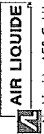


1	2	3	4	5	6	7	8
<div> <div> <div>ELCAD (R)</div> <div> <div> <div>c</div> <div>b</div> <div>a</div> </div> <div> <div>date</div> <div>made</div> <div>check</div> </div> <div> <div>name</div> <div>date</div> <div>revision</div> </div> </div> <div> <div>21.07.2005</div> <div>Meis</div> <div></div> </div> <div> <div>ASU Kosice</div> <div></div> <div></div> </div> <div> <div> <div> <div>AIR LIQUIDE</div> <div> <div></div> <div>Air Liquide AGS GmbH</div> </div> </div> <div>based:</div> </div> </div> <div> <div>Circuit diagram</div> <div>Spare</div> </div> <div> <div>K.70101</div> <div> <div>=</div> <div>+C16</div> </div> </div> <div> <div>D9792705-1</div> <div> <div>page 42</div> <div>sh.</div> </div> </div> </div> </div>							

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1	2	3	4	5	6	7	8																																													
<div>ELCAD (R)</div> <table border="1"> <tr> <td>c</td> <td>date</td> <td>21.07.2005</td> <td colspan="2">ASU Kosite</td> <td colspan="2">Circuit diagram</td> <td>K.70101</td> <td>=</td> </tr> <tr> <td>b</td> <td>made</td> <td>Heis</td> <td colspan="2"></td> <td colspan="2"></td> <td></td> <td>+CIV</td> </tr> <tr> <td>a</td> <td>revision</td> <td></td> <td>name</td> <td>replaced:</td> <td>replaced:</td> <td>replaced:</td> <td></td> <td></td> </tr> <tr> <td></td> <td>date</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <div> <div>  AIR LIQUIDE <small>Air Liquide AGS GmbH</small> </div> <div> based: Spare </div> </div> <div>D9792705-1</div> <div> page 44 sh. </div>								c	date	21.07.2005	ASU Kosite		Circuit diagram		K.70101	=	b	made	Heis						+CIV	a	revision		name	replaced:	replaced:	replaced:				date																
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The diagram illustrates the electrical connection between a control cabinet and a field. The control cabinet section includes a power supply unit (-DPS3_1_6), a temperature sensor (T 11007_I), a pressure sensor (AI 830), and a relay (E-C14). The field section includes a temperature sensor (TE 11007) and a pressure sensor (PT100 DIN). The wiring for the temperature sensor (3e, 3f, 3g, 3h) and the pressure sensor (1, 2, 3, S) is shown, including the connection to the relay (E-C14) and the power supply.

The diagram illustrates the electrical control circuit for the Air charge 1st stage MAC. It is divided into two main sections: the Control cabinet and the Field.

Control cabinet:

- Power Supply:** -DPS3_1_3 provides +24V and 0V lines.
- Pressure Switch:** P 11007 (Air charge 1st stage MAC) is connected to the 0V line.
- Pressure Sensor:** PT 11007 is connected to the 0V line.
- Pressure Transmitter:** E-C14-JB11002-1 (12x2x0.5mm) is connected to the 0V line.
- Pressure Transmitter:** E-C14-JB11002-1 (12x2x0.5mm) is connected to the 0V line.
- Pressure Transmitter:** E-C14-JB11002-1 (12x2x0.5mm) is connected to the 0V line.

Field:

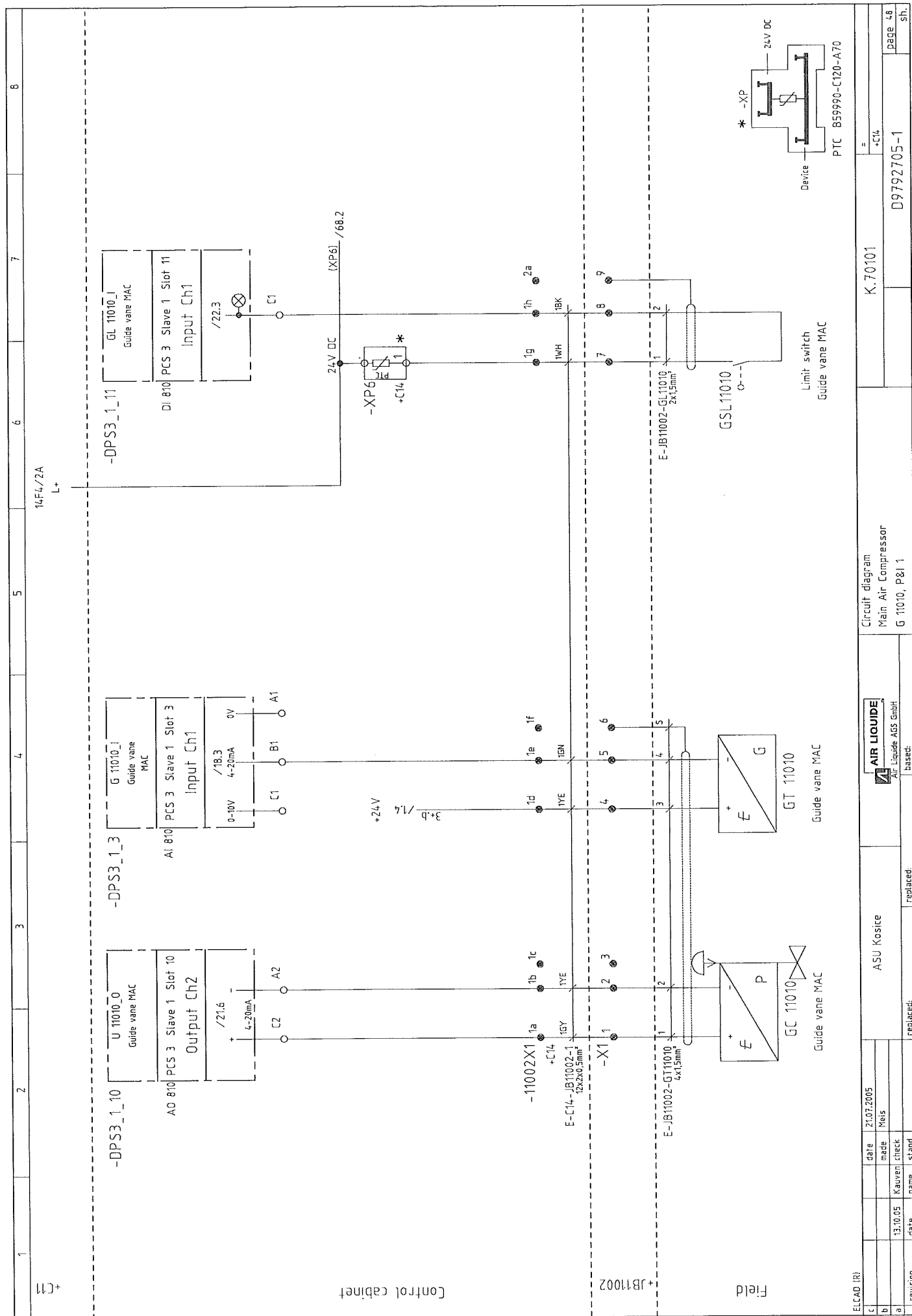
- Pressure Transmitter:** E-C14-JB11002-1 (12x2x0.5mm) is connected to the 0V line.
- Pressure Transmitter:** E-C14-JB11002-1 (12x2x0.5mm) is connected to the 0V line.
- Pressure Transmitter:** E-C14-JB11002-1 (12x2x0.5mm) is connected to the 0V line.

Legend:

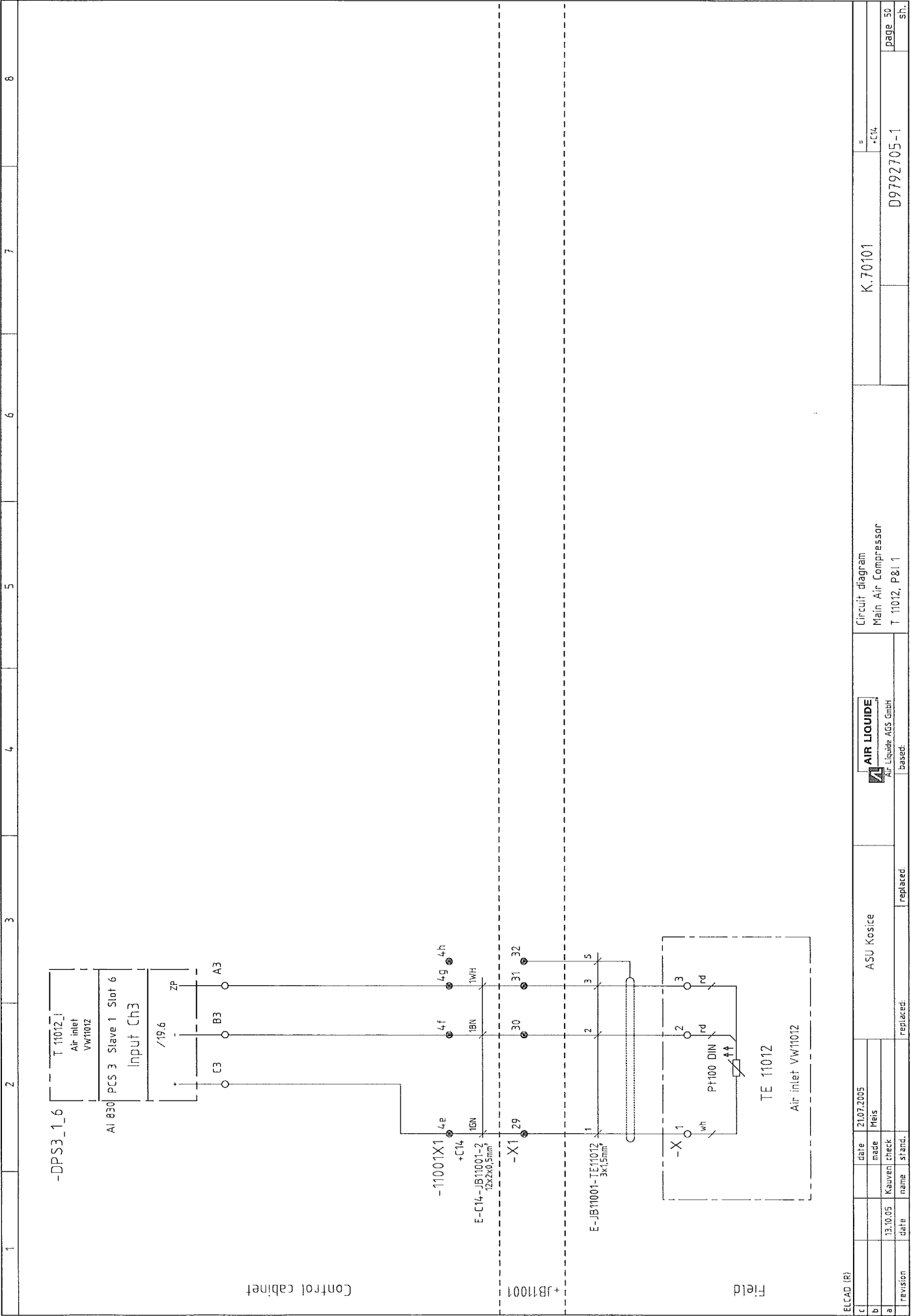
- Control cabinet:** -DPS3_1_3, P 11007, PT 11007, E-C14-JB11002-1
- Field:** E-C14-JB11002-1, P 11007

Notes:

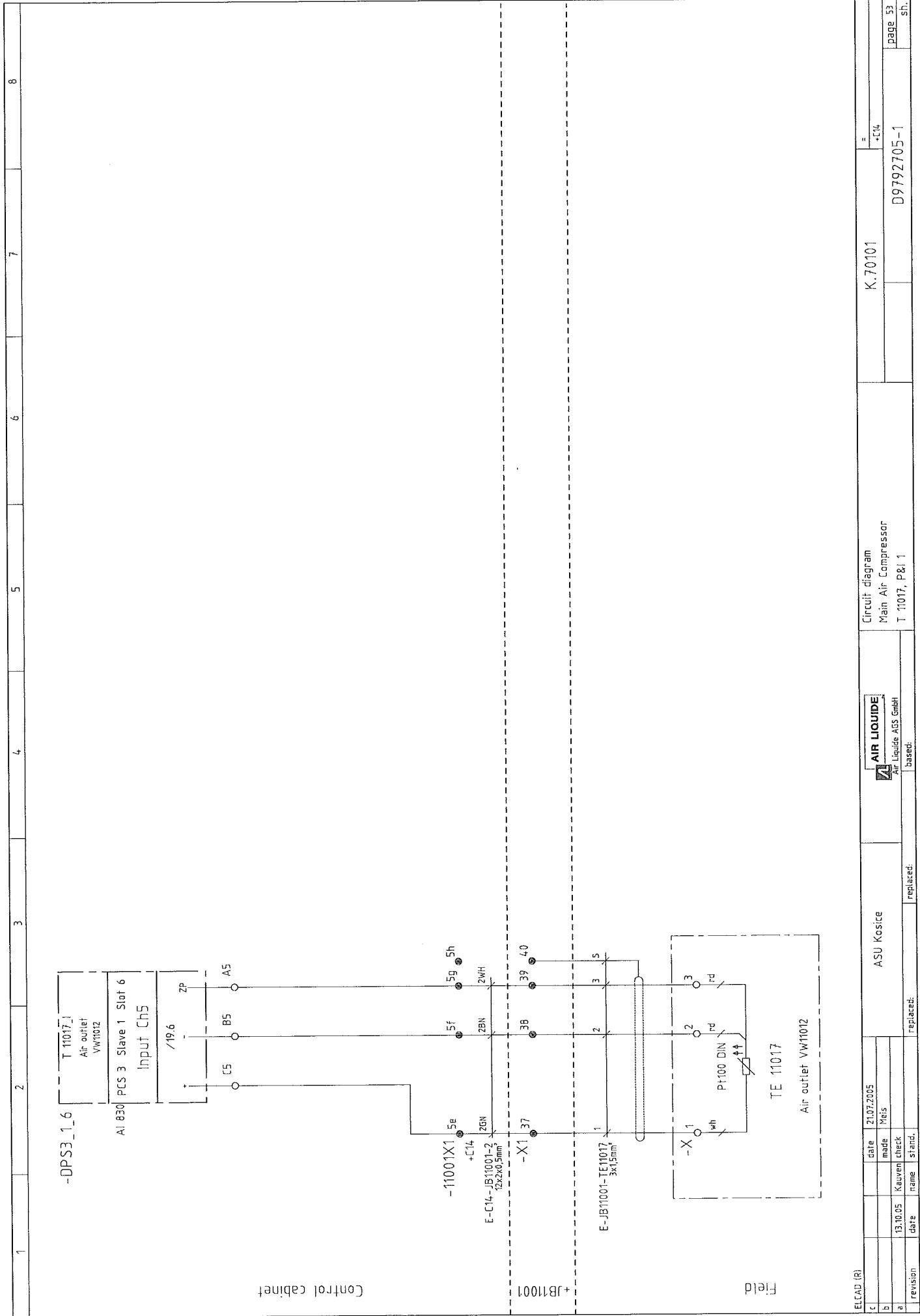
- The diagram is based on the Main Air Compressor P 11007, P&I 1.
- The diagram is based on the Main Air Compressor P 11007, P&I 1.
- The diagram is based on the Main Air Compressor P 11007, P&I 1.



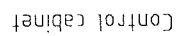
ELCAD (R)		date	21.07.2005	ASU Kosice	AIR LIQUIDE		Circuit diagram		K.70101		=	
c	made	13.10.05	Kauven check	replaced:	Air Liquide AGS GmbH		Main Air Compressor		D9792705-1		+C14	
b	name	13.10.05	Kauven check	replaced:	Air Liquide AGS GmbH		T 11011, P&I 1		D9792705-1		+C14	
a	stand.	13.10.05	Kauven check	replaced:	Air Liquide AGS GmbH		T 11011, P&I 1		D9792705-1		+C14	
revisio		date	name	stand.	based:		page 49		sh.		page 49	



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ELCAD (R)		ASU Kosice		Circuit diagram Main Air Compressor T 11017, P&I 1		K.70101	= +C14	page 53 sh.
c	date	21.07.2005		AIR LIQUIDE Air Liquide AGS GmbH based:				
b	made	M&S						
a	13.10.05	Kauwen	check					
revision	date	name	stand.	replaced:	replaced:			



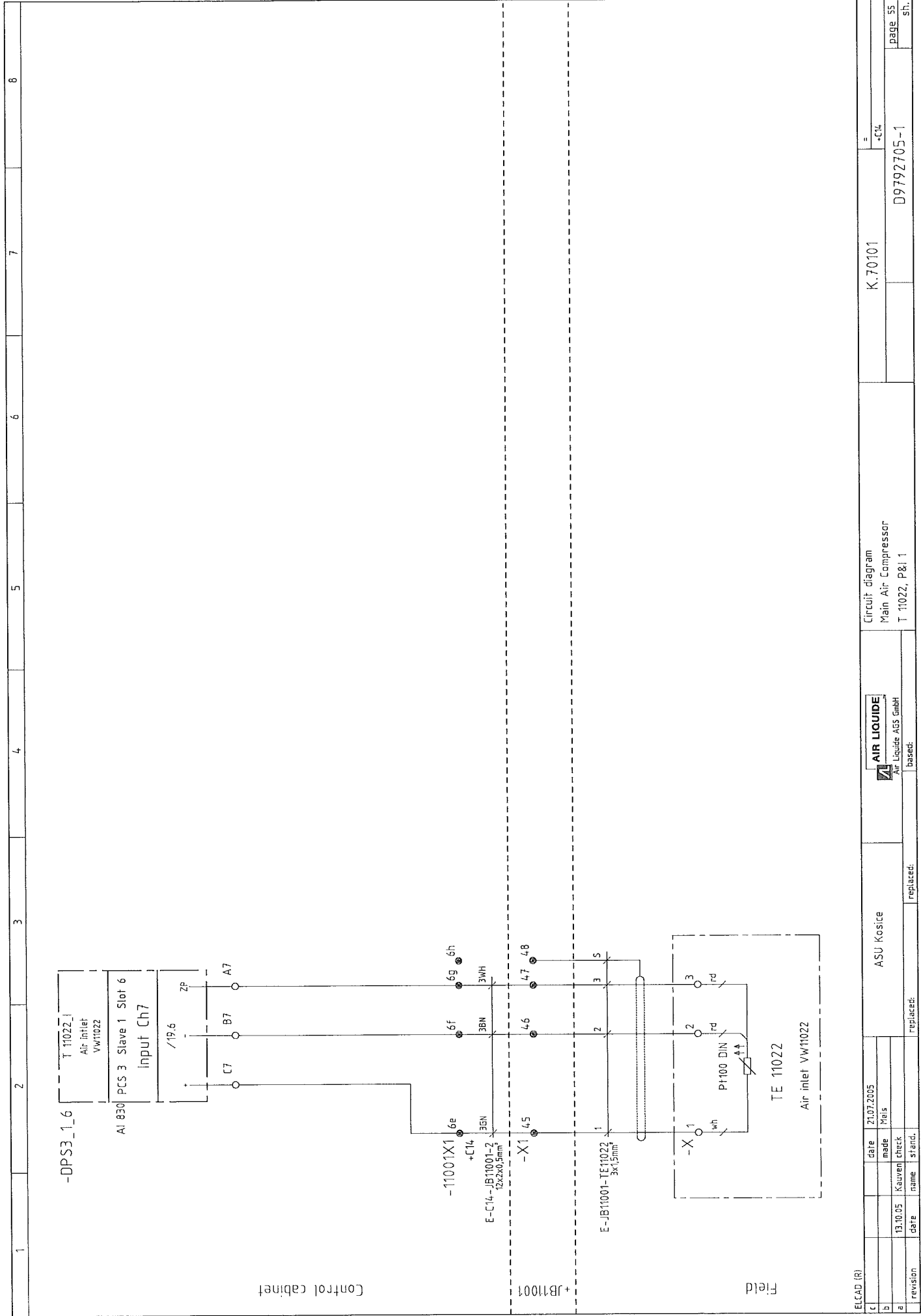
Field

TE 11021

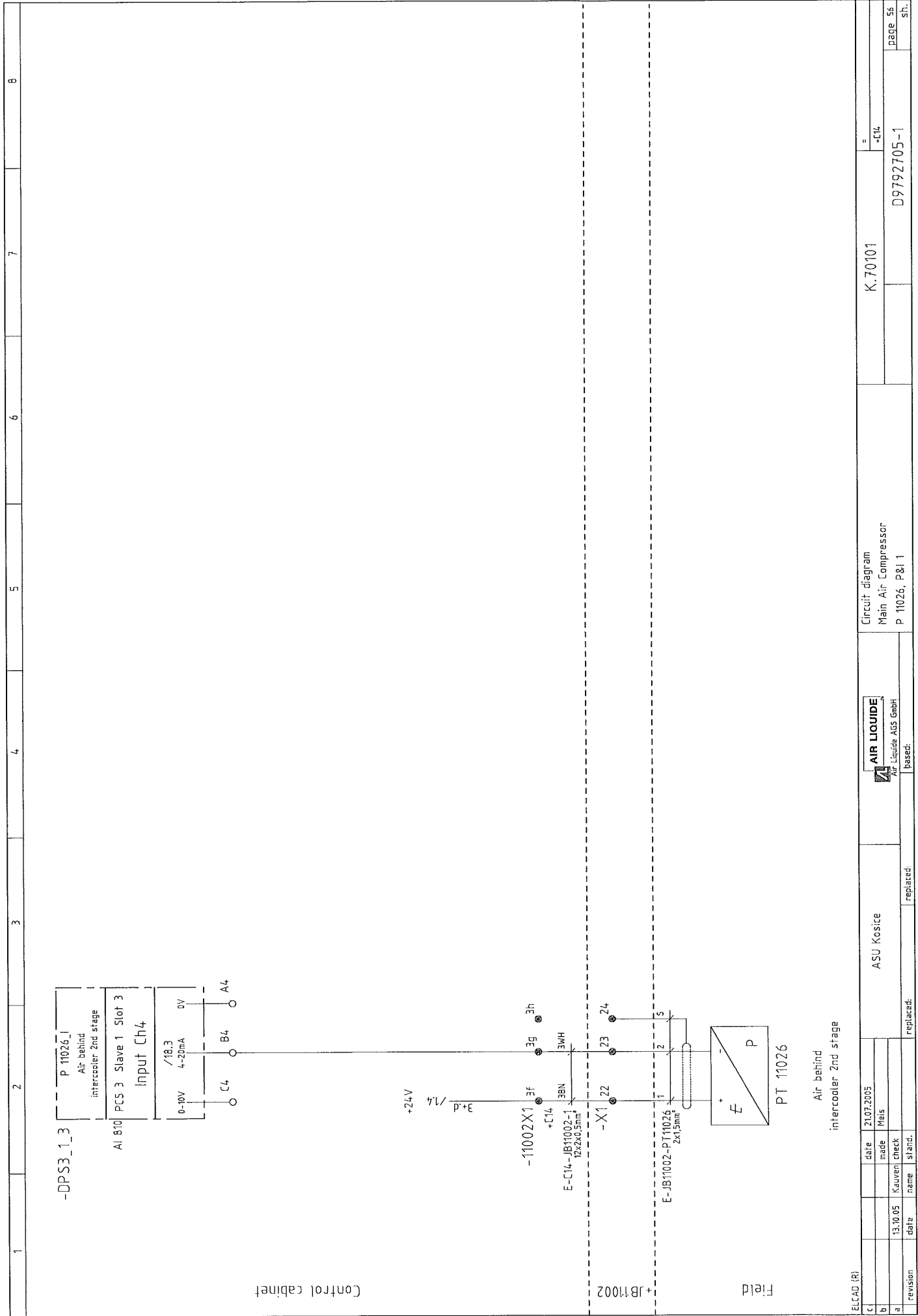
Air inlet VW11021

ELCAD (R)

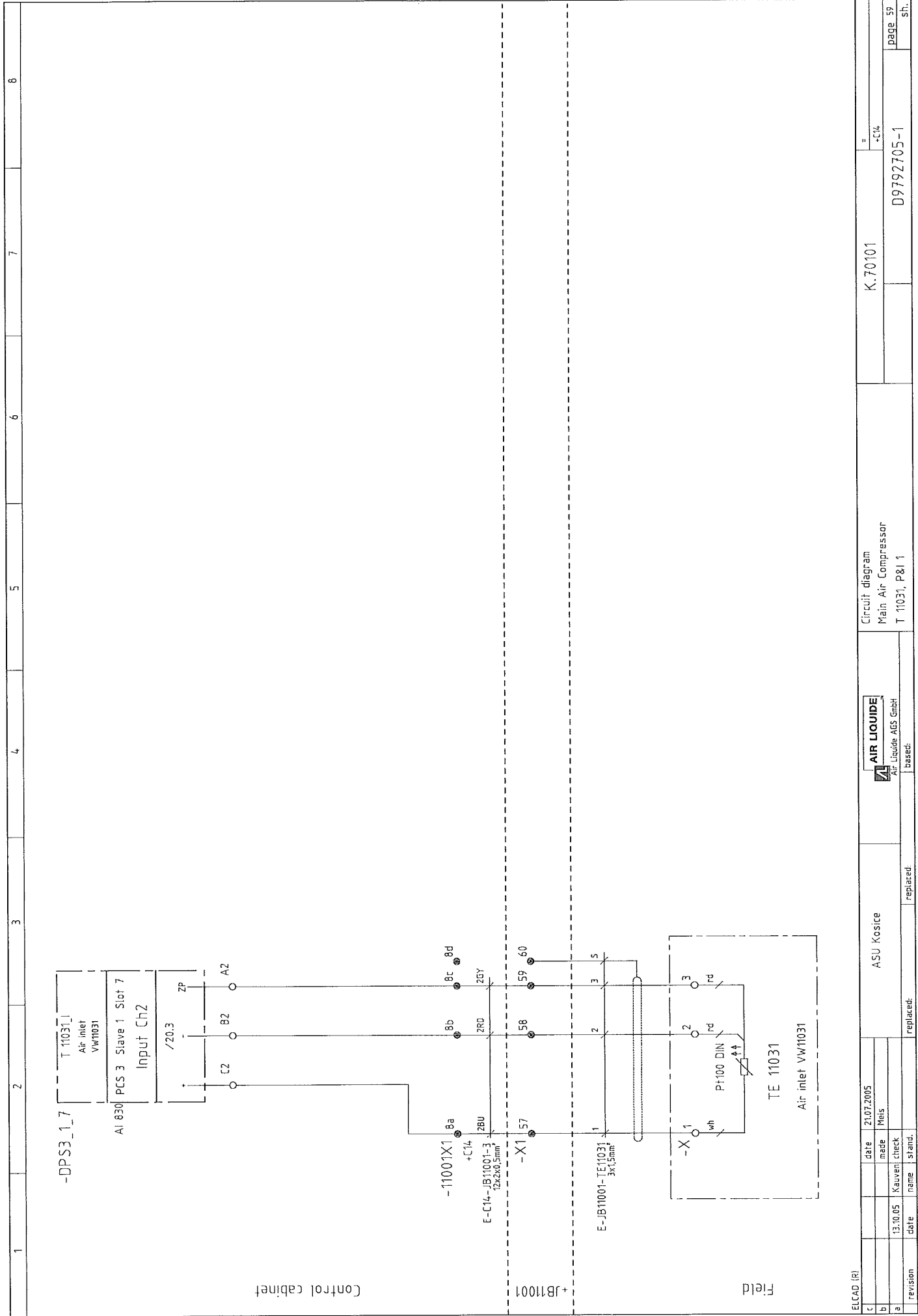
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ELCAD (R)		ASU Kosice		K.70101		=	
c	date	21.07.2005		Main Air Compressor		-C14	
b	made	Milis		T 11022, P&I 1		D9792705-1	
a	check					page 55	
revision	name	stand.	replaced:			sh.	



ELCAD (R)		Air behind intercooler 2nd stage		Circuit diagram Main Air Compressor P 11026, P&I 1		K.70101		= +C14	
c	date	21.07.2005	ASU Kosice	AIR LIQUIDE					
b	made	Preis		Air Liquide AGS GmbH					
a	13.10.05	Kauwen		Air Liquide AGS GmbH					
revision	date	name	stand.	replaced:	replaced:	D9792705-1		page 56	
								sh.	



ELCAD (R)		date		21.07.2005	ASU Kosice		Circuit diagram		K.70101		=	
c				made			Main Air Compressor		+C14			
b				check			T 11031, P&I 1				page 59	
a	13.10.05	Kauven									D9792705-1	
revision	date	name	stand.	replaced:	replaced:						sh.	

The diagram illustrates the electrical wiring for the Main Air Compressor (T 11032). It is divided into two main sections: the Control cabinet and the Field.

Control cabinet components:

- DPS3_1.7**: Power supply unit.
- AI 830 PCS 3 Slave 1 Slot 7 Input Ch3**: Control input module.
- Terminals**: C3, B3, A3, 8e, 8f, 8g, 8h, 2eN, 2BN, 2WH, 61, 62, 63, 64, 1, 2, 3, 5.

Field components:

- TE 11032 Air Inlet VW11032**: The main air compressor unit.
- PH100 DIN**: Pressure switch.

Wiring connections:

- Terminal **8e** is connected to terminal **1** of the TE 11032.
- Terminal **8f** is connected to terminal **2** of the TE 11032.
- Terminal **8g** is connected to terminal **3** of the TE 11032.
- Terminal **8h** is connected to terminal **5** of the TE 11032.
- Terminal **2eN** is connected to terminal **1** of the TE 11032.
- Terminal **2BN** is connected to terminal **2** of the TE 11032.
- Terminal **2WH** is connected to terminal **3** of the TE 11032.
- Terminal **61** is connected to terminal **1** of the TE 11032.
- Terminal **62** is connected to terminal **2** of the TE 11032.
- Terminal **63** is connected to terminal **3** of the TE 11032.
- Terminal **64** is connected to terminal **5** of the TE 11032.

Legend:

- X1**: 11001X1
- +C14**: E-C14-JB11001-3 12x2x0.5mm²
- E-JB11001-TE11032**: 3x1.5mm²

ELCAD (R)

-DPS3_1.3

P 11036.1
Air behind intercooler 3rd stage

AI 810 PCS 3 Slave 1 Slot 3 Input Ch5

/18.3
0-10V 4-20mA 0V

C5 B5 A5

+24V /14

3+e

-11002X1

4a 4b 4c

E-C14-JB11002-2 1BU 1BD

12x2x0.5mm²

-X1

25 26 27

E-JB11002-PT11036 2x15mm²

1 2 3 5

PT 11036

Field

Air behind intercooler 3rd stage

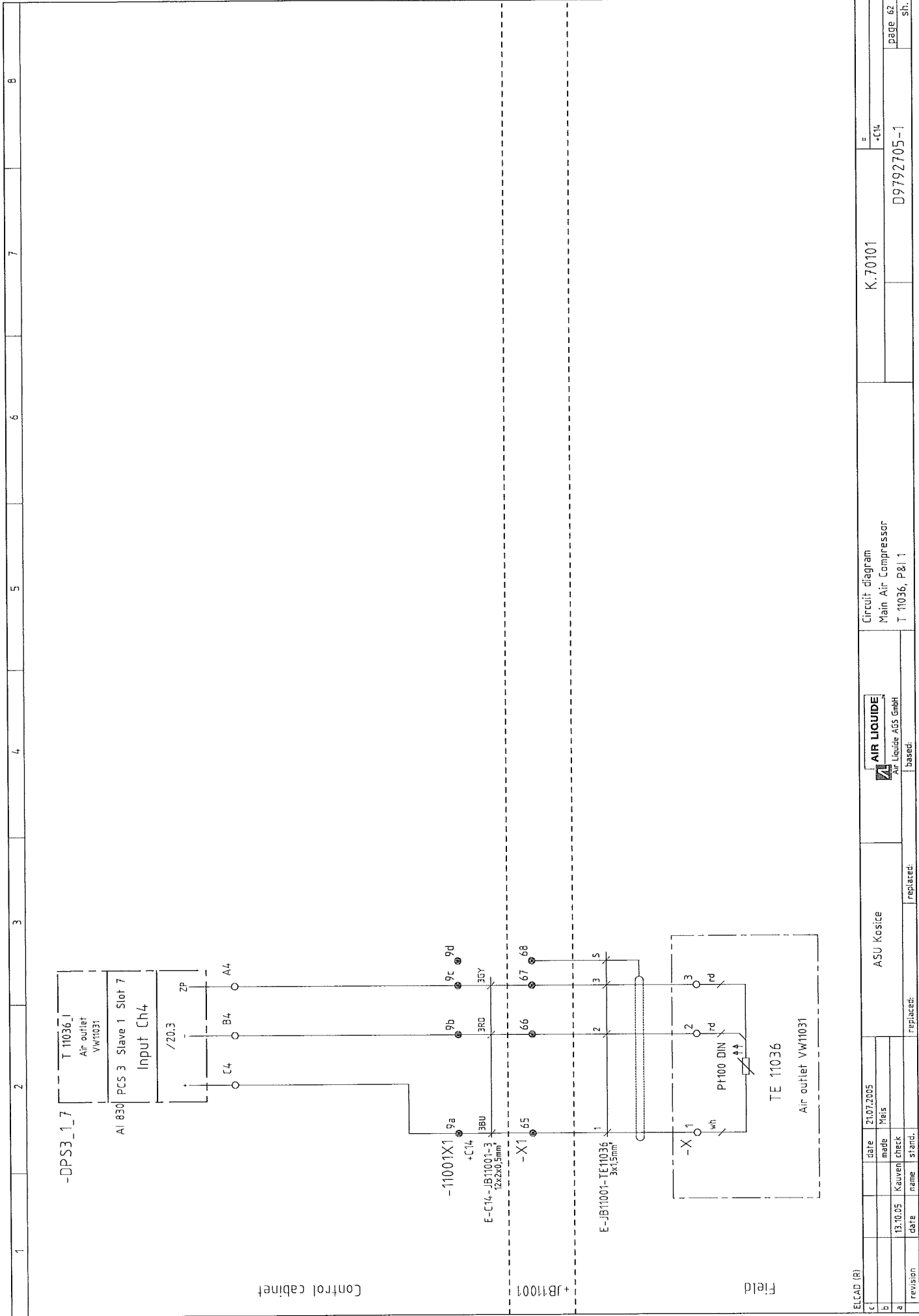
c	date	made	Yefis	ASU Kosice	AIR LIQUIDE	Circuit diagram	K.70101	=
b	13.10.05	Kauven	check		Air Liquide AGS GmbH <td>Main Air Compressor <td></td> <td>-C14</td> </td>	Main Air Compressor <td></td> <td>-C14</td>		-C14
a						P 11036, P&I 1 <td>D9792705-1 <td></td> </td>	D9792705-1 <td></td>	
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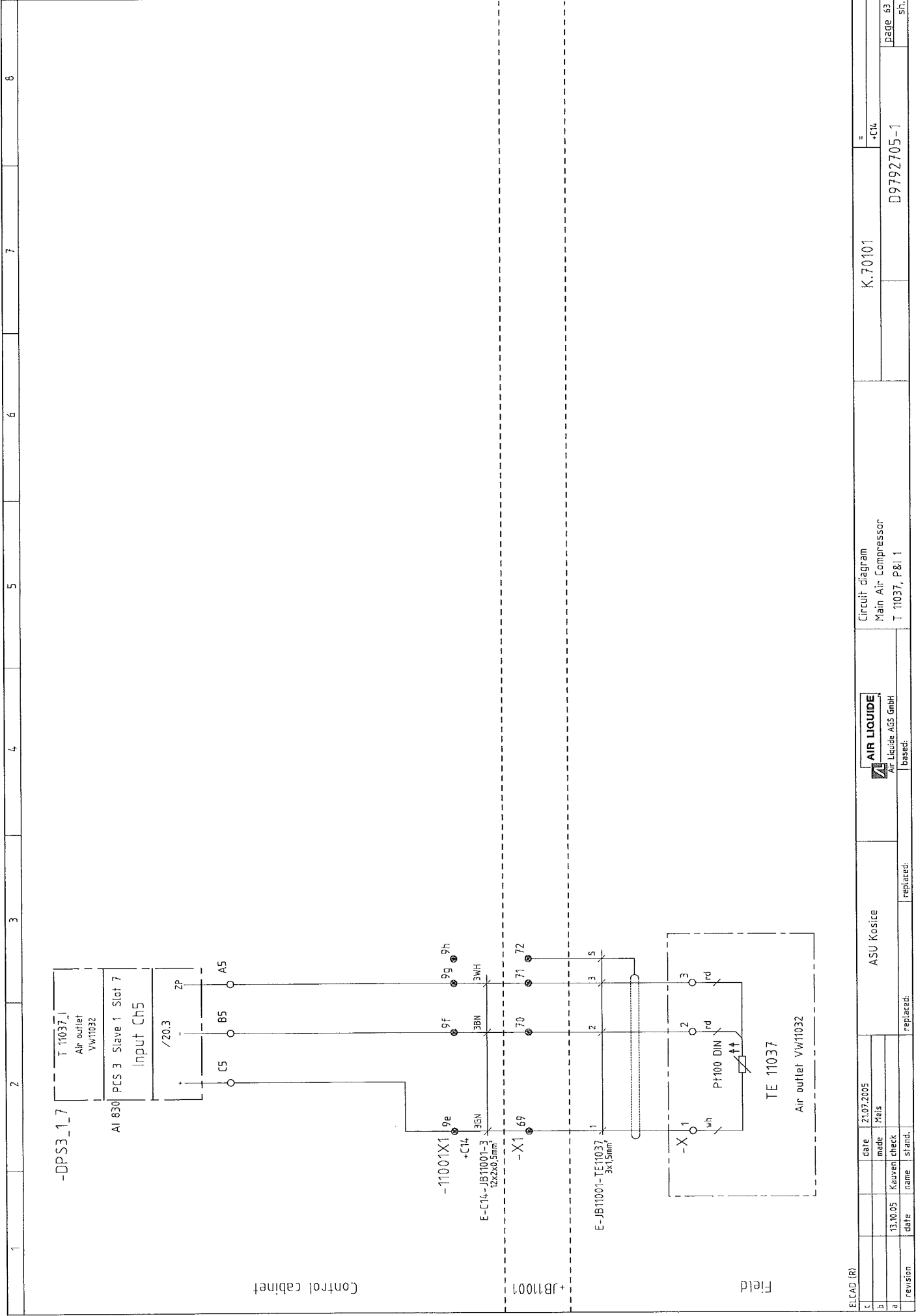
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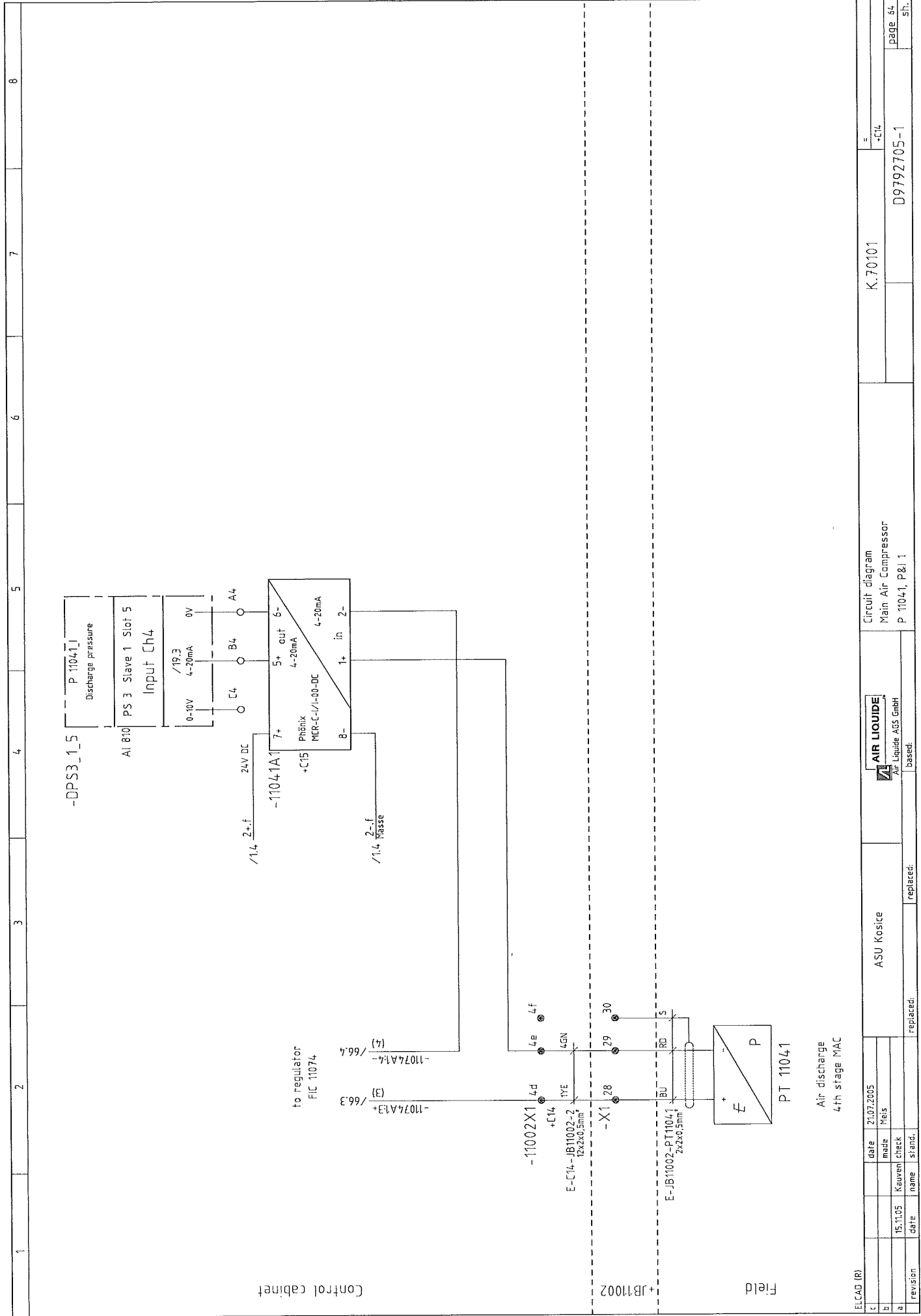
Control cabinet

Page 61

8







ELCAD (R)		ASU Kosice		AIR LIQUIDE		Circuit diagram		K.70101		=	
c	date	21.07.2005		made	Mis	Main Air Compressor		-C14		-C14	
b	date	15.11.05		check	Mis	P 11041, P81 1		D9792705-1		page 64	
a	revision			name	stand.	replaced:		replaced:		sh.	

Control cabinet

Field

-DPS3_1.7

T 11041.1
Air discharge
4th stage MAC

AI 830 PCS 3 Slave 1 Slot 7
Input Ch6

/20.3

ZP

A6

B6

C6

10a

10b

10c

10d

+C14

E-C14-JB11001-4
12x2x0.5mm

1BU

1RD

1GY

-X1

73

74

75

76

1

2

3

S

E-JB11001-TE11041
3x15mm

-X

1

2

3

wh

rd

rd

PT100 DIN

TE 11041
Air discharge
4th stage MAC

ELCAD (R)

date	21.07.2005
made	Mis
revision	13.10.05
name	Kauven
check	check
stand.	stand.

date	21.07.2005
made	Mis
revision	13.10.05
name	Kauven
check	check
stand.	stand.

ASU Kosice

AIR LIQUIDE
Air Liquide AGS GmbH

replaced:

replaced:

Circuit diagram
Main Air Compressor
T 11041, P&I 1

K.70101

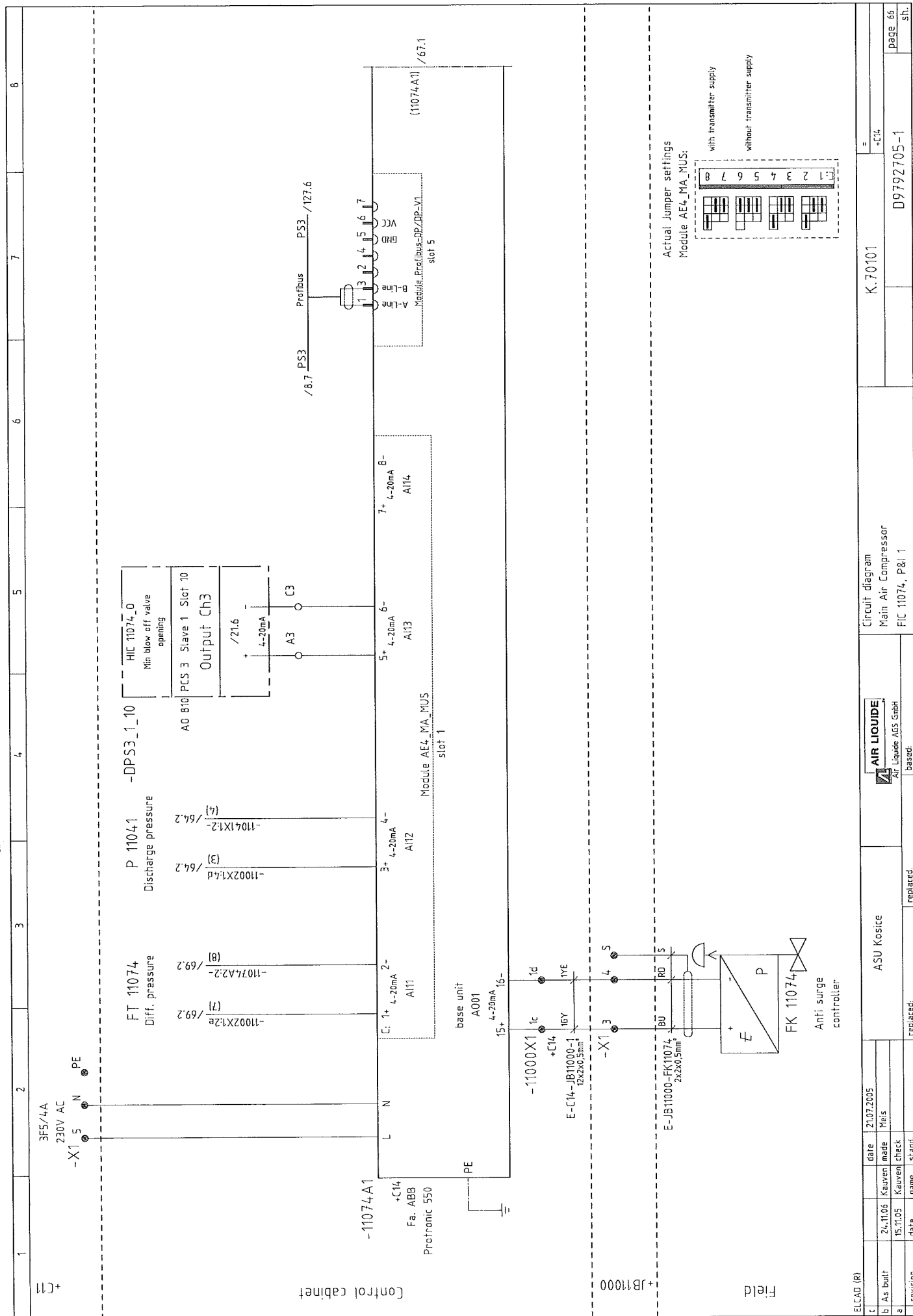
-C14

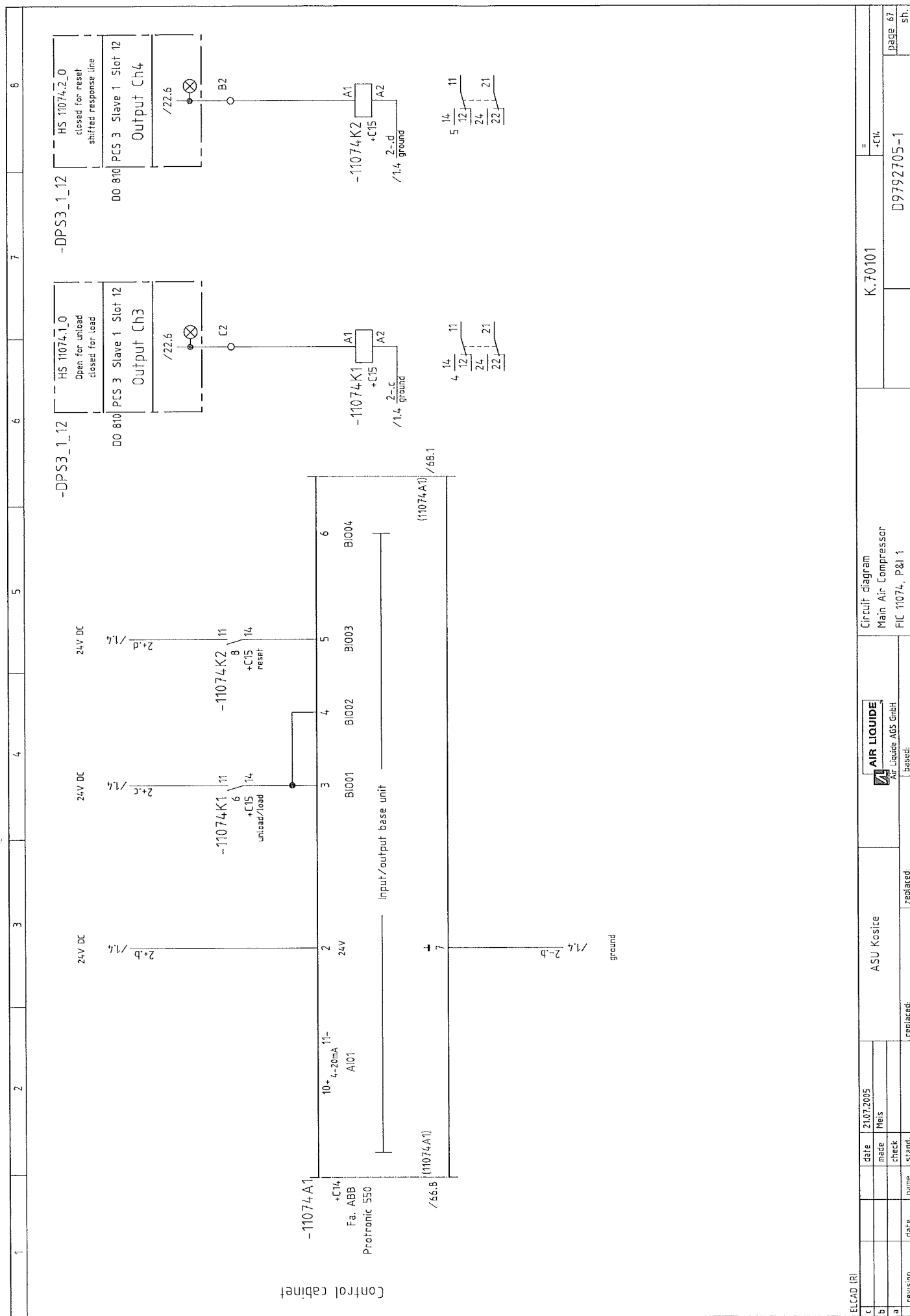
z

D9792705-1

page 65

sn.



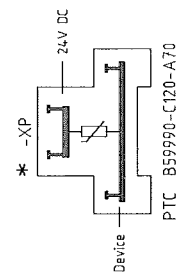


The diagram illustrates the wiring for three alarm input modules in a control cabinet. The modules are YL 11074.2 (Alarm I/O-failure), YL 11074.3 (Alarm Controller failure), and YL 11074.1 (Alarm response line shifted). Each module has a PCS 3 Slave 1 Slot 11 Input Ch9, Ch10, and Ch11. The modules are connected to a 24V DC supply via relays (XP6) and capacitors (C14). The diagram includes terminal block connections (C5, B5, C6), a 24V DC supply, and a 24V DC relay (XP6).

revision	date	name	check	stand.
a				
b				
c				

ELCAD (R)	21.07.2005	ASU Kosice	AIR LIQUIDE	Circuit diagram	K.70101	PTC B59990-C120-A70
				Main Air Compressor		
				FIC 11074, P&I 1		

Control cabinet



[illegible]



ELCAD (R)

c	
b	As built
a	
	revision

ASU Kosice

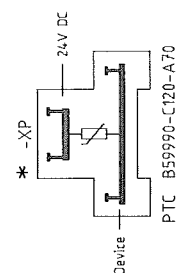
AIR LIQUIDE
Air Liquide AGS GmbH
based:

Circuit diagram
Main Air Compressor
US 11074, P&I 1


K.70101

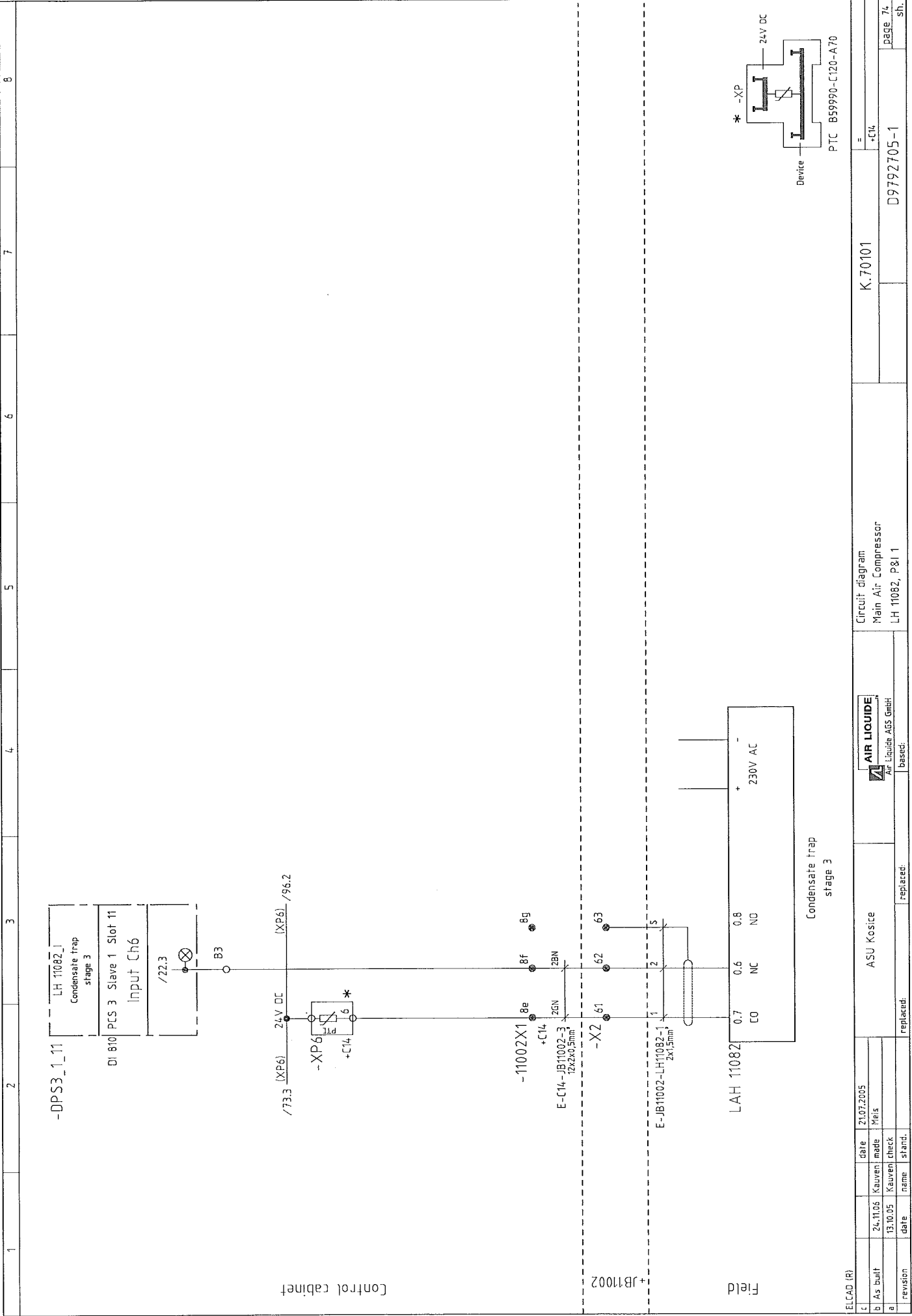
476

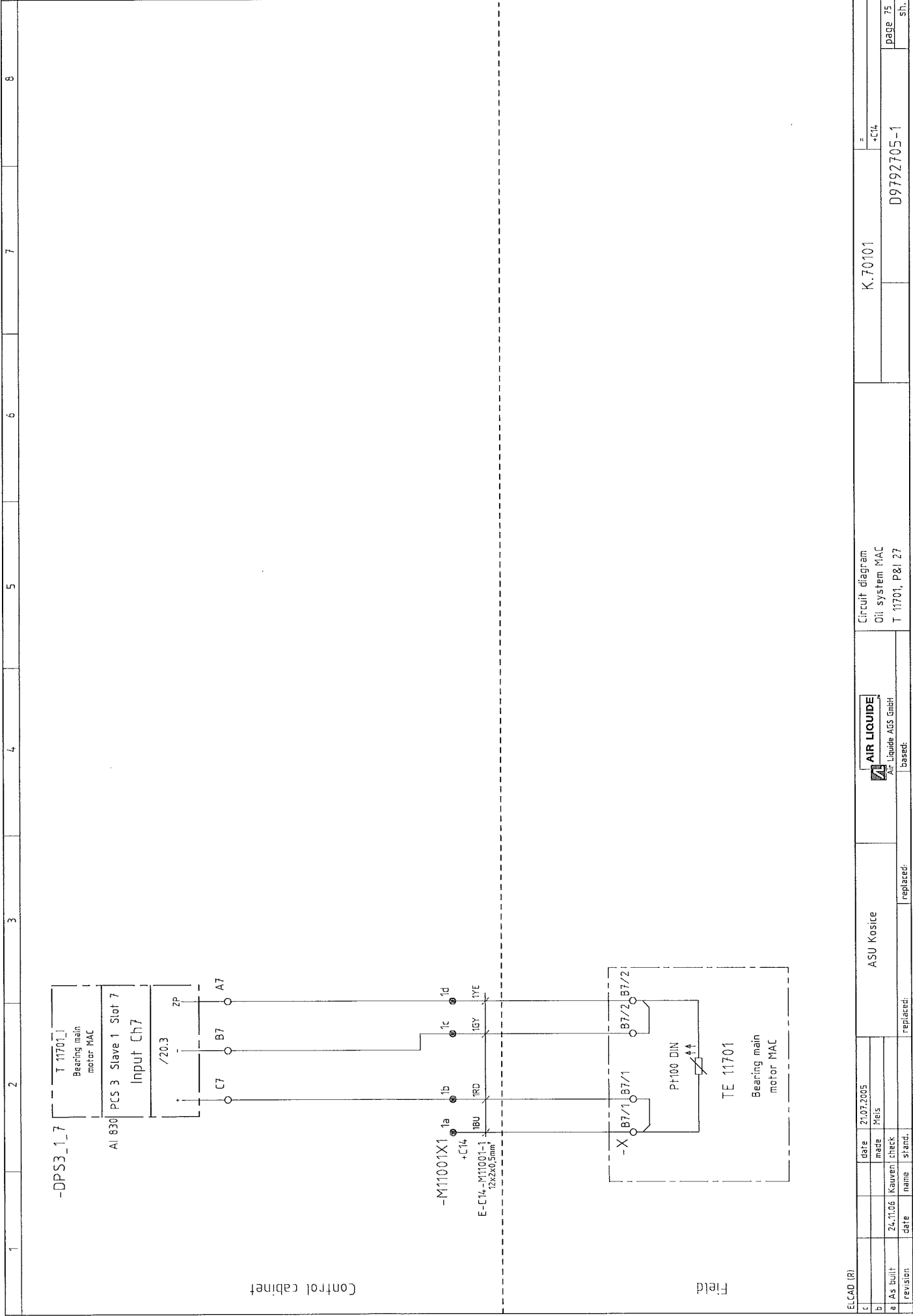
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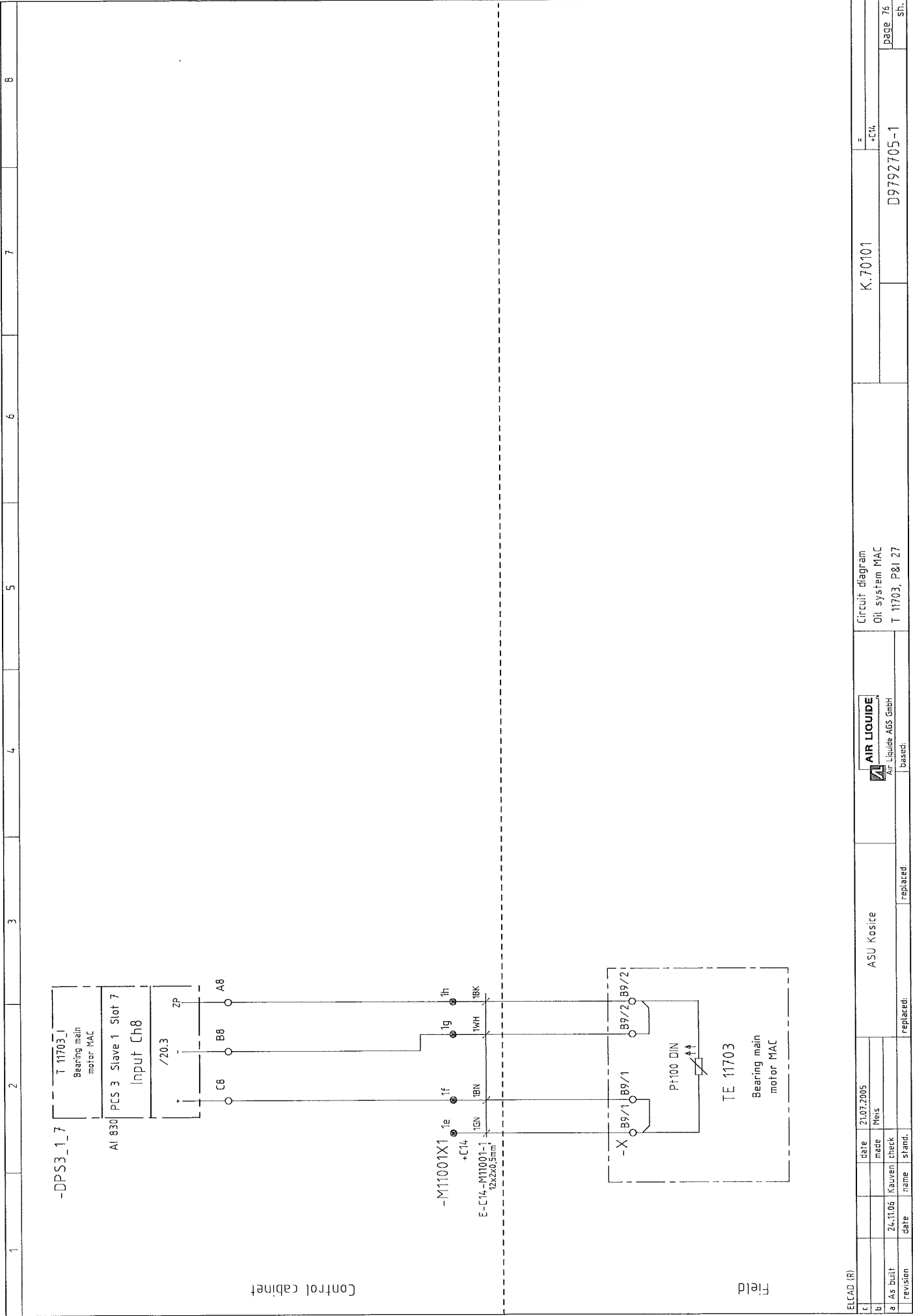


Condensate trap stage 1

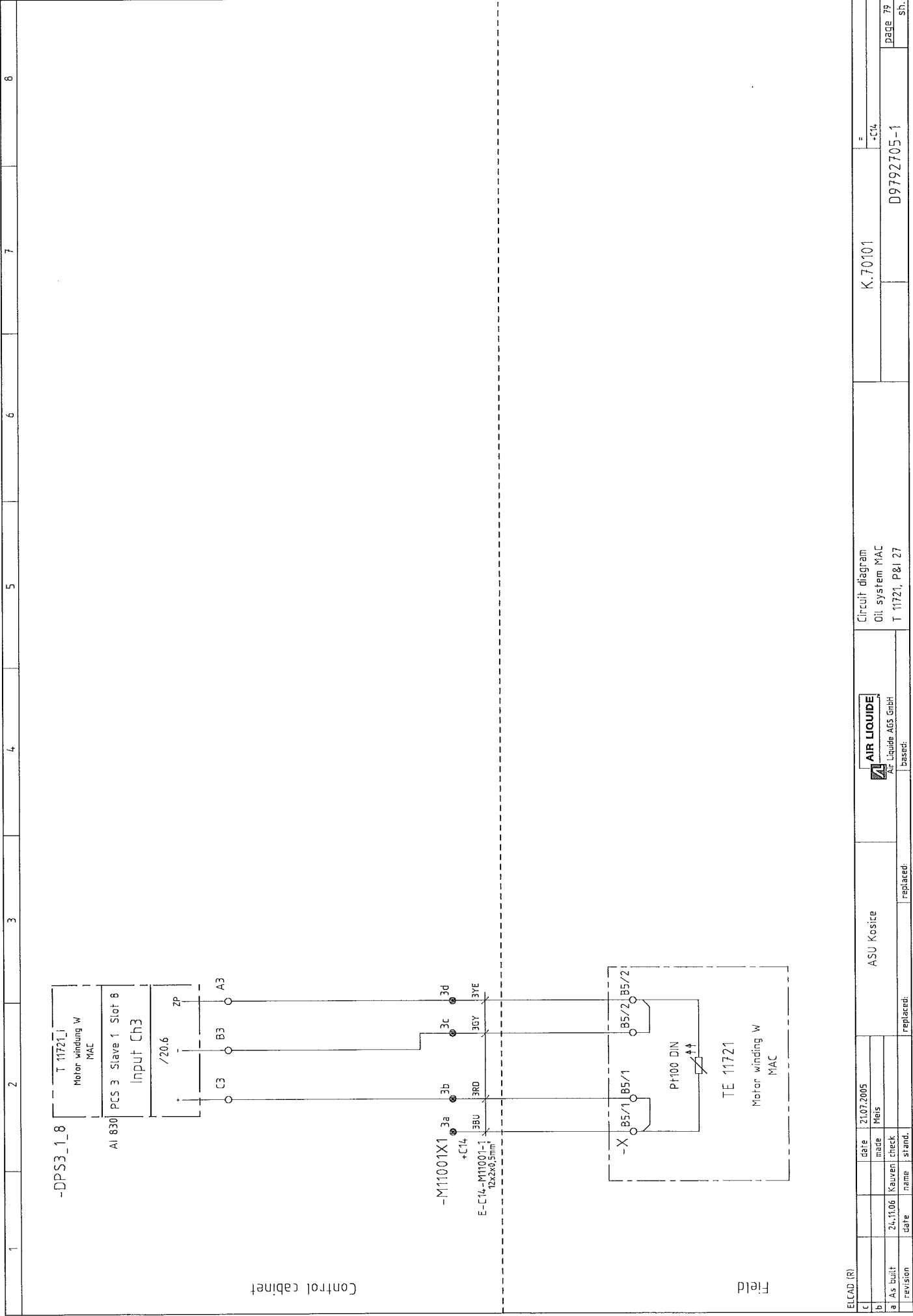
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c			date	21.07.2005		ASU Kosice			
b	As built	24.11.06	Kauven made	Mars					
a		13.10.05	Kauven check						
	revision	date	name	replaced:		replaced:		based:	
						 AIR LIQUIDE Air Liquide AGS GmbH		Circuit diagram Main Air Compressor LH 11080, P&I 1	
								K.70101	
								=	
								-C14	
								page 72	
								sh.	
								D9792705-1	

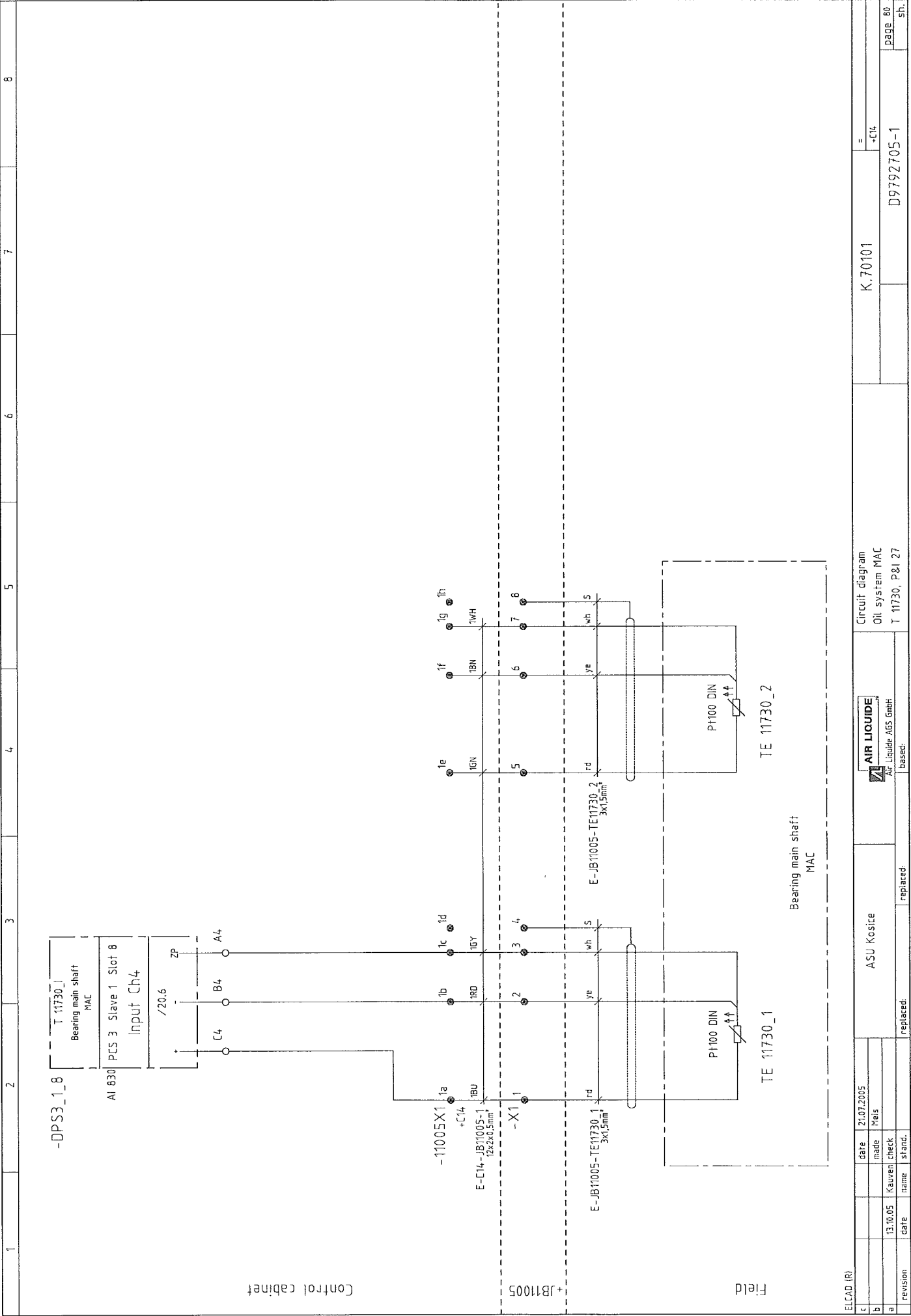






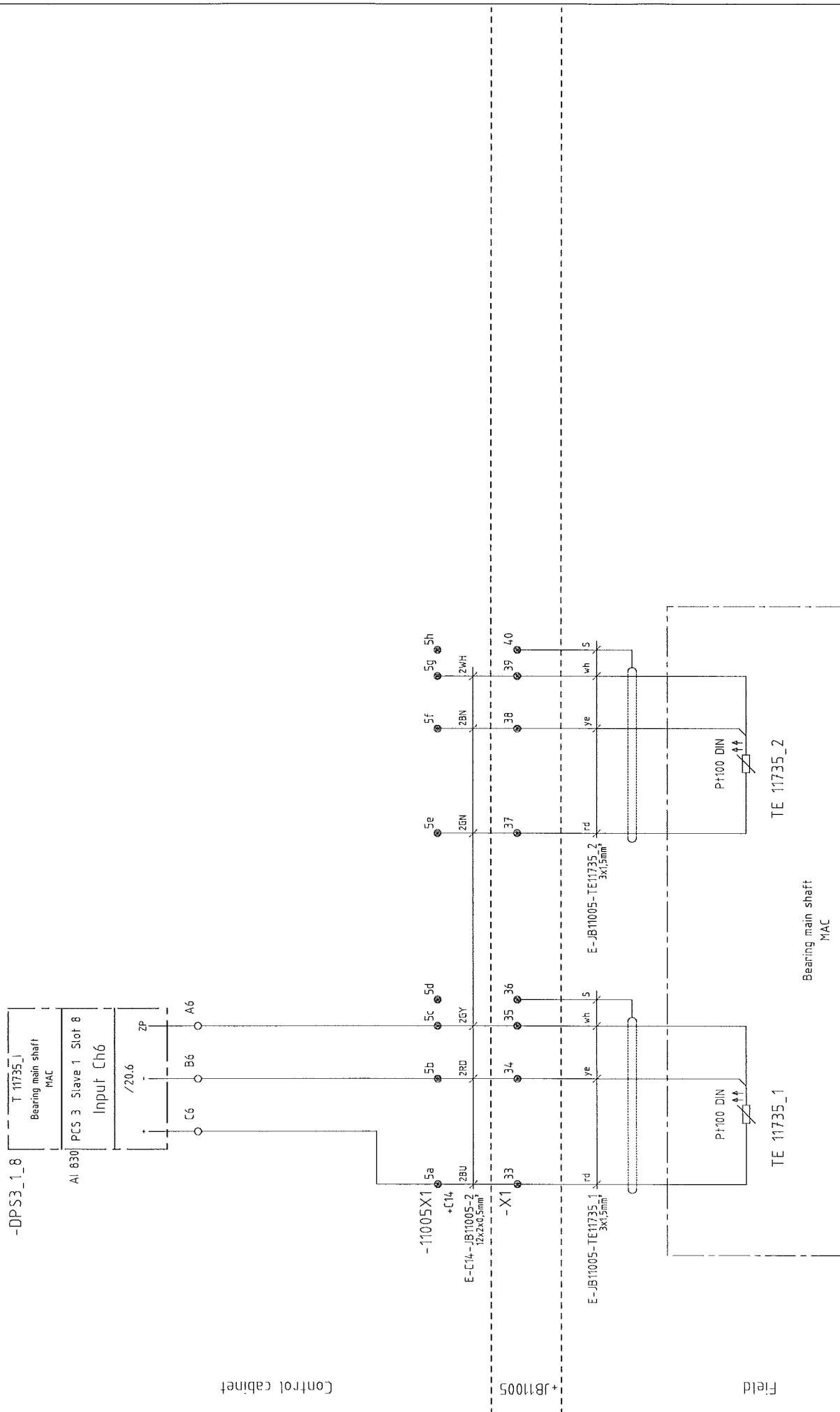
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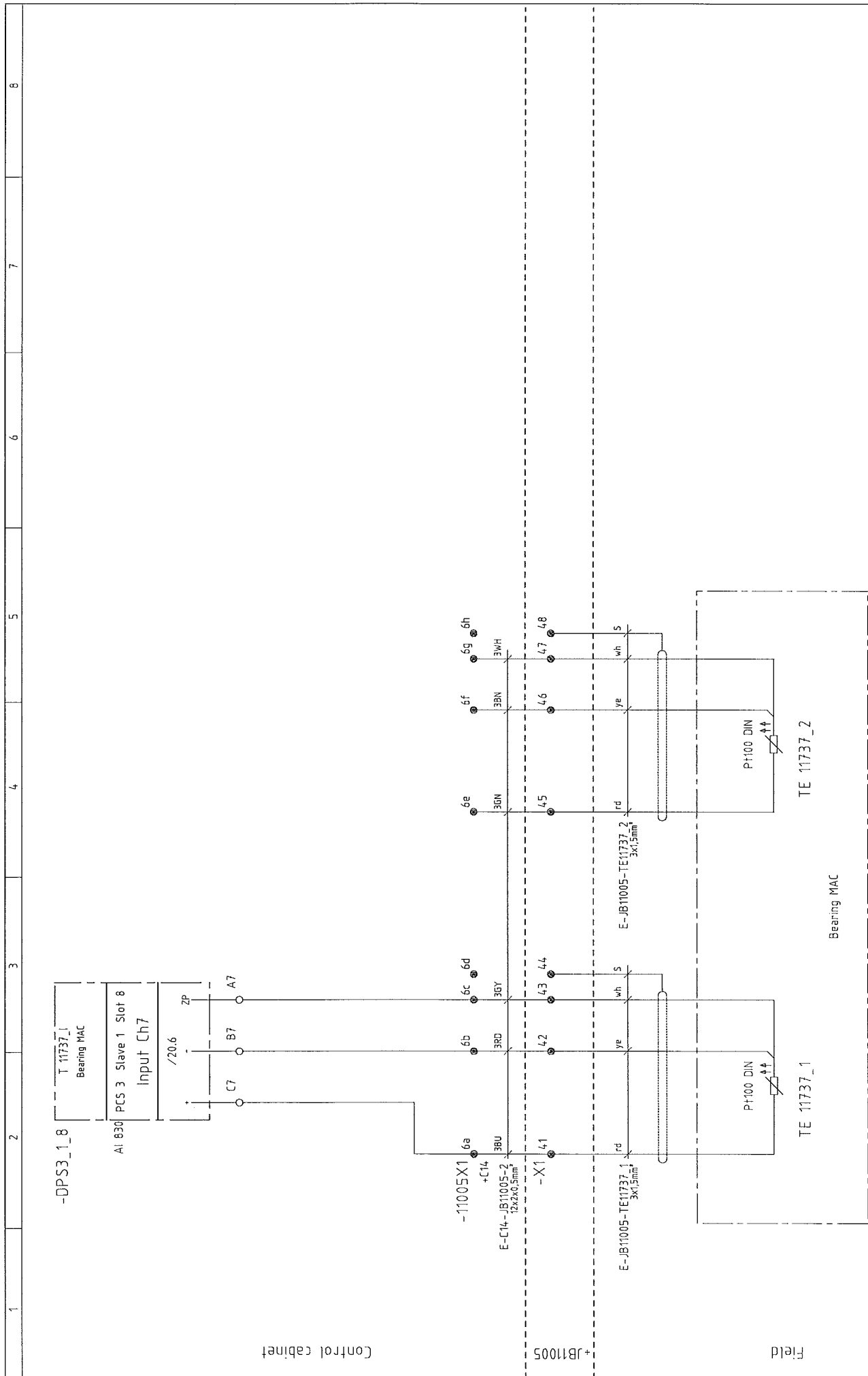




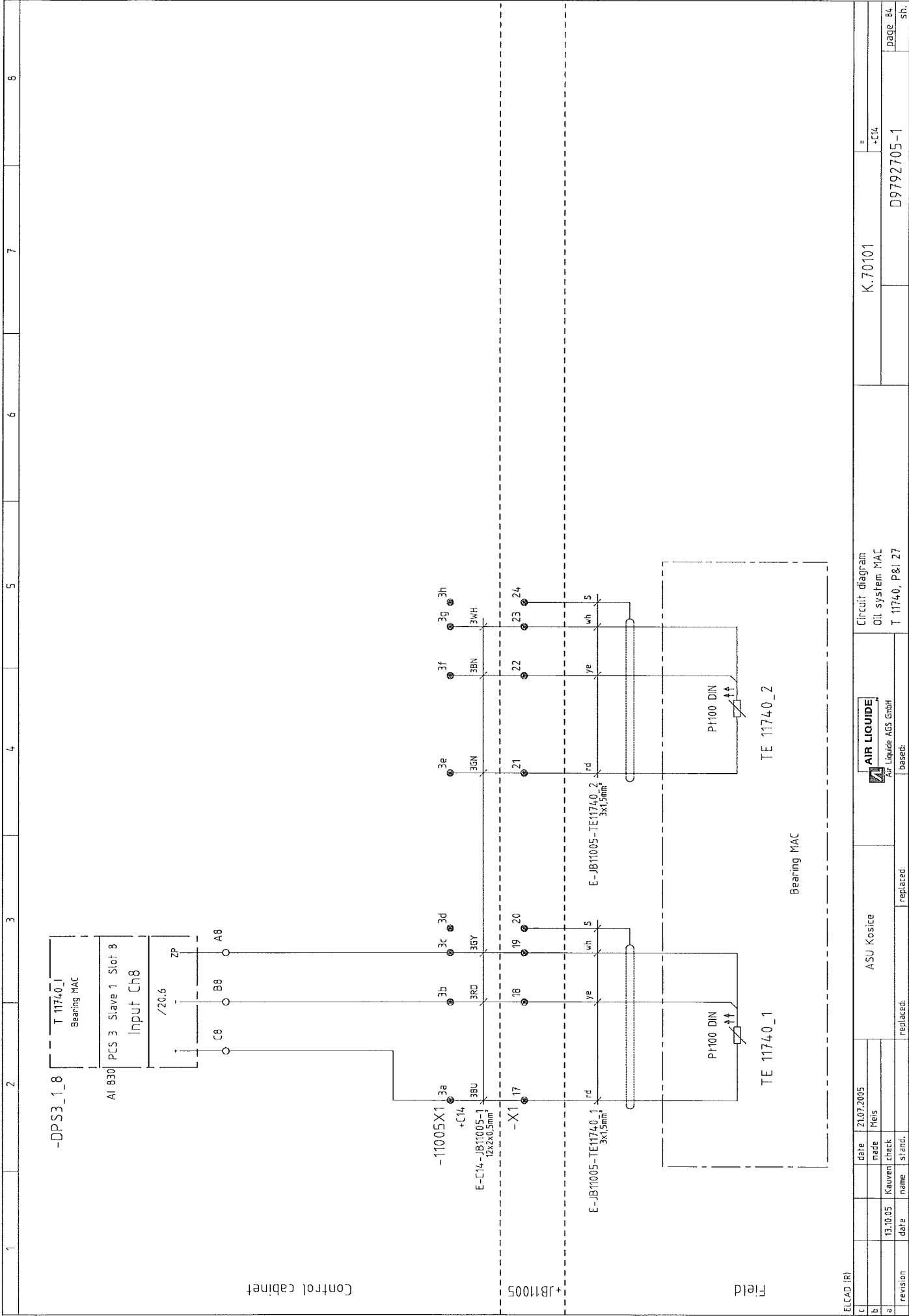
1		2	3	4	5	6	7	8
		Control cabinet						
		Field						
		+JB11005						
		Bearing main shaft MAC						
		<div> <div> <div>-DPS3_1_8</div> <div>T 11733_1</div> <div>Bearing main shaft</div> <div>MAC</div> </div> <div> <div>AI 830</div> <div>PCS 3 Slave 1 Slot 8</div> <div>Input Ch5</div> </div> <div> <div>/20.6</div> <div>ZP</div> <div>C5</div> <div>B5</div> <div>A5</div> </div> </div> <div> <div>-11005X1</div> <div>2a</div> <div>+C14</div> <div>E-C14-JB11005-1</div> <div>12x2x0.5mm</div> <div>-X1</div> <div>9</div> </div> <div> <div>2b</div> <div>2c</div> <div>2d</div> <div>2e</div> <div>2f</div> <div>2g</div> <div>2h</div> <div>2i</div> <div>2j</div> <div>2k</div> <div>2l</div> <div>2m</div> <div>2n</div> <div>2o</div> <div>2p</div> <div>2q</div> <div>2r</div> <div>2s</div> <div>2t</div> <div>2u</div> <div>2v</div> <div>2w</div> <div>2x</div> <div>2y</div> <div>2z</div> </div> <div> <div>2a</div> <div>2b</div> <div>2c</div> <div>2d</div> <div>2e</div> <div>2f</div> <div>2g</div> <div>2h</div> <div>2i</div> <div>2j</div> <div>2k</div> <div>2l</div> <div>2m</div> <div>2n</div> 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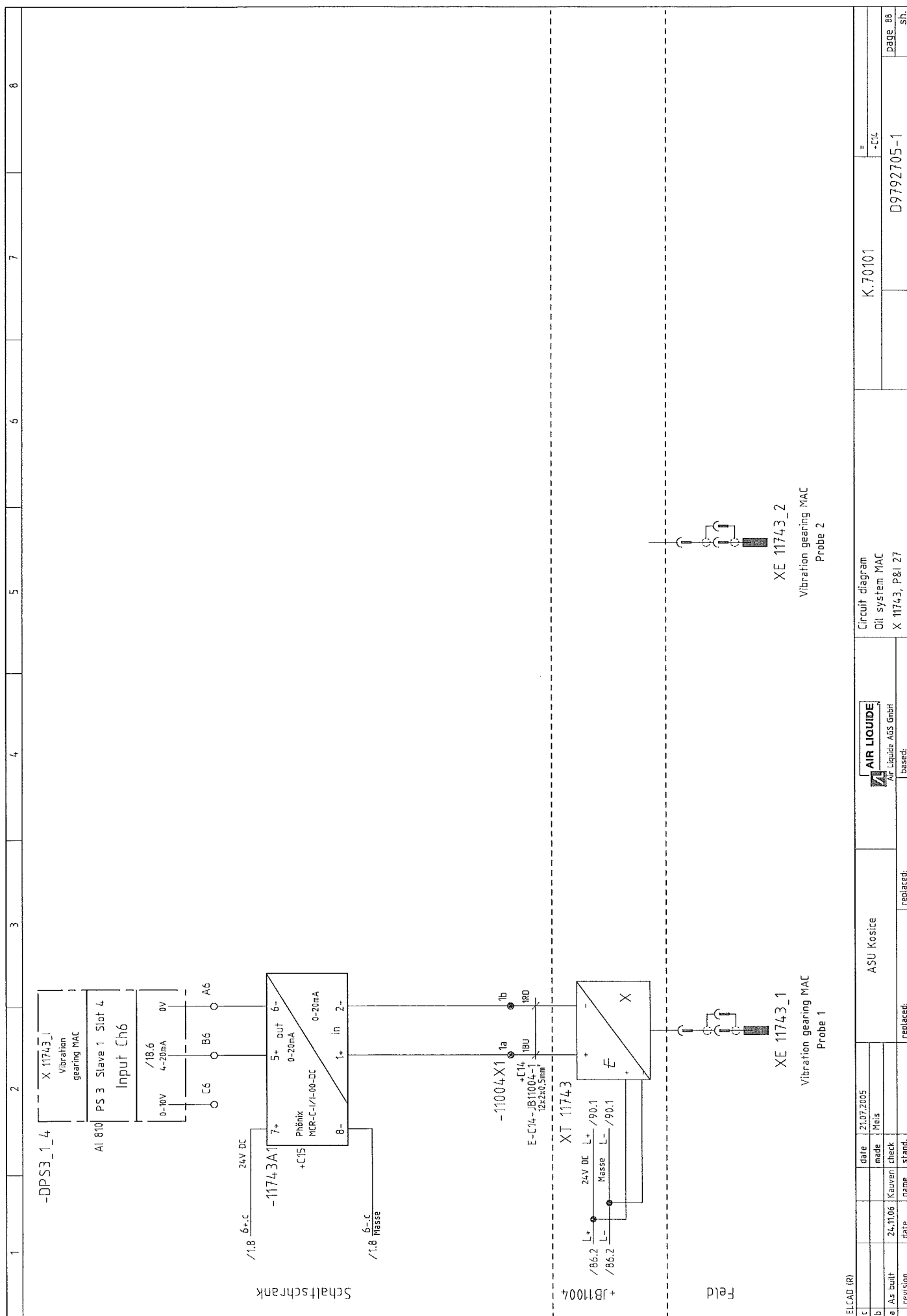
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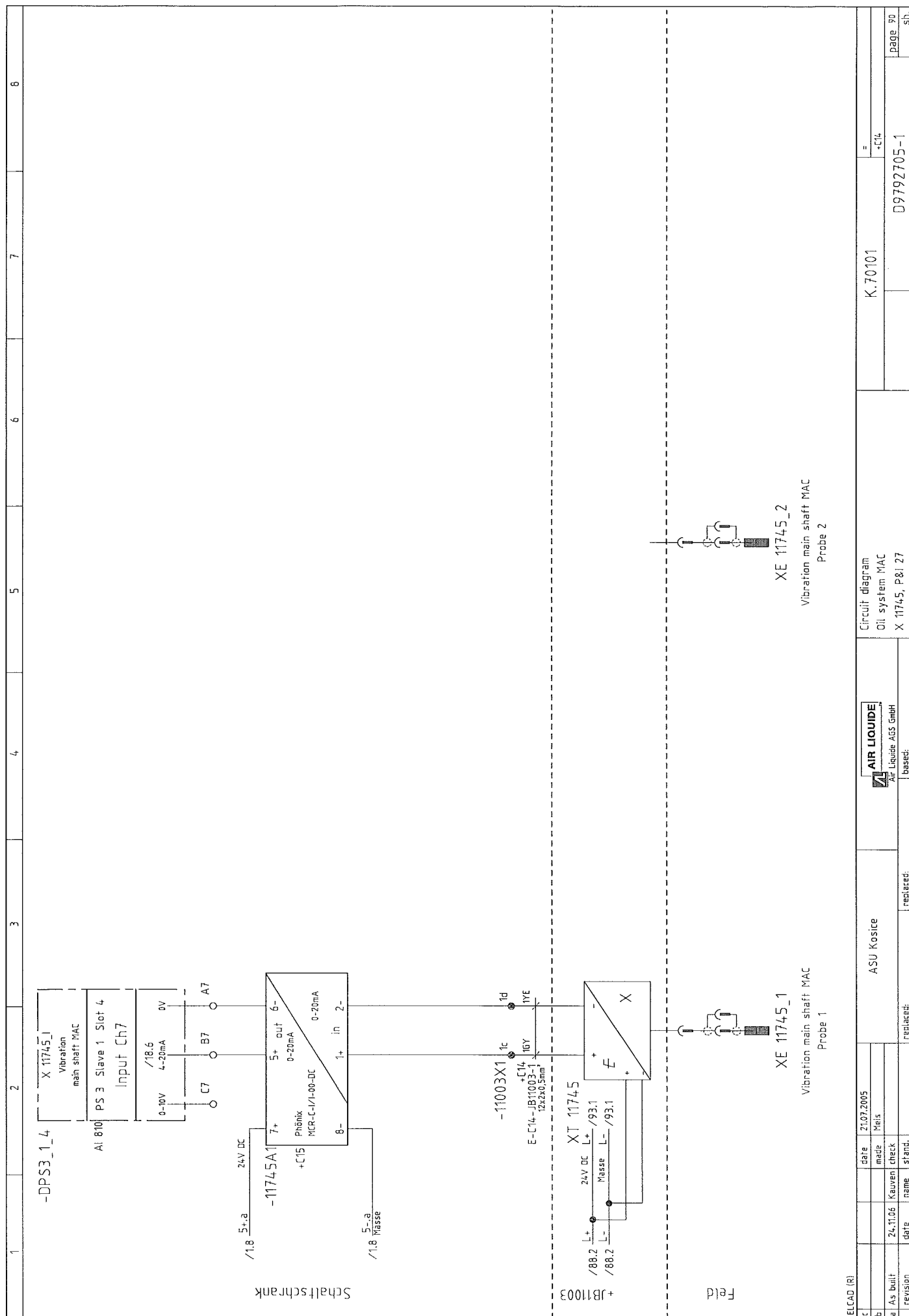


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The diagram illustrates the electrical control system for the oil system MAC of pump P 11747. It is divided into three main sections: Control cabinet, Field, and a central power/control interface.

Control cabinet: This section contains the main power supply and control logic. It includes a 24V power source, a transformer (E-C14-JB11002-2), and a microcontroller (P 11747_I). The microcontroller is connected to a relay (K.70101) and a pump (PT 11747). The relay is also connected to a valve (X1).

Field: This section contains the pump (PT 11747) and the valve (X1). The pump is connected to the relay, which in turn controls the valve. The valve is connected to the pump's input.

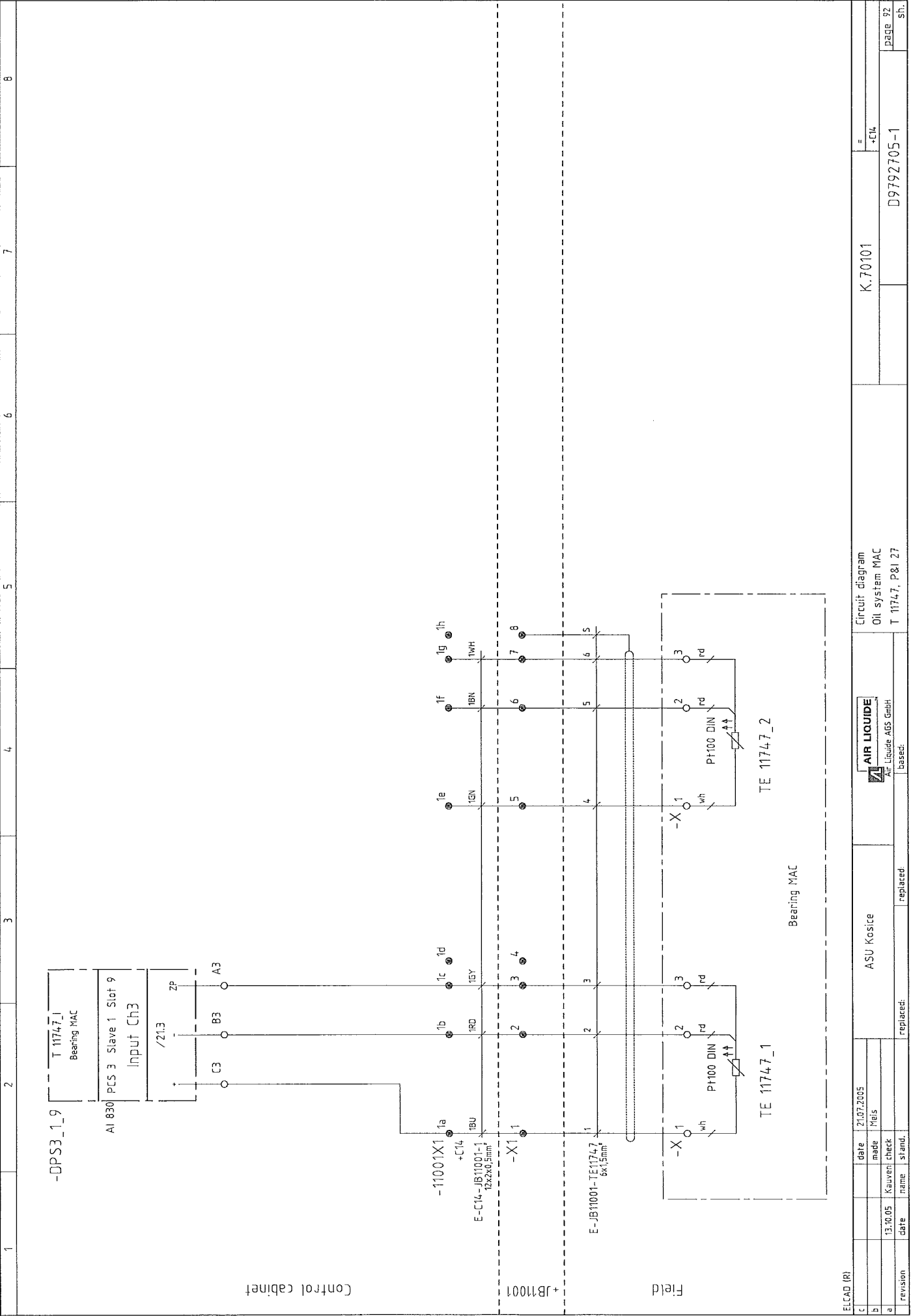
Power and Control Interface: This section shows the connection between the control cabinet and the field. It includes a 24V power source, a transformer (E-C14-JB11002-2), and a rectifier (E-JB11002-PT11747). The transformer is connected to the pump's input, and the rectifier is connected to the valve's input.

Legend:

- Control cabinet
- Field

Legend:

- Control cabinet
- Field



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