

US STEEL KOSICE/SLOVAKIA
50.3023.01
SUBSTATION T81

COUPLING

CIRCUIT DIAGRAM

A = L08

/ A01

D009781.01. 608-3. AHA

50.3023.01-A4-741-110
COVER SHEET
PANEL
08

03 AS BUILT 5.12.2006 AD
02 FACT.-REV. 30.10.2005 BL
01 Approval 30.06.2005 Hee
Nr. Alteration Date Name

07.12.2006
D00978101
H10115ME
L08
A01
ADAM

DATE :	06.06.2005
prep.:	Hänicke
Check:	Grohmann
Norm :	

03	AS BUILT	5.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	 AREVA	CIRCUIT DIAGRAM		50. 3023. 01-A4-741410		A	/ A02								
02	FACT. -REV.	30.10.2005	BL	Drawn	Hönlecke	50. 3023. 01		PANEL		Typ: 06											
01	Approval	30.06.2005	Mie	Check	Grohmann	SUBSTATION T81		08		COUPLING											
NO.	Alteration	Date	Name	Std.		Orig.	iss.for	iss.by:			D009781.01.608-3.AHA		45Sh.								
						1		2		3		4		5		6		7		8	

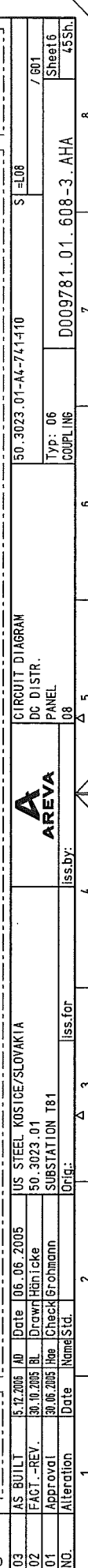
Copyright as per DIN 34 to be observed!

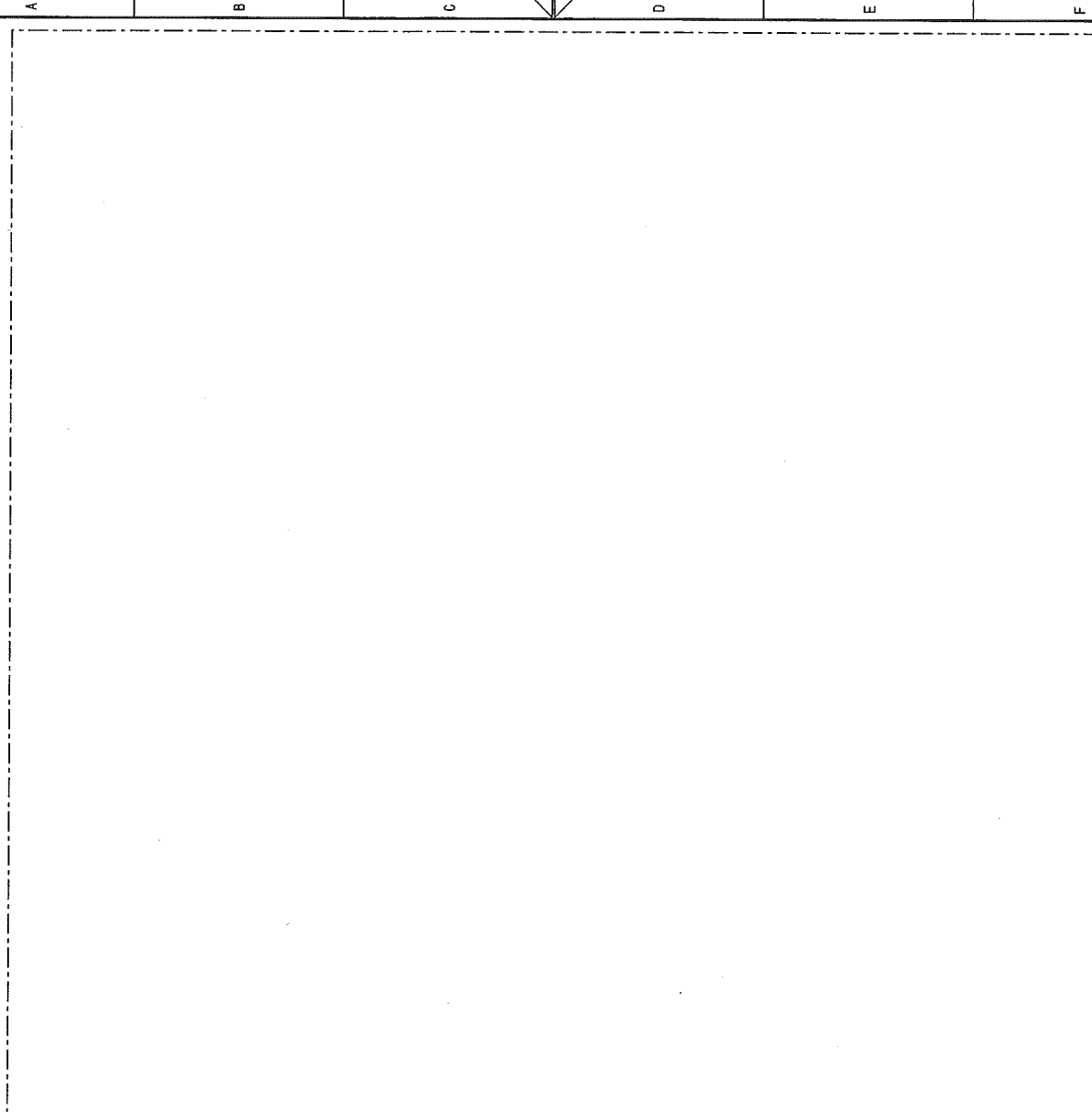
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			01	02	03	A =L08	A01	1 COVER SHEET PANEL
			01	02	03	A =L08	A02	2 CIRCUIT DIAGRAM PANEL
			01	02	03	A =L08	B01	3 Inhaltssverzeichnis PANEL
			01	02	03	A =L08	B02	4 Inhaltssverzeichnis PANEL
			01	02	03	S =L08	D01	5 CIRCUIT DIAGRAM PANEL
			01	02	03	S =L08	G01	6 CIRCUIT DIAGRAM PANEL
			01	02	03	S =L08	L01	7 CIRCUIT DIAGRAM PANEL
			01	02	03	S =L08	M01	8 CIRCUIT DIAGRAM PANEL
			01	02	03	S =L08	N01	9 CIRCUIT DIAGRAM PANEL
			01	02	03	S =L08	G01	10 CIRCUIT DIAGRAM PANEL
			01	02	03	S =L08	G02	11 CIRCUIT DIAGRAM PANEL
			01	02	03	S =L08	G03	12 CIRCUIT DIAGRAM PANEL
			01	02	03	S =L08	G04	13 CIRCUIT DIAGRAM PANEL
			01	02	03	S =L08	R01	14 CIRCUIT DIAGRAM PANEL
			01	02	03	S =L08	T01	15 CIRCUIT DIAGRAM PANEL
			01	02	03	S =L08	T02	16 CIRCUIT DIAGRAM PANEL
			01	02	03	S =L08	T03	17 CIRCUIT DIAGRAM PANEL
			01	02	03	S =L08	V01	18 CIRCUIT DIAGRAM PANEL
			01	02	03	S =L08	Z1F1	19 LIST OF EQUIPMENT PANEL
			01	02	03	S =L08	Z1H1	20 LIST OF EQUIPMENT PANEL
			01	02	03	S =L08	Z1K1	21 LIST OF EQUIPMENT PANEL
			01	02	03	S =L08	Z1P1	22 LIST OF EQUIPMENT PANEL
			01	02	03	S =L08	Z1S1	23 LIST OF EQUIPMENT PANEL
			01	02	03	S =L08	Z2C1	24 LIST OF EQUIPMENT PANEL
			01	02	03	S =L08	Z2P1	25 Betriebsmitteleplan PANEL
			01	02	03	S =L08	Z2S1	26 LIST OF EQUIPMENT PANEL
			01	02	03	S =L08	Z3G1	27 LIST OF EQUIPMENT PANEL
			01	02	03	S =L08	Z3O2	28 LIST OF EQUIPMENT PANEL
			01	02	03	V =L08 +S1.R	K01	29 TERMINAL DIAGRAM PANEL
			01	02	03	V =L08 +S1.R	K10	30 TERMINAL DIAGRAM PANEL
			01	02	03	V =L08 +S1.R	K11	31 TERMINAL DIAGRAM PANEL

1		2		3		4		5		6		7		8	
CLIENT DOCUMENT NUMBER		RELEASE BY DOCUMENT NUMBER		VERSION STATUS		DOCUMENT IDENTIFICATION		SHEET		DESIGN					
						SORT MATCHING		ITEM NO.							
A	50.3023.01-A4-741-110	D009781.01.608-3.AHA		01	02	03	V	L08	K30	32	TERMINAL DIAGRAM PANEL	08			
	50.3023.01-A4-741-110	D009781.01.608-3.AHA		01	02	03	V	L08	K40	33	TERMINAL DIAGRAM PANEL	08			
	50.3023.01-A4-741-110	D009781.01.608-3.AHA		01	02	03	V	L08	K60	34	TERMINAL DIAGRAM PANEL	08			
	50.3023.01-A4-741-110	D009781.01.608-3.AHA		01	02	03	V	L08	K80	35	TERMINAL DIAGRAM PANEL	08			
B	50.3023.01-A4-741-110	D009781.01.608-3.AHA		01	02	03	V	L08	K81	36	TERMINAL DIAGRAM PANEL	08			
	50.3023.01-A4-741-110	D009781.01.608-3.AHA		01	02	03	V	L08	K90	37	TERMINAL DIAGRAM PANEL	08			
	50.3023.01-A4-741-110	D009781.01.608-3.AHA		01	02	03	V	L08	KPE	38	TERMINAL DIAGRAM PANEL	08			
	50.3023.01-A4-741-110	D009781.01.608-3.AHA		01	02	03	V	L08	Q10	39	CROSS CONNECT. LIST	RELAY BOX			
C	50.3023.01-A4-741-110	D009781.01.608-3.AHA		01	02	03	V	L08	S01	40	PLUG DIAGRAM	CIRCUIT-BREAKER			
	50.3023.01-A4-741-110	D009781.01.608-3.AHA		01	02	03	V	L08	Q15	41	CROSS CONNECT. LIST	RELAY BOX			
	50.3023.01-A4-741-110	D009781.01.608-3.AHA		01	02	03	V	L08	Q30	42	CROSS CONNECT. LIST	SWITCHING TRUCK			
	50.3023.01-A4-741-110	D009781.01.608-3.AHA		01	02	03	V	L08	Q31	43	CROSS CONNECT. LIST	SWITCHING TRUCK			
D	50.3023.01-A4-741-110	D009781.01.608-3.AHA		01	02	03	V	L08	Q32	44	CROSS CONNECT. LIST	SWITCHING TRUCK			
	50.3023.01-A4-741-110	D009781.01.608-3.AHA		01	02	03	V	L08	S01	45	PLUG DIAGRAM	CIRCUIT-BREAKER			
E															
F															

03	AS BUILT	5.12.2006	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		Inhaltsverzeichnis		50.3023.01-A4-741-110		A		/ 802	
02	FACT - REV.	30.10.2005	BL	Drawn	Hänticke	50.3023.01		PANEL		Typ: 06		COUPLING		Sheet 4	
01	Approval	30.06.2005	Re	Checked	Grohmann	SUBSTATION T81		08		D009781.01.608-3.AHA		45Sh.			
NO.	Alteration	Date	Name	Std.	Iss. for	Iss. by:									

03	AS BUILT	5.12.2005	AU	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	 ARVA	CIRCUIT DIAGRAM AC-DISTRIBUTION PANEL	50.3023.01-A4-741-10	S=L08	/ 001	Sheet 5 45Sh.
02	FACT. - REV.	30.10.2005	BL	Drawn	Hörnigke	50.3023.01						
01	Approval	30.06.2005	Hae	Check	Grahamm	SUBSTATION T81						
NO.	Alteration	Date	Name	Std.	Qrig:	iss. for						
								08	Type: 06 COUPLING	D009781.01.608-3.AHA		



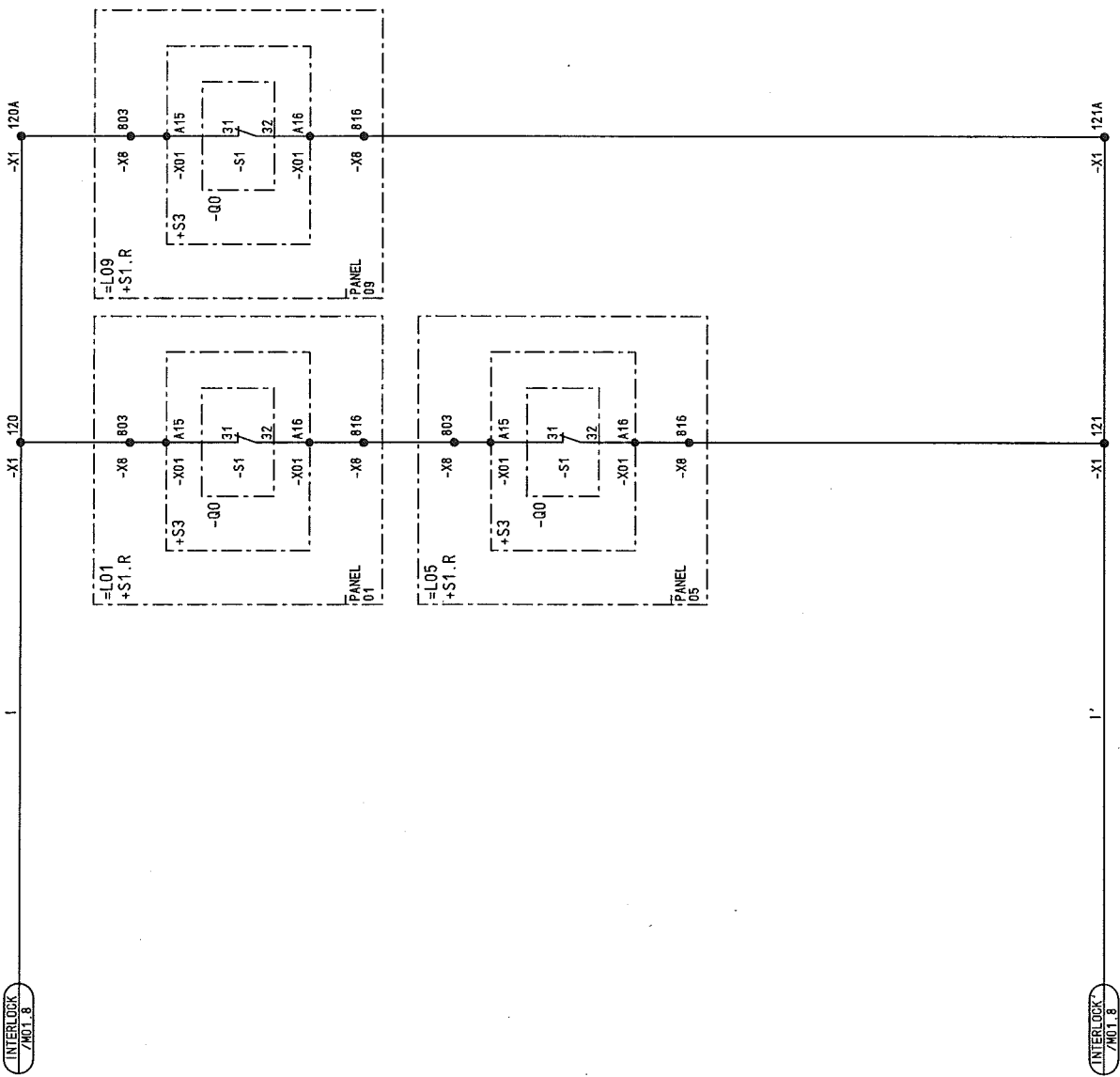


03	AS BUILT	5.12.2006	AD	Date	06.06.2005	US STEEL KOSTICE/SLOVAKIA	 AREVA	CIRCUIT DIAGRAM	50_3023_01-44-741410	S=L08	/ L01
02	FACT.-REV.	30.10.2005	BL	Drawn	Hniece	50_3023_01		CIRCUIT-BREAKER			
01	Approval	30.06.2005	Hes	Checked	Grahmann	SUBSTATION T81		PANEL	Typ: 06	Sheet7	
1	Alteration	Date	Name	Std.		Orig:		iss.by:	08	COUPLING	
1			2			3	4	5	6	7	8

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03	AS BUILT	5.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	50.3023.01	50.3023.01-A4-741410	S	L08	/ NO1
02	FACT.-REV.	30.10.2005	BL	Drawn	Hänticke						Sheet9
01	Approval	30.06.2005	Hoe	Check	Grohmann						45Sh
NO.	Alteration	Date	Name	Sid.	Iss. for	Iss. by:		D009781.01.608-3.AHA	Typ: 06	COUPLING	



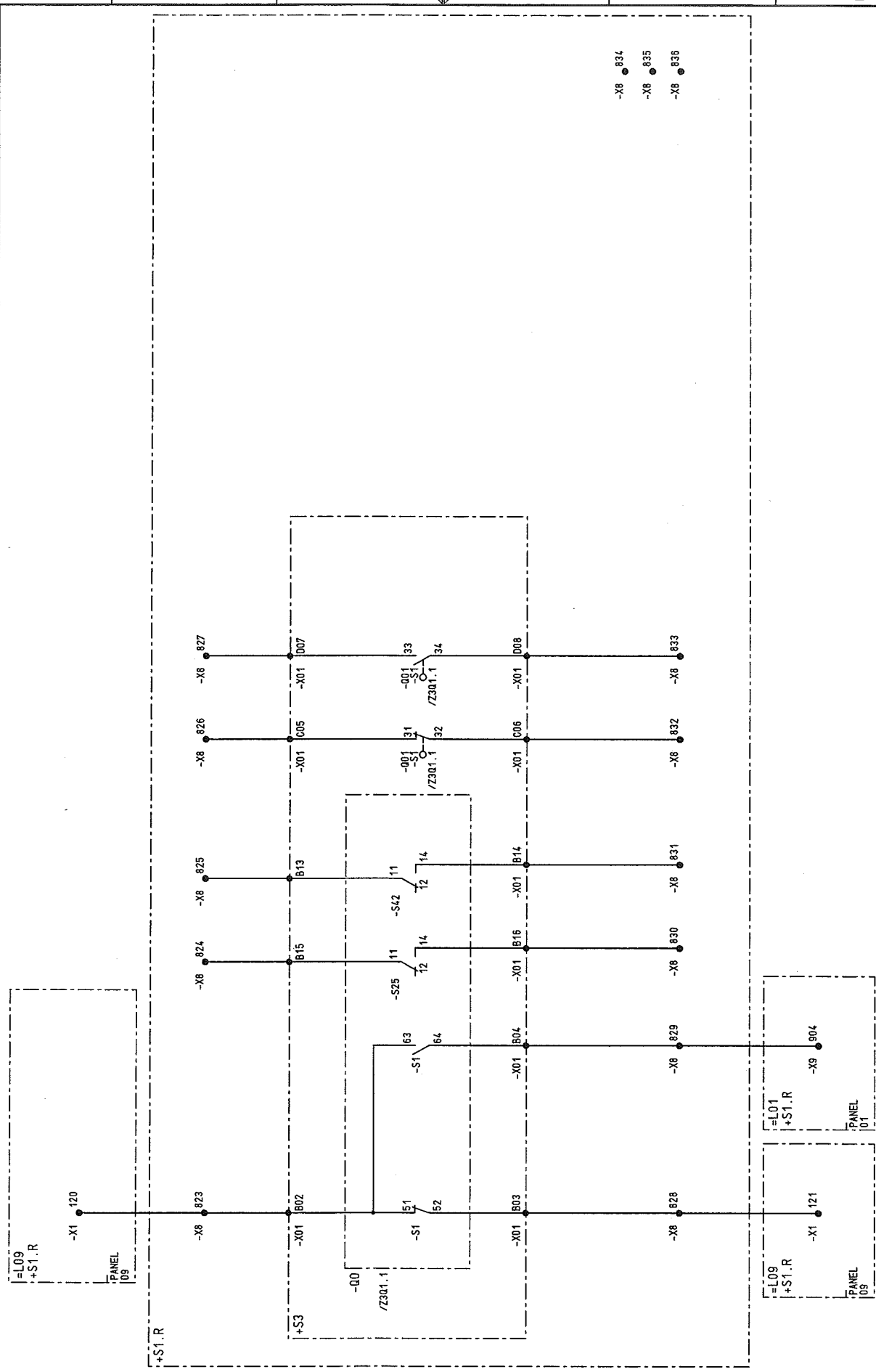


03	AS BUILT	5.12.2005	10	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	 AREVA	CIRCUIT DIAGRAM POSITION INDICA.	50_3023_01-AA-741-110		S=108	
02	FACT. -REV.	30.10.2005	BL	Drawn	Häntke	50_3023_01						
01	Approval	30.06.2005	Hoe	Check	Grohmann	SUBSTATION T81		PANEL	Type: 06	D009781.01.608-3.AHA		Sheet 10
NO.	Alteration	Date	Name	Sld.		Orig:	iss.for	iss.by:	08	COUPLING		45Sh.



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03	AS BUILT	15.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	CIRCUIT DIAGRAM	50.3023.01-A4-741410	S=L08	/ 004
02	FACT.-REV.	30.10.2005	BL	Drawn	Hönigke	50.3023.01	SPARE CONTACTS			
01	Approval	30.06.2005	Hoe	Check	Grohmann	SUBSTATION T81	PANEL			
NO.	Alteration	Date	Name	Std.	Orig.	Iss. for	Iss. by:	D009781.01.608-3.AHA	Typ: 06	Sheet 13
								COUPLING		45Sh

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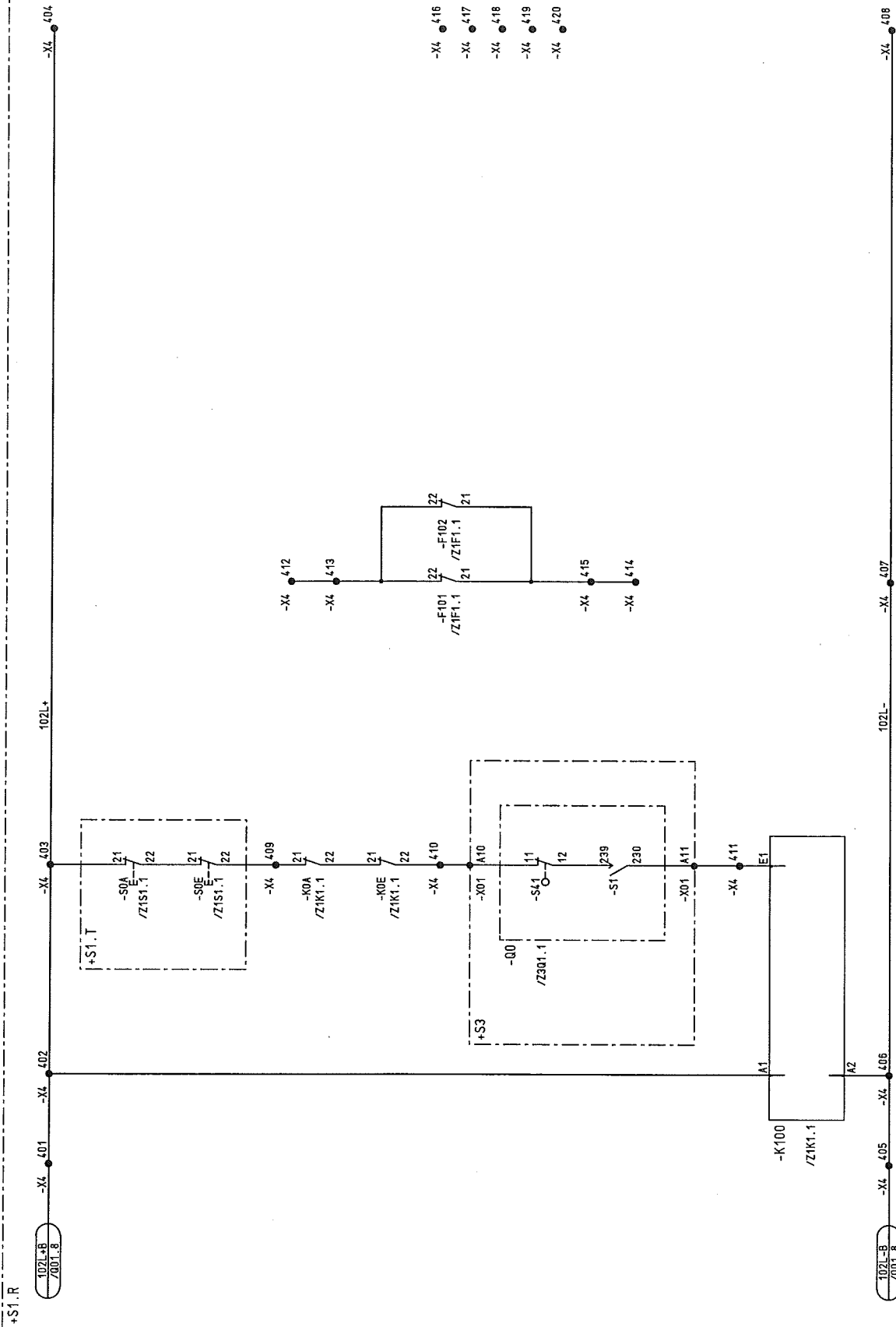
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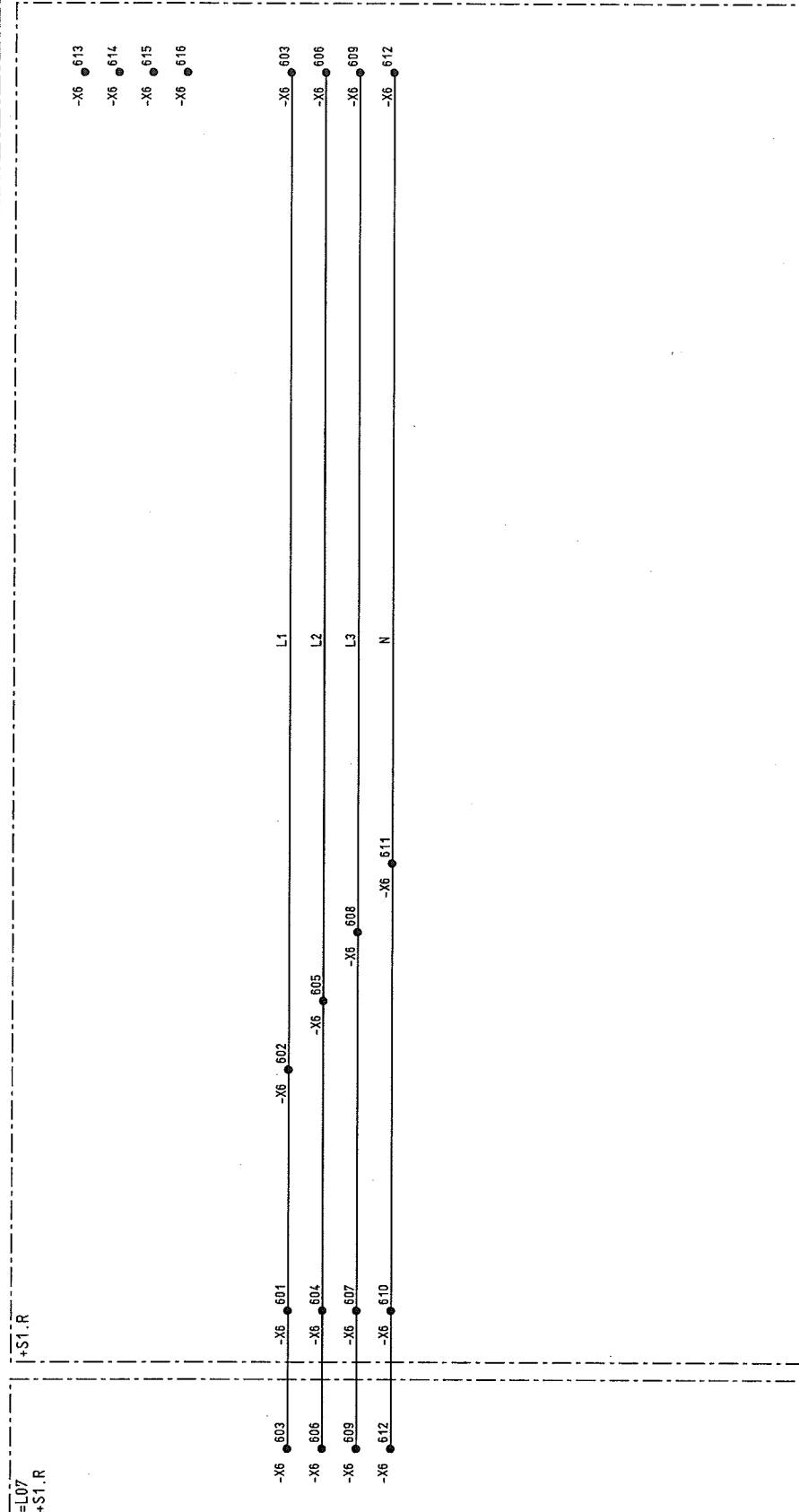
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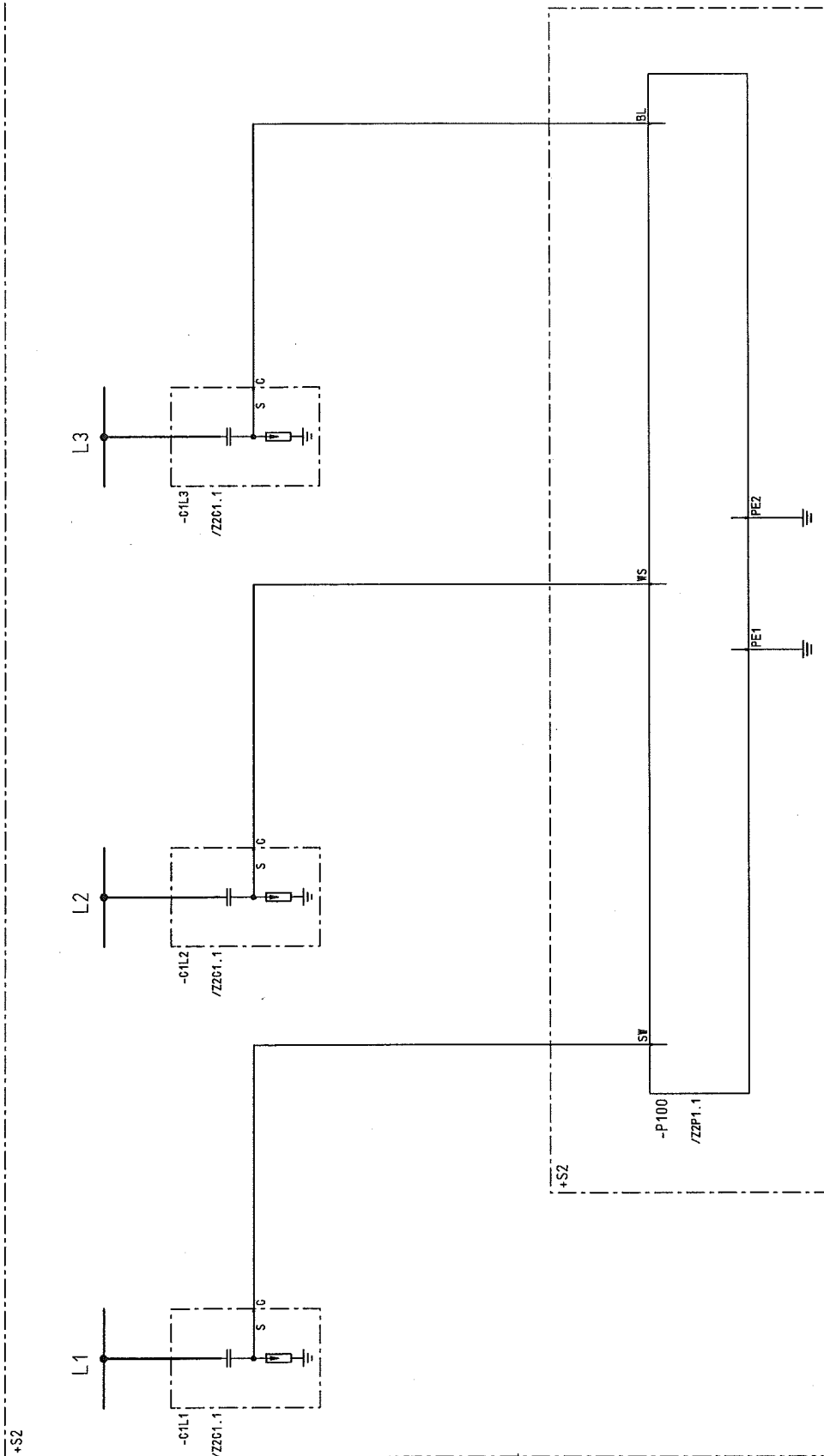
D0978101 Copyright as per DIN 34 to be observed!

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NO.	Alteration	Date	Name	Std.	Iss. for	Iss. by:	Panel	Signal	Diagram	50.3023.01-A4-741410	S1-L08	7 R01	Sheet 14	45Sh.
03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA								
02	FACT. -REV.	30.10.2005	BL	Drawn	Hennicke	50.3023.01								
01	Approval	30.06.2005	Rac	Check	Grohmann	SUBSTATION T81								
						Orig:								
						Iss. for								
						Iss. by:								
						Panel								
						Signal								
						Diagram								
						50.3023.01-A4-741410								
						S1-L08								
						7 R01								
						Sheet 14								
						45Sh.								





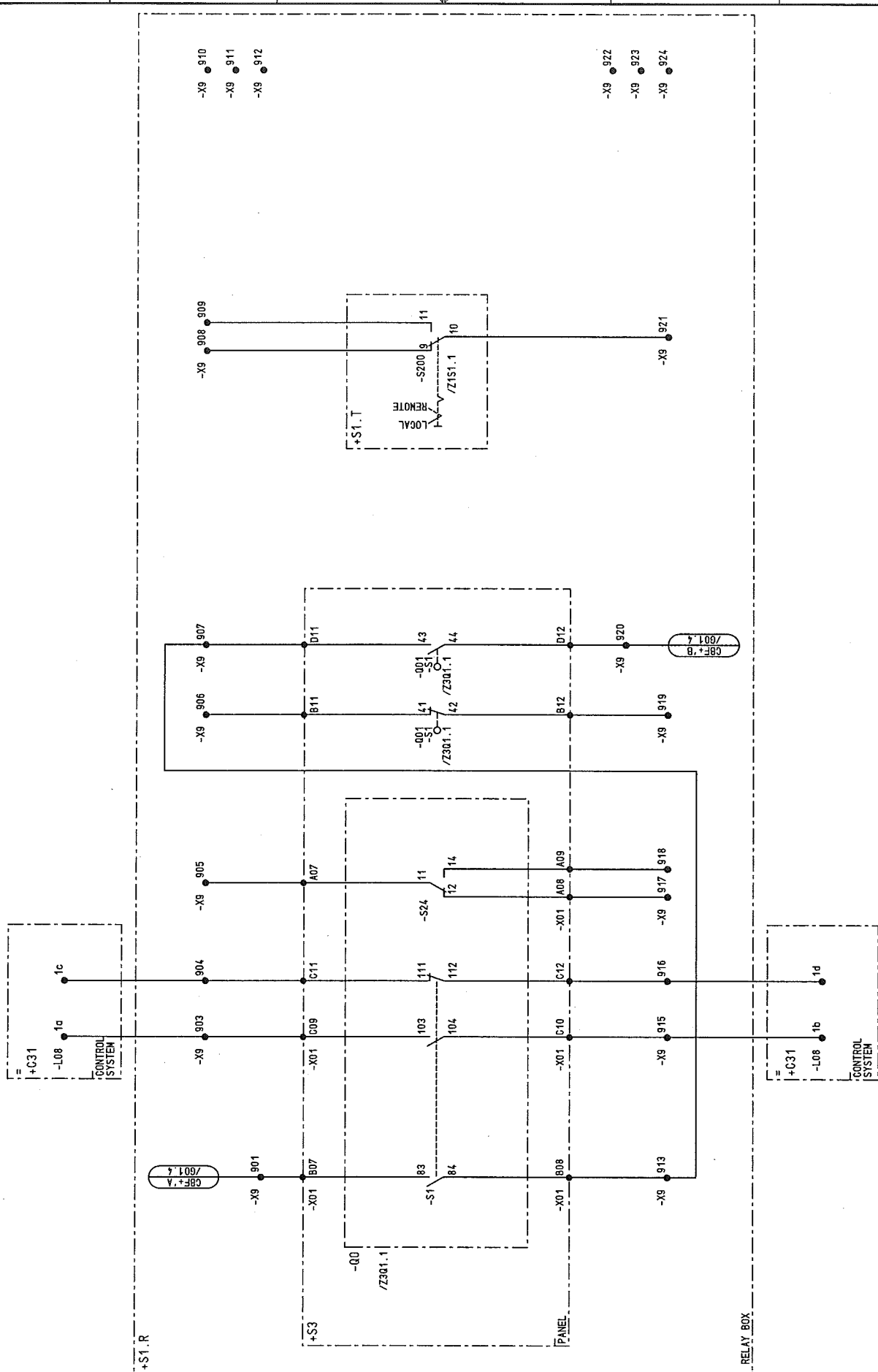
03	AS BUILT	5.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		CIRCUIT DIAGRAM	50.3023.01-A4-741410	S=L08	/ T02
02	FACT.-REV.	30.10.2005	BL	Drawn	Häntcke	50.3023.01					
01	Approval	30.06.2005	Hse	Checked	Grohmann	SUBSTATION T81					
NO.	Alteration	Date	Name	Std.	Orig.:	Iss. for	Iss. by:	08	Typ: 06 COUPLING	D009781.01.608-3.AHA	Sheet 16 45Sh.

03	AS BUILT	5.2.2008	AD	Date	16.06.2005		US STEEL KOSICE/SLOVAKIA	CIRCUIT DIAGRAM	50_3023_01-46-741410	S=L08	/ T03
	FACT.-REV.	30.10.2005	BL	Drawn	Hänticke		50_3023_01	I/VIS			
01	Approval	30.06.2005	Bla	Check	Grohmann		SUBSTAT ION T81	PANEL	Type: 06 COUPLING	D009781.01_608-3_AHA	Sheet 17 / 45Sh.
NÖ.	Alteration	Date	Name	Sld.	Orig:	iss.for	iss.by:	08			

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07.12.2008
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03	AS BUILT	5.12.2005	AD	Date	06.06.2005	US STEEL KOSTICE/SLOVAKIA	CIRCUIT DIAGRAM	50.3023.01-A4-741-410	S1=L08	/ V01
02	FACT.-REV.	30.10.2005	BL	Drawn	Hrnice	50.3023.01	SPARE CONTACTS			
01	Approval	30.06.2005	Ree	Check	Grohmann	SUBSTATION T81	PANEL			Sheet 18
NO.	Alteration	Date	Name	Std.	Orig.	Iss. for	Iss. by:	COUPLING	D009781.01.608-3.AHA	45Sh



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1	2	3	4	5	6	7	8
STÜCK- TITEL	DESCRIPTION, TECHNICAL DATA APPLICATION	MANUFACTURER, TYPE, ORDERING DATA SETTINGS MOUNTING APPA. DESIG.	APPARATUS SYMBOL DIAGRAM REFERENCE TO INDIVIDUAL TREATMENT (CIRCUIT DIAGRAM, SHEET NO., CIRCUIT NO.)				
1	M.C.B. AUXILIARY SWITCH HH	Manuf. : GE Ord.No. : 566311 Type: EP102 UC 86					
1	RATED CURRENT : 6A AUXILIARY SWITCH	CHARACTERISTIC : B Type : CB SH/HH-R Ordering number : 672570					
1	M.C.B. AUXILIARY SWITCH HH	Manuf. : GE Ord.No. : 566336 Type: EP102 UC 60,5					
1	RATED CURRENT : 0,5A AUXILIARY SWITCH	CHARACTERISTIC : C Type : CB SH/HH-R Ordering number : 672570					
1	MOTOR DRIVE	Settings : Location : *S1.R Item designation : -F101					


03	AS BUILT	5.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	LIST OF EQUIPMENT S = L08	50.3023.01-A4-74-110	/ ZIF1
02	FACT.-REV.	30.10.2005	BL	Drawn	Hgnicke	50.3023.01			
01	Approval	30.06.2005	Hg	Check	Grohmann	SUBSTATION T81			
NO.	Alteration	Date	Name/Sld.	Iss. for	Iss. by:	Orig.	108	009781.01. 608-3 AHA	45Sh.

03	AS BUILT	5.12.2005	AD	Date	106.06.2005	US STEEL KOSICE/SLOVAKIA	 AREVA	LIST OF EQUIPMENT		50_3023_01-A4-741-10	S=L08
02	FACT. -REV.	30.10.2005	BL	Drawn	Hn1icke	50_3023_01		PANEL			
01	Approval	30.06.2005	Hae	Check	Grohmann	SUBSTATION T81		Type: 06			
00	Alteration							COUPLING			
IND.	Name	Date	Iss.for	Iss.by:			08		D009781.01_608-3_AHA	45Sh.	

NO.	DATE	NAME	ORIG.	ISS.
03	AS BUILT	15.12.2005 AD	106.06.2005	US STEEL KOSICE/SLOVAKIA
02	FAST. -REV.	30.10.2005 BL	Draha Hanička	50.3023.01
01	Approval	30.06.2005 Hse	Check Grohmann	SURSTATION 781
NO.	Approval	DATE	NAME	ORIG.

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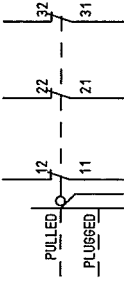
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03	AS BUILT	5.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	 AREVA		LIST OF EQUIPMENT		50.3023.01-A4-741410		S=L08
02	FACT. -REV.	30.10.2005	BL	Drawn	Häntcke	50.3023.01			PANEL		Typ: 06 COUPLING	Sheet 24 45Sh.	
01	Approval	30.06.2005	Hhe	Checked	Grohmann	SUBSTATION T81	iss.by:		08		D009781.01.608-3.AHA		
INO.	Alteration	Date	Name	Std.		Orig.:		iss.for					
		1			2	Δ		3	4	5	6	7	8

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D0978101 Copyright as per DIN 34 to be observed!

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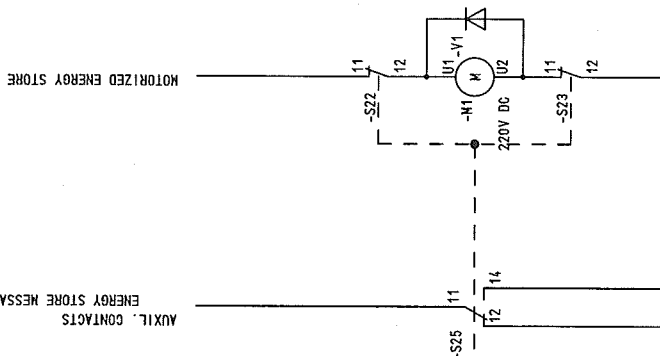
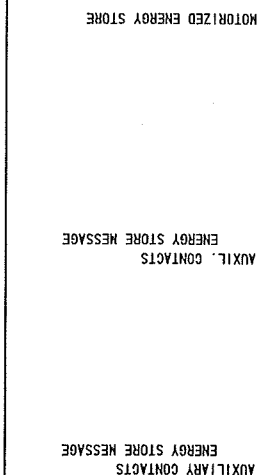
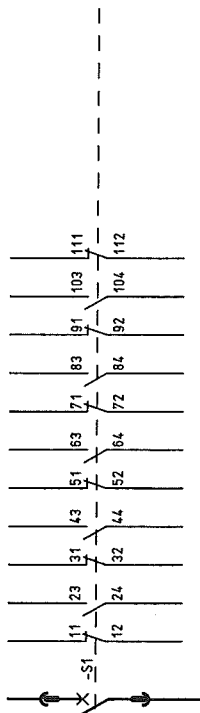
1	2	3	4	5	6	7	8	
STÜCK- TITEL	DESCRIPTION, DESIGN, TECHNICAL DATA APPLICATION	MANUFACTURER, TYPE, ORDERING DATA SETTINGS MOUNTING APPA. DESIG.	APPARATUS SYMBOL DIAGRAM REFERENCE TO INDIVIDUAL TREATMENT (CIRCUIT DIAGRAM, SHEET NO., CIRCUIT NO.)	WITH REFERENCES TO DETAILS (CIRCUIT DIAGRAM, SHEET NO., CIRCUIT NO.)				REMARK
1	AUXILIARY SWITCH PLUG PULLED	Manuf.: ALSTOM Ord.No.: Type: Technical components per device Type Ordering number						
	Application PLUG PULLED	Settings +S2	Location +S2	Item designation -S1				

03	AS BUILT	5.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		LIST OF EQUIPMENT		50.3023.01-A4-741410	S	L08
02	FACT.-REV.	30.10.2005	BL	Drawn	Hüntke	50.3023.01		PANEL				
01	Approval	30.06.2005	Hae	Check	Grohmann	SUBSTATION T81		PANEL				
NO.	Alteration	Date	Name	Std.	Orig.	Iss.for		Iss.by:				

1 2 3 4 5 6 7 8

50.3023.01-A4-741410
Typ: 06
COUPLING
D009781.01.608-3.AHA
Sheet 126
45Sh

03	AS BUILT	5.12.2005	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA		LIST OF EQUIPMENT		50_3023_01-A4-741410	S=L08	/ Z301
02	FACT.-REV.	30.10.2005	BL	Draht	Hánické	50_3023_01						
01	Approval	30.06.2005	Hoe	Geck	Grohmann	SUBSTATION T81						
NO.	Alteration	Date	Name	Std.	Orig.	Iss. for	Iss. by:	PANEL	Type: 06	COUPLING	D009781.01_608-3_AHA	45SH



03	AS BUILT	5.12.2005	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA	 AREVA	LIST OF EQUIPMENT		50.3023.01-A4-741410	S = 108
02	FACT. - REV.	30.10.2005	BL	Drawn	Hänticke	50.3023.01					
01	Approval	30.05.2005	lka	Check	Grohmann	SUBSTATION T81					
NO.	Alteration	Date	Name	Sid.	Date	Iss. for	Iss. by:	PANEL	08	Type: 06 COUPLING	Sheet 28 45Sh.
						Orig.:				D009781.01.608-3.AHA	/ Z302

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03	AS_BUILT	5.12.2005	NO	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA		TERMINAL DIAGRAM	50_3023.01-44-741410	V=L08	/ K10
02	FACT.-REV.	30.10.2005	BL	Drawn	HdnTcke	50_3023.01		PANEL	Type: 06	Sheet 30	
01	Approval	30.06.2005	Hoe	Check	Grohmann	SUBSTATION T81		08	COMPLING	45SH	
NO.	Alteration	Date	Name	Std.	Orig.	Iss. for	Iss. by:				

003	AS BUILT	5.12.2005	NO	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA		TERMINAL DIAGRAM	50_3023_01-A4-741410		V =L08
002	FACT. - REV.	30.10.2005	BL	Drawn	HnDicke	50_3023_01			/ K11		*S1.R
001	Approval	30.06.2005	Ree	Check	Grohmann	SUBSTATION T81			/ K11		
004	Alteration			Date		Orig:	iss. by:	08	Type: 06	D009781_01_608-3_AHA	Sheet 31
005	Alteration								Coupling		45 Sh.

1		2		3		4		5		6		7		8	
NO CABLE		WIRES USED SHEET STATE		CABLE-TYPE SECTION		CORES		-ROUTE		CIRCUIT DIAGRAM		CABLE MATERIAL		Ø COLOR TERM. TYPE	
												STANDARD: UK5N POS.: 0 H05V-K 1.5MM2 SW H05V-K 1.0MM2 SW			

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[illegible]

00978101 Copyright as per DIN 34 to be observed!

07.12.2006

1		2		3		4		5		6		7		8	
NO. CABLE		WIRES USED SHEET STATE		CABLE-TYPE SECTION		CORES		-ROUTE		CIRCUIT DIAGRAM		CABLE MATERIAL		Ø COLOR TERM. TYPE	
												H07V-K 1.5MM2 SW		STANDARD: MTK-P/P	
												POS.: 0 H05V-K 1.0MM2 SW		SW	

[illegible]

[illegible]

[illegible]

CROSS CONNECTION

[illegible][illegible]

Copyright as per DIN 34 to be observed!

HJ0115ME
=L08+S1
Q10
ADAM

9

[illegible]

03	AS BUILT	5.12.2005	AD	Date	05.06.2005	 AREVA	US STEEL KOSICE/SLOVAKIA 50.3023.01	CROSS CONNECT. LIST RELAY BOX	50.3023.01-44-741-110 V=08 451.T	/ Q15 Sheet 11 45SH
02	FACT - REV.	30.10.2005	BL	Drawn	Häntcke					
01	Approval	30.06.2005	Hte	Checked	Grohmann					
NO.	Alteration	Date	Name	Std.						
SUBSTATION T81						Orig.:	Iss. for:	Iss. by:	08	D009781.01.608-3.AHA

SOCKET

[illegible]

003	AS BUILT	5.12.2005	AD	06.06.2005	US STEEL KOSICE/SLOVAKIA		PLUG DIAGRAM CIRCUIT-BREAKER PANEL 08	50. 3023. 01-A4-741-10 V =L08 -S1.R	/ S01 Sheet 45Sh.
002	FACT -REV.	30.10.2005	BL	DrownHnltcke	50. 3023. 01				
001	Approval	30.05.2005	Rhe	Check Gromann	SUBSTATION T81				
NO.	Alteration	Date	Name	Std.	Orig.	Iss. for	Iss. by:	Typ: 06 COUPLING	D009781.01.608-3.AHA 45Sh.

CROSS CONNECTION

REFERENCE	POTENTIAL ITEM CR. SECTION	CABLE MATERIAL COLOR	OUTPUT TERMINAL	DESTINATION 1	DESTINATION 2	DESTINATION 3	DESTINATION 4	DESTINATION 5	DESTINATION 6
D01	0 1.0MW2	H05V-K SW	-X01	B05 -S1	-00 71				
D01	0 1.0MW2	H05V-K SW	-X01	B06 -S1	-00 72				
L01	0 1.0MW2	H05V-K SW	-X01	A01 -S22	-00 11				
L01	0 1.0MW2	H05V-K SW	-X01	A02 -S23	-00 12				
M01	0 1.0MW2	H05V-K SW	-F11	-00 C1 -S1	-00 214				
M01	0 1.0MW2	H05V-K SW	-F2	-00 C1 -S1	-00 222				
M01	0 1.0MW2	H05V-K SW	-F2	-00 C2 -S43	-00 11				
M01	0 1.0MW2	H05V-K SW	-S1	-00 221 -S21	-00 14				
M01	0 1.0MW2	H05V-K SW	-S21	-00 13 -S6	-00 12				
M01	0 1.0MW2	H05V-K SW	-X01	A03 -S1	-00 213				
M01	0 1.0MW2	H05V-K SW	-X01	A04 -F11	-00 C2				
M01	0 1.0MW2	H05V-K SW	-X01	A05 -S6	-00 11				
M01	0 1.0MW2	H05V-K SW	-X01	A06 -S43	-00 12				
Q01	0 1.0MW2	H05V-K SW	-X01	A12 -S1	-00 11 -S1	-00 23			
Q01	0 1.0MW2	H05V-K SW	-X01	A13 -S1	-00 12				
Q01	0 1.0MW2	H05V-K SW	-X01	A14 -S1	-00 24				
Q01	0 1.0MW2	H05V-K SW	-X01	C15 -S1	-001 11 -S1	-001 13			
Q01	0 1.0MW2	H05V-K SW	-X01	C16 -S1	-001 12				
Q01	0 1.0MW2	H05V-K SW	-X01	D01 -S1	-001 14				
Q02	0 1.0MW2	H05V-K SW	-X01	A15 -S1	-00 31 -S1	-00 43			

Copyright as per DIN 34 to be observed

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03	AS BUILT	5.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA
02	FACT.-REV.	30.10.2005	BL	Drawn	Hönlücke	50.3023.01
01	Approval	30.06.2005	Hre	Check	Grohmann	SUBSTATION T81
NO.	Alteration	Date	Name	Std.	Iss. for	Orig.

CROSS CONNECT. LIST
SWITCHING TRUCK
PANEL50.3023.01-A4-741-110
Typ: 06
COUPLINGV=L08
+S3D009781.01.608-3.AHA
Sheet 42
45Sh.

CROSS CONNECTION

REFERENCE	POTENTIAL ITEM CR. SECTION	CABLE MATERIAL COLOR	OUTPUT TERMINAL	DESTINATION 1	DESTINATION 2	DESTINATION 3	DESTINATION 4	DESTINATION 5	DESTINATION 6
002	0 1.0MM2	H05Y-K SW	-X01	A16 -S1	-00 32				
002	0 1.0MM2	H05Y-K SW	-X01	B01 -S1	-00 44				
002	0 1.0MM2	H05Y-K SW	-X01	D02 -S1	-001 21 -S1	-001 23			
002	0 1.0MM2	H05Y-K SW	-X01	D03 -S1	-001 22				
002	0 1.0MM2	H05Y-K SW	-X01	D04 -S1	-001 24				
004	0 1.0MM2	H05Y-K SW	-X01	B02 -S1	-00 51 -S1	-00 63			
004	0 1.0MM2	H05Y-K SW	-X01	B03 -S1	-00 52				
004	0 1.0MM2	H05Y-K SW	-X01	B04 -S1	-00 64				
004	0 1.0MM2	H05Y-K SW	-X01	B13 -S42	-00 11				
004	0 1.0MM2	H05Y-K SW	-X01	B14 -S42	-00 14				
004	0 1.0MM2	H05Y-K SW	-X01	B15 -S25	-00 11				
004	0 1.0MM2	H05Y-K SW	-X01	B16 -S25	-00 14				
004	0 1.0MM2	H05Y-K SW	-X01	C05 -S1	-001 31				
004	0 1.0MM2	H05Y-K SW	-X01	C06 -S1	-001 32				
004	0 1.0MM2	H05Y-K SW	-X01	D07 -S1	-001 33				
004	0 1.0MM2	H05Y-K SW	-X01	D08 -S1	-001 34				
R01	0 1.0MM2	H05Y-K SW	-S1	-00 239 -S41	-00 12				
R01	0 1.0MM2	H05Y-K SW	-X01	A10 -S41	-00 11				
R01	0 1.0MM2	H05Y-K SW	-X01	A11 -S1	-00 230				
V01	0 1.0MM2	H05Y-K SW	-X01	A07 -S24	-00 11				

Copyright as per DIN 34 to be observed!

07.12.2006
HJ013ME
03-08+53
ADAM

03	AS BUILT	5.12.2005	AD	Date	106.06.2005	US STEEL KOSICE/SLOVAKIA	 AREVA CROSS CONNECT - LIST SWITCHING TRUCK PANEL 108	50.3023.01-A4-741-410	V	-108
02	FACT -REV.	30.10.2005	BL	Date	50.3023.01					
01	Approval	30.05.2005	Hoe	Check/Grohmann						
NO.	Alteration	Date	Name/Std.	Iss. for	Iss. by:					

Typ: 06
COUPLING

D009781.01.608-3.AHA

Sheet L3
45Sh.

TERMINAL DIA., 64 POLIG, CIRCUIT-BREAKER PIN

+S3 -X01
CABLE MATERIAL H05V-K 1.0mm2 SW

A		B		C		D	
+	+	+	+	+	+	+	+
1	-00 -S22 /L01.2	11	-00 -S1 /002.4	44	-00 -S1 /001.5	243	-001 -S1 /001.3
2	-00 -S23 /L01.2	12	-00 -S1 /004.2	51	-00 -F12 /001.5	C2	-001 -S1 /002.5
3	-00 -S1 /001.6	243	-00 -S1 /004.2	52	-001 -S1 /001.5	3	-001 -S1 /002.5
4	-00 -F11 /001.6	C2	-00 -S1 /004.2	64	-001 -S1 /004.4	4	-001 -S1 /002.5
5	-00 -S6 /001.7	11	-00 -S1 /001.3	71	-001 -S1 /004.4	5	-001 -S1 /002.5
6	-00 -S43 /001.7	12	-00 -S1 /001.3	72	-001 -S1 /004.4	6	-001 -S1 /002.5
7	-00 -S24 /001.4	11	-00 -S1 /001.2	83	-001 -S1 /001.3	7	-001 -S1 /004.4
8	-00 -S24 /001.3	12	-00 -S1 /001.2	84	-001 -S1 /001.3	8	-001 -S1 /004.4
9	-00 -S24 /001.4	14	-00 -S1 /001.2	91	-00 -S1 /001.3	9	-001 -S1 /004.4
10	-00 -S41 /001.3	11	-00 -S1 /001.2	92	-00 -S1 /001.3	10	-001 -S1 /004.4
11	-00 -S1 /001.3	230	-001 -S1 /001.4	41	-00 -S1 /001.3	11	-001 -S1 /001.5
12	-00 -S1 /001.2	11	-001 -S1 /001.4	42	-00 -S1 /001.3	12	-001 -S1 /001.5
13	-00 -S1 /001.2	12	-00 -S42 /004.3	11	-00 -S1 /001.3	13	-001 -S1 /001.5
14	-00 -S1 /001.2	24	-00 -S42 /004.3	14	-00 -S1 /001.3	14	-001 -S1 /001.5
15	-00 -S1 /002.3	31	-00 -S25 /004.3	11	-001 -S1 /001.3	15	-001 -S1 /001.5
16	-00 -S1 /002.3	22	-00 -S25 /004.3	14	-001 -S1 /001.3	16	-001 -S1 /001.5
+	+	+	+	+	+	+	+

Subject to technical modifications!
Copyright as per DIN 34 to be observed!

H10115ME
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S01
ADAM

03	AS BUILT	5.12.2005	AD	Date	06.06.2005	US STEEL KOSTICE/SLOVAKIA	PLUG DIAGRAM	50.3023.01-44-741-410	V=L08	/ S01
02	FACT -REV.	30.10.2005	BL	Drawn	Hänicke	50.3023.01	CIRCUIT-BREAKER		+33	Sheet 45
01	Approval	30.06.2005	He	Checked	Grohmann	SUBSTATION T81	PANEL			45SH
NO.	Alteration	Date	Named	Std.	Iss. for	Iss. by:	08	COUPLING	D009781.01.608-3.AHA	8