

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



Blokset solutions

Blokset offers industry-leading performance and advanced smart solutions for power distribution and motor control, bringing you increased reliability, efficiency and productivity - for even the toughest challenges.



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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

de colisage

PL No 3079

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 Weight in 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		
		NET	Gross	Column No/Colonne no	PANEL NO/n° de Cellule	Storage Code/Code de Stockage								
					Net	brut								
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

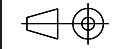
CUSTOMER :

USER :

ORDER NO : S13005.16

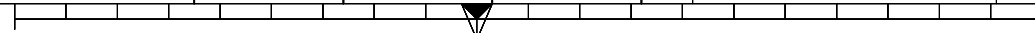
USER NO :

14-SW-5-1



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

Rev	Date	Modification	Name	Visa	Name	Visa	Name	Visa	Archive
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	06-11-2013	EQUIPPED SPARE	ISU		AKA		HUT		
C	03-10-2013	CUSTOMER COMMENT	ISU		AKA		HUT		
A	03-07-2013	First Issue	ISU		AKA		HUT		



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SHEET	SUMMARY PAGE	REVISION										SHEET	DESIGNATION	REVISION									
		A	C	K											A	C	F	G	K				
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															

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MISCELLANEOUS COMPONENTS

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

MISCELLANEOUS COMPONENTS

IEC SYMBOL	DESCRIPTION
(S)	MAKE CONTACT
(S)	BREAK CONTACT
(S)	CHANGE OVER BREAK
(S)	THERMAL FAULT CONTACT N/O
(S)	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
(S)	SWITCH DISCONNECTOR
(S)	DISCONNECTOR
(S)	CABLE
(S)	EARTH-GROUND

MISCELLANEOUS COMPONENTS

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

MISCELLANEOUS COMPONENTS

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

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

SYMBOL LIST
14-SW-5-1



S1300516-02
Cubicle Type: BLOKSET
Rev: K
Sheet: 003

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<p align="center">STANDARDS</p> <p>TYPE TESTED ASSEMBLIES IEC 61439-1, VDE 0660, DIN 41-488, BS 5486, EN 439-1</p>	<p align="center">POWER SUPPLY</p> <p>RATED SERVICE VOLTAGE..... : 690V SWITCHBOARD RATED CURRENT..... : 630A</p> <p>RATED SHORT TIME WITHSTAND CURRENT (Isc)..... : 50kA/1s *THE RATING VALUES SPECIFIED IN THE DRAWINGS ARE NOMINAL VALUES</p>	<p align="center">SUPPLY OF AUXILIARIES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>AUXILIARY CIRCUITS</th> <th>VOLTAGE (V)</th> <th>TYPE AC DC</th> <th>FREQUENCY (Hz)</th> <th>SOURCE IN</th> <th>OUT</th> </tr> </thead> <tbody> <tr> <td>INCOMER/ BUS TIE MOTOR</td> <td>110V</td> <td><input type="checkbox"/> AC <input checked="" type="checkbox"/> DC</td> <td>..</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>INCOMER/ BUS TIE CONTROL</td> <td>110V</td> <td><input type="checkbox"/> AC <input checked="" type="checkbox"/> DC</td> <td>..</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>INCOMER/ BUS TIE SIGNALISATION</td> <td>110V</td> <td><input type="checkbox"/> AC <input checked="" type="checkbox"/> DC</td> <td>..</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>FEEDERS CONTROL</td> <td>240V 24V</td> <td><input checked="" type="checkbox"/> AC <input type="checkbox"/> DC</td> <td>50Hz</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>FEEDERS SIGNALISATION</td> <td>24V</td> <td><input type="checkbox"/> AC <input type="checkbox"/> DC</td> <td>50Hz</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>SWITCHGEAR LIGHTING</td> <td>240V</td> <td><input checked="" type="checkbox"/> AC <input type="checkbox"/> DC</td> <td>50Hz</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>SWITCHGEAR HEATERS</td> <td>240V</td> <td><input checked="" type="checkbox"/> AC <input type="checkbox"/> DC</td> <td>50Hz</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </tbody> </table>	AUXILIARY CIRCUITS	VOLTAGE (V)	TYPE AC DC	FREQUENCY (Hz)	SOURCE IN	OUT	INCOMER/ BUS TIE MOTOR	110V	<input type="checkbox"/> AC <input checked="" type="checkbox"/> DC	..	<input type="checkbox"/>	<input checked="" type="checkbox"/>	INCOMER/ BUS TIE CONTROL	110V	<input type="checkbox"/> AC <input checked="" type="checkbox"/> DC	..	<input type="checkbox"/>	<input checked="" type="checkbox"/>	INCOMER/ BUS TIE SIGNALISATION	110V	<input type="checkbox"/> AC <input checked="" type="checkbox"/> DC	..	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FEEDERS CONTROL	240V 24V	<input checked="" type="checkbox"/> AC <input type="checkbox"/> DC	50Hz	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FEEDERS SIGNALISATION	24V	<input type="checkbox"/> AC <input type="checkbox"/> DC	50Hz	<input type="checkbox"/>	<input type="checkbox"/>	SWITCHGEAR LIGHTING	240V	<input checked="" type="checkbox"/> AC <input type="checkbox"/> DC	50Hz	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SWITCHGEAR HEATERS	240V	<input checked="" type="checkbox"/> AC <input type="checkbox"/> DC	50Hz	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p align="center">PROTECTION CLASS/ SEGREGATION</p> <p>PROTECTION CLASS <input checked="" type="checkbox"/> IP 31 <input type="checkbox"/> IP 42 <input type="checkbox"/> IP 54 <input checked="" type="checkbox"/> IP 2X FOR DOOR OPEN</p> <p>IP42: 1 VENTILATION FAN FOR EACH 3 CUBICLES IS COMPULSORY.</p> <p>SEGREGATION <input type="checkbox"/> FORM 1 <input type="checkbox"/> FORM 2b <input checked="" type="checkbox"/> FORM 3b <input type="checkbox"/> FORM 4b</p>
AUXILIARY CIRCUITS	VOLTAGE (V)	TYPE AC DC	FREQUENCY (Hz)	SOURCE IN	OUT																																														
INCOMER/ BUS TIE MOTOR	110V	<input type="checkbox"/> AC <input checked="" type="checkbox"/> DC	..	<input type="checkbox"/>	<input checked="" type="checkbox"/>																																														
INCOMER/ BUS TIE CONTROL	110V	<input type="checkbox"/> AC <input checked="" type="checkbox"/> DC	..	<input type="checkbox"/>	<input checked="" type="checkbox"/>																																														
INCOMER/ BUS TIE SIGNALISATION	110V	<input type="checkbox"/> AC <input checked="" type="checkbox"/> DC	..	<input type="checkbox"/>	<input checked="" type="checkbox"/>																																														
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SWITCHGEAR HEATERS	240V	<input checked="" type="checkbox"/> AC <input type="checkbox"/> DC	50Hz	<input type="checkbox"/>	<input checked="" type="checkbox"/>																																														
<p align="center">GENERAL CHARACTERISTICS</p> <p>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)</p>	<p align="center">NEUTRAL OPERATION</p> <p><input checked="" type="checkbox"/> IT <input type="checkbox"/> TT <input type="checkbox"/> TNC <input type="checkbox"/> TNS</p>	<p align="center">WIRING</p> <p>TYPE OF POWER CABLES <input checked="" type="checkbox"/> HALOGEN FREE <input checked="" type="checkbox"/> FLAME RETARDANT</p> <p>COATING OF POWER CABLES <input checked="" type="checkbox"/> BARE COPPER <input type="checkbox"/> TINNED COPPER</p> <p>TYPE OF CONTROL CABLES <input checked="" type="checkbox"/> HALOGEN FREE <input checked="" type="checkbox"/> FLAME RETARDANT</p> <p>COATING OF CONTROL CABLES <input checked="" type="checkbox"/> BARE COPPER <input type="checkbox"/> TINNED COPPER</p> <p>INSULATION LEVEL <input type="checkbox"/> 750 V <input checked="" type="checkbox"/> 1000 V</p> <p>OPERATING TEMPERATURE <input checked="" type="checkbox"/> 70 °C <input type="checkbox"/> 90 °C</p> <p>COLOUR <input checked="" type="checkbox"/> ALL IN BLACK <input type="checkbox"/> ALL</p>	<p align="center">LABELING</p> <p>LANGUAGE <input checked="" type="checkbox"/> ENGLISH / FRENCH <input type="checkbox"/> TURKISH <input type="checkbox"/> TURKISH/ ENGLISH</p> <p>MOUNTING TYPE <input checked="" type="checkbox"/> SCREWED <input type="checkbox"/> ADHESIVE <input type="checkbox"/> RIVETED</p> <p>* SEE THE LABEL PAGE FOR LABEL SPECIFICATIONS.</p> <p>CABLE CODING SYSTEM <input type="checkbox"/> ADDRESSED <input checked="" type="checkbox"/> NUMBERS</p>																																																
<p align="center">CLIMATIC CONDITION</p> <p>INSTALLATION..... : INDOOR ATMOSPHERE..... : CONDITIONED</p> <p>AMBIENT TEMPERATURE MINIMUM & MAXIMUM..... : -5 °C 40 °C DAILY AVERAGE AND DESIGN TEMPERATURE..... : 35 °C HUMIDITY..... : 11% 100% (WITH HEATER)</p> <p>ALTITUDE <input checked="" type="checkbox"/> <=2000m <input type="checkbox"/> > 2000m</p>	<p align="center">BUSBARS</p> <p>MATERIAL <input checked="" type="checkbox"/> 3P+PE <input type="checkbox"/> 3P+N+PE <input type="checkbox"/> 3P+PEN <input checked="" type="checkbox"/> COPPER <input type="checkbox"/> ALUMINIUM</p> <p>COATING <input checked="" type="checkbox"/> NO(BARE) <input type="checkbox"/> TIN <input type="checkbox"/> SILVER</p> <p>INSULATION MATERIAL BLACK EPOXY <input checked="" type="checkbox"/> INSULATED+ JOINTS BARE <input type="checkbox"/> INSULATED+ JOINTS TIN <input type="checkbox"/> INSULATED+ JOINTS SILVER</p> <p>EARTH <input checked="" type="checkbox"/> NO (BARE) <input type="checkbox"/> COATED</p> <p>NEUTRAL <input type="checkbox"/> SAME SECTION N=Ph <input type="checkbox"/> HALF SECTION N=Ph/2</p> <p>BUSBAR LABELS <input type="checkbox"/> STANDARD (BLACK LETTERS ON WHITE) <input checked="" type="checkbox"/> SPECIAL (L1:BROWN - L2:BLACK - L3:GREY)</p>	<p align="center">APPARATUS</p> <p>MOUNTING INCOMING OUTGOING</p> <p><input type="checkbox"/> FIXED <input type="checkbox"/> PLUG-IN</p> <p><input checked="" type="checkbox"/> DRAW-OUT (WITHDRAWABLE CIRCUIT BREAKER) <input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/> DRAW-OUT (WITHDRAWABLE CHASSIS FOR MOTOR STARTERS) <input checked="" type="checkbox"/></p>	<p align="center">TERMINALS</p> <p>TYPE <input checked="" type="checkbox"/> SCREWED <input type="checkbox"/> SPRING</p> <p>RESERVE <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES (%10)</p>																																																
<p align="center">ENCLOSURES</p> <p>TYPE COLOUR <input checked="" type="checkbox"/> BLOKSET <input type="checkbox"/> RAL 9002 <input checked="" type="checkbox"/> RAL 9003</p> <p>MAIN SHEET METAL THICKNESS..... : 2mm FORMATION SHEET METAL THICKNESS..... : 1-1.5mm PAINT THICKNESS..... : 80-120µ PAINT TYPE..... : ELECTROSTATIC POWDER PAINTING</p>	<p align="center">OPERATION</p> <p><input type="checkbox"/> BEHIND DOOR <input type="checkbox"/></p> <p><input checked="" type="checkbox"/> THROUGH DOOR <input checked="" type="checkbox"/></p> <p><input type="checkbox"/> FRONT PLATE+DOOR <input type="checkbox"/></p>	<p align="center">POWER CABLES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>POWER CABLES</th> <th>HEAT SHRINKING SLEEVES</th> </tr> </thead> <tbody> <tr> <td>EARTH (PE)</td> <td>--</td> </tr> <tr> <td>NEUTRAL</td> <td>--</td> </tr> <tr> <td>PHASE A (L1)</td> <td>BROWN</td> </tr> <tr> <td>PHASE B (L2)</td> <td>BLACK</td> </tr> <tr> <td>PHASE C (L3)</td> <td>GREY</td> </tr> </tbody> </table>	POWER CABLES	HEAT SHRINKING SLEEVES	EARTH (PE)	--	NEUTRAL	--	PHASE A (L1)	BROWN	PHASE B (L2)	BLACK	PHASE C (L3)	GREY	<p align="center">OPTIONS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>NO</th> <th>YES</th> </tr> </thead> <tbody> <tr> <td>EARTHQUAKE OPTION</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>SUPPLEMENTARY PLINTH</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>HEATER WITH THERMOSTAT</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>HEATER WITH HYGROSTAT</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>SWITCHGEAR LIGHTING (WITH DOOR SWITCH IN CABLE COMPARTMENTS)</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>VENTILATION FAN WITH THERMOSTAT</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>MIMIC DIAGRAM</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>		NO	YES	EARTHQUAKE OPTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SUPPLEMENTARY PLINTH	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HEATER WITH THERMOSTAT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HEATER WITH HYGROSTAT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SWITCHGEAR LIGHTING (WITH DOOR SWITCH IN CABLE COMPARTMENTS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VENTILATION FAN WITH THERMOSTAT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MIMIC DIAGRAM	<input checked="" type="checkbox"/>	<input type="checkbox"/>												
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<p align="center">CONNECTIONS</p> <p>CABLE COMPARTMENT ACCESS INCOMING OUTGOING <input checked="" type="checkbox"/> FRONT <input checked="" type="checkbox"/> REAR</p> <p>ENTRY FROM <input type="checkbox"/> TOP <input checked="" type="checkbox"/> BOTTOM</p> <p>ENTRY BY <input type="checkbox"/> BUS DUCT <input checked="" type="checkbox"/> CABLE</p> <p>TYPE OF CONNECTION <input type="checkbox"/> DIRECT <input checked="" type="checkbox"/> TO TERMINALS <input checked="" type="checkbox"/> TO LUGS</p>	<p align="center">LANGUAGE OF DRAWINGS</p> <p><input type="checkbox"/> TURKISH/ENGLISH <input checked="" type="checkbox"/> ENGLISH <input type="checkbox"/> TURKISH</p>	<p align="center">CONTROL CABLES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CONTROL CABLES</th> <th>COLOUR</th> <th>SECTION (mm2)</th> </tr> </thead> <tbody> <tr> <td>EARTH (PE)</td> <td>YELLOW-GREEN</td> <td>2.5</td> </tr> <tr> <td>VOLTAGE CIRCUIT</td> <td>--</td> <td>2.5</td> </tr> <tr> <td>CURRENT CIRCUIT</td> <td>--</td> <td>4</td> </tr> <tr> <td>AC CONTROL</td> <td>--</td> <td>1.5</td> </tr> <tr> <td>DC CONTROL POSITIVE POLE (+)</td> <td>--</td> <td>1.5</td> </tr> <tr> <td>DC CONTROL NEGATIVE POLE (-)</td> <td>--</td> <td>1.5</td> </tr> <tr> <td>LIGHTING CIRCUIT</td> <td>--</td> <td>2.5</td> </tr> <tr> <td>HEATING CIRCUIT</td> <td>--</td> <td>2.5</td> </tr> </tbody> </table>	CONTROL CABLES	COLOUR	SECTION (mm2)	EARTH (PE)	YELLOW-GREEN	2.5	VOLTAGE CIRCUIT	--	2.5	CURRENT CIRCUIT	--	4	AC CONTROL	--	1.5	DC CONTROL POSITIVE POLE (+)	--	1.5	DC CONTROL NEGATIVE POLE (-)	--	1.5	LIGHTING CIRCUIT	--	2.5	HEATING CIRCUIT	--	2.5	<p align="center">PARTICULAR NOTES</p> <p>CT's AND VT's ARE TROPICALIZED.</p>																					
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<p align="center">PACKING</p> <p>PACKING TYPE <input type="checkbox"/> WOODEN CAGE <input type="checkbox"/> FULLY ENCLOSED WOOD <input checked="" type="checkbox"/> OVERSEAS (C2 SEI-4C)</p>																																																			

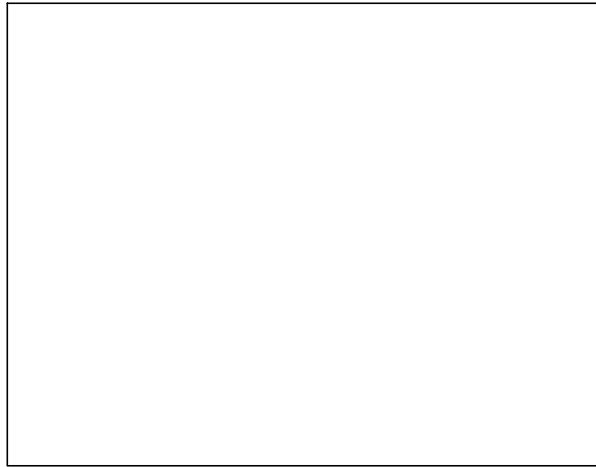
C	03-10-2013	CUSTOMER COMMENT	ISU				
B	25-07-2013	CUSTOMER COMMENT	ISU				
A	03-07-2013	First issue	ISU	K	03-06-2014	AS BUILT	ISU
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn

PANEL CHARACTERISTICS
14-SW-5-1

	S1300516-02		
	Cubicle Type BLOKSET	Rev K	Sheet 004

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CUBICLE CHARACTERISTIC Nameplate:

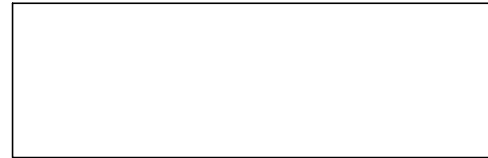


280mm

Material: PVC
Colour: BLACK IN WHITE BACKGROUND

150mm

CUBICLE Nameplate :



180mm

Material: PVC
Colour: BLACK IN WHITE BACKGROUND

50mm

FEEDER Nameplates :

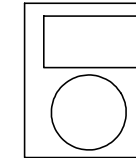


73mm

Material: PVC
Colour: BLACK IN WHITE BACKGROUND

16mm

LAMP-BUTTON Nameplates :



50mm

30mm

Material: PVC
Colour: BLACK IN WHITE BACKGROUND

COLUMN Nameplates :



80mm

Material: PVC
Colour: WHITE IN BLACK BACKGROUND

35mm

1 2 3 4 5 6 7 8 9 10

A

B

C

D

A

B

C

D

Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
K	03-06-2014	AS BUILT	ISU				
A	04-07-2013	First issue	ISU				

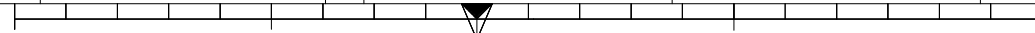
BLOKSET LABELS

14-SW-5-1



S1300516-02

Cubicle Type	Rev	Sheet
BLOKSET	K	005



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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.

Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
K	03-06-2014	AS BUILT	ISU				
H	24-03-2014	CUSTOMER COMMENT	ISU				
A	04-07-2013	First issue	ISU				

CUBICLE CHARACTERISTIC
 NAME PLATES ENGLISH
 14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 006

A
 B
 C
 D
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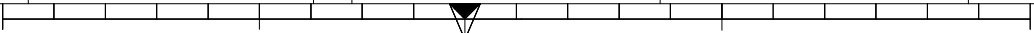
FABRICANT	: SCHNEIDER ELECTRIC, TURKEY
N° COMMANDE SCHNEIDER	: S13005.16
N° COMMANDE CLIENT	: CAC1208PR00019 / 9806J-0440-PO-1654-003
ANNEE DE FABRICATION	: 2014
NORMES APPLICABLES	: IEC 61439-1
TYPE D'EQUIPEMENTS	: BLOKSET
REPERE EQUIPEMENT	: 14-SW-5-1
INDICE DE PROTECTION	: IP31
COMPARTIMENTAGE	: FORM 3b
TENSION ASSIGNEE D'ISOLEMENT	: 690V
TENSION ASSIGNEE D'ISOLEMENT DU JEU DE BARRES PRINCIPAL	: 1000V
FREQUENCE ASSIGNEE	: 50Hz
TENSION DE TENUE FREQUENCE INDUSTRIELLE	: 2,2kV/1sn
TENSION DE TENUE A L'ONDE DE CHOC	: 12kV
TENSION DE SERVICE	: 690V - 3PH
COURANT DE COURT CIRCUIT DE COURTE DUREE ADMISSIBLE	: 50kA/ 1 SEC
COURANT ASSIGNE DU JEU DE BARRE PRINCIPAL	: 630A
NOM DU PROJET	: IMOURAREN URANIUM PROJECT
CONTRACTEUR / INGENIERIE	: TSU PROJECTS
CLIENT FINAL	: IMOURAREN S.A.

K	03-06-2014	AS BUILT	ISU						
H	24-03-2014	CUSTOMER COMMENT	ISU						
G	07-02-2014	First issue	ISU						
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn		

CUBICLE CHARACTERISTIC
 NAME PLATES FRENCH
 14-SW-5-1

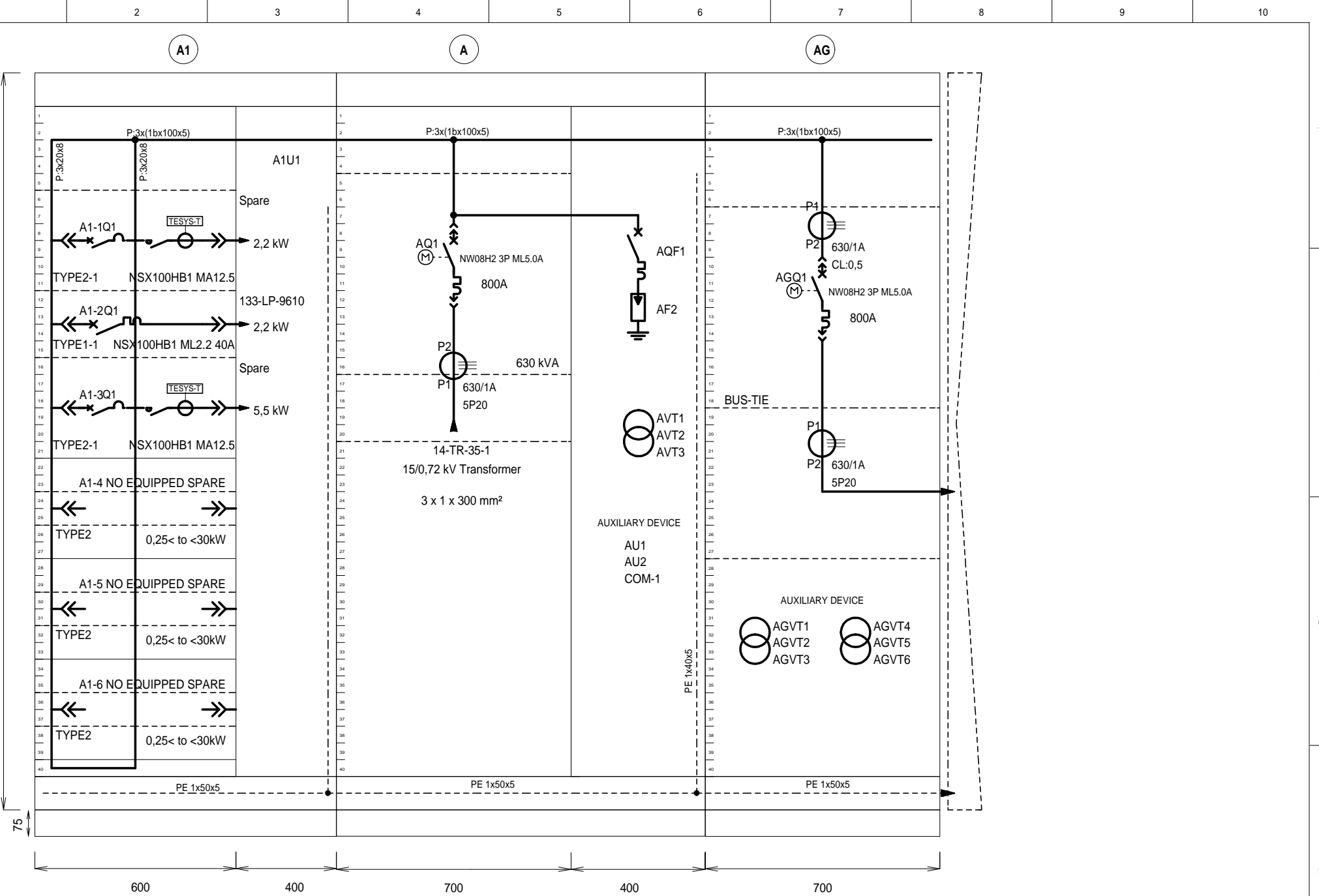


S1300516-02			
Cubicle Type	Rev	Sheet	
BLOKSET	K	007	



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2200



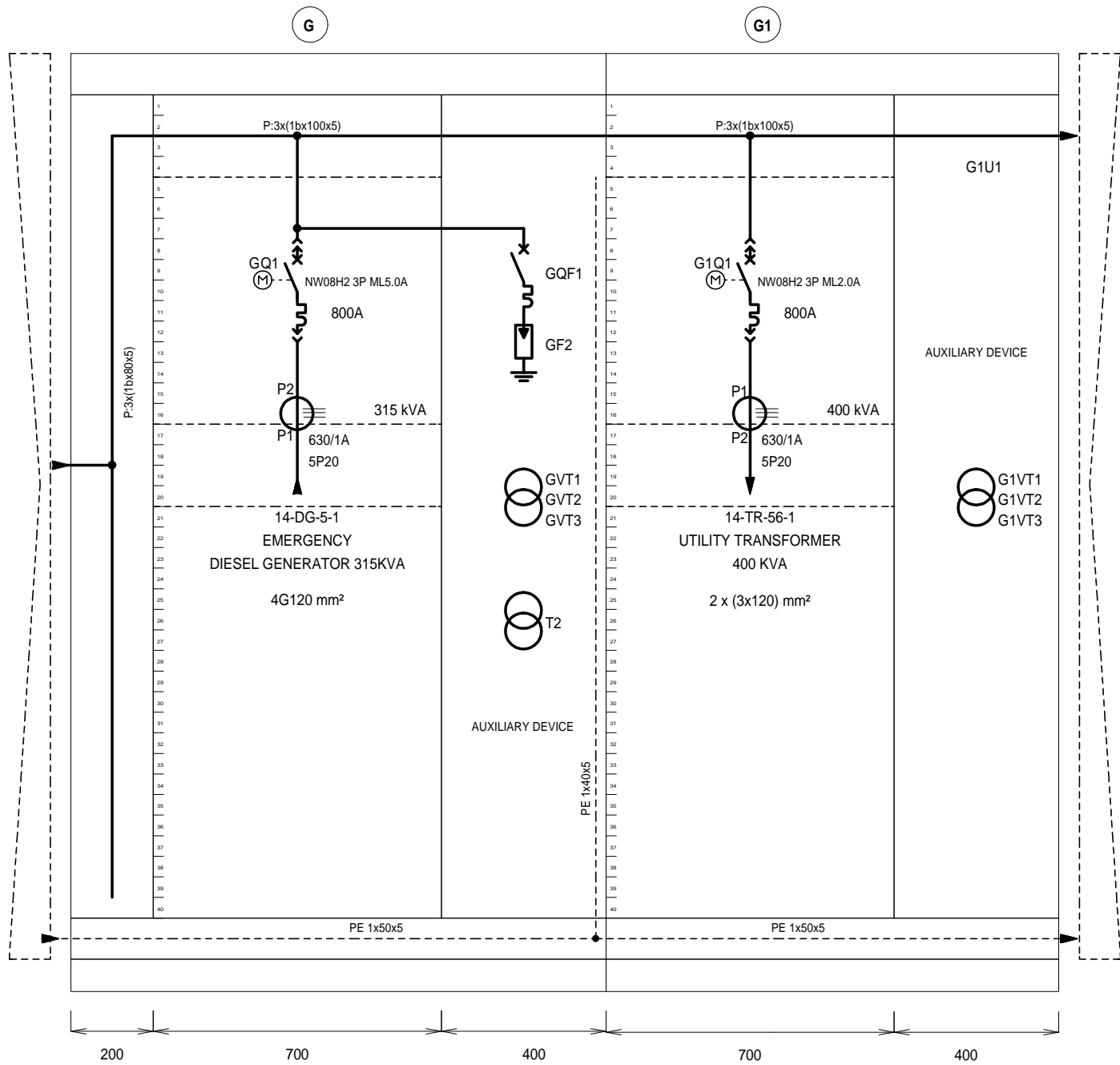
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F	21-01-2014	CUSTOMER COMMENT	ISU	J	02-05-2014	CUSTOMER COMMENT	ISU
A	03-07-2013	First issue	ISU	H	24-03-2014	CUSTOMER COMMENT	ISU

SINGLE LINE-1
14-SW-5-1



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Cubicle Type BLOKSET	Rev K	Sheet 008

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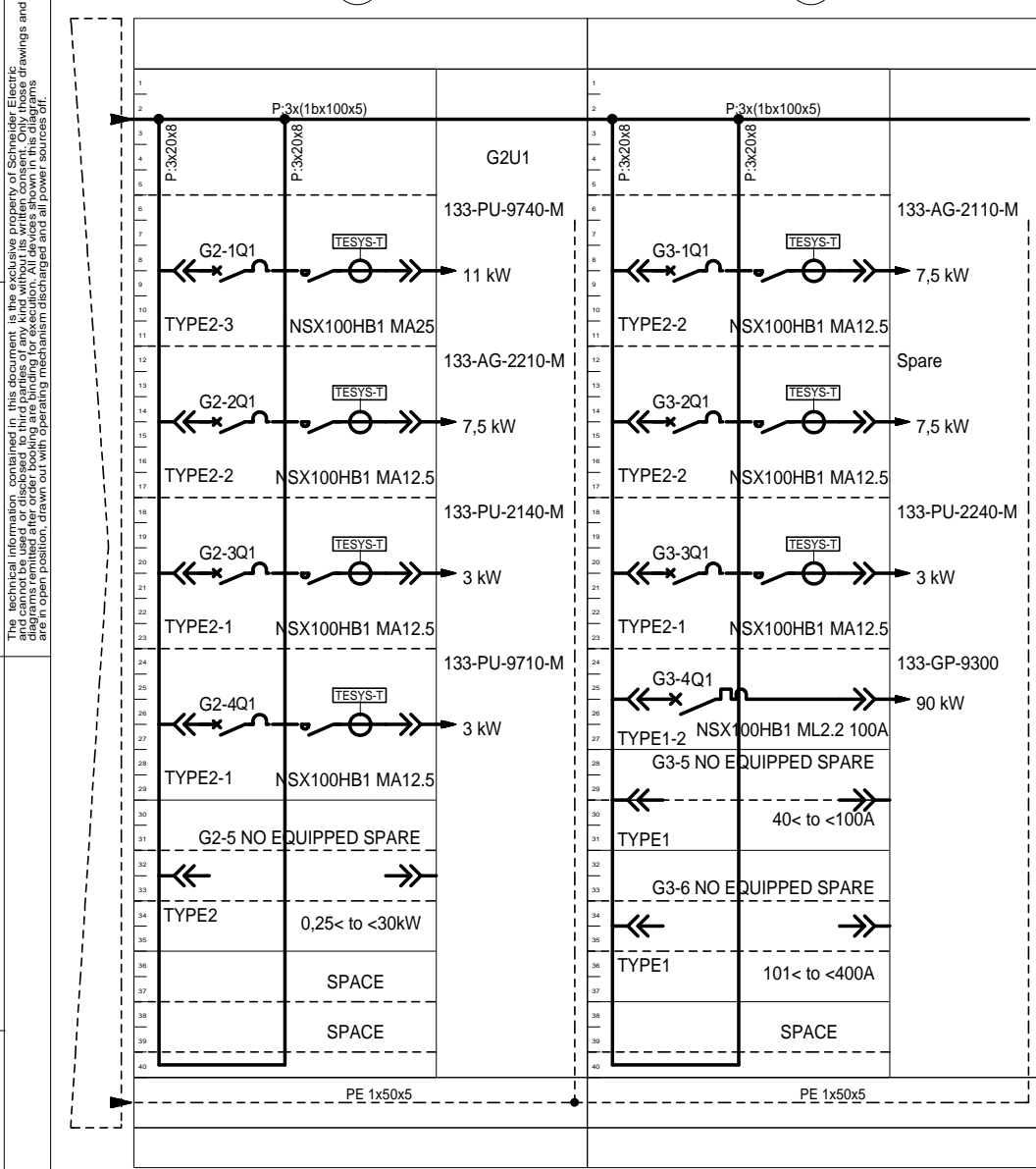


Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
C	03-10-2013	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
B	25-07-2013	CUSTOMER COMMENT	ISU	J	02-05-2014	CUSTOMER COMMENT	ISU
A	03-07-2013	First issue	ISU	G	07-02-2014	CB REVISION	ISU

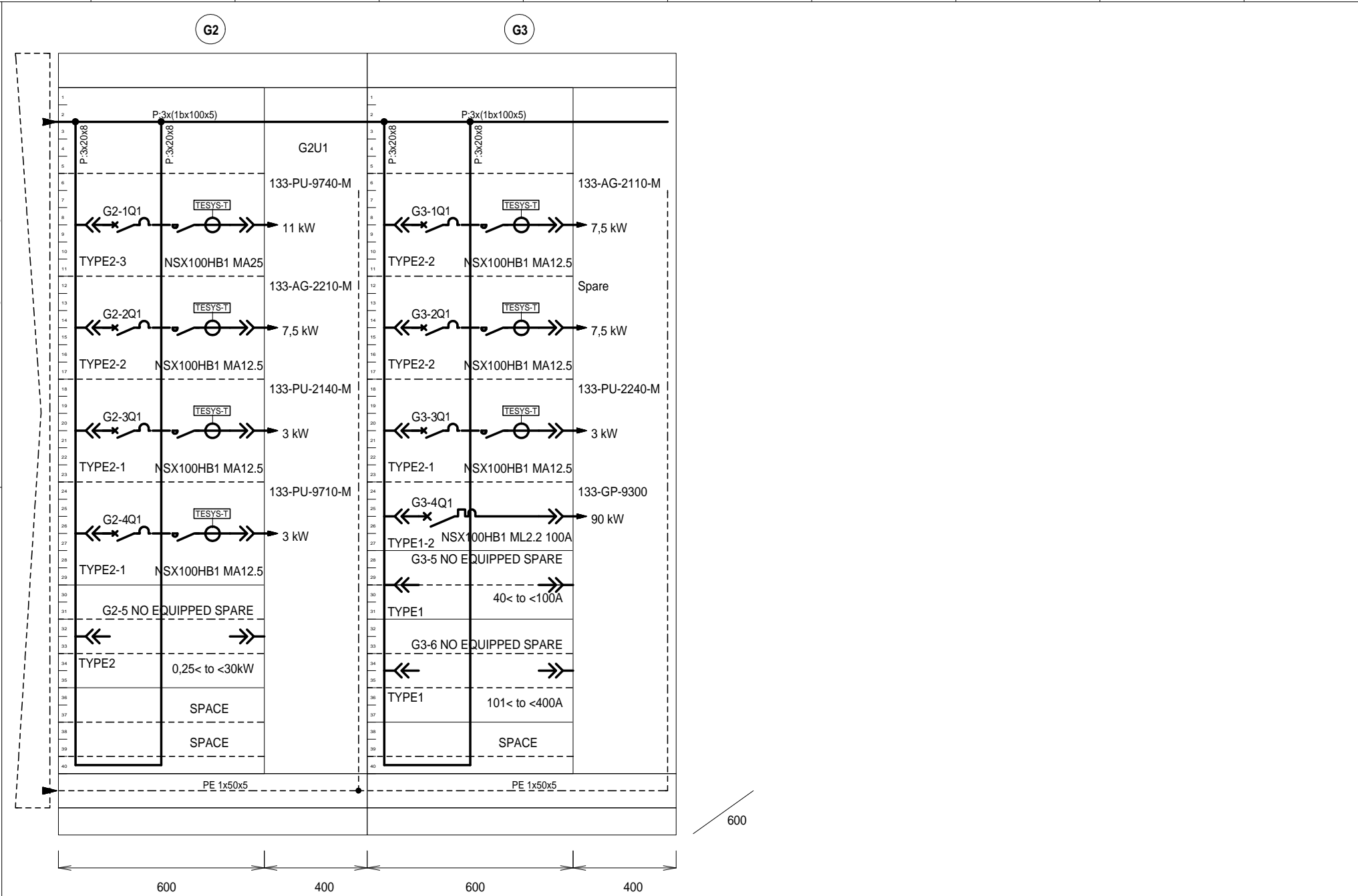
SINGLE LINE-2
14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 009



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Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
D	05-11-2013	EQUIPPED SPARE	ISU				
B	25-07-2013	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
A	03-07-2013	First issue	ISU	G	07-02-2014	CB REVISION	ISU

SINGLE LINE-3
14-SW-5-1



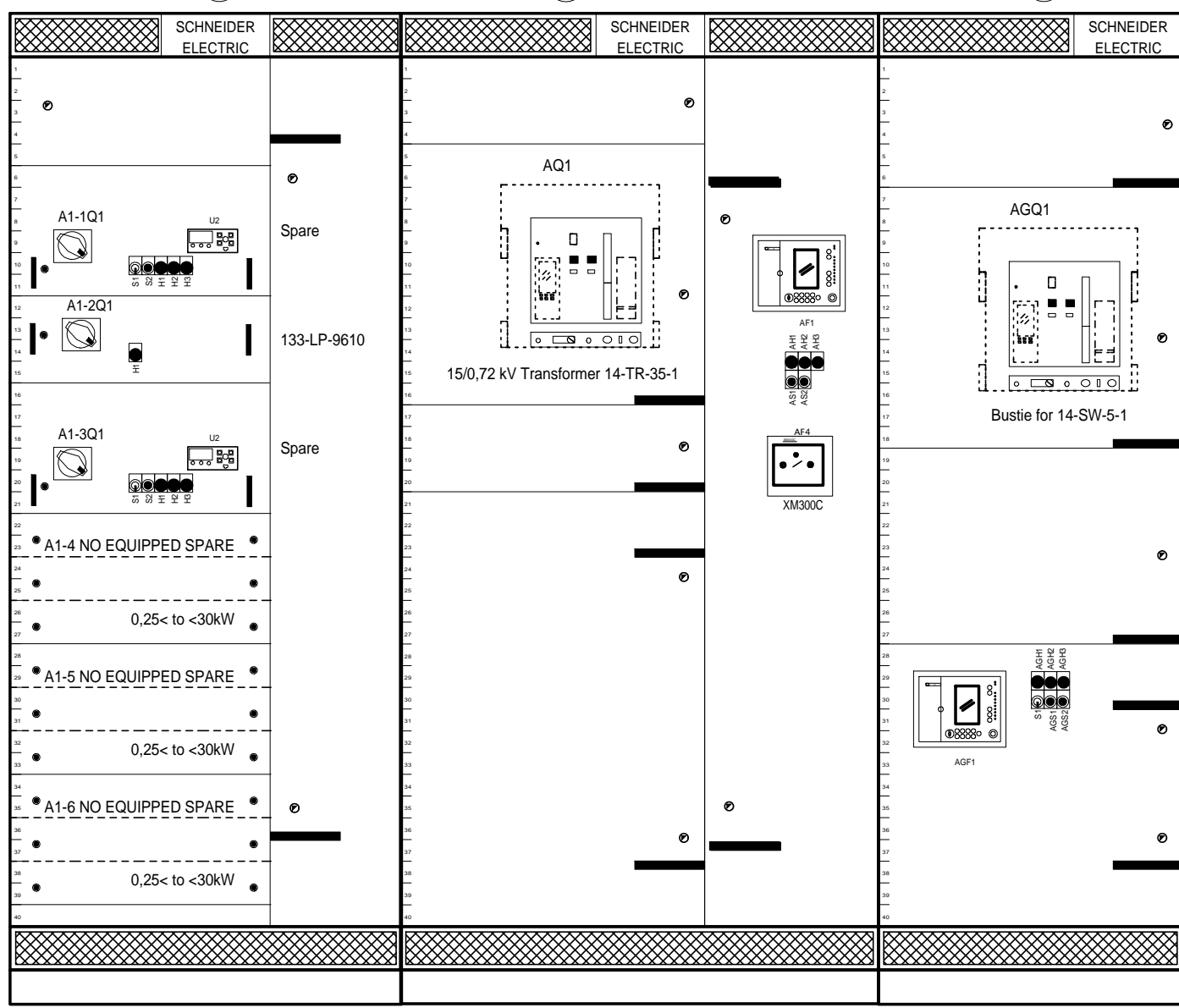
S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 010

600

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2200

75



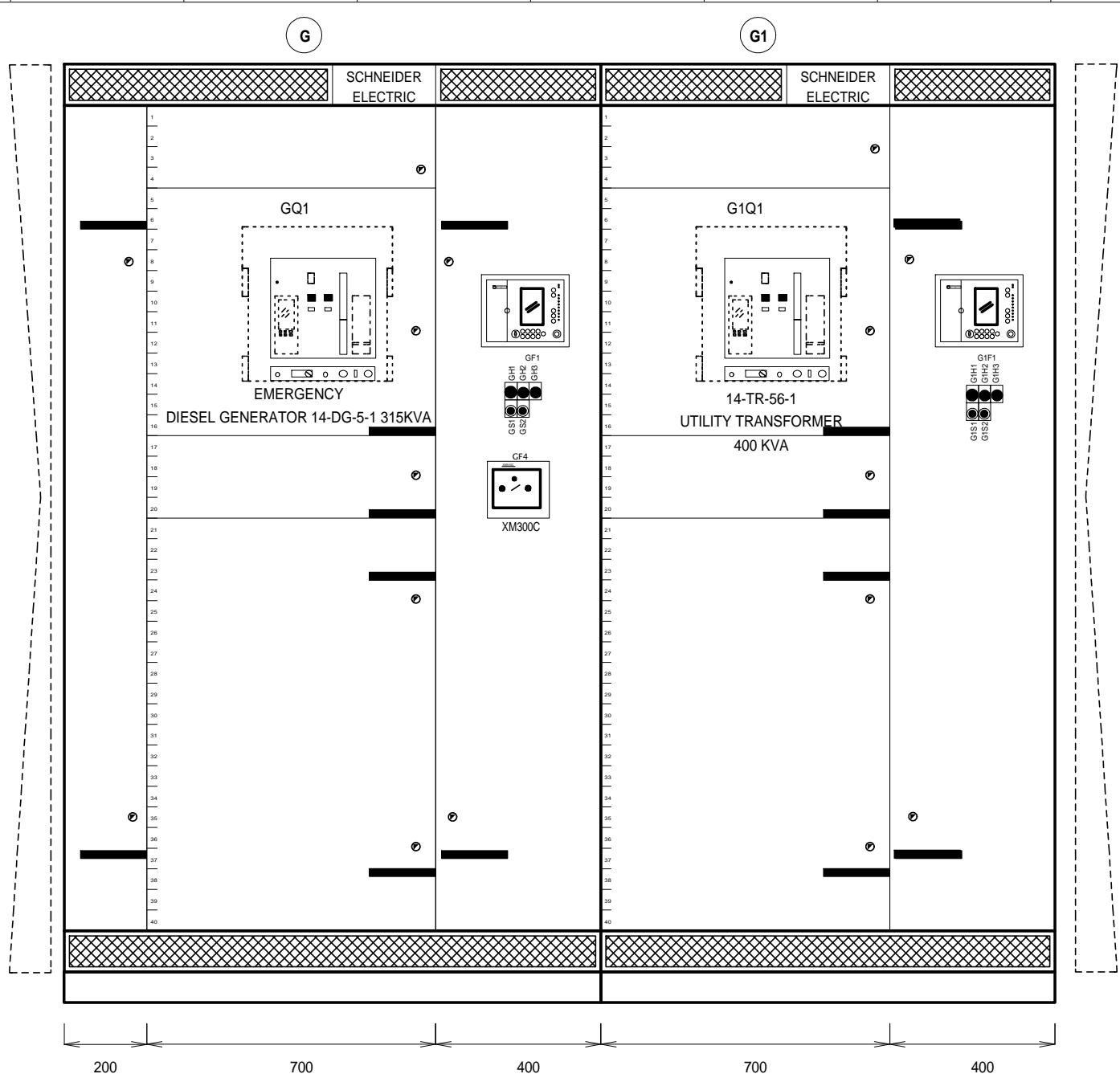
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
D	05-11-2013	EQUIPPED SPARE	ISU	K	03-06-2014	AS BUILT	ISU
C	03-10-2013	CUSTOMER COMMENT	ISU	I	14-04-2014	TRIP SIGNAL LAMP	ISU
A	03-07-2013	First issue	ISU	H	24-03-2014	CUSTOMER COMMENT	ISU

FRONT VIEW-1
14-SW-5-1



S1300516-02	
Cubicle Type BLOKSET	Rev K
Sheet 011	

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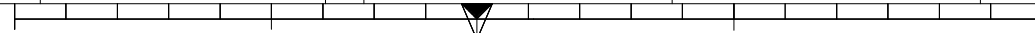


Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
C	03-10-2013	CUSTOMER COMMENT	ISU				
B	25-07-2013	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
A	03-07-2013	First issue	ISU	F	21-01-2014	CUSTOMER COMMENT	ISU

FRONT VIEW-2
14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 012

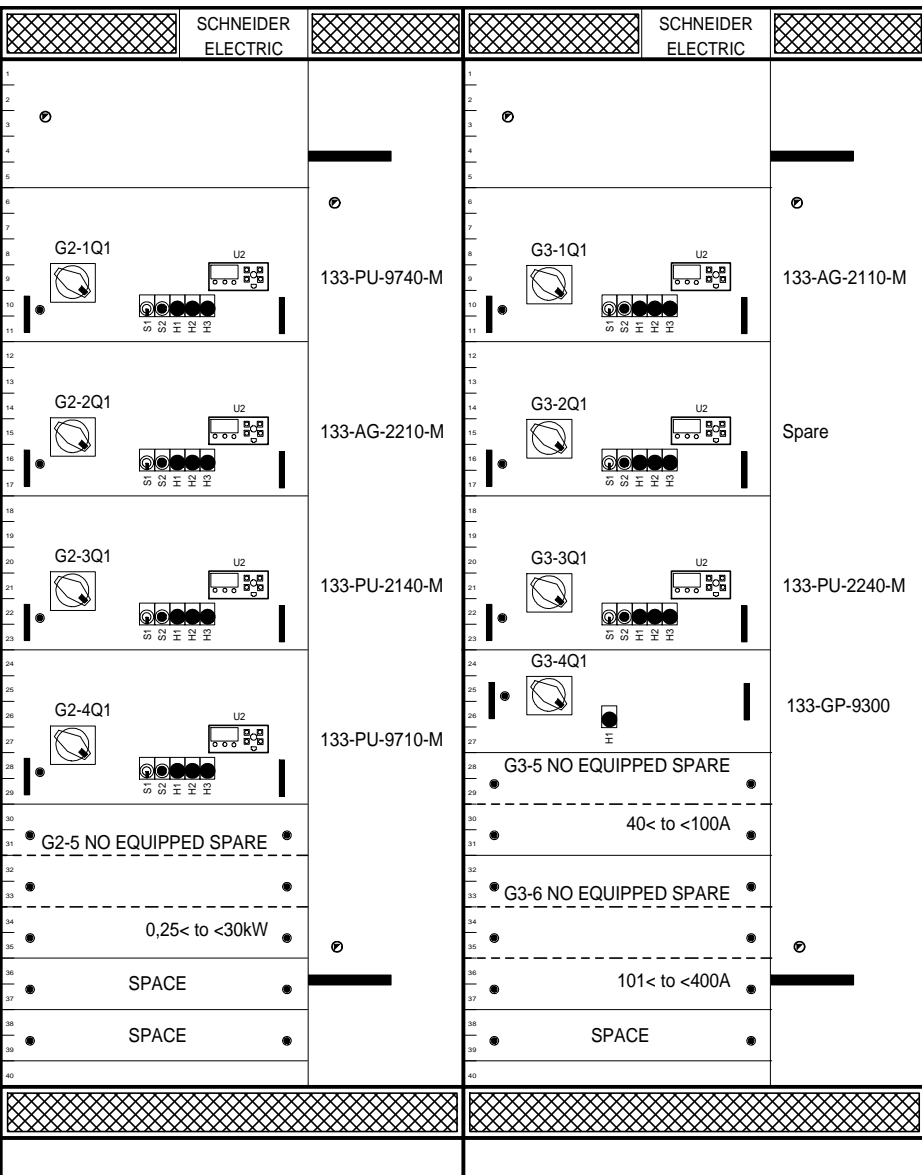


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1 2 3 4 5 6 7 8 9 10

G2

G3



1000 1000 25

Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
D	05-11-2013	EQUIPPED SPARE	ISU	K	03-06-2014	AS BUILT	ISU
B	25-07-2013	CUSTOMER COMMENT	ISU	I	14-04-2014	TRIP SIGNAL LAMP	ISU
A	03-07-2013	First issue	ISU	F	21-01-2014	CUSTOMER COMMENT	ISU

FRONT VIEW-3
14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 013

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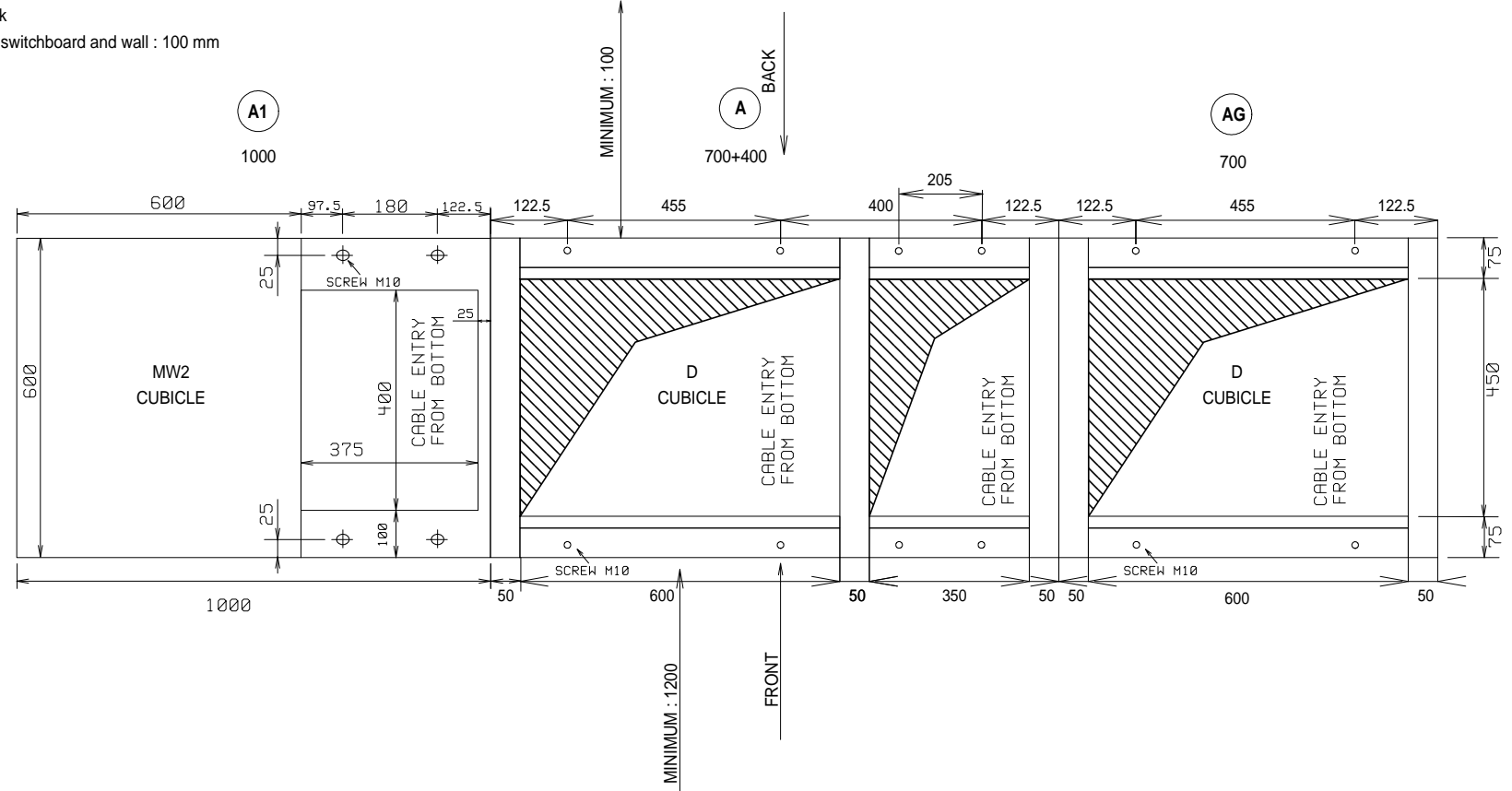
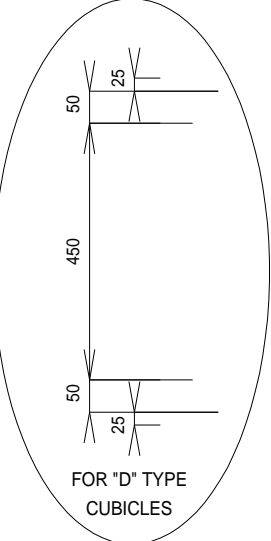
1 2 3 4 5 6 7 8 9 10

A
B
C
D

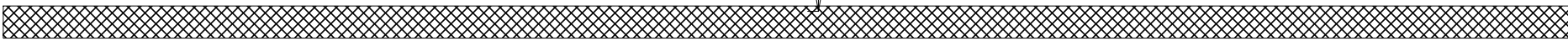
A
B
C
D



NOTE: No access by the back
minimum clearance between switchboard and wall : 100 mm



NOTE: PROVIDE MINIMUM 600mm OF FREE SPACE AT TOP.

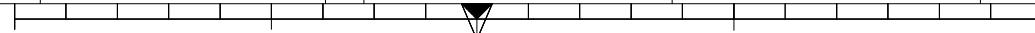


Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
E	03-12-2013	CIVIL DRAWINGS	ISU				
B	25-07-2013	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
A	03-07-2013	First issue	ISU	H	24-03-2014	CUSTOMER COMMENT	ISU

CIVIL PLAN-1
14-SW-5-1



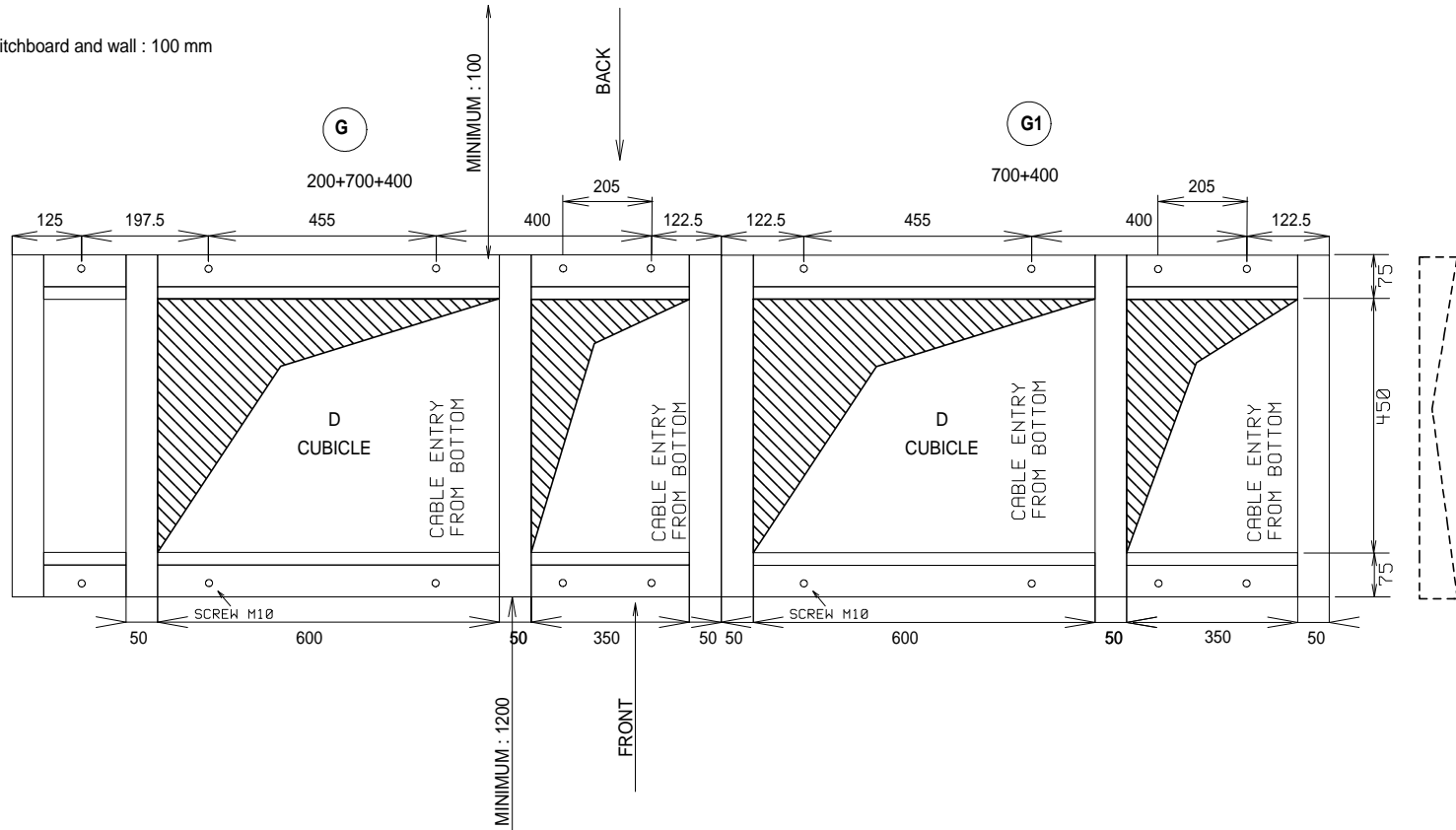
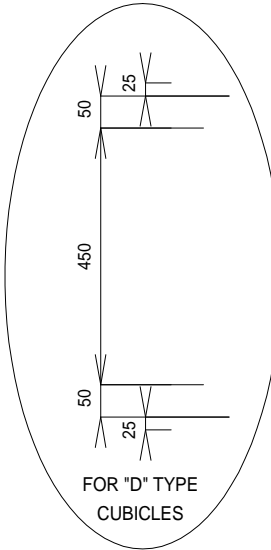
S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 014



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NOTE: No access by the back
 minimum clearance between switchboard and wall : 100 mm



NOTE: PROVIDE MINIMUM 600mm OF FREE SPACE AT TOP.



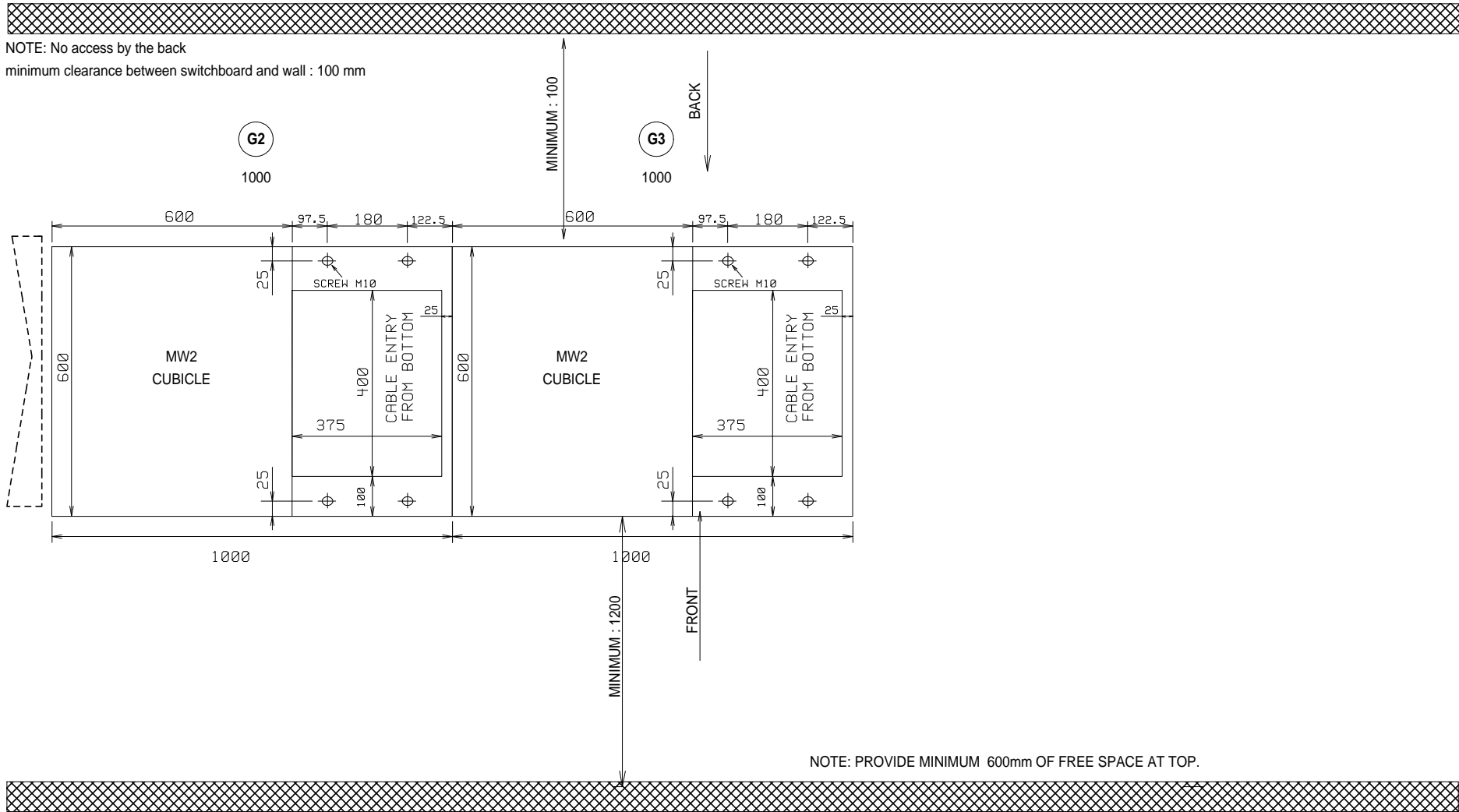
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
E	03-12-2013	CIVIL DRAWINGS	ISU				
B	25-07-2013	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
A	03-07-2013	First issue	ISU	H	24-03-2014	CUSTOMER COMMENT	ISU

CIVIL PLAN-2
 14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 015

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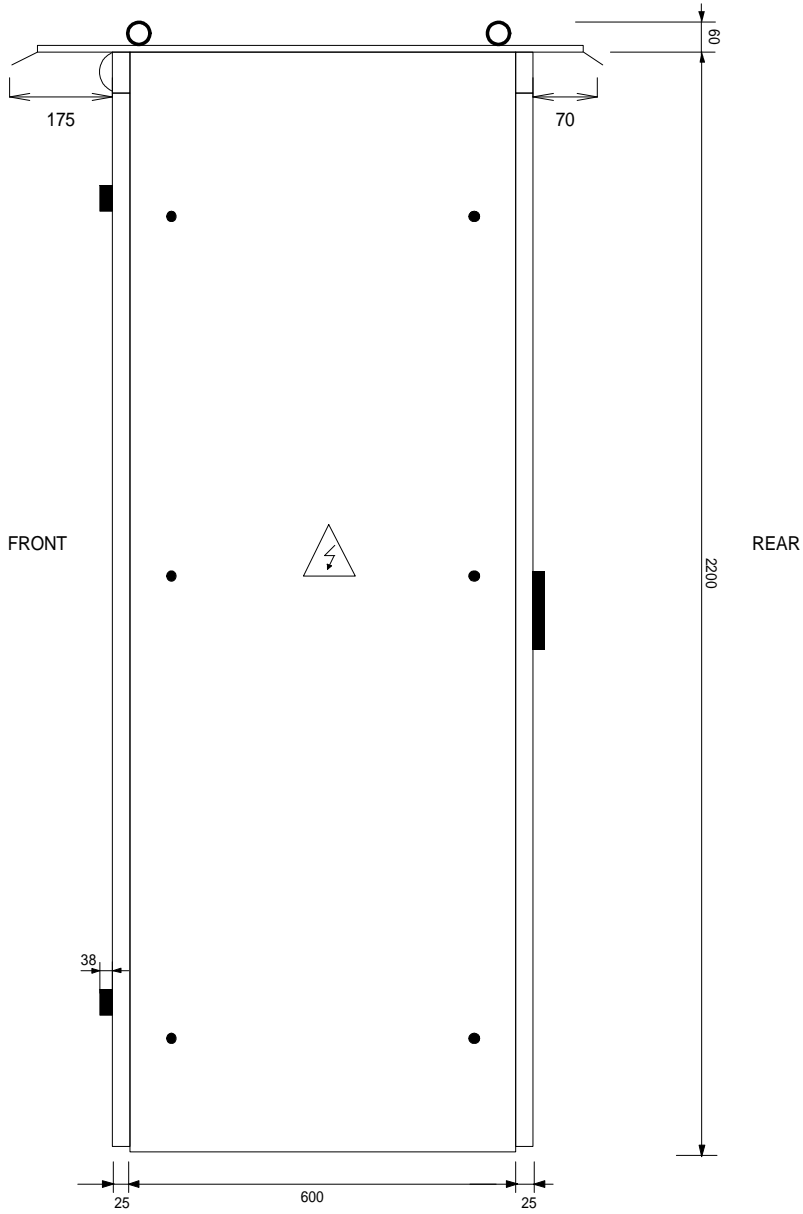
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E	03-12-2013	CIVIL DRAWINGS	ISU				
B	25-07-2013	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
A	03-07-2013	First issue	ISU	H	24-03-2014	CUSTOMER COMMENT	ISU

CIVIL PLAN-3
14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 016

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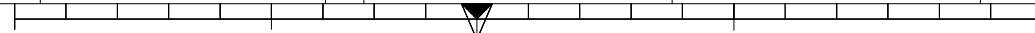


Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
K	03-06-2014	AS BUILT	ISU				
G	07-02-2014	First issue	ISU				

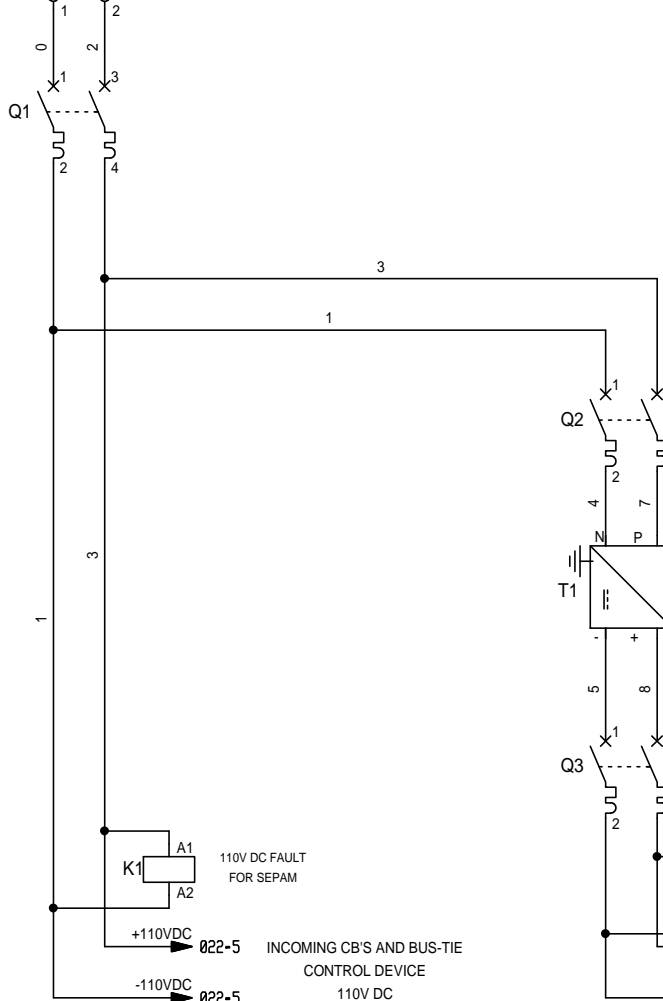
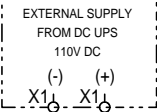
SIDE VIEW
14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 017

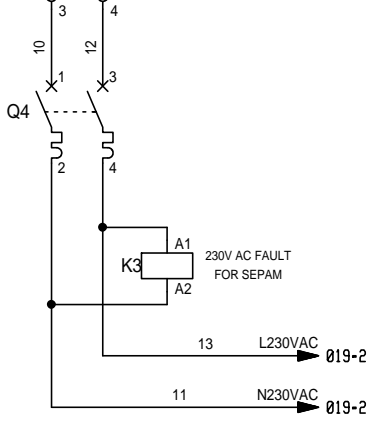
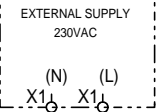


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14 12 11 031-7
 24 22 21 - -
 34 32 31 - -
 44 42 41 - -

14 12 11 031-6
 24 22 21 - -
 34 32 31 - -
 44 42 41 - -



14 12 11 031-6
 24 22 21 - -
 34 32 31 - -
 44 42 41 - -

HEATERS - LIGHTING AND
 INSULATING MONITORING
 CONTROL DEVICE
 230V AC

Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
K	03-06-2014	AS BUILT	ISU				
D	13-11-2013	EQUIPPED SPARE	ISU				
A	08-07-2013	First issue	ISU				

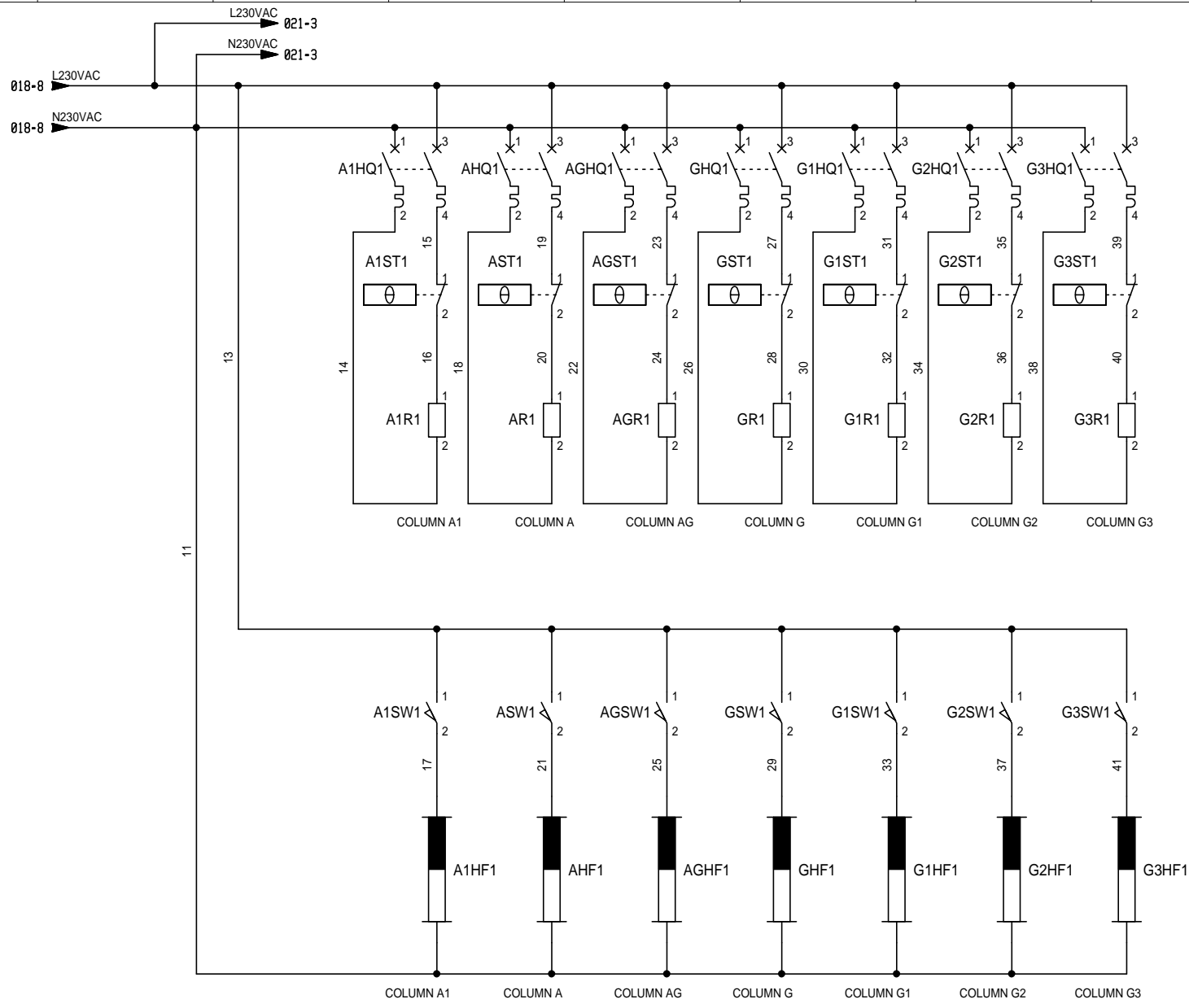
INCOMING AND EXTERNAL SUPPLY
 SCHEMATIC
 14-SW-5-1



S1300516-02

Cubicle Type	Rev	Sheet
BLOCKSET	K	018

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

HEATER AND LIGHTING SCHEMATIC
 14-SW-5-1



S1300516-02
 Cubicle Type: BLOKSET
 Rev: K
 Sheet: 019

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1 2 3 4 5 6 7 8 9 10

A

B

C

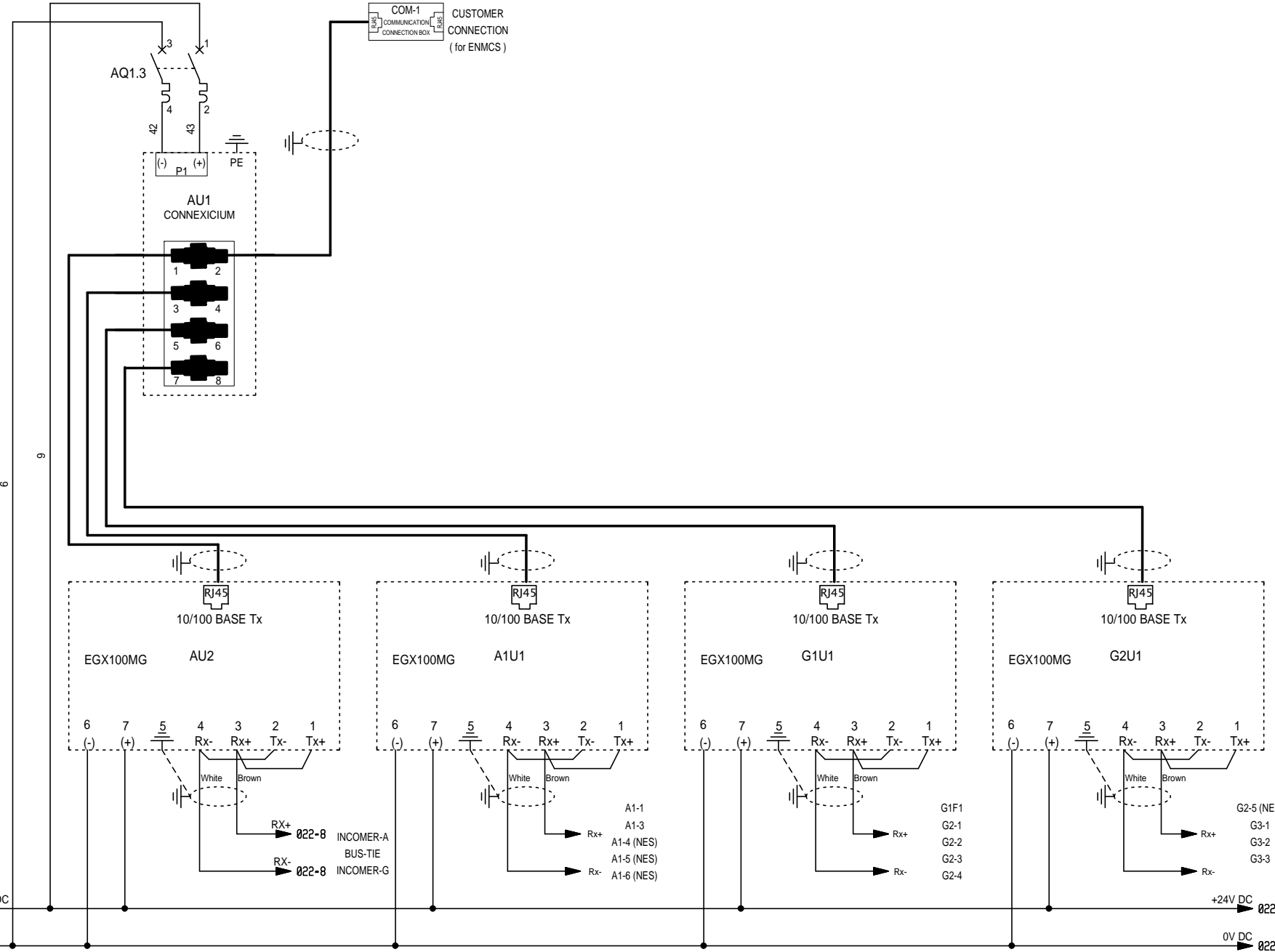
D

A

B

C

D



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 BLOKSET	Rev K	Sheet 020

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1 2 3 4 5 6 7 8 9 10

A

B

C

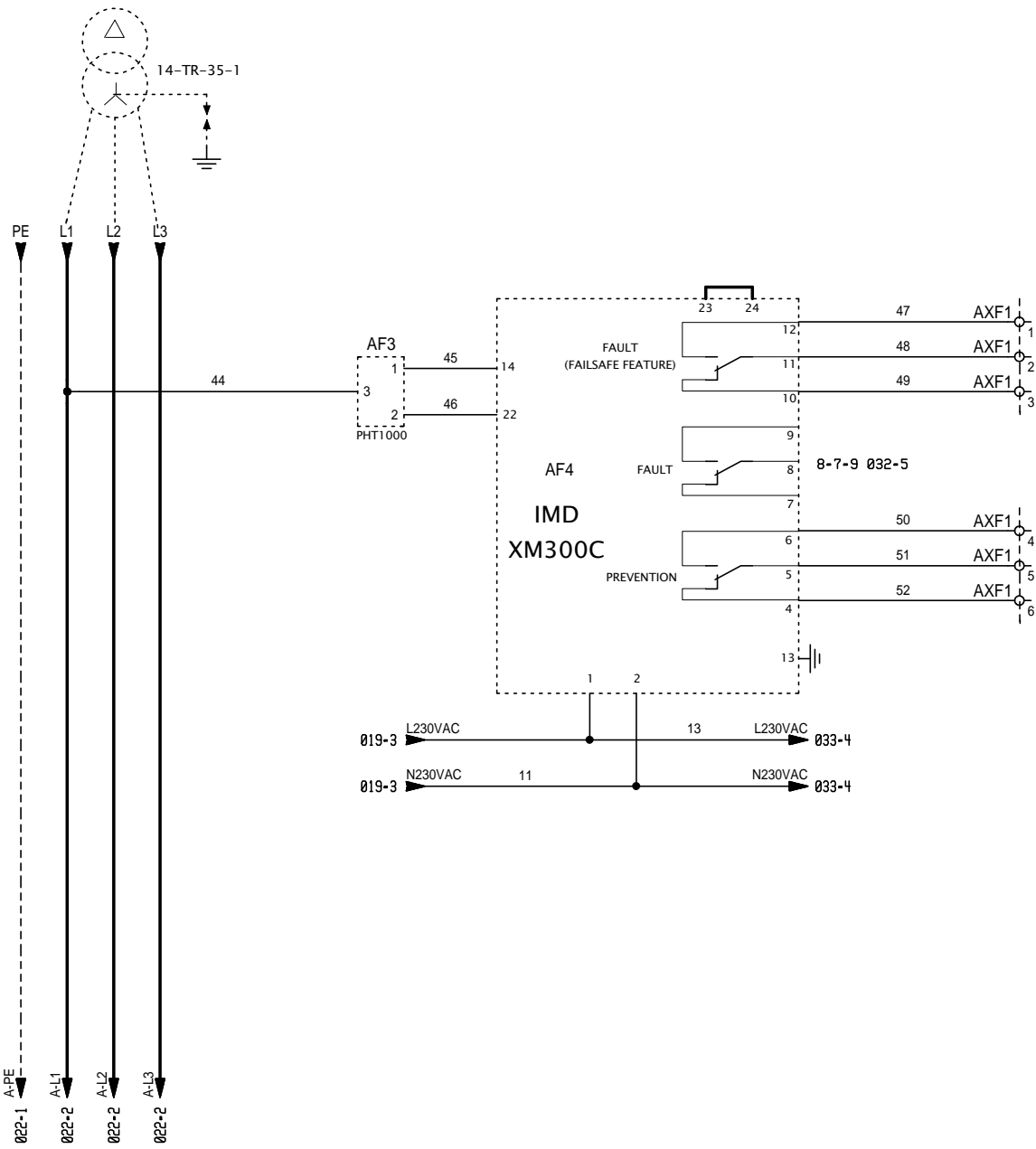
D

A

B

C

D



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

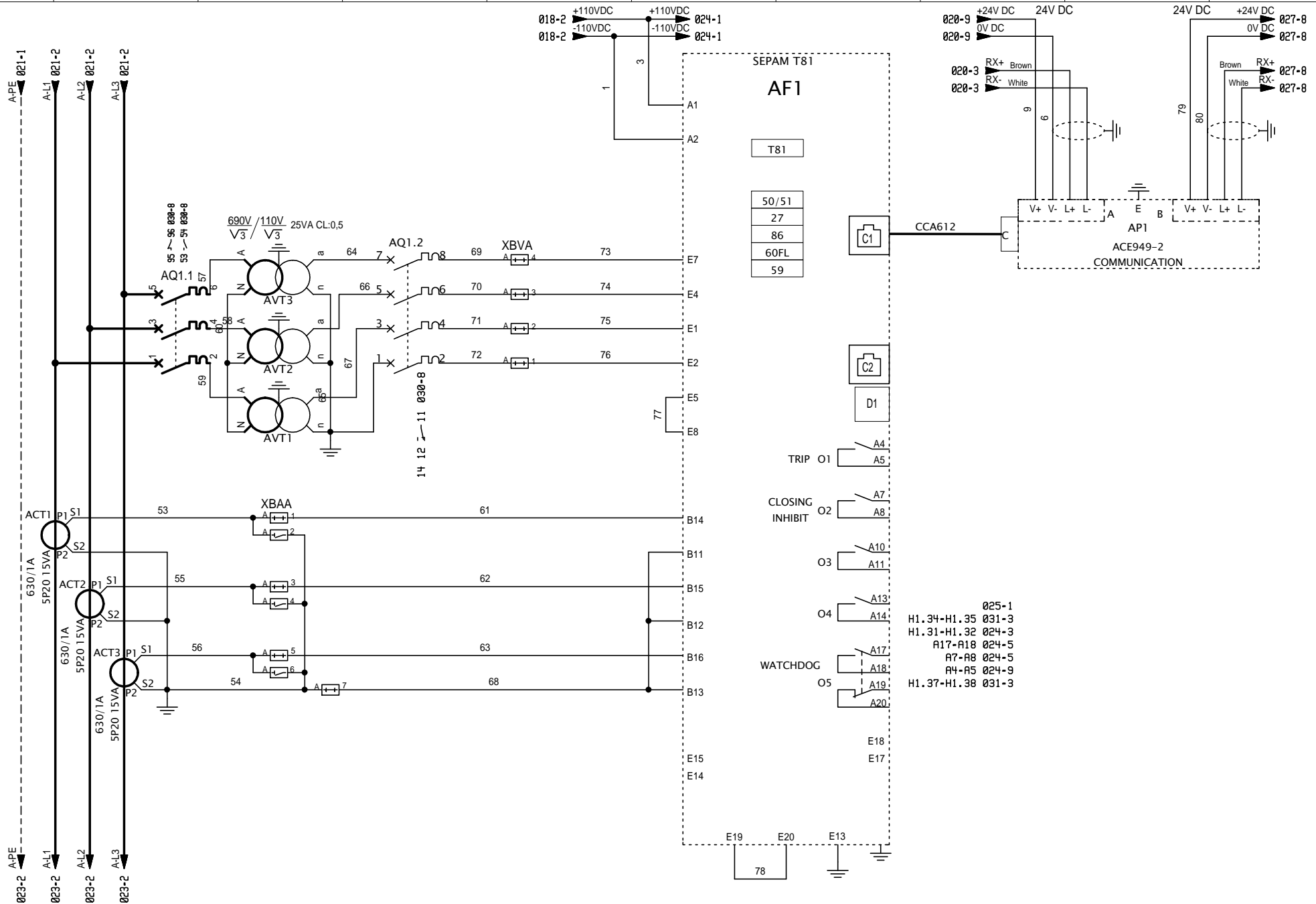
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A	03-07-2013	First issue	ISU	K	03-06-2014	AS BUILT		ISU
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn	

INCOMER-A SCHEMATIC-1
14-SW-5-1



S1300516-02
Cubicle Type: BLOKSET Rev: K Sheet: 021

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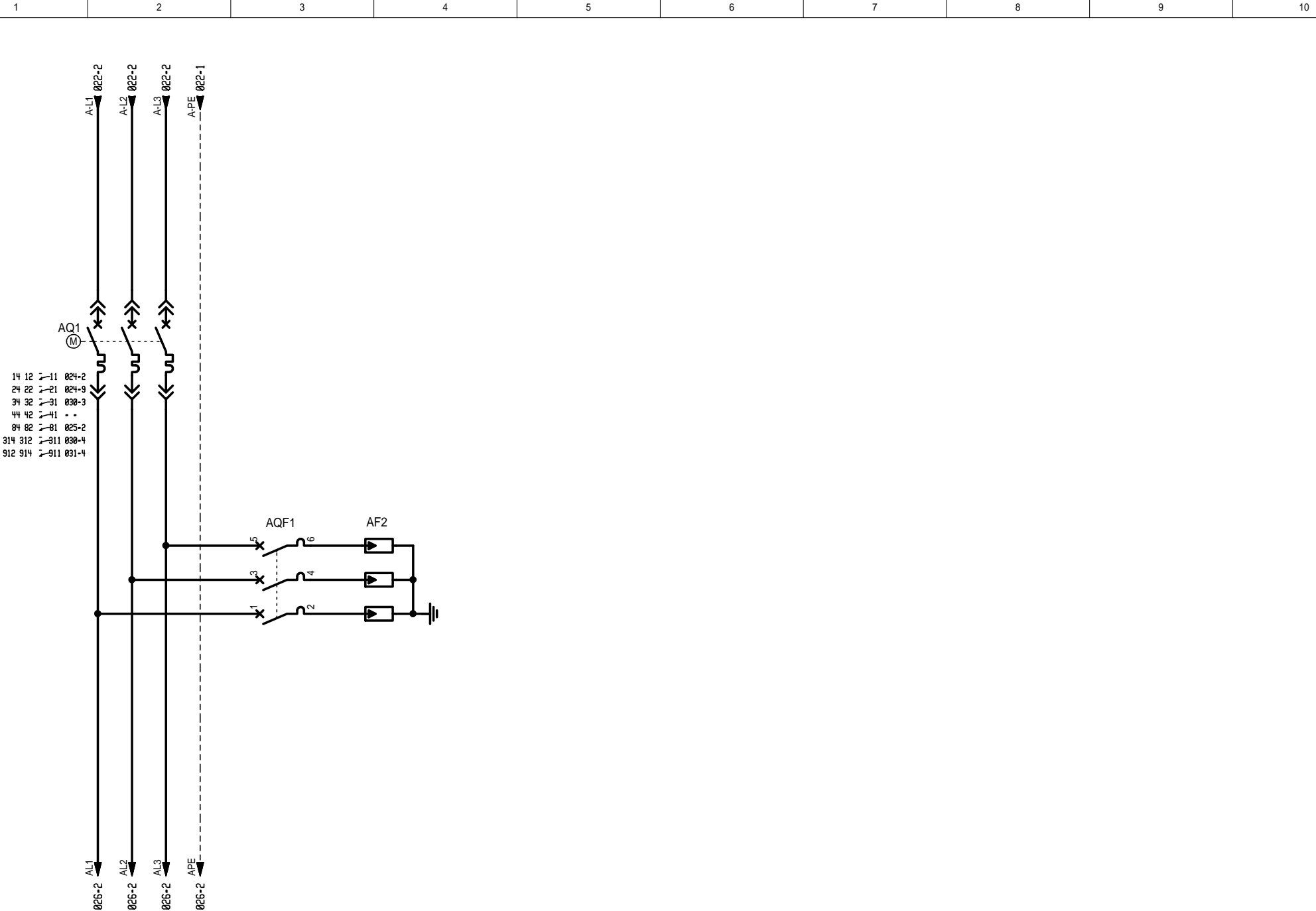
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A	09-07-2013	First issue	ISU	K	03-06-2014	AS BUILT	ISU
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn

INCOMING-A SEPAM
14-SW-5-1

S1300516-02

Cubicle Type	Rev	Sheet
BLOKSET	K	022

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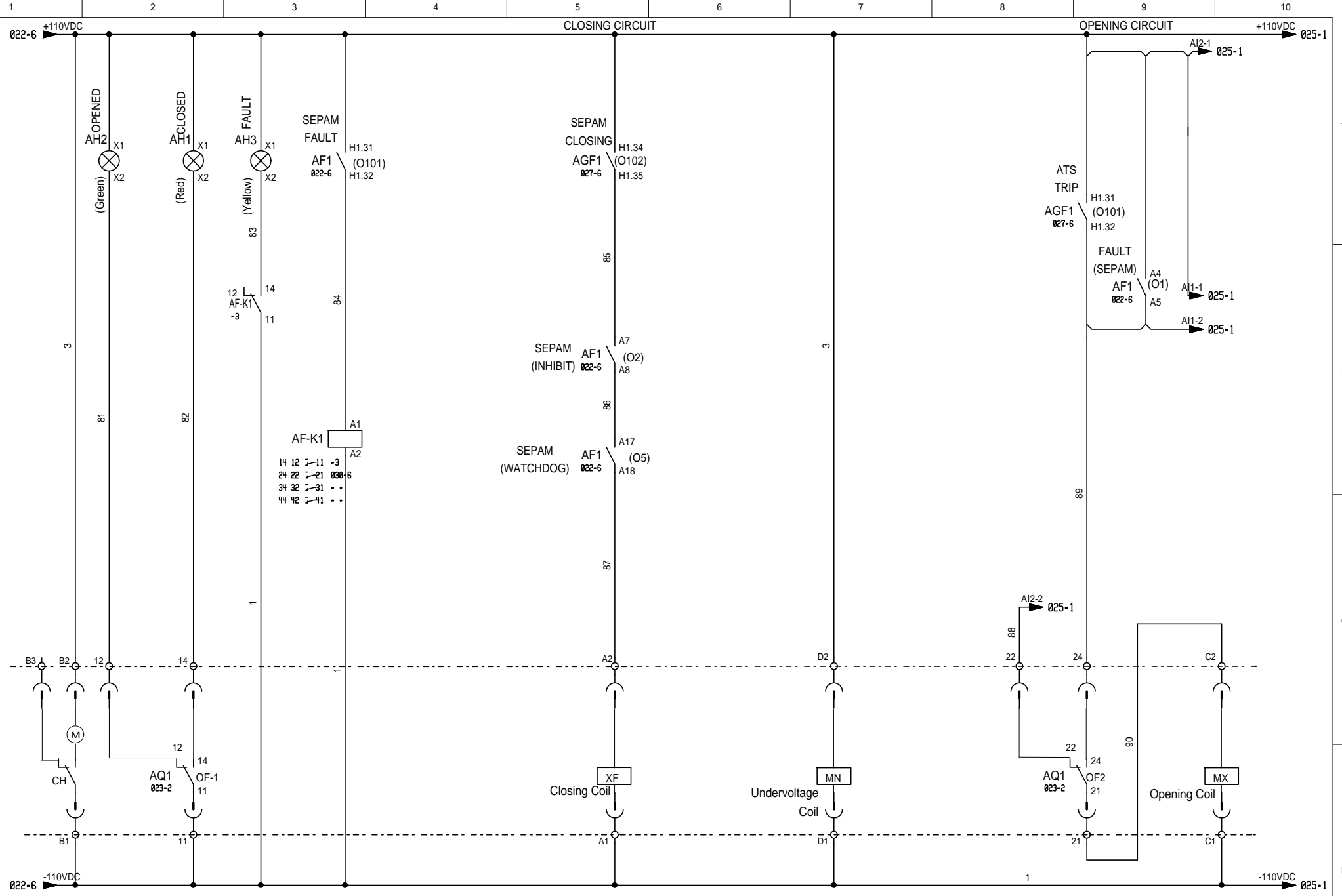
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D	13-11-2013	EQUIPPED SPARE	ISU	K	03-06-2014	AS BUILT	ISU
A	09-07-2013	First issue	ISU	G	07-02-2014	CB REVISION	ISU

INCOMING-A SCHEMATIC-1
14-SW-5-1



S1300516-02
Cubicle Type: BLOKSET
Rev: K
Sheet: 023

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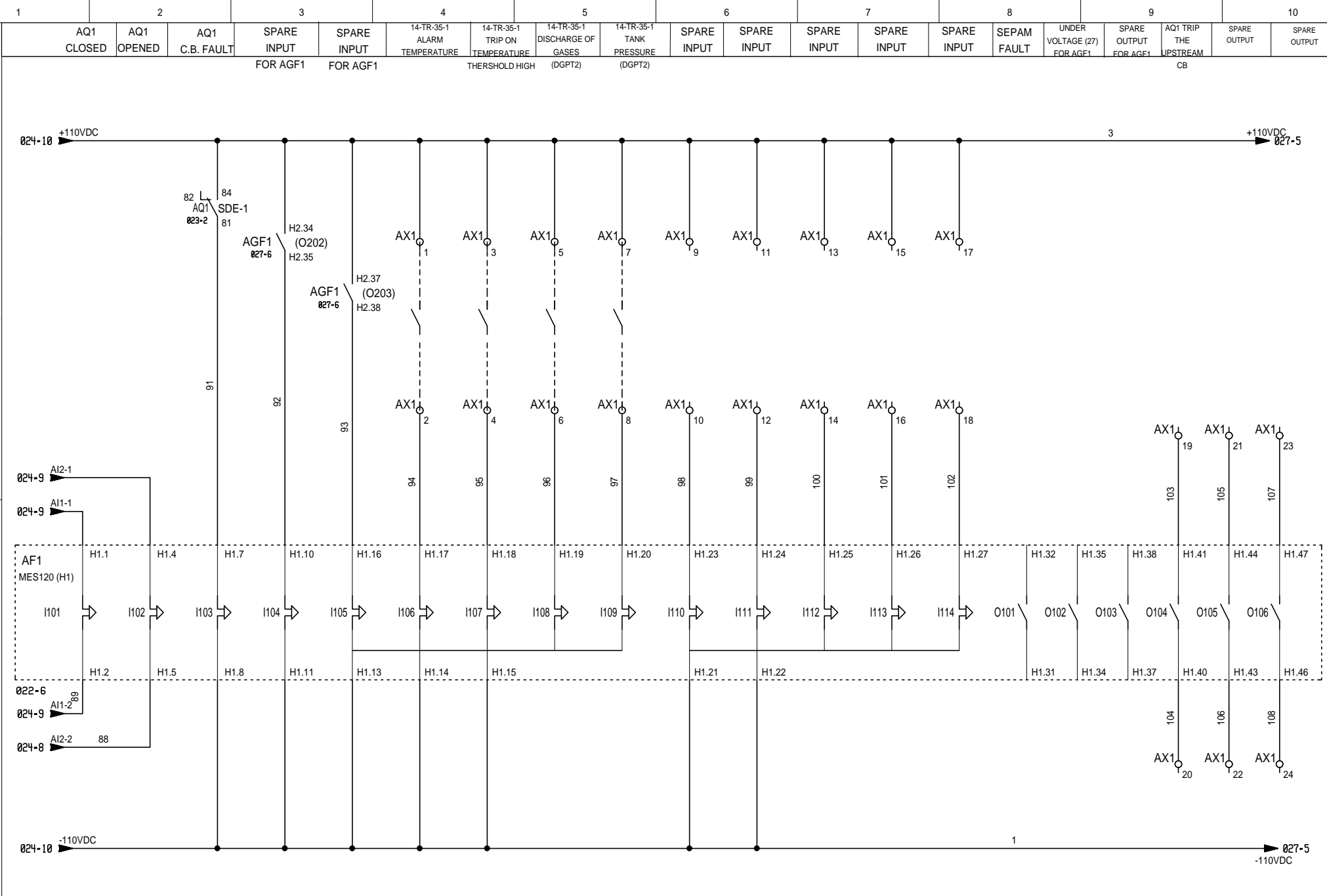
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
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C	03-10-2013	CUSTOMER COMMENT	ISU				
A	11-07-2013	First issue	ISU	K	03-06-2014	AS BUILT	ISU

INCOMING-A SCHEMATIC-2
14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 024

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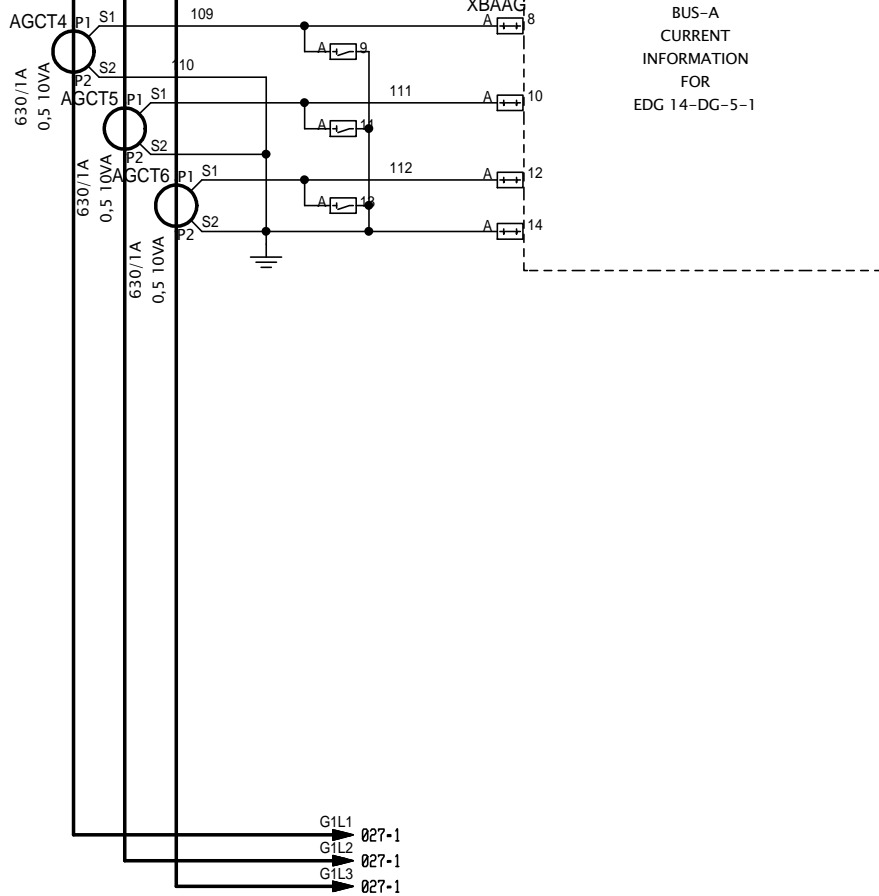
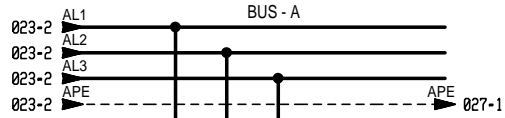
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D	05-11-2013	EQUIPPED SPARE	ISU				
C	03-10-2013	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
A	11-07-2013	First issue	ISU	F	21-01-2014	CUSTOMER COMMENT	ISU

INCOMING-A SCHEMATIC-3
14-SW-5-1



S1300516-02
Cubicle Type: BLOKSET
Rev: K
Sheet: 025

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BUS-A
CURRENT
INFORMATION
FOR
EDG 14-DG-5-1



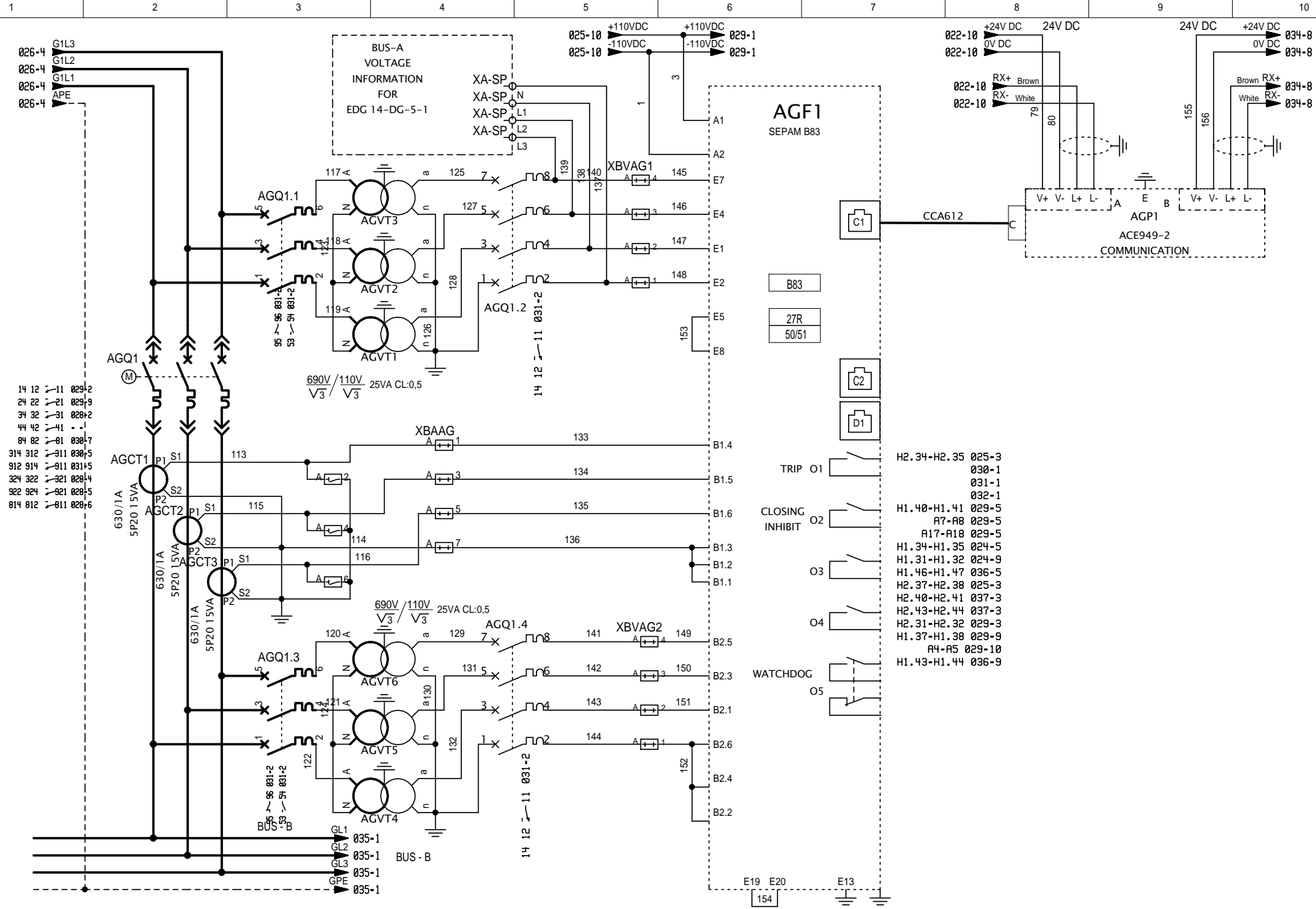
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K	03-06-2014	AS BUILT	ISU				
F	21-01-2014	CUSTOMER COMMENT	ISU				
E	03-12-2013	First issue	ISU				

BUS-TIE SEPAM-1
14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 026

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Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
F	21-01-2014	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
D	05-11-2013	EQUIPPED SPARE	ISU	J	02-05-2014	CUSTOMER COMMENT	ISU
A	09-07-2013	First issue	ISU	G	07-02-2014	CB REVISION	ISU

BUS-TIE SEPAM-2

14-SW-5-1

Schneider Electric

S1300516-02

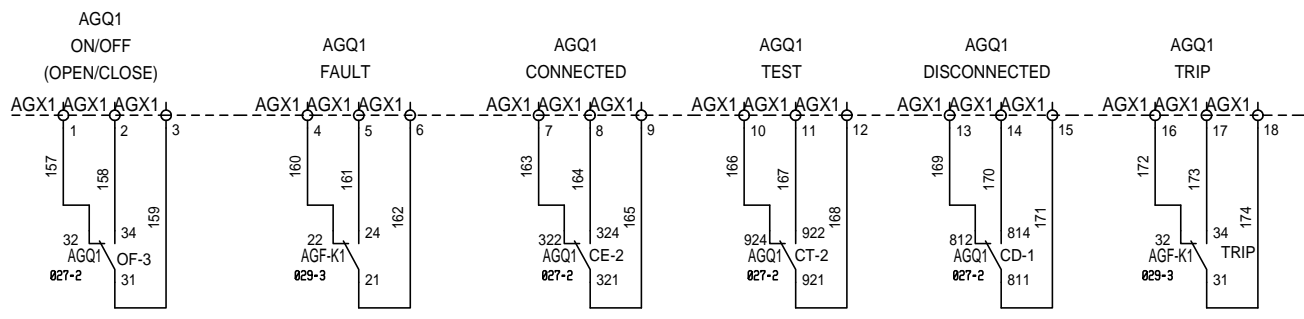
Cubicle Type: BLOKSET

Rev: K

Sheet: 027

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CB INFORMATION FOR EDG 14-DG-5-1



F	21-01-2014	CUSTOMER COMMENT	ISU					
D	05-11-2013	EQUIPPED SPARE	ISU					
A	09-07-2013	First issue	ISU	K	03-06-2014	AS BUILT		ISU
Rev	Date	Modification	Drawn	Rev	Date	Modification		Drawn

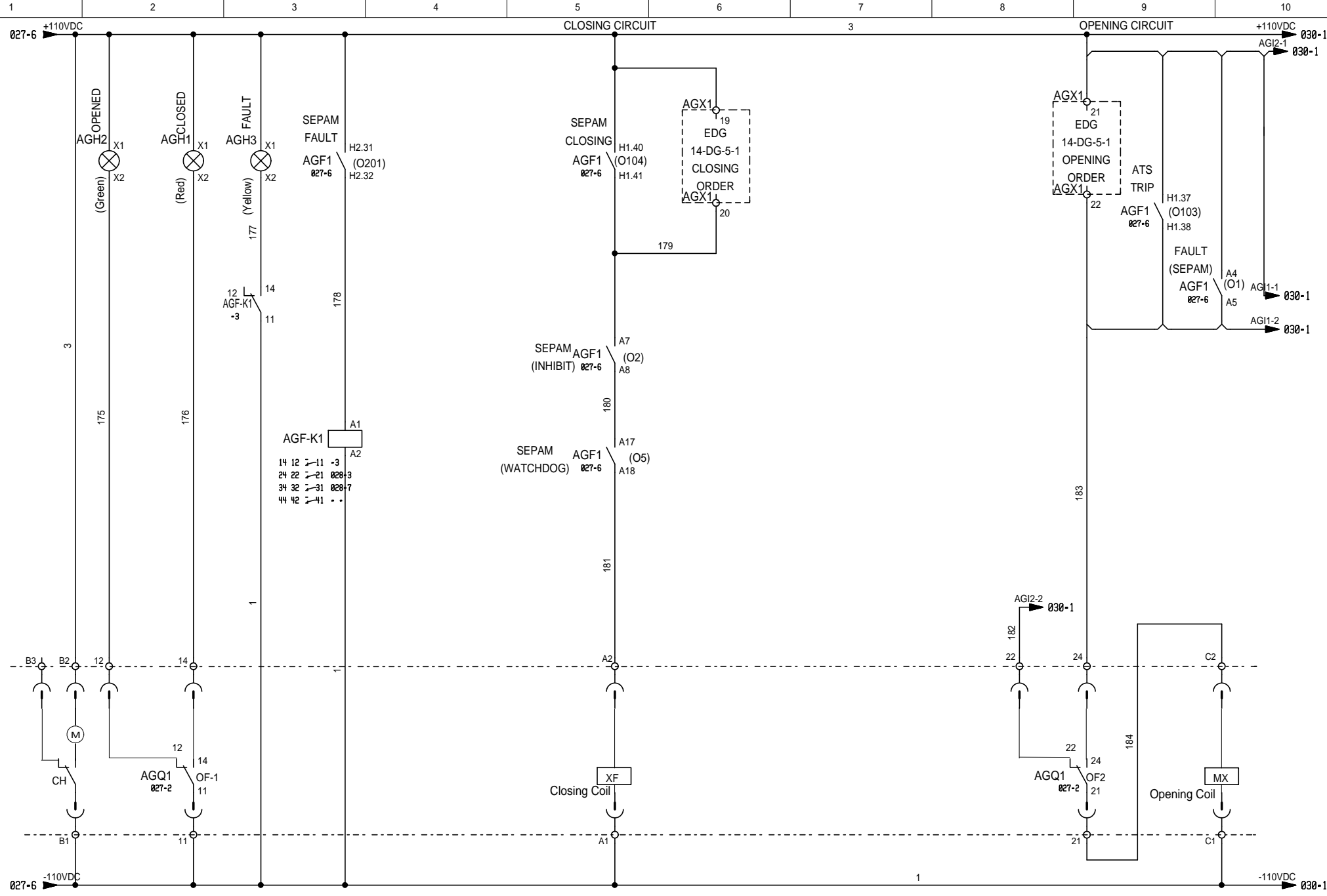
AGQ1 CONTACT SCHEMATIC
14-SW-5-1



S1300516-02

Cubicle Type BLOKSET	Rev K	Sheet 028
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Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
D	05-11-2013	EQUIPPED SPARE	ISU				
C	03-10-2013	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
A	11-07-2013	First issue	ISU	G	07-02-2014	CB REVISION	ISU

COUPLING
AGQ1 SCHEMATIC-1
14-SW-5-1

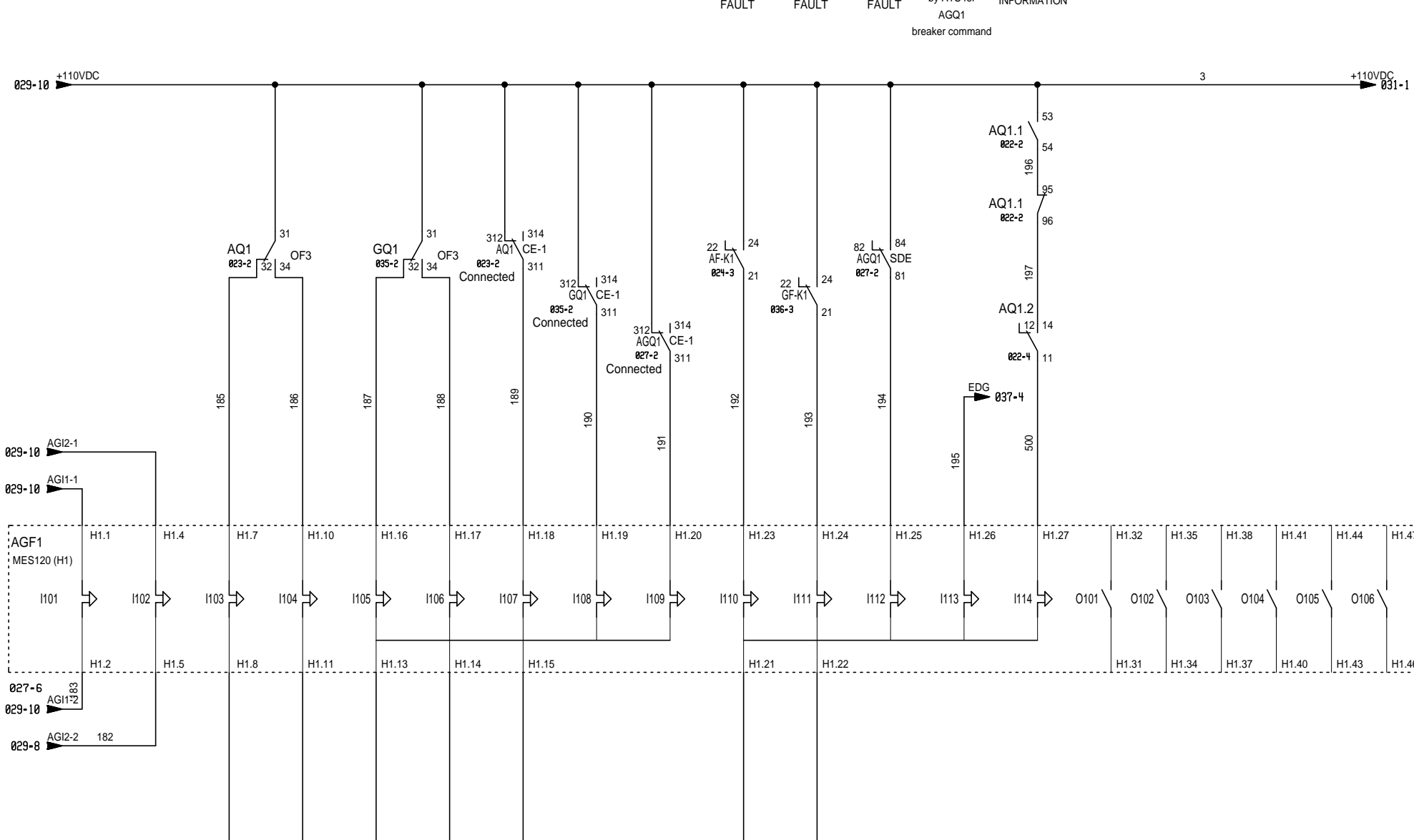


S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 029

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1 2 3 4 5 6 7 8 9 10

AGQ1 CLOSED AGQ1 OPENED AQ1 OPENED/CLOSED GQ1 OPENED/CLOSED AQ1 CONNECTED GQ1 CONNECTED AGQ1 CONNECTED AQ1 SEPAM GQ1 SEPAM AGQ1 C.B. inhibit from EDGsystem by ATS for AGQ1 breaker command AQ1 VOLTAGE INFORMATION AQ1 OPEN AQ1 CLOSE AGQ1 OPEN AGQ1 CLOSE GQ1 OPEN GQ1 CLOSE



029-10 +110VDC 031-1 +110VDC 029-10 -110VDC 031-1 -110VDC

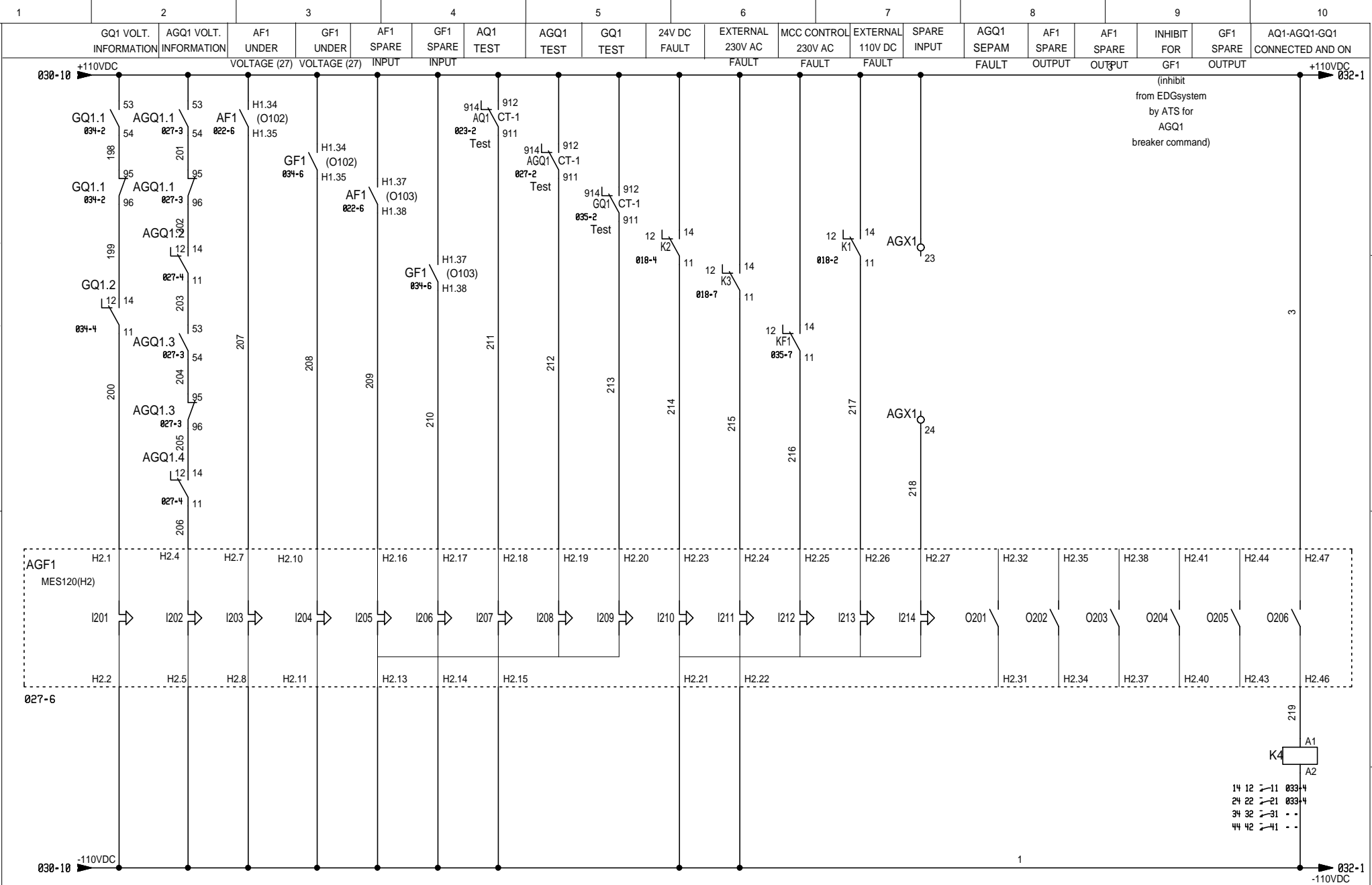
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C	03-10-2013	CUSTOMER COMMENT	ISU	H	24-03-2014	CUSTOMER COMMENT	ISU
A	09-07-2013	First issue	ISU	F	21-01-2014	CUSTOMER COMMENT	ISU
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn

COUPLING
 AGQ1 SCHEMATIC-2
 14-SW-5-1



S1300516-02
 Cubicle Type: BLOKSET Rev: K Sheet: 030

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Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
D	05-11-2013	EQUIPPED SPARE	ISU				
C	03-10-2013	CUSTOMER COMMENT	ISU				
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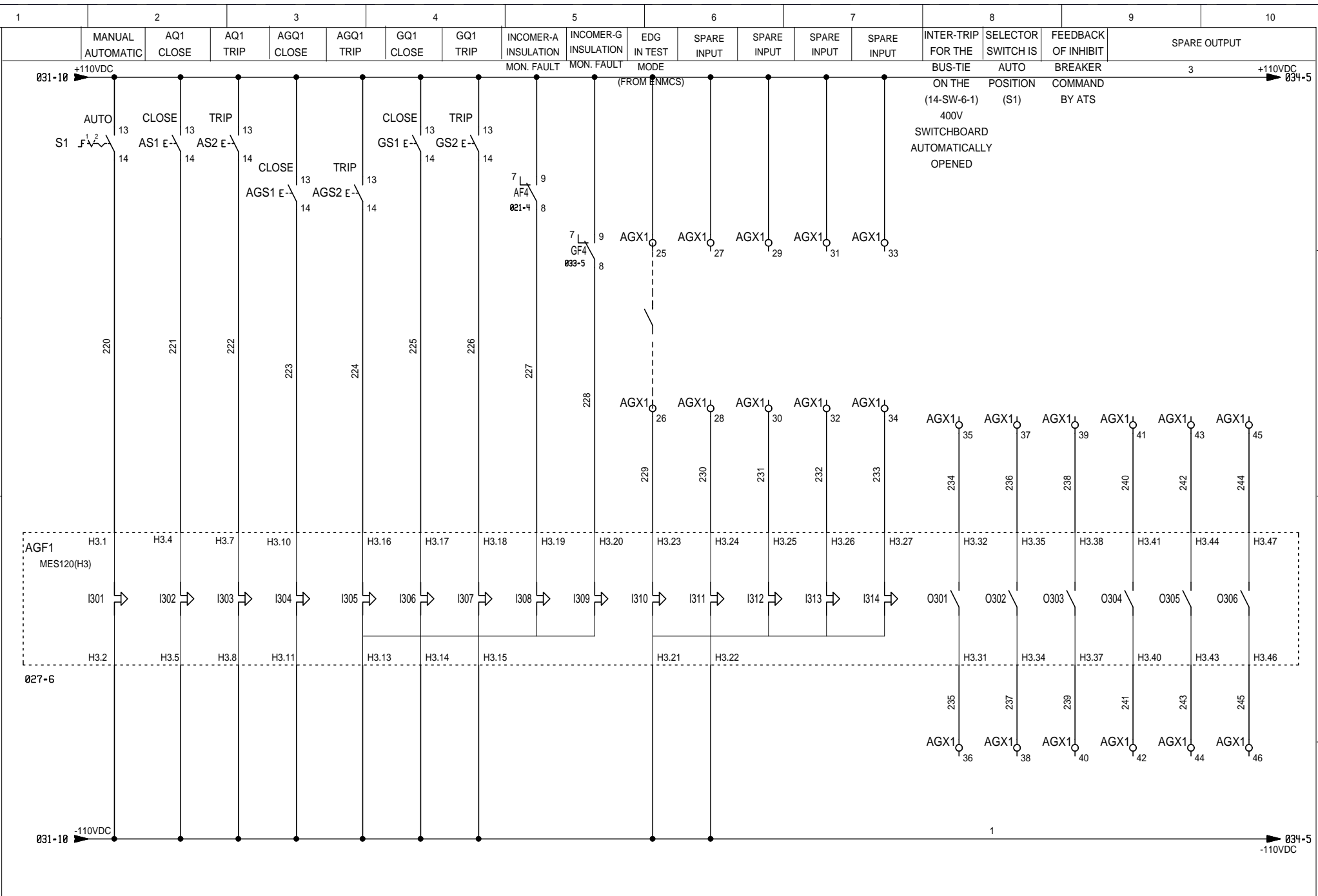
COUPLING
 AGQ1 SCHEMATIC-3
 14-SW-5-1



S1300516-02

Cubicle Type	Rev	Sheet
BLOCKSET	K	031

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Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
D	05-11-2013	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	09-07-2013	First issue	ISU	F	21-01-2014	CUSTOMER COMMENT	ISU

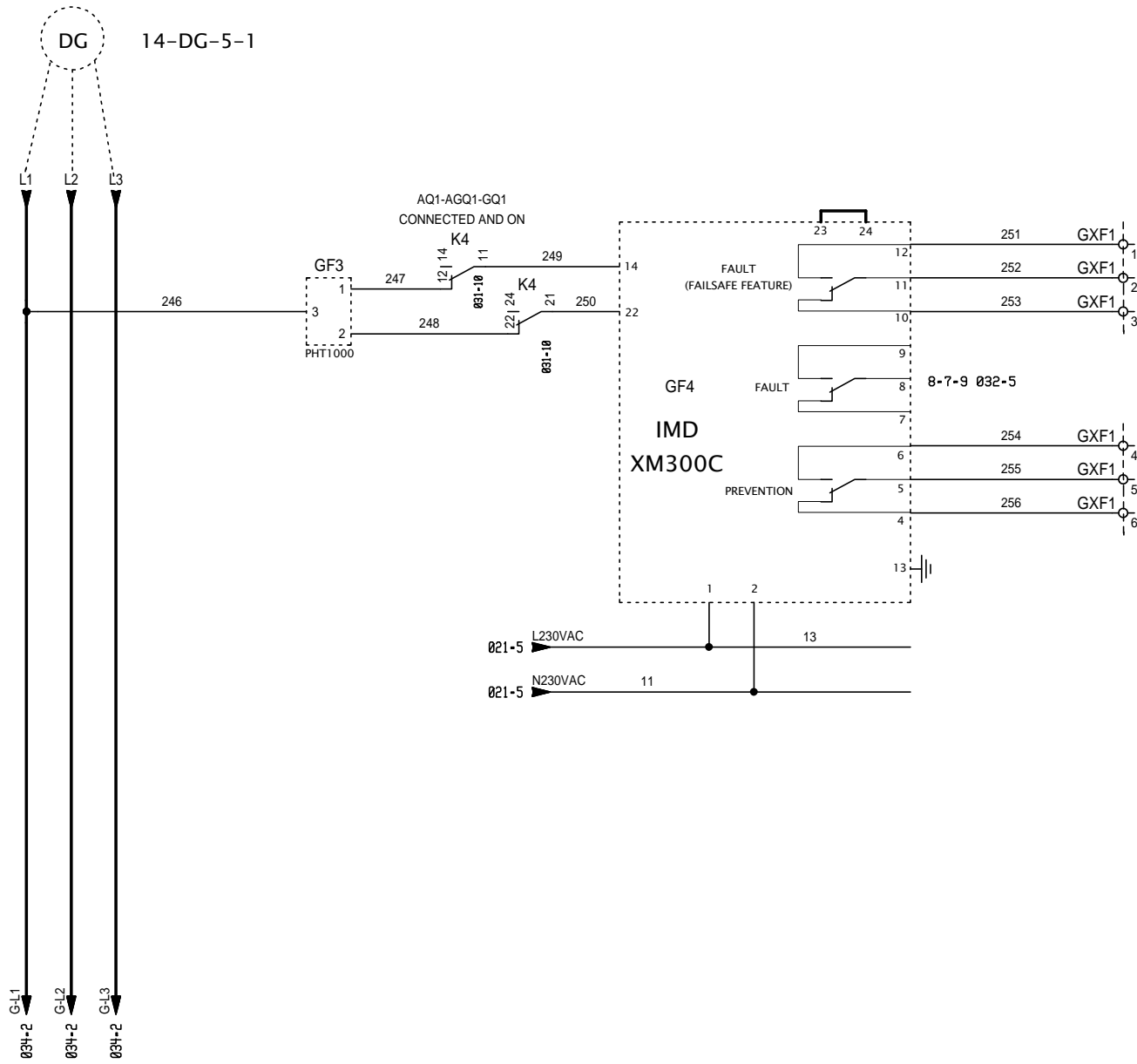
COUPLING
 AGQ1 SCHEMATIC-4
 14-SW-5-1



S1300516-02

Cubicle Type BLOKSET	Rev K	Sheet 032
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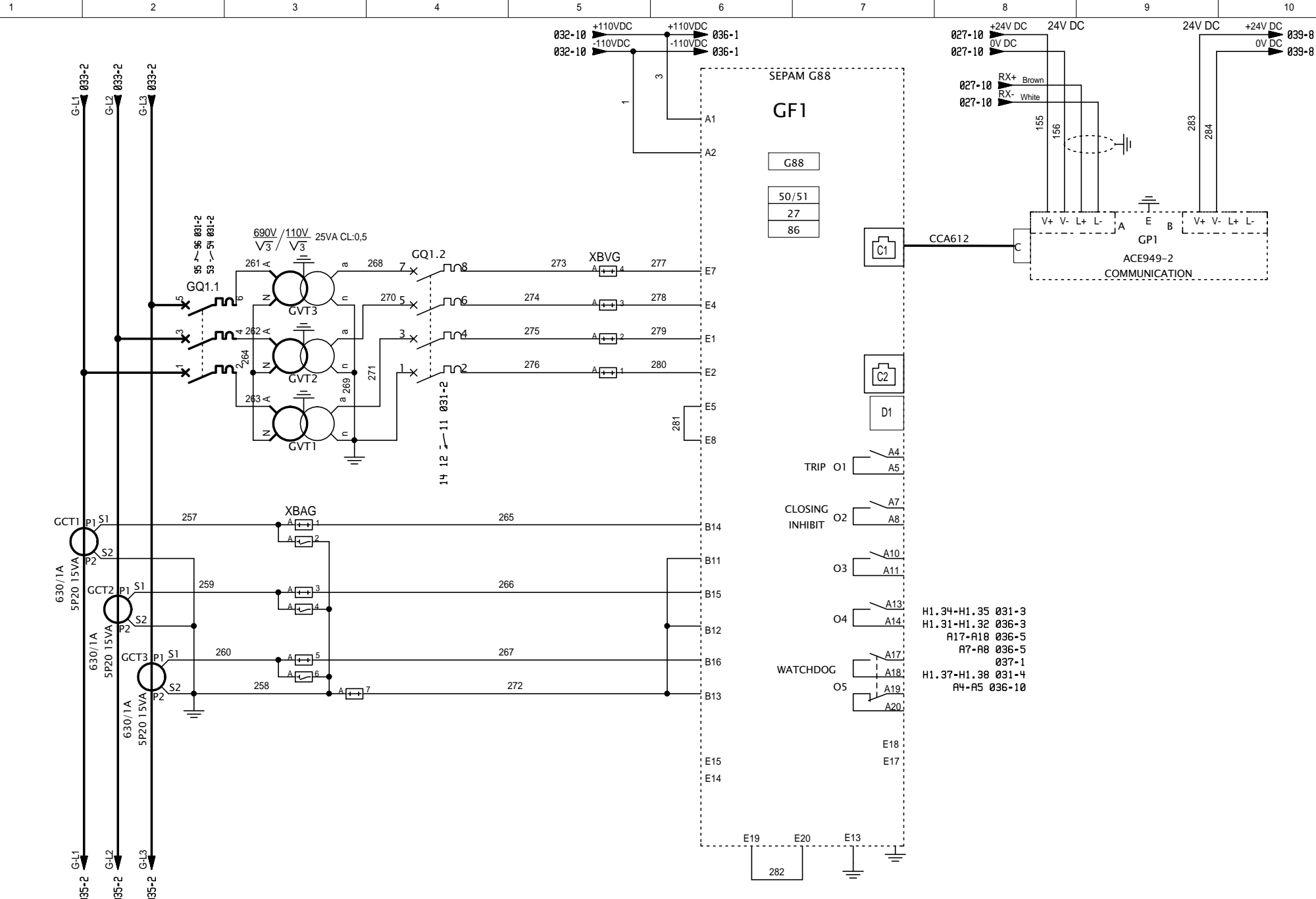
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D	05-11-2013	EQUIPPED SPARE	ISU				
C	03-10-2013	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
A	03-07-2013	First issue	ISU	F	21-01-2014	CUSTOMER COMMENT	ISU

INCOMER-G SCHEMATIC-1
14-SW-5-1



S1300516-02
Cubicle Type: BLOKSET
Rev: K
Sheet: 033

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Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
D	05-11-2013	EQUIPPED SPARE	ISU				
C	03-10-2013	CUSTOMER COMMENT	ISU				
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INCOMING-G SEPAM
14-SW-5-1

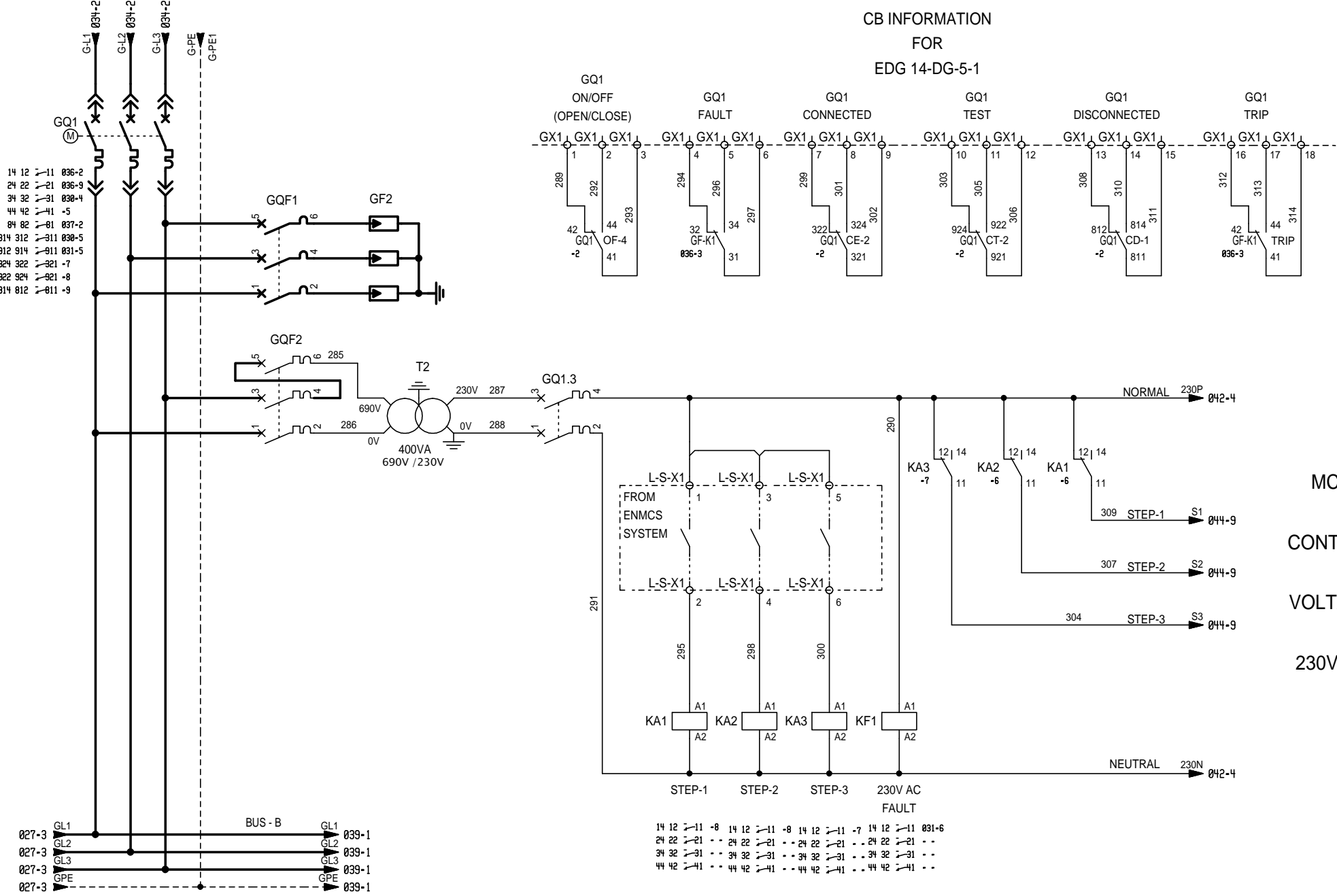


S1300516-02
Cubicle Type BLOKSET Rev K Sheet 034

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1 2 3 4 5 6 7 8 9 10

CB INFORMATION
FOR
EDG 14-DG-5-1



14	12	Y-11	036-2
24	22	Y-21	036-3
34	32	Y-31	030-4
44	42	Y-41	-5
84	82	Y-81	037-2
914	312	Y-311	030-5
912	914	Y-911	031-5
924	322	Y-321	-7
922	924	Y-921	-8
814	812	Y-811	-9

027-3	GL1	BUS - B	GL1	039-1
027-3	GL2		GL2	039-1
027-3	GL3		GL3	039-1
027-3	GPE		GPE	039-1

14	12	Y-11	-8	14	12	Y-11	-8	14	12	Y-11	-7	14	12	Y-11	031-6
24	22	Y-21	--	24	22	Y-21	--	24	22	Y-21	--	24	22	Y-21	--
34	32	Y-31	--	34	32	Y-31	--	34	32	Y-31	--	34	32	Y-31	--
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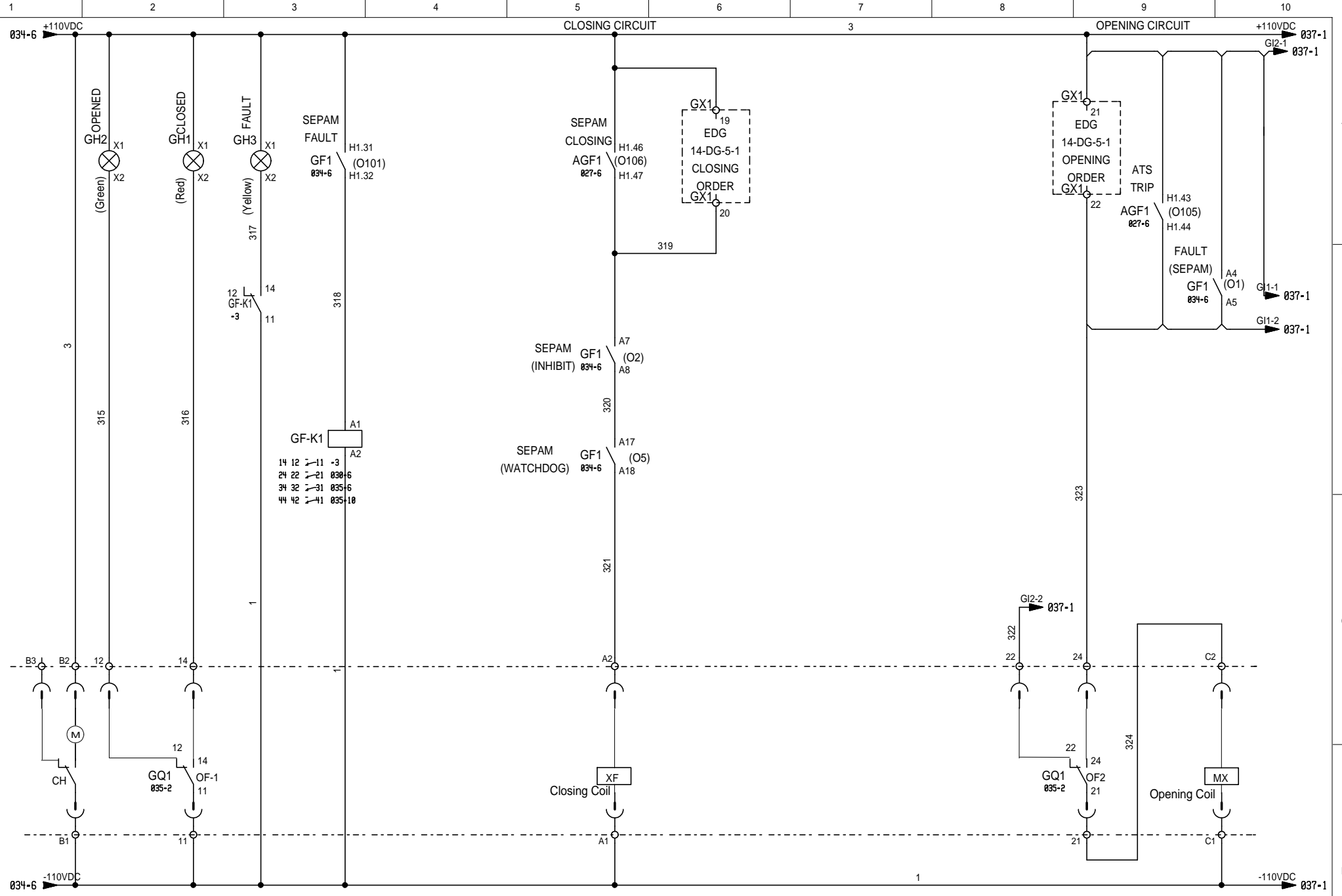
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
F	21-01-2014	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
D	05-11-2013	EQUIPPED SPARE	ISU	H	24-03-2014	CUSTOMER COMMENT	ISU
A	11-07-2013	First issue	ISU	G	07-02-2014	CB REVISION	ISU

INCOMING-G SCHEMATIC-1
 LOAD SHEDDING
 14-SW-5-1



S1300516-02	
Cubicle Type BLOKSET	Rev K
Sheet 035	

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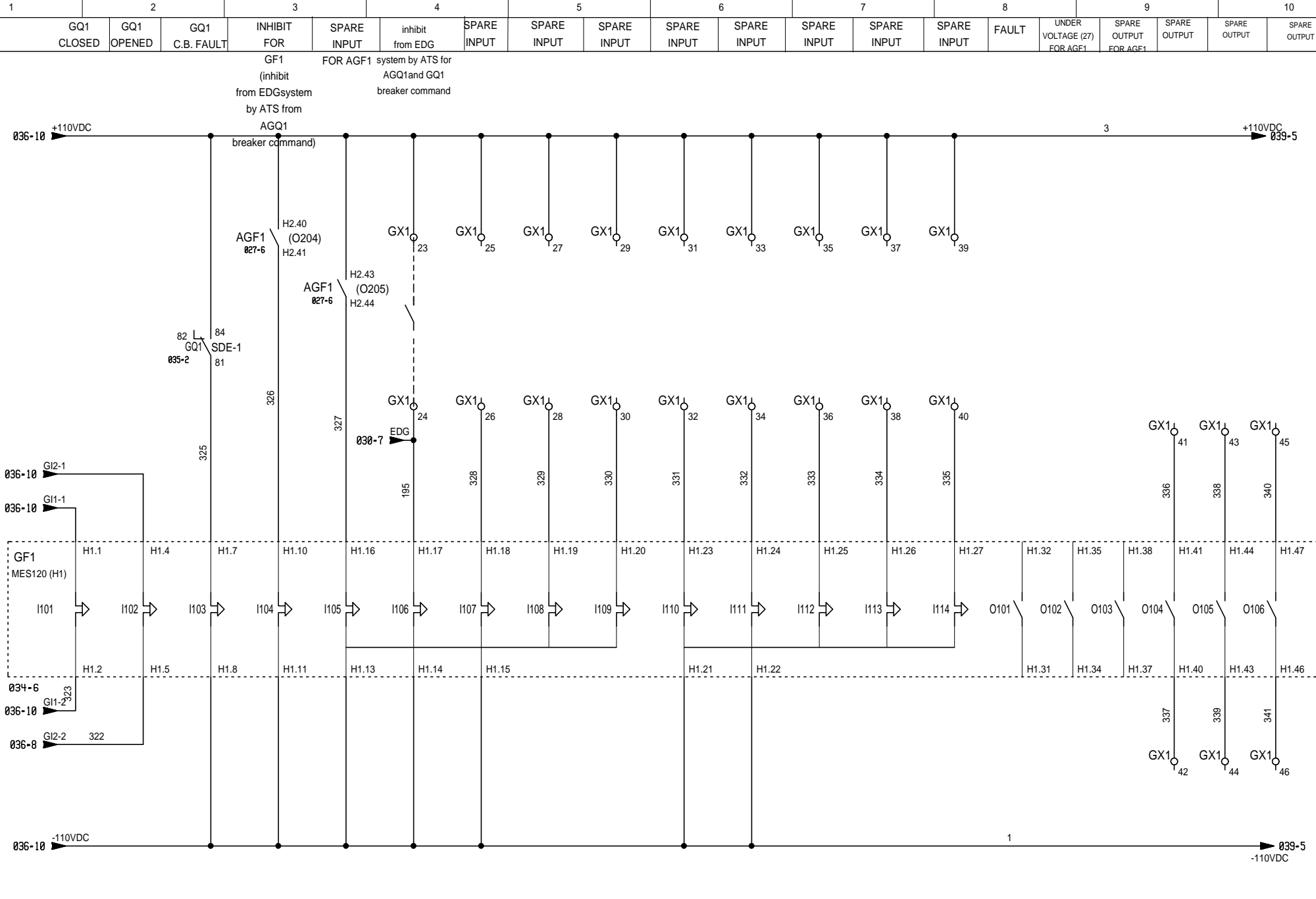
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
D	05-11-2013	EQUIPPED SPARE	ISU				
C	03-10-2013	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
A	11-07-2013	First issue	ISU	G	07-02-2014	CB REVISION	ISU

INCOMING-G SCHEMATIC-2
14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 036

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

INCOMING-G SCHEMATIC-3
 14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 037

OUTGOING LIST

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

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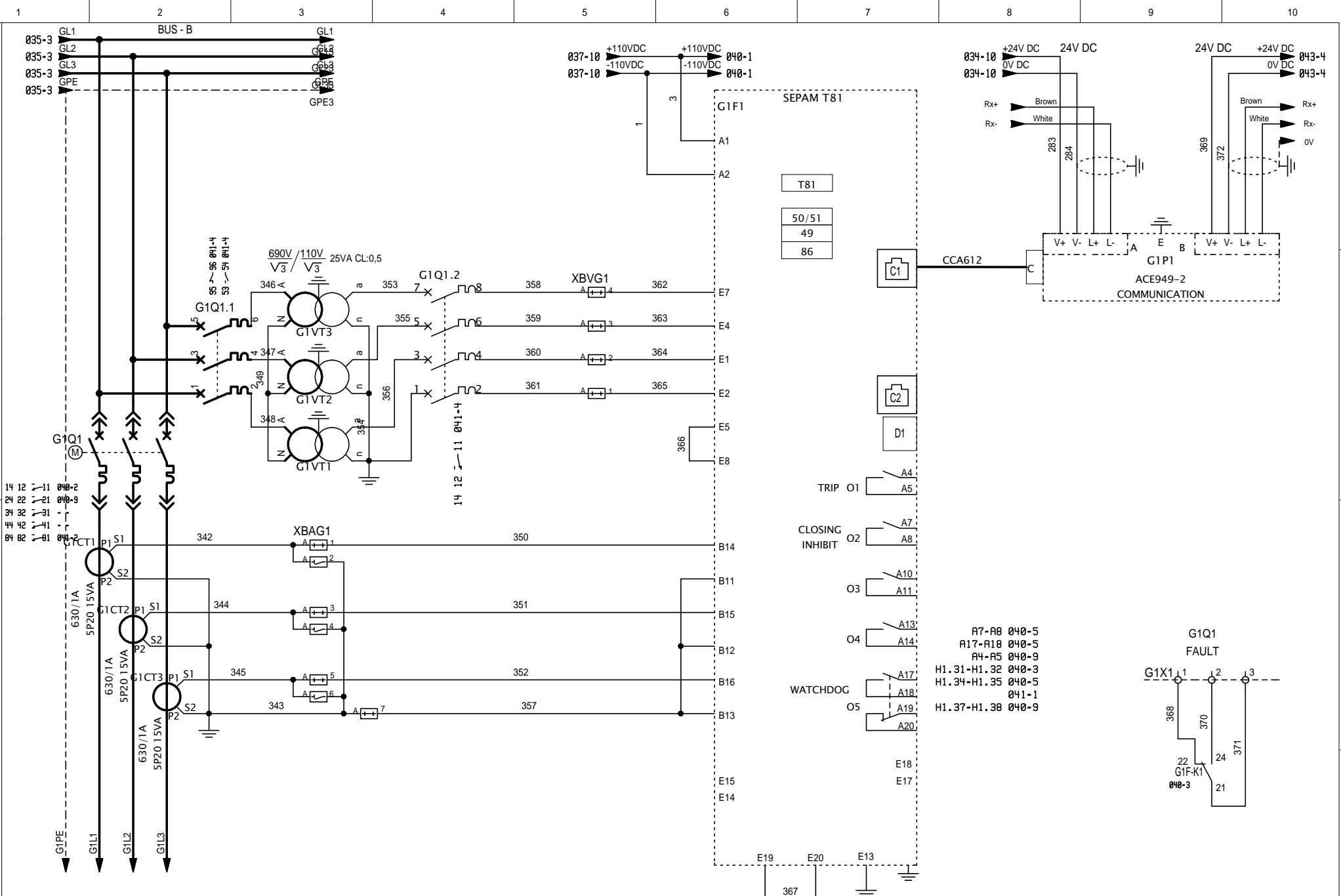
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
D	13-11-2013	EQUIPPED SPARE	ISU	K	03-06-2014	AS BUILT	ISU
C	03-10-2013	CUSTOMER COMMENT	ISU	H	24-03-2014	CUSTOMER COMMENT	ISU
A	15-07-2013	First issue	ISU	G	07-02-2014	CB REVISION	ISU

OUTGOING LIST
14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 038

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Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
D	13-11-2013	EQUIPPED SPARE	ISU				
C	03-10-2013	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
A	12-07-2013	First issue	ISU	F	21-01-2014	CUSTOMER COMMENT	ISU

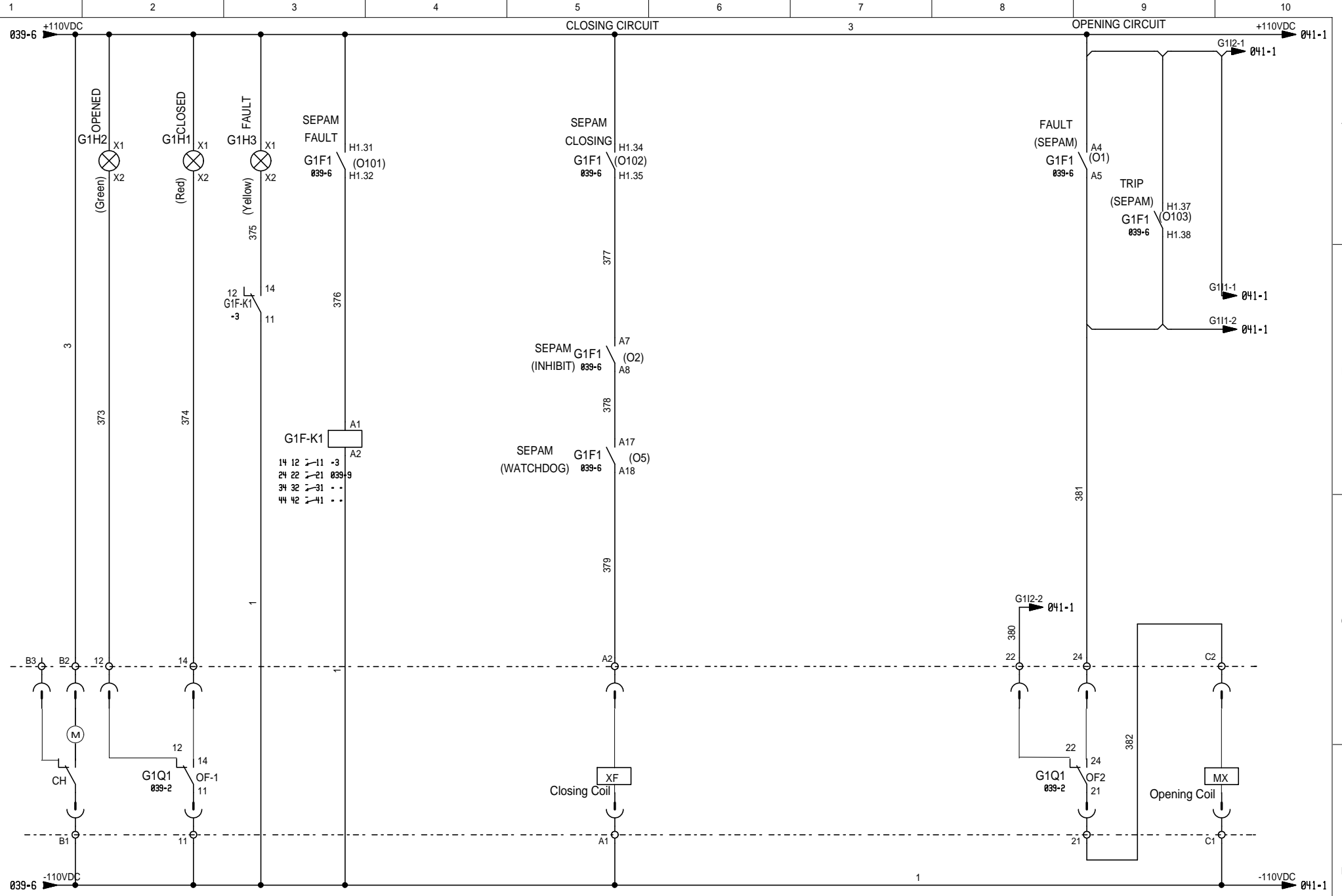
G1Q1 SCHEMATIC-1
 14-SW-5-1

S1300516-02

Cubicle Type BLOCKSET	Rev K	Sheet 039
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- G1Q1 FAULT**
- A7-A8 040-5
 - A17-A18 040-5
 - A4-A5 040-9
 - H1.31-H1.32 040-3
 - H1.34-H1.35 040-5
 - 041-1
 - H1.37-H1.38 040-9

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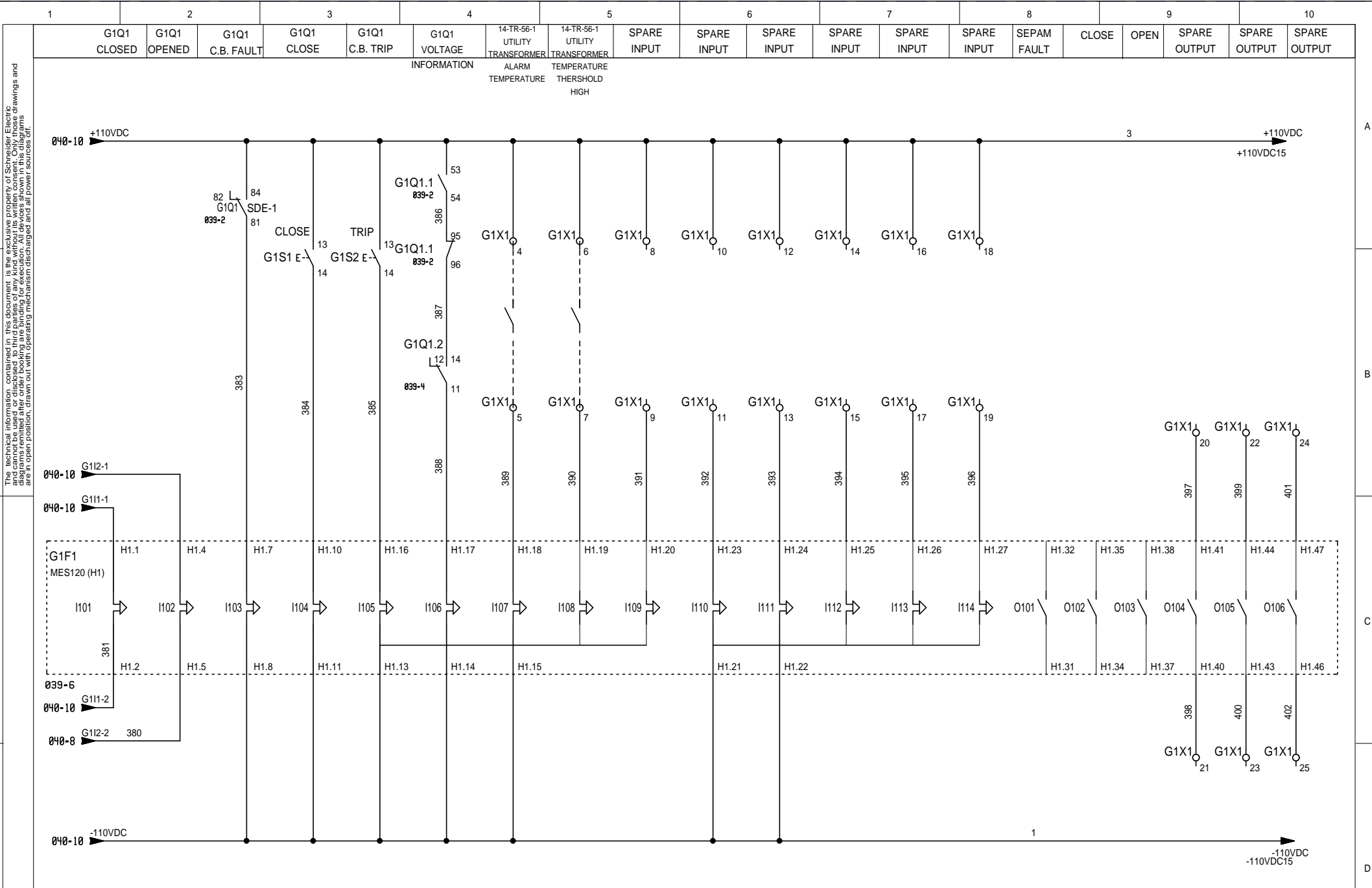
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
G	07-02-2014	CB REVISION	ISU				
C	03-10-2013	CUSTOMER COMMENT	ISU				
A	12-07-2013	First Issue	ISU	K	03-06-2014	AS BUILT	ISU

G1Q1 SCHEMATIC-2
14-SW-5-1



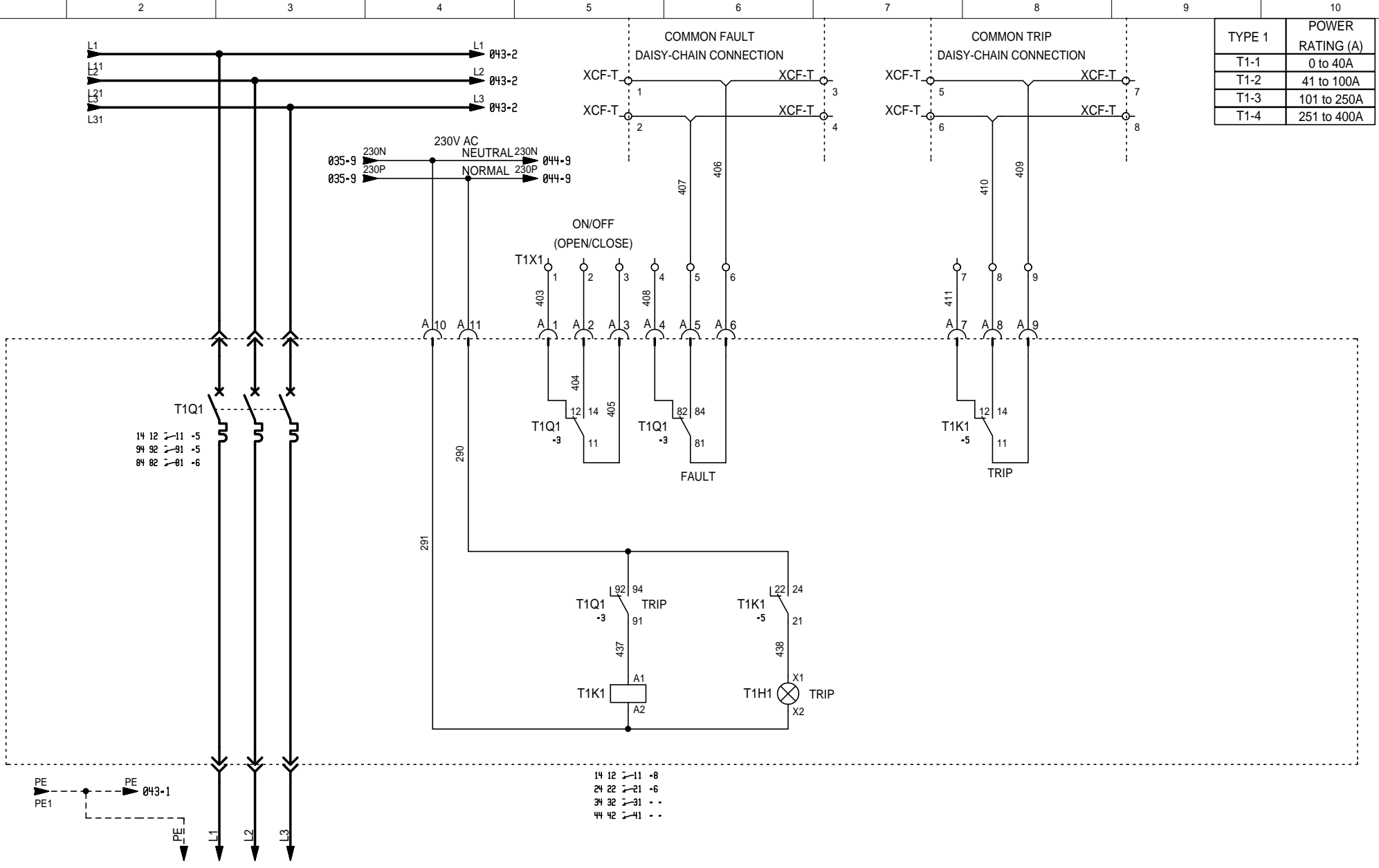
S1300516-02
 Cubicle Type: BLOKSET
 Rev: K
 Sheet: 040

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Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn	G1Q1 SCHEMATIC-3		IMOURAREN URANIUM PROJECT			S1300516-02		
D	05-11-2013	EQUIPPED SPARE	ISU					14-SW-5-1		IMOURAREN URANIUM PROJECT			Cubicle Type	Rev	Sheet
C	03-10-2013	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU					BLOCKSET	K	041	
A	12-07-2013	First issue	ISU	F	21-01-2014	CUSTOMER COMMENT	ISU								

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TYPE 1	POWER RATING (A)
T1-1	0 to 40A
T1-2	41 to 100A
T1-3	101 to 250A
T1-4	251 to 400A

TYPE1

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

Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
F	21-01-2014	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
D	05-11-2013	EQUIPPED SPARE	ISU	I	14-04-2014	TRIP SIGNAL LAMP	ISU
A	12-07-2013	First issue	ISU	G	07-02-2014	CB REVISION	ISU

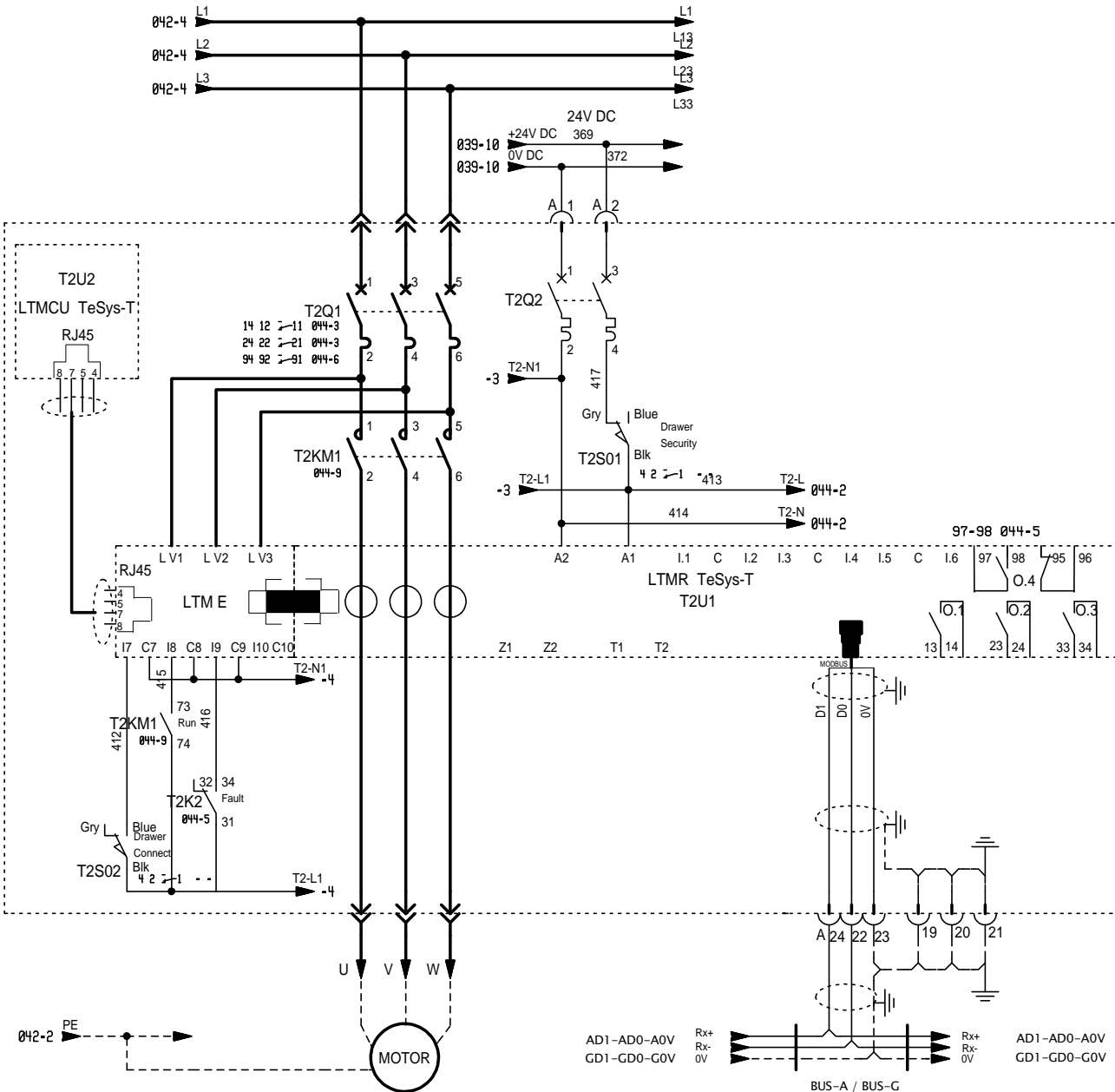
T1 SCHEMATIC
14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 042

TYPE 2	POWER RATING (kW)
T2-1	0,25 to 5,5kW
T2-2	7,5kW
T2-3	11 to 18,5kW
T2-4	22kW
T2-5	30 to 45kW
T2-6	55 to 75kW

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TYPE2

"T2" IN SYMBOL DEFINITIONS REPRESENT "DRAWER NO". SEE FEEDER/MOTOR LIST IN PROJECT AND SINGLE LINE DIAGRAM.

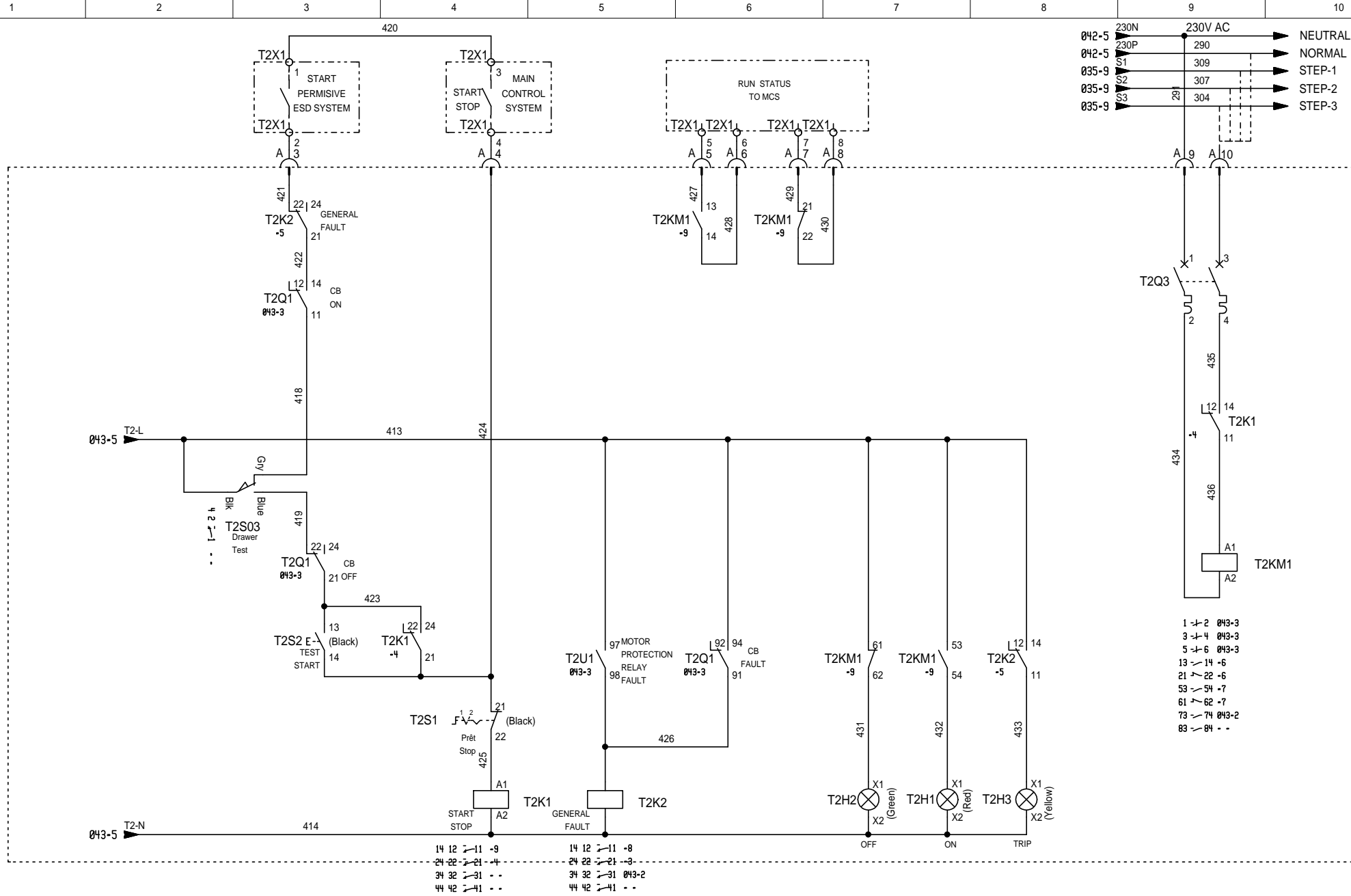
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
F	21-01-2014	CUSTOMER COMMENT	ISU				
C	03-10-2013	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
A	12-07-2013	First issue	ISU	G	07-02-2014	CB REVISION	ISU

T2 SCHEMATIC-1
14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 043

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TYPE2

"T2" IN SYMBOL DEFINITIONS REPRESENT "DRAWER NO". SEE FEEDER/MOTOR LIST IN PROJECT AND SINGLE LINE DIAGRAM.

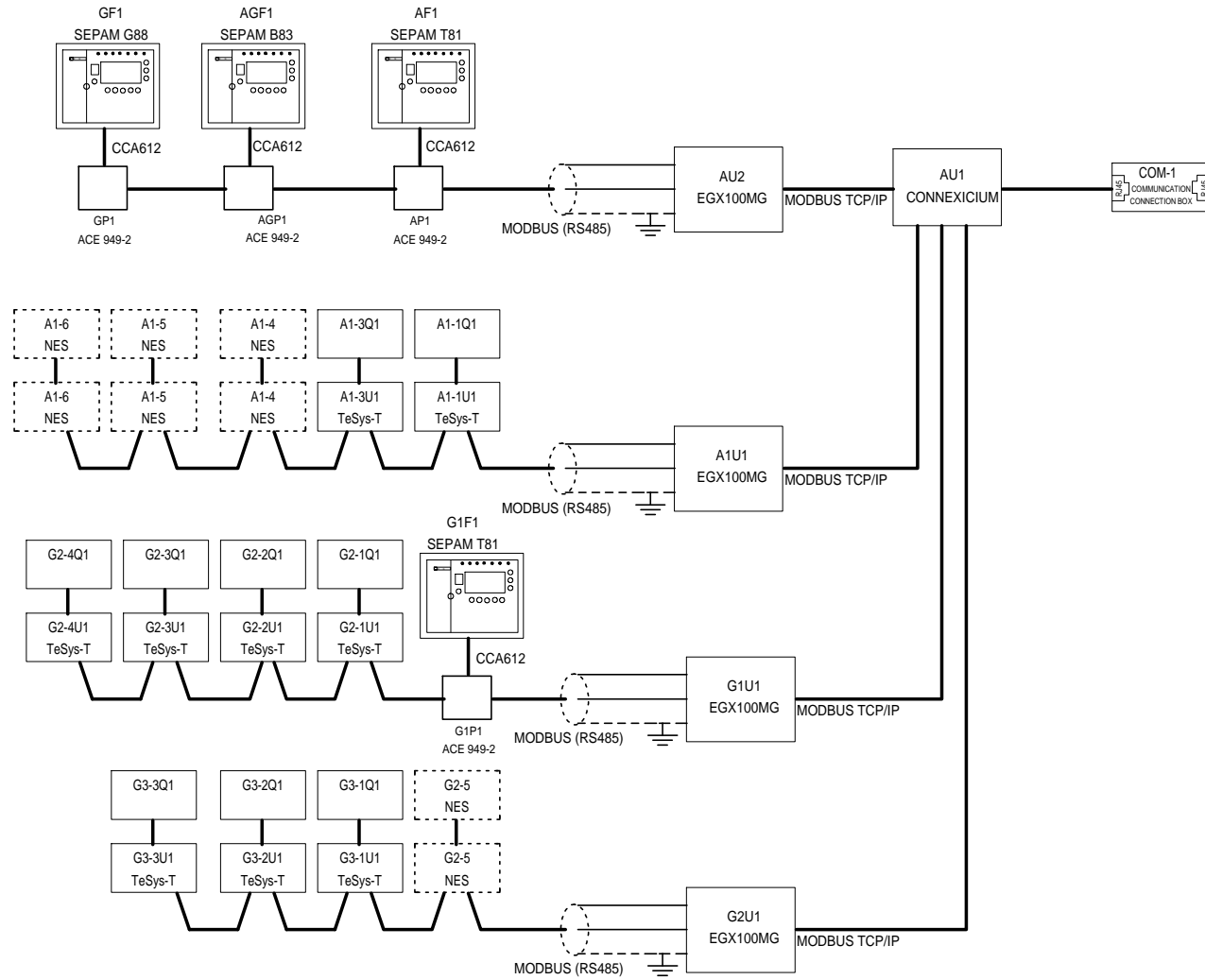
D	05-11-2013	EQUIPPED SPARE	ISU				
C	03-10-2013	CUSTOMER COMMENT	ISU	K	03-06-2014	AS BUILT	ISU
A	12-07-2013	First issue	ISU	G	07-02-2014	CB REVISION	ISU
Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn

T2 SCHEMATIC-2
14-SW-5-1



S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 044

INCOMING AND FEEDERS COMMUNICATION WIRING



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Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
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

COMMUNICATION SCHEMATIC
MODBUS
14-SW-5-1



S1300516-02

Cubicle Type BLOKSET	Rev K	Sheet 045
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1	2	3	4	5	6	7	8	9	10
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	NSYCCOTH	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	
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	
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	
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	
AGHF1	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	

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A

B

C

D

A

B

C

D

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
14-SW-5-1



S1300516-02
Cubicle Type BLOKSET Rev K Sheet 046

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	
	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	NSYCCO3HC	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	
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	
	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	

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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	
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 Cl:5P20 15VA TROPICAL					ALCE	039	
G1CT2	OAD-4 630-1 52 15	CURRENT TRF. ARD-4 630/1 Cl:5P20 15VA TROPICAL					ALCE	039	
G1CT3	OAD-4 630-1 52 15	CURRENT TRF. ARD-4 630/1 Cl: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	
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	
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	

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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	
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	
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	
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	NSYCCOTH	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	
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	
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	035	
	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	TRF000501	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	
	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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SYMBOL	REFERENCE		DESIGNATION										MANUFACTURER		PAGE			
A	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				
C	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				
T2Q3	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				
T2S01	88690	LIMIT SWITCH 1 CHANGE-OVER										SCHNEIDER ELECTRIC		043				
T2S02	88690	LIMIT SWITCH 1 CHANGE-OVER										SCHNEIDER ELECTRIC		043				
T2S03	88690	LIMIT SWITCH 1 CHANGE-OVER										SCHNEIDER ELECTRIC		044				
T2U2	LTMCU	CONTROL OPERATOR UNIT										SCHNEIDER ELECTRIC		043				
D																		
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						Schneider Electric		S1300516-02		
								14-SW-5-1						Cubicle Type BLOKSET		Rev K Sheet 051		

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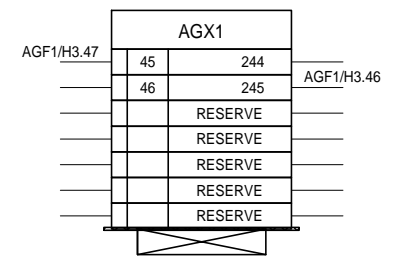
COMMENT PAGE TERMINAL

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 AGQ1 ON (NO) S1300516-02/028-2
 COMMON AGQ1 OPEN/CLOSE S1300516-02/028-2
 AGQ1 FAULT (NC) S1300516-02/028-3
 AGQ1 FAULT (NO) S1300516-02/028-3
 COMMON AGQ1 FAULT S1300516-02/028-3
 AGQ1 CONNECTED (NC) S1300516-02/028-4
 AGQ1 CONNECTED (NO) S1300516-02/028-4
 COMMON AGQ1 CONNECTED S1300516-02/028-4
 AGQ1 TEST (NC) S1300516-02/028-5
 AGQ1 TEST (NO) S1300516-02/028-5
 COMMON AGQ1 TEST S1300516-02/028-5
 AGQ1 DISCONNECTED (NC) S1300516-02/028-6
 AGQ1 DISCONNECTED (NO) S1300516-02/028-6
 COMMON AGQ1 DISCONNECTED S1300516-02/028-6
 AGQ1 TRIP (NC) S1300516-02/028-7
 AGQ1 TRIP (NO) S1300516-02/028-7
 COMMON AGQ1 TRIP S1300516-02/028-7
 EDG 14-DG-5-1 CLOSING ORDER (NO) S1300516-02/029-6
 EDG 14-DG-5-1 CLOSING ORDER (NO) S1300516-02/029-6
 EDG 14-DG-5-1 OPENING ORDER (NO) S1300516-02/029-9
 EDG 14-DG-5-1 OPENING ORDER (NO) S1300516-02/029-9
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 SPARE INPUT S1300516-02/031-7
 EDG IN TEST MODE (FROM ENMCS) S1300516-02/032-6
 EDG IN TEST MODE (FROM ENMCS) S1300516-02/032-6
 SPARE INPUT S1300516-02/032-6
 SPARE INPUT S1300516-02/032-6
 SPARE INPUT S1300516-02/032-6
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 SPARE INPUT S1300516-02/032-7
 SPARE INPUT S1300516-02/032-7
 SPARE INPUT S1300516-02/032-7
 SPARE INPUT S1300516-02/032-7
 (14-SW-6-1) 400V SWITCHBOARD BUS-TIE FOR INTER-TRIP S1300516-02/032-8
 (14-SW-6-1) 400V SWITCHBOARD BUS-TIE FOR INTER-TRIP S1300516-02/032-8
 SELECTOR SWITCH IS AUTO POSITION (S1) S1300516-02/032-8
 SELECTOR SWITCH IS AUTO POSITION (S1) S1300516-02/032-8
 FEEDBACK OF INHIBIT BREAKER COMMAND BY ATS S1300516-02/032-9
 FEEDBACK OF INHIBIT BREAKER COMMAND BY ATS S1300516-02/032-9
 SPARE OUTPUT S1300516-02/032-9
 SPARE OUTPUT S1300516-02/032-9
 SPARE OUTPUT S1300516-02/032-9
 SPARE OUTPUT S1300516-02/032-9

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K	03-06-2014	AS BUILT	ISU				
H	24-03-2014	First issue	ISU				

Terminal Strip: AGX1
 TERMINAL STRIP : AGX1
 14-SW-5-1

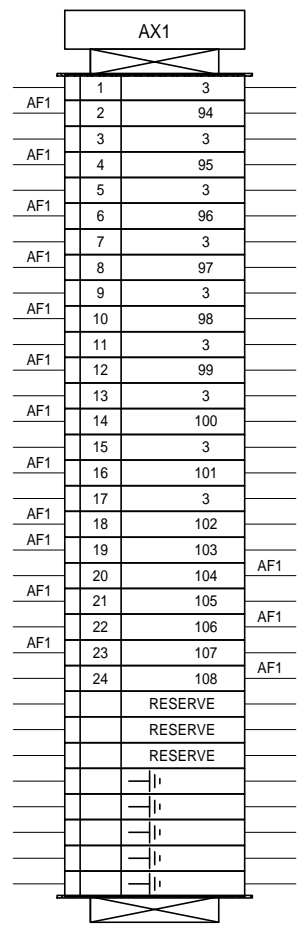


S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 052

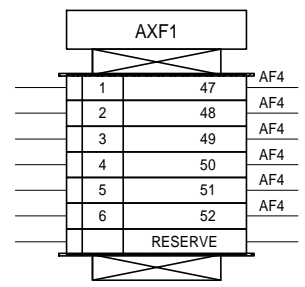
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1 2 3 4 5 6 7 8 9 10

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14-TR-35-1 ALARM TEMPERATURE	S1300516-02/025-4
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14-TR-35-1 DISCHARGE OF GASES (DGPT2)	S1300516-02/025-5
14-TR-35-1 DISCHARGE OF GASES (DGPT2)	S1300516-02/025-5
14-TR-35-1 TANK PRESSURE (DGPT2)	S1300516-02/025-5
14-TR-35-1 TANK PRESSURE (DGPT2)	S1300516-02/025-5
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SPARE INPUT	S1300516-02/025-6
SPARE INPUT	S1300516-02/025-6
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SPARE INPUT	S1300516-02/025-7
SPARE INPUT	S1300516-02/025-7
SPARE INPUT	S1300516-02/025-7
SPARE INPUT	S1300516-02/025-7
SPARE INPUT	S1300516-02/025-8
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AQ1 TRIP THE UPSTREAM CB	S1300516-02/025-9
SPARE OUTPUT	S1300516-02/025-10
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IMD SYSTEM PREVENTION (NO)	S1300516-02/021-7
IMD SYSTEM COMMON PREVENTION	S1300516-02/021-7
IMD SYSTEM PREVENTION (NC)	S1300516-02/021-7



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K	03-06-2014	AS BUILT	ISU				
H	24-03-2014	First issue	ISU				

Terminal Strip: AX1
 TERMINAL STRIP : AX1
 14-SW-5-1



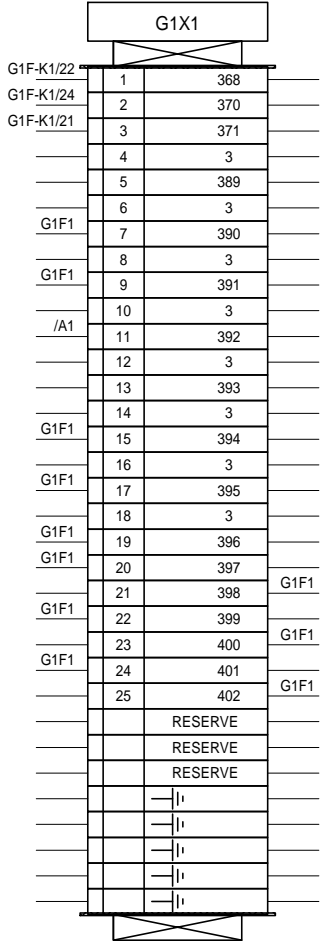
S1300516-02		
Cubicle Type BLOKSET	Rev K	Sheet 053

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1 2 3 4 5 6 7 8 9 10

COMMENT PAGE TERMINAL COMMENT PAGE TERMINAL

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FAULT-TRIP (NO)	S1300516-02/039-9
COMMON FAULT-TRIP	S1300516-02/039-10
14-TR-56-1 ALARM TEMPERATURE	S1300516-02/041-4
14-TR-56-1 ALARM TEMPERATURE	S1300516-02/041-4
14-TR-56-1 TRIP ON TEMPERATURE THERSHOLD HIGH	S1300516-02/041-5
14-TR-56-1 TRIP ON TEMPERATURE THERSHOLD HIGH	S1300516-02/041-5
SPARE INPUT	S1300516-02/041-5
SPARE INPUT	S1300516-02/041-5
SPARE INPUT	S1300516-02/041-6
SPARE INPUT	S1300516-02/041-6
SPARE INPUT	S1300516-02/041-6
SPARE INPUT	S1300516-02/041-6
SPARE INPUT	S1300516-02/041-6
SPARE INPUT	S1300516-02/041-7
SPARE INPUT	S1300516-02/041-7
SPARE INPUT	S1300516-02/041-7
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SPARE INPUT	S1300516-02/041-8
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SPARE OUTPUT	S1300516-02/041-9
SPARE OUTPUT	S1300516-02/041-10
SPARE OUTPUT	S1300516-02/041-10
SPARE OUTPUT	S1300516-02/041-10



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Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
K	03-06-2014	AS BUILT	ISU				
H	24-03-2014	First issue	ISU				

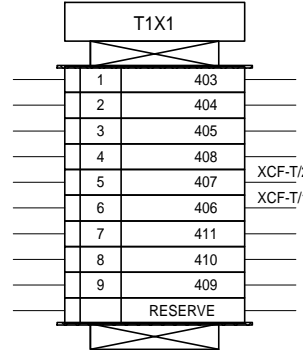
Terminal Strip: G1X1
 TERMINAL STRIP : G1X1
 14-SW-5-1



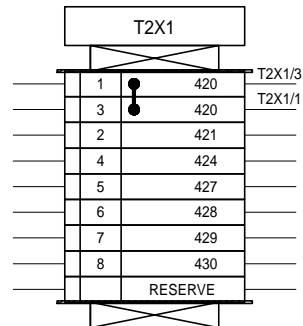
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Cubicle Type	Rev	Sheet	
BLOKSET	K	054	

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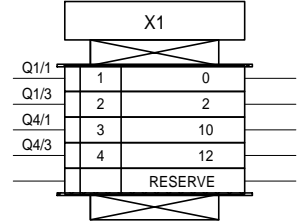
COMMENT	PAGE	TERMINAL
OFF	S1300516-02/042-5	
ON	S1300516-02/042-5	
COMMON ON/OFF	S1300516-02/042-5	
FAULT-TRIP (NC)	S1300516-02/042-5	
FAULT-TRIP (NO)	S1300516-02/042-6	
COMMON FAULT-TRIP	S1300516-02/042-6	
TRIP (NC)	S1300516-02/042-7	
TRIP (NO)	S1300516-02/042-8	
COMMON TRIP	S1300516-02/042-8	



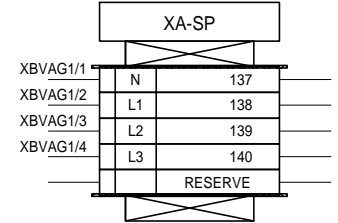
START PERMISSIVE ESD SYSTEM	S1300516-02/044-3	
MAIN CONTROL SYSTEM	S1300516-02/044-4	
START PERMISSIVE ESD SYSTEM	S1300516-02/044-3	
MAIN CONTROL SYSTEM	S1300516-02/044-4	
RUN STATUS TO MCS	S1300516-02/044-6	
RUN STATUS TO MCS	S1300516-02/044-6	
STOP STATUS TO MCS	S1300516-02/044-6	
STOP STATUS TO MCS	S1300516-02/044-7	



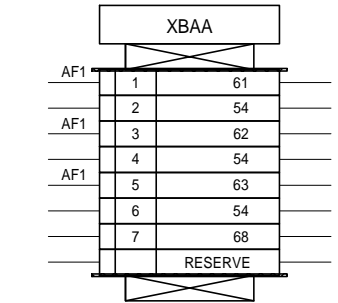
EXTERNAL SUPPLY 110V DC (-)	S1300516-02/018-1	
EXTERNAL SUPPLY 110V DC (+)	S1300516-02/018-2	
EXTERNAL SUPPLY 230V AC (N)	S1300516-02/018-7	
EXTERNAL SUPPLY 230V AC (L)	S1300516-02/018-7	



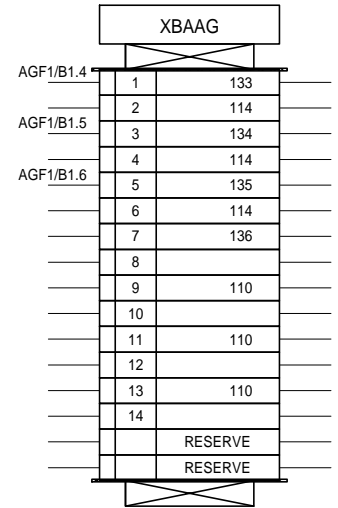
COMMENT	PAGE	TERMINAL
BUS-A VOLTAGE (N)	S1300516-02/027-5	
BUS-A VOLTAGE (L1)	S1300516-02/027-5	
BUS-A VOLTAGE (L2)	S1300516-02/027-5	
BUS-A VOLTAGE (L3)	S1300516-02/027-5	



AQ1 CURRENT TEST TERMINAL	S1300516-02/022-3	
AQ1 CURRENT TEST TERMINAL	S1300516-02/022-3	
AQ1 CURRENT TEST TERMINAL	S1300516-02/022-3	
AQ1 CURRENT TEST TERMINAL	S1300516-02/022-3	
AQ1 CURRENT TEST TERMINAL	S1300516-02/022-3	
AQ1 CURRENT TEST TERMINAL	S1300516-02/022-3	



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	S1300516-02/027-3	
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	
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	S1300516-02/026-4	
AGQ1 CURRENT TEST TERMINAL	S1300516-02/026-5	



Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
K	03-06-2014	AS BUILT	ISU				
H	24-03-2014	First issue	ISU				

Terminal Strip: T1X1
 TERMINAL STRIP : T1X1
 14-SW-5-1



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COMMENT

PAGE

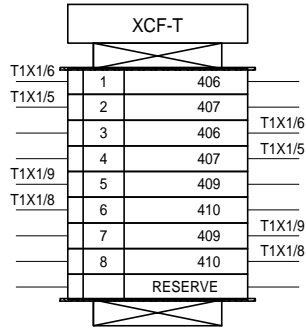
TERMINAL

COMMENT

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COMMON FAULT (NO) S1300516-02/042-5
 COMMON FAULT (NO) S1300516-02/042-5
 COMMON FAULT (NO) S1300516-02/042-7
 COMMON FAULT (NO) S1300516-02/042-7
 COMMON TRIP (NO) S1300516-02/042-7
 COMMON TRIP (NO) S1300516-02/042-7
 COMMON TRIP (NO) S1300516-02/042-9
 COMMON TRIP (NO) S1300516-02/042-9



1 2 3 4 5 6 7 8 9 10

A

B

C

D

A

B

C

D

Rev	Date	Modification	Drawn	Rev	Date	Modification	Drawn
K	03-06-2014	AS BUILT	ISU				
H	24-03-2014	First issue	ISU				

Terminal Strip: XCF-T
 TERMINAL STRIP : XCF-T
 14-SW-5-1



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