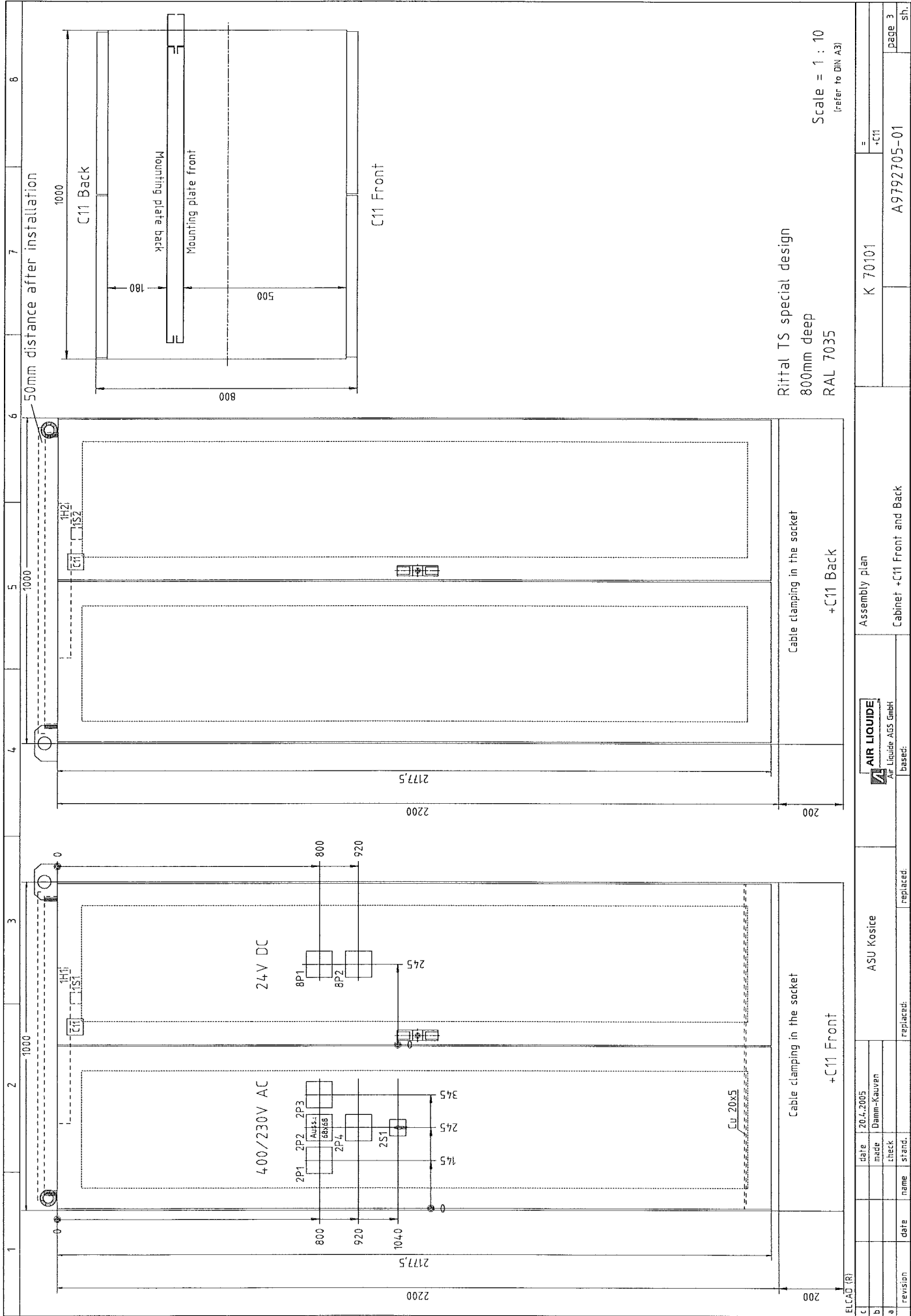
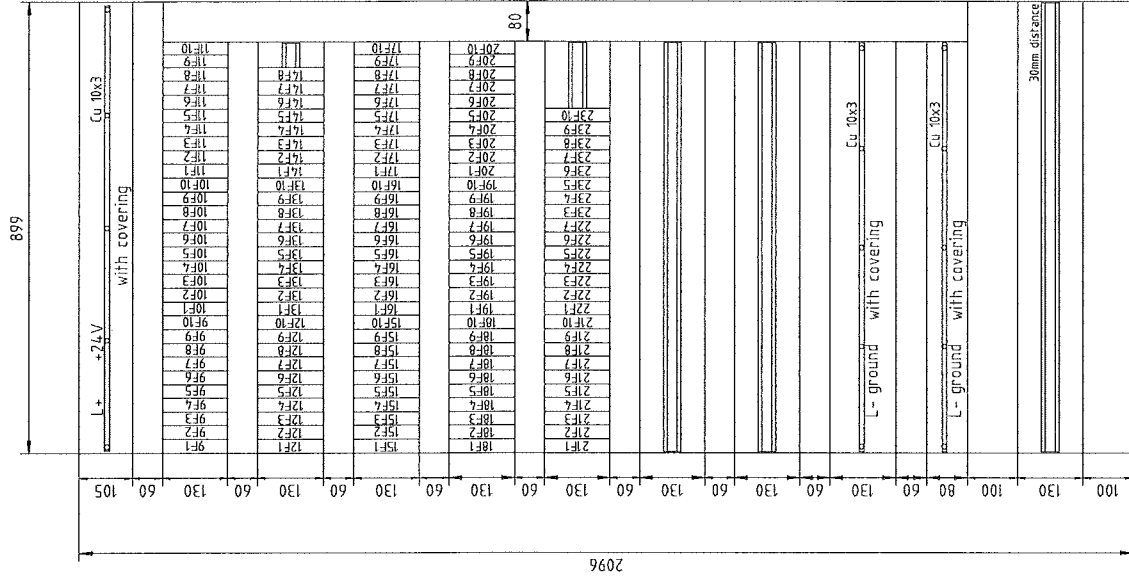
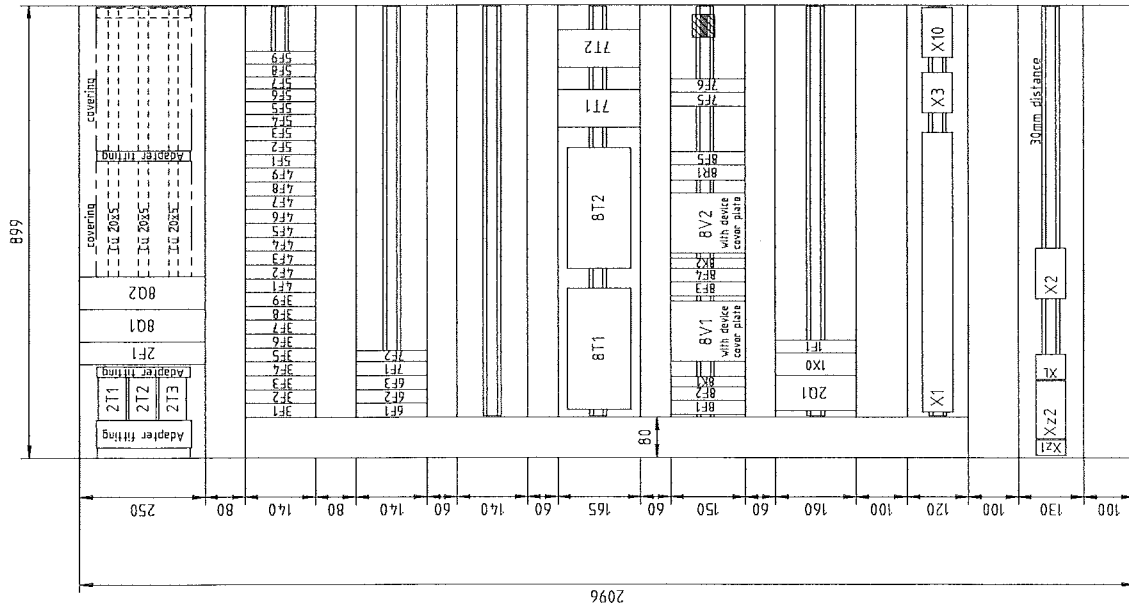


Bottom dimension for Rittal
TS Cabinet 800mm deep

M = 1 : 20
(bezogen auf DIN A3)

ELLCAD (R)		date		20.4.2005		ASU Kosice		AIR LIQUIDE		Assembly plan		K 70101		=	
c															
b															
a	revision	date	name	made	check	replaced:	replaced:								
										Bottom dimension cabinets +C11-15					
										A9792705-01					
										sh.					






Mounting plate C11 Front

All cable ducts 100mm high

Mounting plate C11 Back

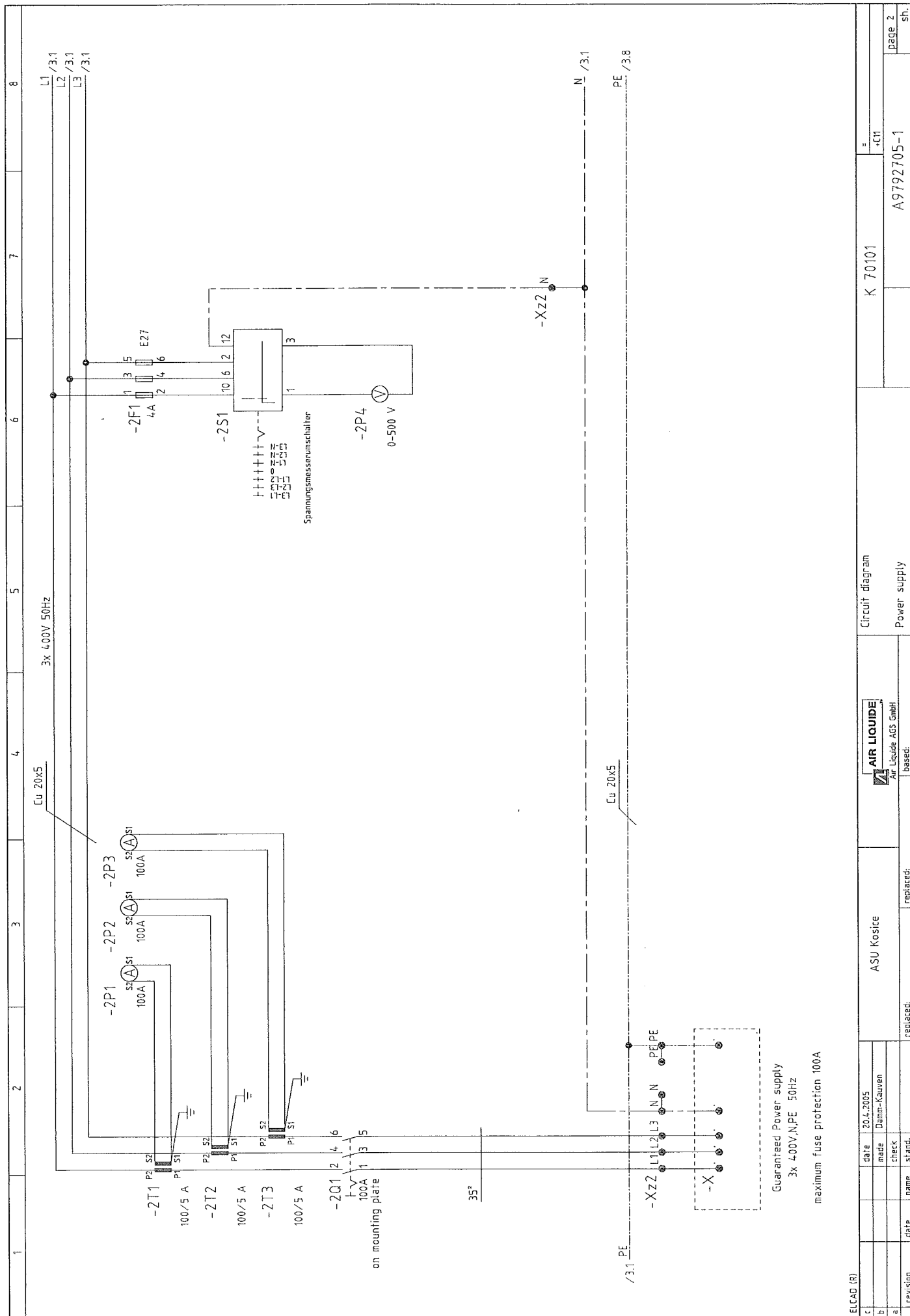
Scale = 1 : 10
(refer to DIN A3)

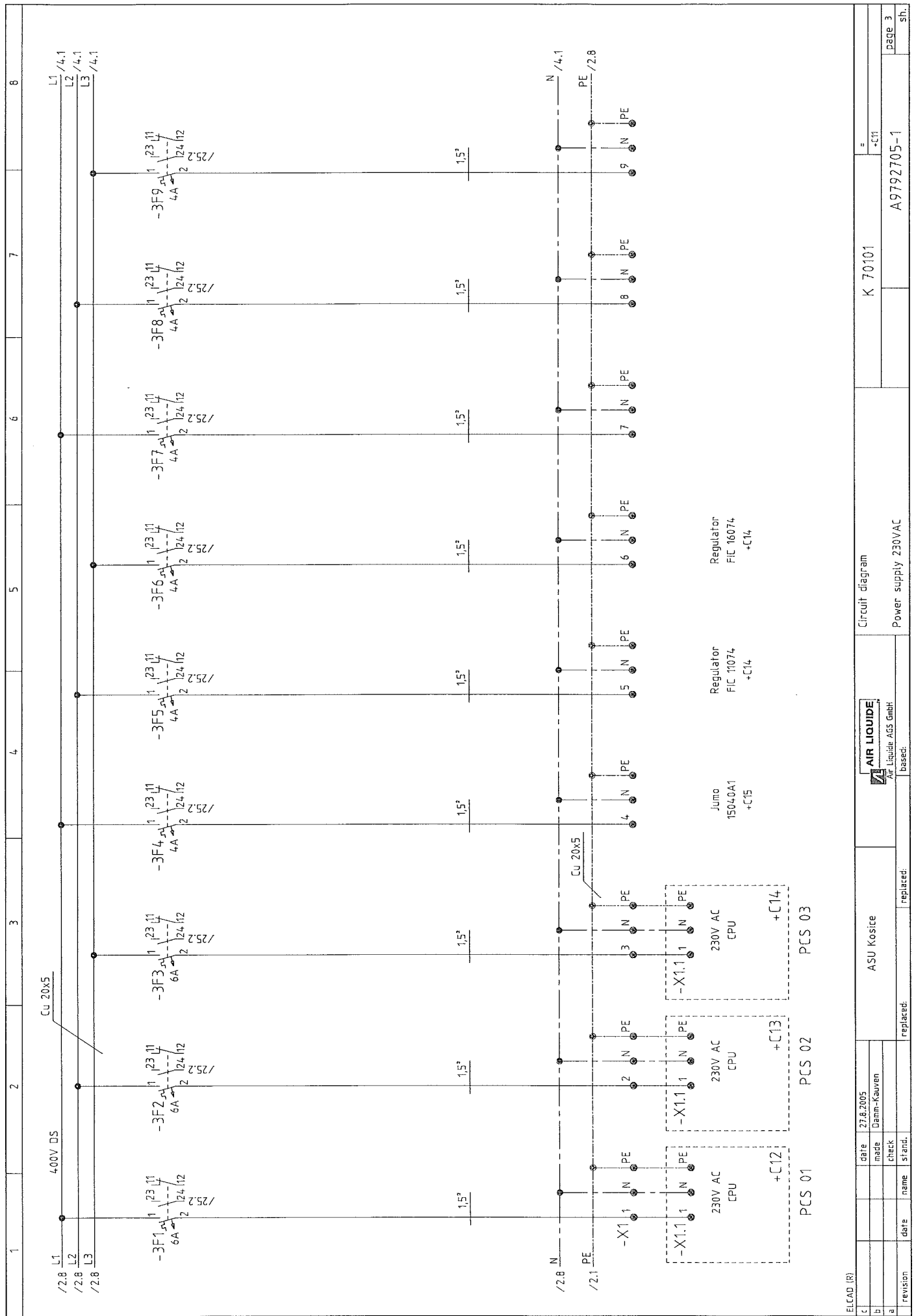
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c		date	15.11.2005	ASU Kosice				<div><div></div><div>AIR LIQUIDE</div></div>		Assembly plan		K 70101	=	
b		made	Damm-Kauven					Air Liquide AGS GmbH					+C11	
a		check												
		name						replaced:		Cabinet +C11 Mounting plats				
		date						replaced:		A9792705-01				page 4
		revision						based:						sh.

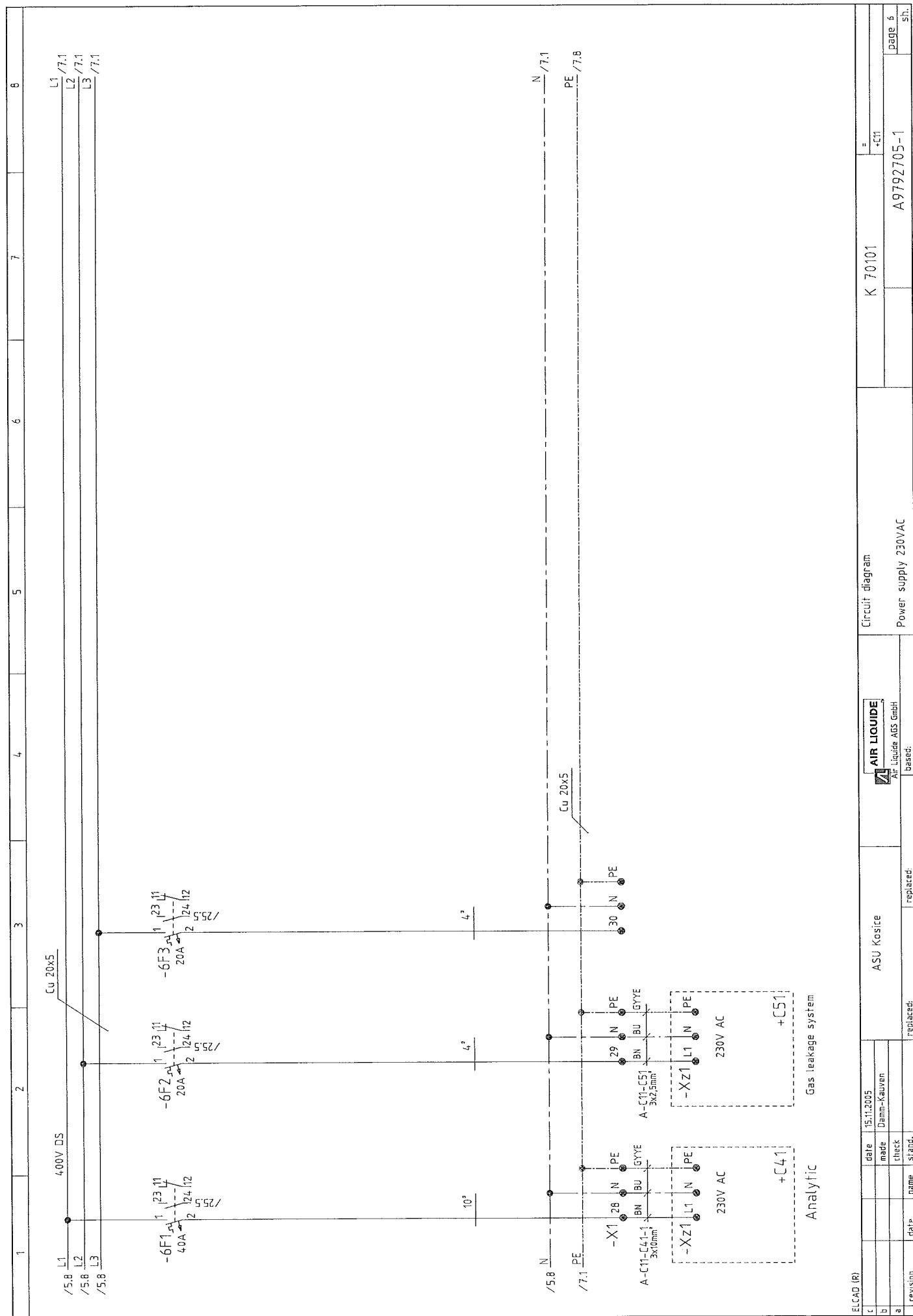
1		2		3		4		5		6		7		8	
Nr. No.	Stck. Qty.	Benennung Description				Hersteller Manufacturer	Kennzeichnung Mark	Type Type	Bemerkung Notes						
1	1	Control cabinet HxBxD: 2200x1000x800mm				Rittal		TS 8012.009 special	RAL 7035						
2	1 Pair	Schaltschrank HxBxT: 2200x1000x800				Rittal		TS 8128.235 special	RAL 7035						
3	1	Seitenfelle				Rittal		TS 8602.000							
4	1	Socket element front+backside 200mm				Rittal		TS 8602.080							
5	1	Socket-Elemente vorn+hinten 200mm				Rittal		PS 4115.000							
6	4	Socket side-panel 200mm				Rittal		SZ/DK 7967.000							
7	2 VP	Socket-Blenden seitlich 200mm				Rittal		TS 8800.190							
8	2	Circuit diagram pocket				Rittal		80.14.SK							
9	2	Schaltplanfasche				Rittal		80.AB.14							
10	2	distance device 50mm				Rittal		1654.63							
11	1	Distanzstücke 50mm				Rittal		ST11							
12	2	180° hinges, RAL 7035				Rittal		01495							
13	2	180°-Scharniere, RAL 7035				Rittal		01484							
14	2	Cabinet lighting 14W, with Limit sw., 230V AC				EVG	1H1, 1S1, 1H2, 1S2	01573							
15	2	Schränkleuchte 14W mit Türendsch., 230V				EVG		01240							
16	2	Lamp cover				AVT	1X0	32443							
17	1	Leuchtenabdeckung				Wöhner		31918							
18	2	Cable box				Wöhner									
19	1	Kabeldose				Wöhner									
20	1	Control cabinet socket				Wöhner									
21	2	Schranksackdose				Wöhner									
22	2	Cu Bus-bar fastener for Cu 20x5				Wöhner									
23	2	Cu Sammelschienenhalter für Cu 20x5				Wöhner									
24	2	Cu Bus-bar fastener with connectors 16²				Wöhner									
25	2	Cu Sammelschienenh. mit Anschlußkl. 16²				Wöhner									
26	2	End cover				Wöhner									
27	1	Endabdeckung				Wöhner									
28	1	Adapter 6-50mm²				Wöhner									
29	2	Anschlußadapter 6-50mm²				Wöhner									
30	2	Bus-bar Adapter 32A, 63mm				Wöhner									
31	1	Sammelschienenadapter 32A, 63mm				Wöhner	2F1								
32	1	Fuse-base E27, 3pol.				Wöhner									
33		Reitersicherungssockel E27, 3pol.				Wöhner									
Part list															
ASU Kosice						AIR LIQUIDE			K 70101			A9792705-001			
date 30.9.2005						made Danm-Kauhen			+C11			page 1			
revision						date name stand.			replaced:			sh.			
						replaced:									

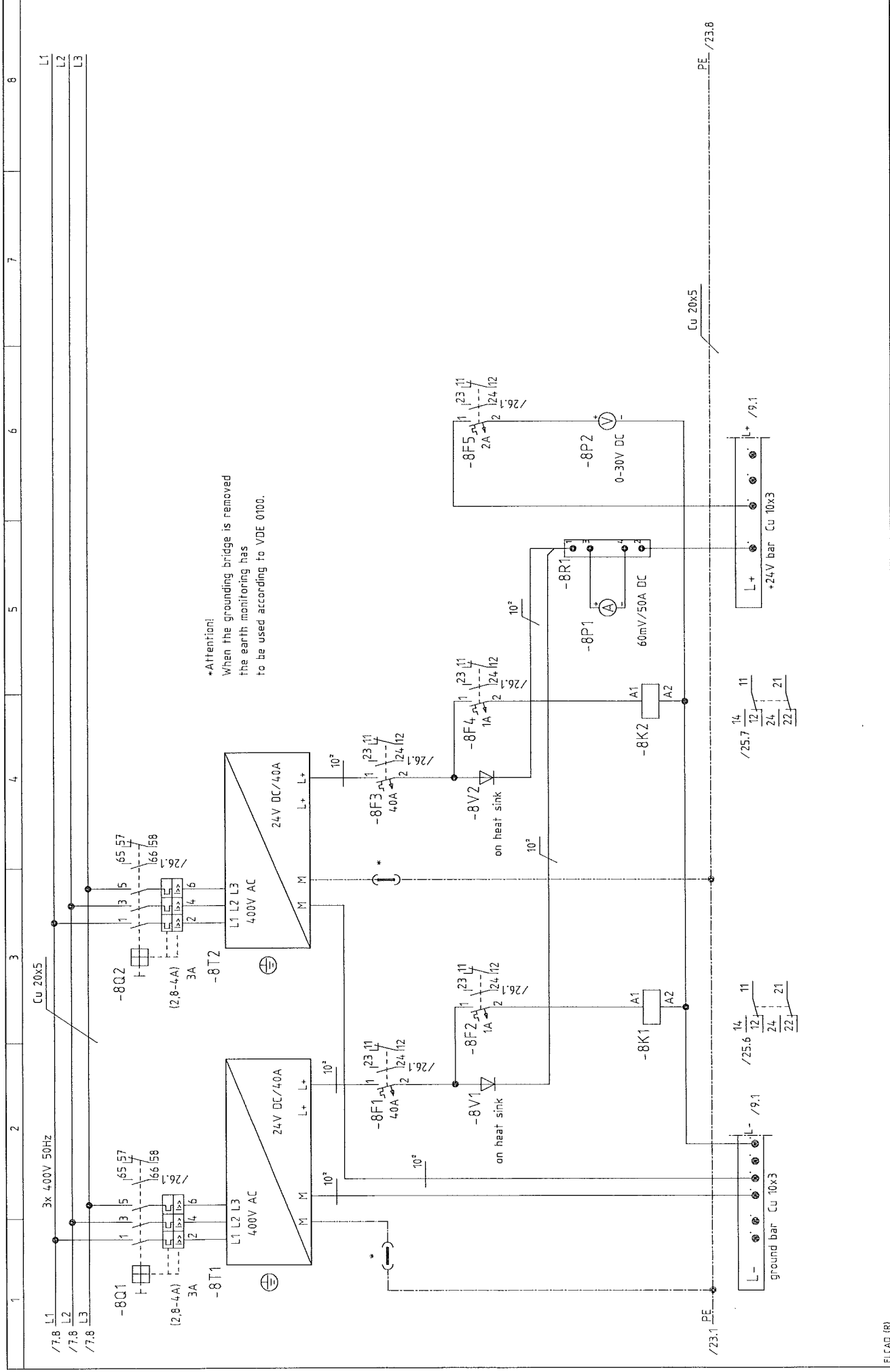
1		2		3		4		5		6		7		8	
Nr. No.	Stck. Qty.	Benennung Description		Hersteller Manufacturer		Kennzeichnung Mark		Type Type		Bemerkung Notes					
18	1	Cover Strip E27, 3pol. Streifenabdeckung E27, 3pol.		Wöhner				31070							
19	1	Main switch, 100A, on Mounting plate Hauptschalter 32A, auf Montageplatte		Kr. + Nai.		201		KG100T303/D-A080VE2							
20	3	Attach current transformer 100/5A Aufsteckstromwandler 100/5A		M-TEC		2T1, 2T2, 2T3		RE-30-IPN-0100/5							
21	3	Ampere meter 72x72, 100/200A for transformer 5A Strommesser 72x72, 100/200A an Wandler 5A		M-TEC		2P1		IS-72-DEA-05/10							
22	1	Switch for voltmeter Spannungsmesserschalter		Kr + Nai		2S1		CH10A007-624 FT2							
23	1	Voltmeter 72x72, 0-500V AC Spannungsmesser 72x72, 0-500V AC		M-TEC		2P2		IS-72-DEV-500							
24	1	Voltmeter 72x72, 0-30V DC Spannungsmesser 72x72, 0-30V DC		M-TEC		8P2		IS-72-DEV-030							
25	1	Shunt, 50A DC/60mV DC Nebenwiderstand 25A DC/60mV DC		M-TEC		8R1		FZ-0050/060-02							
26	1	Ampere meter 72x72, 0-50A for shunt 60mV DC Strommesser 72x72, 0-50A für Nebenwiderstand 60mV DC		M-TEC		8P1		IS-72-DSmV-060							
27	2	Motor-circuit switch 2,8-4A Motorschutzschalter 2,8-4A		Siemens		8Q1, 8Q2		3RV1011-1EA10							
28	2	Auxiliary contact for motor-circuit switch Hilfskontakte für Motorschutzschalter		Siemens				3RV1921-1M							
29	2	Power supply 3x400VAC/24VDC, 40A Stromversorgung 3x400VAC/24VDC, 40A		Siemens		8T1, 8T2		6EP1337-3BA00							
30	2	Power pack 230VAC/24VDC, 5A Netzteil 230VAC/24VDC, 5A		Siemens		7T1, 7T2		6EP1333-3BA00							
31	2	Decouple diodes Entkoppelungsdioden		Semikron		8V1, 8V2		SKKE 81/04							
32	2	Heat sink Kühlkörper		Bürklin				70B950							
33	2	Coupling relay, 2change-over, 24V DC Koppelrelais 2W, 24V DC		Phönix		8K1, 8K2		PLC-RSC-24DC/21-21		B.Nr.: 2967060					
34	3	Automatic fuse 1pol., 40A Si-Automaten 1pol., 20A		Siemens		6F1, 8F1, 8F3		5SX2140-7							
				ASU Kosice		Part list		K 70101		=					
revision		date		name		check		date		made		30.9.2005		Damm-Kauven	
				replaced:		replaced:				A9792705-001		page 2		sh.	
				based:		AIR LIQUIDE		Air Liquide AGS GmbH		+C21					

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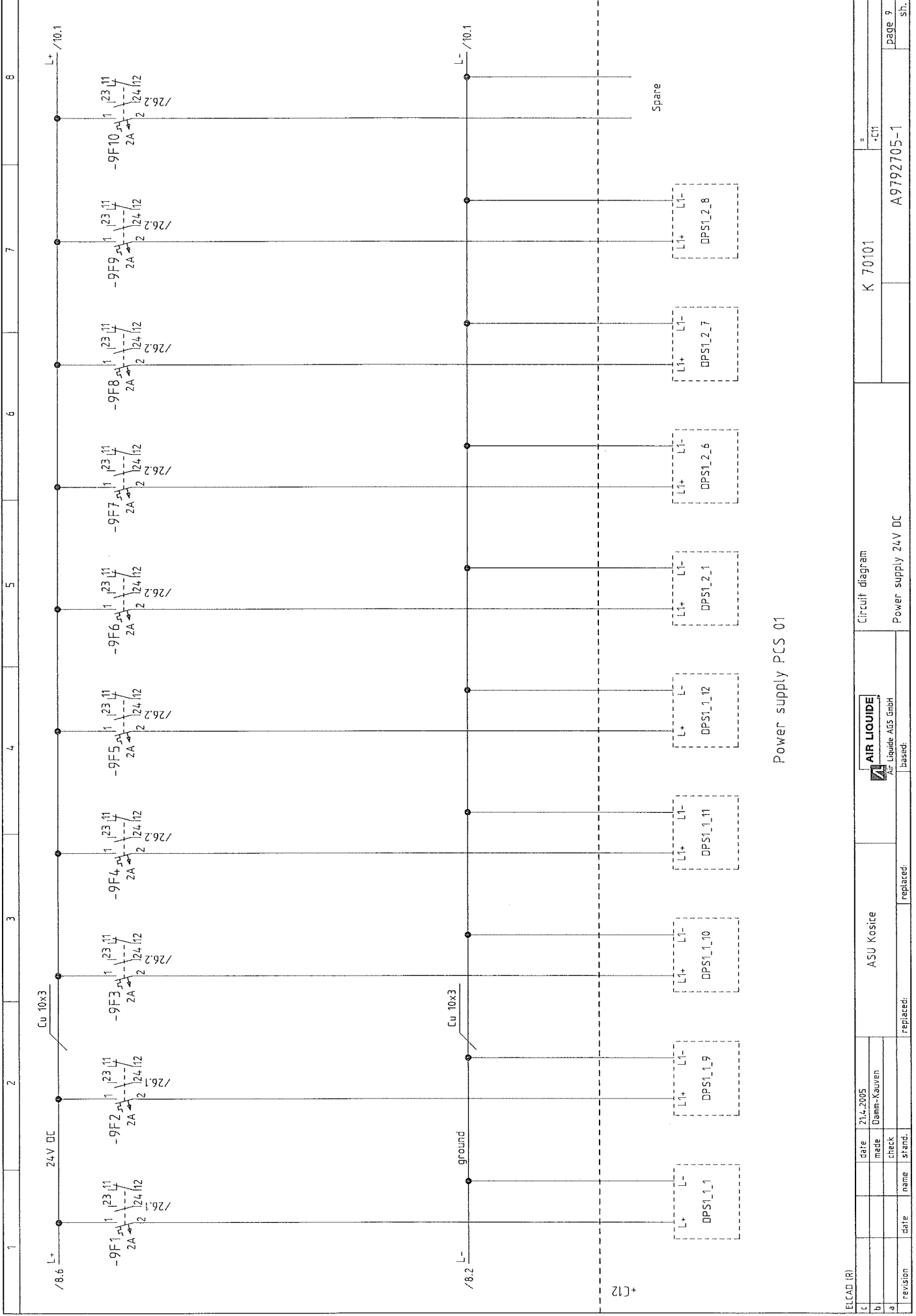






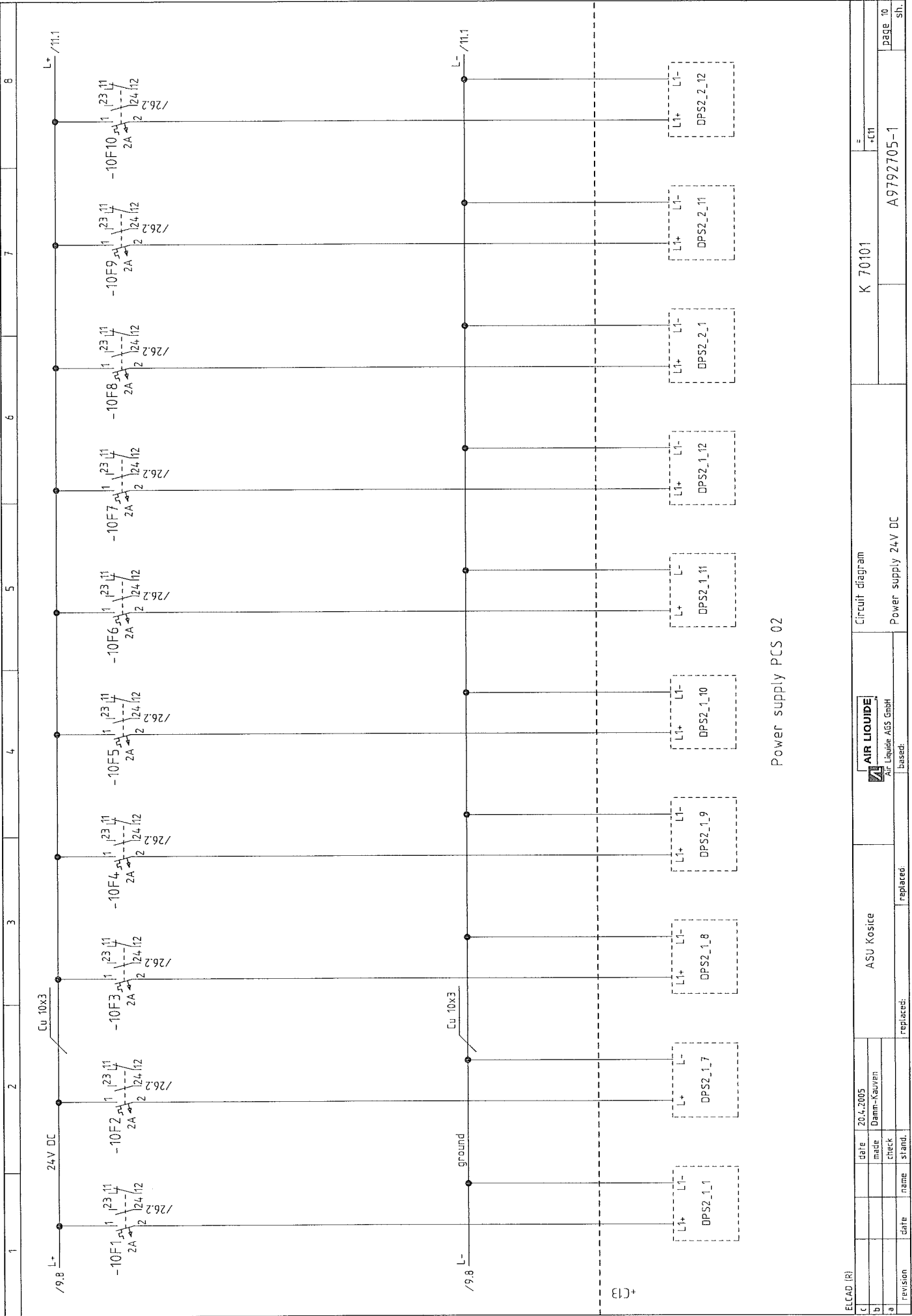


ELCAD (R)		ASU Kosice		K 70101		A9792705-1		page 8	
c	date	30.9.2005	made	Damm-Kauven					
b	check		replaced:						
a	revision	date	name	stand.					sh.



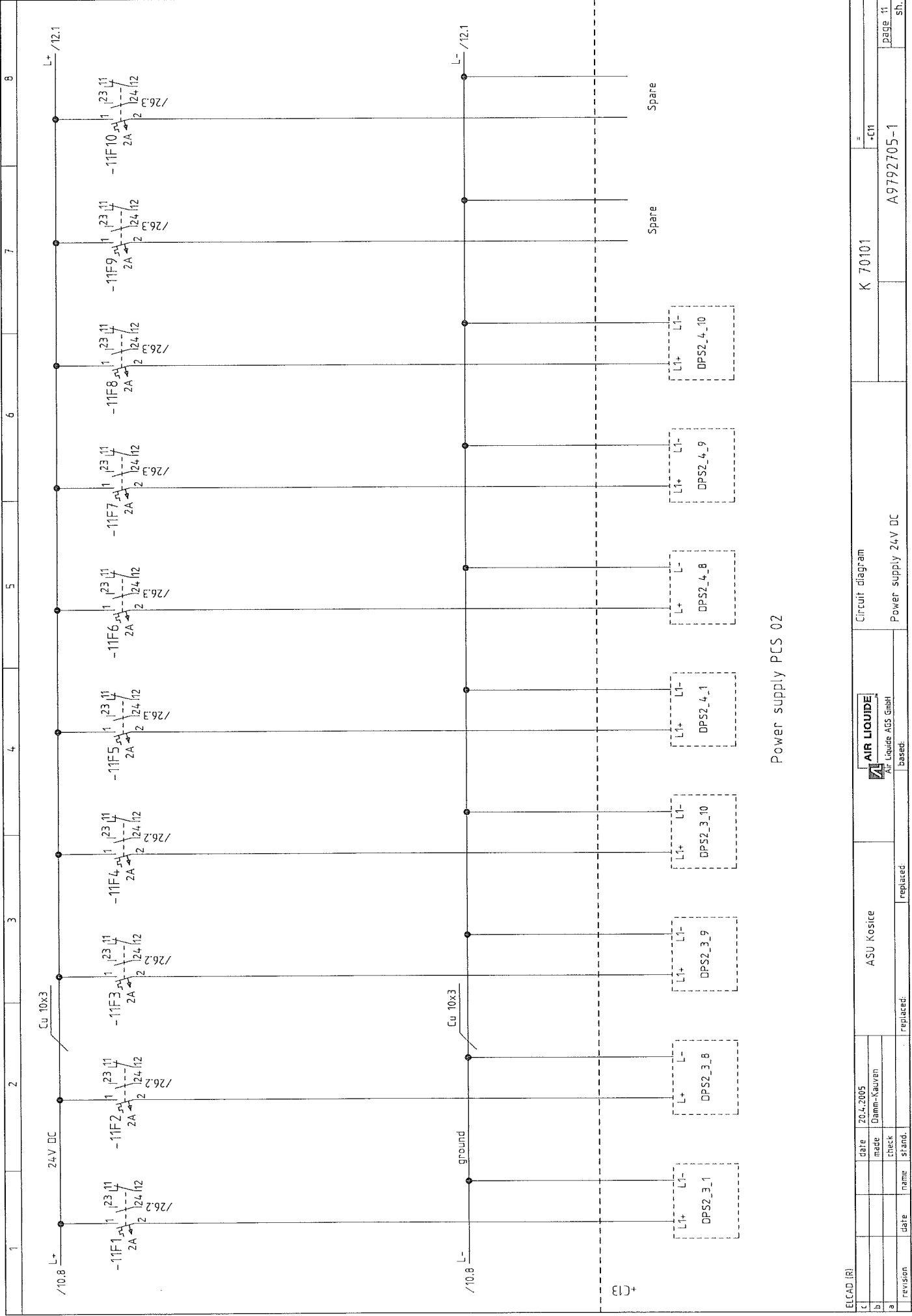
Power supply PCS 01

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c																			
b																			
a																			
revision		date	name	stand.	replaced:	replaced:	replaced:	Power supply 24V DC		A9792705-1									



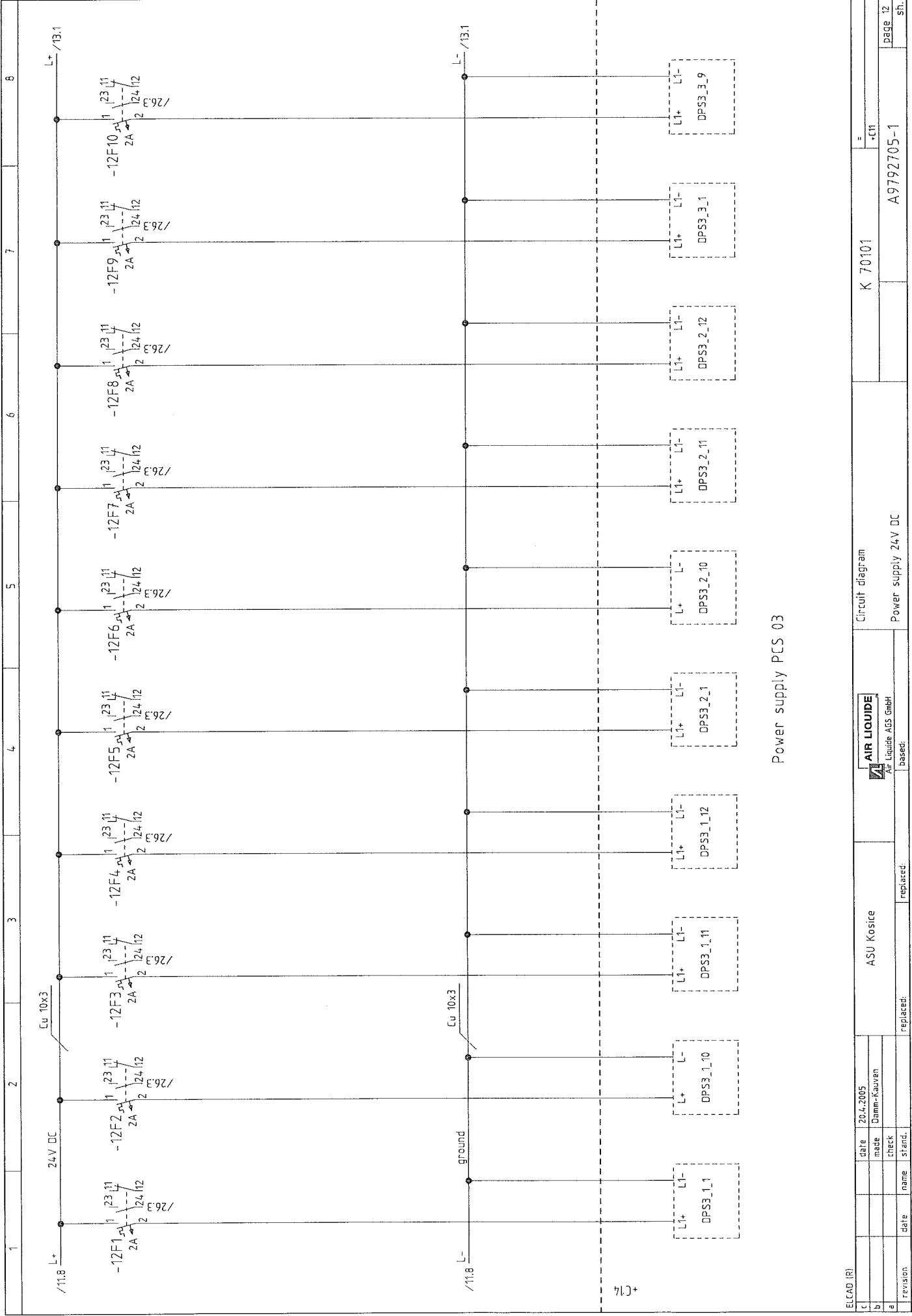
ELCAD (P)

date		20.1.2005	ASU Kosice		Circuit diagram		K 70101		=		+C11	
c	date	20.1.2005	ASU Kosice		Circuit diagram		K 70101		=		+C11	
b	made	Damm-Kauven										
a	check											
revision		date	name	stand.	replaced:	replaced:	Power supply 24V DC		A9792705-1		page 10	
											sh.	

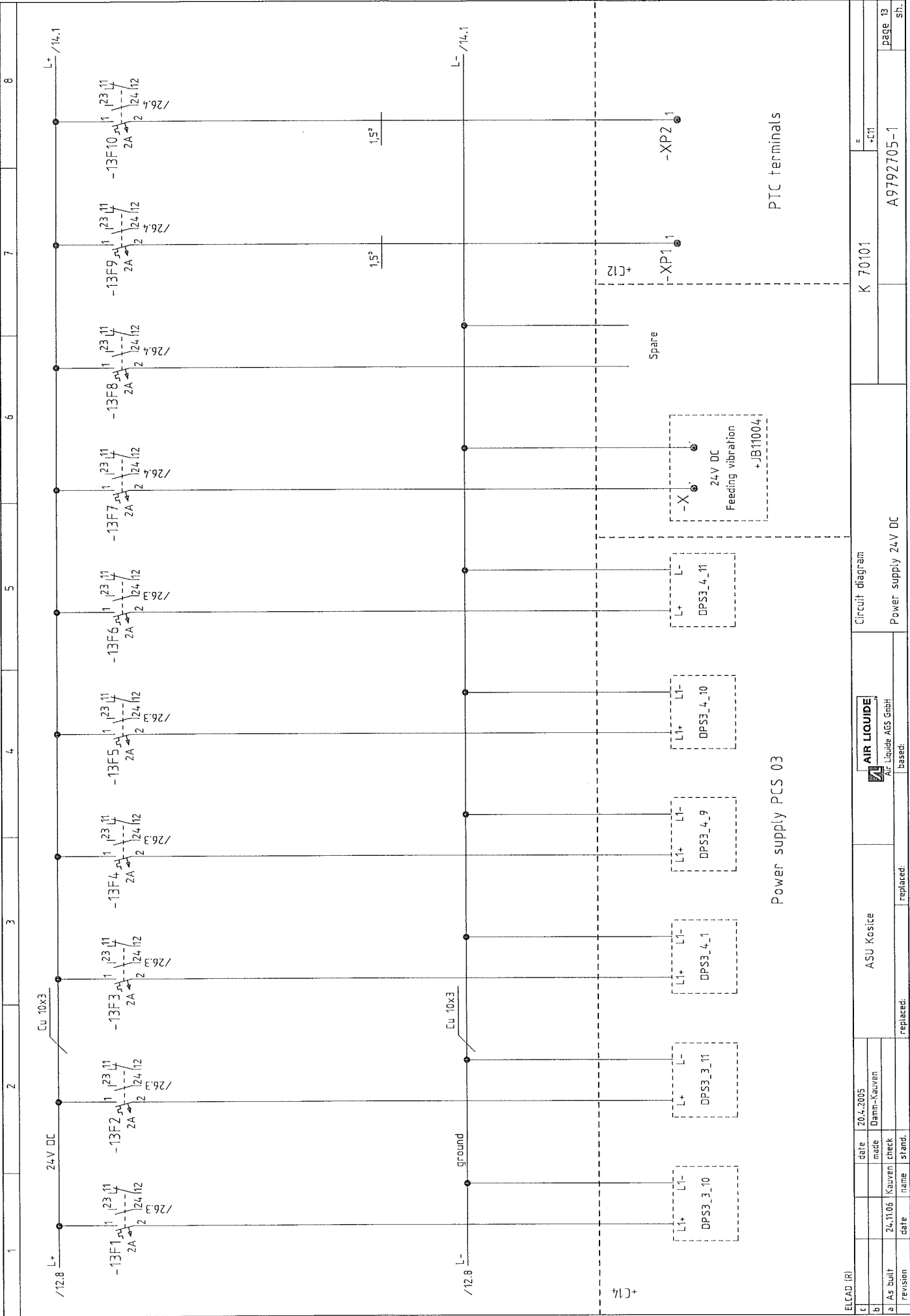


Power supply PCS 02

ELCAD (R)				Circuit diagram				K 70101				= CH			
c	date	20.4.2005	date	20.4.2005	date	20.4.2005	date	20.4.2005	date	20.4.2005	date	20.4.2005	date	20.4.2005	date
b	made	Damm-Kauhen	made	Damm-Kauhen	made	Damm-Kauhen	made	Damm-Kauhen	made	Damm-Kauhen	made	Damm-Kauhen	made	Damm-Kauhen	made
a	check		check		check		check		check		check		check		check
revision	date		revision	date		revision	date		revision	date		revision	date		revision
				ASU Kosice				Power supply 24V DC				A9792705-1			
				replaced:				replaced:				sh.			



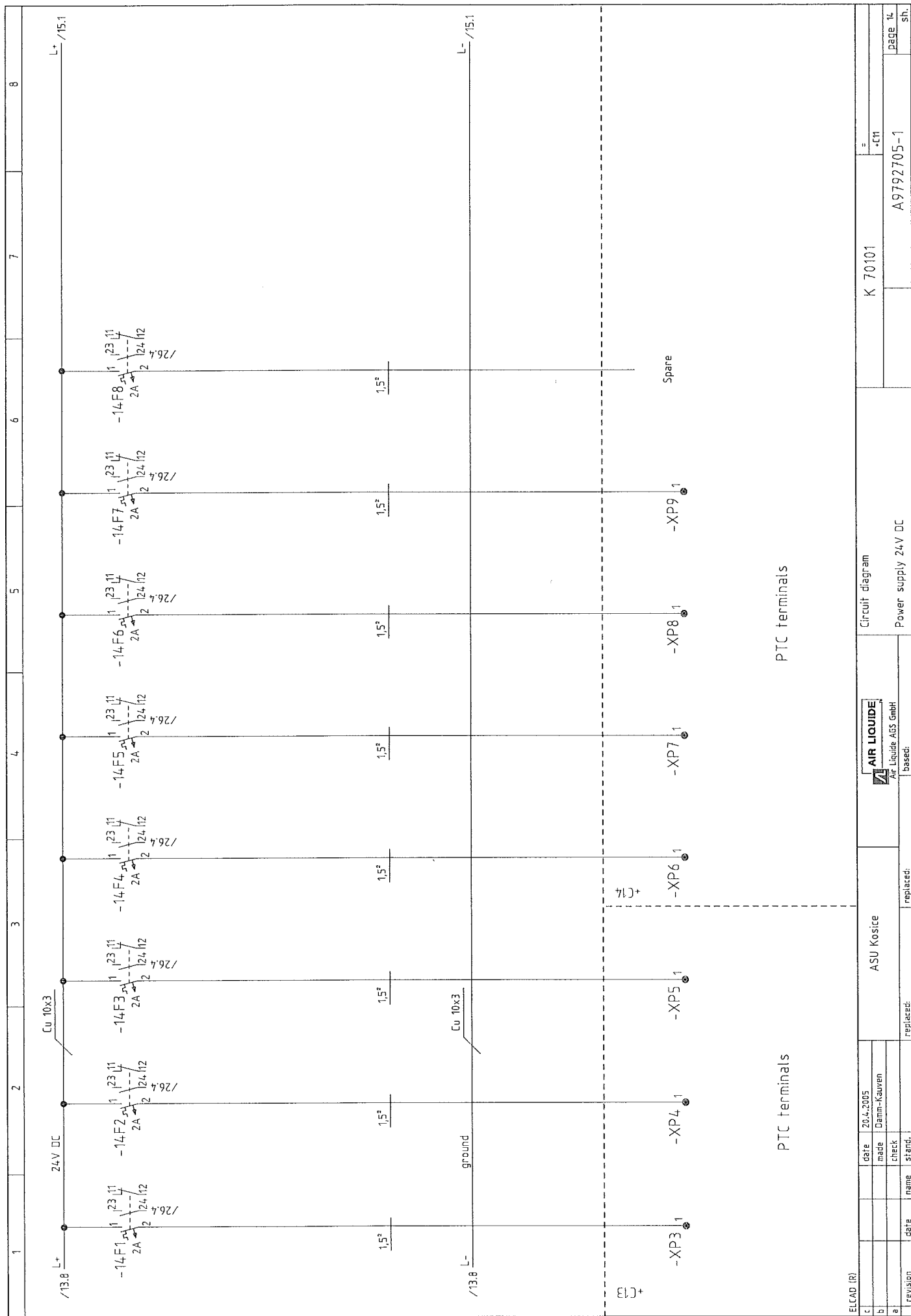
ELCAD (R)		ASU Kosice		Circuit diagram		K 70101		A9792705-1	
c	date	20.4.2005	date	20.4.2005	date	20.4.2005	date	20.4.2005	date
b	made	Damm-Kauven	made	Damm-Kauven	made	Damm-Kauven	made	Damm-Kauven	made
a	check		check		check		check		check
revision	date	name	stand.	replaced:	replaced:	replaced:	replaced:	replaced:	sh.

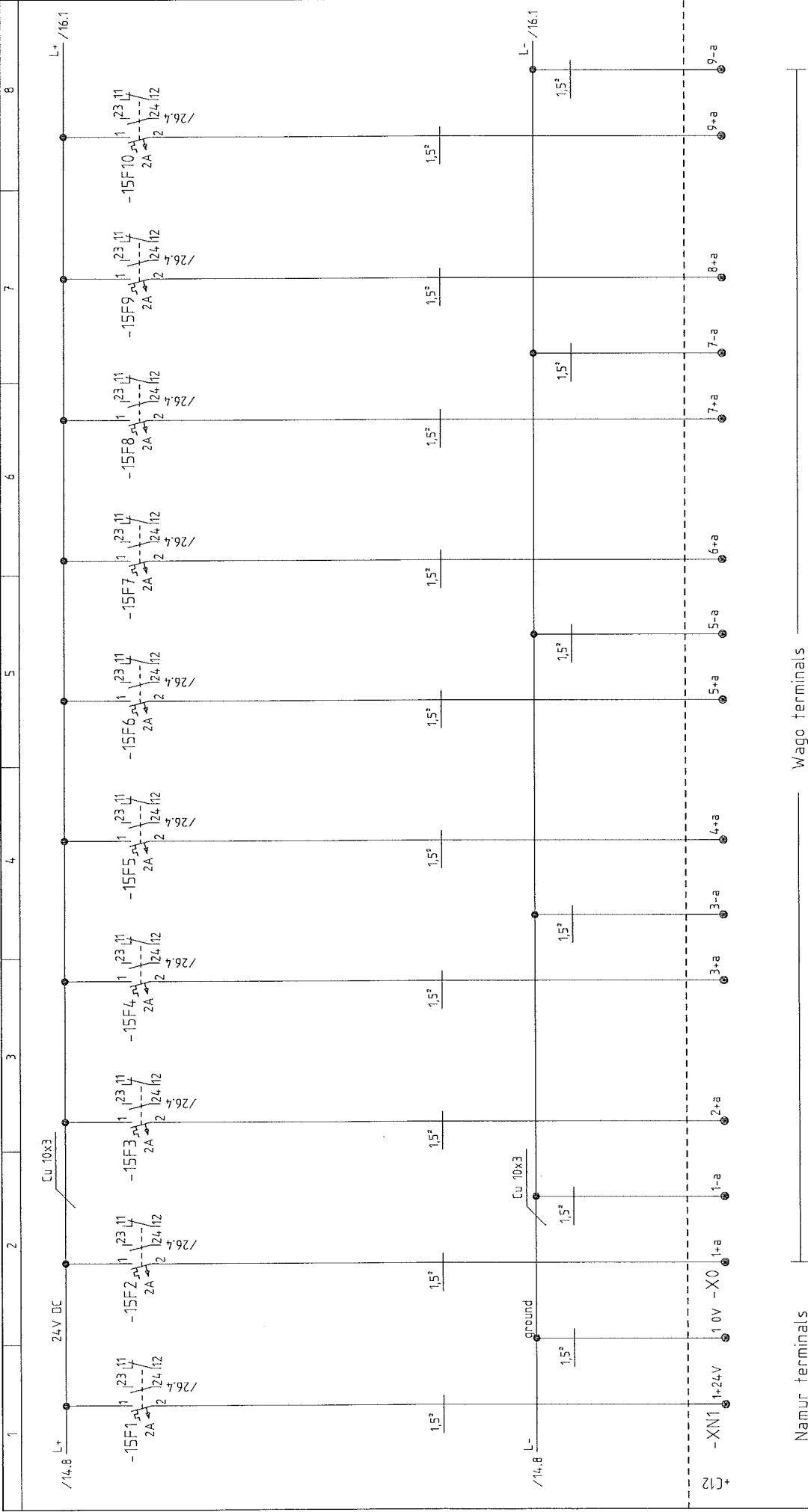


Power supply PCS 03

PTC terminals

ELCAD (R)		Circuit diagram		K 70101		= +C11	
c	date	20.4.2005	ASU Kosice	AIR LIQUIDE		A9792705-1	
b	made	Damm-Kauven		Air Liquide AGS GmbH		page 13	
a	As built	24.11.06		replaced:		sh.	
r	revision	date	name	stand.	replaced:		

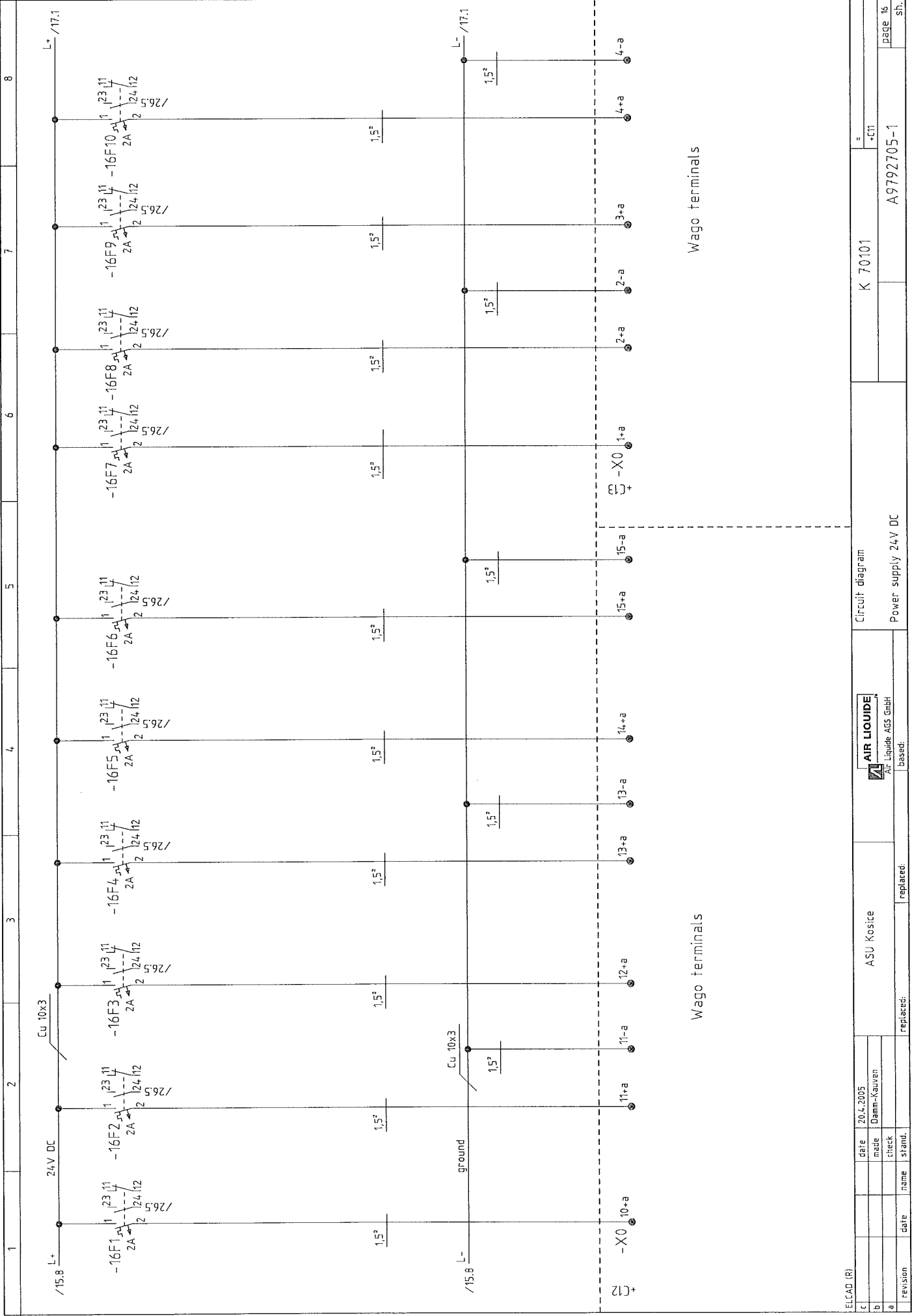




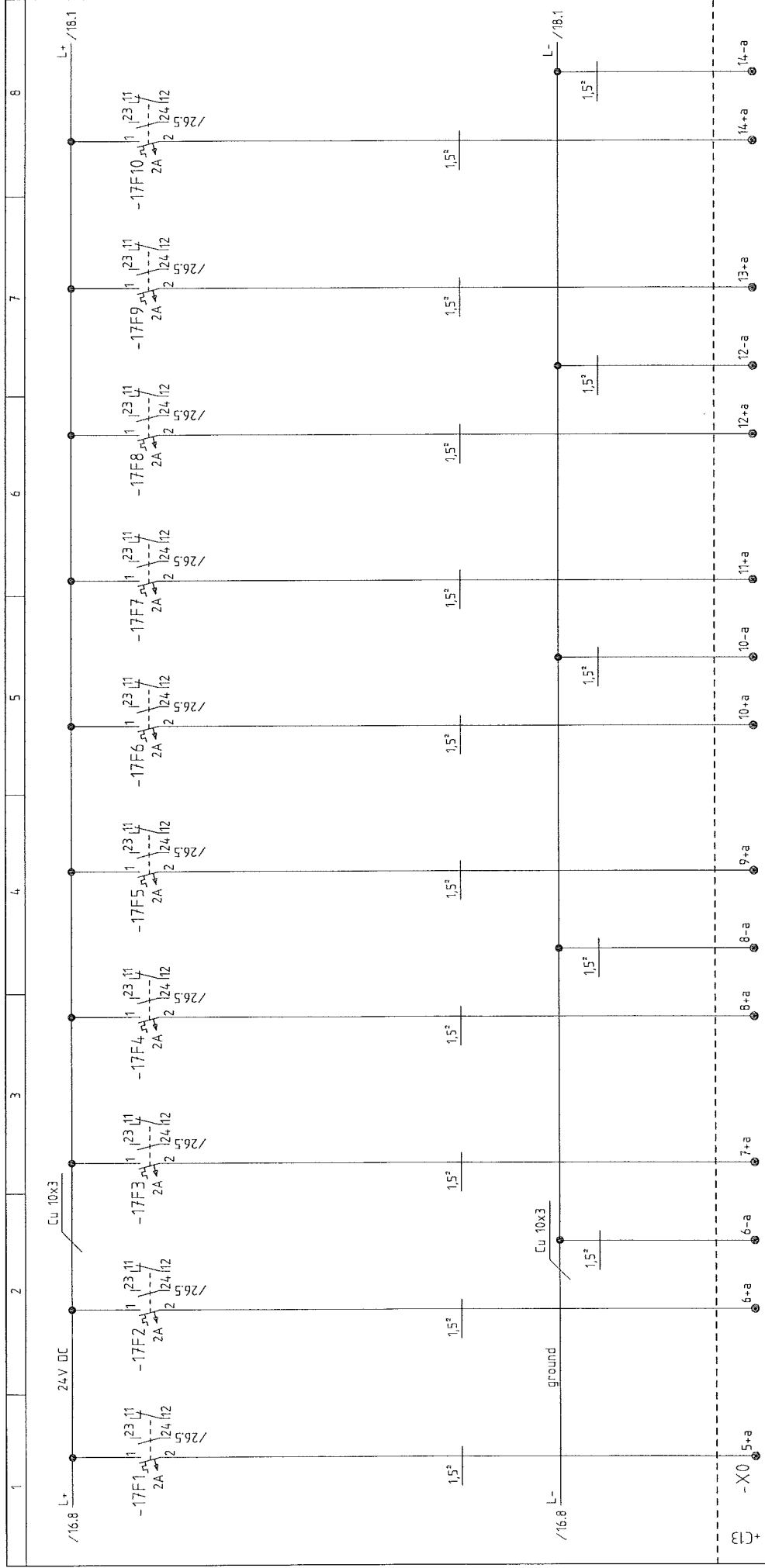
Nanur terminals

Wago terminals

ELCAD (R)		K 70101		Circuit diagram		Power supply 24V DC		A9792705-1		page 15	sh.
c		date	20.4.2005	ASU Kosice	AIR LIQUIDE		Air Liquide AGS GmbH		based:		
b		made	Damm-Kauven								
a		check									
revision		date		replaced:							
		name		replaced:							

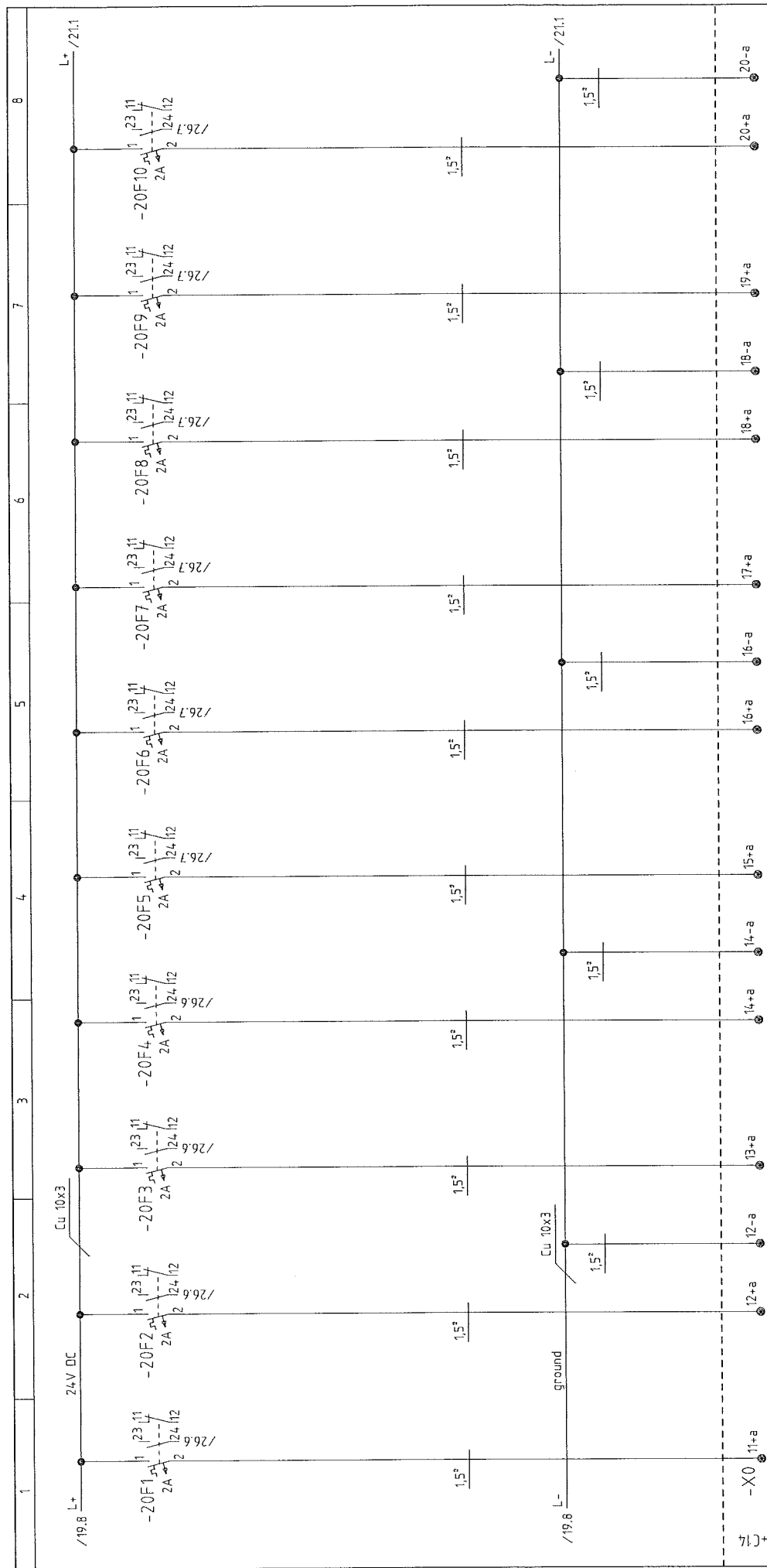


ELCAD (R)		Circuit diagram		K 70101		=	
c	date	20.4.2005	ASU Kosice	Air LIQUIDE		+C11	
b	made	Damn-Kauven		Air Liquide AGS GmbH			
a	check		replaced:				
revision	date	name	stand.				
				Power supply 24V DC		A9792705-1	
						page 16	
						sh.	



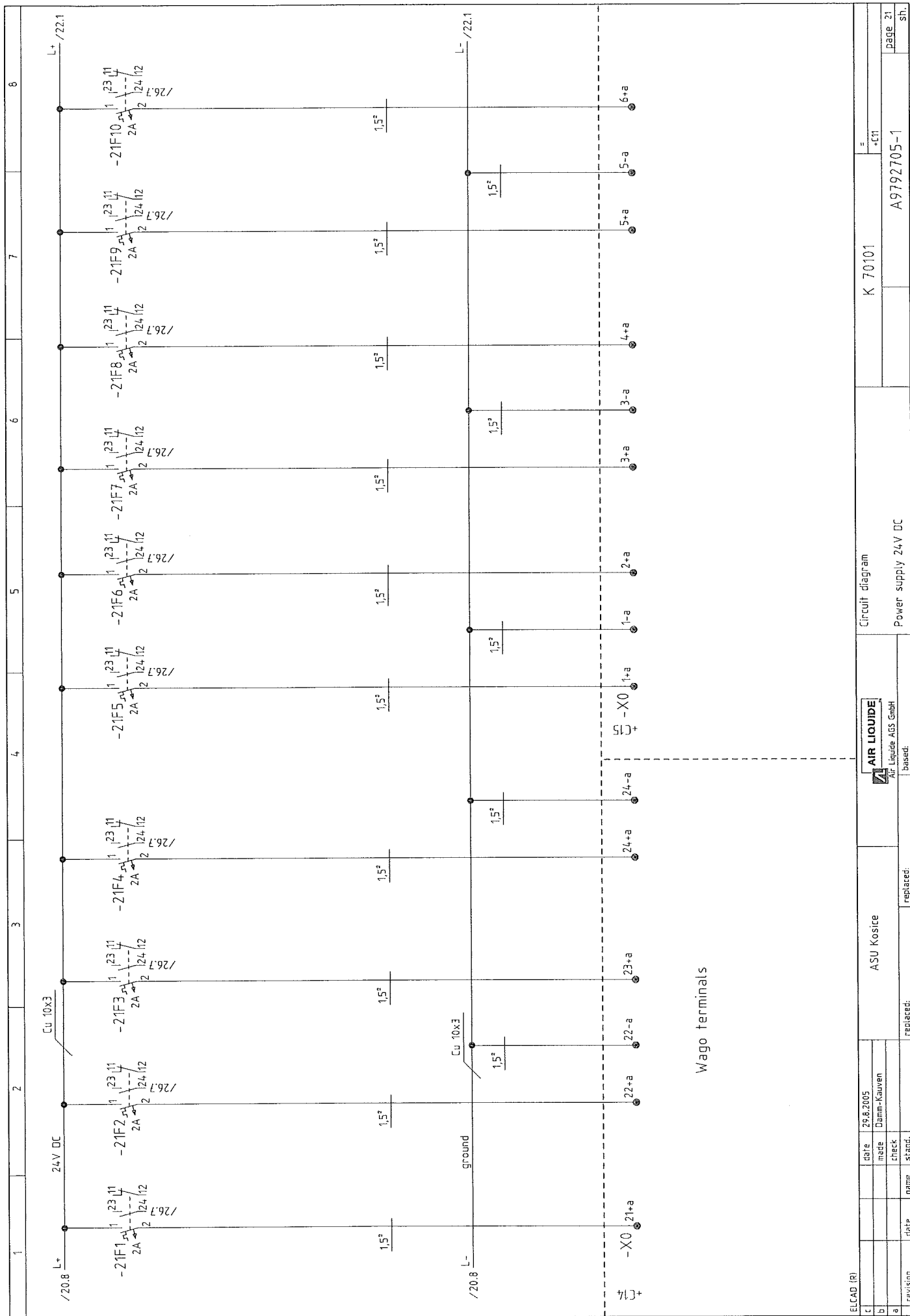
Wago terminals

ELCAD (R)		K 70101		Circuit diagram		Power supply 24V DC		A9792705-1		page 17	sh.
c	date	20.4.2005	ASU Kosice	AIR LIQUIDE		Air Liquide AGS GmbH		based:		replaced:	
b	made	Damm-Kauven		2		Air Liquide AGS GmbH		replaced:		replaced:	
a	check										
revision	date	name	stand.								



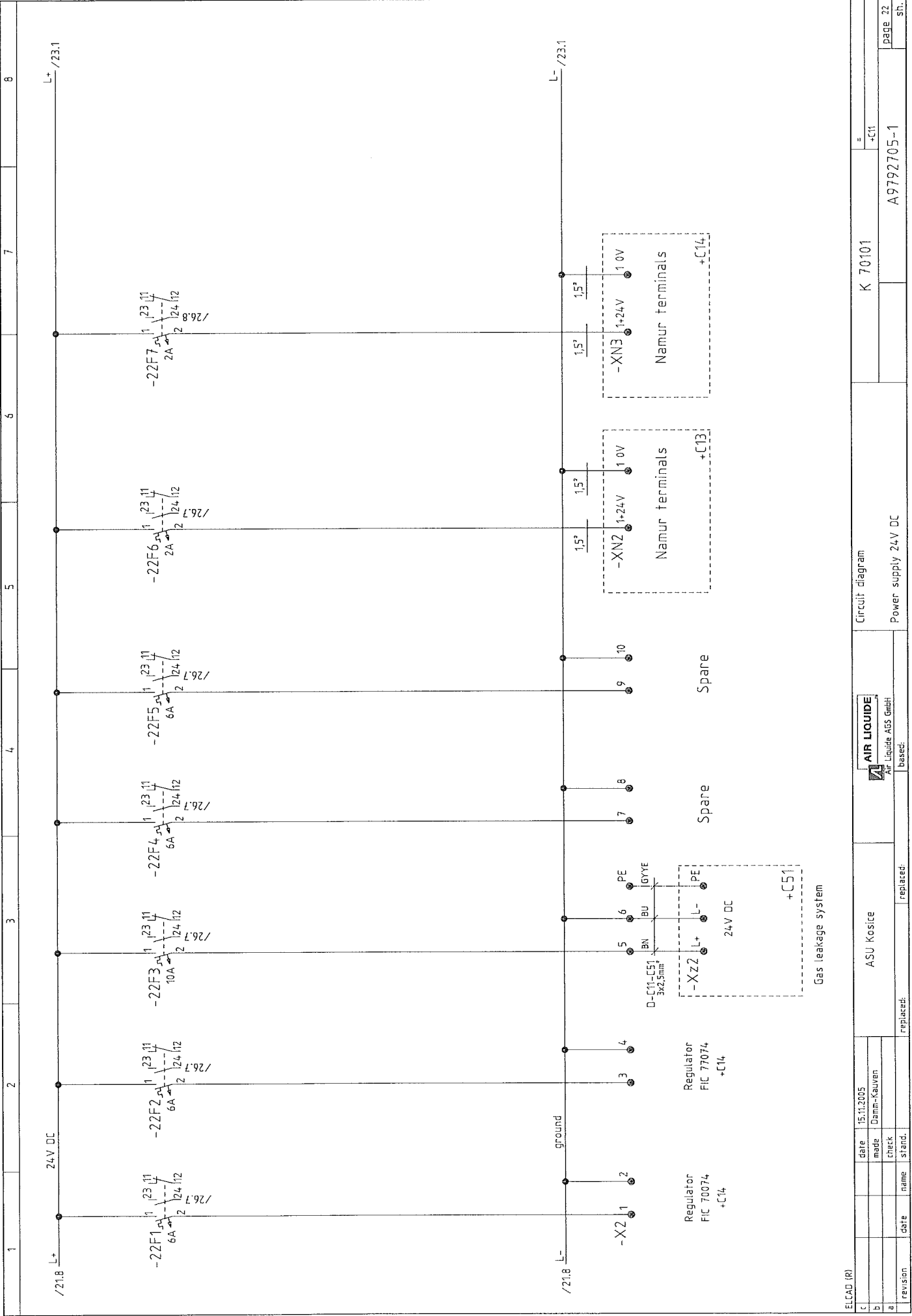
Wago terminals

ELCAD (R)				Circuit diagram		K 70101		=	
c			20.4.2005	ASU Kosice		Air LIQUIDE		+c11	
b			made						
a			check						
revision	date	name	stand.	replaced:	replaced:	Power supply 24V DC		A9792705-1	
								page 20	
								sh.	

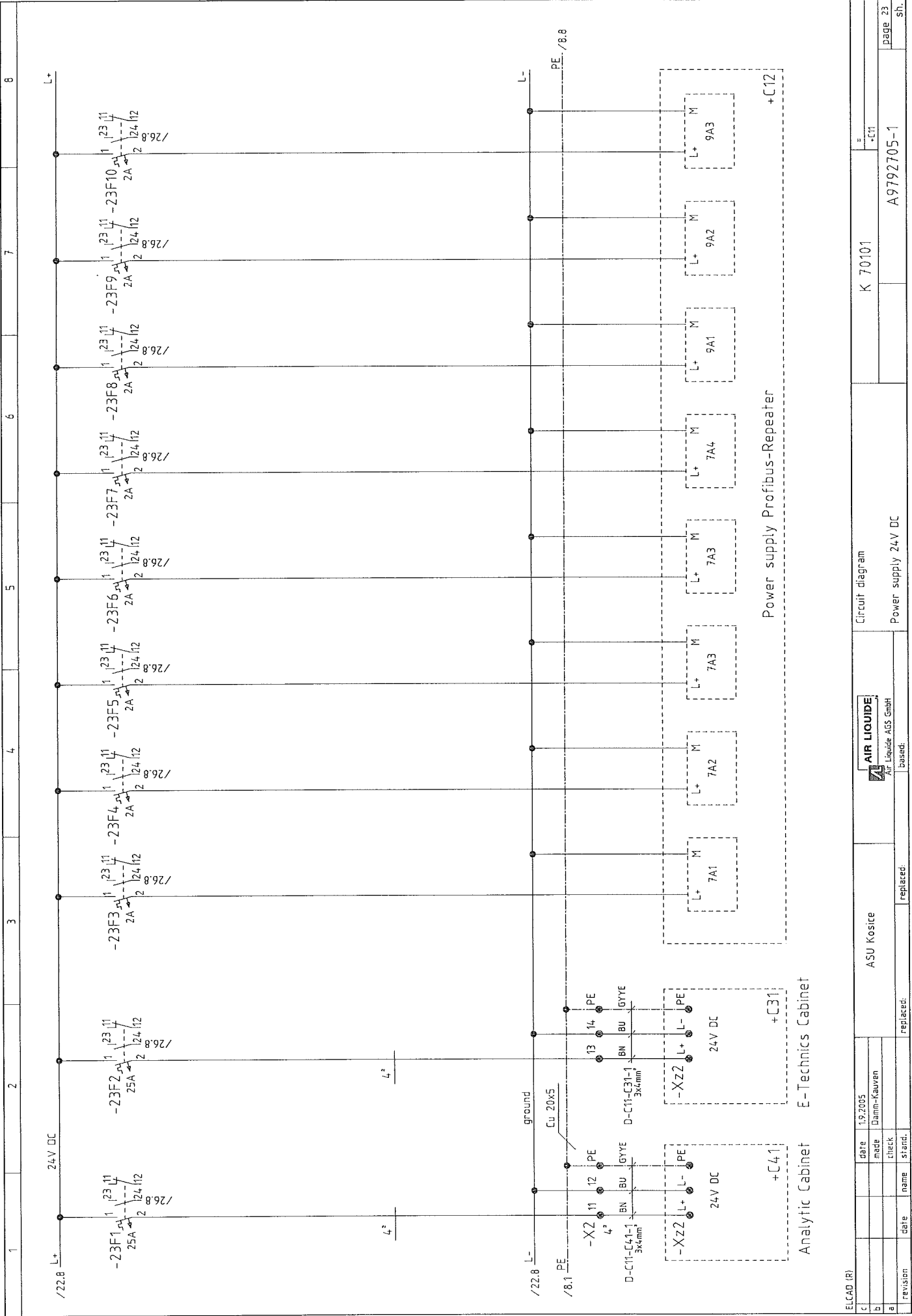


ELCAD (R)

date		29.8.2005	date		29.8.2005	date		29.8.2005	date		29.8.2005
made		Damm-Kauven	made		Damm-Kauven	made		Damm-Kauven	made		Damm-Kauven
check			check			check			check		
stand.			stand.			stand.			stand.		
name			name			name			name		
replaced:			replaced:			replaced:			replaced:		
ASU Kosice			ASU Kosice			ASU Kosice			ASU Kosice		
AIR LIQUIDE			AIR LIQUIDE			AIR LIQUIDE			AIR LIQUIDE		
Air Liquide AGS GmbH			Air Liquide AGS GmbH			Air Liquide AGS GmbH			Air Liquide AGS GmbH		
based:			based:			based:			based:		
Circuit diagram			Circuit diagram			Circuit diagram			Circuit diagram		
Power supply 24V DC			Power supply 24V DC			Power supply 24V DC			Power supply 24V DC		
K 70101			K 70101			K 70101			K 70101		
A9792705-1			A9792705-1			A9792705-1			A9792705-1		
page 21			page 21			page 21			page 21		
sh.			sh.			sh.			sh.		

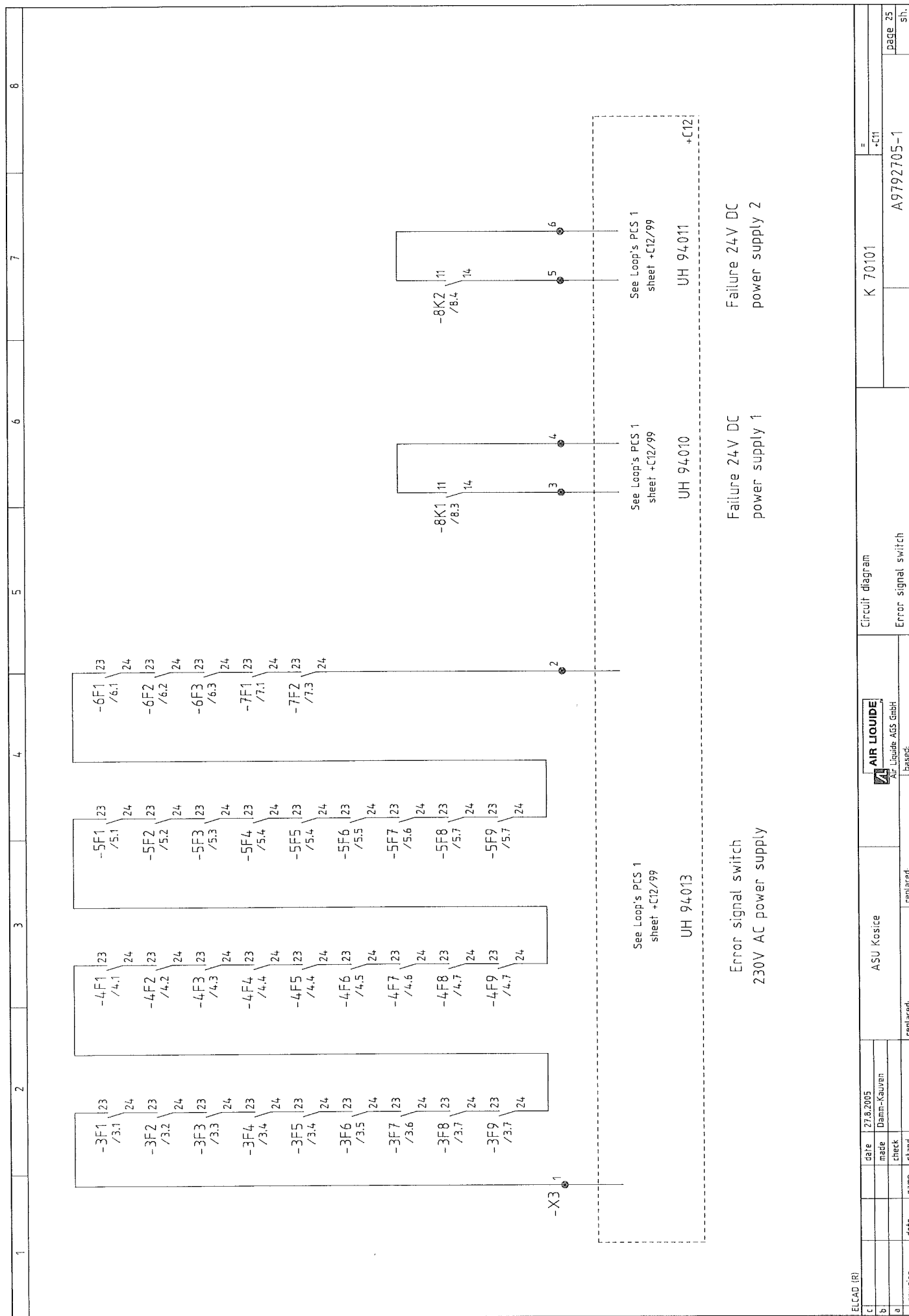


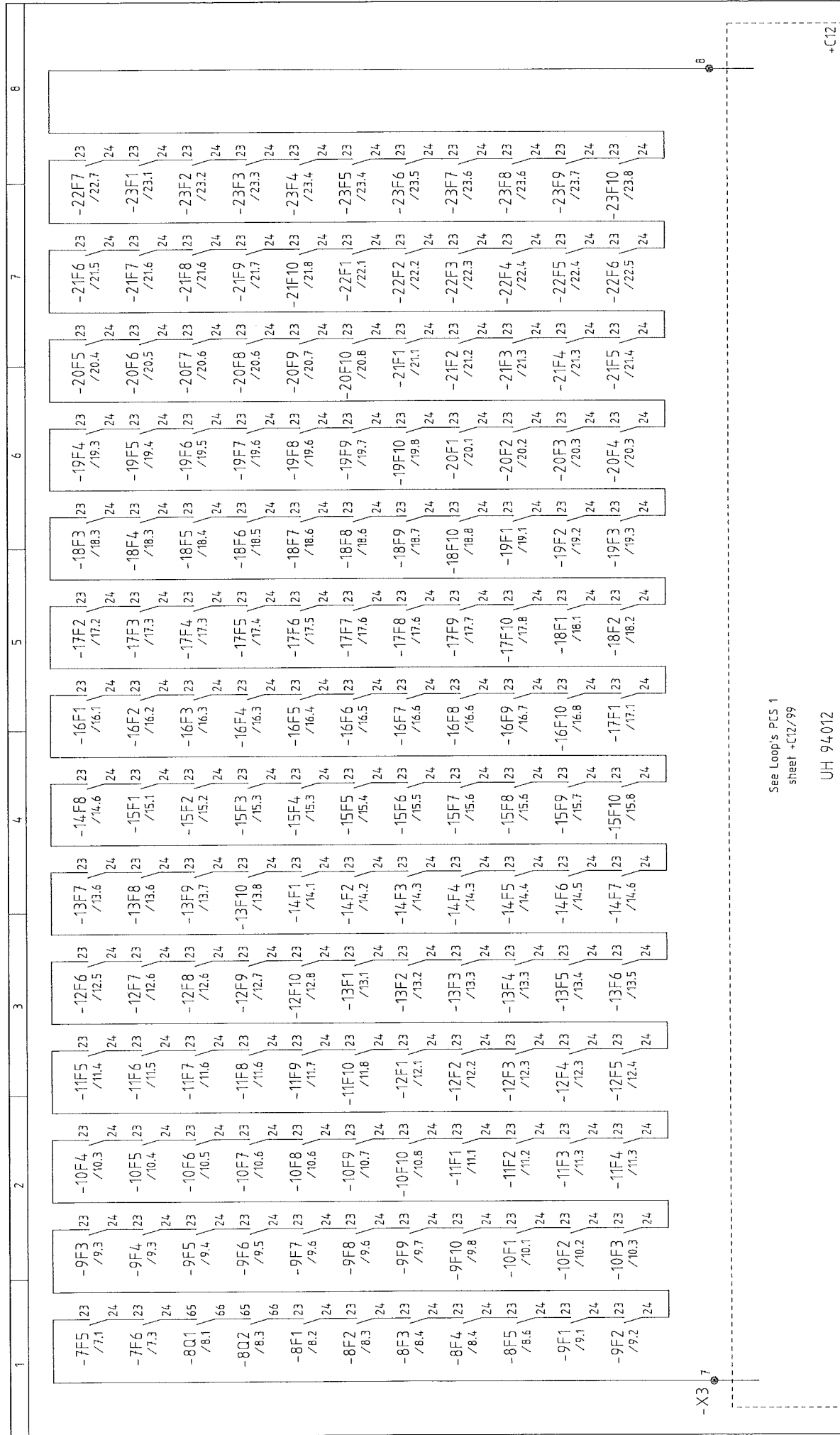
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c	date	15.11.2005	ASU Kosice	AIR LIQUIDE		A9792705-1	
b	made	Damn-Kauven		Air Liquide AGS GmbH		page 22	
a	check					sh.	
revision	date	name	stand.	replaced:	replaced:		




ELCAD (R)		ASU Kosire		Circuit diagram		K 70101		A9792705-1		page 23		sh.	
c	date	13.2005	made	Damm-Kaunen	replaced:								
b	date		check		replaced:								
a	revision	date	name	stand.	replaced:								

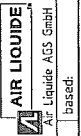
[illegible]





Error signal switch
24V DC power supply

ELCAD (R)										ASU Kosice		<div>AIR LIQUIDE Air Liquide AGS GmbH</div>		Circuit diagram		K 70101		=		+C11		page 26		sh.	
c																									
b																									
a																									
revision	date	name	stand.																						



AIR LIQUIDE
Air Liquide AGS GmbH
based:

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ELCAD (R)		Date		30.9.2005		ASU Kosice		AIR LIQUIDE		Terminal connecting plan		K 70101		=		A9792705-1		page 34		sh.	
revision		date		name		brand		checked		replaced:		replaced:		-X3							
addressing		Zielzeichen		extern		Anschlußbezeichnung		terminal marking		Gerätebezeichnung		device marking		Kabelbezeichnung / wiring marking							
addressing		Zielzeichen		extern		Anschlußbezeichnung		terminal marking		Gerätebezeichnung		device marking									
Anschlußleiste		terminal strip				Anschlußbezeichnung		terminal marking		Gerätebezeichnung		device marking									
Anschlußbezeichnung		terminal marking				Anschlußbezeichnung		terminal marking		Gerätebezeichnung		device marking									
Zielzeichen		intern				Anschlußbezeichnung		terminal marking		Gerätebezeichnung		device marking									
Gerätekommentar		device comments				Gerätekommentar		device comments		Gerätekommentar		device comments									
total 12 Terminals		Strip: -X3				total 12 Terminals		Strip: -X3													
-3F1		/25,1		23		-XP1		15		1											
-3F2		/25,5		24		-XP1		11C8		2											
-8K1		/25,6		14		-XP1		12		3											
-8K1		/25,6		11		DPS1_1_11B8		4		4											
-8K2		/25,7		14		-XP1		13		5											
-8K2		/25,7		11		DPS1_1_11C7		6		6											
-7F5		/26,1		23		-XP1		14		7											
-23F10		/26,8		24		DPS1_1_11B7		8		8											
								9													
								10													
								11													
								12													

[illegible]