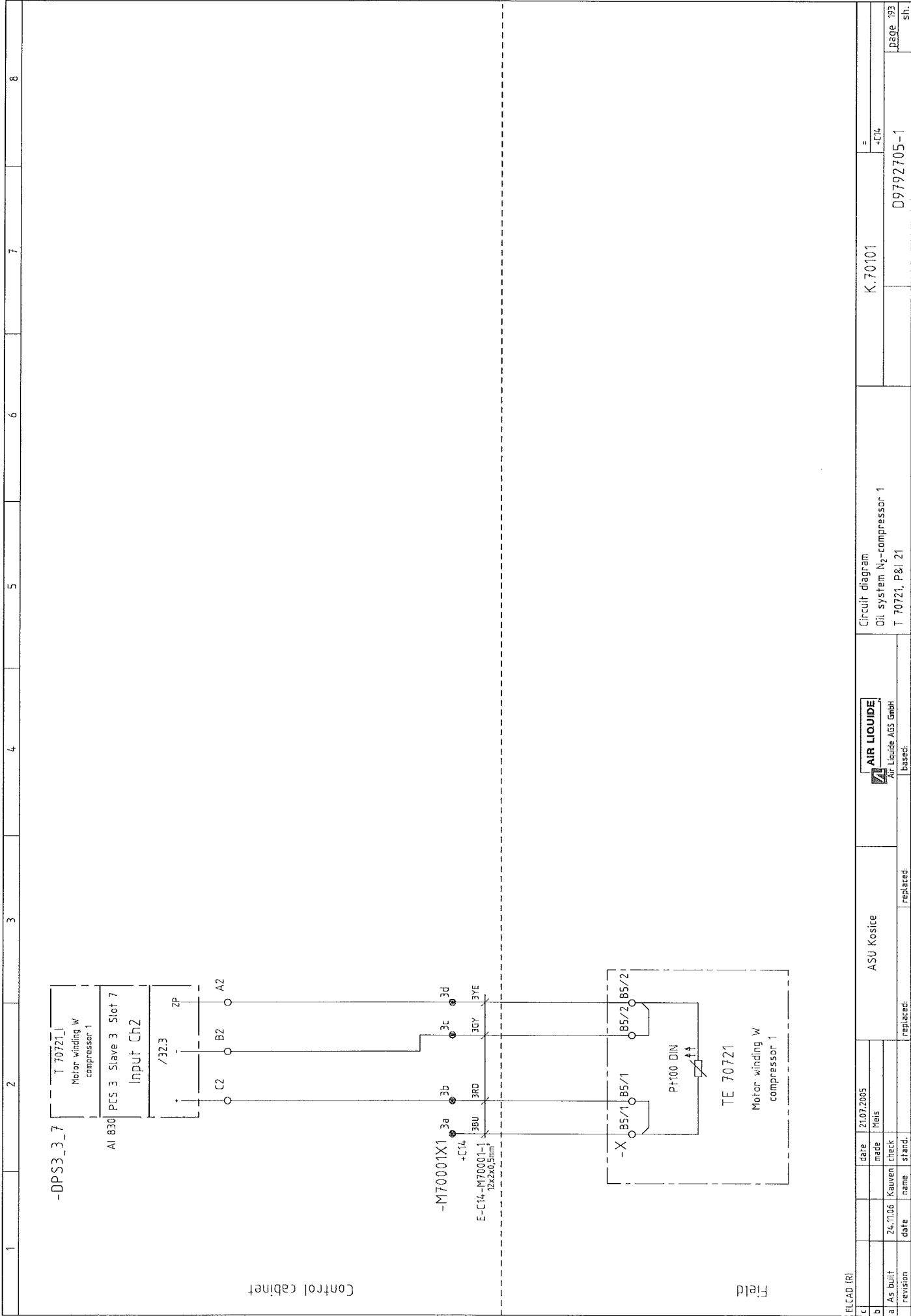


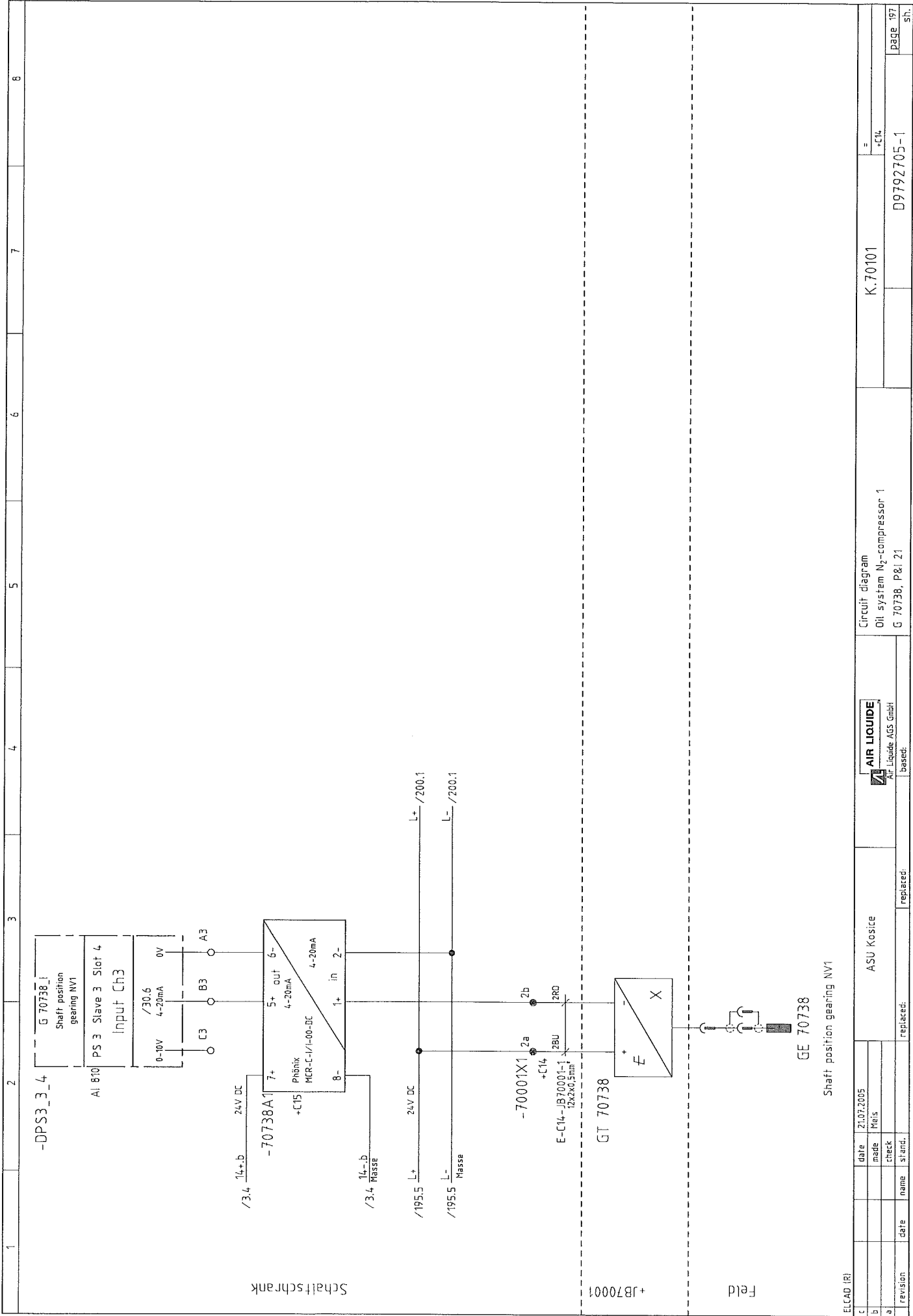
[illegible]



[illegible]

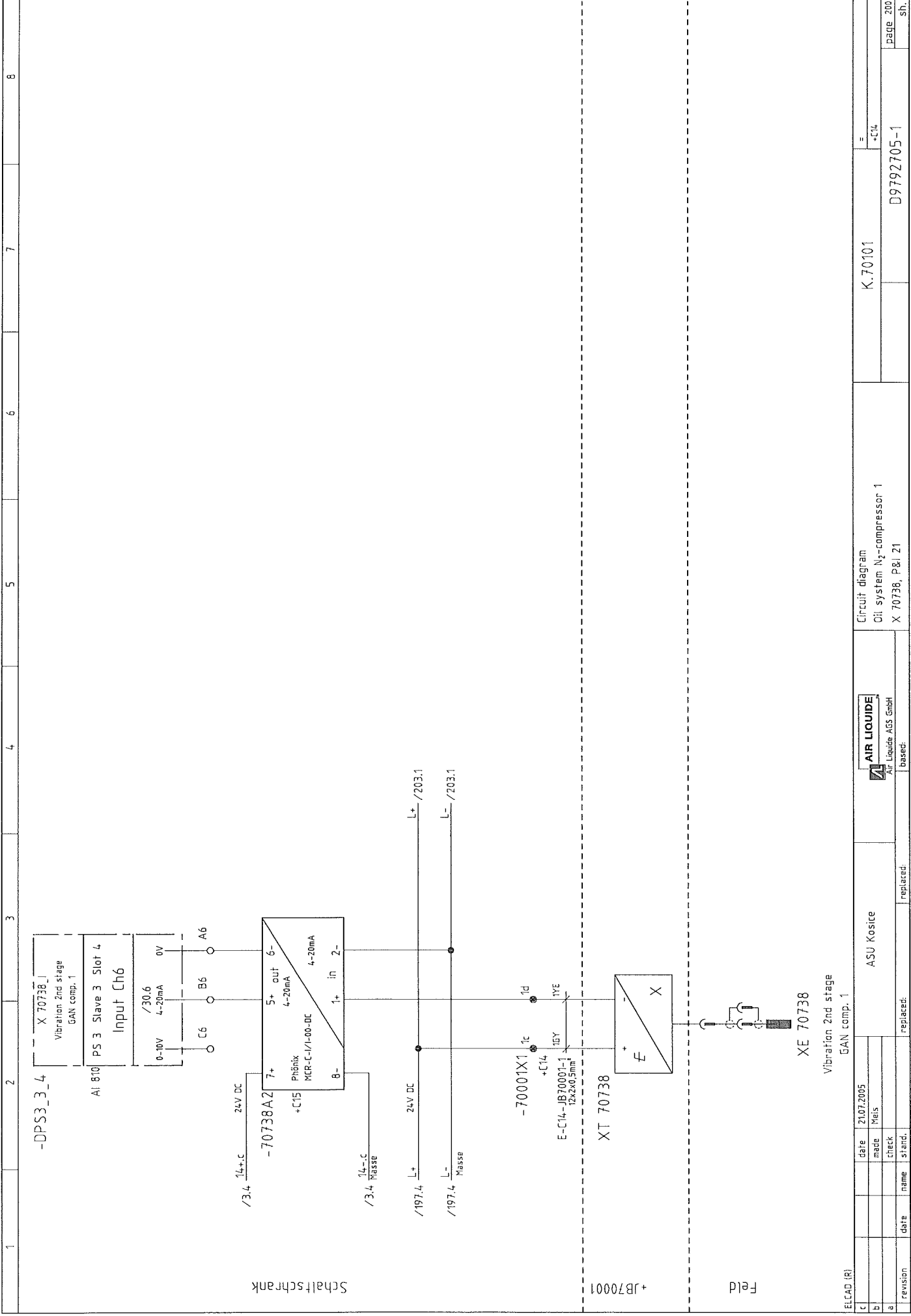
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[illegible]

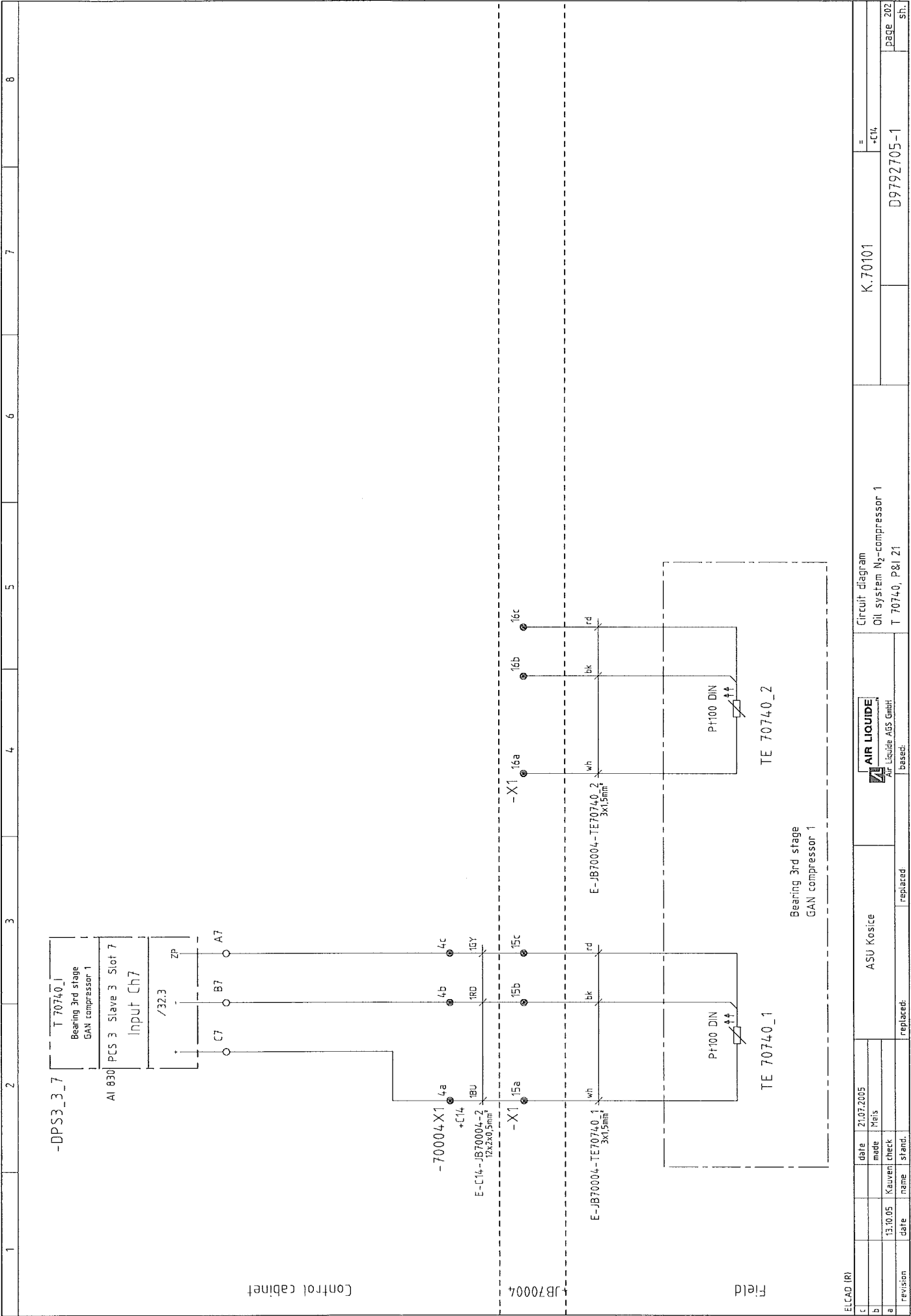


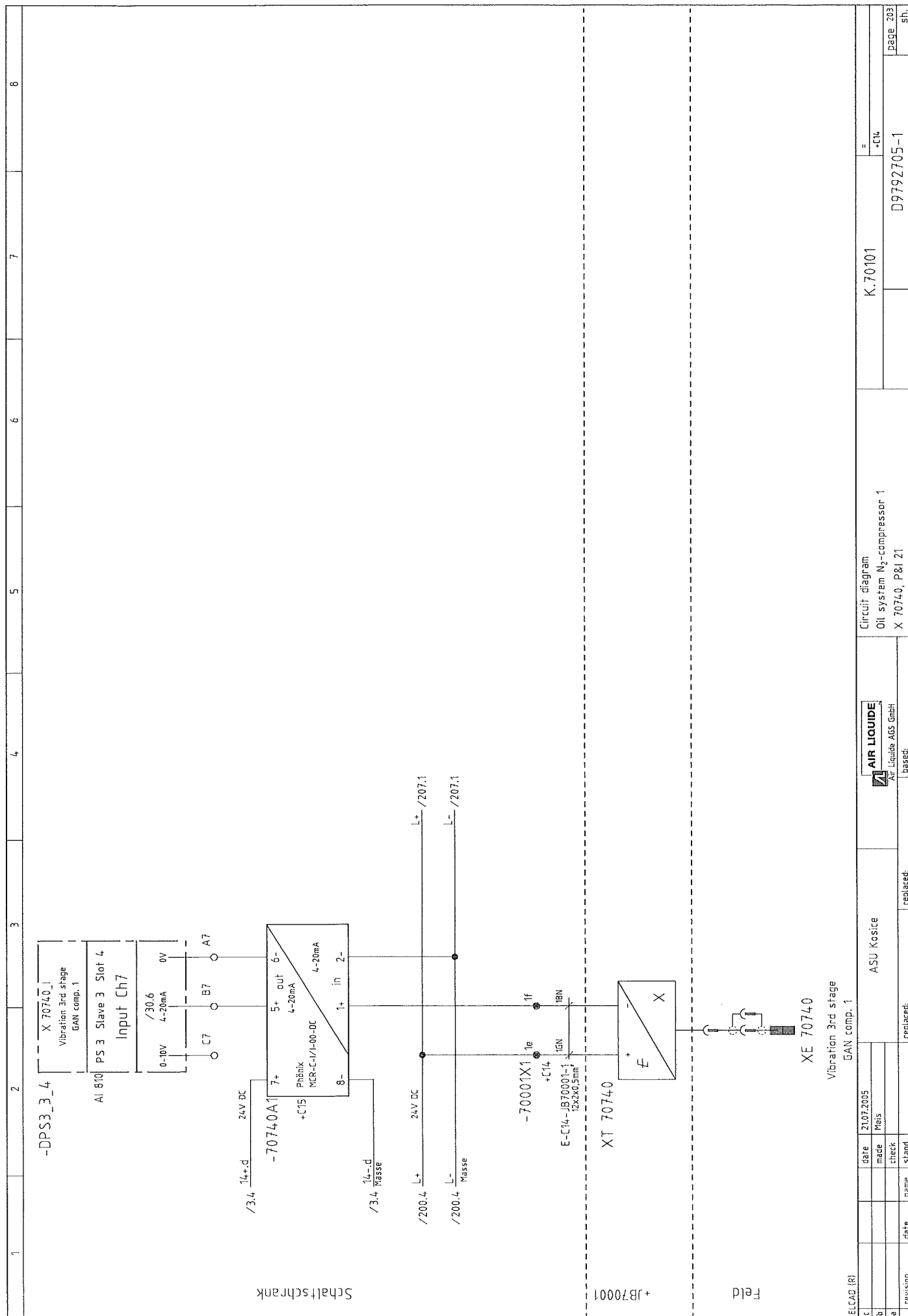
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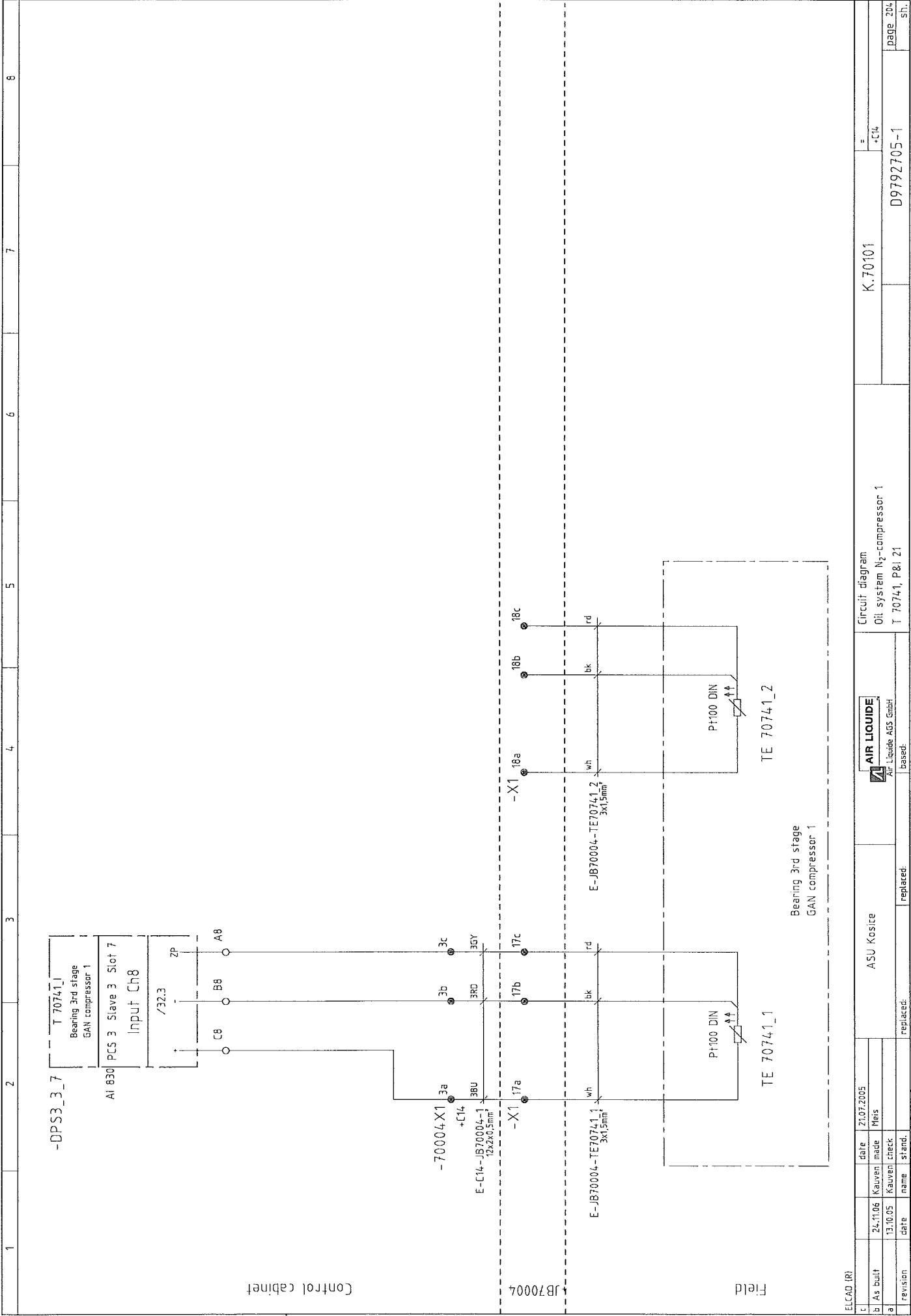












[illegible]

12345678

Control cabinet

-DPS3\_3\_8

T 70742\_1  
Bearing 4th stage  
GAN compressor 1

AI 030 PCS 3 Slave 3 Slot 8  
Input Ch1

/32.6

ZP

C1    B1    A1

-70004X1

E-C14-JB70004-2  
12x2x0.5mm

-X1

E-JB70004-TE70742\_1  
3x1.5mm

E-JB70004-TE70742\_2  
3x1.5mm

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

E-JB70004-TE70742\_1

Field

JB70004

E-JB70004-TE70742\_2

Control cabinet

-70004X1

E-C14-JB70004-2

-X1

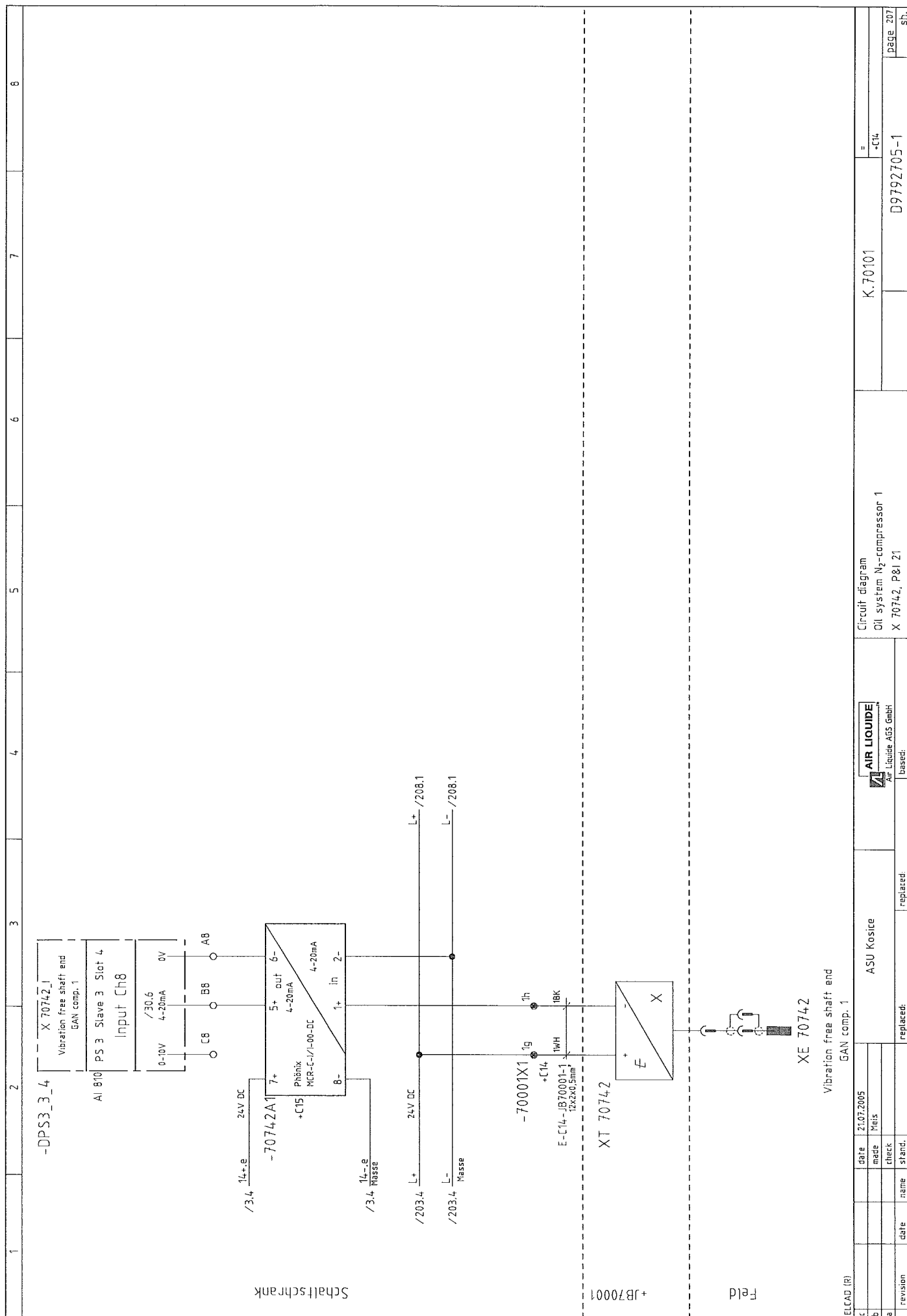
E-JB70004-TE70742\_1

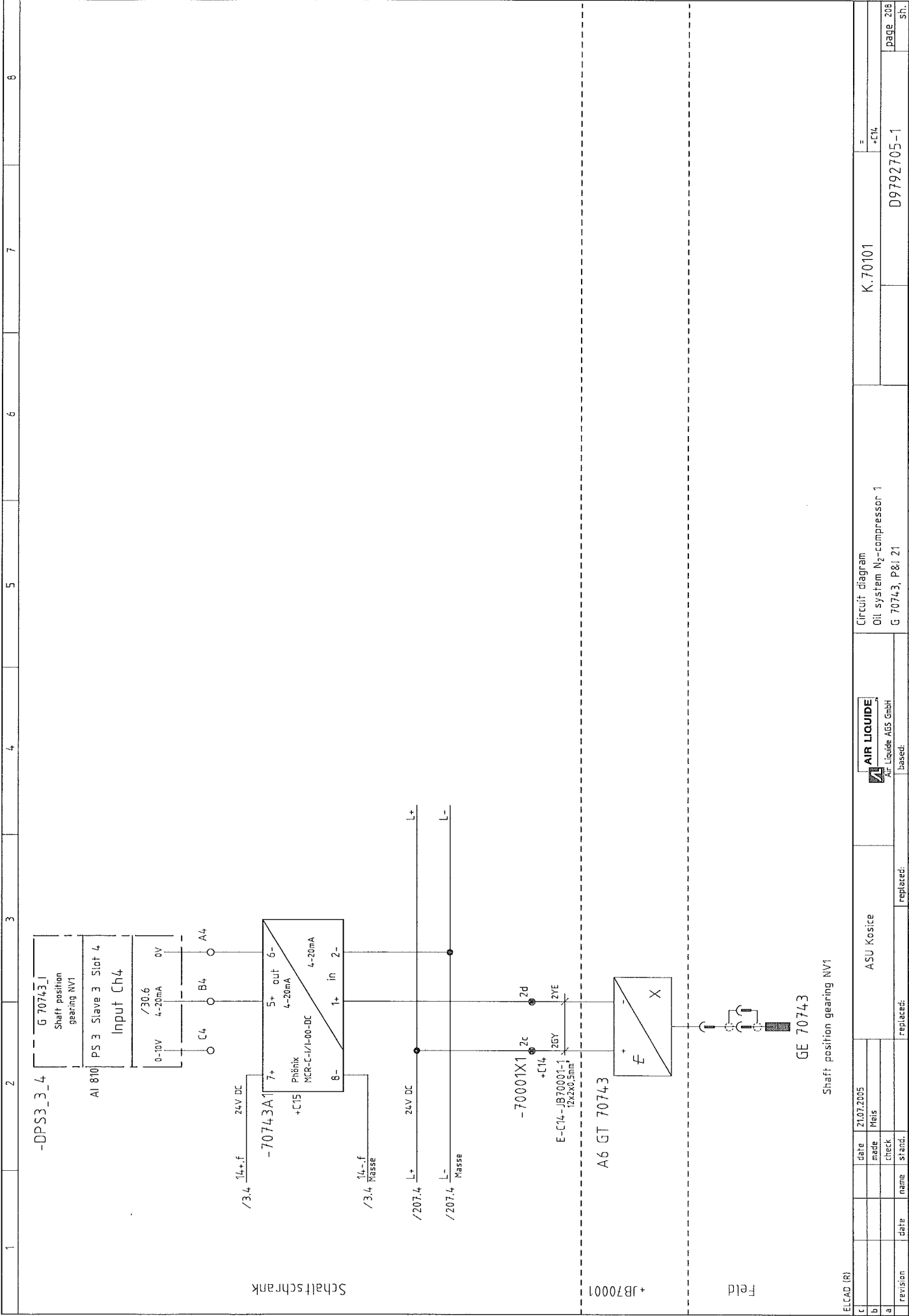
Field

JB70004

E-JB70004-TE70742\_2

Control cabinet</





ELCAD (R)

c

date

21.07.2005

b

made

Meis

a

check

revision

date

name

stand.

replaced:

replaced:

ASU Kosice

AIR LIQUIDE

Air Liquide AES GmbH

Circuit diagram

Oil system N<sub>2</sub>-compressor 1

G 70743, P&I 21

K.70101

=

+C14

D9792705-1

page 208

sh.

-DPS3\_3\_8

T 70743\_1

Bearing 4th stage

GAN compressor 1

AI 830

PCS 3 Slave 3 Slot 8

Input Ch2

/32.6

C2

B2

A2

-70004-X1

3e

+C14

E-C14-JB70004-1

12x2x0.5mm<sup>2</sup>

3EN

3f

3g

-X1

19a

19b

19c

wh

bk

rd

E-JB70004-TE70743\_1

3x1.5mm<sup>2</sup>

PH100 DIN

TE 70743\_1

-X1

20a

20b

20c

wh

bk

rd

E-JB70004-TE70743\_2

3x1.5mm<sup>2</sup>

PH100 DIN

TE 70743\_2

Bearing 4th stage

GAN compressor 1

Field

JB70004

Control cabinet

8

ELCAD (R)

c

24.11.06

Kauven

date

21.07.2005

Meis

b

As built

13.10.05

Kauven

date

21.07.2005

Meis

a

revision

13.10.05

Kauven

date

21.07.2005

Meis

replaced:

replaced:

replaced:

replaced:

ASU Kostice

Air LIQUIDE

Air Liquide AGS GmbH

based:

Circuit diagram

Oil system N<sub>2</sub>-compressor 1

T 70743, P8, 21

D9792705-1

page 209

sh.

The diagram illustrates the electrical control circuit for a seal gas system. It is divided into three main sections: Control cabinet, JB70002, and Field.

- Control cabinet:** Contains the main power supply **-DPS3\_3\_10** and the control unit **P 70753\_I** (Seal gas control). The control unit is connected to **DI 810** (PCS 3 Slave 3 Slot 10 Input Ch9) and a **/33.6** terminal. A **/187.4** terminal is also shown.
- JB70002:** Contains the **-70002X1** terminal block and the **E-C14-JB70002-1** (12x2x0.5mm) terminal block. It also features a **-XP8** terminal and a **+C14** terminal.
- Field:** Contains the **PSL70753** (Seal gas control) and the **E-JB70002-PL70753** (2x1.5mm) terminal block. It also features a **-X5** terminal and a **PE** terminal.

The circuit includes a **24V DC** power supply and a **24V DC** output. The diagram also shows a **Device** connected to the **-XP8** terminal and a **PTC B59990-C120-A70** component.

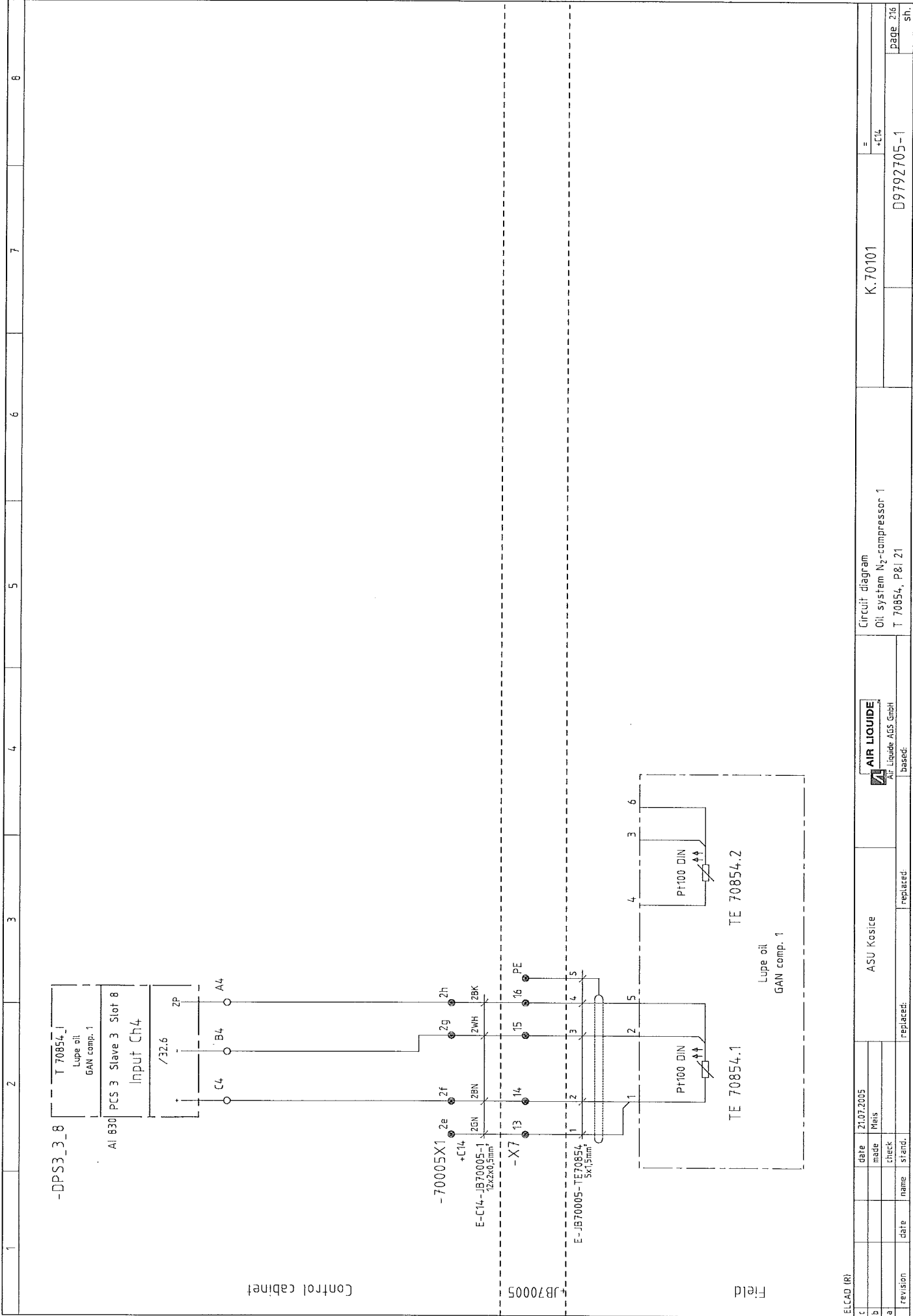






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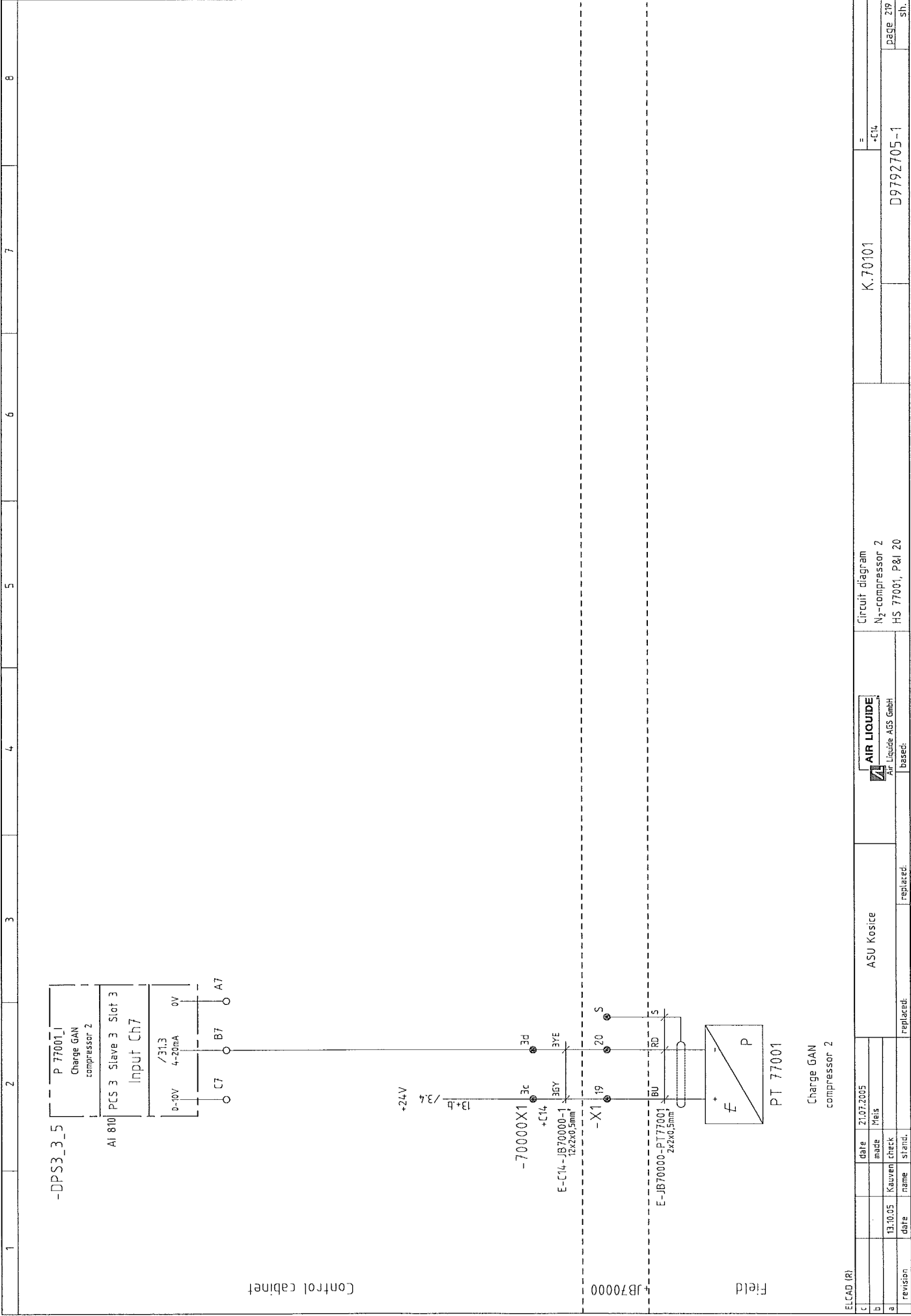
1		2	3	4	5	6	7	8
		Control cabinet						
		Field						
		JB70003						
		ELCAD (R)						
		Lube oil						
		GAN compressor 1						
		ASU Kosice						
		AIR LIQUIDE						
		Air Liquide AGS GmbH						
		based:						
		replaced:						
		date						
		21.07.2005						
		made						
		Kauven						
		check						
		13.10.05						
		date						
		name						
		stand						
		replaced:						
		name						
		date						
		13.10.05						
		check						
		Kauven						
		name						
		stand						
		replaced:						
		name						
		date						
		13.10.05						
		check						
		Kauven						
		name						
		stand						
		replaced:						
		name						
		date						
		13.10.05						
		check						
		Kauven						
		name						

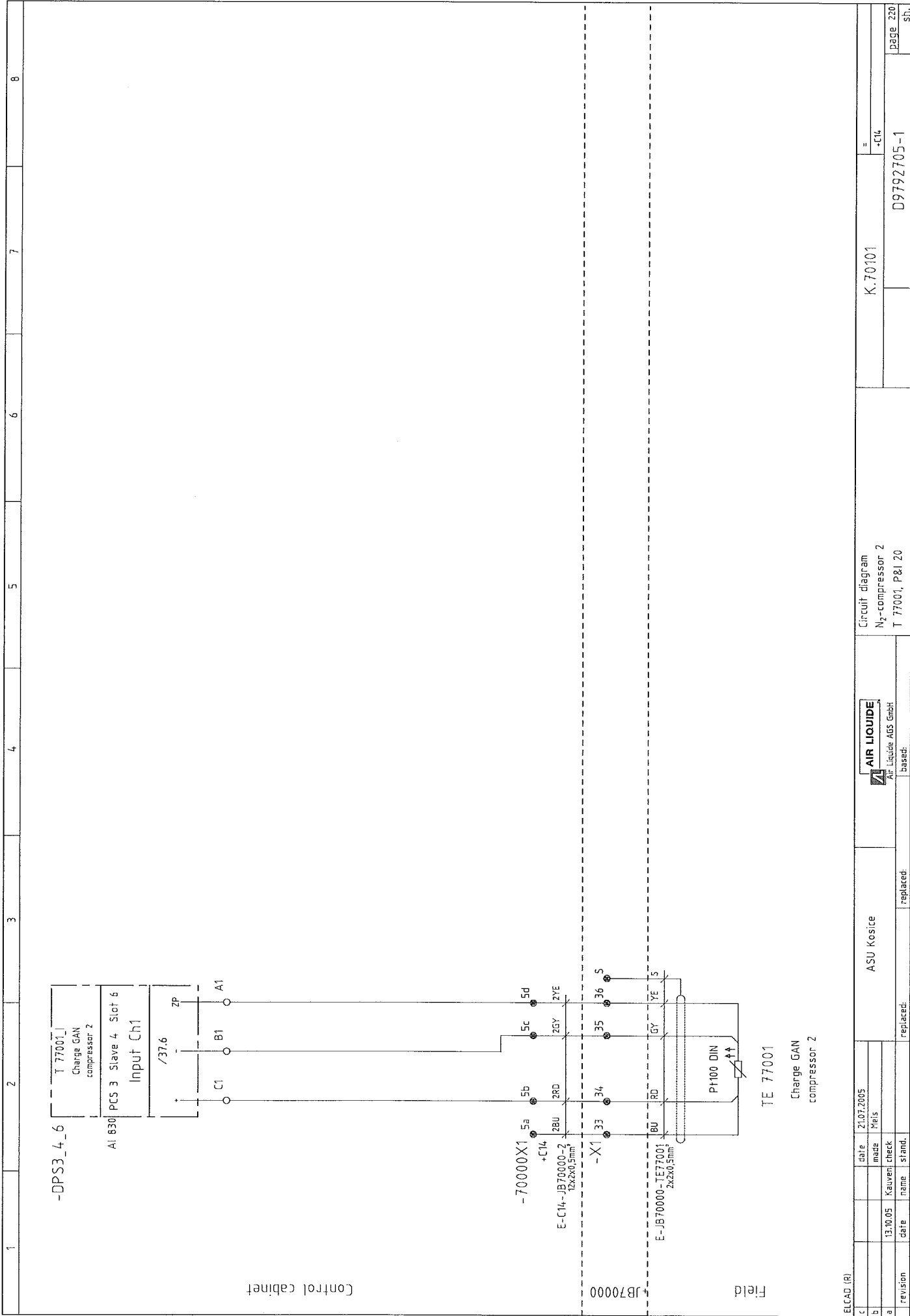


ELCAD (R)		date		21.07.2005		ASU Kosice		Circuit diagram		K.70101		=	
c		date	made	Meis				Oil system N <sub>2</sub> -compressor 1				+C14	
b		check						T 70854, P&I 21					
a	revision	date	name	stand.	replaced:	replaced:	based:						
												D9792705-1	
												page 2/6	
												sh.	



[illegible]





ELCAD (R)		ASU Kosice		Circuit diagram		K.70101		=			
c	date	21.07.2005		N <sub>2</sub> -compressor 2				-C14			
b	made	Meis		T 77001, P&I 20							
a	13.10.05	Kauwen	check								
revision		date	name	stand.	replaced:	replaced:	D9792705-1				
							page 220				
							sh.				

-DPS3\_4\_3

P 77007\_I  
Suction pressure

AI 800

PCS 3 Slave 4 Slot 3

Input Ch4

0-10V

/36.3

4-20mA

0V

C4

B4

A4

+24V

/L<sub>8</sub>

22+a

1a

1b

+C14

E-C14-JB77003-1

12x2x0.5mm

1BU

1BD

-X6

1

2

S

E-JB77003-PT77007

28x2x0.5mm

1BU

1RD

PT 77007

E

P

Field

Suction pressure

JB77003

ELCAD (R)

c

date

21.07.2005

b

made

Heis

a

revision

13.10.05

date

name

Kauveni check

ASU Kosice

replaced:

Circuit diagram

N<sub>2</sub>-compressor 2

P 77007, P&I 20

K.70101

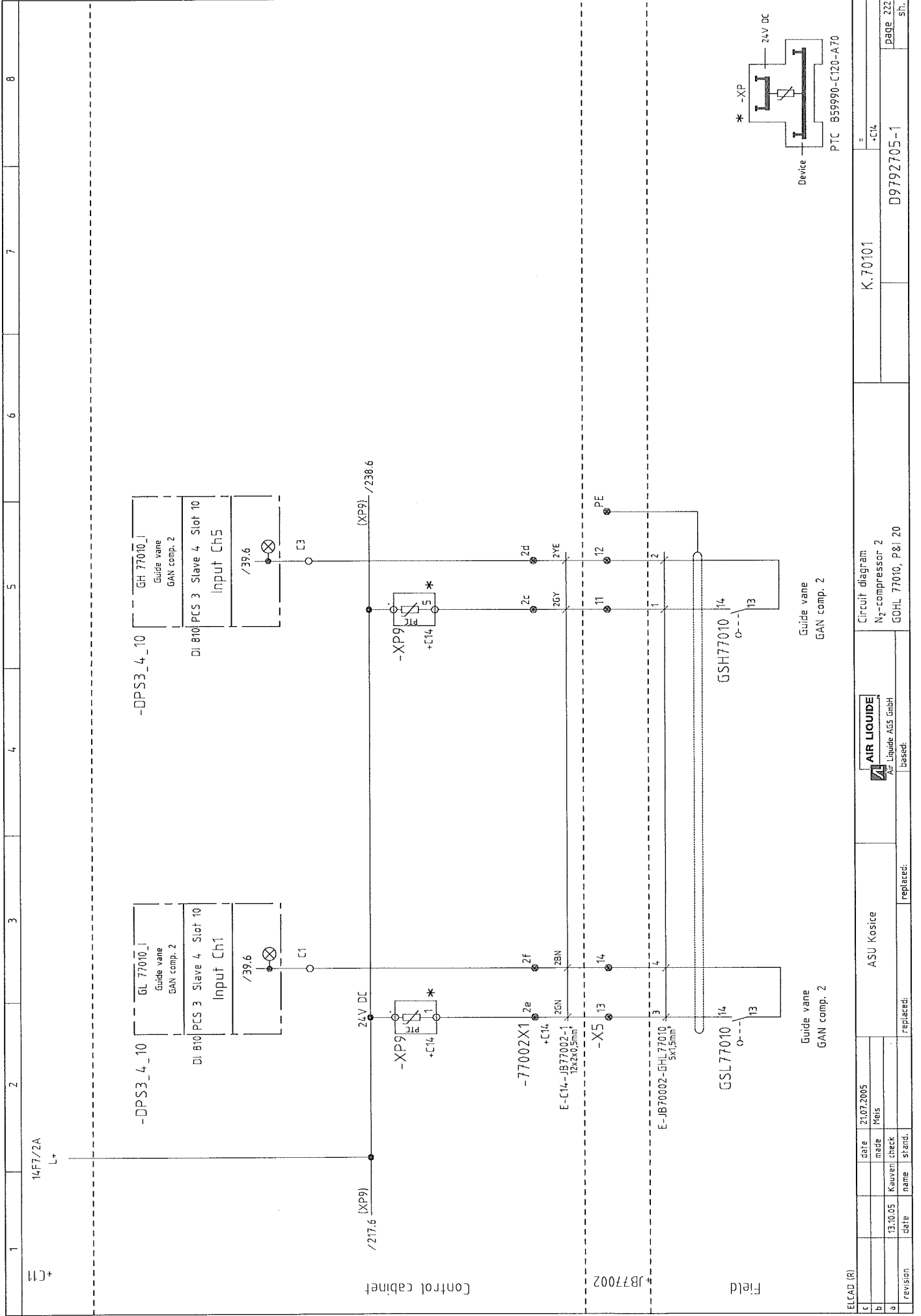
=

+C14

D9792705-1

page 221

sh.



ELCAD (R)		ASU Kosice		AIR LIQUIDE		Circuit diagram		K.70101		=		D9792705-1		page 222	
c	date	21.07.2005	made	Meis		N2-compressor 2									sh.
b	name	Kauven	check			GOHL 77010, P&I 20									
a	revision	13.10.05	stand.												
		replaced:		replaced:		based:									

[illegible]

Control cabinet

Field

-DPS3\_4\_3

P 77015\_1  
GAN behind  
cooler 1st stage

AI 810 PCS 3 Slave 4 Slot 3  
Input Ch5

0-10V 4-20mA 0V

36.3

0-10V 4-20mA 0V

C5 B5 A5

+24V

22+5

8

-77003X1

1c 1d

+C14

E-C14-JB77003-1  
12x2x0.5mm

1GY 1YE

-X6

3 4

PE

E-JB77003-PT77015  
2x1.5mm

1 2 3

PT 77015

GAN behind  
cooler 1st stage

ASU Kosice

date 21.07.2005  
made Meis

13.10.05 Kauen check  
date name stand.

replaced:

replaced:

AIR LIQUIDE  
Air Liquide AGS GmbH  
based:

Circuit diagram  
N<sub>2</sub>-compressor 2  
P 77015, P81 20

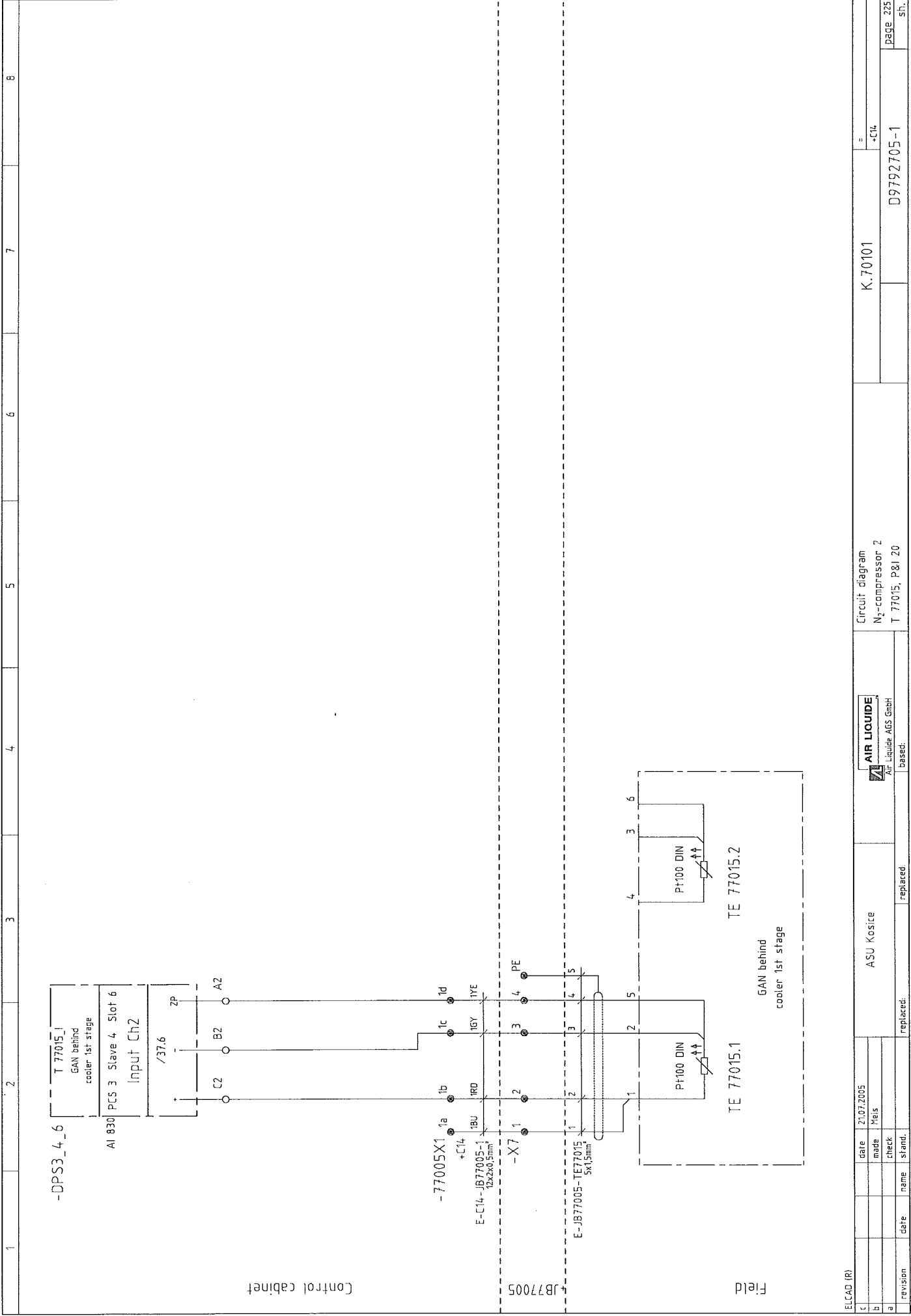
K.70101

=  
-C14

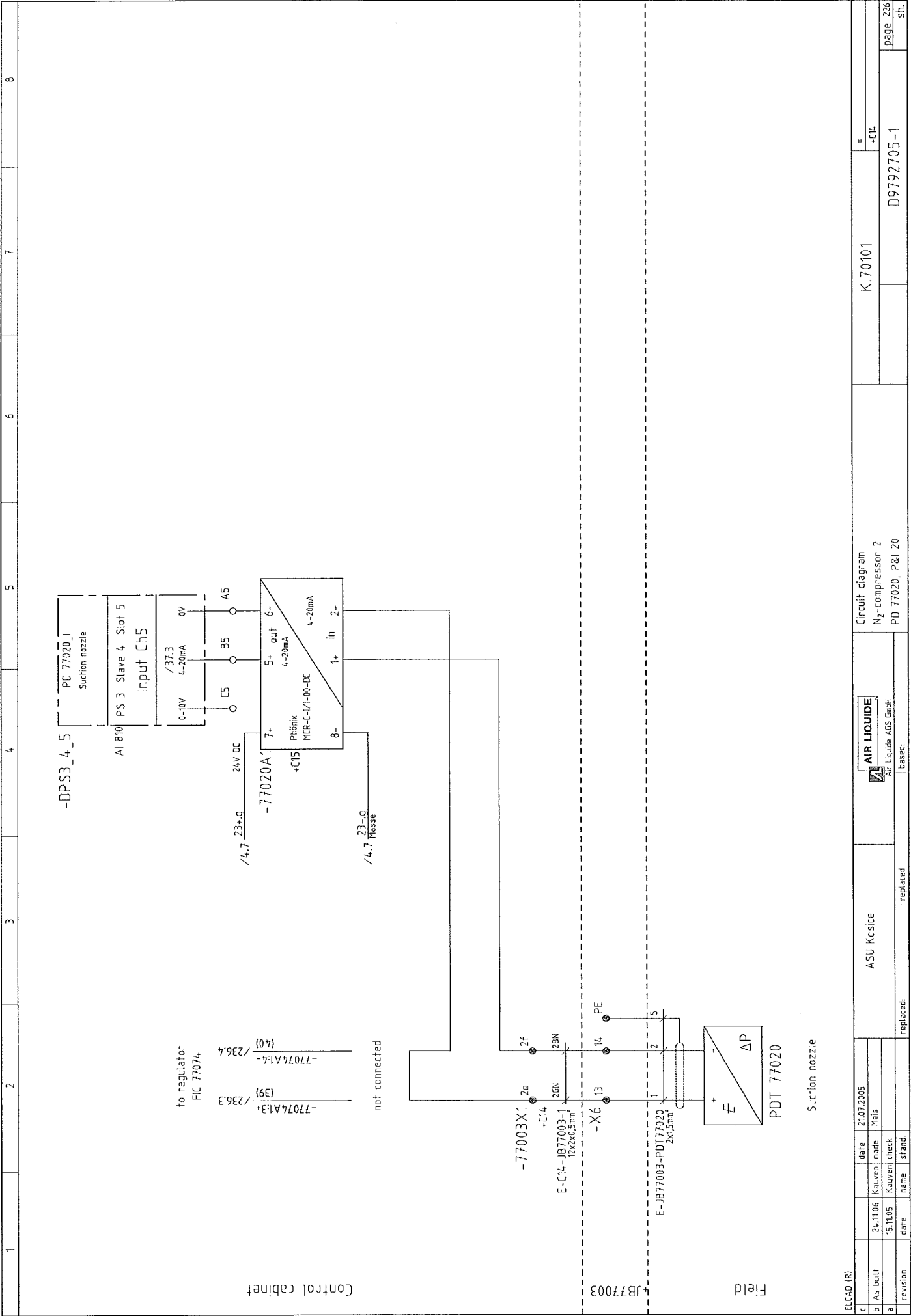
09792705-1

page 224  
ST.

ELCAD (R)



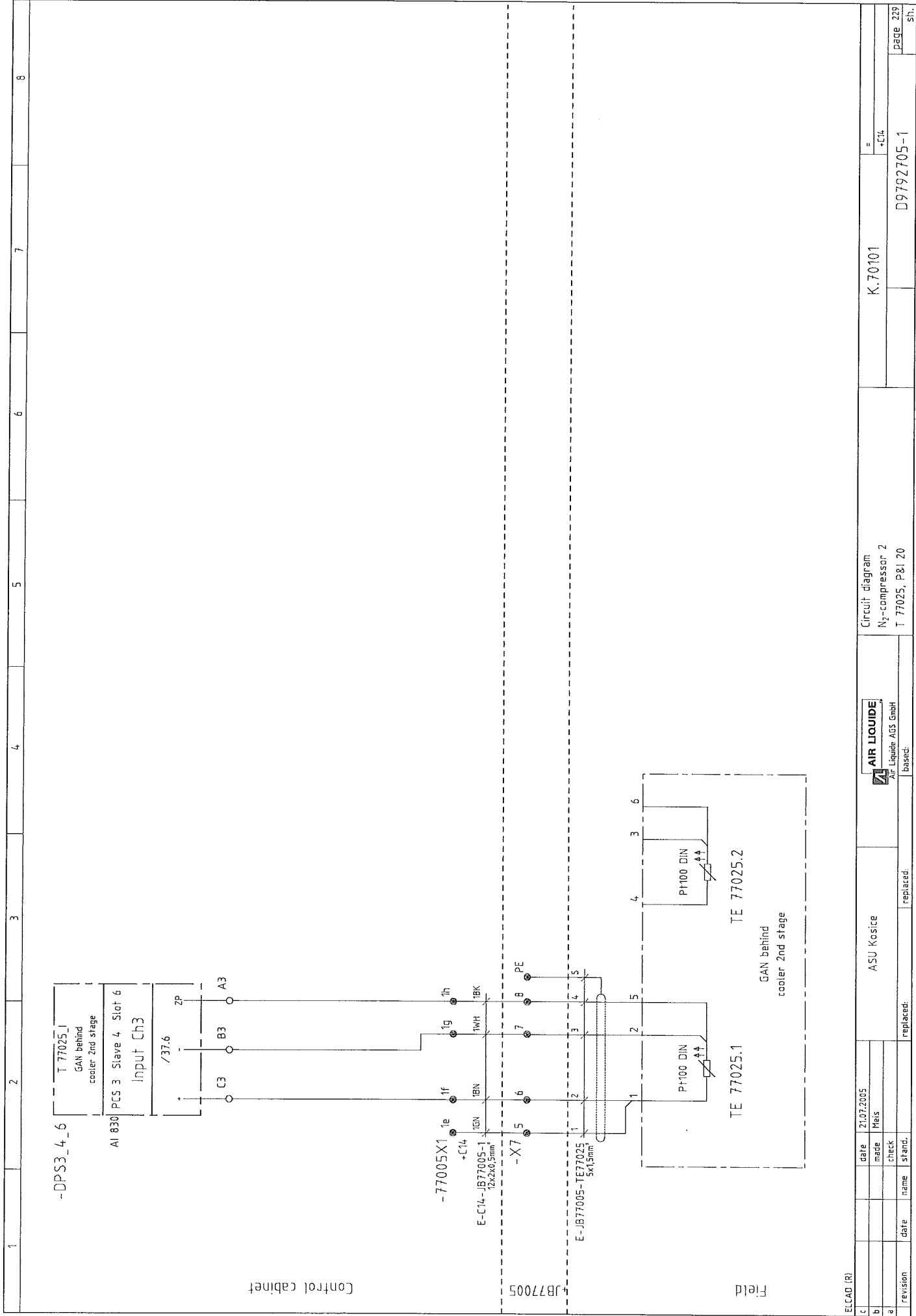
ELCAD (R)		date		21.07.2005	ASU Kosice		Circuit diagram		K.70101		=	
c	date	21.07.2005	made	Mds			N <sub>2</sub> -compressor 2				+C14	
b	check		check				T 77015, P&I 20					
a	revision	date	name	stand.	replaced:	replaced:			D9792705-1		page 225	
											sh.	

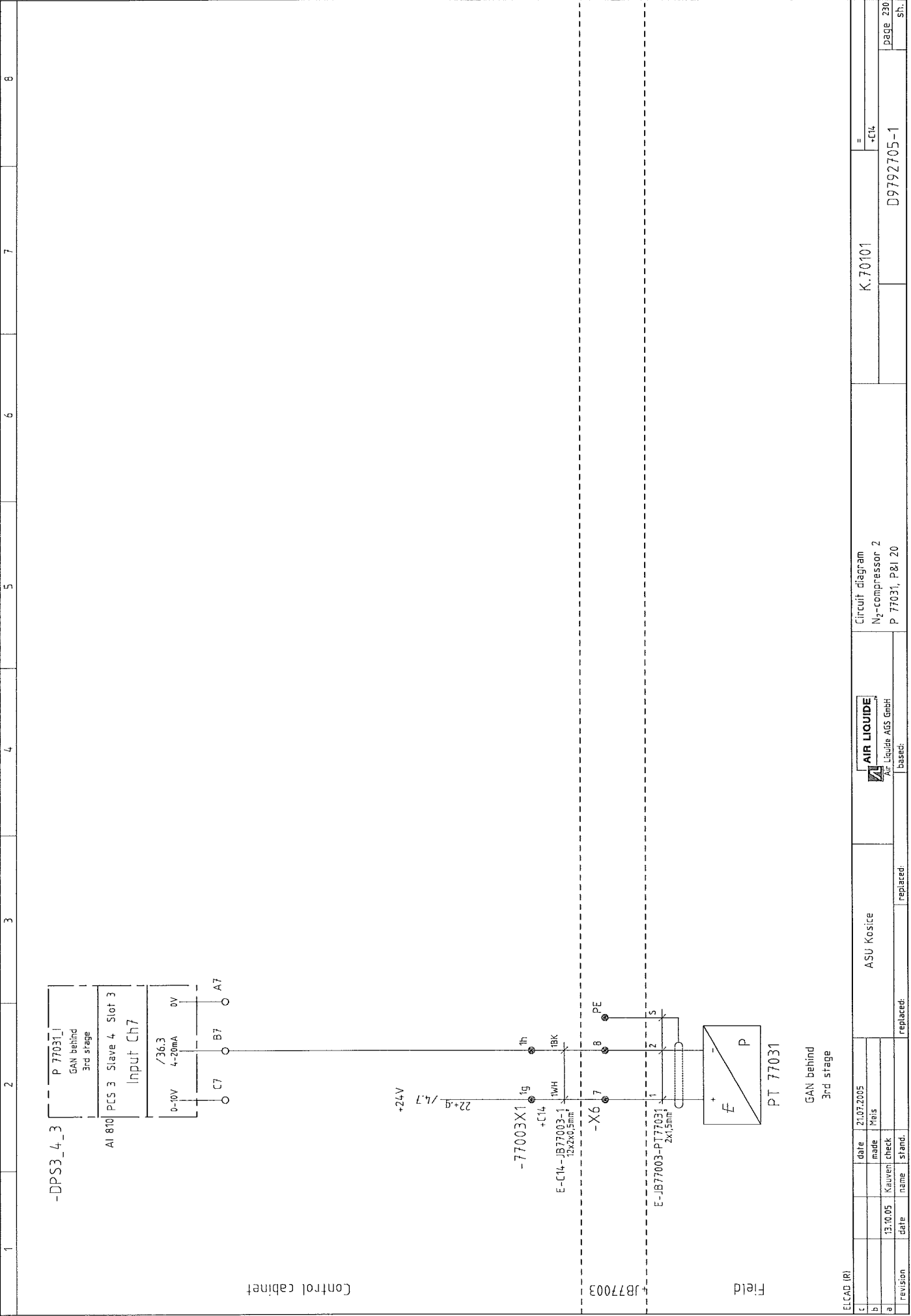


ELCAD (R)		ASU Kosice		AIR LIQUIDE		Circuit diagram		K.70101		=	
c	As built	24.11.05	Kauven	made	15.11.05	N <sub>2</sub> -compressor 2	PD 77020, P&I 20	D9792705-1		+C14	
b	As built	24.11.05	Kauven	check	15.11.05	based:					
a	revision	date	name	stand.	replaced:						



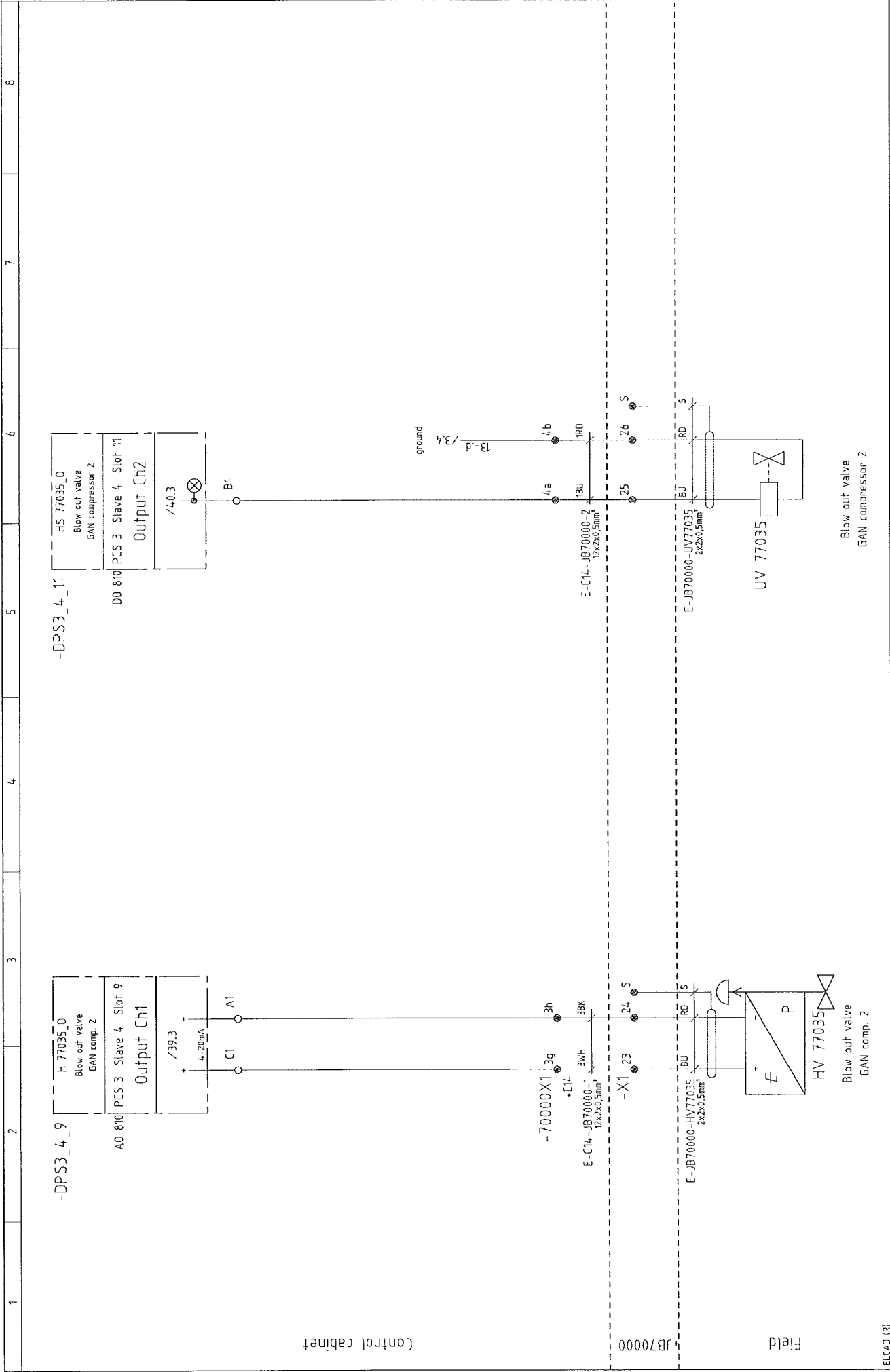
[illegible]






ELCAD (R)		ASU Kosice		AIR LIQUIDE		Circuit diagram		K.70101		=	
c	date	21.07.2005	made	Mis			N <sub>2</sub> -compressor 2			+C14	
b	date	13.10.05	check	Kauven			P 77031, P81 20				
a	revision		name	stand.	replaced:	replaced:					
GAN behind 3rd stage										D9792705-1	
										page 230	
										sh.	





c		date	21.07.2005	ASU Kosice	<div> AIR LIQUIDE</div> <div>Air Liquide AGS GmbH</div>	Circuit diagram N <sub>2</sub> -compressor 2 H 77035, P&I 20	K.70101	= +C14	page 232
b		made	Mals						
a		check	Kauven						
revision	date	name	stand.	replaced:	replaced:		D9792705-1		sh.

The diagram illustrates the electrical and mechanical connections for the GAN behind cooler 3rd stage. It is divided into two main sections: the Control cabinet and the Field.

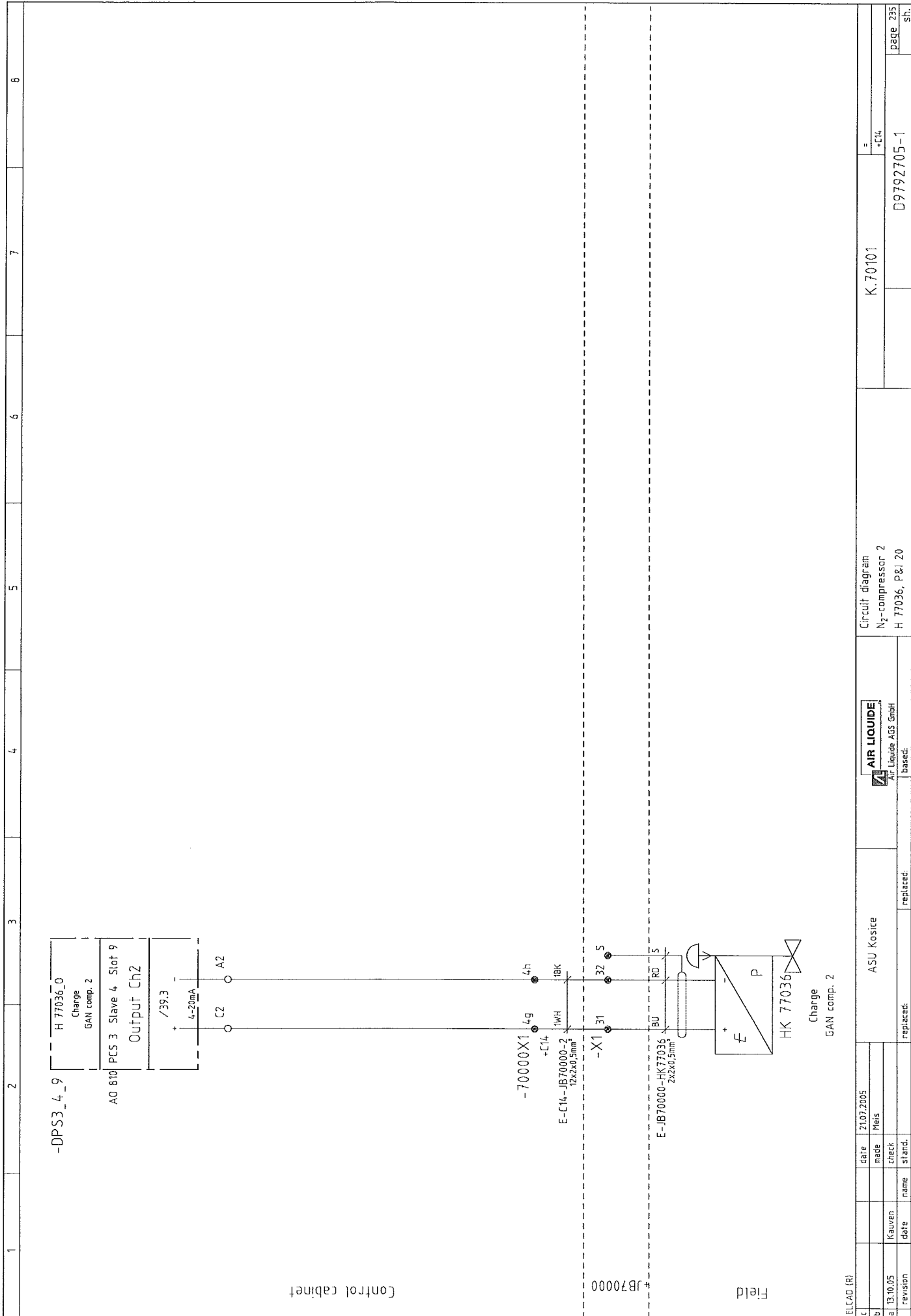
**Control cabinet:**

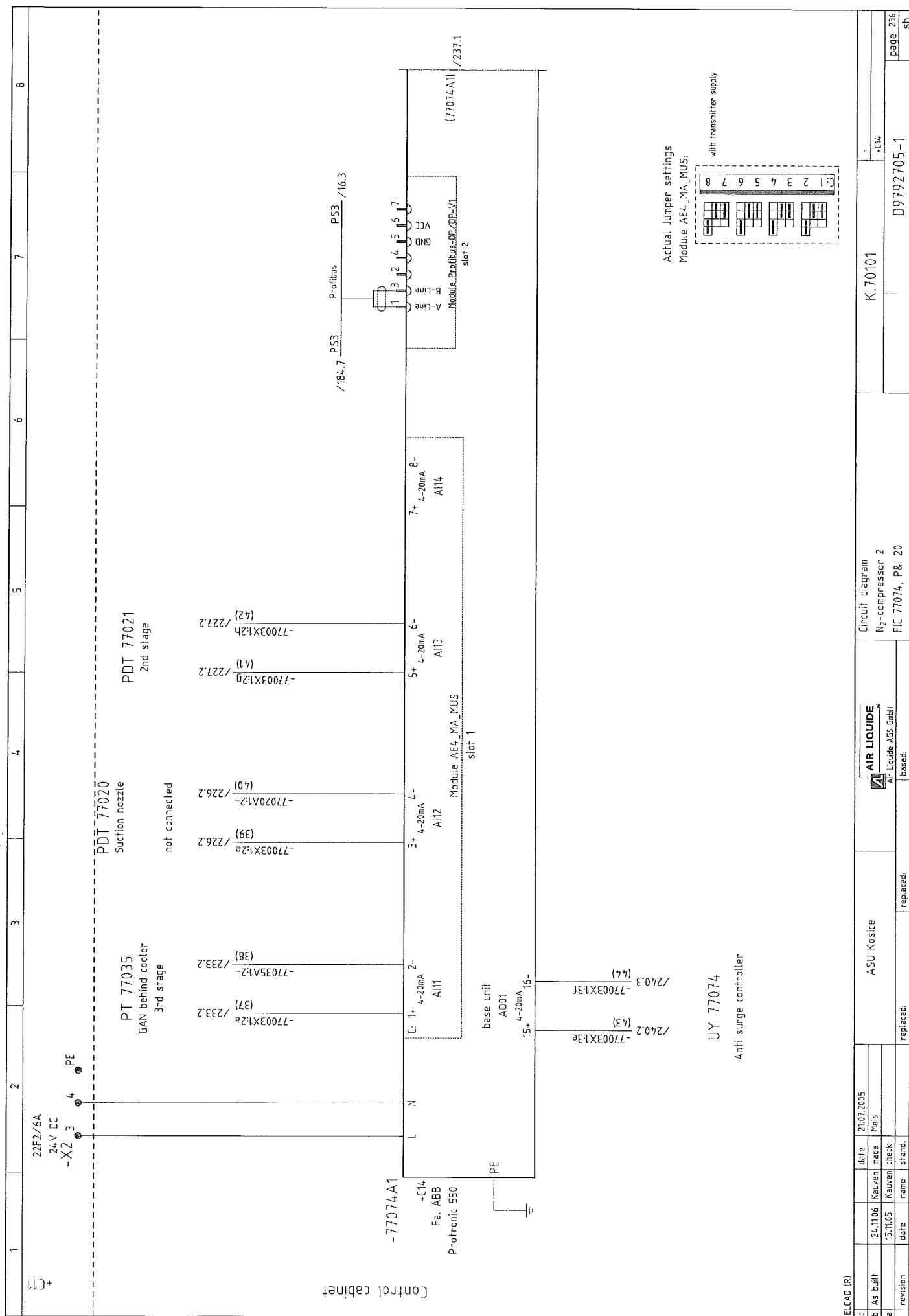
- DPS3\_4\_5:** A regulator labeled "GAN behind cooler 3rd stage".
- PS 3 Slave 4 Slot 5 Input Ch4:** A power supply unit with a 0-10V output, a 4-20mA output, and a 0V output.
- 77035A1:** A component with a 7+ input, a 5+ output (4-20mA), a 6- output (4-20mA), and a 1+ input (2- output).
- Wiring:** The 7+ input is connected to the 0-10V output of the PS 3 Slave 4 Slot 5 Input Ch4. The 5+ output is connected to the 4-20mA output of the PS 3 Slave 4 Slot 5 Input Ch4. The 6- output is connected to the 2- output of the -77035A1. The 1+ input is connected to the 4-20mA output of the PS 3 Slave 4 Slot 5 Input Ch4.

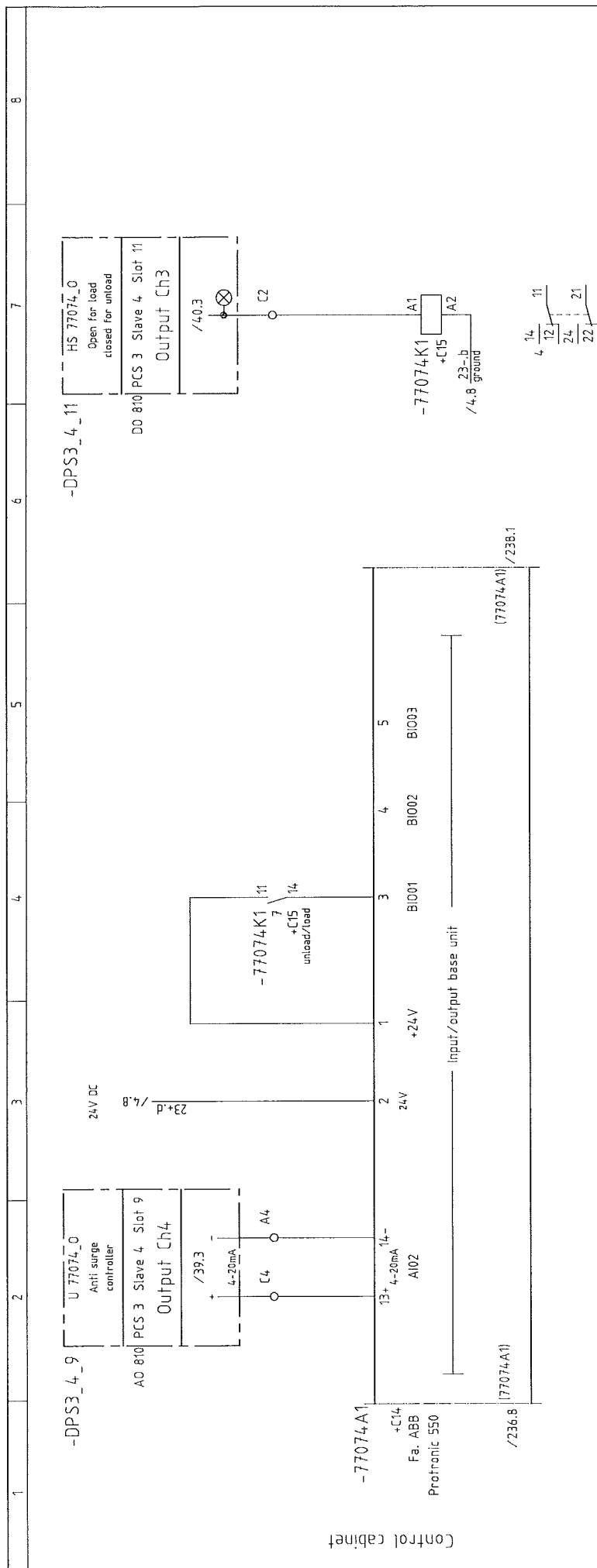
**Field:**

- PT 77035:** A compressor with a condenser and an evaporator.
- Wiring:** The condenser is connected to the 1+ input of the -77035A1. The evaporator is connected to the 2- output of the -77035A1.







[illegible]

[illegible]



1	2	3	4	5	6	7	8
Control cabinet							
<p>-DPS3_4_5</p>							
<p>from regulator FIC 77074</p>							
<p>E-C14-JB77003-1 12x20.5mm<sup>2</sup></p>							
<p>E-JB77003-GT77074 5x1.5mm<sup>2</sup></p>							
<p>Field</p>							
<p>ELCAD (R)</p>							
c	date	21.07.2005	ASU Kosice	AIR LIQUIDE	Circuit diagram	K.70101	=
b	made	Melis		N <sub>2</sub> -compressor 2			+CL4
a	revision	13.10.05	replaced:	replaced:	U/G 77074, P&I 20	D9792705-1	page 240 sh

[illegible]

[illegible]