	178	2	○
CTRL +1-TB5:26	180	3	○
CTRL +1-TB5:27	182	4	○
CTRL +1-TB5:28	184	5	○
CTRL +1-TB5:29	185	6	○
CTRL +1-TB5:30	186	7	○
CTRL +1-TB5:57	G2100	8	○
CTRL +1-TB5:58	G2104	9	○
CTRL +1-TB5:59	G2GND	10	○
CTRL +1-TB5:60	G2030	11	○
CTRL +1-TB5:61	G2124	12	○
CTRL +1-TB5:62	G2GND	13	○
CTRL +1-TB5:63	G2070	14	○
CTRL +1-TB5:64	G2108	15	○
CTRL +1-TB5:65	G2078	16	○
CTRL +1-TB5:66	G2100	17	○
CTRL +1-TB5:67	G2109	18	○
CTRL +1-TB5:68	C2110	19	○
CTRL +1-TB5:69	G2111	20	○
CTRL +1-TB5:70	G2112	21	○
CTRL +1-TB5:71	G2113	22	○
CTRL +1-TB5:72	G2114	23	○
CTRL +1-TB5:73	G2115	24	○
CTRL +1-TB5:74	G2137	25	○
CTRL +1-TB5:76	G2136	26	○
CTRL +1-TB5:77	G2145	27	○
CTRL +1-TB5:78	G2150	28	○
CTRL +1-TB5:79	G2149	29	○
CTRL +1-TB5:81	G2138	30	○
CTRL +1-TB5:82	G2147	31	○

CAE GENERATED DRAWING			PROJECT NO.: SGP-1297	
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR ES NO.: JXH	ITEM SWGR
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	ES-90465	APPROV'D BY APF
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN SMR 11-7-08
			CHECKED APF	11-7-08
			APPROVED MEP	11-7-08

SECTION/FUNCTION 0

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WIRE DIAGRAM
LINE-UP INTERCONNECT

SCALE CAD NO. SHEET OF 92
PUBLISHED DWG. NO. SGP-1297 D

SECTION #1 - CTRLu

LINE-UP	TERMINAL	WIRE*	TB5
SWGR +1-TB5:1	128	○	1 C
SWGR +1-TB5:2	130	○	2 C
SWGR +1-TB5:3	131	○	3 C
SWGR +1-TB5:4	134	○	4 C
SWGR +1-TB5:5	137	○	5 C
SWGR +1-TB5:6	139	○	6 C
SWGR +1-TB5:7	135	○	7 C
SWGR +1-TB5:8	140	○	8 C
SWGR +1-TB5:9	141	○	9 C
SWGR +3-TB5:1	147	○	10 C
SWGR +3-TB5:2	149	○	11 C
SWGR +3-TB5:3	151	○	12 C
SWGR +3-TB5:4	153	○	13 C
SWGR +4-TB5:1	155	○	14 C
SWGR +4-TB5:2	156	○	15 C
SWGR +4-TB5:3	157	○	16 C
SWGR +5-TB5:1	159	○	17 C
SWGR +5-TB5:2	161	○	18 C
SWGR +5-TB5:3	163	○	19 C
SWGR +5-TB5:4	165	○	20 C
SWGR +5-TB5:5	167	○	21 C
SWGR +5-TB5:6	168	○	22 C
SWGR +5-TB5:7	169	○	23 C
SWGR +6-TB5:1	176	○	24 C
SWGR +6-TB5:2	178	○	25 C
SWGR +6-TB5:3	180	○	26 C
SWGR +6-TB5:4	182	○	27 C
SWGR +6-TB5:5	184	○	28 C
SWGR +6-TB5:6	185	○	29 C
SWGR +6-TB5:7	186	○	30 C
SWGR +5-TB5:8	G1100	○	31 C
SWGR +5-TB5:9	G1104	○	32 C
SWGR +5-TB5:10	G1CND	○	33 C
SWGR +5-TB5:11	G1030	○	34 C
SWGR +5-TB5:12	G1124	○	35 C

SECTION #1 - CTRLs

<u>LINE-UP</u>	<u>TERMINAL</u>	<u>WIRE*</u>	TB5
SWGR +5-TB5:13	G1GND	36	
SWGR +5-TB5:14	G1070	37	
SWGR +5-TB5:15	G1108	38	
SWGR +5-TB5:16	G1078	39	
SWGR +5-TB5:17	G1100	40	
SWGR +5-TB5:18	G1109	41	
SWGR +5-TB5:19	G1110	42	
SWGR +5-TB5:20	G1111	43	
SWGR +5-TB5:21	G1112	44	
SWGR +5-TB5:22	G1113	45	
SWGR +5-TB5:23	G1114	46	
SWGR +5-TB5:24	G1115	47	
SWGR +5-TB5:25	G1137	48	
SWGR +4-TB5:4	G1136	49	
SWGR +5-TB5:26	G1136	50	
SWGR +5-TB5:27	G1145	51	
SWGR +5-TB5:28	G1150	52	
SWGR +5-TB5:29	G1149	53	
SWGR +4-TB5:5	G1151	54	
SWGR +5-TB5:30	G1138	55	
SWGR +5-TB5:31	G1147	56	
SWGR +6-TB5:8	G2100	57	
SWGR +6-TB5:9	G2104	58	
SWCR +6-TB5:10	G2GND	59	
SWGR +6-TB5:11	G2030	60	
SWGR +6-TB5:12	G2124	61	
SWGR +6-TB5:13	G2GND	62	
SWGR +6-TB5:14	G2070	63	
SWGR +6-TB5:15	G2108	64	
SWGR +6-TB5:16	G2078	65	
SWGR +6-TB5:17	G2100	66	
SWGR +6-TB5:18	G2109	67	
SWGR +6-TB5:19	G2110	68	
SWGR +6-TB5:20	G2111	69	

SECTION #1 - CTRL
CONT...

LINE-UP	TERMINAL	WIRE*	TB5
SWGR	+6-TB5:21	G2112	70
SWGR	+6-TB5:22	G2113	71
SWGR	+6-TB5:23	G2114	72
SWGR	+6-TB5:24	G2115	73
SWGR	+6-TB5:25	G2137	74
SWGR	+4-TB5:6	G2136	75
SWGR	+6-TB5:26	G2136	76
SWGR	+6-TB5:27	G2145	77
SWGR	+6-TB5:28	G2150	78
SWGR	+6-TB5:29	G2149	79
SWGR	+4-TB5:7	G2151	80
SWGR	+6-TB5:30	G2138	81
SWGR	+6-TB5:31	G2147	82
SWGR	+1-TB5:10	217	83
SWGR	+1-TB5:11	105	84
SWGR	+3-TB5:5	104	85
SWGR	+3-TB5:6	219	86
SWGR	+3-TB5:7	220	87
SWGR	+3-TB5:8	221	88
SWGR	+3-TB5:9	222	89
SWGR	+3-TB5:10	223	90
SWGR	+3-TB5:11	251	91
SWGR	+3-TB5:12	252	92
SWGR	+3-TB5:13	253	93
SWGR	+3-TB5:14	254	94
SWGR	+3-TB5:15	255	95
SWGR	+3-TB5:16	256	96
SWGR	+1-TB5:12	257	97
SWGR	+1-TB5:13	258	98
SWGR	+1-TB5:14	259	99
SWGR	+1-TB5:15	260	100
SWGR	+1-TB5:16	261	101
SWGR	+1-TB5:17	262	102

SECTION #1 - CTRLs

LINE-UP	TERMINAL		WIRE*	TB5
SWGR +2-TB5:1		263	○	103
SWGR +4-TB5:8		264	○	104
SWGR -TB5:18		1	○	105
SWGR +3-TB5:17		1	○	106
SWGR +3-TB5:19		1	○	107
SWGR +1-TB5:19		2	○	108
SWGR +3-TB5:18		2	○	109
SWGR +3-TB5:20		2	○	110
SWGR +1-TB5:20		268	○	111
SWGR +1-TB5:21		267	○	112
SWGR +1-TB5:22		283	○	113
SWGR +1-TB5:23		280	○	114
SWGR +3-TB5:21		295	○	115
SWGR +3-TB5:22		294	○	116
SWGR +3-TB5:23		307	○	117
SWGR +3-TB5:24		306	○	118
SWGR +3-TB5:25		314	○	119
SWGR +3-TB5:26		313	○	120
SWGR +3-TB5:27		326	○	121
SWGR +3-TB5:28		325	○	122
SWGR +2-TB5:2		339	○	123
SWGR +4-TB5:9		340	○	124
SWGR +1-TB5:24		337	○	125

SECTION #1 - CTRLu

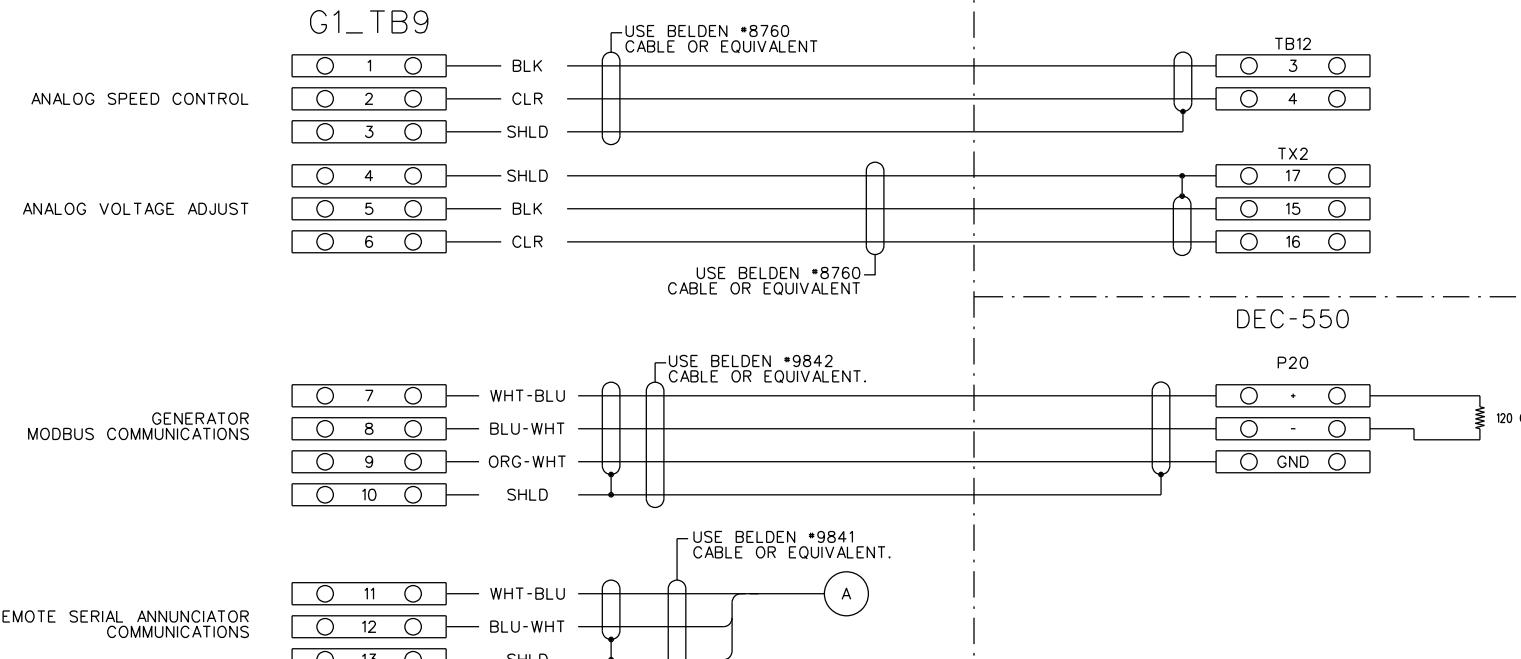
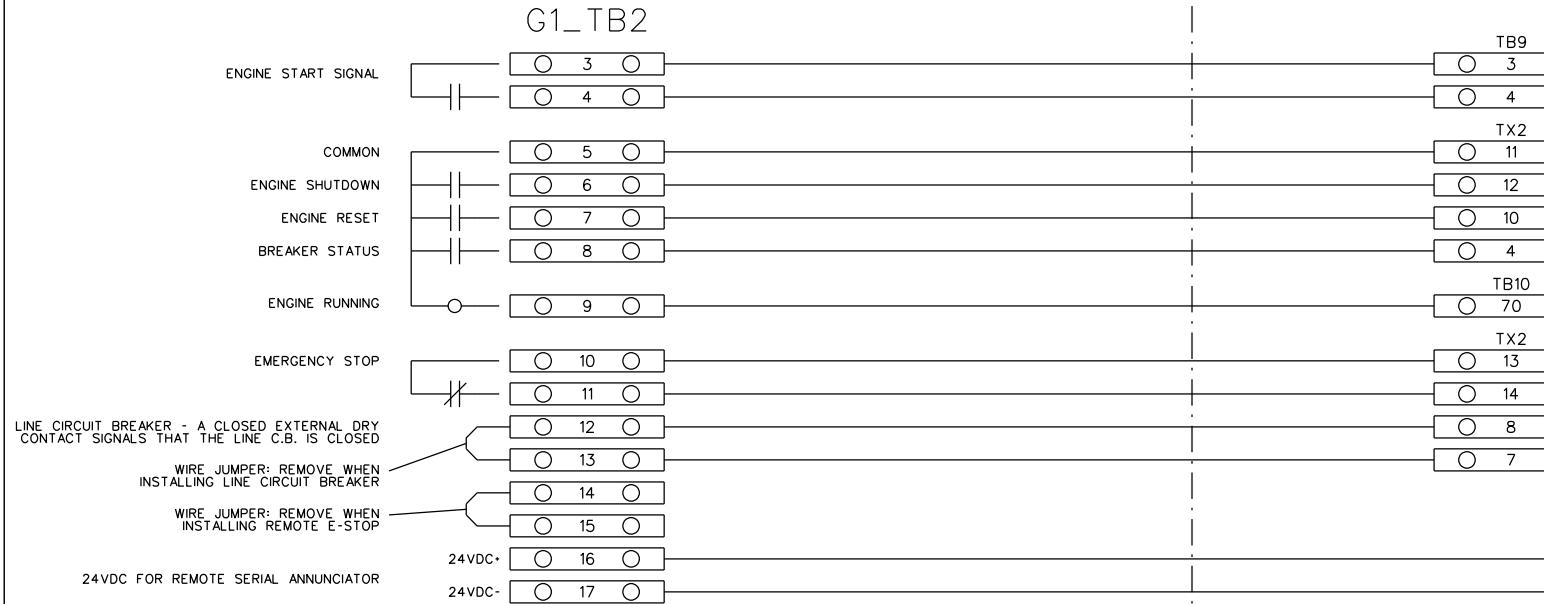
LINE-UP TERMINAL WIRE* TB7

CAE GENERATED DRAWING				PROJECT NO.: SGP-1297		KOHLER CO.	
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT		POWER SYSTEMS (KOHLER, IL) WS-3150044 S.W.S.A. THREE-PHASE 400 HZ 1000 KVA TRANSFORMERS, KOHLER EDG CIRCUIT BREAKER AND MOTOR ROTOR REVERSE/EXPRESS COMMAND WITH KOHLER OVERWORK. ALL RIGGING FOR OEM ENCLOSURE INTEGRATION ARE SKETCHED BY.	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES NO.:	ITEM	TITLE	WIRE DIAGRAM
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ES-90464	CTRL	LINE-UP INTERCONNECT	LINE-UP INTERCONNECT
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D/MASS	DATIE	SCALE	CAD NO.
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN	DMR	11-7-08	SHEET E88 OF 92
				CHECKED	APF	11-7-08	PILOTEED
				APPROVED	MEP	11-7-08	DWG. NO.
SECTION/FUNCTION	1						SGP-1297 D

SWITCHGEAR

GENERATORS

OTHER EQUIPMENT



NOTES:

- POWER CONNECTIONS NOT SHOWN.
- UNLESS OTHERWISE NOTED, CONTACT RATINGS ARE 8A/24VDC.
- SEE GENERATOR INSTALLATION GUIDE FOR COMPLETE GENERATOR CONNECTION INFORMATION.
- ALL CONTROL WIRES TO BE #14 AWG, 600V 90° STRANDED UNLESS OTHERWISE NOTED.

5. 24VDC BATTERY SUPPLY WIRING SHALL BE #10 AWG WIRE (MINIMUM) FOR WIRE LENGTHS OF 150 FEET OR LESS (ONE WAY). FOR WIRE LENGTHS GREATER THAN 150 FEET, PLEASE CONSULT FACTORY FOR PROPER WIRE GAUGE SIZING.

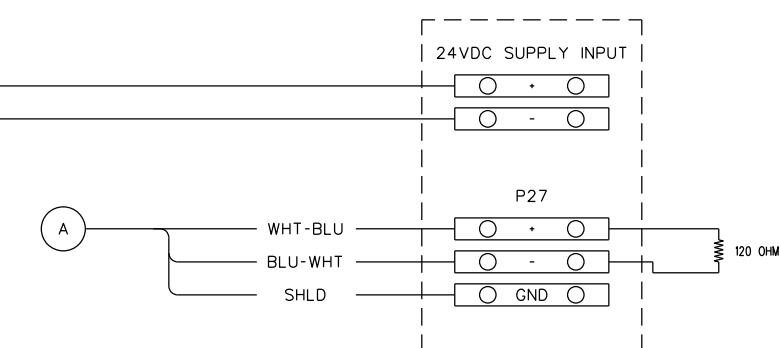
CAGE CLAMP TERMINAL BLOCKS:

1. INSERT SCREWDRIVER INTO SQUARE OPENING TO OPEN SPRING.
2. INSERT STRIPPED WIRE INTO CORRESPONDING ROUND OPENING.
3. REMOVE SCREWDRIVER TO RELEASE SPRING AND SECURE WIRE.

SECTION/FUNCTION
1

JUNCTION BOX

REMOTE SERIAL ANNUNCIATOR

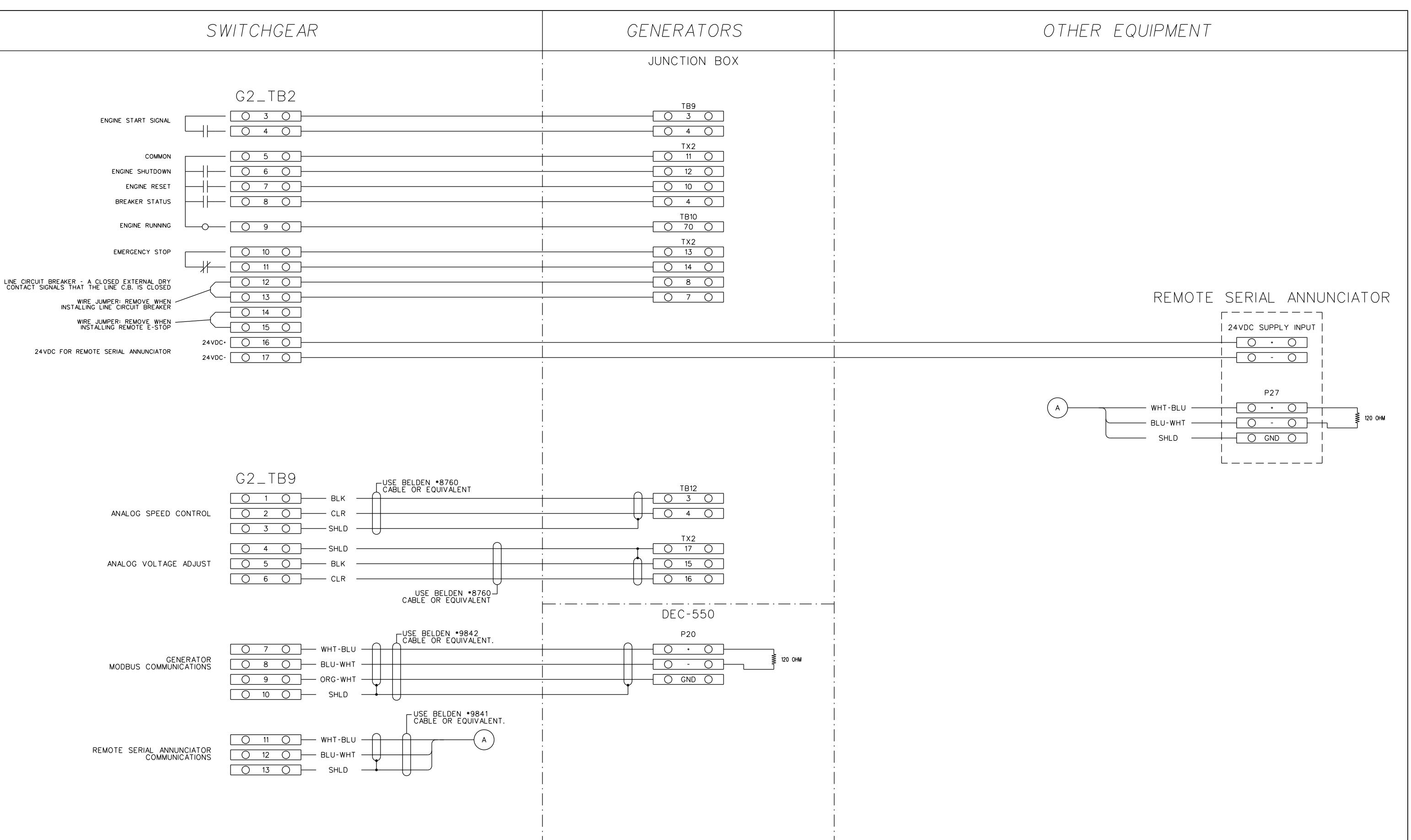


CAE GENERATED DRAWING			PROJECT NO.: SGP-1297		KOHLER CO.	
REV	DATE	REVISION	BY	PROJECT NAME: ARMED FORCES RETIREMENT	DES NO.:	POWER SYSTEMS, KOHLER, WI 53044 U.S.A.
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ARMED FORCES RETIREMENT	ES-90465	THIS DRAWING, IN DESIGN AND DETAIL, IS KOHLER CO. PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH KOHLER CO. WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	ITEM SWGR		
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROVALS DATE		
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR 11-7-08		TITLE CUSTOMER INTERCONNECT GENERATOR 1
				CHECKED APF 11-7-08	SCALE CAD NO. SHEET E89 OF 92	
				APPROVED MEP 11-7-08	PLOTTED DWG. NO. SGP-1297 D	

SWITCHGEAR

GENERATORS

OTHER EQUIPMENT



NOTES:

- POWER CONNECTIONS NOT SHOWN.
- UNLESS OTHERWISE NOTED, CONTACT RATINGS ARE 8A/24VDC.
- SEE GENERATOR INSTALLATION GUIDE FOR COMPLETE GENERATOR CONNECTION INFORMATION.
- ALL CONTROL WIRES TO BE #14 AWG, 600V 90° STRANDED UNLESS OTHERWISE NOTED.
- 24VDC BATTERY SUPPLY WIRING SHALL BE #10 AWG WIRE (MINIMUM) FOR WIRE LENGTHS OF 150 FEET OR LESS (ONE WAY). FOR WIRE LENGTHS GREATER THAN 150 FEET, PLEASE CONSULT FACTORY FOR PROPER WIRE GAUGE SIZING.

CAGE CLAMP TERMINAL BLOCKS:

- INSERT SCREWDRIVER INTO SQUARE OPENING TO OPEN SPRING.
- INSERT STRIPPED WIRE INTO CORRESPONDING ROUND OPENING.
- REMOVE SCREWDRIVER TO RELEASE SPRING AND SECURE WIRE.

SECTION/FUNCTION
1

CAE GENERATED DRAWING

CAE GENERATED DRAWING			PROJECT NO.:	SGP-1297	
REV	DATE	REVISION	BY	ARMED FORCES RETIREMENT	
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	DMR	ES-90465	ITEM SWGR
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	APPROV'D AS	DATE
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV'D AS	DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR	11-7-08
			CHECKED	APF	11-7-08
			APPROVED	MEP	11-7-08

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CUSTOMER INTERCONNECT
GENERATOR 2

SCALE CAD NO. SHEET E90 OF 92

PUBLISHED DWG. NO. SGP-1297 D

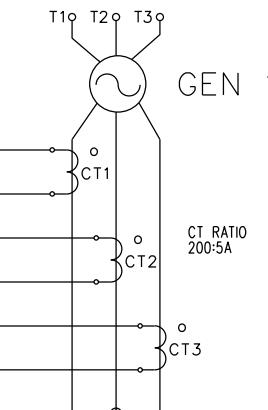
SWITCHGEAR

GENERATORS

DIFFERENTIAL CT'S

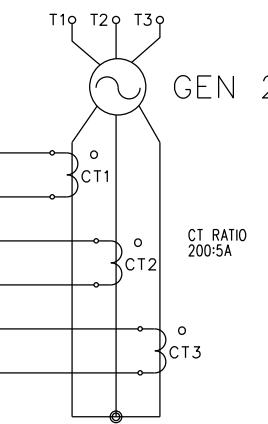
G1_STB1

- 1
- 2
- 3
- 4
- 5
- 6

WIRE 12 GA.
MINIMUM

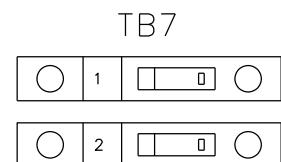
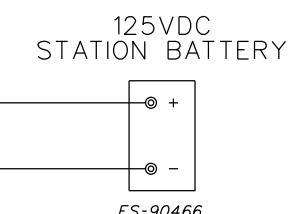
G2_STB1

- 1
- 2
- 3
- 4
- 5
- 6

WIRE 12 GA.
MINIMUM

CONTROL

CUSTOMER

WIRE 10 GA.
MINIMUM

NOTES:

1. POWER CONNECTIONS NOT SHOWN.
2. UNLESS OTHERWISE NOTED, CONTACT RATINGS ARE 8A/24VDC.
3. SEE GENERATOR INSTALLATION GUIDE FOR COMPLETE GENERATOR CONNECTION INFORMATION.
4. ALL CONTROL WIRES TO BE #14 AWG, 600V 90° STRANDED UNLESS OTHERWISE NOTED.

5. 24VDC BATTERY SUPPLY WIRING SHALL BE #10 AWG WIRE (MINIMUM) FOR WIRE LENGTHS OF 150 FEET OR LESS (ONE WAY). FOR WIRE LENGTHS GREATER THAN 150 FEET, PLEASE CONSULT FACTORY FOR PROPER WIRE GAUGE SIZING.

CAGE CLAMP TERMINAL BLOCKS:

1. INSERT SCREWDRIVER INTO SQUARE OPENING TO OPEN SPRING.
2. INSERT STRIPPED WIRE INTO CORRESPONDING ROUND OPENING.
3. REMOVE SCREWDRIVER TO RELEASE SPRING AND SECURE WIRE.

SECTION/FUNCTION
1

CAE GENERATED DRAWING

PROJECT NO.: SGP-1297			Kohler Co.	
REV DATE REVISION			PROJECT NAME: ARMED FORCES RETIREMENT	
			DMR	ITEM
-	11-7-08	NEW DRAWING - FOR SUBMITTAL [86663]	-	-
A	5-28-09	REVISED - FOR MANUFACTURING [87742]	JXH	
B	7-16-09	REVISED PER AS-BUILT [88108]	SJP	APPROV/MASS DATE
C	2-18-21	REVISED PER FIELD MODIFICATIONS [CT209624]	CLM	DRAWN DMR 11-7-08
			CHECKED APF	11-7-08
			APPROVED MEP	11-7-08

POWER SYSTEMS KODERESKI W530004 U.S.A.
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CUSTOMER INTERCONNECT
GEN. (DIFF.) / POWER
SCALE CAD NO. SHEET E91 OF 92
PUBLISHED DWG. NO. SGP-1297 D

CONTROL

CUSTOMER

G1_TB2
CONT...G2_TB2
CONT...

SC_TB2



NOTES:

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CUSTOMER INTERCONNECT MISC. CONTACTS		
SCALE	CD NO.	SHEET E92 OF 92
PUBLISHED	DWG. NO.	SGP-1297 D