

SWITCHBOARDS

DESCRIPTION

NEVER USED, NEVER ASSEMBLED—BLOKSET, manufactured by Schneider, is a modular switchboard, made up of a number of sections. This package includes two BLOKSET switchboards, with six sections each.



This system includes the following main features:

- **Uncompromised Safety:** BLOKSET switchboards are fully tested and certified according to the latest industry standards. They are designed to offer safe operation and maintenance, and feature comprehensive internal arc and short circuit protection.
- **Superior Reliability:** All BLOKSET switchboard components and devices are designed by Schneider Electric. They offer full switchboard compatibility and are designed to operate in the harshest of environments, including areas that are prone to seismic activity.
- **Performance and Efficiency:** BLOKSET switchboards provide industry-leading performance and are smart grid-ready. Offering advanced protection, fault protection and seamless integration with energy management and control systems, BLOKSET delivers long-term efficiency.

ID	17C-AR-06
OEM	SCHNEIDER
YOM	2014
LOCATION	WAREHOUSE, DUNKIRK FRANCE
CONDITION	NEVER USED
PACKAGING	ORIGINAL CRATES

SPECIFICATIONS	
MODEL	BLOKSET
REF. STD.	IEC 61439-1
PROTECTION CLASS	IP31
SEGREGATION	Form 3B
INSULATION VOLTAGE	690V
BUSBAR VOLTAGE	1000V
FREQUENCY	50Hz
DIELECTRICAL VOLTAGE	2.2kV/1sn
BUSBARS RATED IMPULSE	12kV
SERVICE VOLTAGE	690V - 3PH
SHORT TIME CURRENT	50kA – 1 SEC
BUSBAR CURRENT	630A



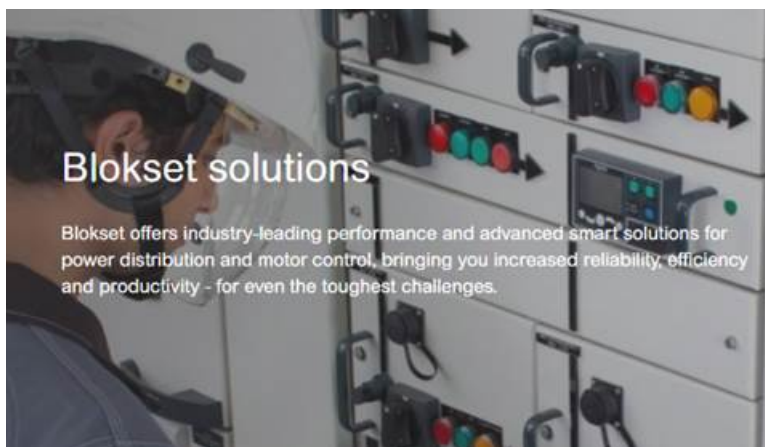
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SWITCHBOARDS

PICTURES



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APPENDIX A

SCHNEIDER BLOKSET SWITCHBOARDS

PACKING LIST



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								SCHNEIDER ELECTRIC INDUSTRIES (M) SDN BHD Unit TB-18-2, Level 18, Tower B, Plaza 33, No 1, Jalan Kemajuan Seksyen 13, 46200 Petaling Jaya, Selangor, Malaysia SCHNEIDER ELEKTRİK SANAYİ VE TİCARET A.Ş. MANİSA ORGANİZE SANAYİ BÖLGESİ - 4. KISIM ZEKİ ŞAİROĞLU CAD. NO: 13				PACKING LIST			Liste		PL		No		3079					
												de colisage														
												N° PO Chrono			Activité-Unité				Code Eng		N°ordre		avt			
									IM22059		PO		9806J-0440		1654		003									
								Nombre de colis / Number of packages		POIDS NET TOTAL Total Net weight (Kg)				POIDS BRUT TOTAL Total gross weight (kg)				VOLUME TOTAL Total volume (m3)								
								12		6 854				8 240				33								
Package No Colis No		Type of Package Nature du Colis		Measurement (in centimeters) Length x width x height Dimensions (en Centimetres) Longueur X Largeur x Hauteur			POIDS EN KG		Unit Volume in M3 Volume unitaire en M3	ITEM/TAG No		QUANT. Quantity SET	DESIGNATION DES PIECES Detail of packing content PANEL NAME						PAGE 01 / 01							
							Weight in Kg																			
							NET	Gross																		
							Net	brut											Column No/Colonne no	PANEL NO/n° de Cellule	Storage Code/Code de Stockage					
1		CASE		84 130 249			635	745	2.72	143-SW-6-1 1		BLOKSET LV SWITCHBOARDS						BLOKSET		A	P01	xxxx				
2		CASE		84 120 249			591	702	2.51	143-SW-6-1 1		BLOKSET LV SWITCHBOARDS						BLOKSET		A1	P01	xxxx				
3		CASE		84 120 249			587	700	2.51	143-SW-6-1 1		BLOKSET LV SWITCHBOARDS						BLOKSET		A2	P01	xxxx				
4		CASE		84 120 249			590	700	2.51	143-SW-6-1 1		BLOKSET LV SWITCHBOARDS						BLOKSET		A3	P01	xxxx				
5		CASE		84 120 249			595	705	2.51	143-SW-6-1 1		BLOKSET LV SWITCHBOARDS						BLOKSET		A4	P01	xxxx				
6		CASE		84 120 249			508	620	2.51	143-SW-6-1 1		BLOKSET LV SWITCHBOARDS						BLOKSET		A5	P01	xxxx				
7		CASE		84 200 249			880	1025	4.18	14-SW-5-1 1		BLOKSET LV SWITCHBOARDS						BLOKSET		A-AG	P02	xxxx				
8		CASE		84 150 249			566	703	3.14	14-SW-5-1 1		BLOKSET LV SWITCHBOARDS						BLOKSET		G	P02	xxxx				
9		CASE		84 130 249			450	560	2.72	14-SW-5-1 1		BLOKSET LV SWITCHBOARDS						BLOKSET		G1	P02	xxxx				
10		CASE		84 120 249			473	580	2.51	14-SW-5-1 1		BLOKSET LV SWITCHBOARDS						BLOKSET		A1	P02	xxxx				
11		CASE		84 120 249			476	585	2.51	14-SW-5-1 1		BLOKSET LV SWITCHBOARDS						BLOKSET		G2	P02	xxxx				
12		CASE		84 120 249			503	615	2.51	14-SW-5-1 1		BLOKSET LV SWITCHBOARDS						BLOKSET		G3	P02	xxxx				
				A REPORTER - To follow			6 854	8 240	33			12	PAYS D'ORIGINE - Country of origin : TURKEY										Page No		1/1	

APPENDIX B

SCHNEIDER BLOKSET SWITCHBOARDS

SCHEMATICS & SPECS



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SCHNEIDER ELECTRIC

14-SW-5-1

CUSTOMER :

USER :

ORDER NO : S13005.16

USER NO :

14-SW-5-1



K	03-06-2014	AS BUILT	ISU		AKA		HUT		
J	02-05-2014	CUSTOMER COMMENT	ISU		AKA		HUT		
I	14-04-2014	TRIP SIGNAL LAMP	ISU		AKA		HUT		
H	24-03-2014	CUSTOMER COMMENT	ISU		AKA		HUT		
G	07-02-2014	CB REVISION	ISU		AKA		HUT		
F	21-01-2014	CUSTOMER COMMENT	ISU		AKA		HUT		
E	03-12-2013	CIVIL DRAWINGS	ISU		AKA		HUT		
D	05-11-2013	EQUIPPED SPARE	ISU		AKA		HUT		
C	03-10-2013	CUSTOMER COMMENT	ISU		AKA		HUT		
A	03-07-2013	First issue	ISU		AKA		HUT		

Rev	Date	Modification	Name	Visa	Name	Visa	Name	Visa	Archive
			Drawn		Checked		Approved		

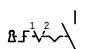
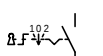
Cubicle Type				
BLOKSET				
Department		S1300516 - 02	Rev K	Sheet 001
REU				

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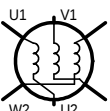
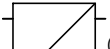
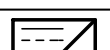
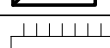
SHEET	SUMMARY PAGE	REVISION										SHEET	DESIGNATION	REVISION											
001	COVER PAGE /	A	C	K								043	T2 SCHEMATIC-1 /	A	C	F	G	K							
002	SUMMARY PAGE_ENG /	A	C	D	E	F	G	H	I	J	K	044	T2 SCHEMATIC-2 /	A	C	D	G	K							
003	SYMBOL LIST /	A	K									045	COMMUNICATION SCHEMATIC / MODBUS	A	C	D	F	H	K						
004	PANEL CHARACTERISTICS /	A	B	C	K							046	EQUIPMENT LIST_ENG /	I	K										
005	BLOKSET LABELS /	A	K									047	EQUIPMENT LIST_ENG /	I	K										
006	CUBICLE CHARACTERISTIC / NAME PLATES ENGLISH	A	H	K								048	EQUIPMENT LIST_ENG /	I	K										
007	CUBICLE CHARACTERISTIC / NAME PLATES FRENCH	G	H	K								049	EQUIPMENT LIST_ENG /	I	K										
008	SINGLE LINE-1 /	A	B	C	D	F	G	H	J	K		050	EQUIPMENT LIST_ENG /	I	K										
009	SINGLE LINE-2 /	A	B	C	G	J	K					051	EQUIPMENT LIST_ENG /	I	K										
010	SINGLE LINE-3 /	A	B	D	G	K						052	Terminal Strip: AGX1 / TERMINAL STRIP : AGX1	H	K										
011	FRONT VIEW-1 /	A	B	C	D	H	I	K				053	Terminal Strip: AX1 / TERMINAL STRIP : AX1	H	K										
012	FRONT VIEW-2 /	A	B	C	F	K						054	Terminal Strip: G1X1 / TERMINAL STRIP : G1X1	H	K										
013	FRONT VIEW-3 /	A	B	D	F	I	K					055	Terminal Strip: GX1 / TERMINAL STRIP : GX1	H	K										
014	CIVIL PLAN-1 /	A	B	E	H	K						056	Terminal Strip: T1X1 / TERMINAL STRIP : T1X1	H	K										
015	CIVIL PLAN-2 /	A	B	E	H	K						057	Terminal Strip: XBAG / TERMINAL STRIP : XBAG	H	K										
016	CIVIL PLAN-3 /	A	B	E	H	K						058	Terminal Strip: XCF-T / TERMINAL STRIP : XCF-T	H	K										
017	SIDE VIEW /	G	K																						
018	INCOMING AND EXTERNAL SUPPLY / SCHEMATIC	A	D	K																					
019	HEATER AND LIGHTING SCHEMATIC /	A	C	K																					
020	COMMUNICATION WIRING /	A	C	F	H	J	K																		
021	INCOMER-A SCHEMATIC-1 /	A	C	H	K																				
022	INCOMING-A SEPAM /	A	C	D	K																				
023	INCOMING-A SCHEMATIC-1 /	A	D	F	G	K																			
024	INCOMING-A SCHEMATIC-2 /	A	C	D	K																				
025	INCOMING-A SCHEMATIC-3 /	A	C	D	F	K																			
026	BUS-TIE SEPAM-1 /	E	F	K																					
027	BUS-TIE SEPAM-2 /	A	C	D	F	G	J	K																	
028	AGQ1 CONTACT SCHEMATIC /	A	D	F	K																				
029	AGQ1 SCHEMATIC-1 /	A	C	D	G	K																			
030	AGQ1 SCHEMATIC-2 /	A	C	D	F	H	K																		
031	AGQ1 SCHEMATIC-3 /	A	C	D	K																				
032	AGQ1 SCHEMATIC-4 /	A	C	D	F	H	K																		
033	INCOMER-G SCHEMATIC-1 /	A	C	D	F	K																			
034	INCOMING-G SEPAM /	A	C	D	K																				
035	INCOMING-G SCHEMATIC-1 / LOAD SHEDDING	A	D	F	G	H	K																		
036	INCOMING-G SCHEMATIC-2 /	A	C	D	G	K																			
037	INCOMING-G SCHEMATIC-3 /	A	D	F	K																				
038	OUTGOING LIST /	A	B	C	D	G	H	K																	
039	G1Q1 SCHEMATIC-1 /	A	C	D	F	K																			
040	G1Q1 SCHEMATIC-2 /	A	C	G	K																				
041	G1Q1 SCHEMATIC-3 /	A	C	D	F	K																			
042	T1 SCHEMATIC /	A	C	D	F	G	I	K																	
Archive		SUMMARY PAGE										14-SW-5-1					S1300516-02					Cubicle Type BLOKSET		Rev K	Sheet 002

1		2		3		4		5		6		7		8		9		10	
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B																			
C																			
D																			

MISCELLANEOUS COMPONENTS	
IEC SYMBOL	DESCRIPTION
 (K)	INSTANTANEOUS COIL & CONTACTOR RELAY
 (R)	RESISTOR
 (P)	MEASURING DEVICE
	PROTECTION RELAY INPUT
 (V)	DIODE
 (S)	THERMOSTAT / HYGROSTAT
 (H)	INDICATOR TUNGSTEN, NEON
 (H)	INDICATOR LED
	THERMAL RELAY
	ON DELAY TIMER (TON)
 (K)	OFF DELAY TIMER (TOF)
 (F)	SURGE ARRESTER
	FUSE
 (H)	HORN

MISCELLANEOUS COMPONENTS	
IEC SYMBOL	DESCRIPTION
	MAKE CONTACT
	BREAK CONTACT
	CHANGE OVER BREAK
	THERMAL FAULT CONTACT N/O
	THERMAL FAULT CONTACT N/C
 (S)	PUSH BUTTON N/O
 (S)	PUSH BUTTON N/C
 (S)	2 POSITION TURN SWITCH N/O
 (S)	3 POSITION TURN SWITCH N/O
 (S)	TNC SWITCH
	SWITCH DISCONNECTOR
	DISCONNECTOR
	CABLE
	EARTH-GROUND

MISCELLANEOUS COMPONENTS	
IEC SYMBOL	DESCRIPTION
 (S)	LIMIT SWITCH MAKE CONTACT (DRAWER POSITION)
	CONTACTOR
 (Q)	LV CIRCUIT BREAKER
 (Q)	MAGNETIC CIRCUIT BREAKER
 (Q)	MOTORIZED THERMAL/MAGNETIC CIRCUIT BREAKER
 (Q)	THERMAL/MAGNETIC CIRCUIT BREAKER
	RESIDUAL CURRENT SWITCH
	RESIDUAL CURRENT CIRCUIT BREAKER
	MECHANICAL INTERLOCK
	ELECTRICAL INTERLOCK
 (T)	VOLTAGE TRANSFORMER
 (T)	RESIDUAL CURRENT
 (T)	CURRENT TRANSFORMER

MISCELLANEOUS COMPONENTS	
IEC SYMBOL	DESCRIPTION
	3 PHASE AC MOTOR
	1 PHASE AC MOTOR
	STAR DELTA 3 PHASE AC MOTOR
 (T)	TRANSDUCER
 (T)	DC/AC CONVERTER
 (T)	DC/DC CONVERTER
	FUNCTIONAL EQUIPMENT
	WITHDRAWABLE
	PIN
 (X)	TEST BOX
 (X)	TERMINAL
 (X)	TEST TERMINAL

K	03-06-2014	AS BUILT	ISU																
A	03-07-2013	First issue	ISU																
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn												

SYMBOL LIST

14-SW-5-1

Schneider Electric

S1300516-02

Cubicle Type BLOKSET

Rev K

Sheet 003

	1	2	3	4	5	6	7	8	9	10																																																																														
A B C D	<table><tr><td colspan="2">STANDARDS</td><td colspan="2">POWER SUPPLY</td><td colspan="3">SUPPLY OF AUXILIARIES</td><td colspan="3">PROTECTION CLASS/ SEGREGATION</td></tr><tr><td colspan="2">TYPE TESTED ASSEMBLIES IEC 61439-1, VDE 0660, DIN 41-488, BS 5486, EN 439-1</td><td colspan="2">RATED SERVICE VOLTAGE..... : 690V SWITCHBOARD RATED CURRENT..... : 630A RATED SHORT TIME WITHSTAND CURRENT (Isc)..... : 50kA/1s *THE RATING VALUES SPECIFIED IN THE DRAWINGS ARE NOMINAL VALUES</td><td colspan="3">AUXILIARY CIRCUITS VOLTAGE (V) TYPE AC, DC FREQUENCY (Hz) SOURCE IN OUT INCOMER/ BUS TIE MOTOR 110V ☐ ☒ .. ☐ ☒ INCOMER/ BUS TIE CONTROL 110V ☐ ☒ .. ☐ ☒ INCOMER/ BUS TIE SIGNALISATION 110V ☐ ☒ .. ☐ ☒ FEEDERS CONTROL 240V 24V ☒ ☒ 50Hz .. ☐ ☐ FEEDERS SIGNALISATION 24V ☐ ☐ 50Hz .. ☐ ☐ SWITCHGEAR LIGHTING 240V ☒ ☐ 50Hz .. ☐ ☒ SWITCHGEAR HEATERS 240V ☒ ☐ 50Hz .. ☐ ☒</td><td colspan="3">PROTECTION CLASS ☒ IP 31 ☐ IP 42 ☐ IP 54 ☒ IP 2X FOR DOOR OPEN IP42: 1 VENTILATION FAN FOR EACH 3 CUBICLES IS COMPULSORY. SEGREGATION ☐ FORM 1 ☐ FORM 2b ☒ FORM 3b ☐ FORM 4b</td></tr><tr><td colspan="2">GENERAL CHARACTERISTICS NUMBER OF PHASES..... : 3 RATED INSULATION VOLTAGE..... : 690V RATED INS.VOLTAGE FOR MAIN BUSBARS..... : 1000V RATED FREQUENCY..... : 50Hz DIELECTRICAL WITHSTAND VOLTAGE..... : 2.2kV OVERVOLTAGE CATEGORY..... : IV RATED IMPULSE WITHSTAND VOLTAGE..... : 12kV (FOR MAIN BUSBARS)</td><td colspan="2">NEUTRAL OPERATION ☒ IT ☐ TT ☐ TNC ☐ TNS</td><td colspan="3">BUSBARS ☒ 3P+PE ☐ 3P+N+PE ☐ 3P+PEN MATERIAL ☒ COPPER ☐ ALUMINIUM COATING ☒ NO(BARE) ☐ TIN ☐ SILVER INSULATION MATERIAL BLACK EPOXY ☒ INSULATED+ JOINTS BARE ☐ INSULATED+ JOINTS TIN ☐ INSULATED+ JOINTS SILVER EARTH ☒ NO (BARE) ☐ COATED NEUTRAL ☐ SAME SECTION N=Ph ☐ HALF SECTION N=Ph/2 BUSBAR LABELS ☐ STANDARD (BLACK LETTERS ON WHITE) ☒ SPECIAL (L1:BROWN - L2:BLACK - L3:GREY)</td><td colspan="3">WIRING TYPE OF POWER CABLES ☒ HALOGEN FREE ☒ FLAME RETARDANT COATING OF POWER CABLES ☒ BARE COPPER ☐ TINNED COPPER TYPE OF CONTROL CABLES ☒ HALOGEN FREE ☒ FLAME RETARDANT COATING OF CONTROL CABLES ☒ BARE COPPER ☐ TINNED COPPER INSULATION LEVEL ☐ 750 V ☒ 1000 V OPERATING TEMPERATURE ☒ 70 °C ☐ 90 °C COLOUR ☒ ALL IN BLACK ☐ ALL ☐ AS BELOW</td><td colspan="3">LABELING LANGUAGE ☒ ENGLISH / FRENCH ☐ TURKISH ☐ TURKISH/ ENGLISH MOUNTING TYPE ☒ SCREWED ☐ ADHESIVE ☐ RIVETED * SEE THE LABEL PAGE FOR LABEL SPECIFICATIONS. CABLE CODING SYSTEM ☐ ADDRESSED ☒ NUMBERS</td></tr><tr><td colspan="2">CLIMATIC CONDITION INSTALLATION..... : INDOOR ATMOSPHERE..... : CONDITIONED AMBIENT TEMPERATURE MINIMUM & MAXIMUM..... : -5 °C 40 °C DAILY AVERAGE AND DESIGN TEMPERATURE..... : 35 °C HUMIDITY..... : 11% 100% (WITH HEATER) ALTITUDE ☒ <=2000m ☐ > 2000m</td><td colspan="2">APPARATUS MOUNTING INCOMING OUTGOING ☐ FIXED ☐ ☐ PLUG-IN ☐ ☒ DRAW-OUT (WITHDRAWABLE CIRCUIT BREAKER) ☒ ☒ DRAW-OUT (WITHDRAWABLE CHASSIS FOR MOTOR STARTERS) ☒ OPERATION ☐ BEHIND DOOR ☐ ☒ THROUGH DOOR ☒ ☐ FRONT PLATE+DOOR ☐</td><td colspan="3">TERMINALS TYPE ☒ SCREWED ☐ SPRING RESERVE ☐ NO ☒ YES (%10)</td></tr><tr><td colspan="2">ENCLOSURES TYPE ☒ BLOKSET COLOUR ☐ RAL 9002 ☒ RAL 9003 MAIN SHEET METAL THICKNESS..... : 2mm FORMATION SHEET METAL THICKNESS..... : 1-1.5mm PAINT THICKNESS..... : 80-120µ PAINT TYPE..... : ELECTROSTATIC POWDER PAINTING</td><td colspan="2">LANGUAGE OF DRAWINGS ☐ TURKISH/ENGLISH ☒ ENGLISH ☐ TURKISH</td><td colspan="3">OPTIONS <table><tr><td></td><td>NO</td><td>YES</td></tr><tr><td>EARTHQUAKE OPTION</td><td>☒</td><td>☐</td></tr><tr><td>SUPPLEMENTARY PLINTH</td><td>☐</td><td>☒</td></tr><tr><td>HEATER WITH THERMOSTAT</td><td>☐</td><td>☒</td></tr><tr><td>HEATER WITH HYGROSTAT</td><td>☒</td><td>☐</td></tr><tr><td>SWITCHGEAR LIGHTING (WITH DOOR SWITCH IN CABLE COMPARTMENTS)</td><td>☐</td><td>☒</td></tr><tr><td>VENTILATION FAN WITH THERMOSTAT</td><td>☒</td><td>☐</td></tr><tr><td>MIMIC DIAGRAM</td><td>☒</td><td>☐</td></tr></table></td></tr><tr><td colspan="2">CONNECTIONS CABLE COMPARTMENT ACCESS INCOMING OUTGOING ☒ FRONT ☒ ☒ ☐ REAR ☐ ☐ ENTRY FROM ☐ TOP ☐ ☒ BOTTOM ☒ ENTRY BY ☐ BUS DUCT ☐ ☒ CABLE ☒ TYPE OF CONNECTION ☐ DIRECT ☐ ☒ TO TERMINALS ☒ ☒ TO LUGS ☒</td><td colspan="2">PACKING PACKING TYPE ☐ WOODEN CAGE ☐ FULLY ENCLOSED WOOD ☒ OVERSEAS (C2 SEI-4C)</td><td colspan="3">PARTICULAR NOTES CT's AND VT's ARE TROPICALIZED.</td></tr></table>										STANDARDS		POWER SUPPLY		SUPPLY OF AUXILIARIES			PROTECTION CLASS/ SEGREGATION			TYPE TESTED ASSEMBLIES IEC 61439-1, VDE 0660, DIN 41-488, BS 5486, EN 439-1		RATED SERVICE VOLTAGE..... : 690V SWITCHBOARD RATED CURRENT..... : 630A RATED SHORT TIME WITHSTAND CURRENT (Isc)..... : 50kA/1s *THE RATING VALUES SPECIFIED IN THE DRAWINGS ARE NOMINAL VALUES		AUXILIARY CIRCUITS VOLTAGE (V) TYPE AC, DC FREQUENCY (Hz) SOURCE IN OUT INCOMER/ BUS TIE MOTOR 110V ☐ ☒ .. ☐ ☒ INCOMER/ BUS TIE CONTROL 110V ☐ ☒ .. ☐ ☒ INCOMER/ BUS TIE SIGNALISATION 110V ☐ ☒ .. ☐ ☒ FEEDERS CONTROL 240V 24V ☒ ☒ 50Hz .. ☐ ☐ FEEDERS SIGNALISATION 24V ☐ ☐ 50Hz .. ☐ ☐ SWITCHGEAR LIGHTING 240V ☒ ☐ 50Hz .. ☐ ☒ SWITCHGEAR HEATERS 240V ☒ ☐ 50Hz .. ☐ ☒			PROTECTION CLASS ☒ IP 31 ☐ IP 42 ☐ IP 54 ☒ IP 2X FOR DOOR OPEN IP42: 1 VENTILATION FAN FOR EACH 3 CUBICLES IS COMPULSORY. 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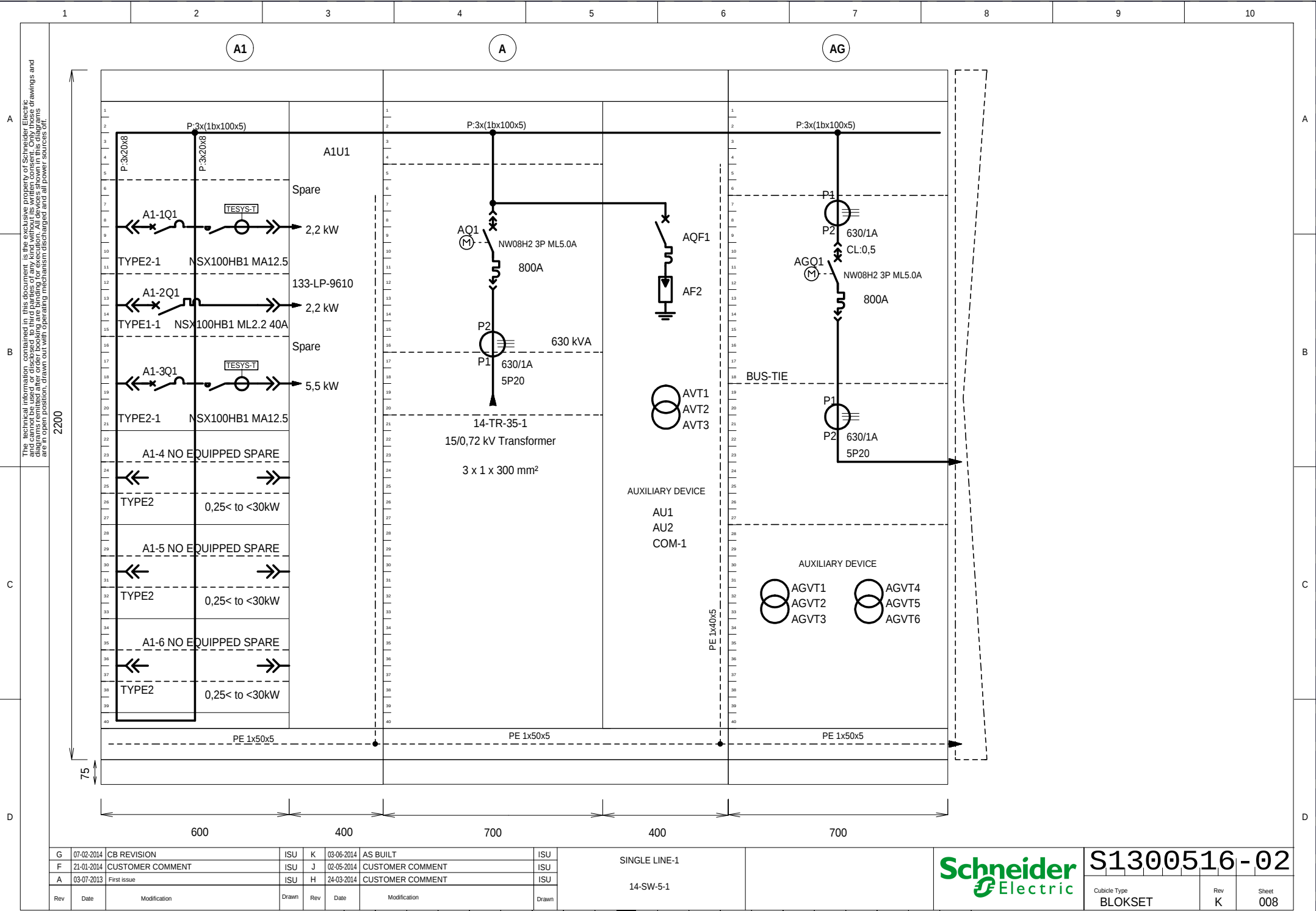
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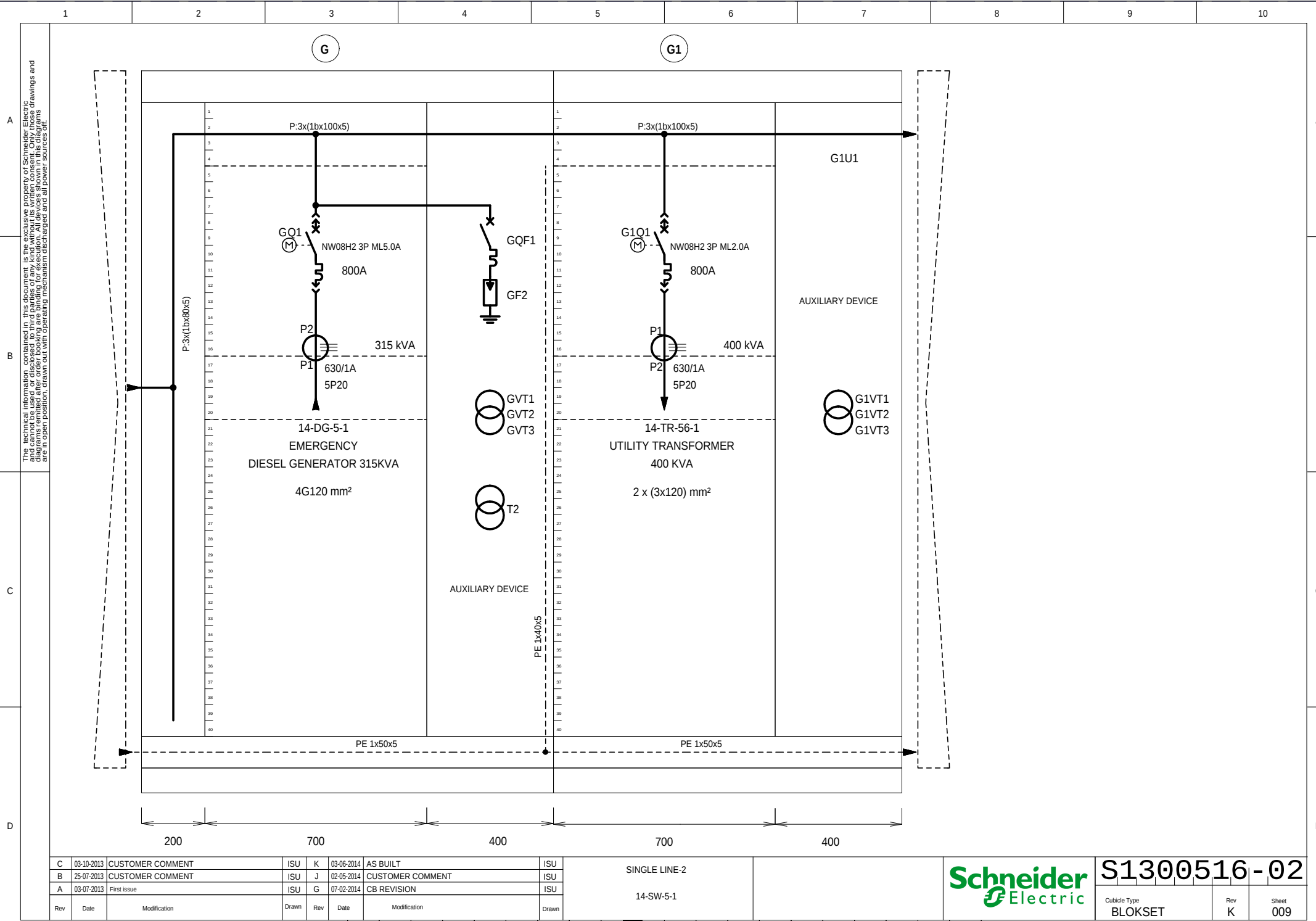
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14-SW-5-1

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A	MANUFACTURER : SCHNEIDER ELECTRIC, TURKEY ORDER NO : S13005.16 CLIENT ORDER : CAC1208PR00019 / 9806J-0440-PO-1654-003 YEAR OF MANUFACTURE : 2014 REF. STD : IEC 61439-1 TYPE : BLOKSET SWITCHBOARD NAME : 14-SW-5-1 PROTECTION CLASS : IP31 SEGREGATION : FORM 3b RATED INSULATION VOLTAGE : 690V RATED INS.VOLTAGE FOR MAIN BUSBARS : 1000V RATED FREQUENCY : 50Hz DIELECTRICAL WITHSTAND VOLTAGE : 2,2kV/1sn RATED IMPULSE WITHSTAND VOLTAGE FOR MAIN BUSBARS : 12kV RATED SERVICE VOLTAGE : 690V - 3PH RATED SHORT TIME WITHSTAND CURRENT : 50kA/ 1 SEC MAIN BUSBAR RATED CURRENT : 630A PROJECT : IMOURAREN URANIUM PROJECT CONTRACTOR / ENGINEERING : TSU PROJECTS END USER : IMOURAREN S.A.										A																																																																													
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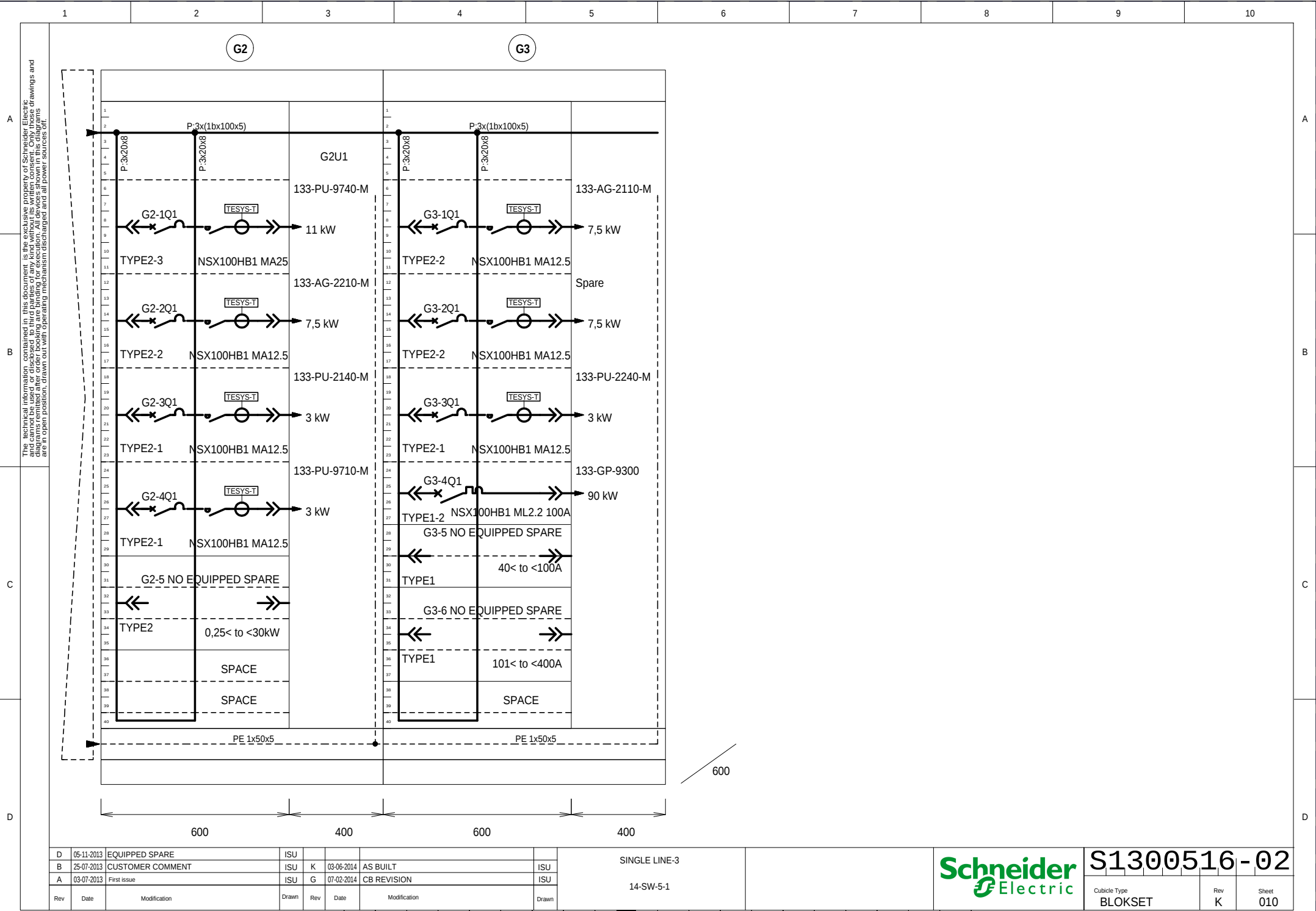


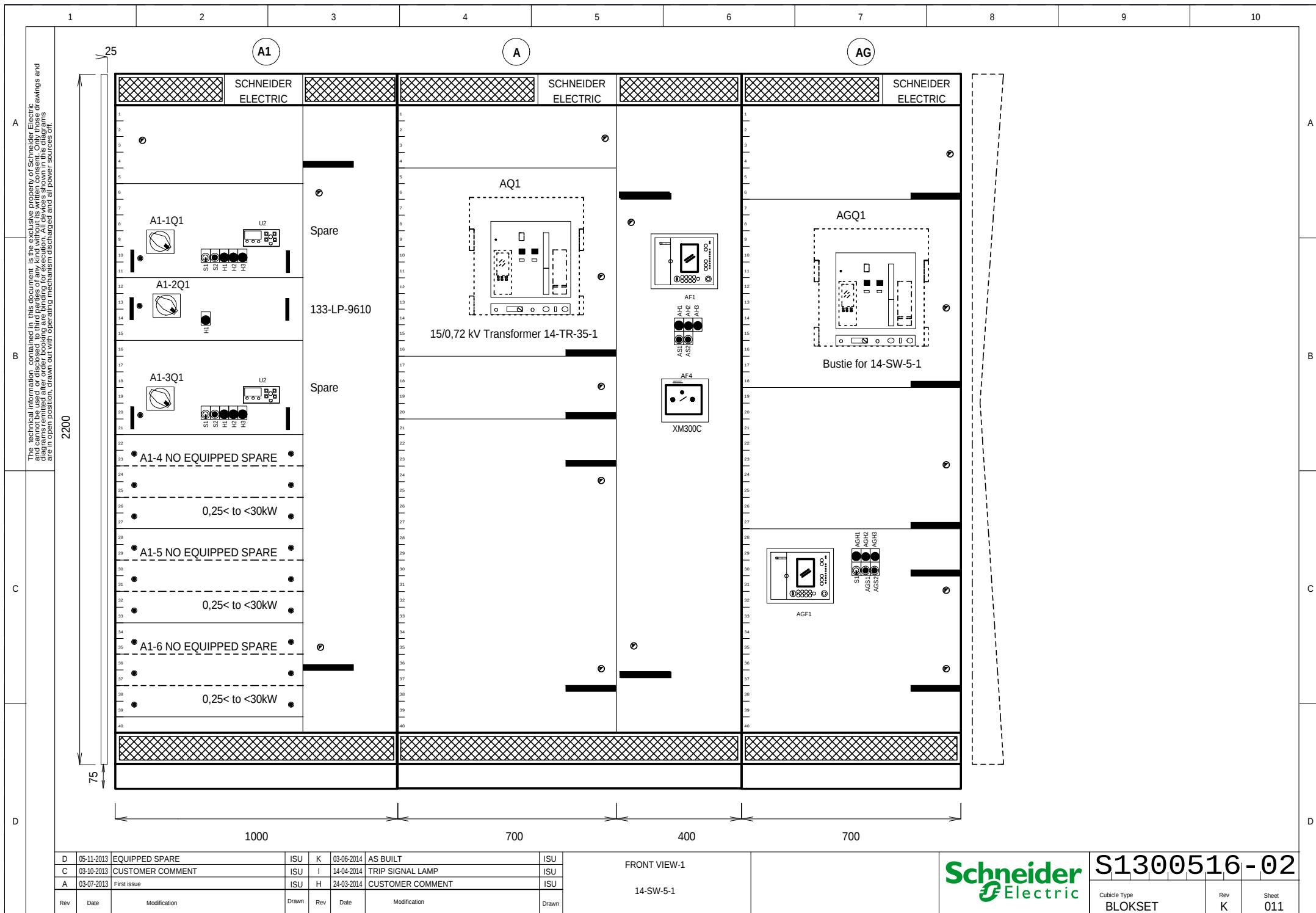
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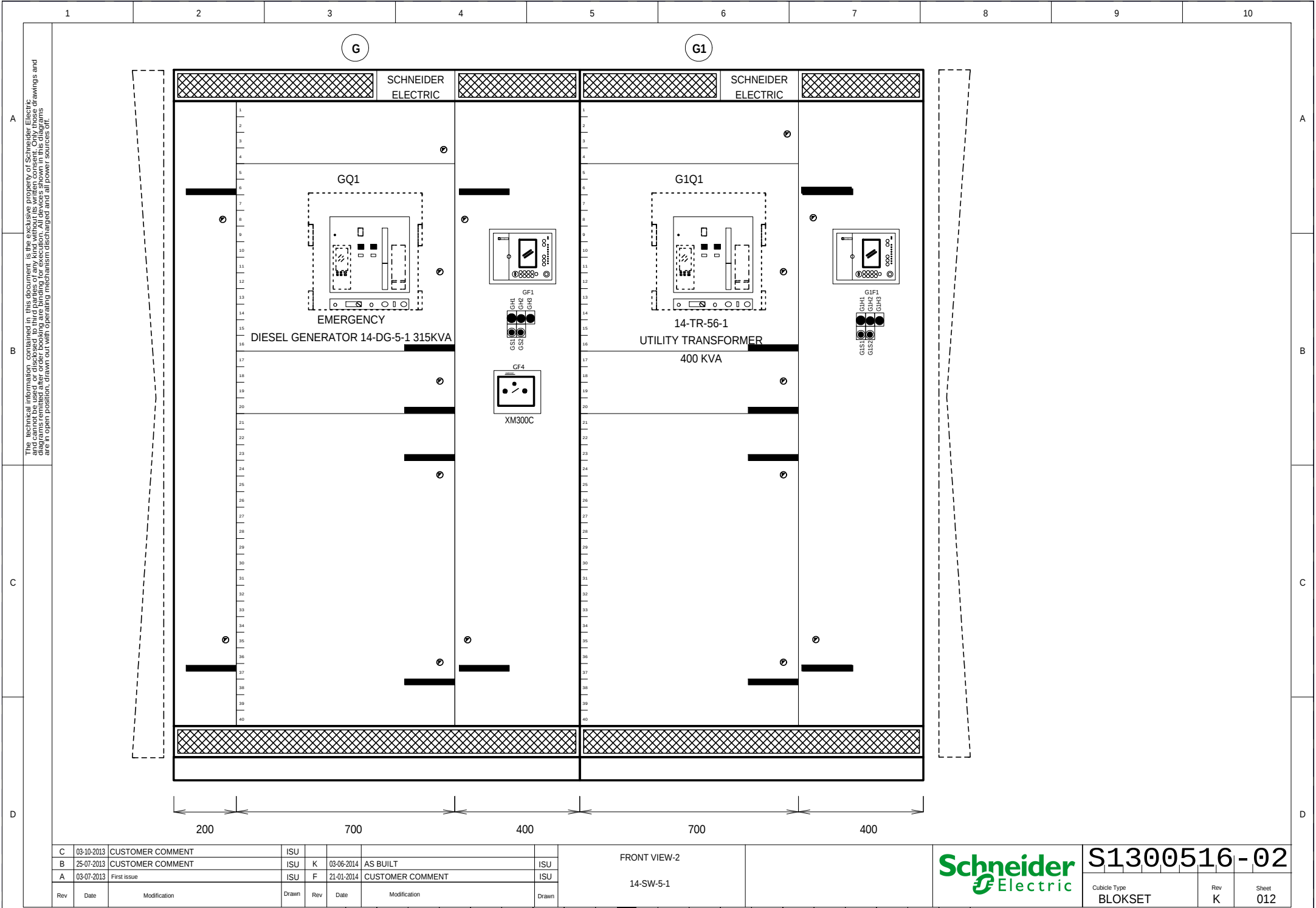
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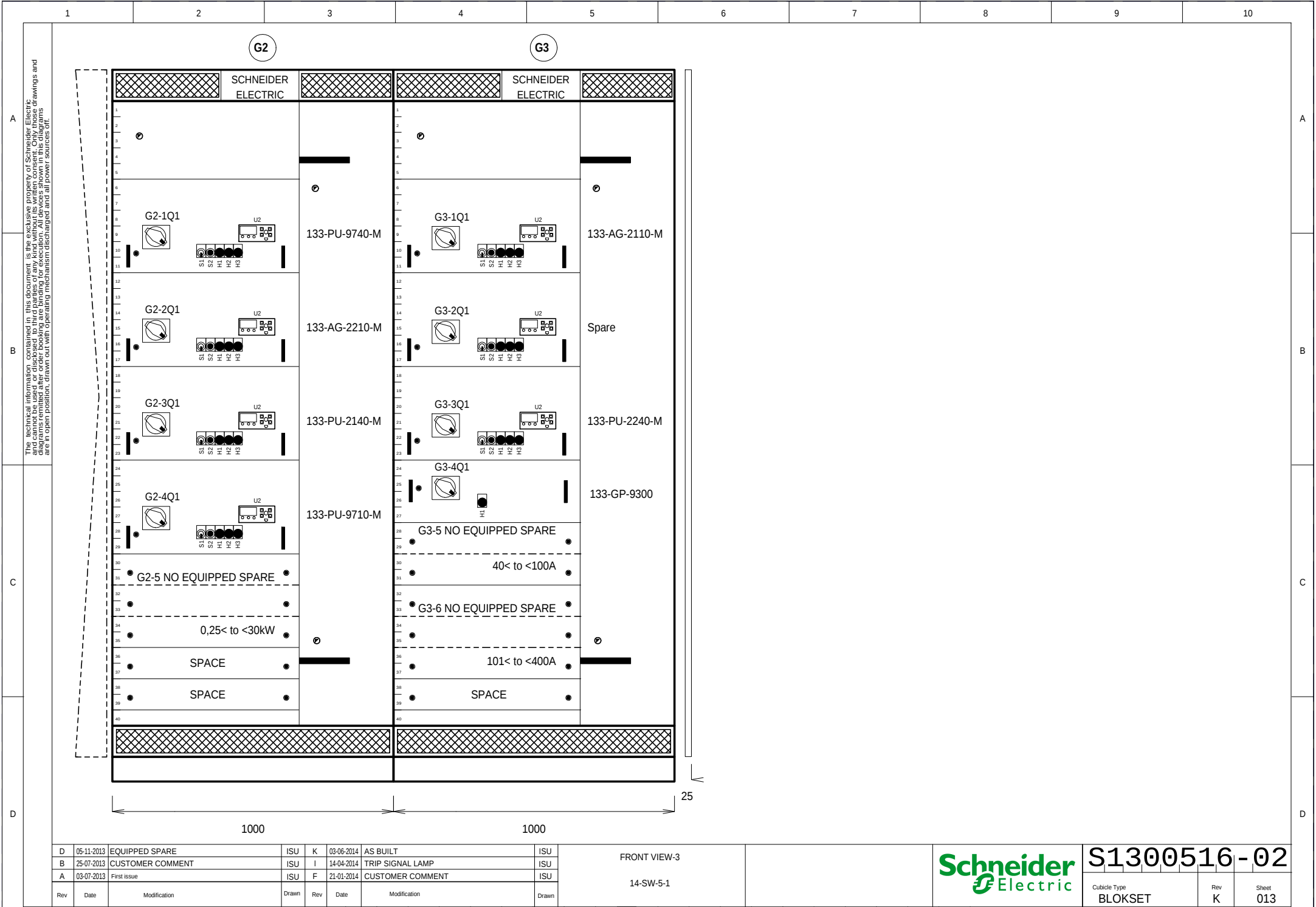


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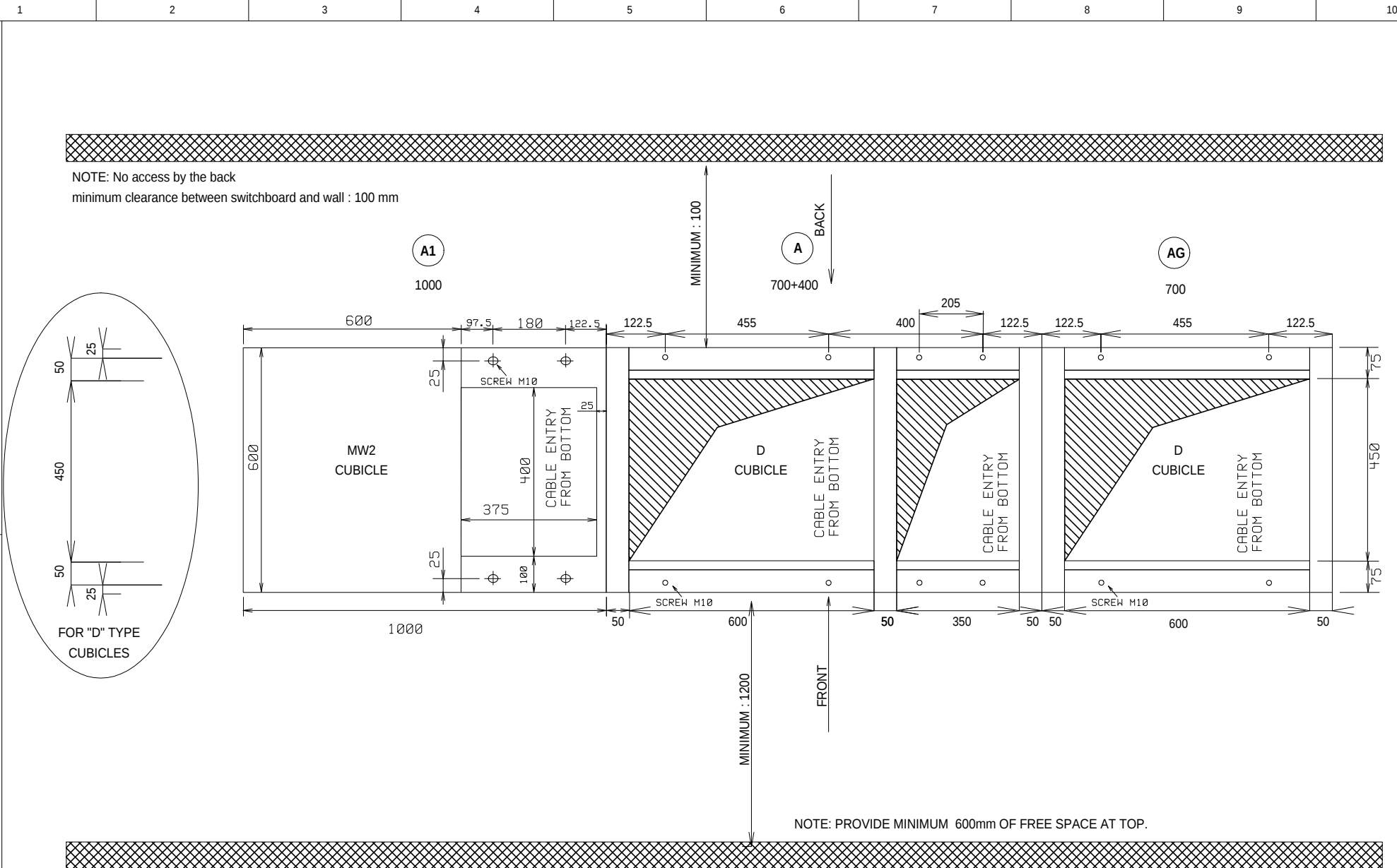








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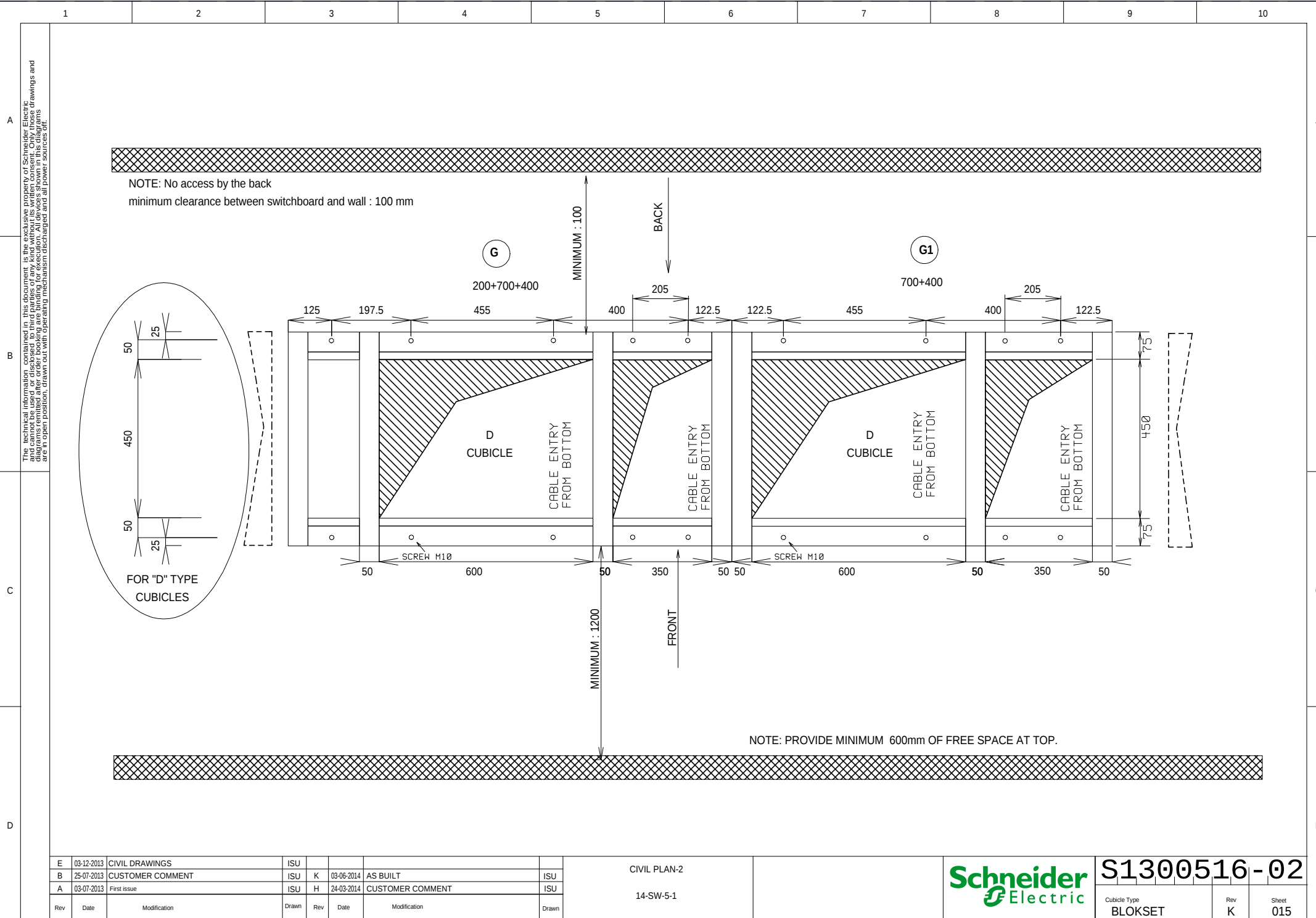
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CIVIL PLAN-1

14-SW-5-1

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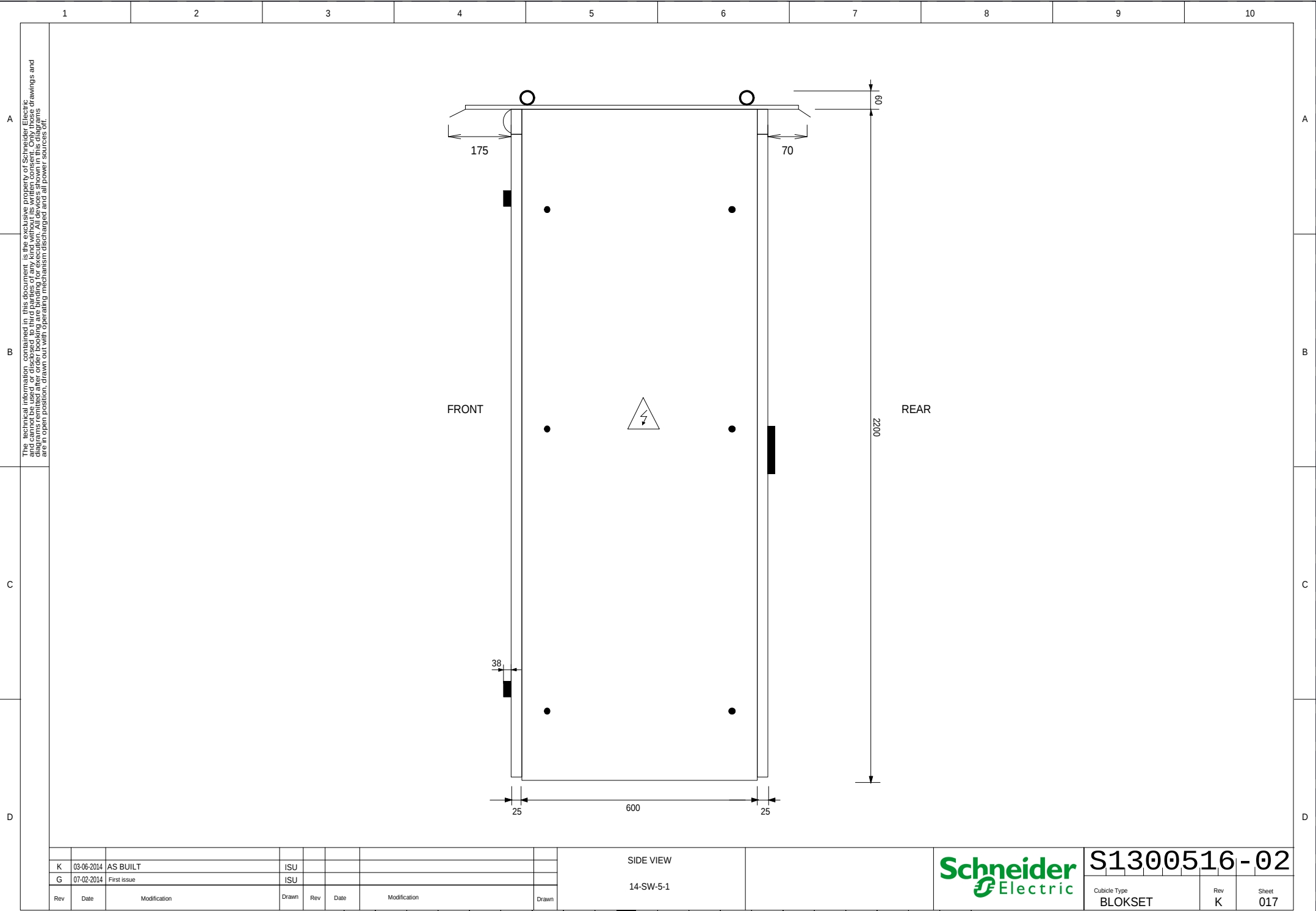
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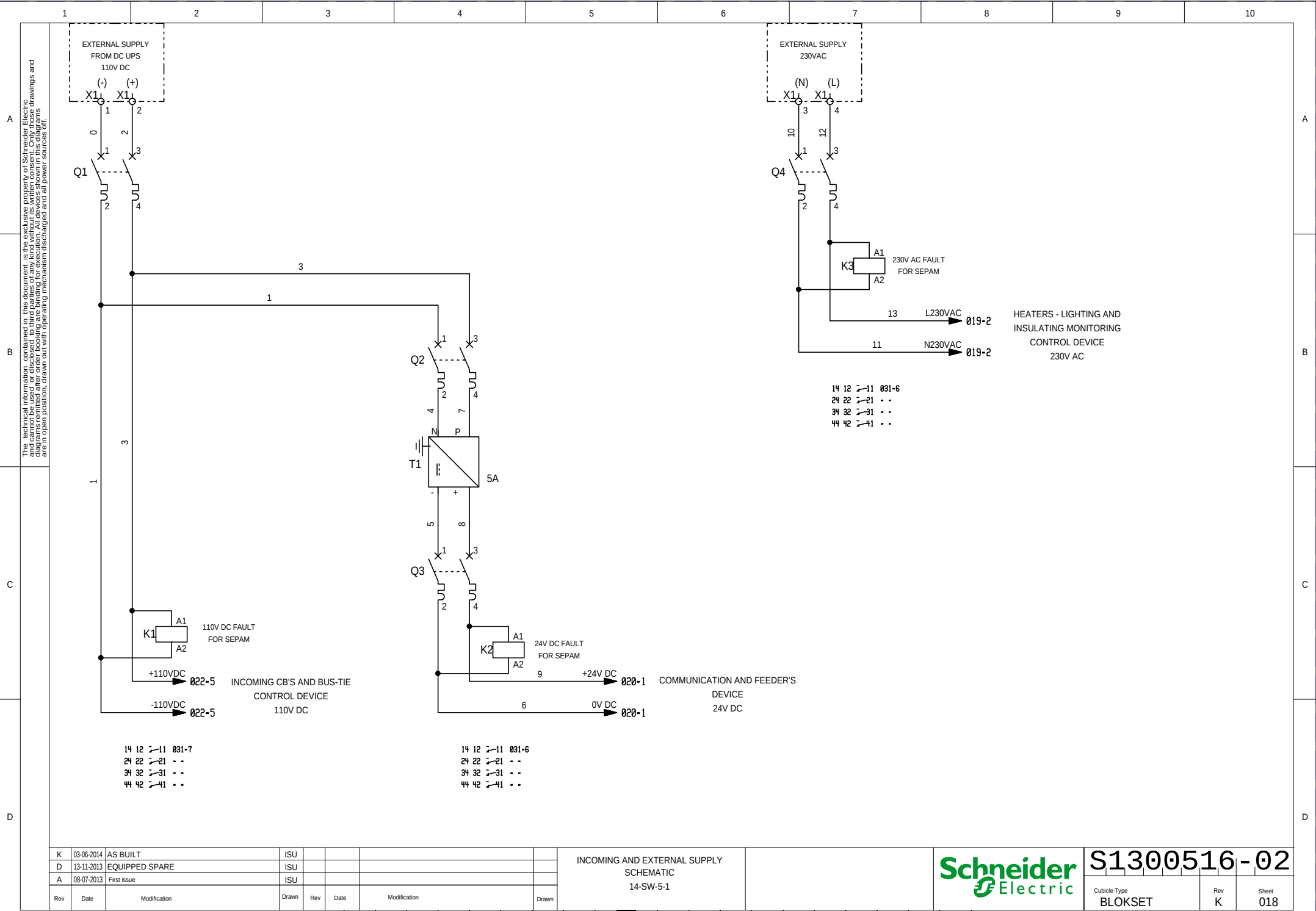


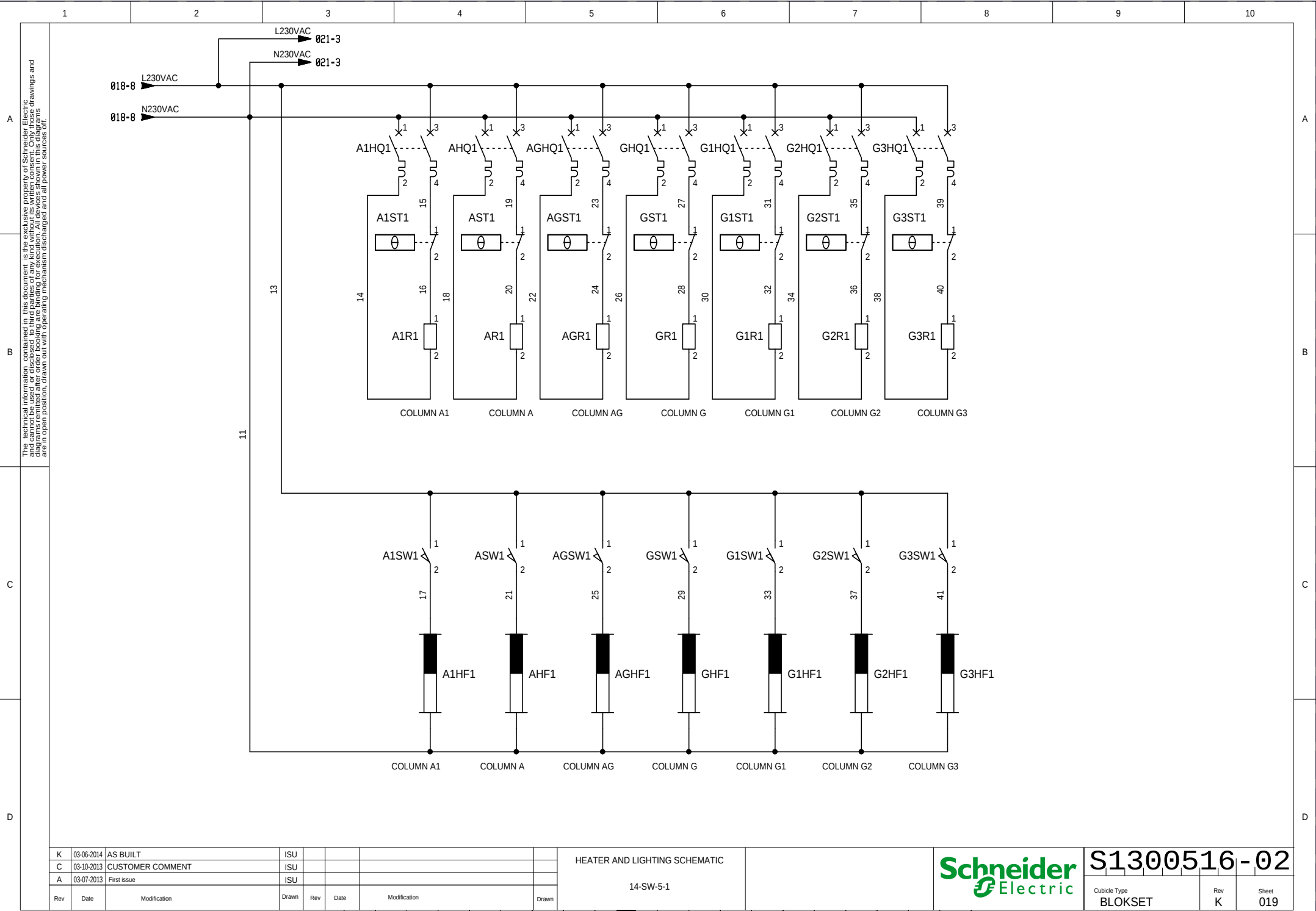
D



S1300516-02									
Cubicle Type BLOKSET					Rev K		Sheet 016		

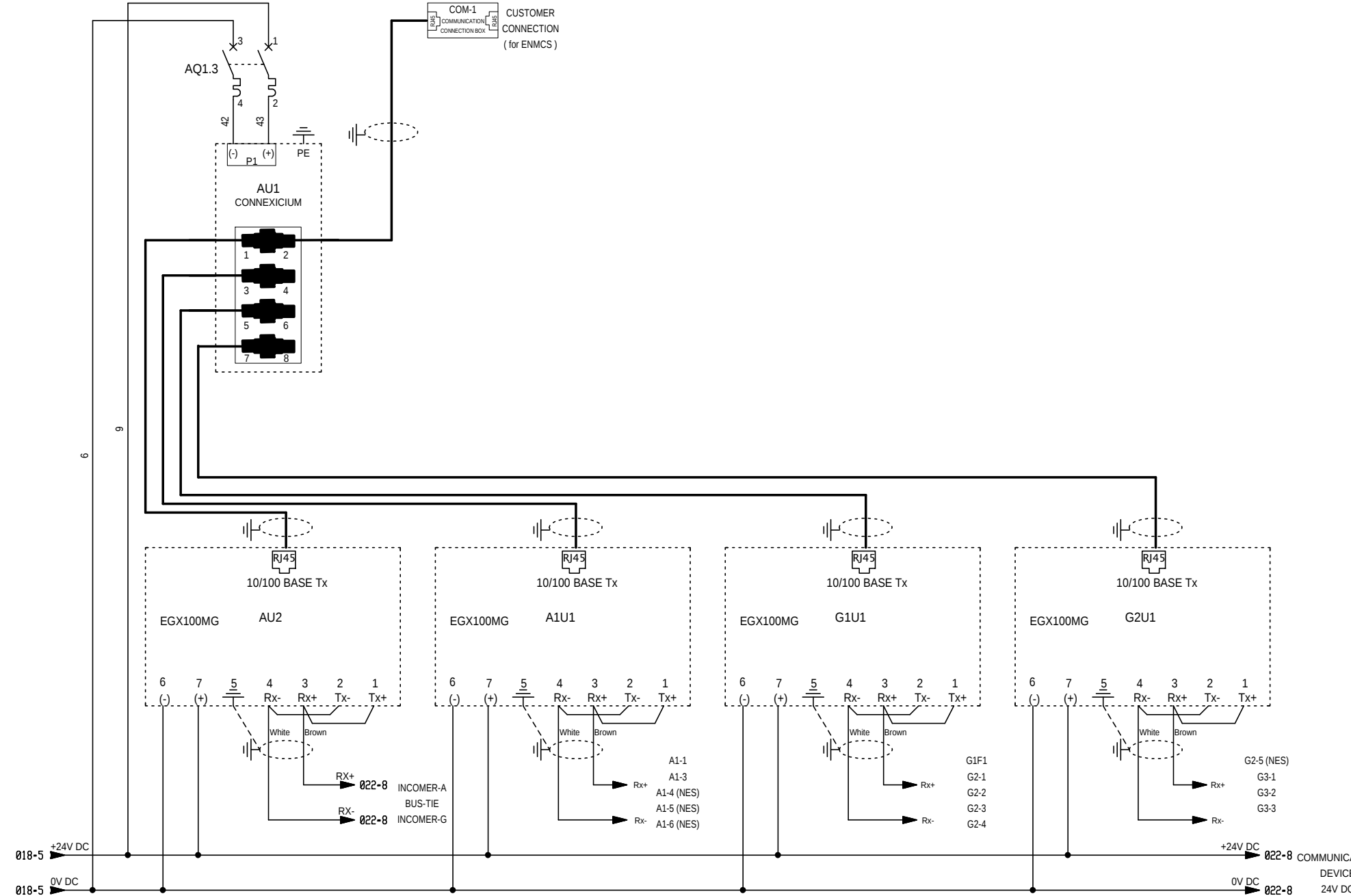






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1 2 3 4 5 6 7 8 9 10



F	21-01-2014	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
C	03-10-2013	CUSTOMER COMMENT	ISU	J	02-05-2014	CUSTOMER COMMENT	ISU
A	08-07-2013	First issue	ISU	H	24-03-2014	CUSTOMER COMMENT	ISU
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn

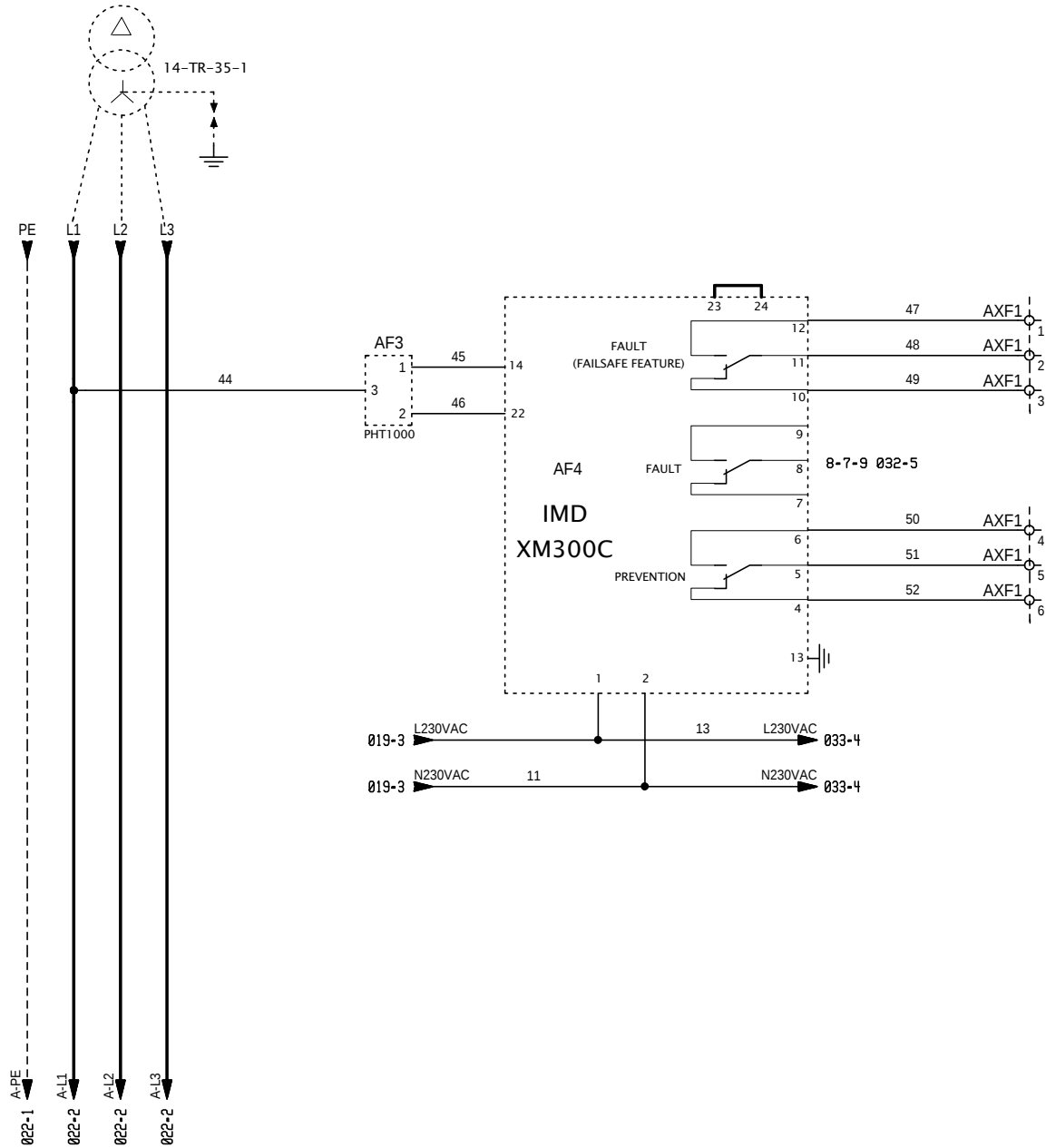
COMMUNICATION WIRING

14-SW-5-1



S1300516-02			
Cubicle Type	Rev	Sheet	
BLOCKSET	K	020	

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No fault:	1 st fault:	2 nd ault:
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0	1	1
1	0	0
0	1	1
1	0	0

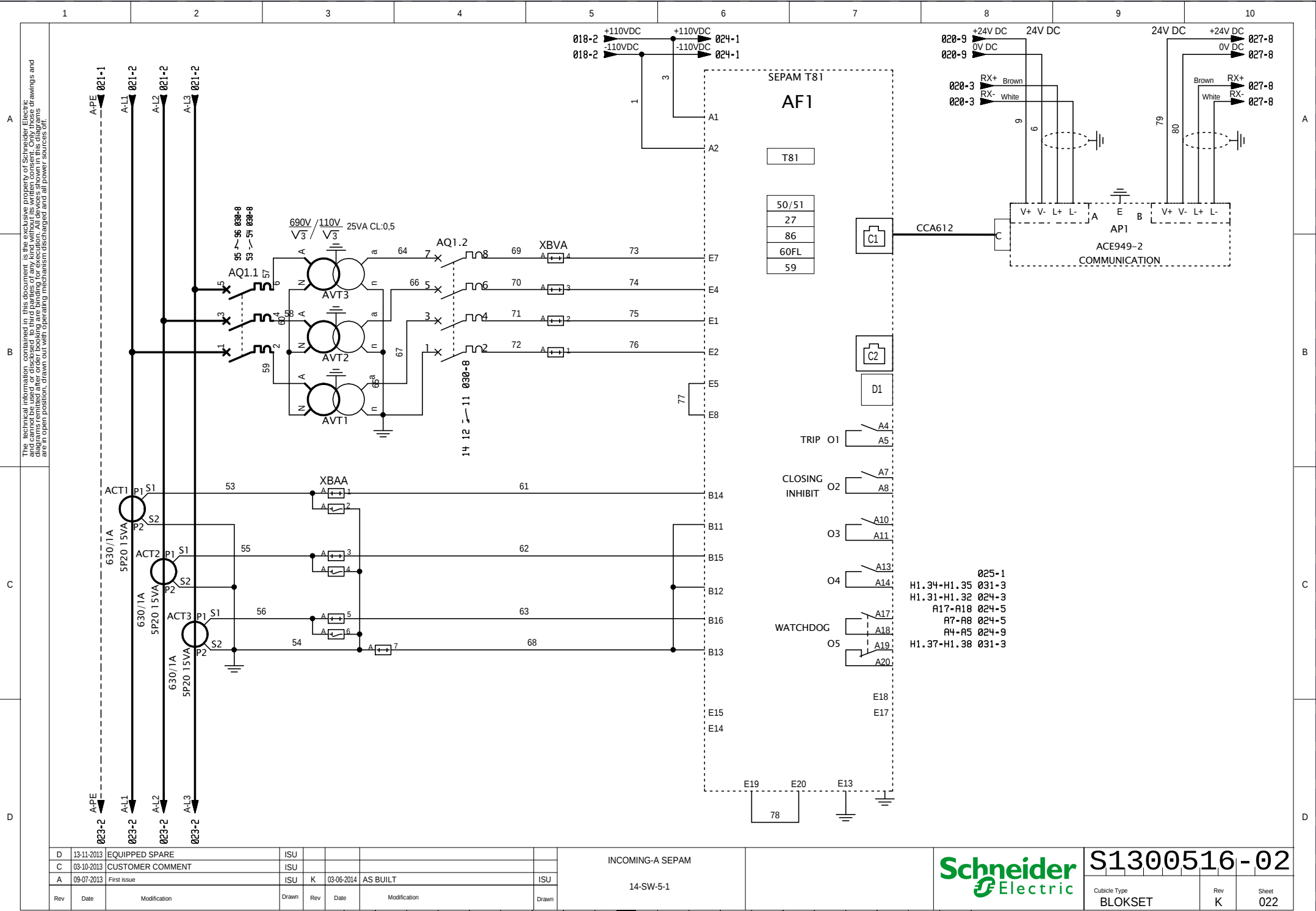
H	24-03-2014	CUSTOMER COMMENT	ISU				
C	03-10-2013	CUSTOMER COMMENT	ISU				
A	03-07-2013	First issue	ISU	K	03-06-2014	AS BUILT	ISU
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn

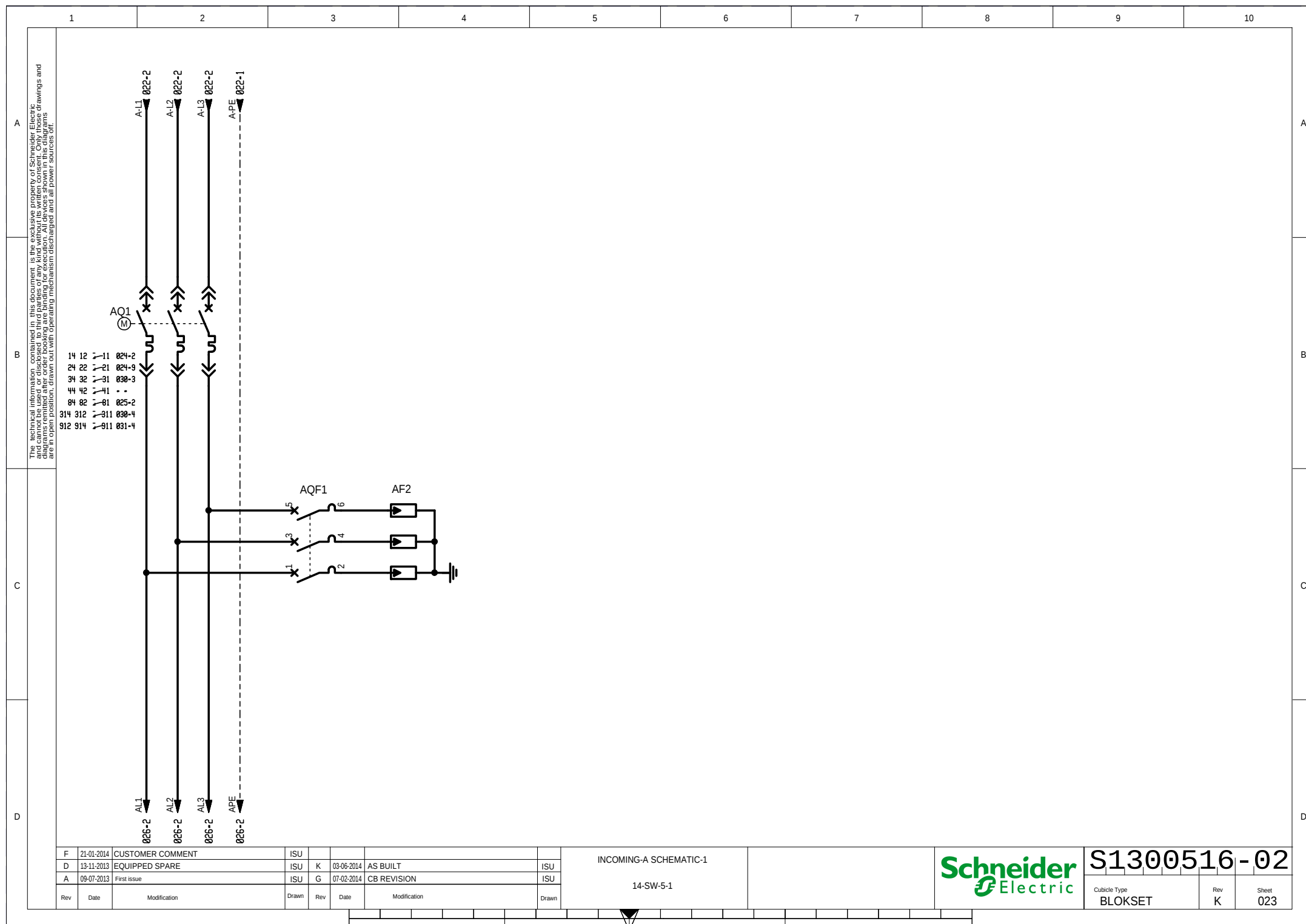
INCOMER-A SCHEMATIC-1

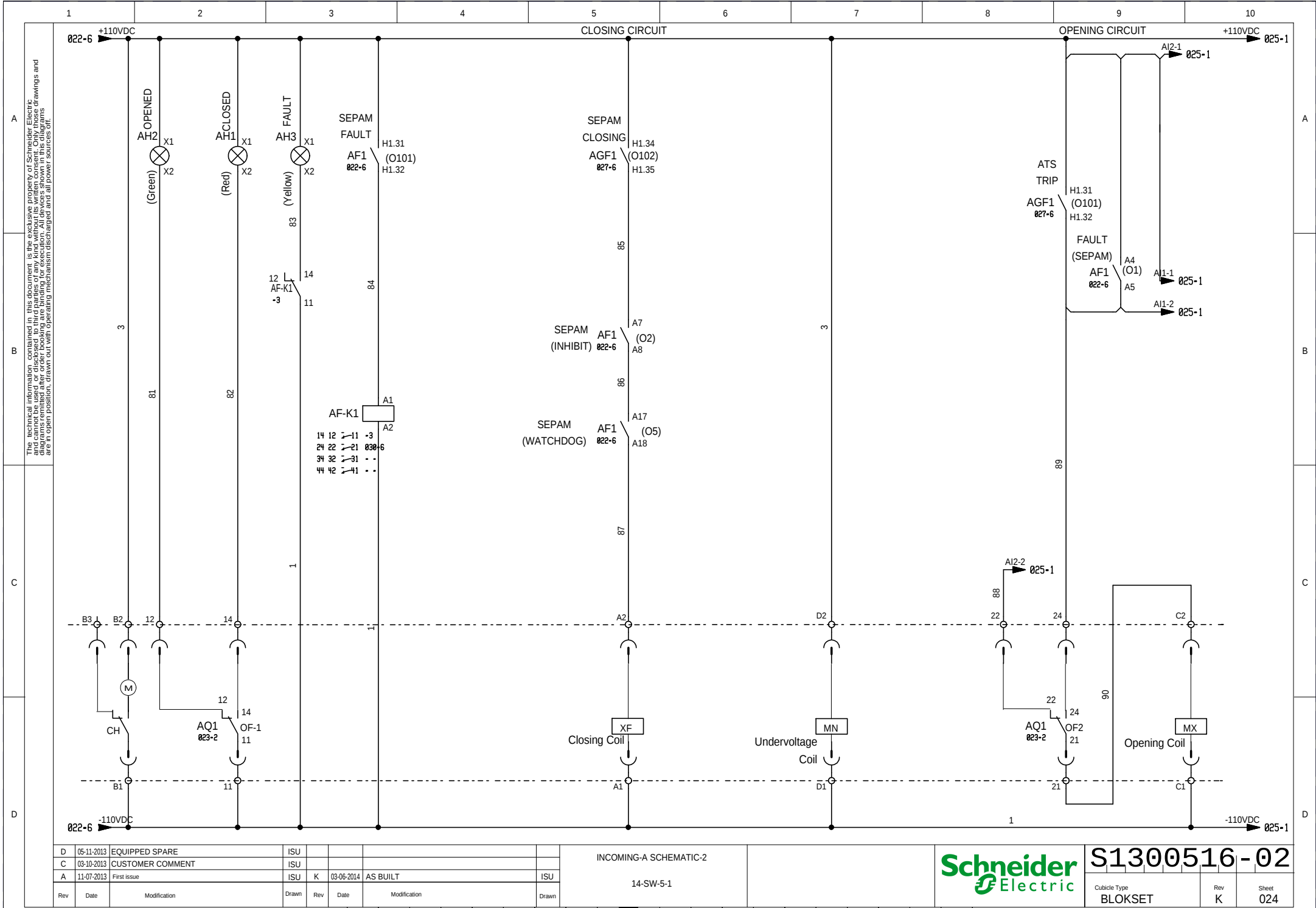
14-SW-5-1

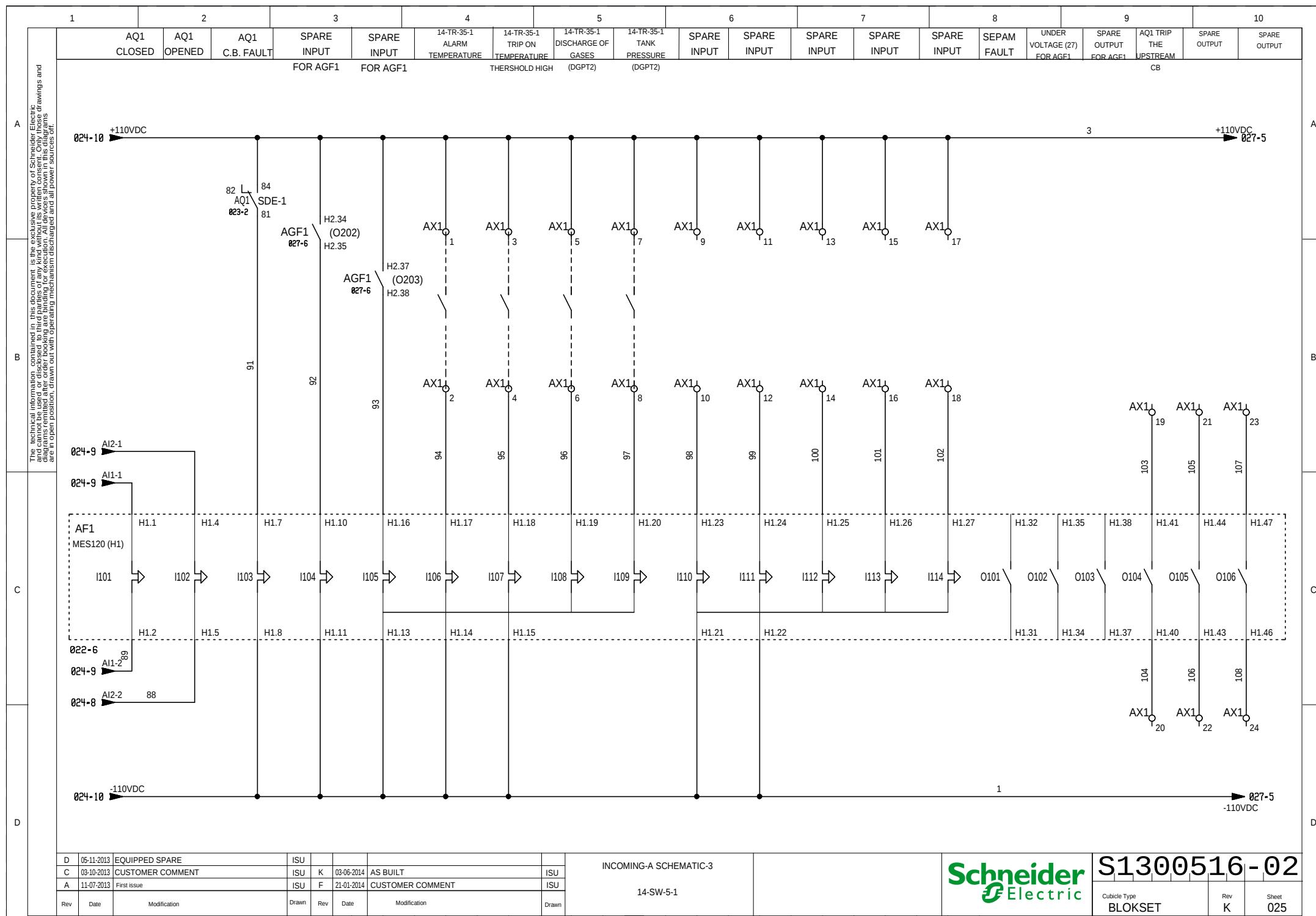


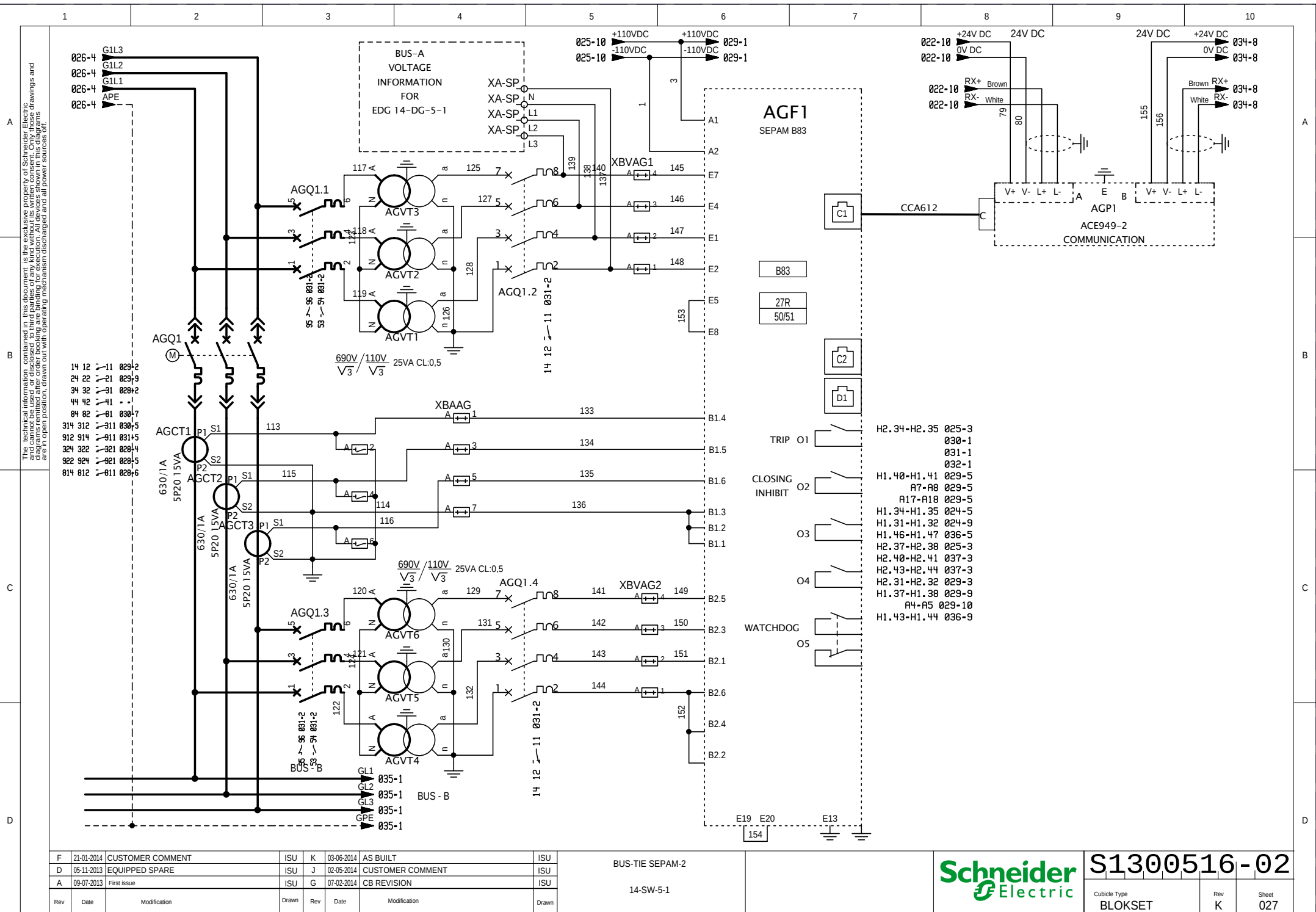
S1300516-02			
Cubicle Type	Rev	Sheet	
BLOKSET	K	021	

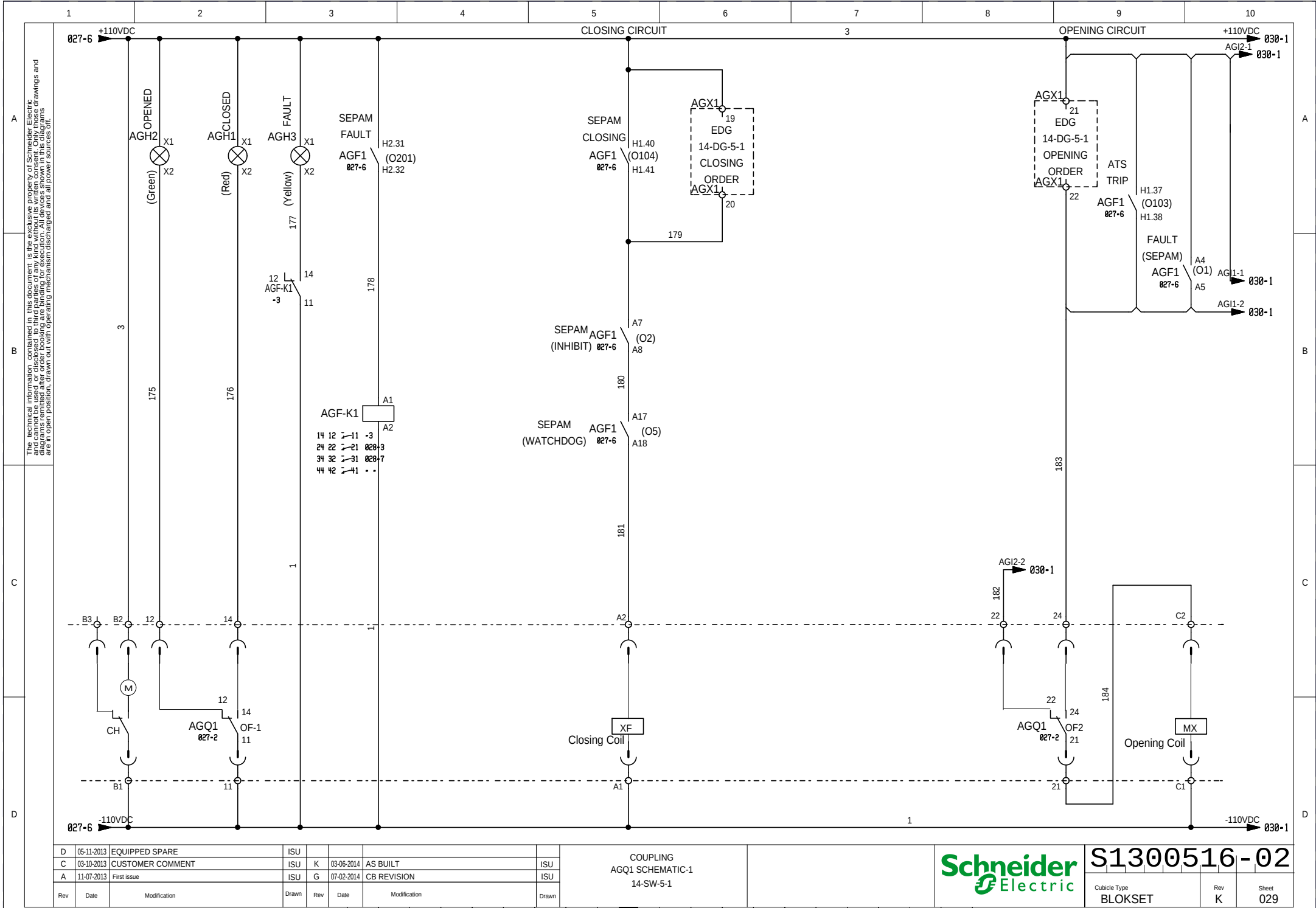


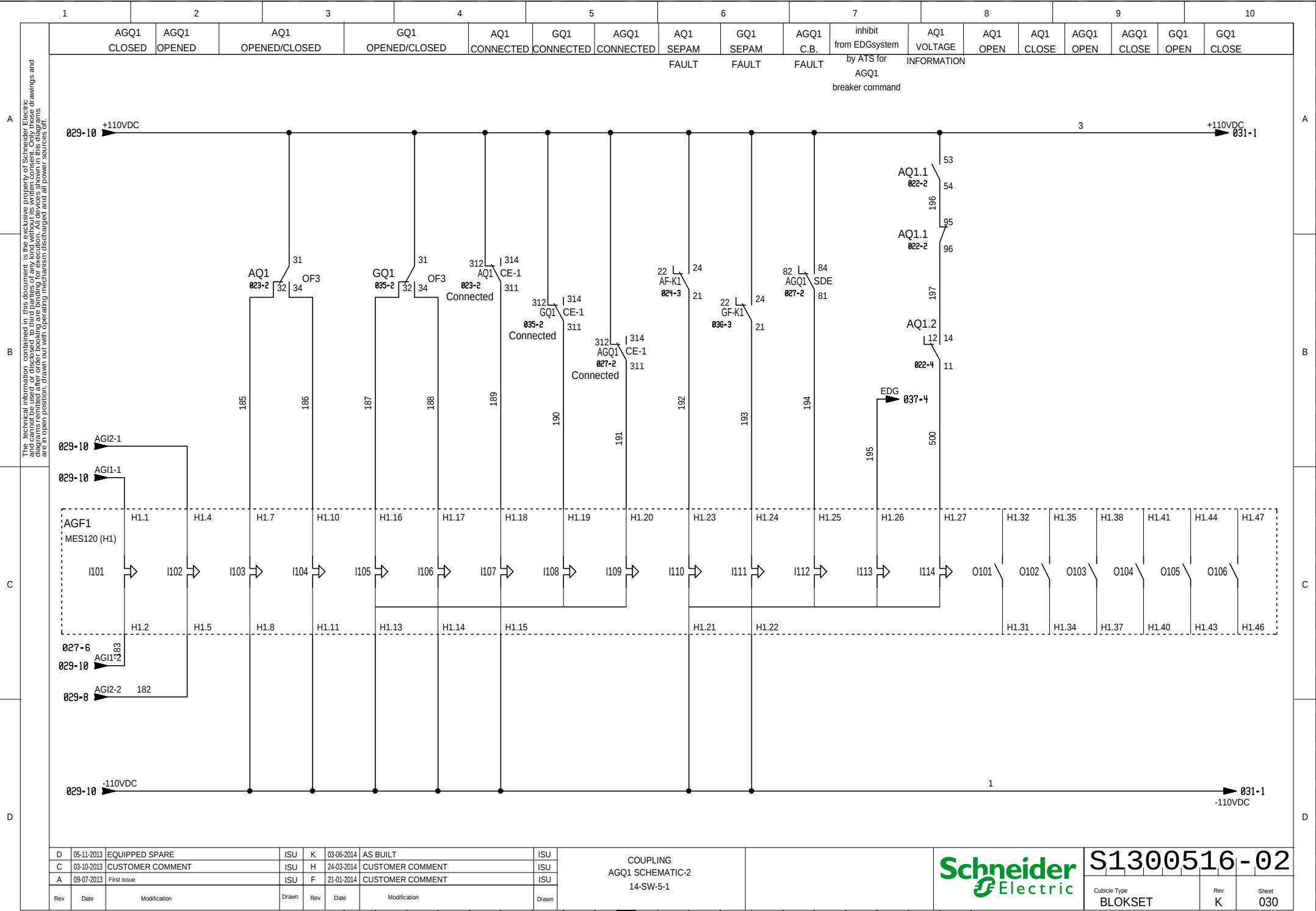


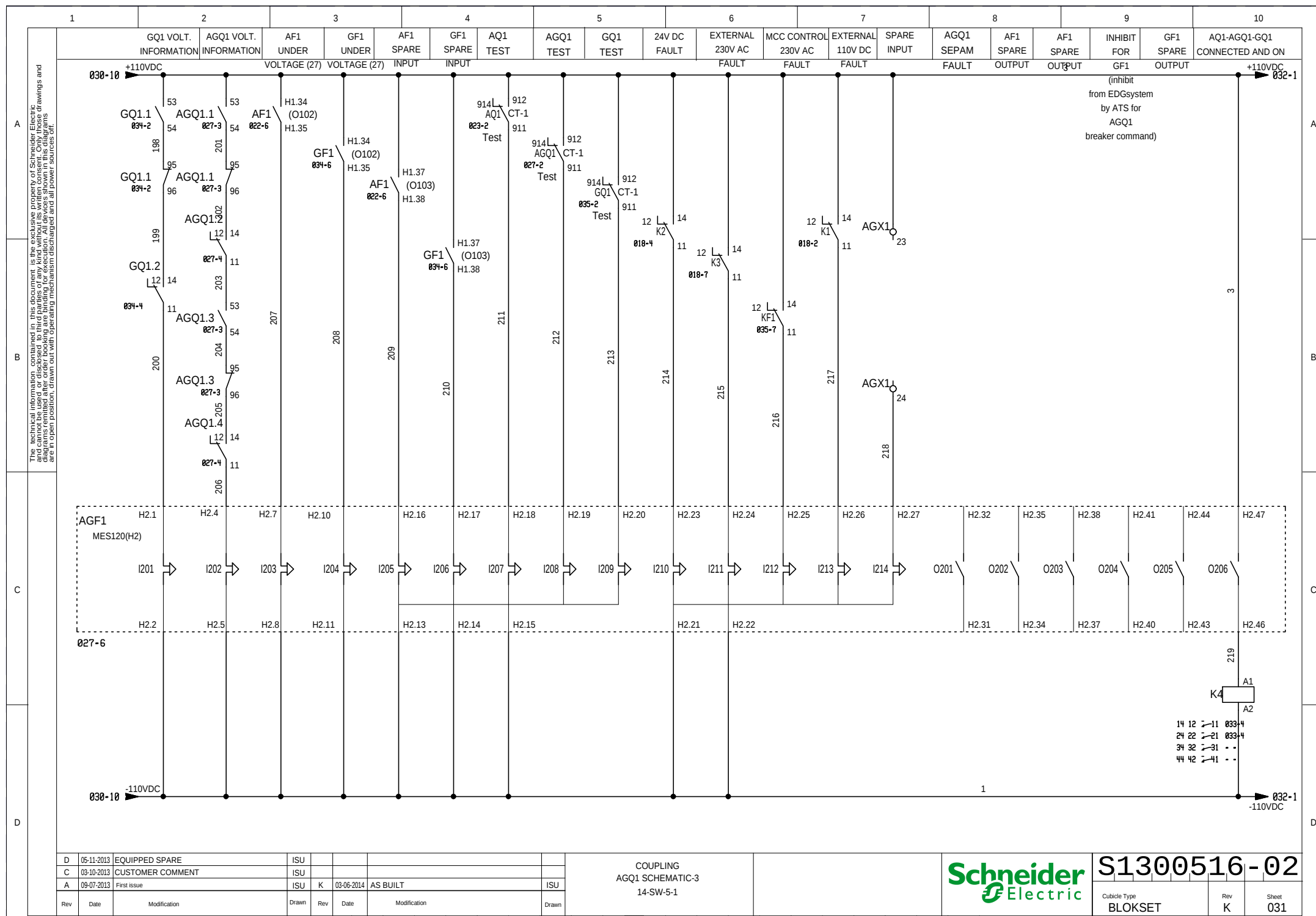


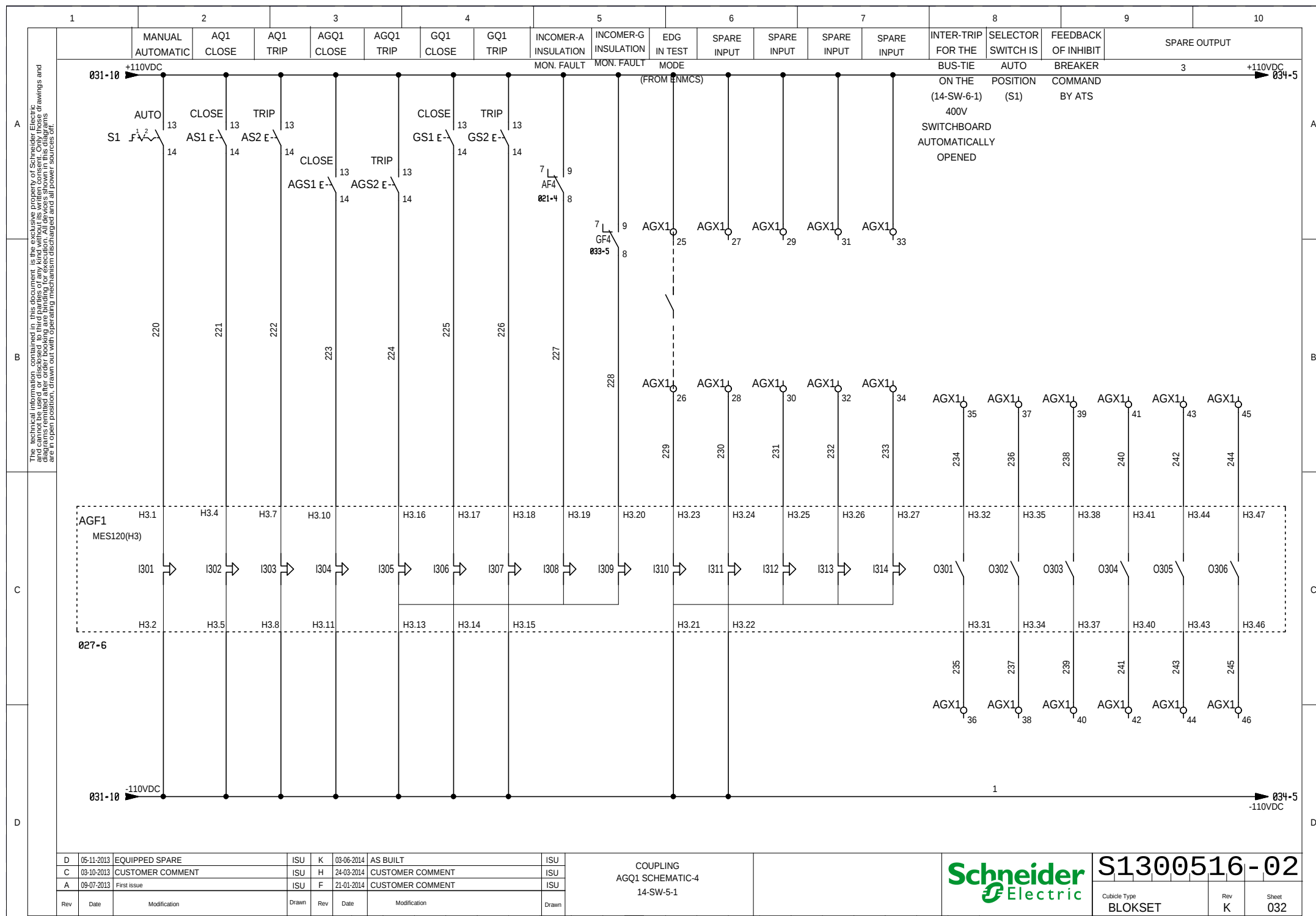


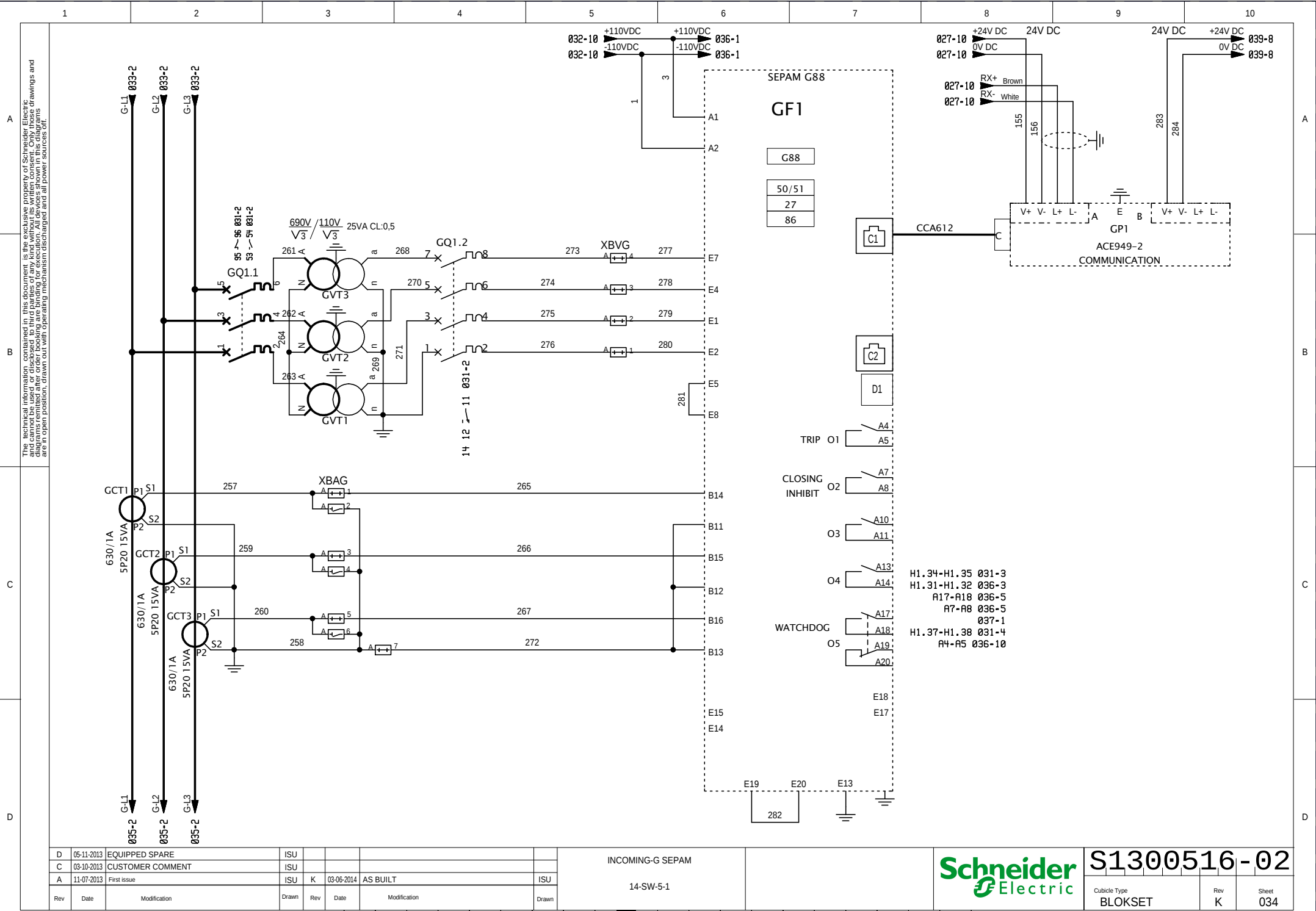


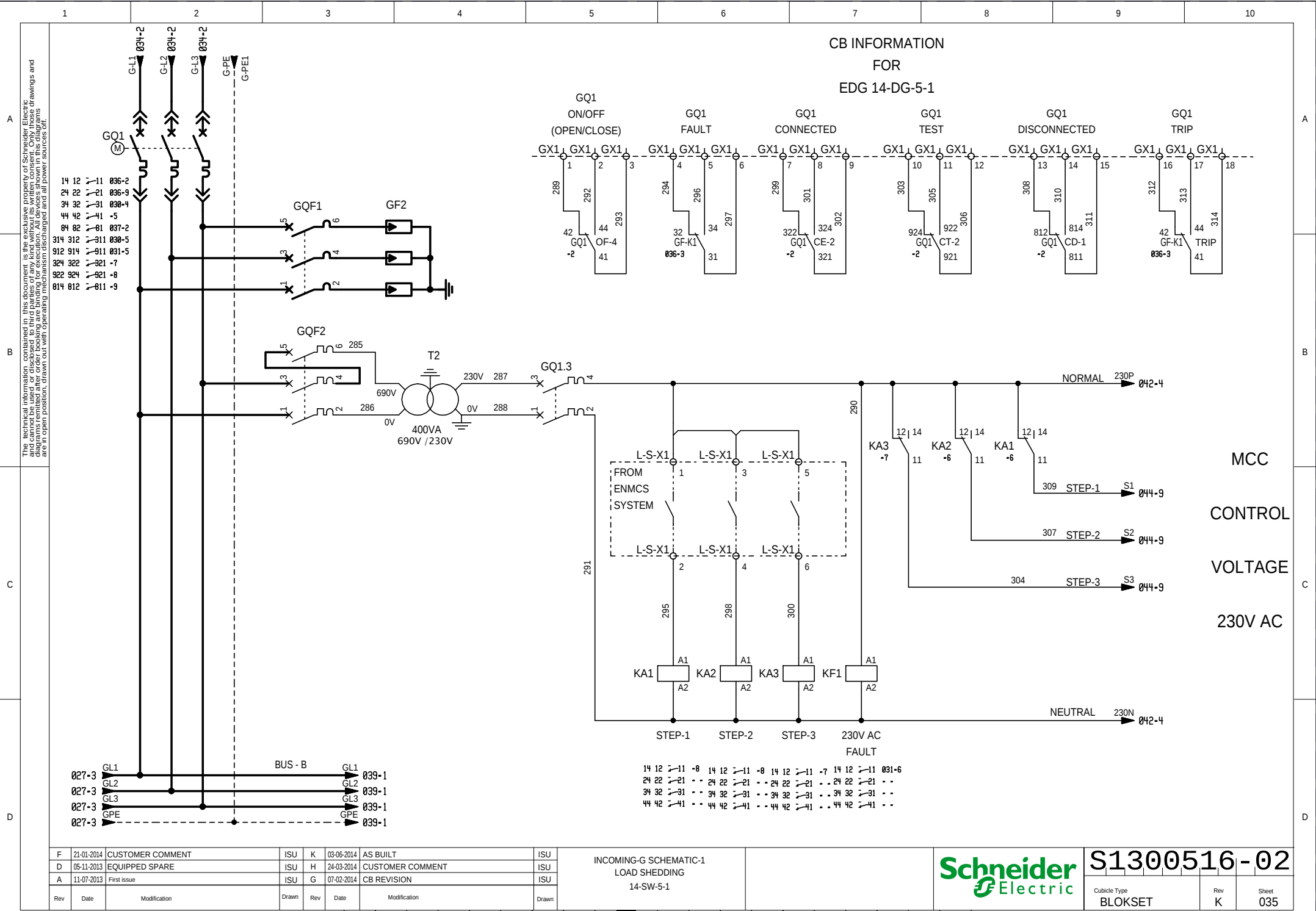


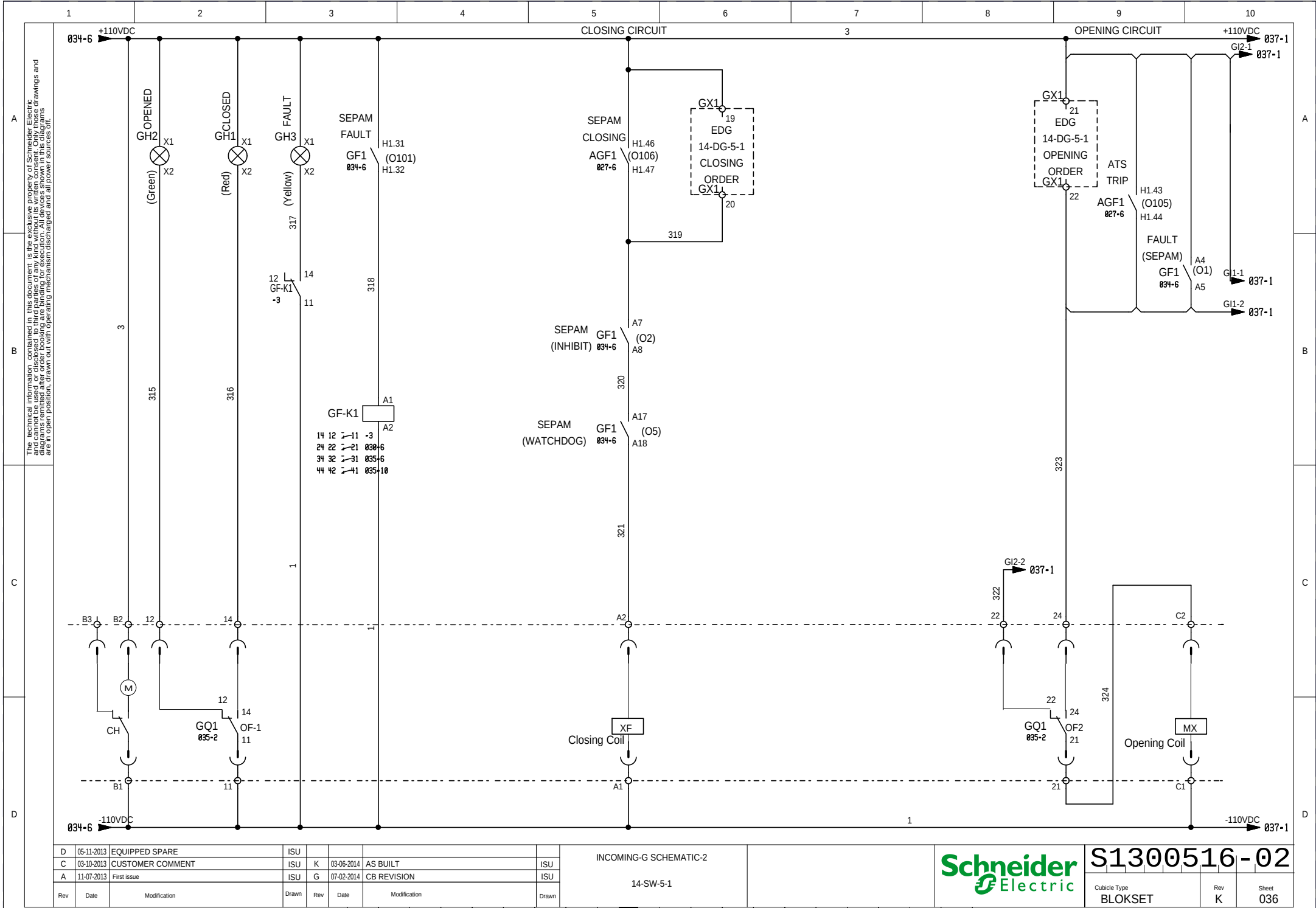


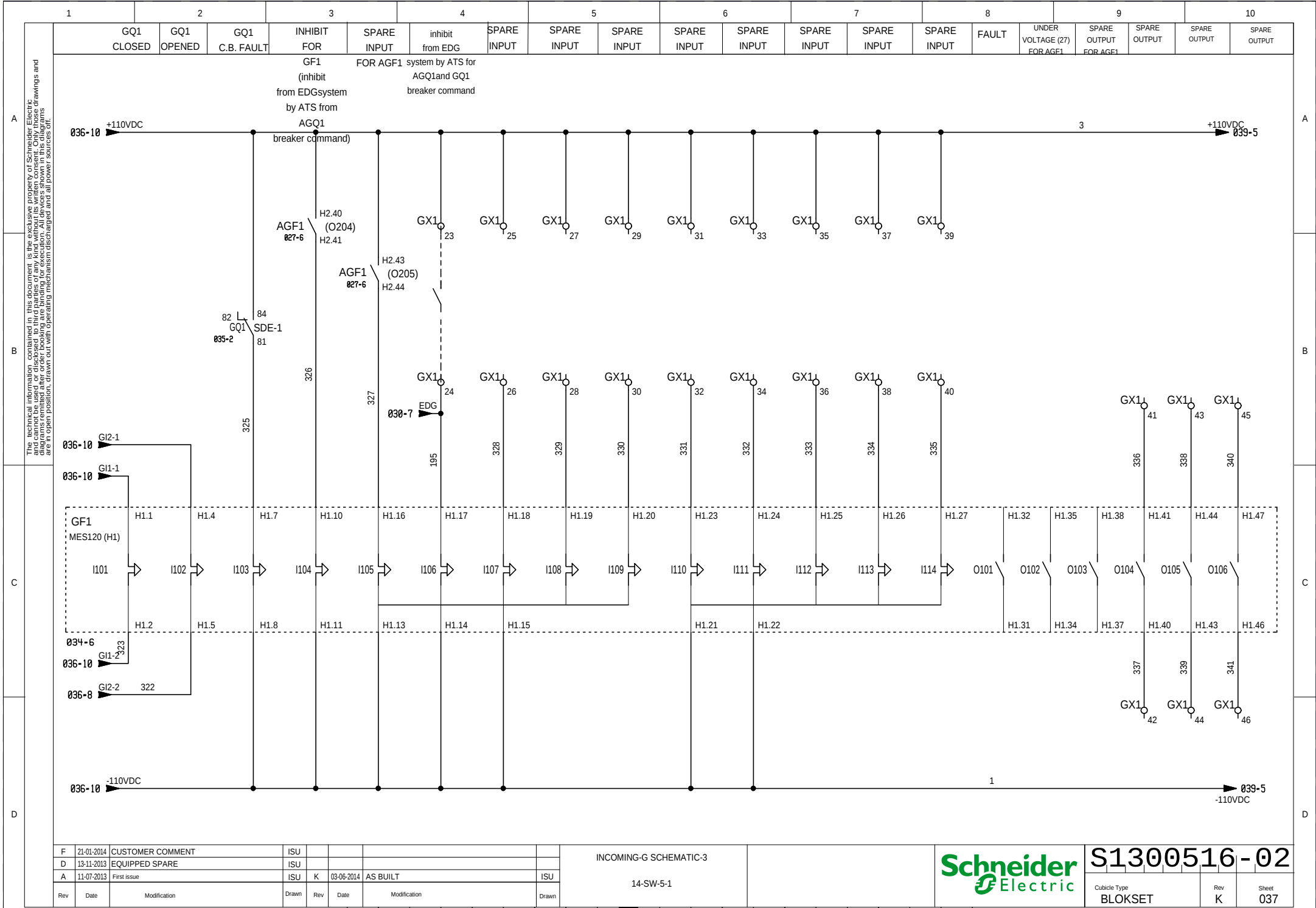






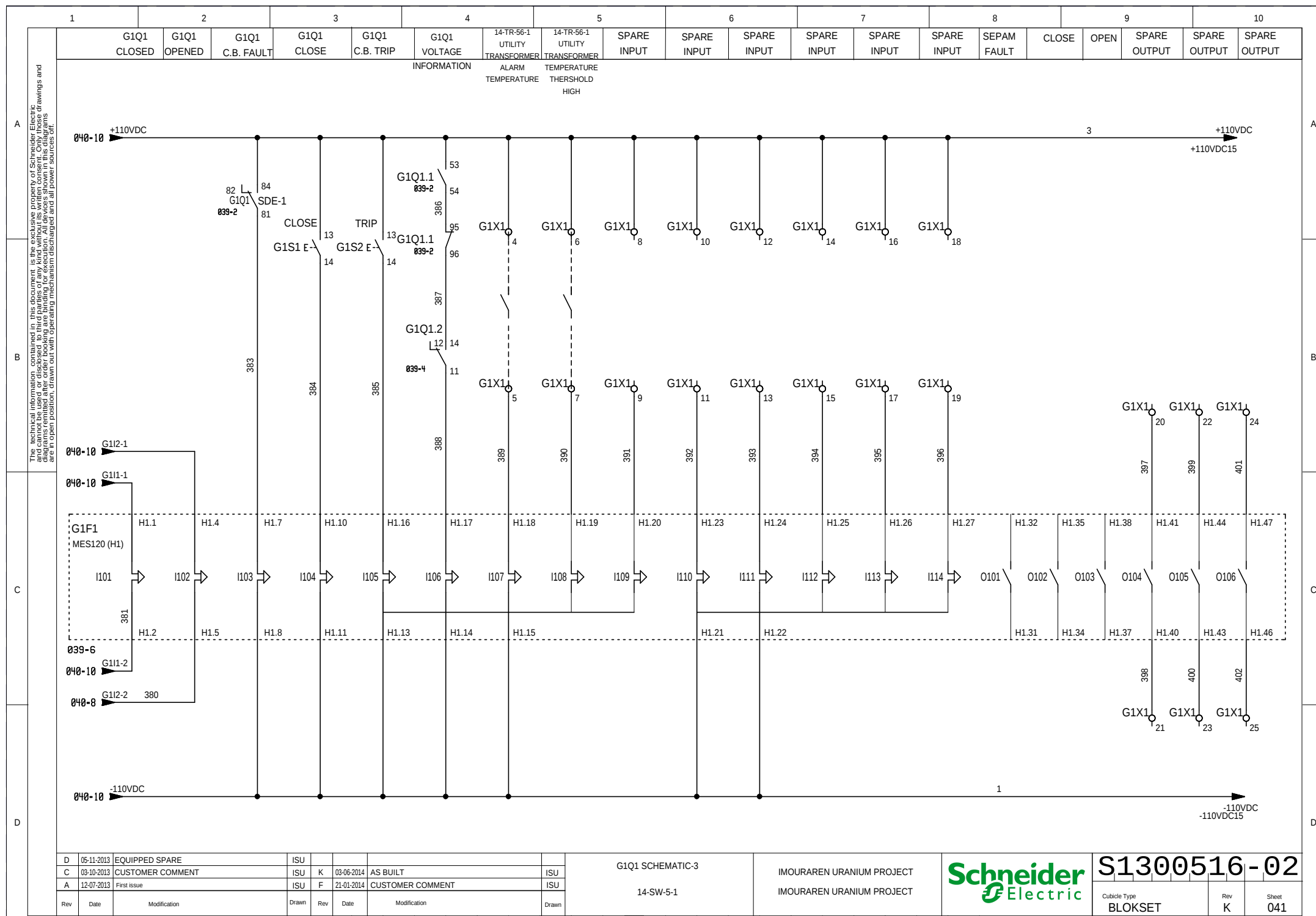




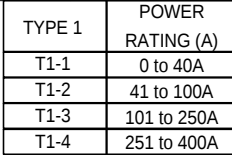


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	NO	FEEDER NO	POWER RATING		LOAD TYPE	TYPE	MISMATCHING COMBINATION	TAG NUMBER	TAG	WIRING SIZE (mm²)	CIRCUIT BREAKER TYPE
	1	A1-1 Q1	2,2 kW	3,2 A	MOTOR	TYPE2-1	D10	Spare	Spare	XXX	NSX100HB1 MA12.5
	2	A1-2 Q1	2,2 kW	2,17 A	FEEDER	TYPE1-1	D8	133-LP-9610	Potable Water Pump	4G 4 mm²	NSX100HB1 ML2.2 40A
	3	A1-3 Q1	5,5kW		MOTOR	TYPE2-1	D12	Spare	Spare	XXX	NSX100HB1 MA12.5
	4	A1-4	0,25< to <30kW		MOTOR	TYPE2		NO EQUIPPED SPARE	NO EQUIPPED SPARE	XXX	XXX
	5	A1-5	0,25< to <30kW		MOTOR	TYPE2		NO EQUIPPED SPARE	NO EQUIPPED SPARE	XXX	XXX
	6	A1-6	0,25< to <30kW		MOTOR	TYPE2		NO EQUIPPED SPARE	NO EQUIPPED SPARE	XXX	XXX
	7	G1 Q1	400 kVA	630 A	FEEDER			14-TR-56-1	UTILITY TRANSFORMER SS14 - 400 KVA	2 x (3x120) mm²	NW08H2 3P ML2.0A 800A
	8	G2-1 Q1	11 kW	12,5 A	MOTOR	TYPE2-3	D14	133-PU-9740-M	AREVA Pump Motor-TCHI-0028	4G 6 mm²	NSX100HB1 MA25
	9	G2-2 Q1	7,5 kW	8,5 A	MOTOR	TYPE2-2	D13	133-AG-2210-M	Amonium Nitrate Dissolution Tank 2 Agitator	4G 2,5 mm²	NSX100HB1 MA12.5
	10	G2-3 Q1	3 kW	3,8 A	MOTOR	TYPE2-1	D11	133-PU-2140-M	Aqueous phase Transfer pump 1	4G 2,5 mm²	NSX100HB1 MA12.5
	11	G2-4 Q1	3 kW	3,8 A	MOTOR	TYPE2-1	D11	133-PU-9710-M	Process Water Pump	4G 2,5 mm²	NSX100HB1 MA12.5
	12	G2-5	0,25< to <30kW		MOTOR	TYPE2		NO EQUIPPED SPARE	NO EQUIPPED SPARE	XXX	XXX
	13	G3-1 Q1	7,5 kW	8,5 A	MOTOR	TYPE2-2	D13	133-AG-2110-M	Amonium Nitrate Dissolution Tank 1 Agitator	4G 2,5 mm²	NSX100HB1 MA12.5
	14	G3-2 Q1	7,5 kW		MOTOR	TYPE2-2	D13	Spare	Spare	XXX	NSX100HB1 MA12.5
	15	G3-3 Q1	3 kW	3,8 A	MOTOR	TYPE2-1	D11	133-PU-2240-M	Aqueous phase Transfer pump 2	4G 2,5 mm²	NSX100HB1 MA12.5
	16	G3-4 Q1	90 kW	75 A	FEEDER	TYPE1-2	D9	133-GP-9300	Compressed Air Package Feeder	3x120+70 mm²	NSX100HB1 ML2.2 100A
	17	G3-5 Q1		40< to <100A	FEEDER	TYPE1		NO EQUIPPED SPARE	NO EQUIPPED SPARE	XXX	XXX
	18	G3-6 Q1		101< to <400A	FEEDER	TYPE1		NO EQUIPPED SPARE	NO EQUIPPED SPARE	XXX	XXX

D	13-11-2013	EQUIPPED SPARE	ISU	K	03-06-2014	AS BUILT	ISU	OUTGOING LIST				S1300516-02		
C	03-10-2013	CUSTOMER COMMENT	ISU	H	24-03-2014	CUSTOMER COMMENT	ISU							
A	15-07-2013	First issue	ISU	G	07-02-2014	CB REVISION	ISU							
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn	14-SW-5-1				Cubicle Type BLOKSET	Rev K	Sheet 038



D



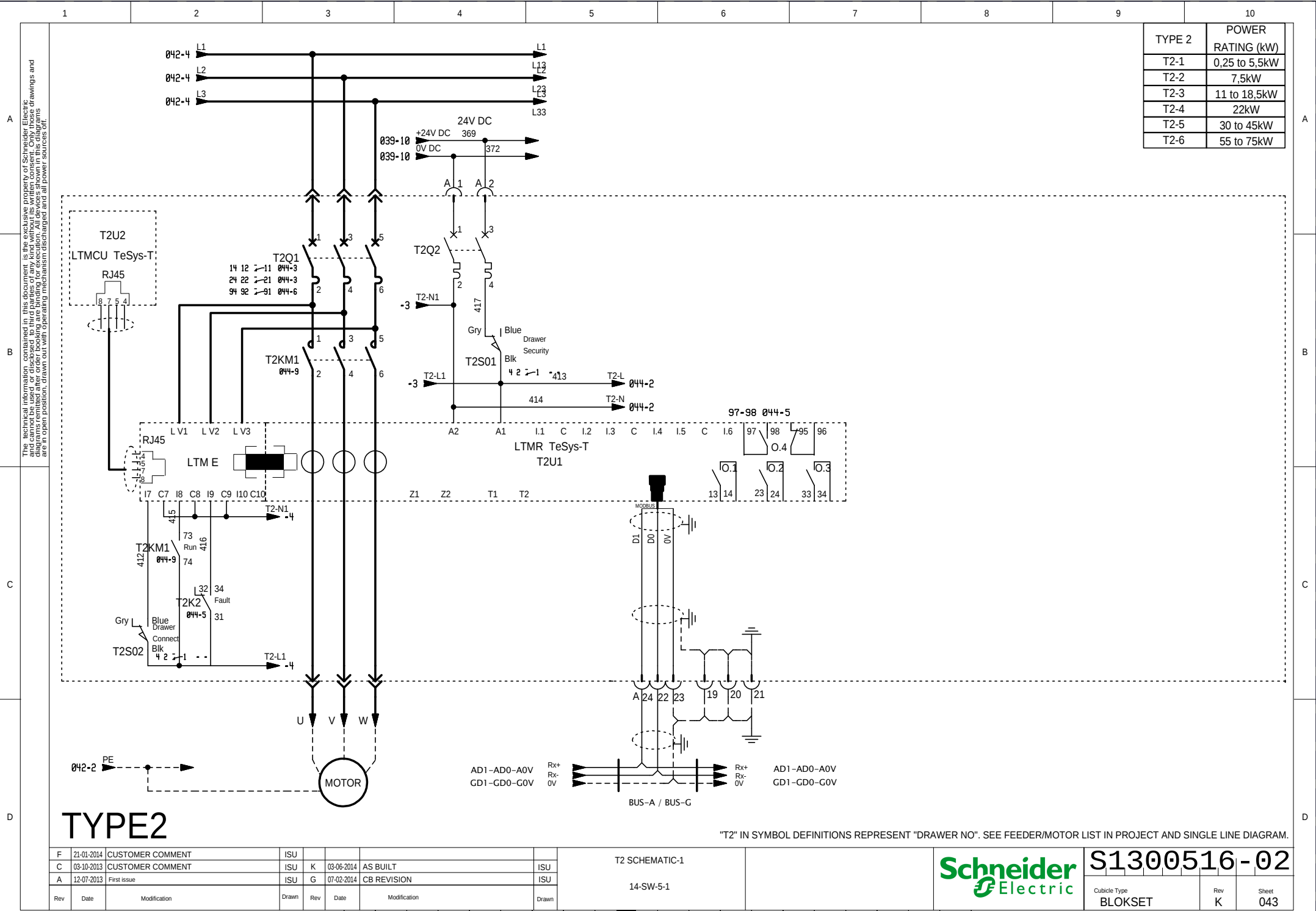
"T1" IN SYMBOL DEFINITIONS REPRESENT "DRAWER NO". SEE FEEDER/MOTOR LIST IN PROJECT AND SINGLE LINE DIAGRAM.

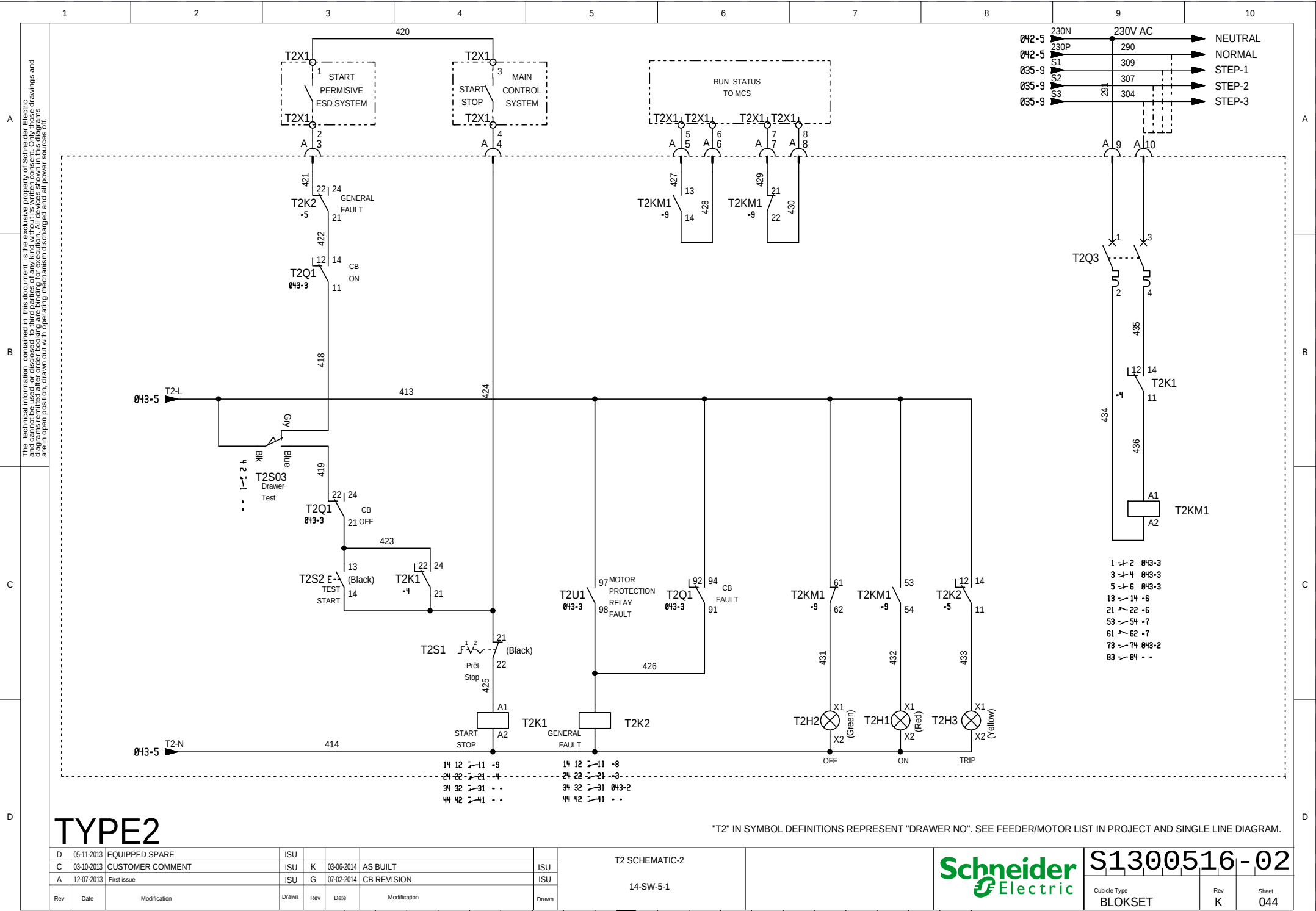
T1 SCHEMATIC

14-SW-5-1

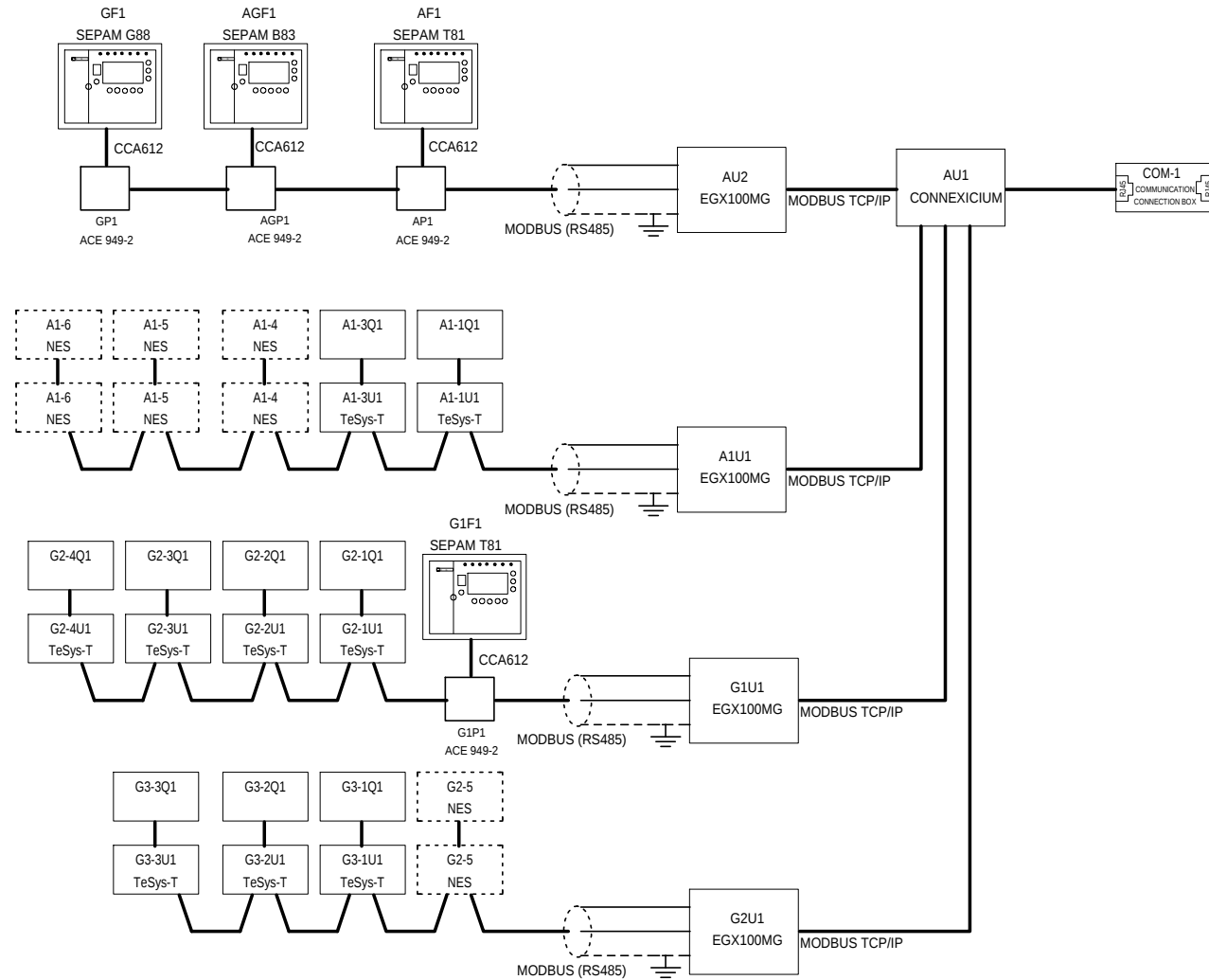


S1300516-02									
Cubicle Type BLOKSET					Rev K		Sheet 042		





INCOMING AND FEEDERS COMMUNICATION WIRING



D	13-11-2013	EQUIPPED SPARE	ISU	K	03-06-2014	AS BUILT	ISU
C	03-10-2013	CUSTOMER COMMENT	ISU	H	24-03-2014	CUSTOMER COMMENT	ISU
A	15-07-2013	First issue	ISU	F	21-01-2014	CUSTOMER COMMENT	ISU
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn

COMMUNICATION SCHEMATIC
MODBUS
14-SW-5-1



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Cubicle Type BLOKSET	Rev K	Sheet 045	

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		SYMBOL	REFERENCE	DESIGNATION						MANUFACTURER	PAGE		
		A1HF1	56160005	FLUORESCENT 250VAC- 8W JE108						JUPITER	019		
		A1HQ1	A9F84201	ACTI 9 iC60H 2P 1A MINIATURE CIRCUIT BREAKER						SCHNEIDER ELECTRIC	019		
		A1R1	ESG0031	HEATER 75W 220VAC						DURMAZLAR REZISTANS	019		
		A1ST1	NSYCCOTHC	THERMOSTAT +0C - +60C 120-250VAC FOR RESISTANCE						SCHNEIDER ELECTRIC	019		
		A1SW1	56160003	DOOR CONTACT						EMAS	019		
		A1U1	EGX100MG	ETHERNET GATEWAY						SCHNEIDER ELECTRIC	020		
		ACT1	OAD-4 630-1 52 15	CURRENT TRF. ARD-4 630/1 Ci:5P20 15VA TROPICAL						ALCE	022		
		ACT2	OAD-4 630-1 52 15	CURRENT TRF. ARD-4 630/1 Ci:5P20 15VA TROPICAL						ALCE	022		
B		ACT3	OAD-4 630-1 52 15	CURRENT TRF. ARD-4 630/1 Ci:5P20 15VA TROPICAL						ALCE	022		
		AF1	SEPAMT81	PROTECTION RELAY SEPAM T81						SCHNEIDER ELECTRIC	022		
			59715	SEPAM MES120 14 INPUT / 6 OUTPUT MODULE						SCHNEIDER ELECTRIC	022		
			59715	SEPAM MES120 14 INPUT / 6 OUTPUT MODULE						SCHNEIDER ELECTRIC	022		
		AF2	PHOENIX-2800531	SURGE ARRESTER 690V AC TYPE-1 3P TN-C/IT EARTHING SYSTEM						PHOENIX	023		
		AF3	50248	VIGILOHM SYSTEM PHT 1000						SCHNEIDER ELECTRIC	021		
		AF4	50541	VIGILOHM SYSTEM XM300C 200-240VAC						SCHNEIDER ELECTRIC	021		
		AF-K1	RXM4AB1FD	AUXILIARY RELAY 110VDC 4 CHANGE-OVER CONTACTS , 6A						SCHNEIDER ELECTRIC	024		
			RXZE2M114M	14 PIN SOCKET FOR RX RELAY						SCHNEIDER ELECTRIC	024		
			RXM040W	AUXILIARY RELAY PROTECTION DIODE						SCHNEIDER ELECTRIC	024		
C		AGCT1	OAD-4 630-1 52 15	CURRENT TRF. ARD-4 630/1 Ci:5P20 15VA TROPICAL						ALCE	027		
		AGCT2	OAD-4 630-1 52 15	CURRENT TRF. ARD-4 630/1 Ci:5P20 15VA TROPICAL						ALCE	027		
		AGCT3	OAD-4 630-1 52 15	CURRENT TRF. ARD-4 630/1 Ci:5P20 15VA TROPICAL						ALCE	027		
		AGCT4	SAB81 630-1 05 10	CURRENT TRF. ADB81 630/1 Ci:0.5 10VA TROPICAL						ALCE	026		
		AGCT5	SAB81 630-1 05 10	CURRENT TRF. ADB81 630/1 Ci:0.5 10VA TROPICAL						ALCE	026		
		AGCT6	SAB81 630-1 05 10	CURRENT TRF. ADB81 630/1 Ci:0.5 10VA TROPICAL						ALCE	026		
		AGF1	SEPAMB83	PROTECTION RELAY SEPAM B83						SCHNEIDER ELECTRIC	027		
			59715	SEPAM MES120 14 INPUT / 6 OUTPUT MODULE						SCHNEIDER ELECTRIC	027		
			59715	SEPAM MES120 14 INPUT / 6 OUTPUT MODULE						SCHNEIDER ELECTRIC	027		
			59715	SEPAM MES120 14 INPUT / 6 OUTPUT MODULE						SCHNEIDER ELECTRIC	027		
D		AGF-K1	RXM4AB1FD	AUXILIARY RELAY 110VDC 4 CHANGE-OVER CONTACTS , 6A						SCHNEIDER ELECTRIC	029		
			RXZE2M114M	14 PIN SOCKET FOR RX RELAY						SCHNEIDER ELECTRIC	029		
			RXM040W	AUXILIARY RELAY PROTECTION DIODE						SCHNEIDER ELECTRIC	029		
		AGH1	ZB5AVBG4	SIGNAL LAMP BODY WITH LED, RED 24-120VAC/DC						SCHNEIDER ELECTRIC	029		
			ZB5AV043	SIGNAL LAMP HEAD RED						SCHNEIDER ELECTRIC	029		
		AGH2	ZB5AVBG3	SIGNAL LAMP BODY WITH LED, GREEN 24-120VAC/DC						SCHNEIDER ELECTRIC	029		
			ZB5AV033	SIGNAL LAMP HEAD, GREEN						SCHNEIDER ELECTRIC	029		
		AGH3	ZB5AVBG5	SIGNAL LAMP BODY WITH LED, AMBER 24-120VAC/DC						SCHNEIDER ELECTRIC	029		
			ZB5AV053	SIGNAL LAMP HEAD, AMBER						SCHNEIDER ELECTRIC	029		
			56160005	FLUORESCENT 250VAC- 8W JE108						JUPITER	019		
		AGHQ1	A9F84201	ACTI 9 iC60H 2P 1A MINIATURE CIRCUIT BREAKER						SCHNEIDER ELECTRIC	019		
		AGP1	59642	COMMUNICATION CONNECTION BOX ACE 949-2						SCHNEIDER ELECTRIC	027		
			59663	COMMUNICATION CABLE CCA612						SCHNEIDER ELECTRIC	027		
		AGQ1	NW08H2 3P ML5A	MASTERPACT ACB 800A 100KA, 3P, MICROLOGIC 5.0A, DRAWOUT						SCHNEIDER ELECTRIC	027		
			48523	MCH MOTOR 100-125V DC (NW06-NW63 DRAWOUT)						SCHNEIDER ELECTRIC	027		
			48483	XF CLOSING COIL 100-130VAC/DC (NW06-NW63 DRAWOUT)						SCHNEIDER ELECTRIC	027		
			48493	MX OPENING COIL 100-130VAC/DC (NW06-NW63 DRAWOUT)						SCHNEIDER ELECTRIC	027		
			33751-1	CE CONNECTED POSITION CONTACT (NT-NW)						SCHNEIDER ELECTRIC	027		
			33752-1	CT TEST POSITION CONTACT (NT-NW)						SCHNEIDER ELECTRIC	027		
	K	03-06-2014	AS BUILT		ISU								
	I	14-04-2014	First issue		ISU								
	Rev	Date	Modification		Drawn	Rev	Date	Modification		Drawn			
EQUIPMENT LIST_ENG											S1300516-02		
14-SW-5-1													
									Cubicle Type BLOKSET		Rev K	Sheet 046	

A		1	2	3	4	5	6	7	8	9	10
		SYMBOL	REFERENCE	DESIGNATION						MANUFACTURER	PAGE
			33751-2	CE CONNECTED POSITION CONTACT (NT-NW)						SCHNEIDER ELECTRIC	027
			33752-2	CT TEST POSITION CONTACT (NW)						SCHNEIDER ELECTRIC	027
			33753-1	CD DISCONNECTED POSITION CONTACT (NT-NW)						SCHNEIDER ELECTRIC	027
		AGQ1.1	GV2ME03	THERMAL-MAGNETIC MOTOR CIRCUIT BREAKER 3P 0.25 - 0.40A						SCHNEIDER ELECTRIC	027
			GVAD0110	AUXILIARY CONTACT BLOCK 1NC FAULT 1NO FOR SIDE MOUNTING						SCHNEIDER ELECTRIC	027
		AGQ1.2	A9F84406	ACTI 9 iC60H 4P 6A C MINIATURE CIRCUIT BREAKER						SCHNEIDER ELECTRIC	027
			A9A26924	iOF 240-415VAC 24-130VDC OC CONTACT						SCHNEIDER ELECTRIC	027
		AGQ1.3	GV2ME03	THERMAL-MAGNETIC MOTOR CIRCUIT BREAKER 3P 0.25 - 0.40A						SCHNEIDER ELECTRIC	027
B			GVAD0110	AUXILIARY CONTACT BLOCK 1NC FAULT 1NO FOR SIDE MOUNTING						SCHNEIDER ELECTRIC	027
		AGQ1.4	A9F84406	ACTI 9 iC60H 4P 6A C MINIATURE CIRCUIT BREAKER						SCHNEIDER ELECTRIC	027
			A9A26924	iOF 240-415VAC 24-130VDC OC CONTACT						SCHNEIDER ELECTRIC	027
		AGR1	ESG0031	HEATER 75W 220VAC						DURMAZLAR REZISTANS	019
		AGS1	XB5AA31	PUSHBUTTON SPRING RETURN GREEN 1NO						SCHNEIDER ELECTRIC	032
		AGS2	ZB5AA4	PUSHBUTTON HEAD RED						SCHNEIDER ELECTRIC	032
			ZB5AZ101	PUSHBUTTON BODY 1NO						SCHNEIDER ELECTRIC	032
		AGST1	NSYCC0THC	THERMOSTAT +0C - +60C 120-250VAC FOR RESISTANCE						SCHNEIDER ELECTRIC	019
		AGSW1	56160003	DOOR CONTACT						EMAS	019
		AGVT1	TRF01568	VOLTAGE TRANS. 690V/R3 110V/R3 CL0,5 25VA TROPICAL						ALCE	027
C		AGVT2	TRF01568	VOLTAGE TRANS. 690V/R3 110V/R3 CL0,5 25VA TROPICAL						ALCE	027
		AGVT3	TRF01568	VOLTAGE TRANS. 690V/R3 110V/R3 CL0,5 25VA TROPICAL						ALCE	027
		AGVT4	TRF01568	VOLTAGE TRANS. 690V/R3 110V/R3 CL0,5 25VA TROPICAL						ALCE	027
		AGVT5	TRF01568	VOLTAGE TRANS. 690V/R3 110V/R3 CL0,5 25VA TROPICAL						ALCE	027
		AGVT6	TRF01568	VOLTAGE TRANS. 690V/R3 110V/R3 CL0,5 25VA TROPICAL						ALCE	027
		AH1	ZB5AVBG4	SIGNAL LAMP BODY WITH LED, RED 24-120VAC/DC						SCHNEIDER ELECTRIC	024
			ZB5AV043	SIGNAL LAMP HEAD RED						SCHNEIDER ELECTRIC	024
		AH2	ZB5AVBG3	SIGNAL LAMP BODY WITH LED, GREEN 24-120VAC/DC						SCHNEIDER ELECTRIC	024
			ZB5AV033	SIGNAL LAMP HEAD, GREEN						SCHNEIDER ELECTRIC	024
		AH3	ZB5AVBG5	SIGNAL LAMP BODY WITH LED, AMBER 24-120VAC/DC						SCHNEIDER ELECTRIC	024
D			ZB5AV053	SIGNAL LAMP HEAD, AMBER						SCHNEIDER ELECTRIC	024
		AHF1	56160005	FLUORESCENT 250VAC- 8W JE108						JUPITER	019
		AHQ1	A9F84201	ACTI 9 iC60H 2P 1A MINIATURE CIRCUIT BREAKER						SCHNEIDER ELECTRIC	019
		AP1	59642	COMMUNICATION CONNECTION BOX ACE 949-2						SCHNEIDER ELECTRIC	022
			59663	COMMUNICATION CABLE CCA612						SCHNEIDER ELECTRIC	022
		AQ1	NW08H2 3P ML5A	MASTERPACT ACB 800A 100KA, 3P, MICROLOGIC 5.0A, DRAWOUT						SCHNEIDER ELECTRIC	023
			48523	MCH MOTOR 100-125V DC (NW06-NW63 DRAWOUT)						SCHNEIDER ELECTRIC	023
			48483	XF CLOSING COIL 100-130VAC/DC (NW06-NW63 DRAWOUT)						SCHNEIDER ELECTRIC	023
			48493	MX OPENING COIL 100-130VAC/DC (NW06-NW63 DRAWOUT)						SCHNEIDER ELECTRIC	023
			33751-1	CE CONNECTED POSITION CONTACT (NT-NW)						SCHNEIDER ELECTRIC	023
			33752-1	CT TEST POSITION CONTACT (NT-NW)						SCHNEIDER ELECTRIC	023
			48503	MN UNDERVOLTAGE COIL 100-130VDC (NW06-NW63 DRAWOUT)						SCHNEIDER ELECTRIC	023
		AQ1.1	GV2ME03	THERMAL-MAGNETIC MOTOR CIRCUIT BREAKER 3P 0.25 - 0.40A						SCHNEIDER ELECTRIC	022
			GVAD0110	AUXILIARY CONTACT BLOCK 1NC FAULT 1NO FOR SIDE MOUNTING						SCHNEIDER ELECTRIC	022
		AQ1.2	A9F84406	ACTI 9 iC60H 4P 6A C MINIATURE CIRCUIT BREAKER						SCHNEIDER ELECTRIC	022
			A9A26924	iOF 240-415VAC 24-130VDC OC CONTACT						SCHNEIDER ELECTRIC	022
		AQ1.3	A9N61521	C60H-DC 2P CIRCUIT-BREAKER 1A C CURVE 500VDC						SCHNEIDER ELECTRIC	020
		AQF1	LV433480	NSX250HB1 TM160D 3P 3D 85ka-500V 75ka-690V CIRCUIT BREAKER						SCHNEIDER ELECTRIC	023
		AR1	ESG0031	HEATER 75W 220VAC						DURMAZLAR REZISTANS	019
K	03-06-2014	AS BUILT		ISU							
I	14-04-2014	First issue		ISU							
Rev	Date	Modification		Drawn	Rev	Date	Modification		Drawn		
EQUIPMENT LIST_ENG											
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A	The technical information contained in this document is the exclusive property of Schneider Electric and cannot be used or reproduced in any kind without its written consent. Only those drawings and parts of drawings or descriptions of components or accessories that are shown in the open position, drawn out with operating mechanism discharged and all power sources off, are in open position.	1	2	3	4	5	6	7	8	9	10				
		SYMBOL		REFERENCE		DESIGNATION					MANUFACTURER		PAGE		
		AS1		XB5AA31		PUSHBUTTON SPRING RETURN GREEN 1NO					SCHNEIDER ELECTRIC		032		
		AS2		ZB5AA4		PUSHBUTTON HEAD RED					SCHNEIDER ELECTRIC		032		
				ZB5AZ101		PUSHBUTTON BODY 1NO					SCHNEIDER ELECTRIC		032		
		AST1		NSYCCOTHC		THERMOSTAT +0C - +60C 120-250VAC FOR RESISTANCE					SCHNEIDER ELECTRIC		019		
		ASW1		56160003		DOOR CONTACT					EMAS		019		
		AU1		TCSESM083F23F1		CONNEXIUM MANAGED SWITCHES, 8 X 10/100BASE-TX PORTS					SCHNEIDER ELECTRIC		020		
		AU2		EGX100MG		ETHERNET GATEWAY					SCHNEIDER ELECTRIC		020		
		AVT1		TRF01568		VOLTAGE TRANS. 690V/R3 110V/R3 CL0.5 25VA TROPICAL					ALCE		022		
B		AVT2		TRF01568		VOLTAGE TRANS. 690V/R3 110V/R3 CL0.5 25VA TROPICAL					ALCE		022		
		AVT3		TRF01568		VOLTAGE TRANS. 690V/R3 110V/R3 CL0.5 25VA TROPICAL					ALCE		022		
		G1CT1		OAD-4 630-1 52 15		CURRENT TRF. ARD-4 630/1 CI:5P20 15VA TROPICAL					ALCE		039		
		G1CT2		OAD-4 630-1 52 15		CURRENT TRF. ARD-4 630/1 CI:5P20 15VA TROPICAL					ALCE		039		
		G1CT3		OAD-4 630-1 52 15		CURRENT TRF. ARD-4 630/1 CI:5P20 15VA TROPICAL					ALCE		039		
		G1F1		SEPAMT81		PROTECTION RELAY SEPAM T81					SCHNEIDER ELECTRIC		039		
				59715		SEPAM MES120 14 INPUT / 6 OUTPUT MODULE					SCHNEIDER ELECTRIC		039		
		G1F-K1		RXM4AB1FD		AUXILIARY RELAY 110VDC 4 CHANGE-OVER CONTACTS , 6A					SCHNEIDER ELECTRIC		040		
				RXZE2M114M		14 PIN SOCKET FOR RX RELAY					SCHNEIDER ELECTRIC		040		
				RXM040W		AUXILIARY RELAY PROTECTION DIODE					SCHNEIDER ELECTRIC		040		
C		G1H1		ZB5AVBG4		SIGNAL LAMP BODY WITH LED, RED 24-120VAC/DC					SCHNEIDER ELECTRIC		040		
				ZB5AV043		SIGNAL LAMP HEAD RED					SCHNEIDER ELECTRIC		040		
		G1H2		ZB5AVBG3		SIGNAL LAMP BODY WITH LED, GREEN 24-120VAC/DC					SCHNEIDER ELECTRIC		040		
				ZB5AV033		SIGNAL LAMP HEAD, GREEN					SCHNEIDER ELECTRIC		040		
		G1H3		ZB5AVBG5		SIGNAL LAMP BODY WITH LED, AMBER 24-120VAC/DC					SCHNEIDER ELECTRIC		040		
				ZB5AV053		SIGNAL LAMP HEAD, AMBER					SCHNEIDER ELECTRIC		040		
		G1HF1		56160005		FLUORESCENT 250VAC- 8W JE108					JUPITER		019		
		G1HQ1		A9F84201		ACTI 9 iC60H 2P 1A MINIATURE CIRCUIT BREAKER					SCHNEIDER ELECTRIC		019		
		G1P1		59642		COMMUNICATION CONNECTION BOX ACE 949-2					SCHNEIDER ELECTRIC		039		
				59663		COMMUNICATION CABLE CCA612					SCHNEIDER ELECTRIC		039		
D		G1Q1		NW08H2 3P ML2A		MASTERPACT ACB 800A 100KA, 3P, MICROLOGIC 2.0A, DRAWOUT					SCHNEIDER ELECTRIC		039		
				48523		MCH MOTOR 100-125V DC (NW06-NW63 DRAWOUT)					SCHNEIDER ELECTRIC		039		
				48483		XF CLOSING COIL 100-130VAC/DC (NW06-NW63 DRAWOUT)					SCHNEIDER ELECTRIC		039		
				48493		MX OPENING COIL 100-130VAC/DC (NW06-NW63 DRAWOUT)					SCHNEIDER ELECTRIC		039		
		G1Q1.1		GV2ME03		THERMAL-MAGNETIC MOTOR CIRCUIT BREAKER 3P 0.25 - 0.40A					SCHNEIDER ELECTRIC		039		
				GVAD0110		AUXILIARY CONTACT BLOCK 1NC FAULT 1NO FOR SIDE MOUNTING					SCHNEIDER ELECTRIC		039		
		G1Q1.2		A9F84406		ACTI 9 iC60H 4P 6A C MINIATURE CIRCUIT BREAKER					SCHNEIDER ELECTRIC		039		
				A9A26924		iOF 240-415VAC 24-130VDC OC CONTACT					SCHNEIDER ELECTRIC		039		
		G1R1		ESG0031		HEATER 75W 220VAC					DURMAZLAR REZISTANS		019		
		G1S1		XB5AA31		PUSHBUTTON SPRING RETURN GREEN 1NO					SCHNEIDER ELECTRIC		041		
		G1S2		ZB5AA4		PUSHBUTTON HEAD RED					SCHNEIDER ELECTRIC		041		
				ZB5AZ101		PUSHBUTTON BODY 1NO					SCHNEIDER ELECTRIC		041		
		G1ST1		NSYCCOTHC		THERMOSTAT +0C - +60C 120-250VAC FOR RESISTANCE					SCHNEIDER ELECTRIC		019		
		G1SW1		56160003		DOOR CONTACT					EMAS		019		
		G1U1		EGX100MG		ETHERNET GATEWAY					SCHNEIDER ELECTRIC		020		
		G1VT1		TRF01568		VOLTAGE TRANS. 690V/R3 110V/R3 CL0.5 25VA TROPICAL					ALCE		039		
		G1VT2		TRF01568		VOLTAGE TRANS. 690V/R3 110V/R3 CL0.5 25VA TROPICAL					ALCE		039		
		G1VT3		TRF01568		VOLTAGE TRANS. 690V/R3 110V/R3 CL0.5 25VA TROPICAL					ALCE		039		
		G2HF1		56160005		FLUORESCENT 250VAC- 8W JE108					JUPITER		019		
														S1300516-02	
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EQUIPMENT LIST_ENG											14-SW-5-1				

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		SYMBOL		REFERENCE	DESIGNATION						MANUFACTURER	PAGE							
		G2HQ1		A9F84201	ACTI 9 iC60H 2P 1A MINIATURE CIRCUIT BREAKER						SCHNEIDER ELECTRIC	019							
		G2R1		ESG0031	HEATER 75W 220VAC						DURMAZLAR REZISTANS	019							
		G2ST1		NSYCCOTHC	THERMOSTAT +0C - +60C 120-250VAC FOR RESISTANCE						SCHNEIDER ELECTRIC	019							
		G2SW1		56160003	DOOR CONTACT						EMAS	019							
		G2U1		EGX100MG	ETHERNET GATEWAY						SCHNEIDER ELECTRIC	020							
		G3HF1		56160005	FLUORESCENT 250VAC- 8W JE108						JUPITER	019							
		G3HQ1		A9F84201	ACTI 9 iC60H 2P 1A MINIATURE CIRCUIT BREAKER						SCHNEIDER ELECTRIC	019							
		G3R1		ESG0031	HEATER 75W 220VAC						DURMAZLAR REZISTANS	019							
B		G3ST1		NSYCCOTHC	THERMOSTAT +0C - +60C 120-250VAC FOR RESISTANCE						SCHNEIDER ELECTRIC	019							
		G3SW1		56160003	DOOR CONTACT						EMAS	019							
		GCT1		OAD-4 630-1 52 15	CURRENT TRF. ARD-4 630/1 CI:5P20 15VA TROPICAL						ALCE	034							
		GCT2		OAD-4 630-1 52 15	CURRENT TRF. ARD-4 630/1 CI:5P20 15VA TROPICAL						ALCE	034							
		GCT3		OAD-4 630-1 52 15	CURRENT TRF. ARD-4 630/1 CI:5P20 15VA TROPICAL						ALCE	034							
		GF1		SEPAMG88	PROTECTION RELAY SEPAM G88						SCHNEIDER ELECTRIC	034							
				59715	SEPAM MES120 14 INPUT / 6 OUTPUT MODULE						SCHNEIDER ELECTRIC	034							
				59715	SEPAM MES120 14 INPUT / 6 OUTPUT MODULE						SCHNEIDER ELECTRIC	034							
		GF2		PHOENIX-2800531	SURGE ARRESTER 690V AC TYPE-1 3P TN-C/IT EARTHING SYSTEM						PHOENIX	035							
		GF3		50248	VIGILOHM SYSTEM PHT 1000						SCHNEIDER ELECTRIC	033							
C		GF4		50541	VIGILOHM SYSTEM XM300C 200-240VAC						SCHNEIDER ELECTRIC	033							
		GF-K1		RXM4AB1FD	AUXILIARY RELAY 110VDC 4 CHANGE-OVER CONTACTS , 6A						SCHNEIDER ELECTRIC	036							
				RXZE2M114M	14 PIN SOCKET FOR RX RELAY						SCHNEIDER ELECTRIC	036							
				RXM040W	AUXILIARY RELAY PROTECTION DIODE						SCHNEIDER ELECTRIC	036							
		GH1		ZB5AVBG4	SIGNAL LAMP BODY WITH LED, RED 24-120VAC/DC						SCHNEIDER ELECTRIC	036							
				ZB5AV043	SIGNAL LAMP HEAD RED						SCHNEIDER ELECTRIC	036							
		GH2		ZB5AVBG3	SIGNAL LAMP BODY WITH LED, GREEN 24-120VAC/DC						SCHNEIDER ELECTRIC	036							
				ZB5AV033	SIGNAL LAMP HEAD, GREEN						SCHNEIDER ELECTRIC	036							
		GH3		ZB5AVBG5	SIGNAL LAMP BODY WITH LED, AMBER 24-120VAC/DC						SCHNEIDER ELECTRIC	036							
				ZB5AV053	SIGNAL LAMP HEAD, AMBER						SCHNEIDER ELECTRIC	036							
D		GHF1		56160005	FLUORESCENT 250VAC- 8W JE108						JUPITER	019							
		GHQ1		A9F84201	ACTI 9 iC60H 2P 1A MINIATURE CIRCUIT BREAKER						SCHNEIDER ELECTRIC	019							
		GP1		59642	COMMUNICATION CONNECTION BOX ACE 949-2						SCHNEIDER ELECTRIC	034							
				59663	COMMUNICATION CABLE CCA612						SCHNEIDER ELECTRIC	034							
		GQ1		NW08H2 3P ML5A	MASTERPACT ACB 800A 100KA, 3P, MICROLOGIC 5.0A, DRAWOUT						SCHNEIDER ELECTRIC	035							
				48523	MCH MOTOR 100-125V DC (NW06-NW63 DRAWOUT)						SCHNEIDER ELECTRIC	035							
				48483	XF CLOSING COIL 100-130VAC/DC (NW06-NW63 DRAWOUT)						SCHNEIDER ELECTRIC	035							
				48493	MX OPENING COIL 100-130VAC/DC (NW06-NW63 DRAWOUT)						SCHNEIDER ELECTRIC	035							
				33751-1	CE CONNECTED POSITION CONTACT (NT-NW)						SCHNEIDER ELECTRIC	035							
				33752-1	CT TEST POSITION CONTACT (NT-NW)						SCHNEIDER ELECTRIC	035							
				33751-2	CE CONNECTED POSITION CONTACT (NT-NW)						SCHNEIDER ELECTRIC	035							
				33752-2	CT TEST POSITION CONTACT (NW)						SCHNEIDER ELECTRIC	035							
				33753-1	CD DISCONNECTED POSITION CONTACT (NT-NW)						SCHNEIDER ELECTRIC	035							
		GQ1.1		GV2ME03	THERMAL-MAGNETIC MOTOR CIRCUIT BREAKER 3P 0.25 - 0.40A						SCHNEIDER ELECTRIC	034							
				GVAD0110	AUXILIARY CONTACT BLOCK 1NC FAULT 1NO FOR SIDE MOUNTING						SCHNEIDER ELECTRIC	034							
		GQ1.2		A9F84406	ACTI 9 iC60H 4P 6A C MINIATURE CIRCUIT BREAKER						SCHNEIDER ELECTRIC	034							
				A9A26924	iOF 240-415VAC 24-130VDC OC CONTACT						SCHNEIDER ELECTRIC	034							
		GQ1.3		24443	C60 UL1077 2P CIRCUIT-BREAKER 2A 10KA C CURVE						SCHNEIDER ELECTRIC	035							
		GQF1		LV433480	NSX250HB1 TM160D 3P 3D 85ka-500V 75ka-690V CIRCUIT BREAKER						SCHNEIDER ELECTRIC	035							
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		SYMBOL	REFERENCE	DESIGNATION						MANUFACTURER	PAGE
		GQF2	GV2P06	THERMAL-MAGNETIC MOTOR CIRCUIT BREAKER 3P 1 - 1.6A						SCHNEIDER ELECTRIC	035
		GR1	ESG0031	HEATER 75W 220VAC						DURMAZLAR REZISTANS	019
		GS1	XB5AA31	PUSHBUTTON SPRING RETURN GREEN 1NO						SCHNEIDER ELECTRIC	032
		GS2	ZB5AA4	PUSHBUTTON HEAD RED						SCHNEIDER ELECTRIC	032
			ZB5AZ101	PUSHBUTTON BODY 1NO						SCHNEIDER ELECTRIC	032
		GST1	NSYCCOTHC	THERMOSTAT +0C - +60C 120-250VAC FOR RESISTANCE						SCHNEIDER ELECTRIC	019
		GSW1	56160003	DOOR CONTACT						EMAS	019
		GVT1	TRF01568	VOLTAGE TRANS. 690V/R3 110V/R3 CL0.5 25VA TROPICAL						ALCE	034
B		GVT2	TRF01568	VOLTAGE TRANS. 690V/R3 110V/R3 CL0.5 25VA TROPICAL						ALCE	034
		GVT3	TRF01568	VOLTAGE TRANS. 690V/R3 110V/R3 CL0.5 25VA TROPICAL						ALCE	034
		K1	RXM4AB1FD	AUXILIARY RELAY 110VDC 4 CHANGE-OVER CONTACTS , 6A						SCHNEIDER ELECTRIC	018
			RXZE2M114M	14 PIN SOCKET FOR RX RELAY						SCHNEIDER ELECTRIC	018
			RXM040W	AUXILIARY RELAY PROTECTION DIODE						SCHNEIDER ELECTRIC	018
		K2	RXM4AB1BD	AUXILIARY RELAY 24VDC 4 CHANGE-OVER CONTACTS , 6A						SCHNEIDER ELECTRIC	018
			RXZE2M114M	14 PIN SOCKET FOR RX RELAY						SCHNEIDER ELECTRIC	018
			RXM040W	AUXILIARY RELAY PROTECTION DIODE						SCHNEIDER ELECTRIC	018
		K3	RXM4AB1P7	AUXILIARY RELAY 230VAC 4 CHANGE-OVER CONTACTS , 6A						SCHNEIDER ELECTRIC	018
			RXZE2M114M	14 PIN SOCKET FOR RX RELAY						SCHNEIDER ELECTRIC	018
C		K4	RXM4AB1FD	AUXILIARY RELAY 110VDC 4 CHANGE-OVER CONTACTS , 6A						SCHNEIDER ELECTRIC	031
			RXZE2M114M	14 PIN SOCKET FOR RX RELAY						SCHNEIDER ELECTRIC	031
			RXM040W	AUXILIARY RELAY PROTECTION DIODE						SCHNEIDER ELECTRIC	031
		KA1	RXM4AB1P7	AUXILIARY RELAY 230VAC 4 CHANGE-OVER CONTACTS , 6A						SCHNEIDER ELECTRIC	035
			RXZE2M114M	14 PIN SOCKET FOR RX RELAY						SCHNEIDER ELECTRIC	035
		KA2	RXM4AB1P7	AUXILIARY RELAY 230VAC 4 CHANGE-OVER CONTACTS , 6A						SCHNEIDER ELECTRIC	035
			RXZE2M114M	14 PIN SOCKET FOR RX RELAY						SCHNEIDER ELECTRIC	035
		KA3	RXM4AB1P7	AUXILIARY RELAY 230VAC 4 CHANGE-OVER CONTACTS , 6A						SCHNEIDER ELECTRIC	035
			RXZE2M114M	14 PIN SOCKET FOR RX RELAY						SCHNEIDER ELECTRIC	035
			KF1	RXM4AB1P7	AUXILIARY RELAY 230VAC 4 CHANGE-OVER CONTACTS , 6A						SCHNEIDER ELECTRIC
D			RXZE2M114M	14 PIN SOCKET FOR RX RELAY						SCHNEIDER ELECTRIC	035
		Q1	A9N61530	C60H-DC 2P CIRCUIT-BREAKER 15A C CURVE 500VDC						SCHNEIDER ELECTRIC	018
		Q2	A9N61522	C60H-DC 2P CIRCUIT-BREAKER 2A C CURVE 500VDC						SCHNEIDER ELECTRIC	018
		Q3	A9N61525	C60H-DC 2P CIRCUIT-BREAKER 5A C CURVE 500VDC						SCHNEIDER ELECTRIC	018
		Q4	A9F84206	ACTI 9 iC60H 2P 6A C MINIATURE CIRCUIT BREAKER						SCHNEIDER ELECTRIC	018
		S1	XB5AD21	SELECTOR SWITCH 2 POSITIONS BLACK 1NO						SCHNEIDER ELECTRIC	032
		T1	ABL8REM24050	SINGLE PHASE FILTERED RECTIFIED POWER SUP. 24VDC 120W 5A						SCHNEIDER ELECTRIC	018
		T2	TRF0000501	ISOLATION TRF. 690VAC(Ph-Ph) 230VAC(Ph-N) 400VA						GUNDUZ TRAF0	035
		T1-1Q1	LV433300	NSX100HB1 ML2.2 40A 3P 3D 85kA-500V 75kA-690V CIRCUIT BREAKER						SCHNEIDER ELECTRIC	042
			29450-1	AUX. CONTACT BLOCK 1OF FOR ALL NS SERIES						SCHNEIDER ELECTRIC	042
			29450-4	AUX. CONTACT BLOCK SD (FAULT) FOR ALL NS SERIES						SCHNEIDER ELECTRIC	042
			29450-5	AUX. CONTACT BLOCK SDE (FAULT) FOR ALL NS SERIES						SCHNEIDER ELECTRIC	042
			29450-5	AUX. CONTACT BLOCK SDE (FAULT) FOR ALL NS SERIES						SCHNEIDER ELECTRIC	042
			LV429451	AUX. CONTACT BLOCK SDE ADAPTER FOR NSX 100-250 SERIES						SCHNEIDER ELECTRIC	042
		T1-2Q1	29450-4	AUX. CONTACT BLOCK SD (FAULT) FOR ALL NS SERIES						SCHNEIDER ELECTRIC	042
			29450-5	AUX. CONTACT BLOCK SDE (FAULT) FOR ALL NS SERIES						SCHNEIDER ELECTRIC	042
			LV429451	AUX. CONTACT BLOCK SDE ADAPTER FOR NSX 100-250 SERIES						SCHNEIDER ELECTRIC	042
			LV433302	NSX100HB1 ML2.2 100A 3P 3D 85kA-500V 75kA-690V CKT BREAKER						SCHNEIDER ELECTRIC	042
			29450-1	AUX. CONTACT BLOCK 1OF FOR ALL NS SERIES						SCHNEIDER ELECTRIC	042
		T1H1	XB5AVM5	SIGNAL LAMP AMBER 230-240VAC						SCHNEIDER ELECTRIC	042
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I	14-04-2014	First issue		ISU							
Rev	Date	Modification		Drawn	Rev	Date	Modification		Drawn		
EQUIPMENT LIST_ENG										S1300516-02	
14-SW-5-1											
								Cubicle Type BLOKSET		Rev K	Sheet 050

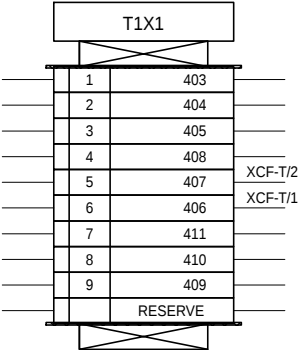
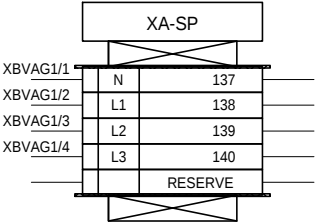
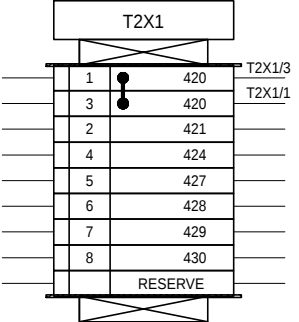
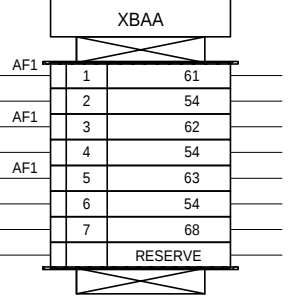
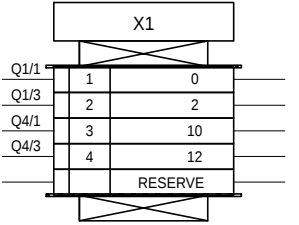
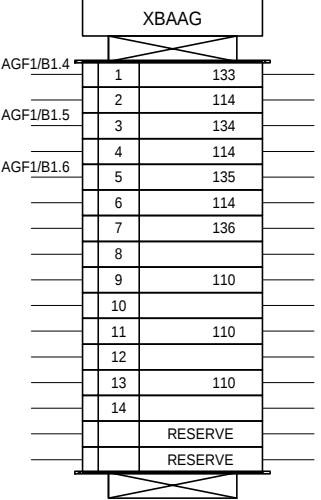
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SYMBOL			REFERENCE			DESIGNATION												MANUFACTURER			PAGE								
T1K1			RXM4AB1P7			AUXILIARY RELAY 230VAC 4 CHANGE-OVER CONTACTS , 6A												SCHNEIDER ELECTRIC			042								
			RXZE2M114M			14 PIN SOCKET FOR RX RELAY												SCHNEIDER ELECTRIC			042								
T2-1KM1			LC1D80P7			CONTACTOR 3P 80A 230VAC 1NO 1NC CONTACTS												SCHNEIDER ELECTRIC			044								
			LADN31			AUXILIARY CONTACT BLOCK 3NO 1NC												SCHNEIDER ELECTRIC			044								
T2-1Q1			LV433248			NSX100HB1 MA12.5 3P 3D 85kA-500V 75kA-690V MOTOR PROT. UNIT												SCHNEIDER ELECTRIC			043								
			29450-1			AUX. CONTACT BLOCK 1OF FOR ALL NS SERIES												SCHNEIDER ELECTRIC			043								
			29450-2			AUX. CONTACT BLOCK 1OF FOR ALL NS SERIES												SCHNEIDER ELECTRIC			043								
			29450-4			AUX. CONTACT BLOCK SD (FAULT) FOR ALL NS SERIES												SCHNEIDER ELECTRIC			043								
T2-1U1			LTMR08MBD			TESYS-T MOTOR PROTECTION RELAY, 0.4..8A, 24VDC, MODBUS												SCHNEIDER ELECTRIC			043								
			LTMEV40BD			TESYS-T EXTENSION MODULE, 24VDC												SCHNEIDER ELECTRIC			043								
T2-2KM1			LC1D80P7			CONTACTOR 3P 80A 230VAC 1NO 1NC CONTACTS												SCHNEIDER ELECTRIC			044								
			LADN31			AUXILIARY CONTACT BLOCK 3NO 1NC												SCHNEIDER ELECTRIC			044								
T2-2Q1			LV433248			NSX100HB1 MA12.5 3P 3D 85kA-500V 75kA-690V MOTOR PROT. UNIT												SCHNEIDER ELECTRIC			043								
			29450-1			AUX. CONTACT BLOCK 1OF FOR ALL NS SERIES												SCHNEIDER ELECTRIC			043								
			29450-2			AUX. CONTACT BLOCK 1OF FOR ALL NS SERIES												SCHNEIDER ELECTRIC			043								
			29450-4			AUX. CONTACT BLOCK SD (FAULT) FOR ALL NS SERIES												SCHNEIDER ELECTRIC			043								
T2-2U1			LTMR27MBD			TESYS-T MOTOR PROTECTION RELAY, 1.35...27A, 24VDC, MODBUS												SCHNEIDER ELECTRIC			043								
			LTMEV40BD			TESYS-T EXTENSION MODULE, 24VDC												SCHNEIDER ELECTRIC			043								
T2-3KM1			LC1D80P7			CONTACTOR 3P 80A 230VAC 1NO 1NC CONTACTS												SCHNEIDER ELECTRIC			044								
			LADN31			AUXILIARY CONTACT BLOCK 3NO 1NC												SCHNEIDER ELECTRIC			044								
T2-3Q1			LV433249			NSX100HB1 MA25 3P 3D 85kA-500V 75kA-690V MOTOR PROT. UNIT												SCHNEIDER ELECTRIC			043								
			29450-1			AUX. CONTACT BLOCK 1OF FOR ALL NS SERIES												SCHNEIDER ELECTRIC			043								
			29450-2			AUX. CONTACT BLOCK 1OF FOR ALL NS SERIES												SCHNEIDER ELECTRIC			043								
			29450-4			AUX. CONTACT BLOCK SD (FAULT) FOR ALL NS SERIES												SCHNEIDER ELECTRIC			043								
T2-3U1			LTMR27MBD			TESYS-T MOTOR PROTECTION RELAY, 1.35...27A, 24VDC, MODBUS												SCHNEIDER ELECTRIC			043								
			LTMEV40BD			TESYS-T EXTENSION MODULE, 24VDC												SCHNEIDER ELECTRIC			043								
T2H1			ZB5AVBG4			SIGNAL LAMP BODY WITH LED, RED 24-120VAC/DC												SCHNEIDER ELECTRIC			044								
			ZB5AV043			SIGNAL LAMP HEAD RED												SCHNEIDER ELECTRIC			044								
T2H2			ZB5AVBG3			SIGNAL LAMP BODY WITH LED, GREEN 24-120VAC/DC												SCHNEIDER ELECTRIC			044								
			ZB5AV033			SIGNAL LAMP HEAD, GREEN												SCHNEIDER ELECTRIC			044								
T2H3			ZB5AVBG5			SIGNAL LAMP BODY WITH LED, AMBER 24-120VAC/DC												SCHNEIDER ELECTRIC			044								
			ZB5AV053			SIGNAL LAMP HEAD, AMBER												SCHNEIDER ELECTRIC			044								
T2K1			RXM4AB1BD			AUXILIARY RELAY 24VDC 4 CHANGE-OVER CONTACTS , 6A												SCHNEIDER ELECTRIC			044								
			RXZE2M114M			14 PIN SOCKET FOR RX RELAY												SCHNEIDER ELECTRIC			044								
			RXM040W			AUXILIARY RELAY PROTECTION DIODE												SCHNEIDER ELECTRIC			044								
			RXM4AB1BD			AUXILIARY RELAY 24VDC 4 CHANGE-OVER CONTACTS , 6A												SCHNEIDER ELECTRIC			044								
T2K2			RXZE2M114M			14 PIN SOCKET FOR RX RELAY												SCHNEIDER ELECTRIC			044								
			RXM040W			AUXILIARY RELAY PROTECTION DIODE												SCHNEIDER ELECTRIC			044								
T2Q2			A9N61522			C60H-DC 2P CIRCUIT-BREAKER 2A C CURVE 500VDC												SCHNEIDER ELECTRIC			043								
			A9F84202			ACTI 9 iC60H 2P 2A C MINIATURE CIRCUIT BREAKER												SCHNEIDER ELECTRIC			044								
T2S1			ZB5AD2			SELECTOR SWICTH HEAD,STAY PUT 2 POSITION												SCHNEIDER ELECTRIC			044								
			ZB5AZ102			PUSHBUTTON BODY 1NC												SCHNEIDER ELECTRIC			044								
T2S2			XB5AA21			PUSHBUTTON SPRING RETURN BLACK 1NO												SCHNEIDER ELECTRIC			044								
			88690			LIMIT SWITCH 1 CHANGE-OVER												SCHNEIDER ELECTRIC			043								
T2S01			88690			LIMIT SWITCH 1 CHANGE-OVER												SCHNEIDER ELECTRIC			043								
			88690			LIMIT SWITCH 1 CHANGE-OVER												SCHNEIDER ELECTRIC			044								
T2S03			88690			LIMIT SWITCH 1 CHANGE-OVER												SCHNEIDER ELECTRIC			044								
			LTMCU			CONTROL OPERATOR UNIT												SCHNEIDER ELECTRIC			043								

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A	COMMENT			PAGE			TERMINAL			COMMENT			PAGE			TERMINAL													
							AGX1									AGX1													
	AGQ1 OFF (NC)			S1300516-02/028-2			AGQ1/32			1			157			AGF1/H3.47													
	AGQ1 ON (NO)			S1300516-02/028-2			AGQ1/34			2			158			45													
	COMMON AGQ1 OPEN/CLOSE			S1300516-02/028-2			AGQ1/31			3			159			46													
	AGQ1 FAULT (NC)			S1300516-02/028-3			AGF-K1/22			4			160			RESERVE													
	AGQ1 FAULT (NO)			S1300516-02/028-3			AGF-K1/24			5			161			RESERVE													
	COMMON AGQ1 FAULT			S1300516-02/028-3			AGF-K1/21			6			162			RESERVE													
	AGQ1 CONNECTED (NC)			S1300516-02/028-4			AGQ1/322			7			163			RESERVE													
	AGQ1 CONNECTED (NO)			S1300516-02/028-4			AGQ1/324			8			164			RESERVE													
	COMMON AGQ1 CONNECTED			S1300516-02/028-4			AGQ1/321			9			165			RESERVE													
	AGQ1 TEST (NC)			S1300516-02/028-5			AGQ1/924			10			166			RESERVE													
	AGQ1 TEST (NO)			S1300516-02/028-5			AGQ1/922			11			167			RESERVE													
	COMMON AGQ1 TEST			S1300516-02/028-5			AGQ1/921			12			168			RESERVE													
	AGQ1 DISCONNECTED (NC)			S1300516-02/028-6			AGQ1/812			13			169			RESERVE													
	AGQ1 DISCONNECTED (NO)			S1300516-02/028-6			AGQ1/814			14			170			RESERVE													
	COMMON AGQ1 DISCONNECTED			S1300516-02/028-6			AGQ1/811			15			171			RESERVE													
	AGQ1 TRIP (NC)			S1300516-02/028-7			AGF-K1/32			16			172			RESERVE													
	AGQ1 TRIP (NO)			S1300516-02/028-7			AGF-K1/34			17			173			RESERVE													
COMMON AGQ1 TRIP			S1300516-02/028-7			AGF-K1/31			18			174			RESERVE														
B	EDG 14-DG-5-1 CLOSING ORDER (NO)			S1300516-02/029-6						19			3																
	EDG 14-DG-5-1 CLOSING ORDER (NO)			S1300516-02/029-6						20			179			AGF1/H1.37													
	EDG 14-DG-5-1 OPENING ORDER (NO)			S1300516-02/029-9						21			3																
	EDG 14-DG-5-1 OPENING ORDER (NO)			S1300516-02/029-9			AGF1/H1.38			22			183																
	SPARE INPUT			S1300516-02/031-7						23			3																
	SPARE INPUT			S1300516-02/031-7			AGF1/H2.27			24			218																
	EDG IN TEST MODE (FROM ENMCS)			S1300516-02/032-6						25			3																
	EDG IN TEST MODE (FROM ENMCS)			S1300516-02/032-6			AGF1/H3.23			26			229																
	SPARE INPUT			S1300516-02/032-6						27			3																
	SPARE INPUT			S1300516-02/032-6			AGF1/H3.24			28			230																
	SPARE INPUT			S1300516-02/032-6						29			3																
	SPARE INPUT			S1300516-02/032-6			AGF1/H3.25			30			231																
	SPARE INPUT			S1300516-02/032-7						31			3																
	SPARE INPUT			S1300516-02/032-7			AGF1/H3.26			32			232																
	SPARE INPUT			S1300516-02/032-7						33			3																
	SPARE INPUT			S1300516-02/032-7			AGF1/H3.27			34			233																
	(14-SW-6-1) 400V SWITCHBOARD BUS-TIE FOR INTER-TRIP			S1300516-02/032-8			AGF1/H3.32			35			234			AGF1/H3.31													
	(14-SW-6-1) 400V SWITCHBOARD BUS-TIE FOR INTER-TRIP			S1300516-02/032-8						36			235			AGF1/H3.34													
	SELECTOR SWITCH IS AUTO POSITION (S1)			S1300516-02/032-8			AGF1/H3.35			37			236			AGF1/H3.37													
	SELECTOR SWITCH IS AUTO POSITION (S1)			S1300516-02/032-8						38			237			AGF1/H3.40													
C	FEEDBACK OF INHIBIT BREAKER COMMAND BY ATS			S1300516-02/032-9			AGF1/H3.38			39			238																
	FEEDBACK OF INHIBIT BREAKER COMMAND BY ATS			S1300516-02/032-9						40			239																
	SPARE OUTPUT			S1300516-02/032-9			AGF1/H3.41			41			240																
	SPARE OUTPUT			S1300516-02/032-9						42			241																
	SPARE OUTPUT			S1300516-02/032-9			AGF1/H3.44			43			242																
	SPARE OUTPUT			S1300516-02/032-9						44			243																
D																													

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		COMMENT	PAGE	TERMINAL		COMMENT	PAGE	TERMINAL			
				AX1				AXF1			
		14-TR-35-1 ALARM TEMPERATURE	S1300516-02/025-4			IMD SYSTEM FAULT (FAILSAFE FEATURE) (NO)	S1300516-02/021-7				
		14-TR-35-1 ALARM TEMPERATURE	S1300516-02/025-4	AF1	1 3	IMD SYSTEM COMMON FAULT (FAILSAFE FEATURE)	S1300516-02/021-7				
		14-TR-35-1 TRIP ON TEMPERATURE THERSHOLD HIGH	S1300516-02/025-4		2 94	IMD SYSTEM FAULT (FAILSAFE FEATURE) (NC)	S1300516-02/021-7				
		14-TR-35-1 TRIP ON TEMPERATURE THERSHOLD HIGH	S1300516-02/025-4	AF1	3 3	IMD SYSTEM PREVENTION (NO)	S1300516-02/021-7				
		14-TR-35-1 DISCHARGE OF GASES (DGPT2)	S1300516-02/025-5		4 95	IMD SYSTEM COMMON PREVENTION	S1300516-02/021-7				
		14-TR-35-1 DISCHARGE OF GASES (DGPT2)	S1300516-02/025-5	AF1	5 3	IMD SYSTEM PREVENTION (NC)	S1300516-02/021-7				
		14-TR-35-1 TANK PRESSURE (DGPT2)	S1300516-02/025-5		6 96						
B				7 3							
	14-TR-35-1 TANK PRESSURE (DGPT2)	S1300516-02/025-5	AF1	8 97							
	SPARE INPUT	S1300516-02/025-6		9 3							
	SPARE INPUT	S1300516-02/025-6	AF1	10 98							
	SPARE INPUT	S1300516-02/025-6		11 3							
	SPARE INPUT	S1300516-02/025-6	AF1	12 99							
	SPARE INPUT	S1300516-02/025-7		13 3							
	SPARE INPUT	S1300516-02/025-7	AF1	14 100							
	SPARE INPUT	S1300516-02/025-7		15 3							
	SPARE INPUT	S1300516-02/025-7	AF1	16 101							
C				17 3							
	SPARE INPUT	S1300516-02/025-8	AF1	18 102							
	AQ1 TRIP THE UPSTREAM CB	S1300516-02/025-9		19 103							
	AQ1 TRIP THE UPSTREAM CB	S1300516-02/025-9	AF1	20 104	AF1						
	SPARE OUTPUT	S1300516-02/025-10		21 105							
	SPARE OUTPUT	S1300516-02/025-10	AF1	22 106	AF1						
	SPARE OUTPUT	S1300516-02/025-10		23 107							
	SPARE OUTPUT	S1300516-02/025-10	AF1	24 108	AF1						
				RESERVE							
				RESERVE							
D				RESERVE							

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	COMMENT		PAGE		TERMINAL		COMMENT		PAGE		TERMINAL		COMMENT		PAGE		TERMINAL		COMMENT	
					GX1						GX1						GX1			
	GQ1 OFF (NC)		S1300516-02/035-5		GQ1/42		1 289				SPARE OUTPUT		S1300516-02/037-10				GF1		45 340	
	GQ1 ON (NO)		S1300516-02/035-5		GQ1/44		2 292				SPARE OUTPUT		S1300516-02/037-10				GF1		46 341	
	COMMON GQ1 ON/OFF		S1300516-02/035-5		GQ1/41		3 293										RESERVE			
	GQ1 FAULT (NC)		S1300516-02/035-6		GF-K1/32		4 294										RESERVE			
	GQ1 FAULT (NO)		S1300516-02/035-6		GF-K1/34		5 296										RESERVE			
	COMMON GQ1 FAULT		S1300516-02/035-6		GF-K1/31		6 297										RESERVE			
	GQ1 CONNECTED (NC)		S1300516-02/035-6		GQ1/322		7 299										RESERVE			
B	GQ1 CONNECTED (NO)		S1300516-02/035-7		GQ1/324		8 301										RESERVE			
	COMMON GQ1 CONNECTED		S1300516-02/035-7		GQ1/321		9 302										RESERVE			
	GQ1 TEST (NC)		S1300516-02/035-7		GQ1/924		10 303				IMD SYSTEM FAULT (FAILSAFE FEATURE) (NO)		S1300516-02/033-8				GF4		1 251	
	GQ1 TEST (NO)		S1300516-02/035-8		GQ1/922		11 305				IMD SYSTEM COMMON FAULT (FAILSAFE FEATURE)		S1300516-02/033-8				GF4		2 252	
	COMMON GQ1 TEST		S1300516-02/035-8		GQ1/921		12 306				IMD SYSTEM FAULT (FAILSAFE FEATURE) (NC)		S1300516-02/033-8				GF4		3 253	
	GQ1 DISCONNECTED (NC)		S1300516-02/035-8		GQ1/812		13 308				IMD SYSTEM PREVENTION (NO)		S1300516-02/033-8				GF4		4 254	
	GQ1 DISCONNECTED (NO)		S1300516-02/035-9		GQ1/814		14 310				IMD SYSTEM COMMON PREVENTION		S1300516-02/033-8				GF4		5 255	
	COMMON GQ1 DISCONNECTED		S1300516-02/035-9		GQ1/811		15 311				IMD SYSTEM PREVENTION (NC)		S1300516-02/033-8				GF4		6 256	
	GQ1 TRIP (NC)		S1300516-02/035-9		GF-K1/42		16 312										RESERVE			
	GQ1 TRIP (NO)		S1300516-02/035-10		GF-K1/44		17 313													
C	COMMON GQ1TRIP		S1300516-02/035-10		GF-K1/41		18 314													
	EDG 14-DG-5-1 CLOSING ORDER (NO)		S1300516-02/036-6				19 3													
	EDG 14-DG-5-1 CLOSING ORDER (NO)		S1300516-02/036-6				20 319		AGF1/H1.43											
	EDG 14-DG-5-1 OPENING ORDER (NO)		S1300516-02/036-9				21 3													
	EDG 14-DG-5-1 OPENING ORDER (NO)		S1300516-02/036-9		AGF1/H1.44		22 323													
	CLOSE INHIBIT		S1300516-02/037-4				23 3				LOAD SHEDDING STEP-1		S1300516-02/035-6				KA1/A1		1 290	
	CLOSE INHIBIT		S1300516-02/037-4		GF1		24 195				LOAD SHEDDING STEP-1		S1300516-02/035-6				KA1/A1		2 295	
	SPARE INPUT		S1300516-02/037-4				25 3				LOAD SHEDDING STEP-2		S1300516-02/035-6				KA2/A1		3 290	
	SPARE INPUT		S1300516-02/037-4		GF1		26 328				LOAD SHEDDING STEP-2		S1300516-02/035-6				KA2/A1		4 298	
	SPARE INPUT		S1300516-02/037-5				27 3				LOAD SHEDDING STEP-3		S1300516-02/035-7				KA3/A1		5 290	
D	SPARE INPUT		S1300516-02/037-5		GF1		28 329				LOAD SHEDDING STEP-3		S1300516-02/035-7							
	SPARE INPUT		S1300516-02/037-5				29 3													
	SPARE INPUT		S1300516-02/037-5		GF1		30 330													
	SPARE INPUT		S1300516-02/037-6				31 3													
	SPARE INPUT		S1300516-02/037-6		GF1		32 331													
	SPARE INPUT		S1300516-02/037-6				33 3													
	SPARE INPUT		S1300516-02/037-6		GF1		34 332													
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	SPARE INPUT		S1300516-02/037-7		GF1		36 333													
	SPARE INPUT		S1300516-02/037-7				37 3													
SPARE INPUT		S1300516-02/037-8				38 334														
SPARE INPUT		S1300516-02/037-8		GF1		39 3														
SPARE INPUT		S1300516-02/037-8				40 335														
SPARE INPUT		S1300516-02/037-9		GF1		41 336														
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SPARE INPUT		S1300516-02/037-10		GF1		43 338														
SPARE INPUT		S1300516-02/037-10				44 339		GF1												
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		OFF	S1300516-02/042-5		BUS-A VOLTAGE (N)	S1300516-02/027-5				
		ON	S1300516-02/042-5		BUS-A VOLTAGE (L1)	S1300516-02/027-5				
		COMMON ON/OFF	S1300516-02/042-5		BUS-A VOLTAGE (L2)	S1300516-02/027-5				
		FAULT-TRIP (NC)	S1300516-02/042-5		BUS-A VOLTAGE (L3)	S1300516-02/027-5				
		FAULT-TRIP (NO)	S1300516-02/042-6							
		COMMON FAULT-TRIP	S1300516-02/042-6							
		TRIP (NC)	S1300516-02/042-7							
		TRIP (NO)	S1300516-02/042-8							
		COMMON TRIP	S1300516-02/042-8							
B		START PERMISSIVE ESD SYSTEM	S1300516-02/044-3		AQ1 CURRENT TEST TERMINAL	S1300516-02/022-3				
		MAIN CONTROL SYSTEM	S1300516-02/044-4		AQ1 CURRENT TEST TERMINAL	S1300516-02/022-3				
		START PERMISSIVE ESD SYSTEM	S1300516-02/044-3		AQ1 CURRENT TEST TERMINAL	S1300516-02/022-3				
		MAIN CONTROL SYSTEM	S1300516-02/044-4		AQ1 CURRENT TEST TERMINAL	S1300516-02/022-3				
		RUN STATUS TO MCS	S1300516-02/044-6		AQ1 CURRENT TEST TERMINAL	S1300516-02/022-3				
		RUN STATUS TO MCS	S1300516-02/044-6		AQ1 CURRENT TEST TERMINAL	S1300516-02/022-3				
		STOP STATUS TO MCS	S1300516-02/044-6		AQ1 CURRENT TEST TERMINAL	S1300516-02/022-3				
		STOP STATUS TO MCS	S1300516-02/044-7		AQ1 CURRENT TEST TERMINAL	S1300516-02/022-3				
C		EXTERNAL SUPPLY 110V DC (-)	S1300516-02/018-1		AGQ1 CURRENT TEST TERMINAL	S1300516-02/027-4				
		EXTERNAL SUPPLY 110V DC (+)	S1300516-02/018-2		AGQ1 CURRENT TEST TERMINAL	S1300516-02/027-3				
		EXTERNAL SUPPLY 230V AC (N)	S1300516-02/018-7		AGQ1 CURRENT TEST TERMINAL	S1300516-02/027-4				
		EXTERNAL SUPPLY 230V AC (L)	S1300516-02/018-7		AGQ1 CURRENT TEST TERMINAL	S1300516-02/027-3				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/027-4				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/027-3				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/027-4				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/026-5				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/026-4				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/026-5				
D					AGQ1 CURRENT TEST TERMINAL	S1300516-02/026-4				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/026-5				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/026-4				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/026-5				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/026-4				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/026-5				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/026-4				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/026-5				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/026-4				
					AGQ1 CURRENT TEST TERMINAL	S1300516-02/026-5				

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A	COMMENT		PAGE		TERMINAL		COMMENT		PAGE		TERMINAL		COMMENT		PAGE		TERMINAL																						
	GQ1 CURRENT TEST TERMINAL		S1300516-02/034-3				AGQ1 VOLTAGE TEST TERMINAL		S1300516-02/027-5				AGQ1 VOLTAGE TEST TERMINAL		S1300516-02/027-5																								
	GQ1 CURRENT TEST TERMINAL		S1300516-02/034-3				AGQ1 VOLTAGE TEST TERMINAL		S1300516-02/027-5				AGQ1 VOLTAGE TEST TERMINAL		S1300516-02/027-5																								
B	G1Q1 CURRENT TEST TERMINAL		S1300516-02/039-3				AGQ1 VOLTAGE TEST TERMINAL		S1300516-02/027-5				AGQ1 VOLTAGE TEST TERMINAL		S1300516-02/027-5																								
	G1Q1 CURRENT TEST TERMINAL		S1300516-02/039-3				AGQ1 VOLTAGE TEST TERMINAL		S1300516-02/027-5				AGQ1 VOLTAGE TEST TERMINAL		S1300516-02/027-5																								
	G1Q1 CURRENT TEST TERMINAL		S1300516-02/039-3				AGQ1 VOLTAGE TEST TERMINAL		S1300516-02/027-5				AGQ1 VOLTAGE TEST TERMINAL		S1300516-02/027-5																								
C	AQ1 VOLTAGE TEST TERMINAL		S1300516-02/022-5				GQ1 VOLTAGE TEST TERMINAL		S1300516-02/034-5				GQ1 VOLTAGE TEST TERMINAL		S1300516-02/034-5																								
	AQ1 VOLTAGE TEST TERMINAL		S1300516-02/022-5				GQ1 VOLTAGE TEST TERMINAL		S1300516-02/034-5				GQ1 VOLTAGE TEST TERMINAL		S1300516-02/034-5																								
	AQ1 VOLTAGE TEST TERMINAL		S1300516-02/022-5				GQ1 VOLTAGE TEST TERMINAL		S1300516-02/034-5				GQ1 VOLTAGE TEST TERMINAL		S1300516-02/034-5																								
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COMMON FAULT (NO)		S1300516-02/042-5		T1X1/5		COMMON FAULT (NO)		S1300516-02/042-7		T1X1/6									
COMMON FAULT (NO)		S1300516-02/042-7				COMMON FAULT (NO)		S1300516-02/042-7		T1X1/5									
COMMON TRIP (NO)		S1300516-02/042-7		T1X1/9		COMMON TRIP (NO)		S1300516-02/042-9		T1X1/9									
COMMON TRIP (NO)		S1300516-02/042-9		T1X1/8		COMMON TRIP (NO)		S1300516-02/042-9		T1X1/8									
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