


$\pm 0,000 = 207,650 \text{ m n.m.}$

SOUŘADNICOVÝ SYSTÉM: JTSK
VÝŠKOVÝ SYSTÉM: BALT p.v.

Č. REVIZE: REVISION NO.:	DATUM VYDÁNÍ: DATE OF ISSUE:	POPIS REVIZE: DESCRIPTION OF THE REVISION:	VYPRACOVAL: ELABORATED BY:

<div>GENERÁLNÍ PROJEKTANT: GENERAL DESIGNER:</div> <div></div> <div>K4 a.s.</div> <div>Kociánka 8/10, 612 00 Brno tel.: +420 541 126 611 fax.: +420 541 126 610 e-mail: brno@k4.cz www.k4.cz</div>	INVESTOR : CLIENT: JIHOMORAVSKÝ KRAJ, zastoupený Mgr. Michalem Haškem, hejtmanem Brno, Žerotínovo nám. 3/5, PSČ 601 82		AUTORIZACE: AUTHORIZED BY:			
	OBJEDNATEL: PROJECT MANAGER: JIHOMORAVSKÝ KRAJ, zastoupený Mgr. Michalem Haškem, hejtmanem Brno, Žerotínovo nám. 3/5, PSČ 601 82					
	SUBDODAVATEL: SUBCONTRACTOR:		ČÍSLO PARÉ: DOCUMENT SET NUMBER:			
NÁZEV AKCE: TITLE:	MORAVIAN SCIENCE CENTRE BRNO		MANAŽER PROJEKTU: PROJECT DIRECTOR:		Ing. Jiří Hejnl	
			ARCHITEKT: ARCHITECT:		Ing. arch. Zdena Němcová	
			HLAVNÍ INŽENÝR: CHIEF PROJECT MANAGER:		Ing. Marek Svoboda	
			PROJEKTANT: DESIGNER:		Ing. Daniel Kufa	
			ZAKÁZKA Č.: CONTRACT NO.:		837	ODDÍL: 05 PART:
STAVEBNÍ OBJEKT: BUILDING PART:	SO 01 Modernizace objektu MSCB		DATUM: DATE:		únor 2011	
			MĚŘÍTKO: SCALE:			
OBCHODNÍ SOUBOR: PACKAGE:	F1.1.4 Zařízení pro měření a regulaci		STUPEŇ PD: PROJECT STATUS:		DPS	
			KÓD DOKUMENTACE: CODE:		F1.1.4	
OBSAH: CONTENT:	Schéma rozvaděče DT2		ČÍSLO VÝKRESU: DRAWING NUMBER:		REVIZE: REVISION:	
			0837_05_02_105_00			

ROZVADĚČ DT2

DRUH ROZVADĚČE : SKŘÍŇOVÝ ROZVADĚČ

ROZMĚRY : VxŠxH : cca 1800x2000x400 (upřesní dodavatel rozváděče dle
: 2 POLE prostorového rozmístění přístrojů
v rozváděči a dle svého sortimentu)

PŘÍVOD A VÝVODY : NAHORU

KRYTÍ : IP43/00

BARVA : KOMAXIT RAL 7035

VÝKONOVÁ BILANCE:

INSTALOVANÝ PŘÍKON (P_i) : 34 kW

SOUČINITEL ZATÍŽENÍ (β) : 1,0

SOUDOBÝ VÝKON (P_p) : 34 kW

JMENOVITÝ PROUD : $I_n=90$ A

PROUDOVÁ SOUSTAVA : 3+PEN/3+N+PE, 50Hz, 3x400/230V, TN-C/TN-S

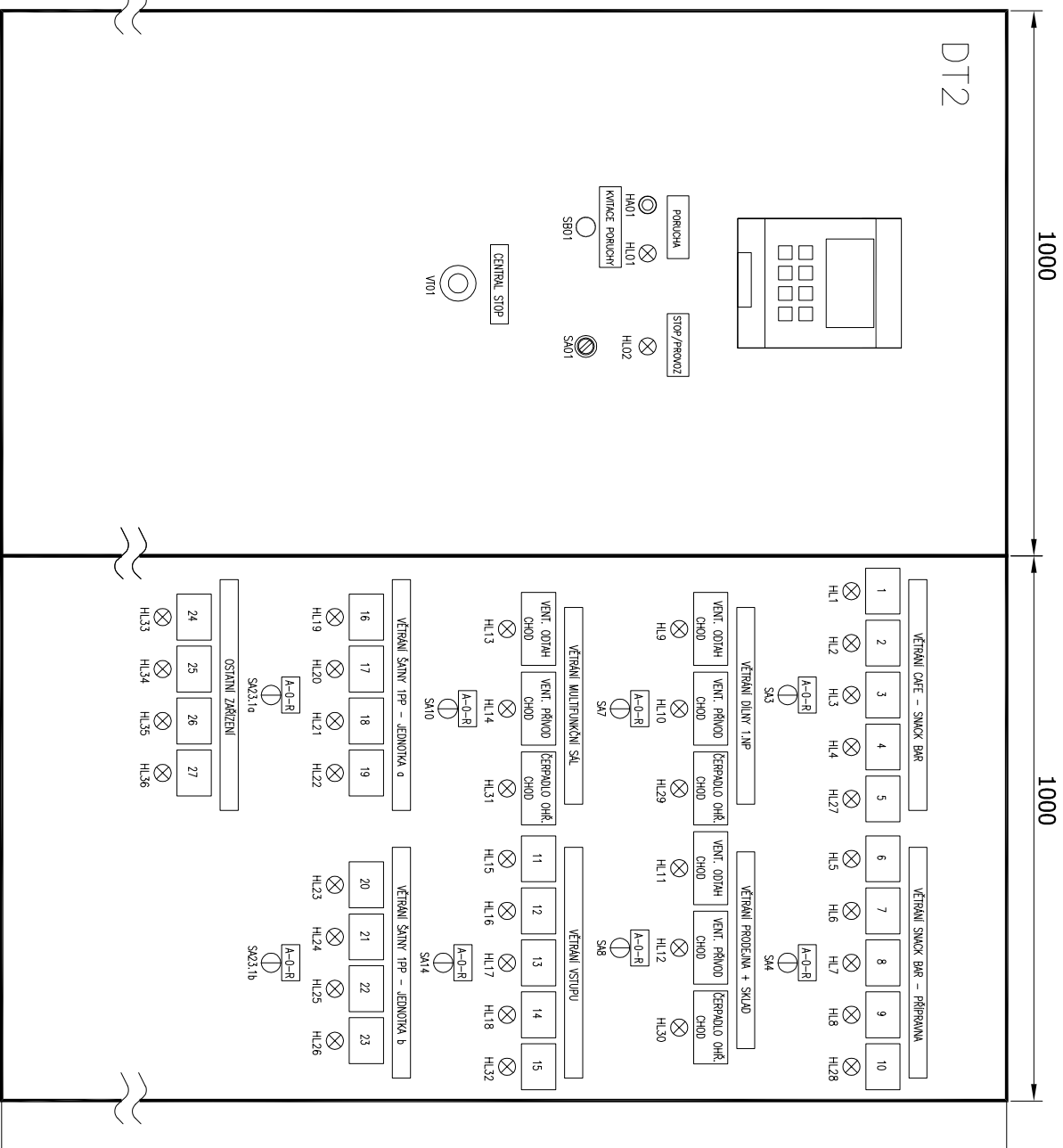
OCHRANA DLE IEC 364-4-41:

ZÁKLADNÍ: AUTOMATICKÝM ODPOJENÍM OD ZDROJE

ZVÝŠENÁ: MALÝM NAPĚTÍM

VÝSTRAŽNÉ TABULKY:

- POZOR NAPĚTÍ ŽIVOTU NEBEZPEČNÉ
- NEHAS VODOU ANI PĚNOVÝMI PŘÍSTROJI
- FAZ, FAS – "POD NAPĚTÍM I PŘI VYPNUTÉM HL. VYP."
- VYBRANÉ SVORKY NA SVORKOVNICI X4 OZNAČIT "POZOR, NAPĚTÍ Z CIZÍHO ROZVADĚČE"



Typ : SKŘIŇOVÝ ROZVÁDEČ ozn. DT2, 2 POLE
ROZMĚRY VxŠxH: cca 1800x2000x400 mm
(úpravní výrobce rozváděče dle svého sortimentu)

KRYTÍ IP43/IP00
PŘÍVOD SHORA
VÝVODY NAHORU

NAPĚŤOVÁ SOUSTAVA: 3+PEN/3+N+PE, 50Hz, 3x400/230V, TN-C/TN-S
OVLÁDACÍ NAPĚTÍ 1 230 V AC

22-24 V DC AC

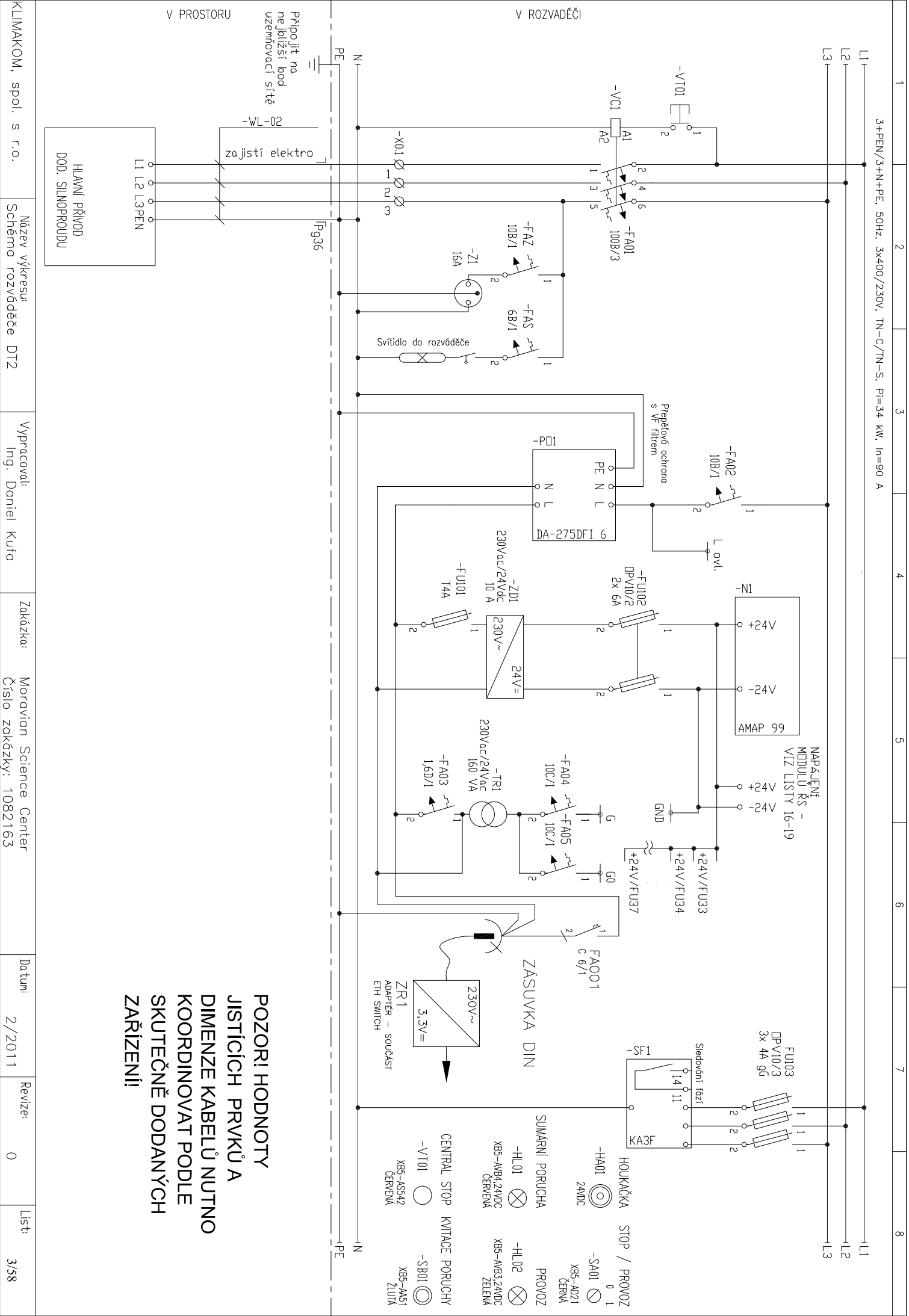
OCHRANA PŘED NEBEZPEČNÝM

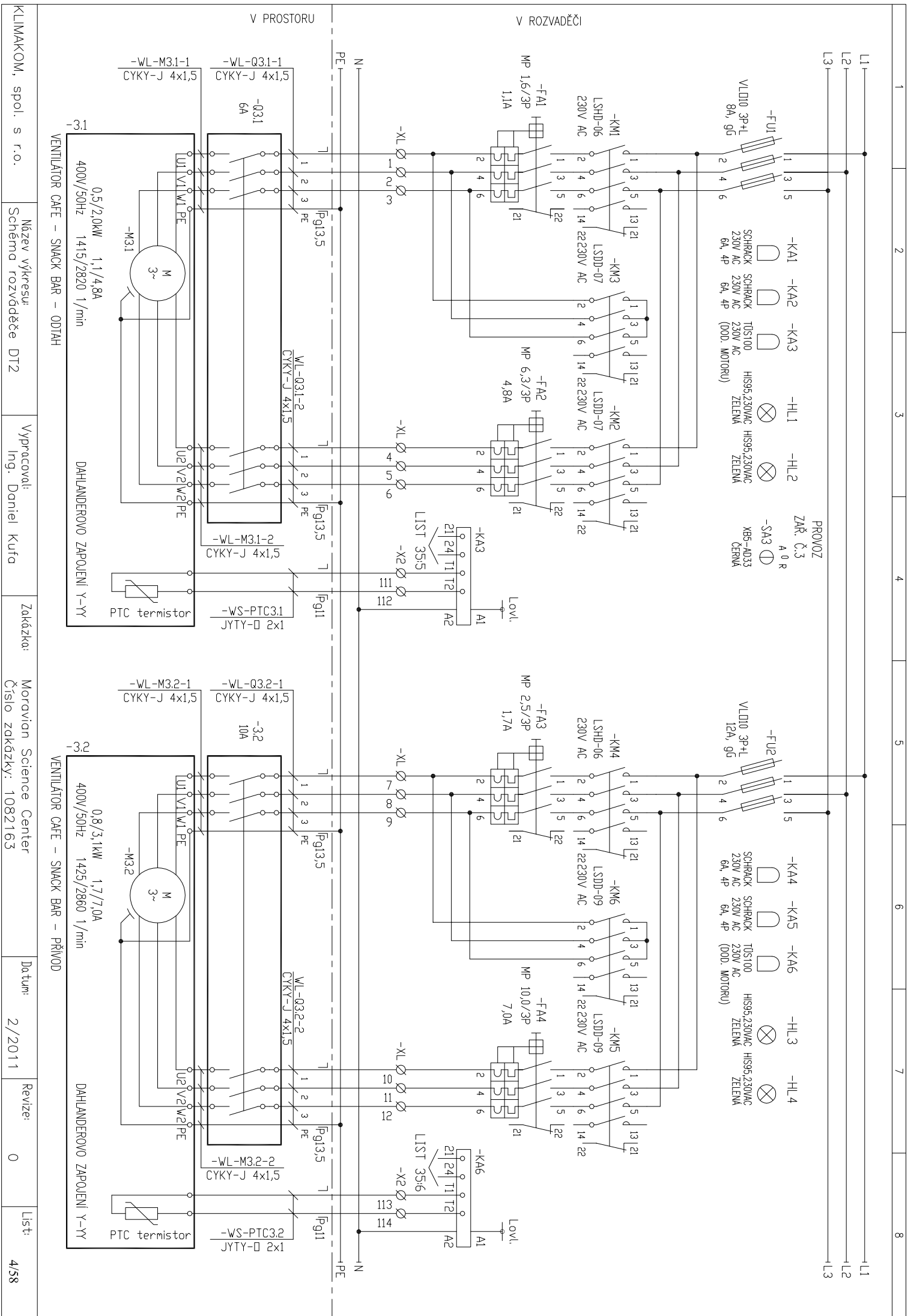
DOTYKOVÝM NAPĚTÍM
SAMOČINNÝM ODPOJENÍM OD ZDROJE
DLE ČSN 332000-4-41

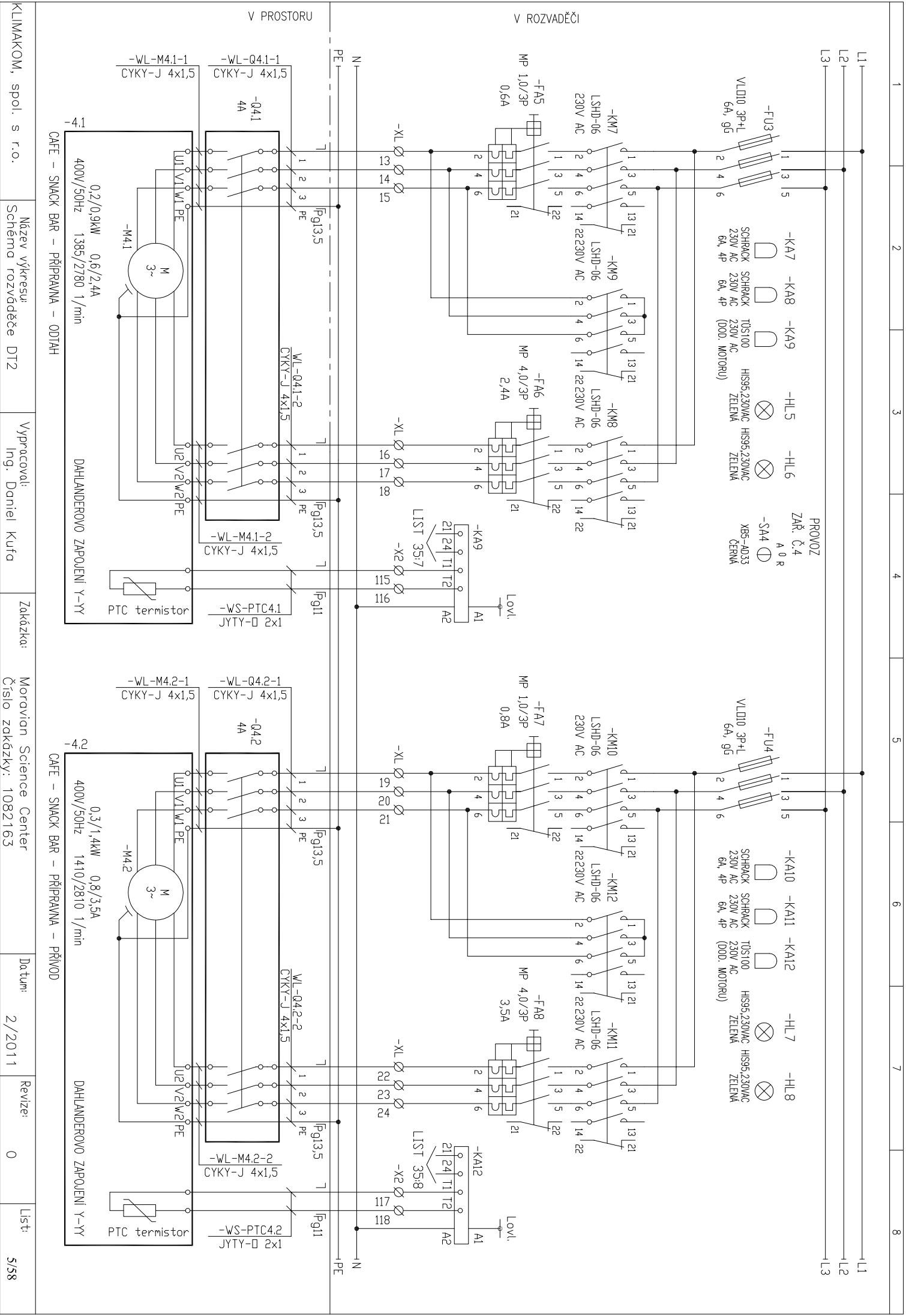
NÁPISY NA ŠTÍTKY:

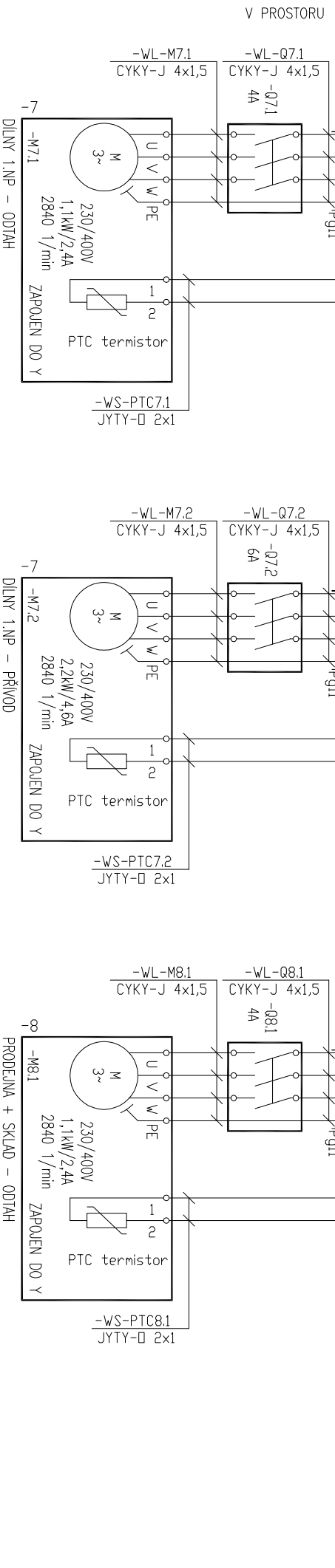
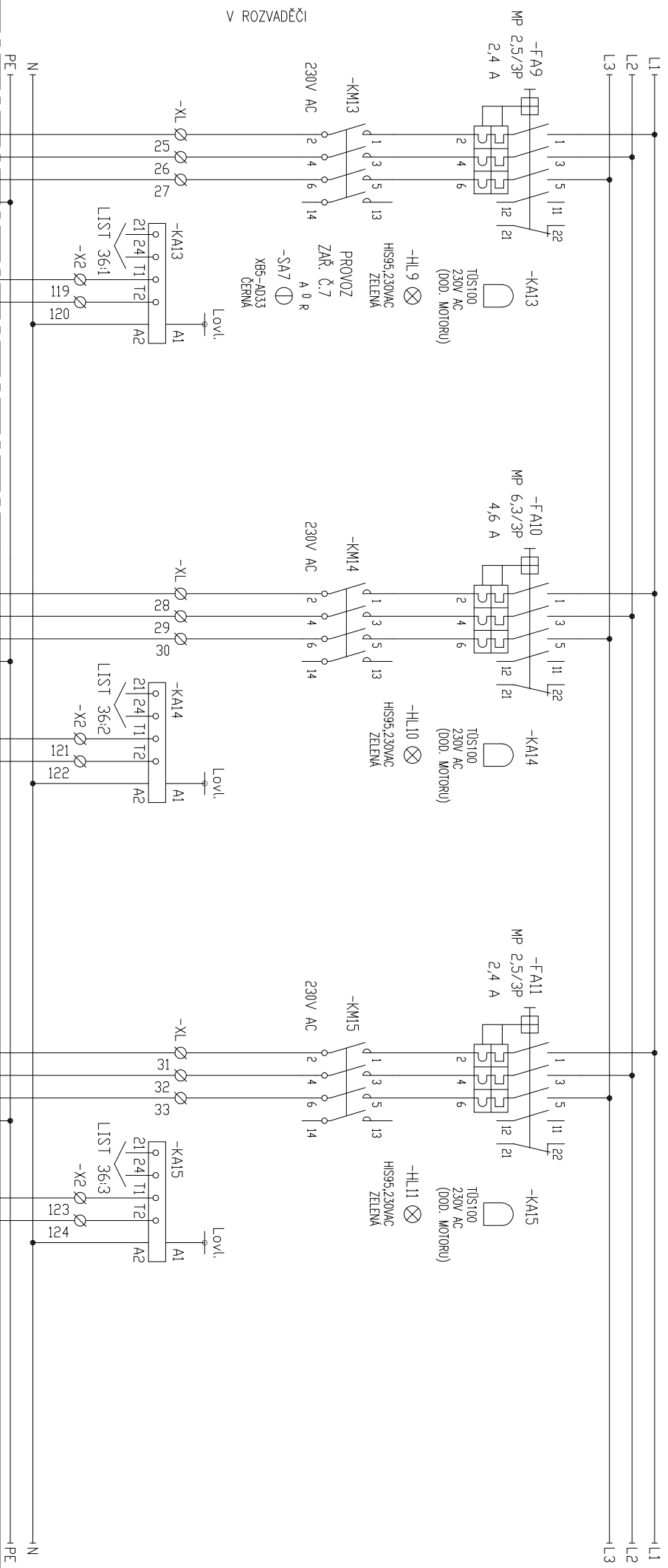
1	VENT. OOTAH NIZKE OTACKY	6	VENT. OOTAH NIZKE OTACKY	11	VENT. OOTAH NIZKE OTACKY	16	VETRAVI 1. STUPEN	21	VETRAVI 2. STUPEN
2	VENT. OOTAH VYSKE OTACKY	7	VENT. OOTAH VYSKE OTACKY	12	VENT. OOTAH VYSKE OTACKY	17	VETRAVI 2. STUPEN	22	VETRAVI 3. STUPEN
3	VENT. PRNOD NIZKE OTACKY	8	VENT. PRNOD NIZKE OTACKY	13	VENT. PRNOD NIZKE OTACKY	18	VETRAVI 3. STUPEN	23	EL. OHRAAC CHOD
4	VENT. PRNOD VYSKE OTACKY	9	VENT. PRNOD VYSKE OTACKY	14	VENT. PRNOD VYSKE OTACKY	19	VENT. PRNOD VYSKE OTACKY		
5	VEEPALO OHR. CHOD	10	VEEPALO OHR. CHOD	15	VEEPALO OHR. CHOD	20	EL. OHRAAC CHOD		

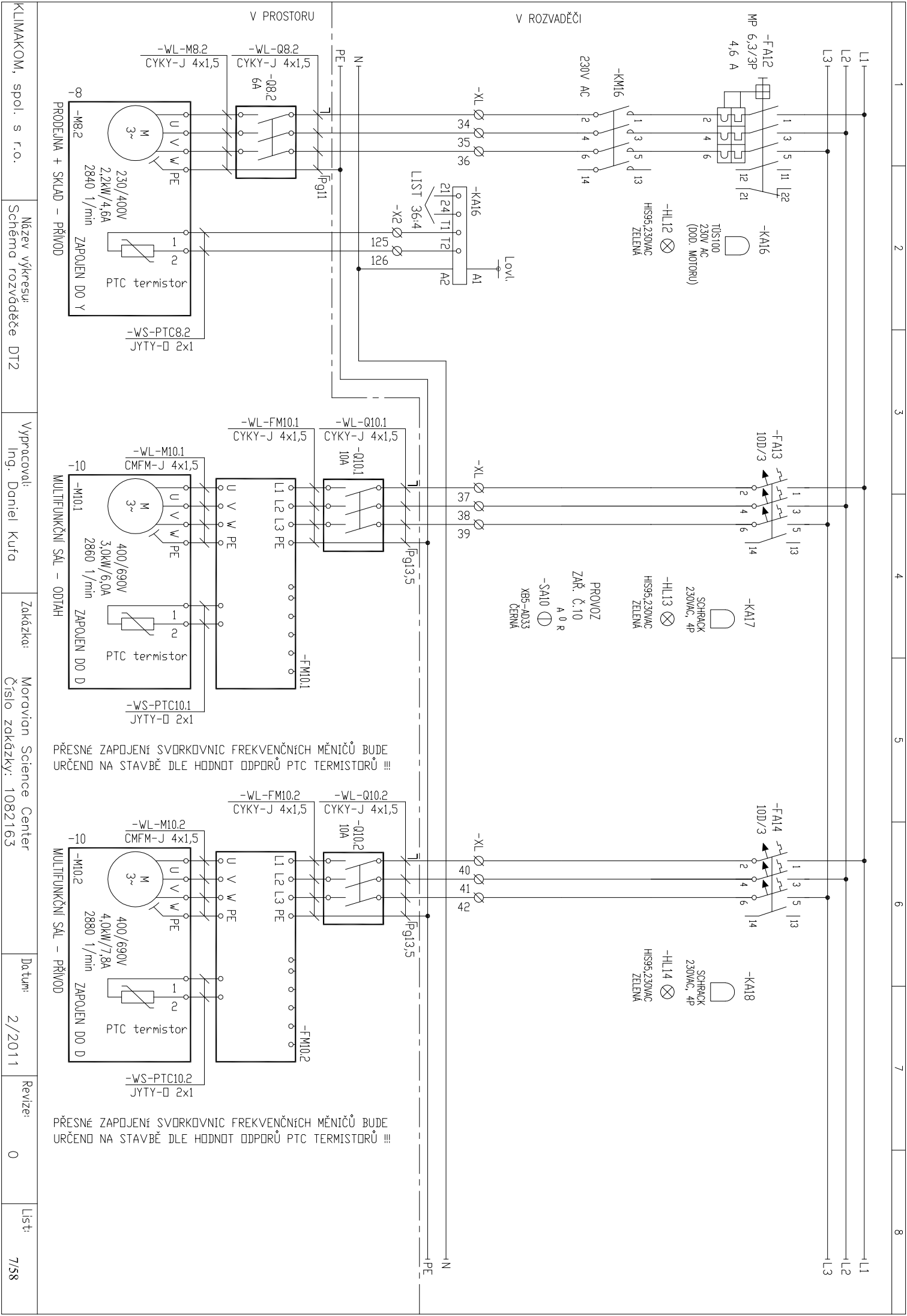
24	VENTILÁTOR m.č.0.11 CHOD
25	VENTILÁTOR DIGESTOR CHOD
26	ČERPADLO SMĚŠ, UZEL č.1 CHOD
27	ČERPADLO SMĚŠ, UZEL č.5 CHOD

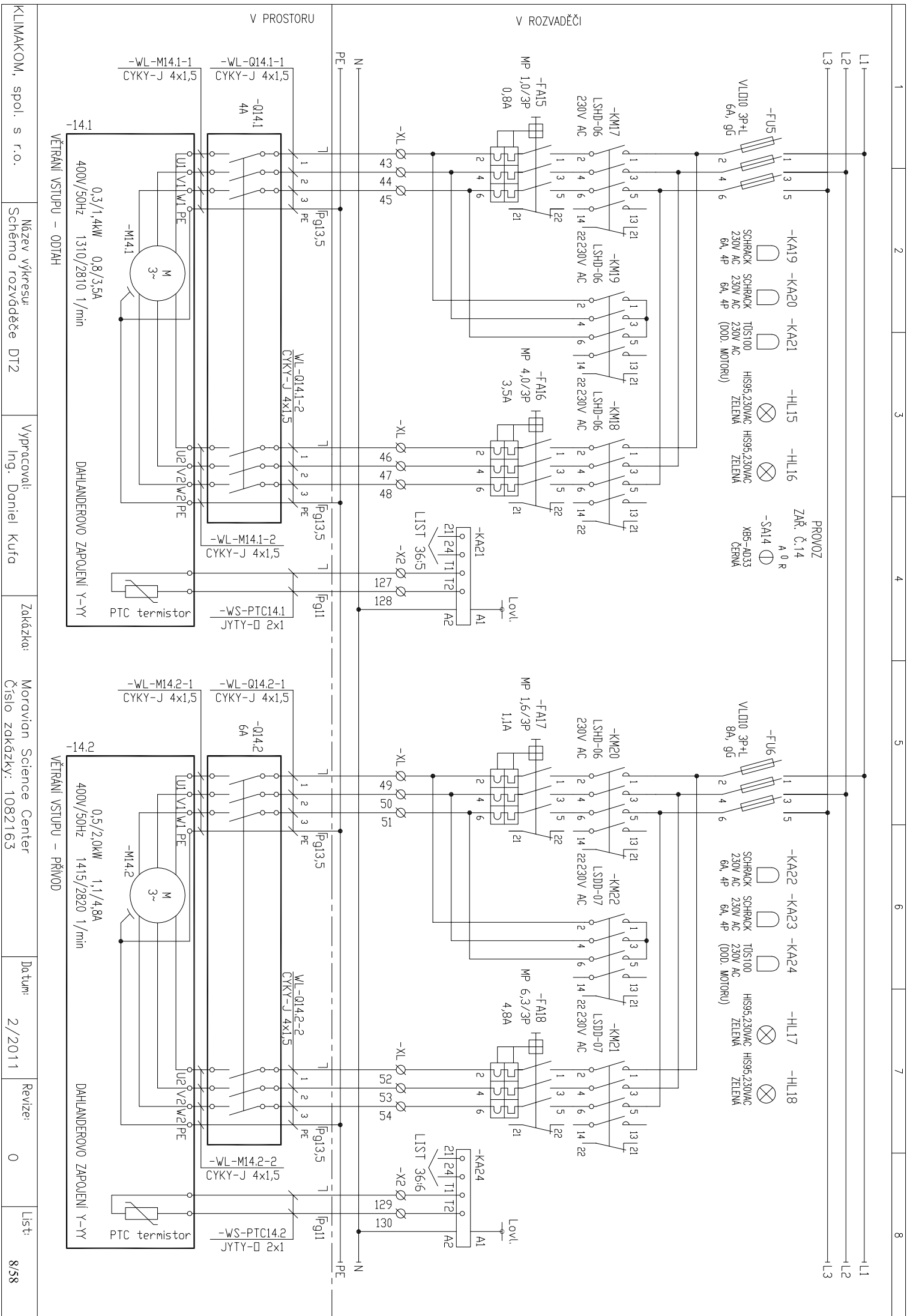


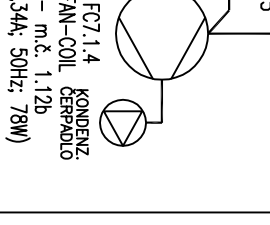


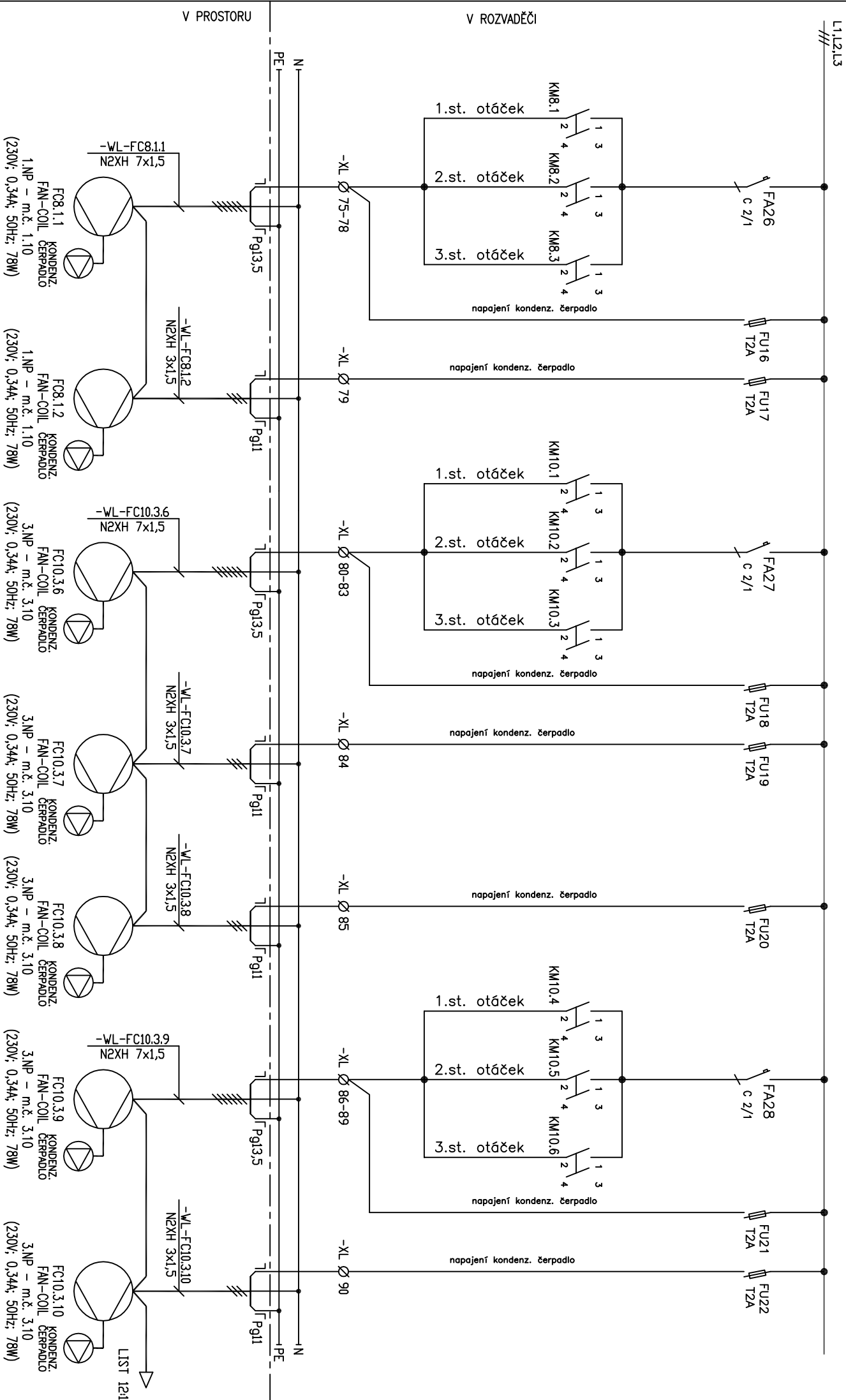


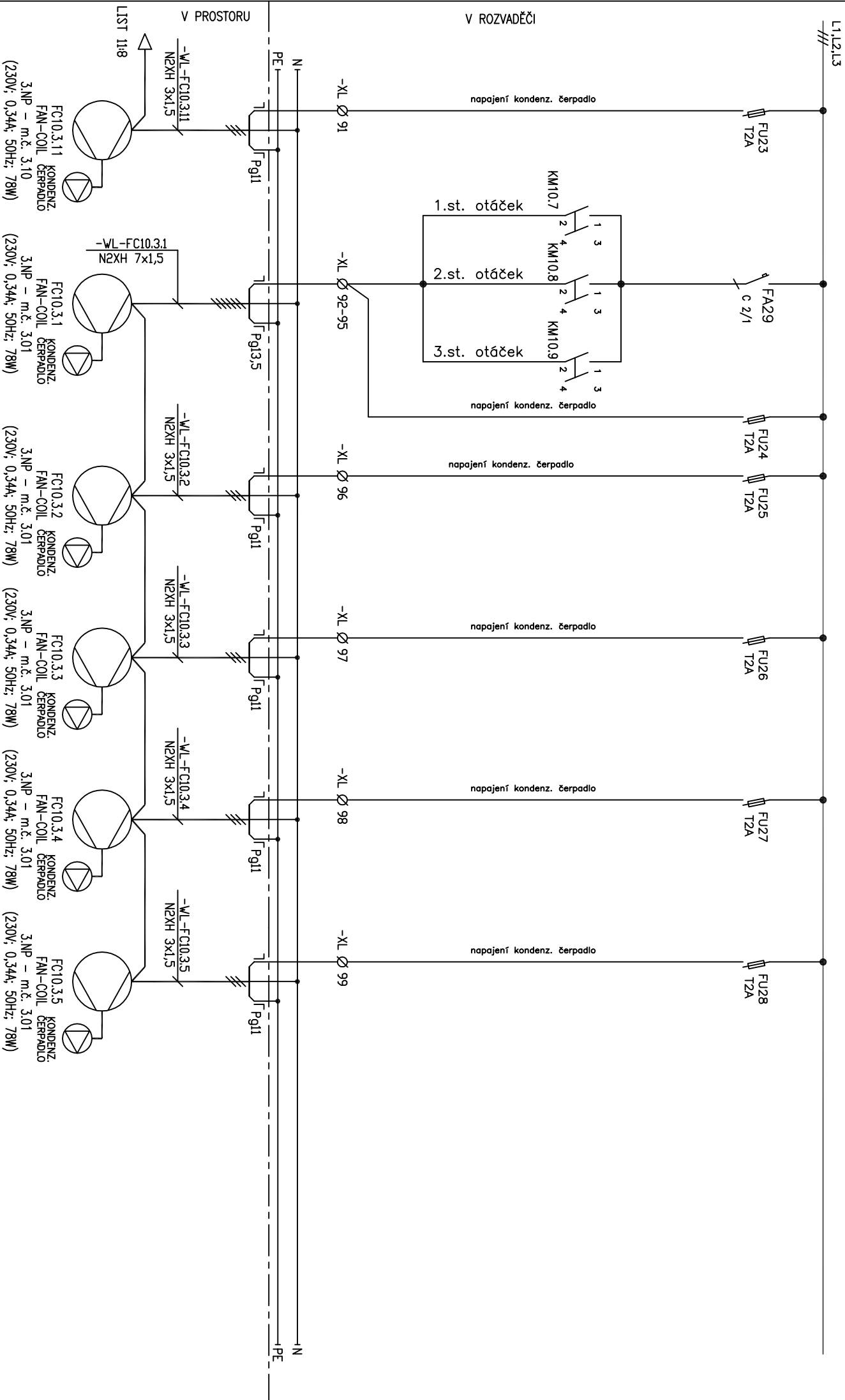


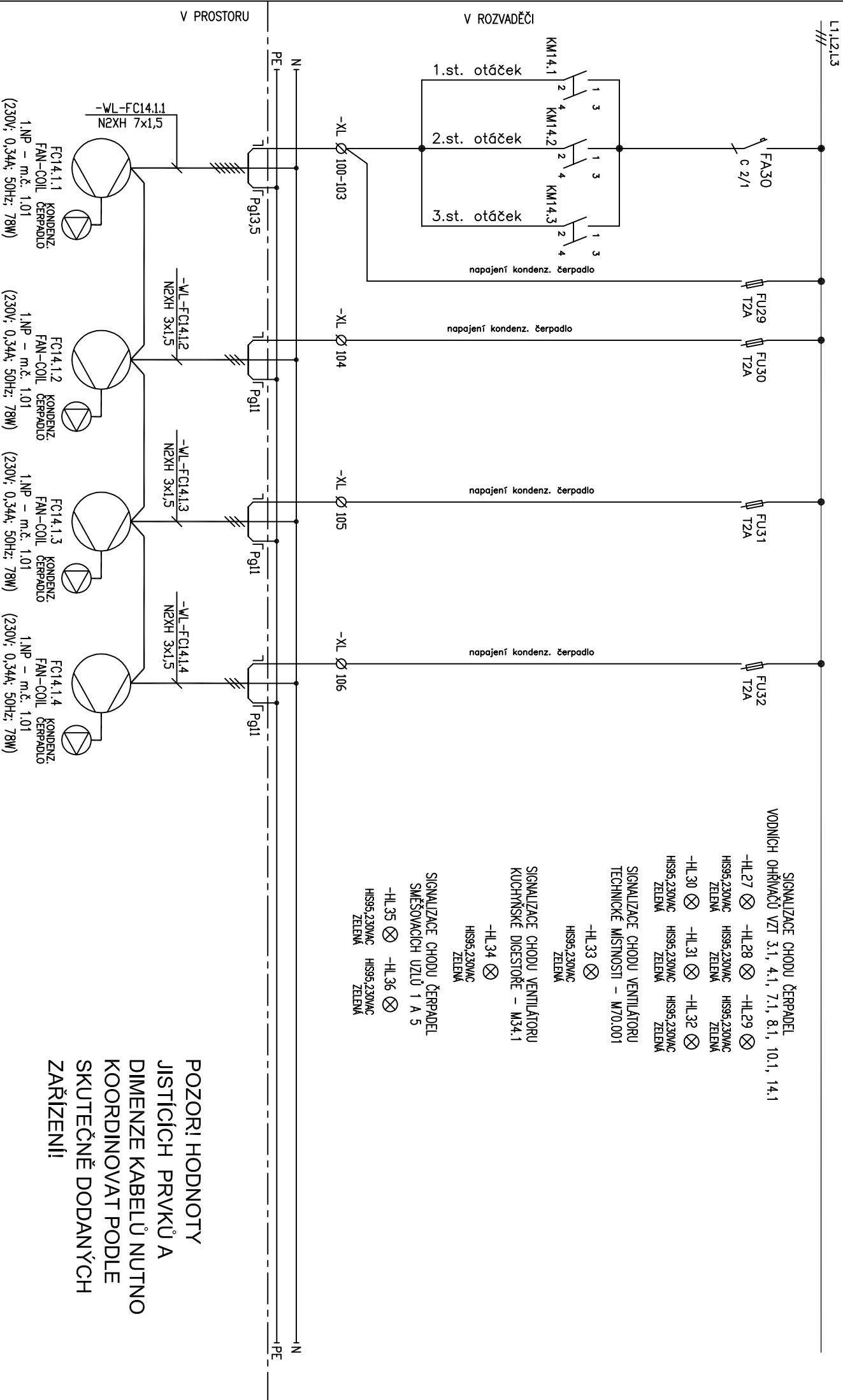


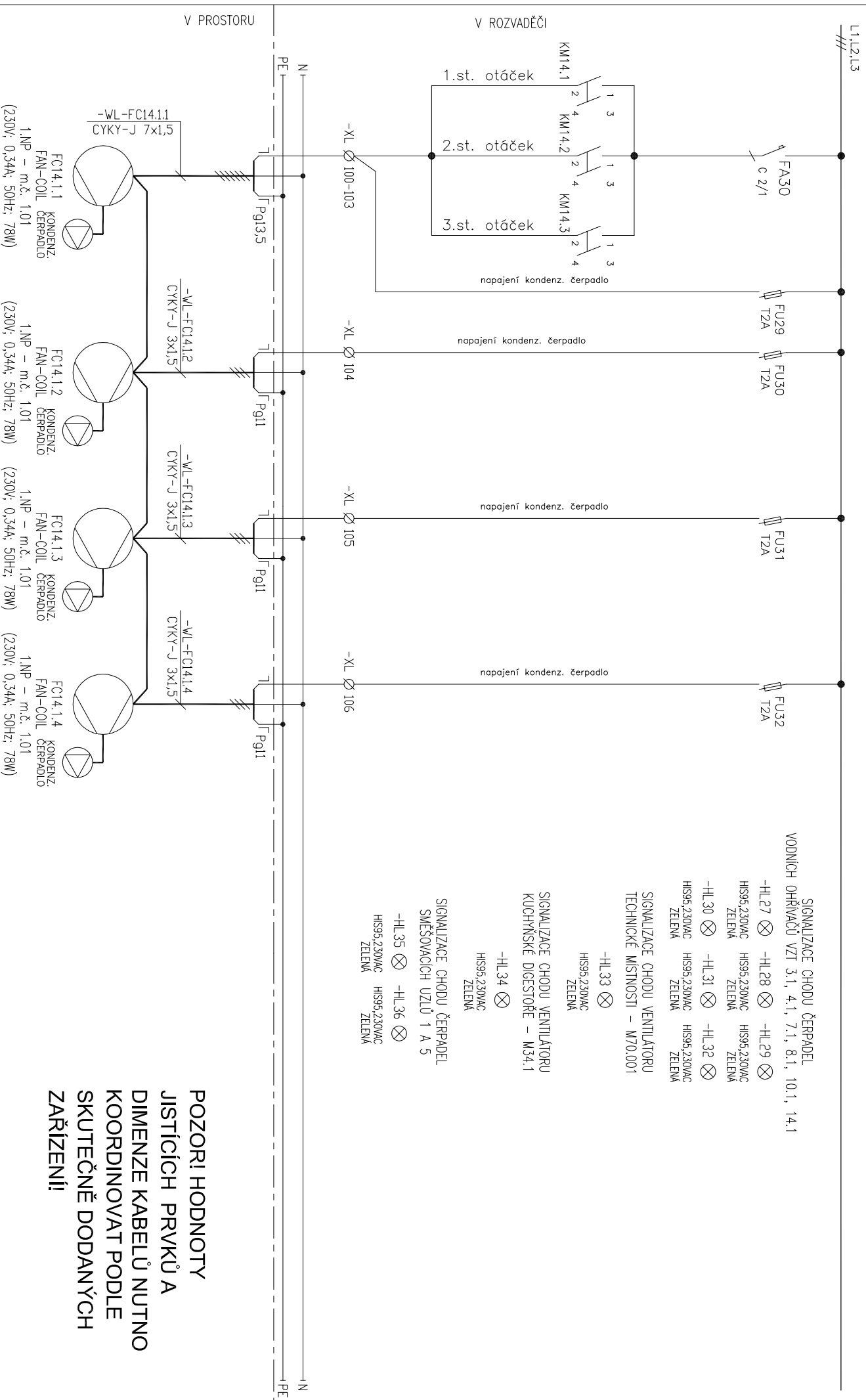


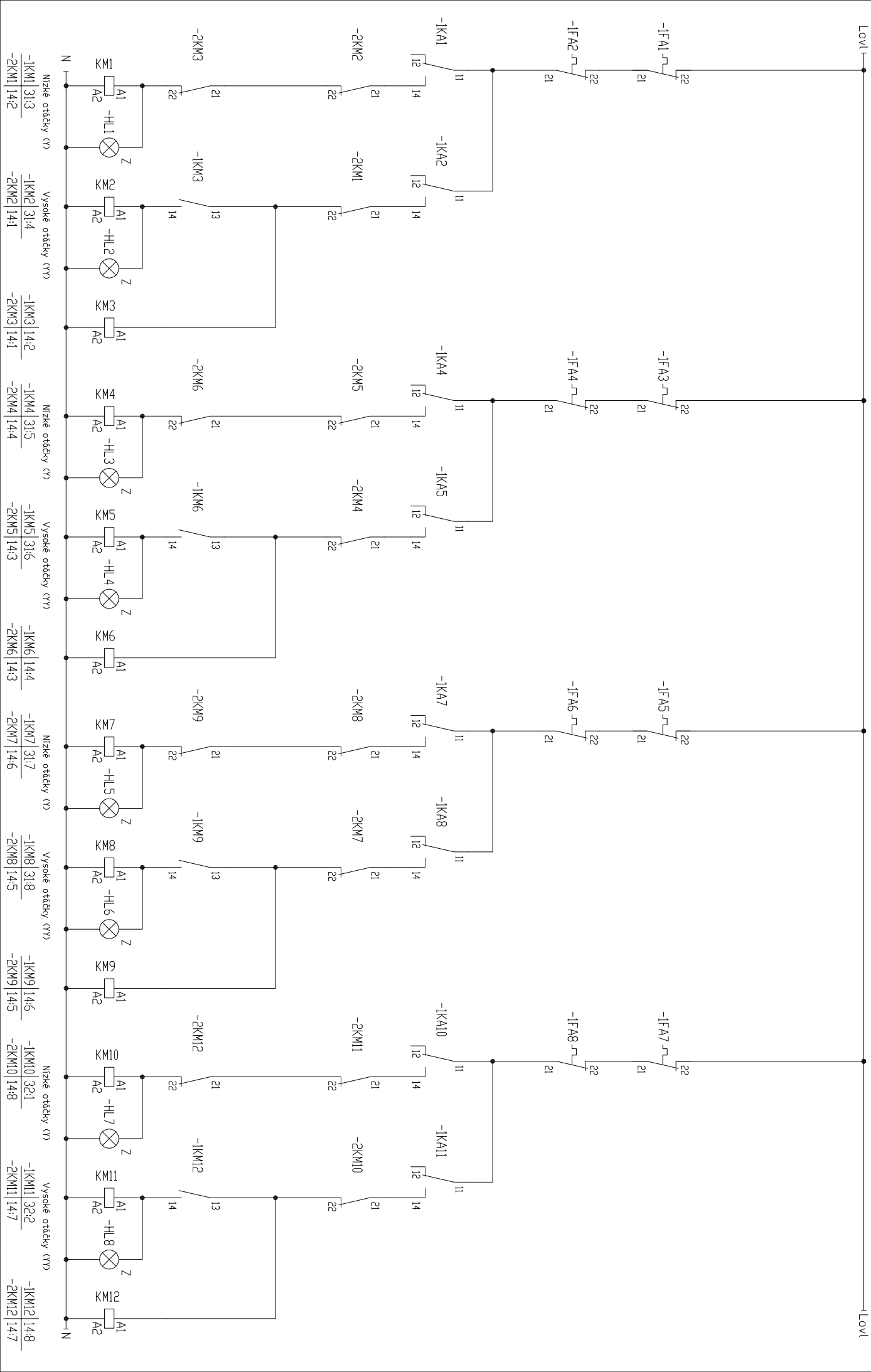


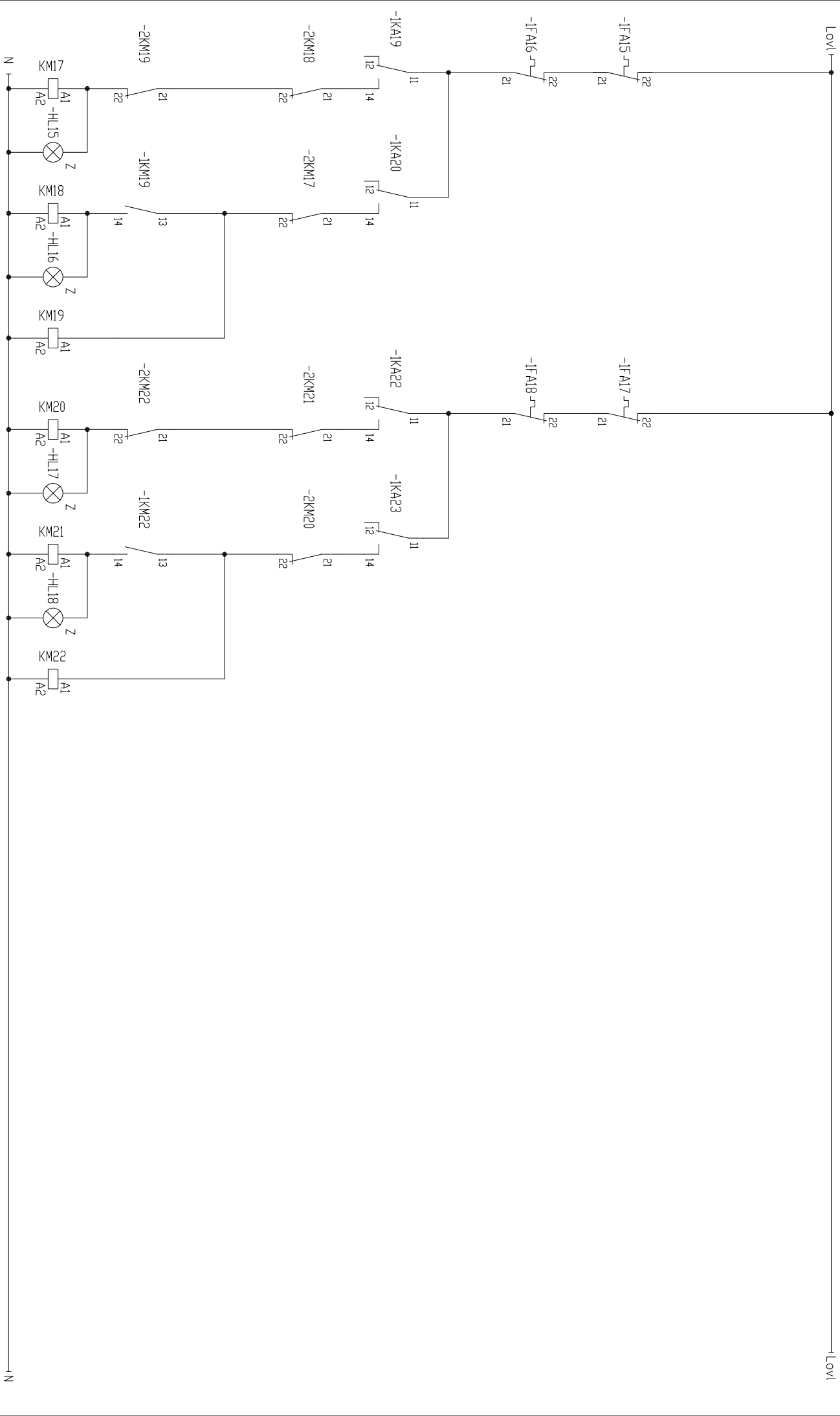






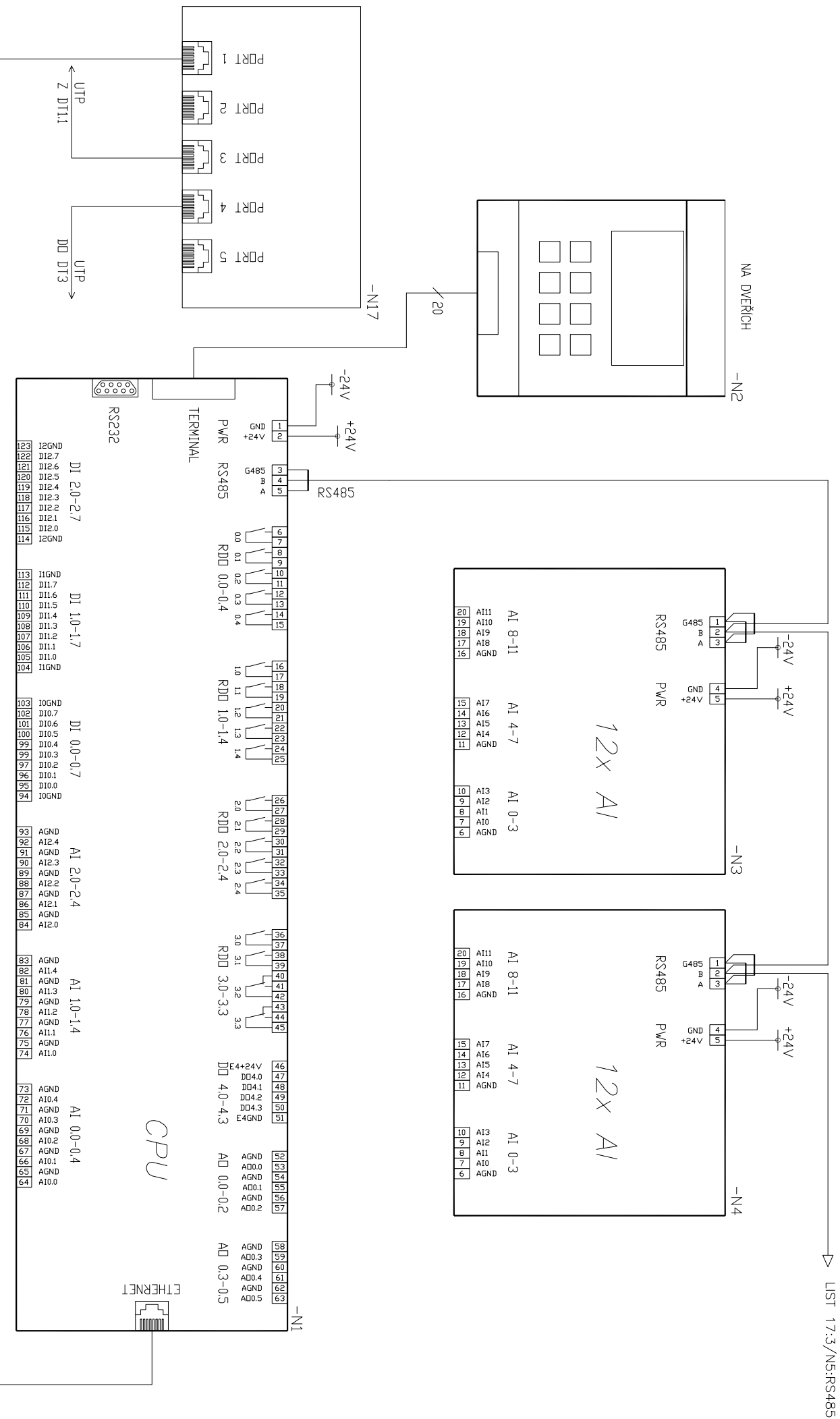






KLIMAKOM, spol. s r.o.			Název výkresu: Schéma rozvóděče DT2		Vyracovali: Ing. Daniel Kuřa		Zakázka: Moravian Science Center Číslo zakázky: 1082163		Datum: 2/2011		Revize: 0		List: 15/58	
Nízké otáčky (V)			Vysoké otáčky (V)		Nízké otáčky (V)		Vysoké otáčky (V)							
-1KM17 32;7			-1KM18 32;8		-1KM19 15;2		-1KM20 33;1		-1KM21 33;2		-1KM22 15;4			
-2KM17 15;2			-2KM18 15;1		-2KM19 15;1		-2KM20 15;4		-2KM21 15;3		-2KM22 15;3			

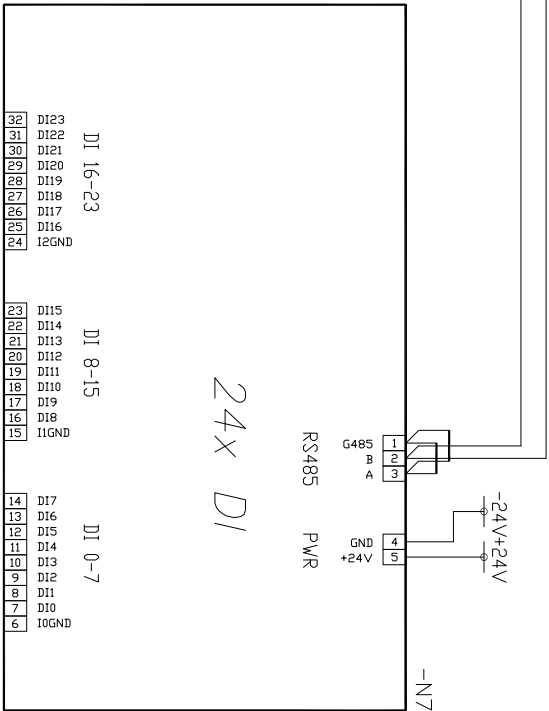
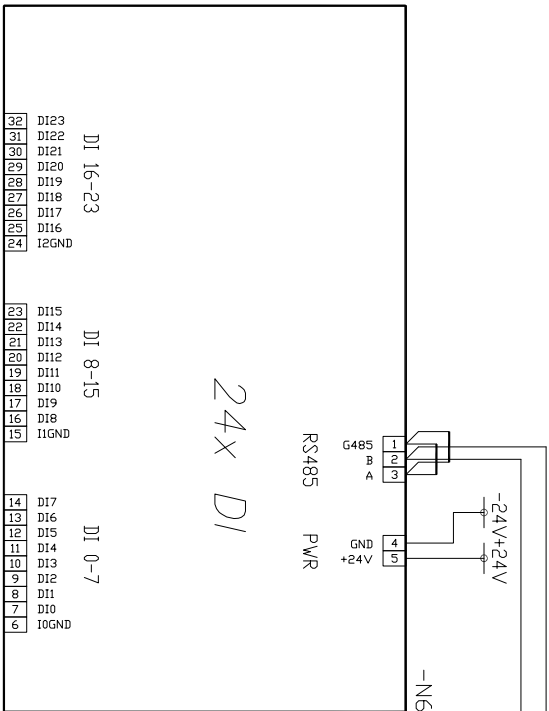
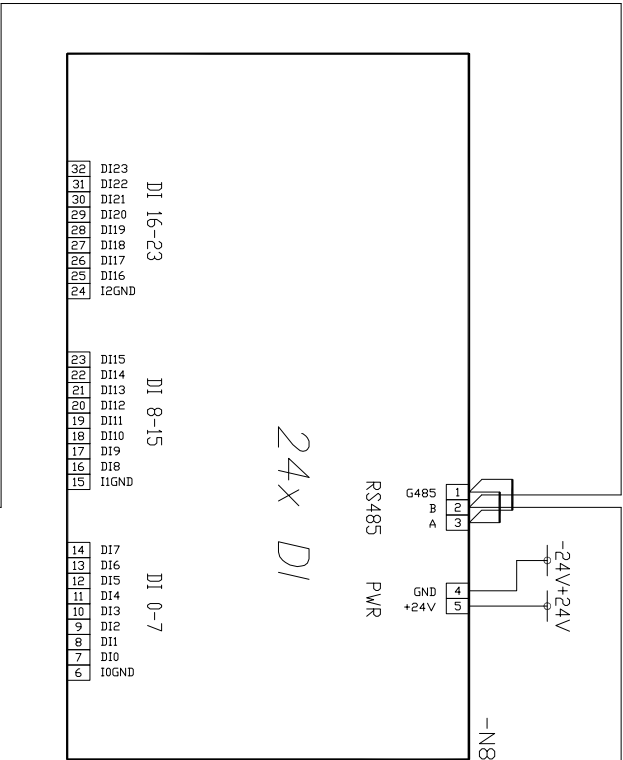
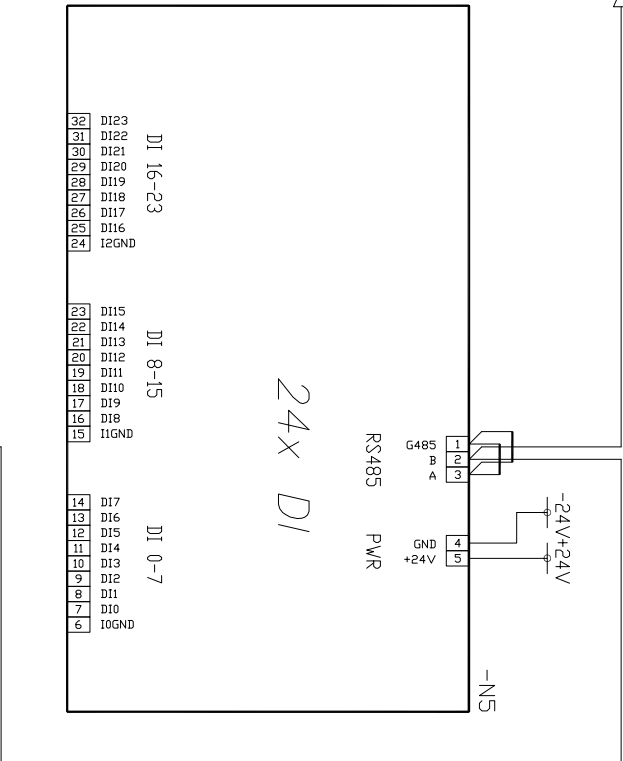
Konfigurace řídícího systému



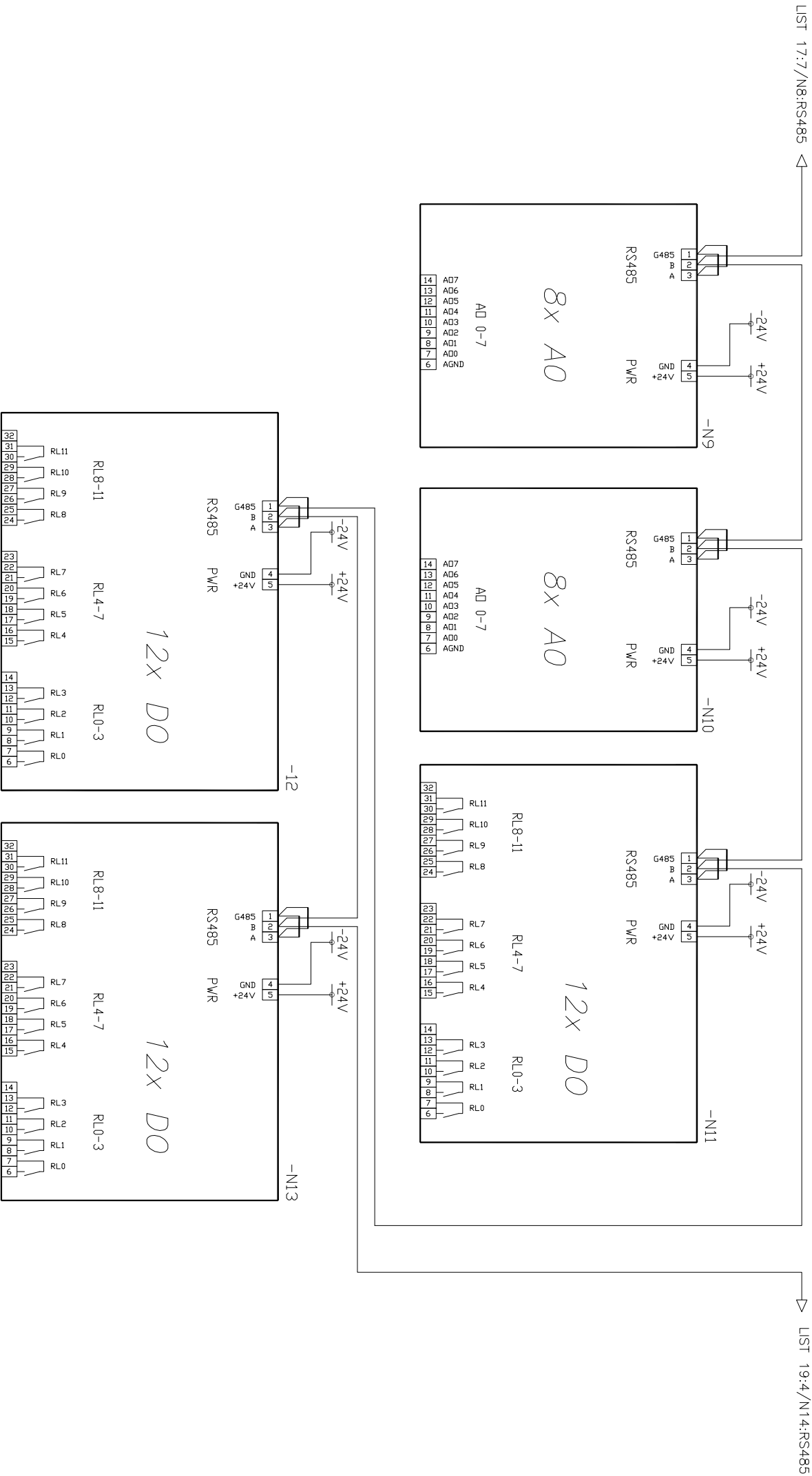
Konfigurace řídícího systému

LIST 16:6/N4:RS485

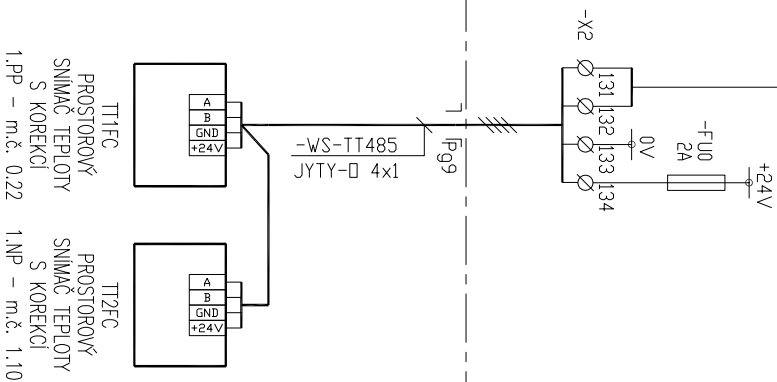
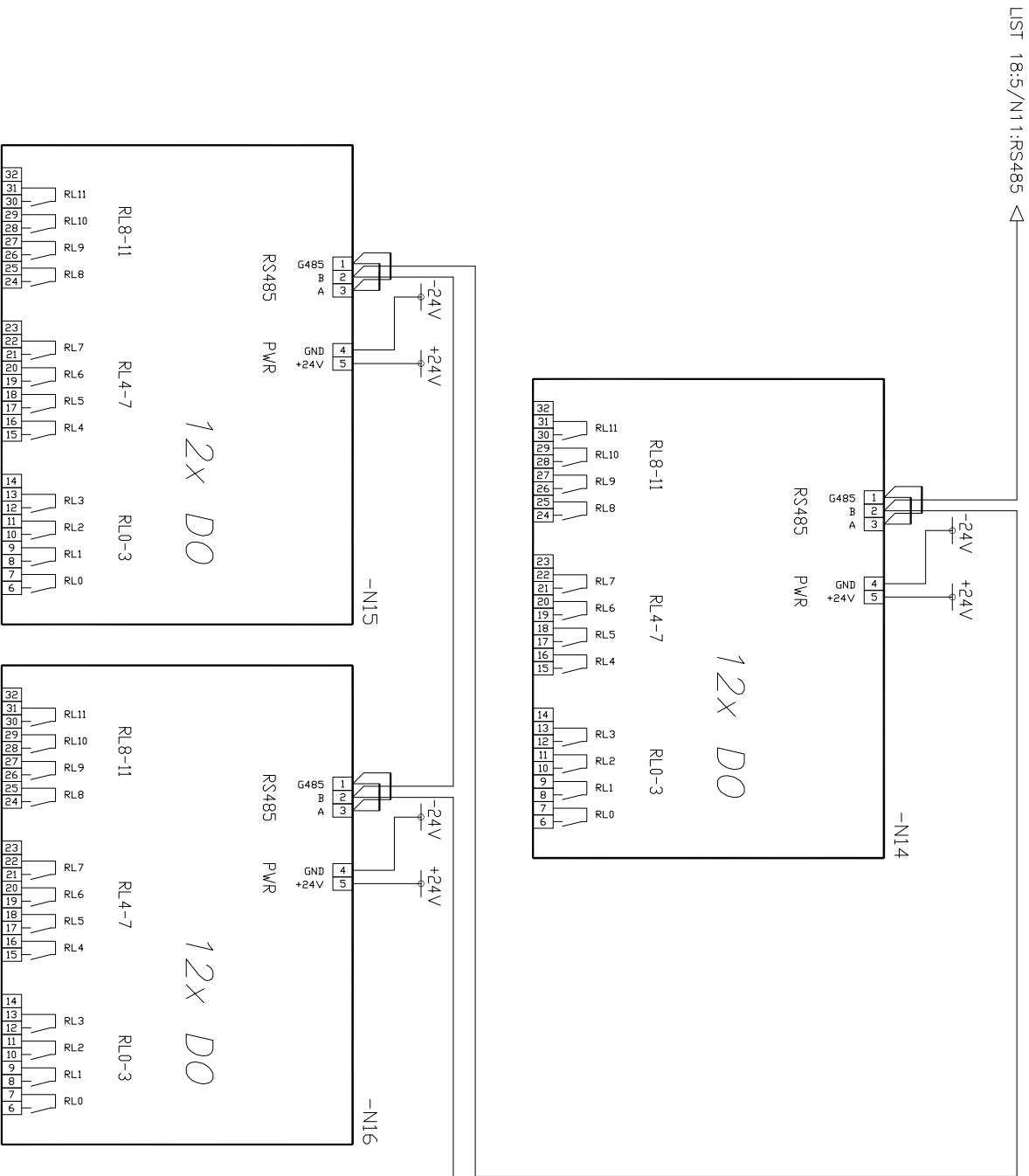
LIST 18:2/N9:RS485



Konfigurace řídícího systému



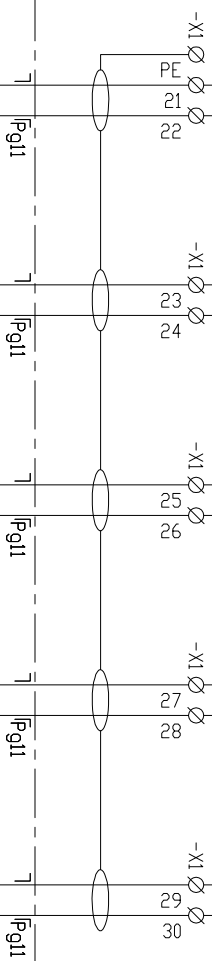
Konfigurace řídicího systému



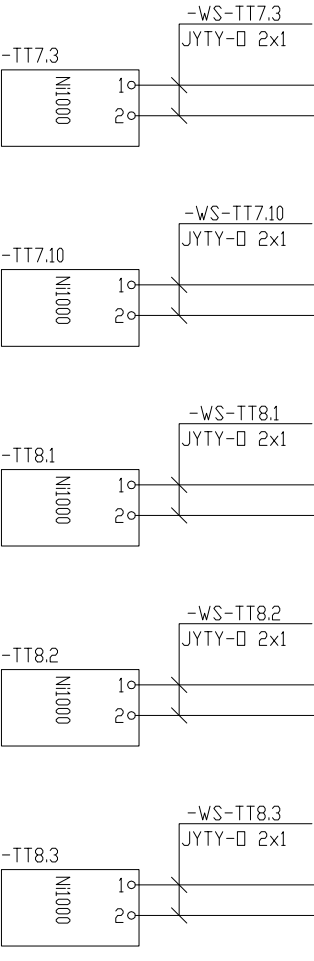
V PROSTORU V ROZVADĚČI

-NI					
CPU					
AI	AI2.0	AI2.1	AI2.2	AI2.3	AI2.4
	84 AI0.0 85 AGND	86 AI0.1 87 AGND	88 AI0.2 89 AGND	90 AI0.3 91 AGND	92 AI0.4 93 AGND

V ROZVADĚČI



V PROSTORU



SNÍMAČ TEPLLOTY
ZA REKUPERÁTOREM
VZT 07 PŘIVOD

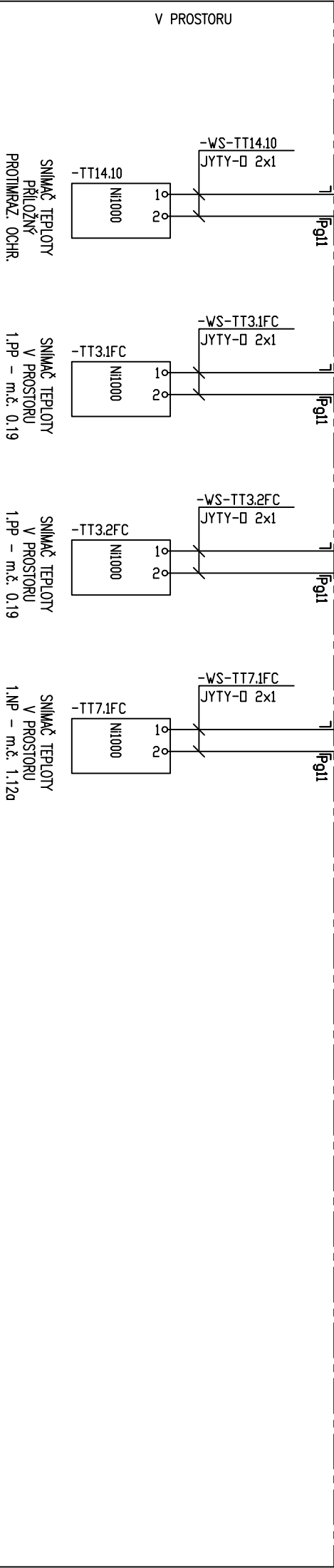
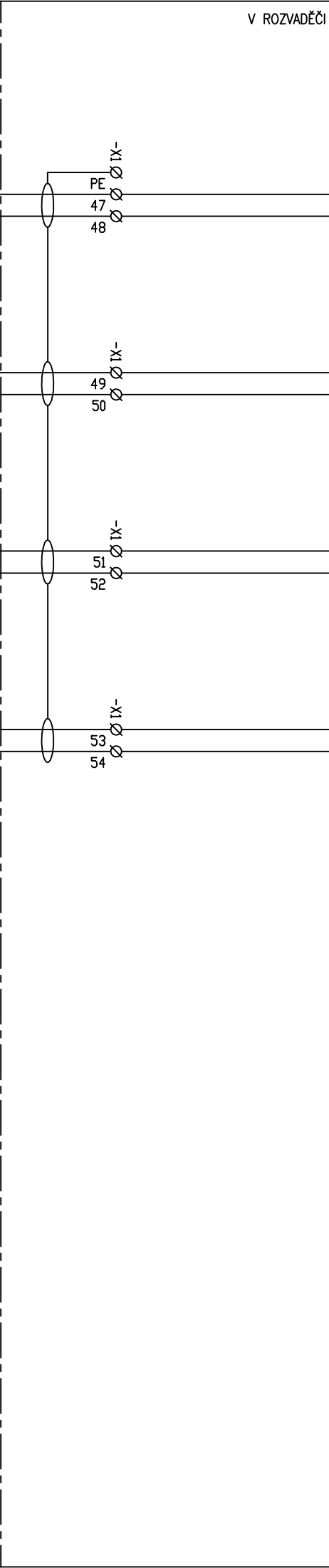
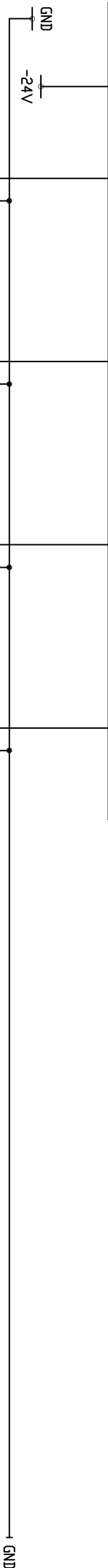
SNÍMAČ TEPLLOTY
PŘÍLOŽNÝ
PROTİMRAZ. OCHR.

SNÍMAČ TEPLLOTY
DO VZT POTRUBÍ
VZT 08 PŘIVOD

SNÍMAČ TEPLLOTY
DO VZT POTRUBÍ
VZT 08 ODTAH

SNÍMAČ TEPLLOTY
ZA REKUPERÁTOREM
VZT 08 PŘIVOD

-N3			
12x AI			
AI	AI8	AI9	AI10
			AI11



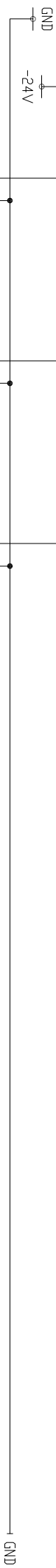
-N4						
12x AI						
AI	AI0	AI1	AI2	AI3	AI4	AI5
						AI6
						AI7



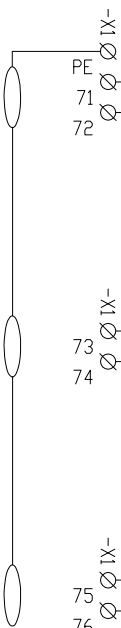
-N4							
12x A1							
A1	A10	A11	A12	A13	A14	A15	A16
							A17



-N4			
12x AI			
AI	AI8	AI9	AI10
			AI11
16 AGND	17	18	19
			20



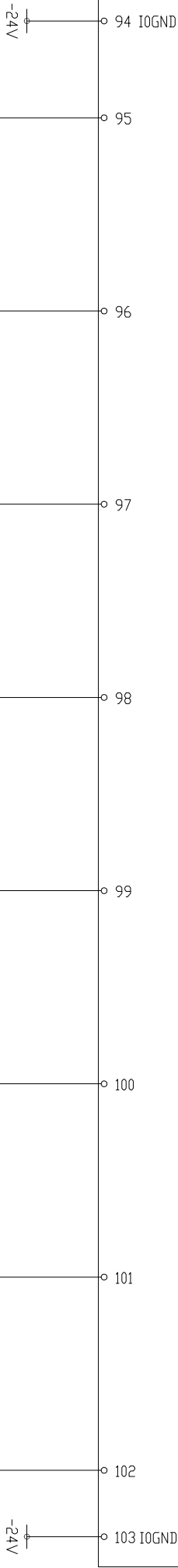
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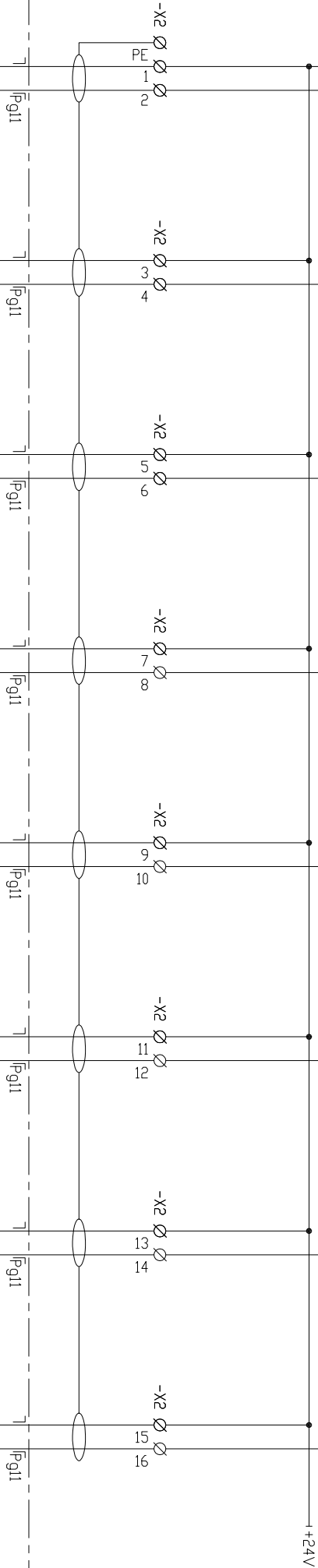
1	1	1
PG11	PG11	PG11
REZERVA	REZERVA	REZERVA

V PROSTORU

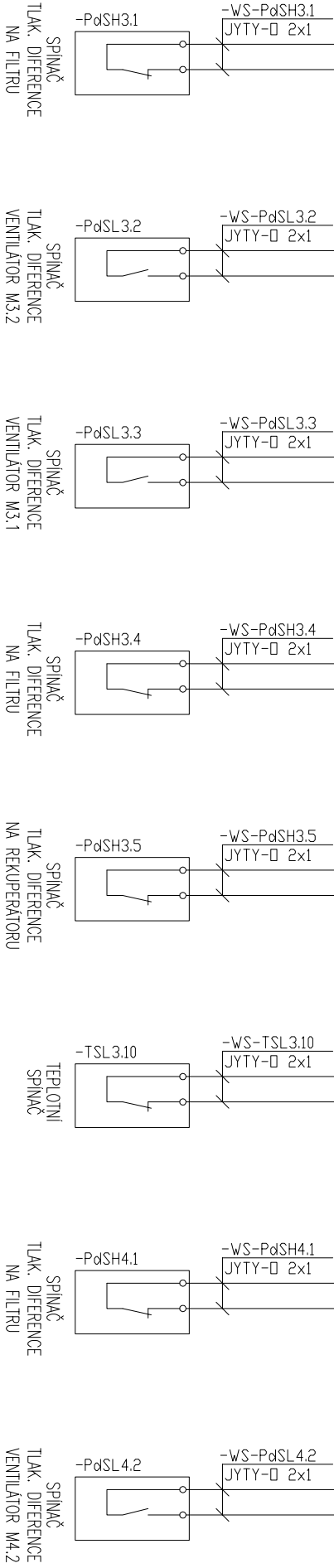
-NI			
CPU			
DI	DI0.0	DI0.1	DI0.2
			DI0.3
			DI0.4
			DI0.5
			DI0.6
			DI0.7



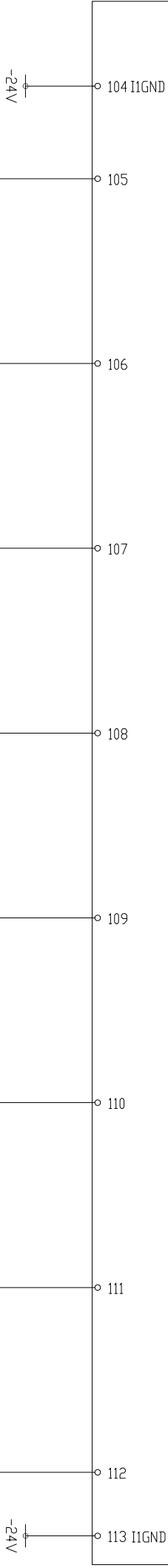
V ROZVADĚČI



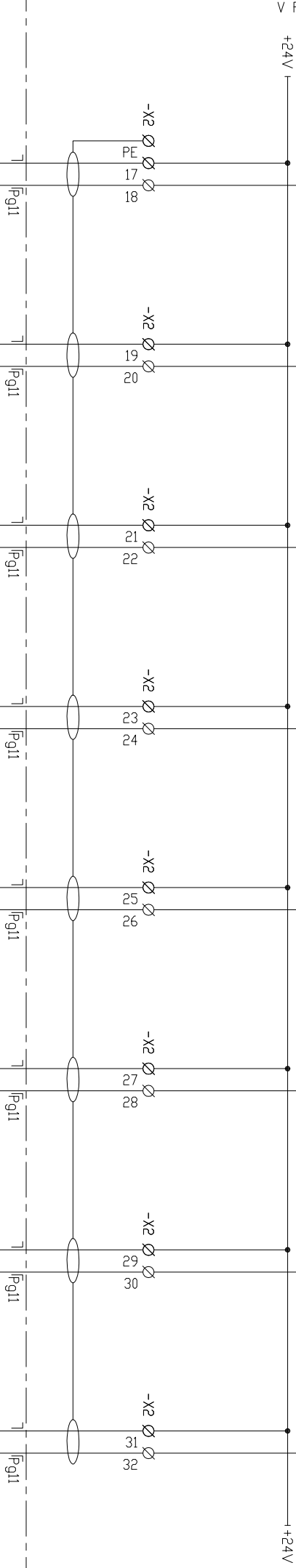
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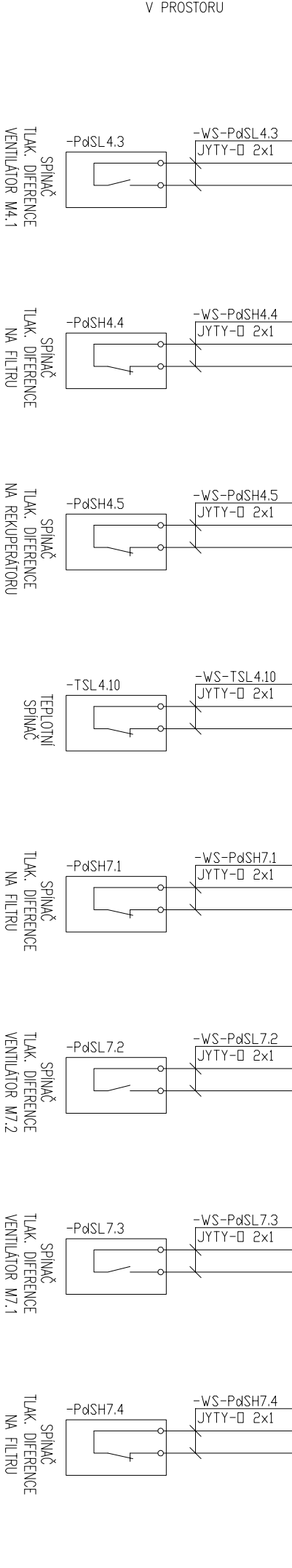
-NI							
CPU							
DI	DI1.0	DI1.1	DI1.2	DI1.3	DI1.4	DI1.5	DI1.7



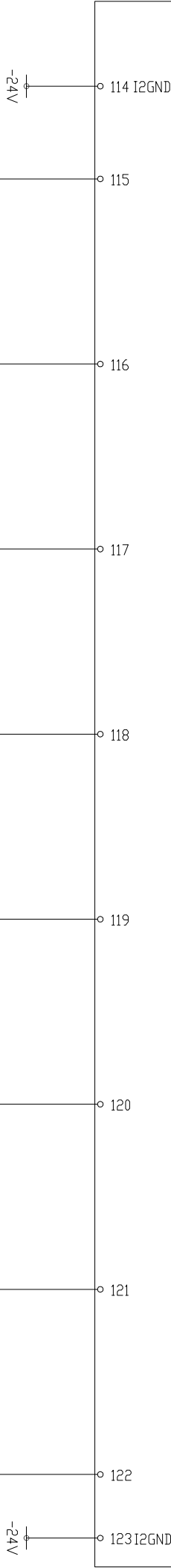
V ROZVADĚČI



V PROSTORU



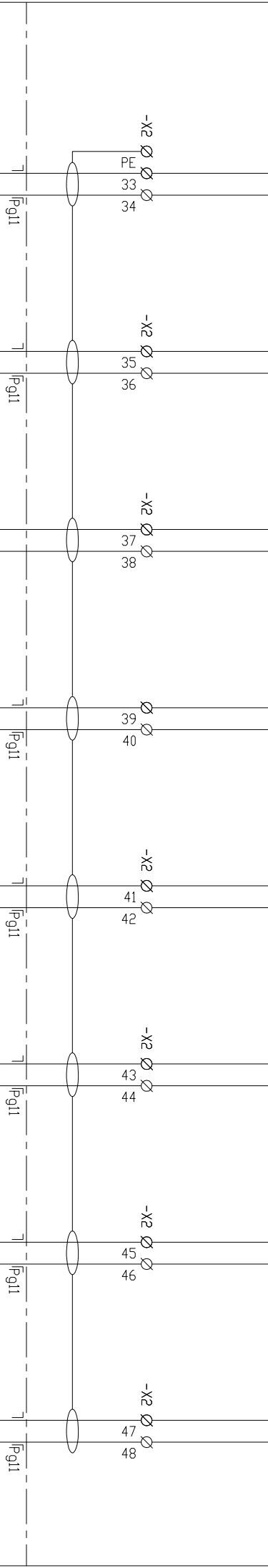
-NI							
CPU							
DI	DI2.0	DI2.1	DI2.2	DI2.3	DI2.4	DI2.5	DI2.7



V ROZVADĚČI

+24V

-24V



V PROSTORU

-PdSH7.5

-WS-PdSH7.5

JYTY-□ 2x1

-PdSH7.5

-TSL7.10

-WS-TSL7.10

JYTY-□ 2x1

-PdSH8.1

-WS-PdSH8.1

JYTY-□ 2x1

-PdSL8.2

-WS-PdSL8.2

JYTY-□ 2x1

-PdSL8.3

-WS-PdSL8.3

JYTY-□ 2x1

-PdSH8.4

-WS-PdSH8.4

JYTY-□ 2x1

-PdSH8.5

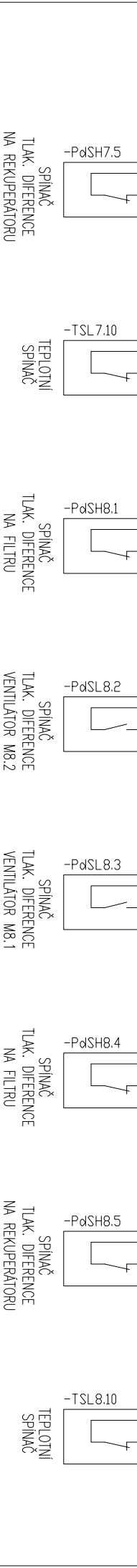
-WS-PdSH8.5

JYTY-□ 2x1

-TSL8.10

-WS-TSL8.10

JYTY-□ 2x1



-N5

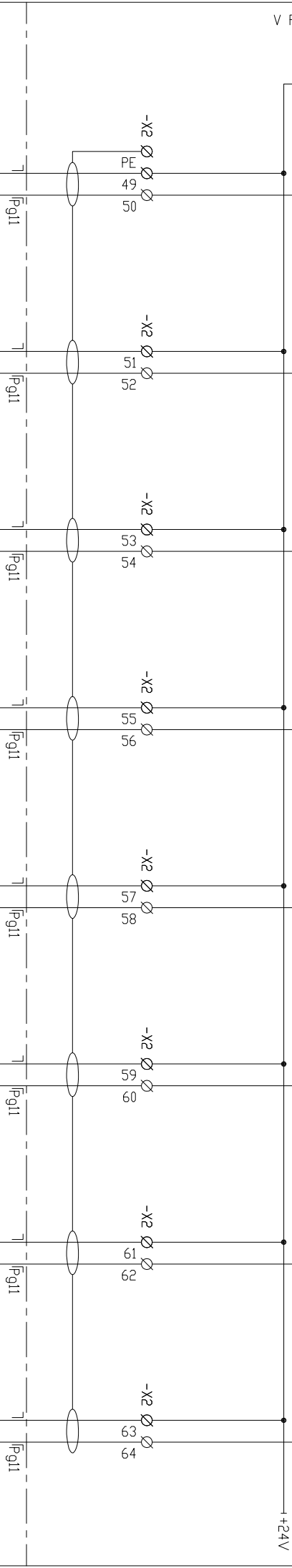
24x DI								
DI	DI0	DI1	DI2	DI3	DI4	DI5	DI6	DI7
6 IOGND	7	8	9	10	11	12	13	14

-24V

+24V

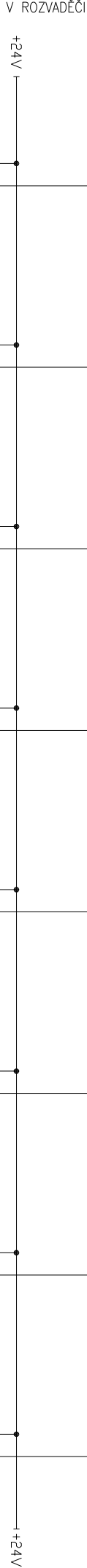
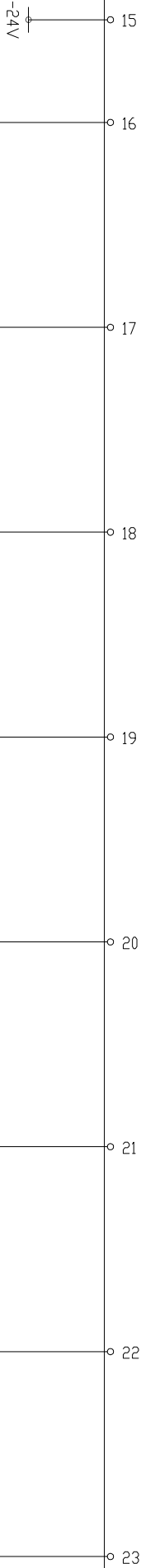
-FU34
2A

+24V



-N5

24x DI							
DI	DI8	DI9	DI10	DI11	DI12	DI13	DI14
							DI15



-X2 Ø
PE
65
66

-X2 Ø
67
68

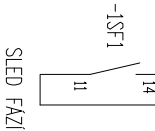
-X2 Ø
69
70

-X2 Ø
71
72

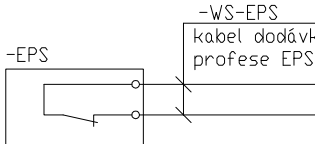
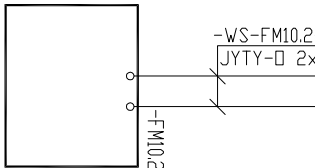
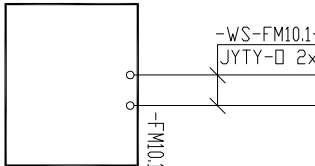
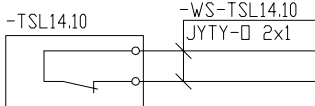
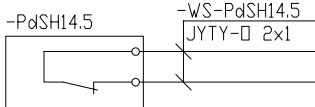
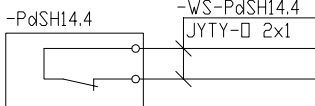
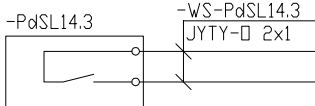
-X2 Ø
73
74

-X2 Ø
75
76

-X2 Ø
77
78



V PROSTORU



SPÍNAČ
TLAK. DIFFERENCE
VENTILATOR M14.1

SPÍNAČ
TLAK. DIFFERENCE
NA FILTRU

SPÍNAČ
TLAK. DIFFERENCE
NA REKUPÉRATORU

TEPLOTNÍ
SPÍNAČ

PORUCHA

PORUCHA

PORUCHA
EPS

–N6

24× DI							
DI	DI0	DI1	DI2	DI3	DI4	DI5	DI7
IOGND							
6	7	8	9	10	11	12	14

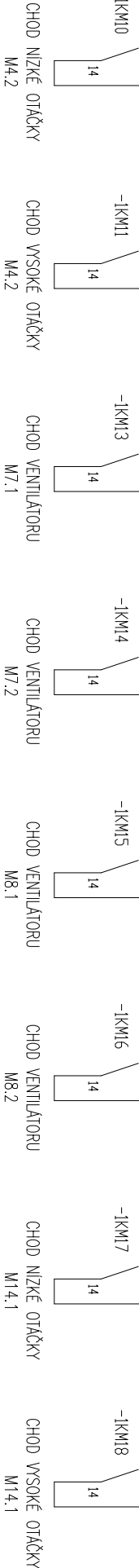
–24V

+24V

–FU35
2A

V ROZVADĚČI

+24V



V PROSTORU

-N6

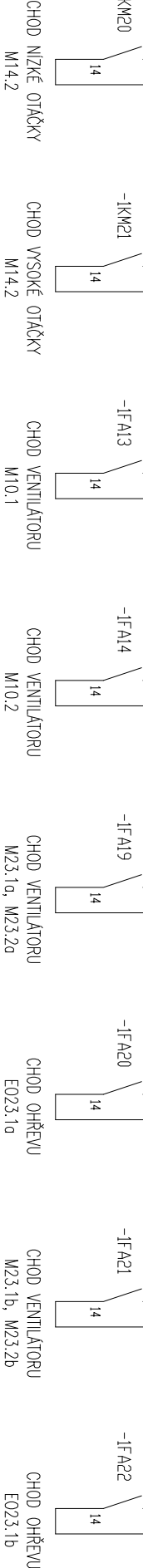
24x DI								
DI	DI8	DI9	DI10	DI11	DI12	DI13	DI14	DI15
I1GND								
15	16	17	18	19	20	21	22	23

-24V

V ROZVADĚČI

+24V

+24V



V PROSTORU

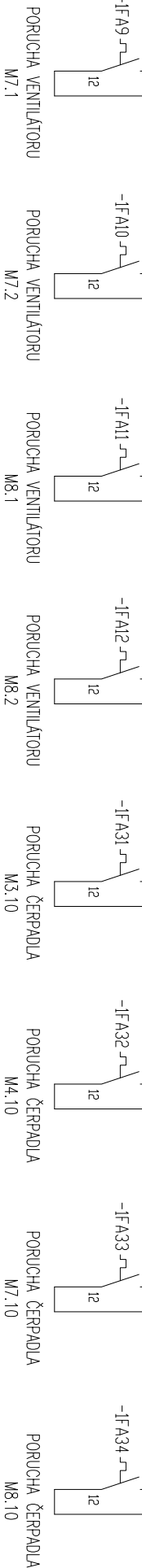
–N6

24x DI							
DI	DI16	DI17	DI18	DI19	DI20	DI21	DI23
24 I2GND							
24	25	26	27	28	29	30	31
24	25	26	27	28	29	30	31

-24V

V ROZVADĚČI

+24V



V PROSTORU

-N7

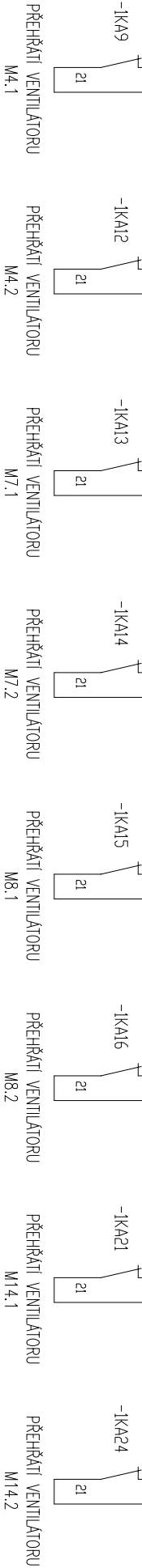
24x DI							
DI	DI8	DI9	DI10	DI11	DI12	DI13	DI15
I1GND							
15	16	17	18	19	20	21	22
23							

-24V

V ROZVADĚČI

+24V

+24V

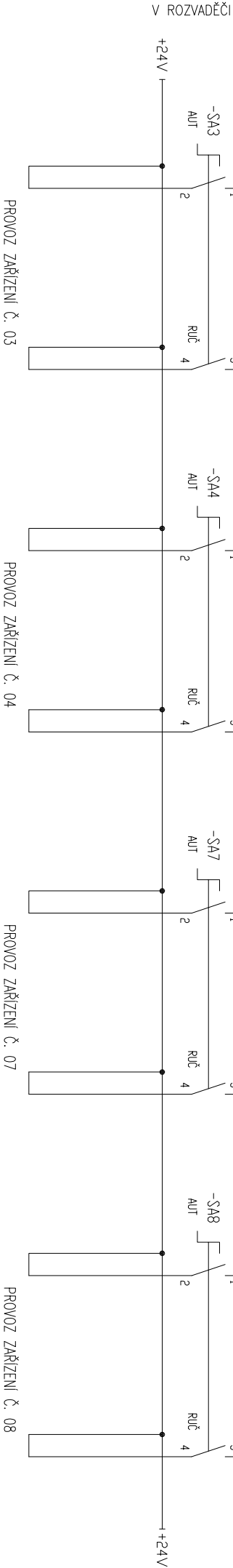


V PROSTORU

-N7

24x DI							
DI	DI16	DI17	DI18	DI19	DI20	DI21	DI23
24 I2GND	25	26	27	28	29	30	31

-24V



V PROSTORU

–N8

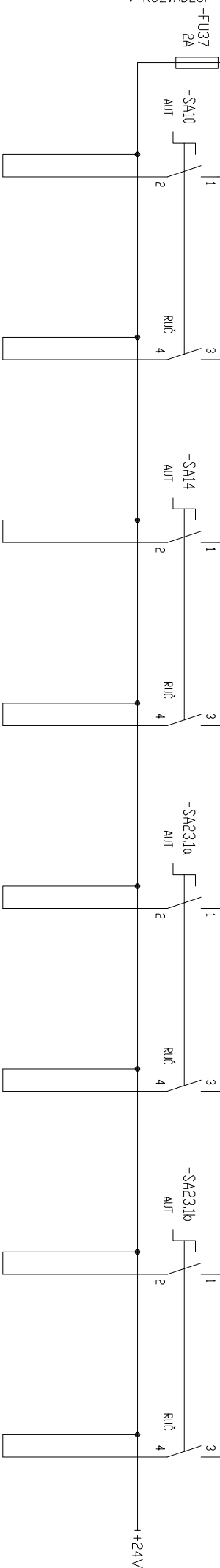
24× DI							
DI	DI0	DI1	DI2	DI3	DI4	DI5	DI7
IOGND							
6	7	8	9	10	11	12	13
14							

–24V

+24V

–FU37
2A

+24V



PROVOZ ZAŘÍZENÍ Č. 10

PROVOZ ZAŘÍZENÍ Č. 14

PROVOZ ZAŘÍZENÍ Č. 23.1a

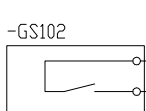
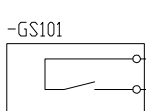
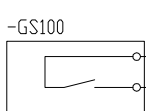
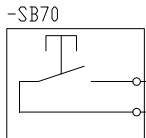
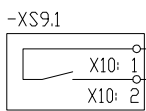
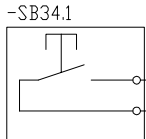
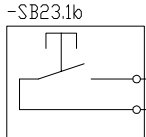
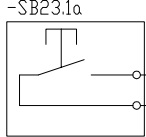
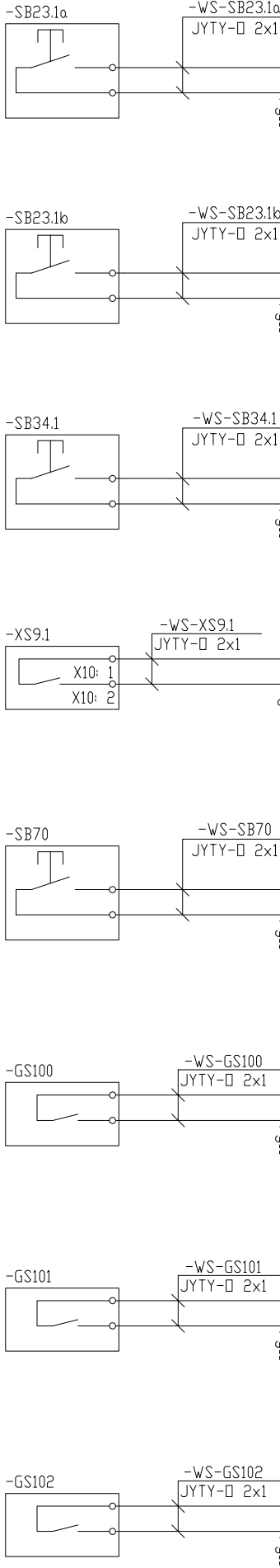
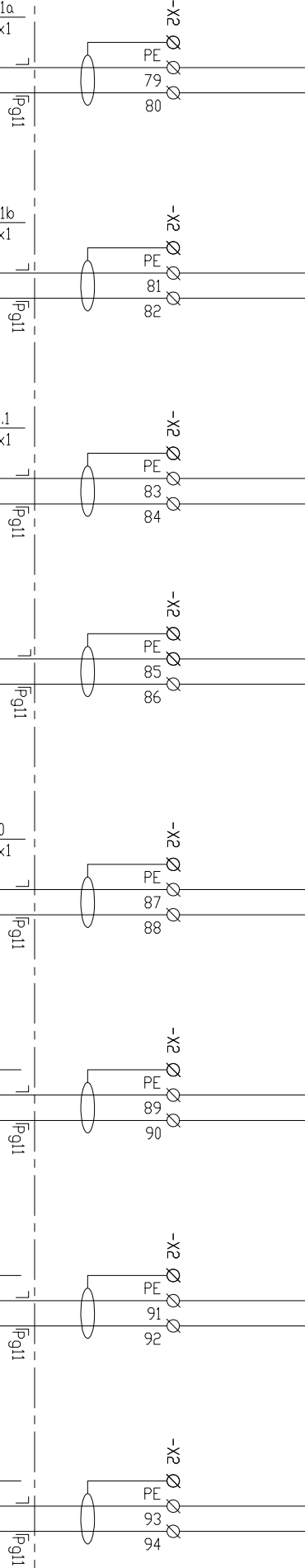
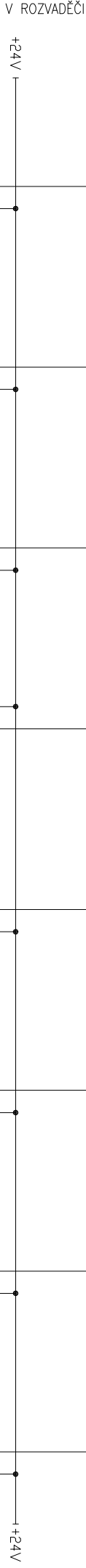
PROVOZ ZAŘÍZENÍ Č. 23.1b

V PROSTORU

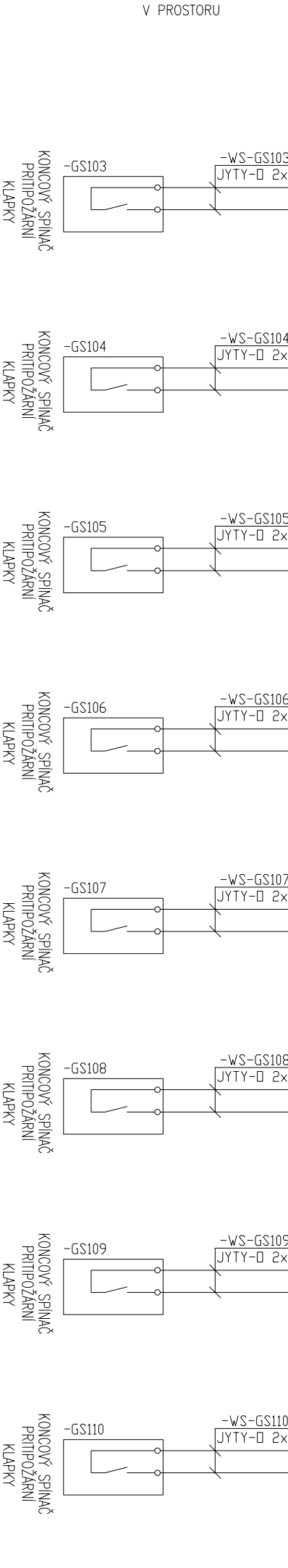
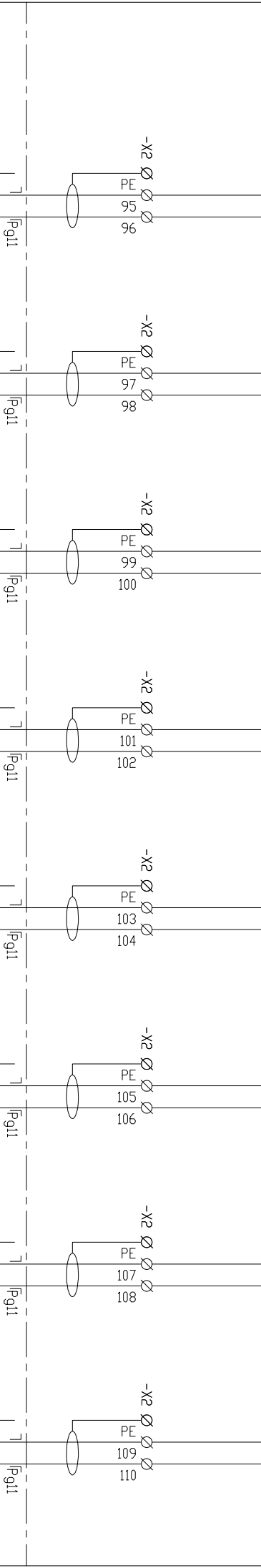
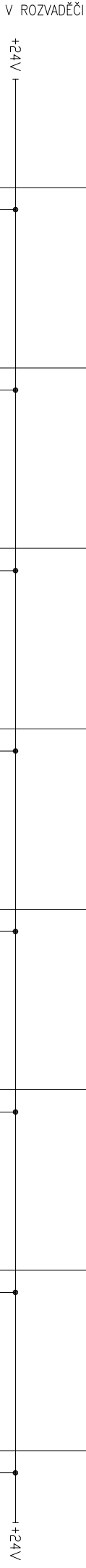
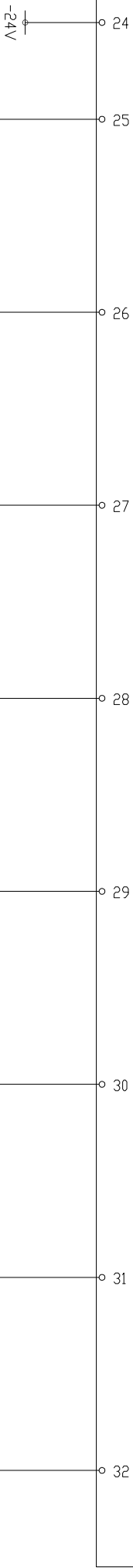
-N8

24x DI								
DI	DI8	DI9	DI10	DI11	DI12	DI13	DI14	DI15
15 I1GND	16	17	18	19	20	21	22	23

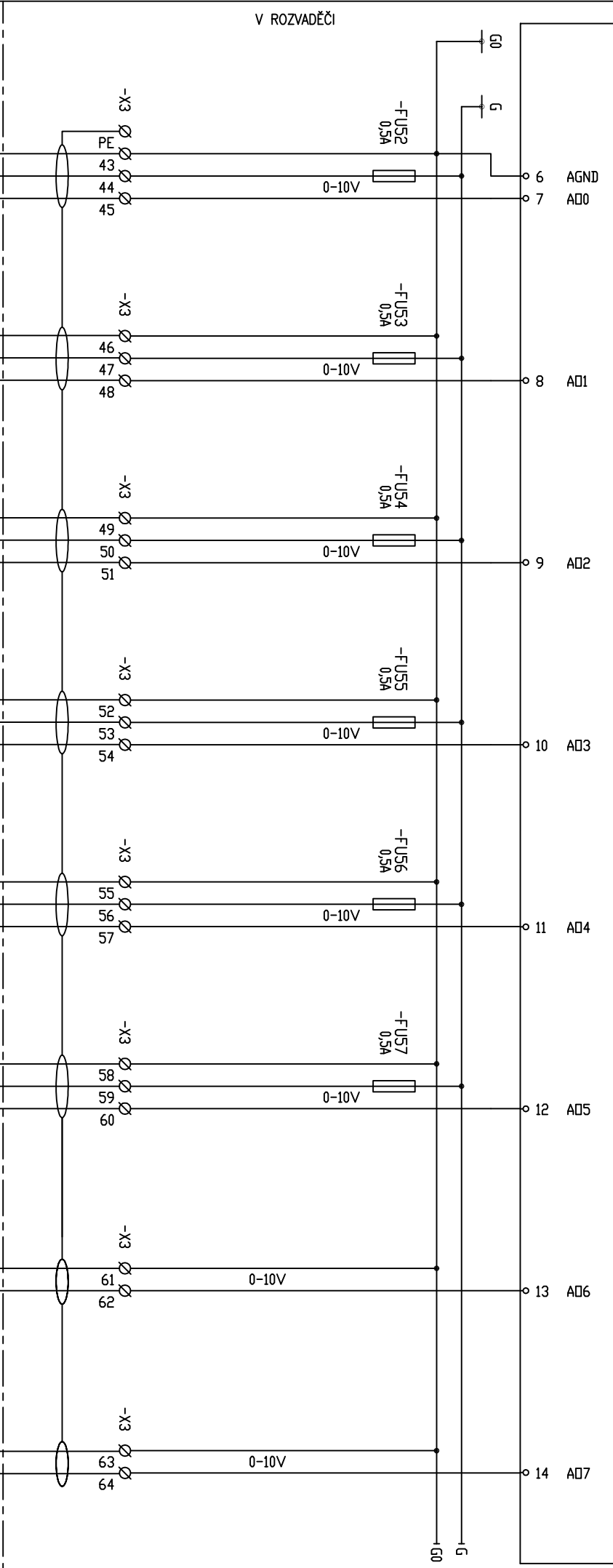
-24V



-N8			
24x DI	DI16	DI17	DI18
DI	DI19	DI20	DI21
	DI22	DI23	



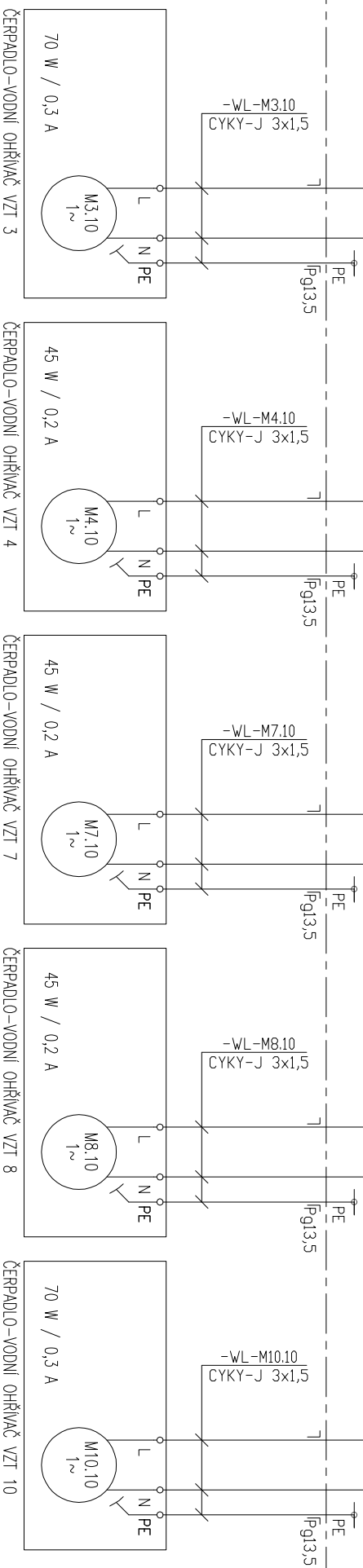
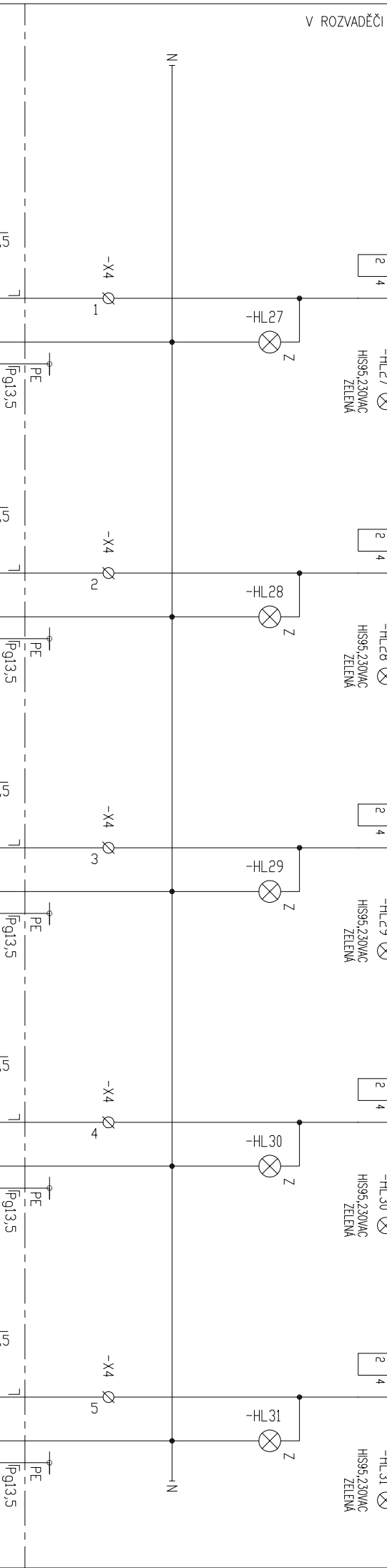
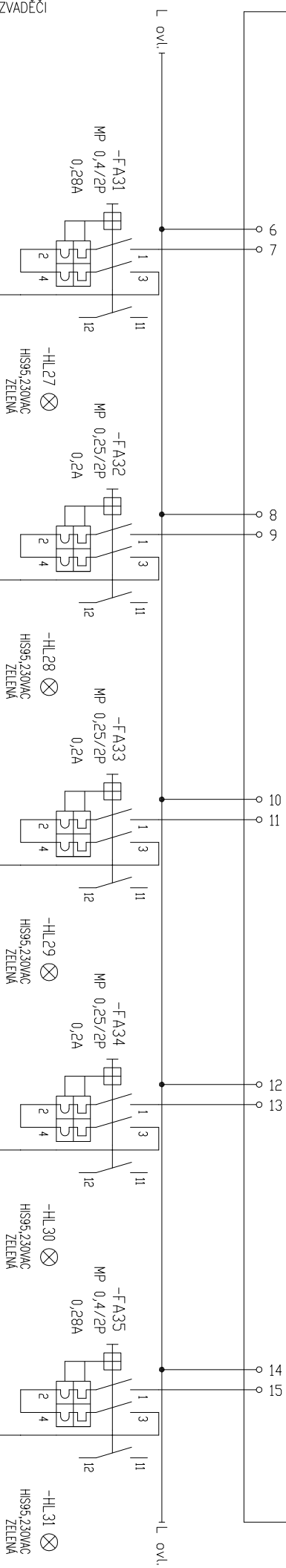
-N10								
8x AD								
AD	AD0	AD1	AD2	AD3	AD4	AD5	AD6	AD7

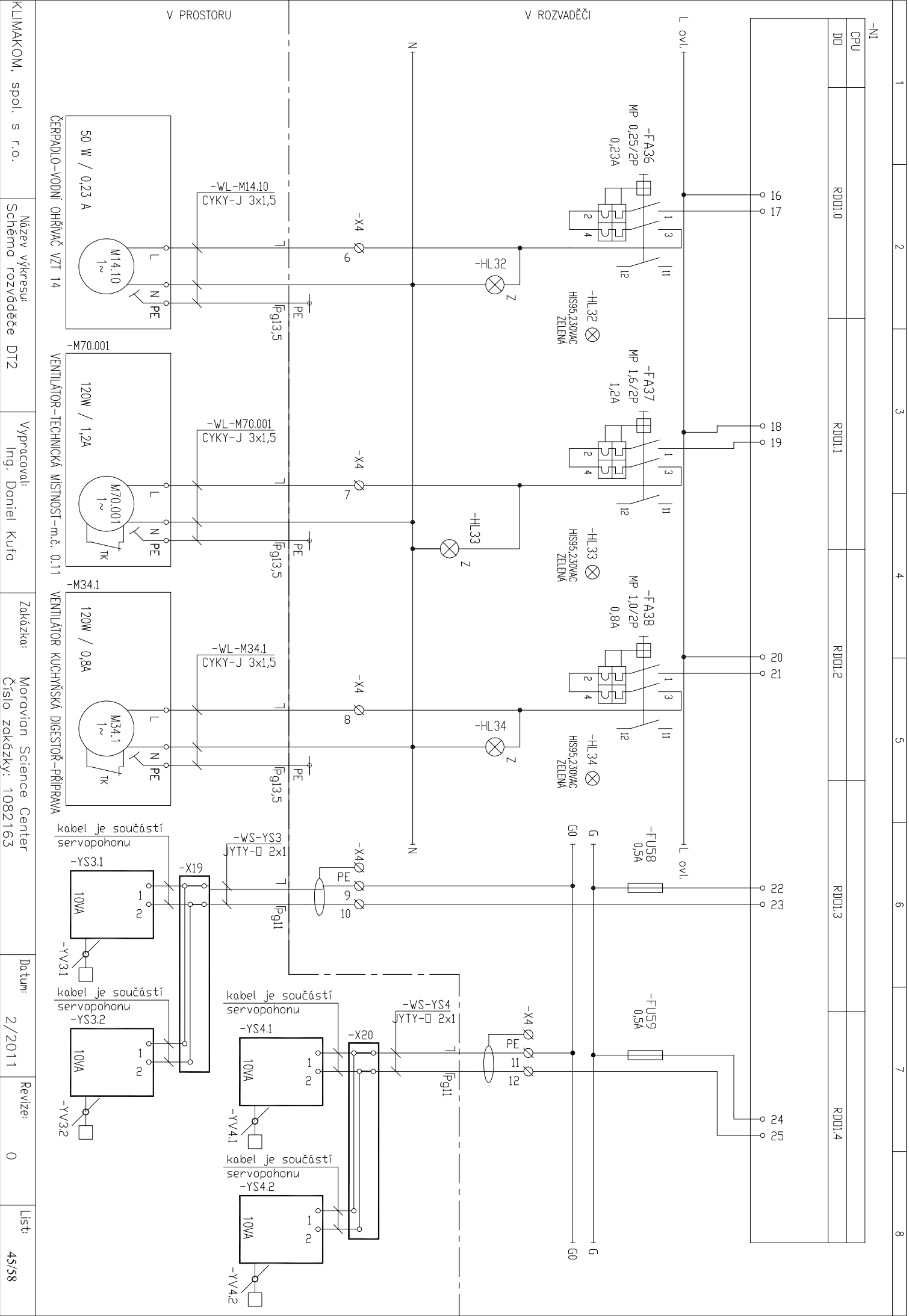


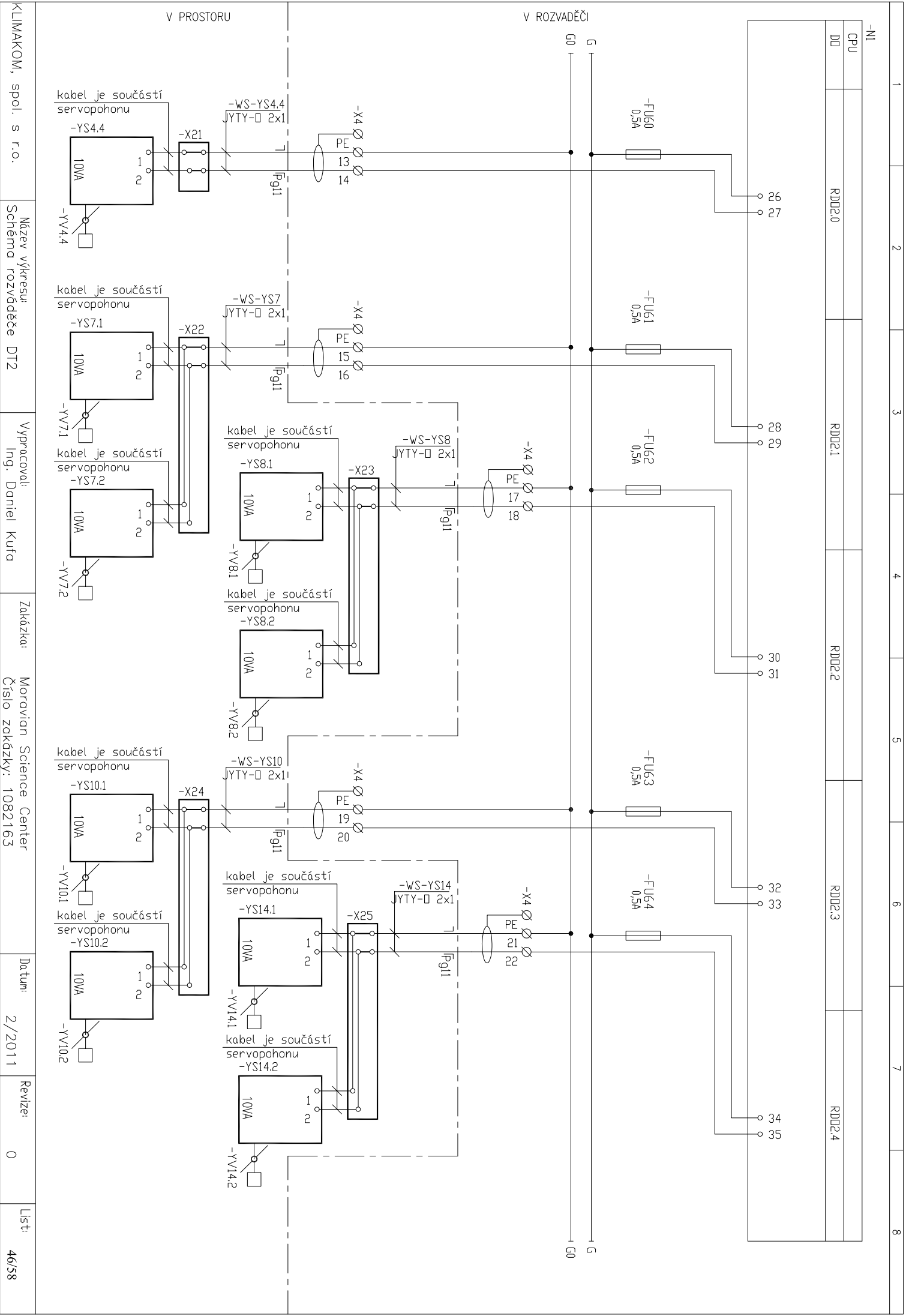
KLIMAKOM, spol. s r.o.	Název výkresu: Schéma rozváděče DT2	Vypracoval: Ing. Daniel Kuřa	Zakázka: Moravian Science Center Číslo zakázky: 1082163	Datum: 2/2011	Revize: 0	Lišt: 43/58
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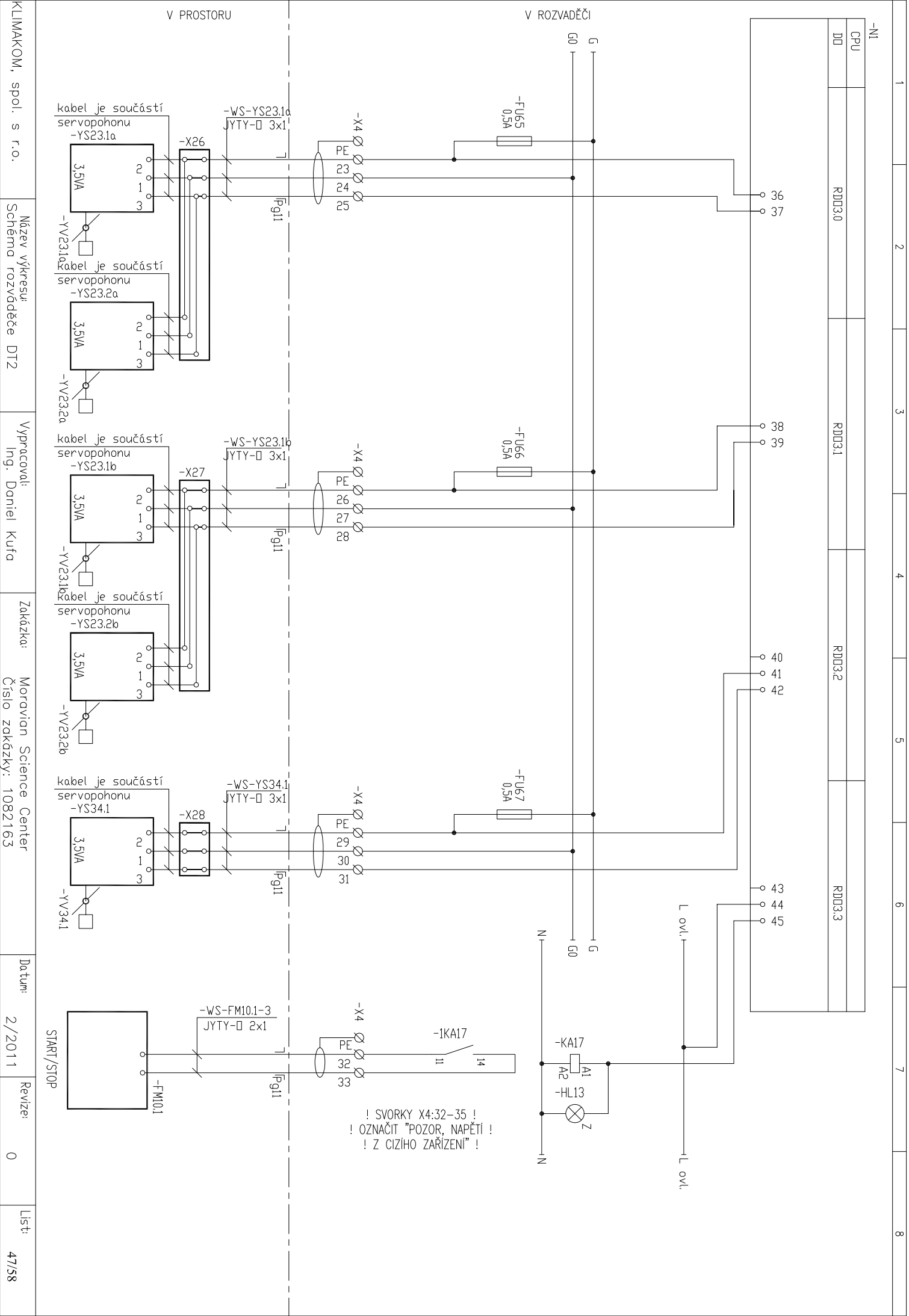
1	2	3	4	5	6	7	8
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-N1				
CPU				
DD	RDD0.0	RDD0.1	RDD0.2	RDD0.3 RDD0.4

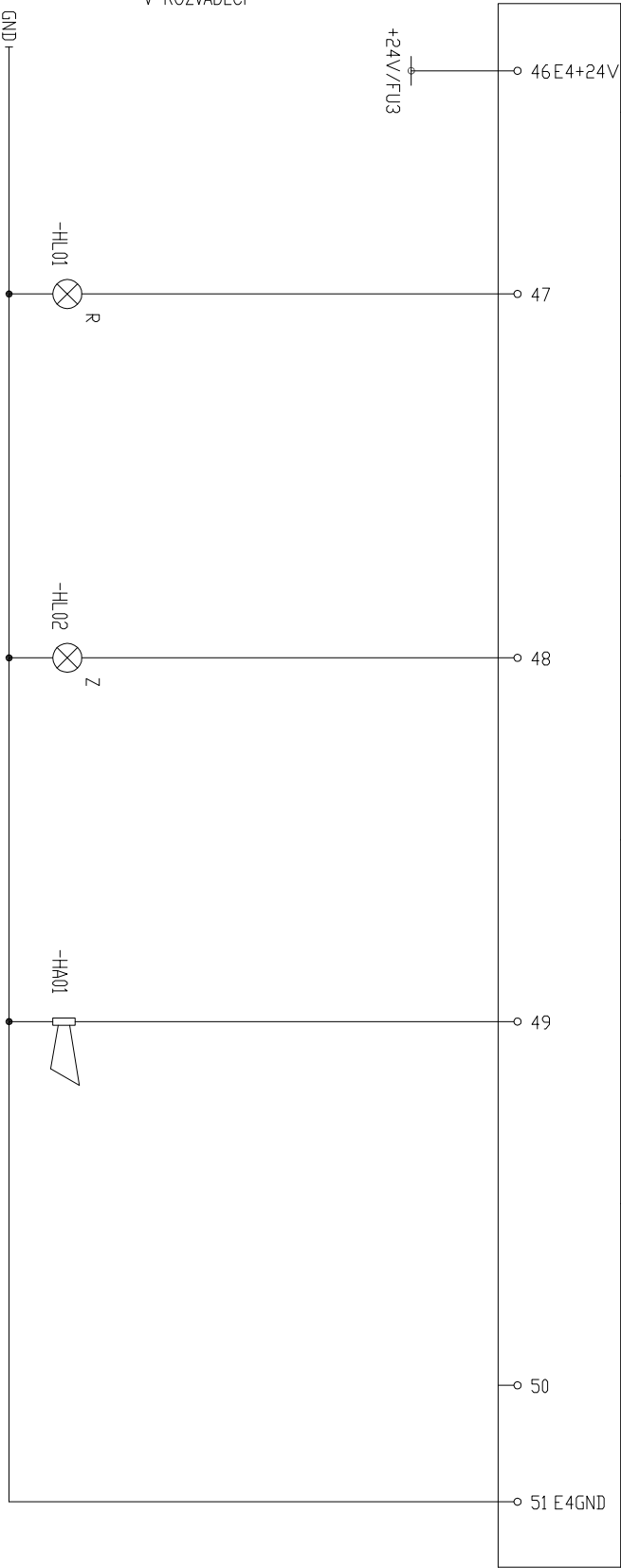




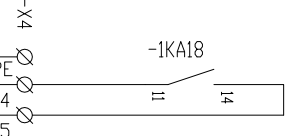
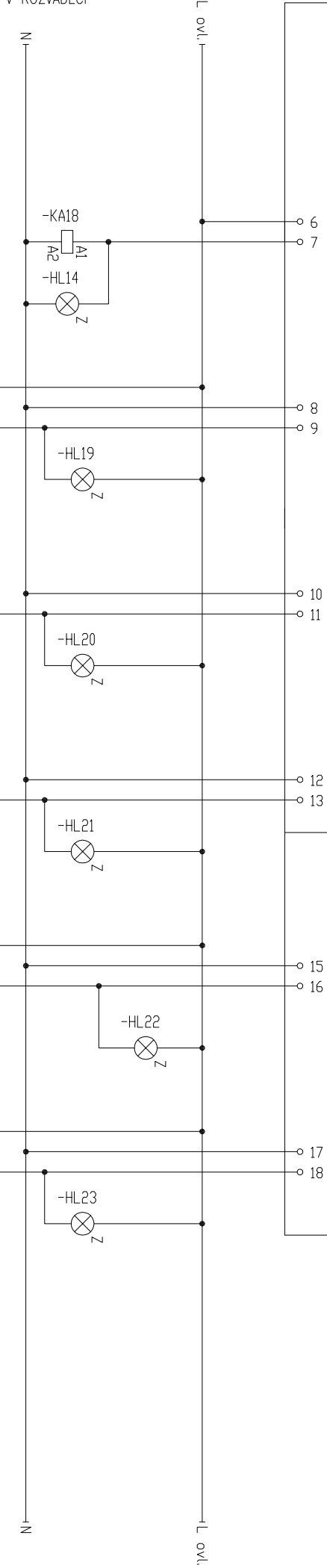




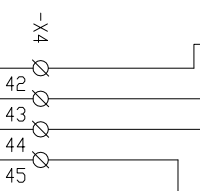
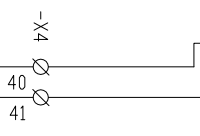
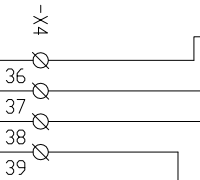
-NI					
CPU					
DD	DD4.0	DD4.1	DD4.2	DD4.3	



-N11						
12x 20		RL0		RL1		RL2
R00				RL3		RL4
						RL5

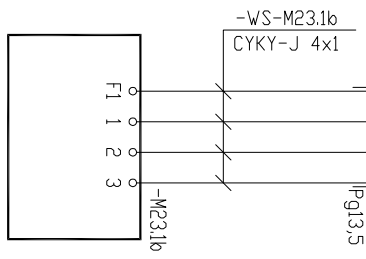
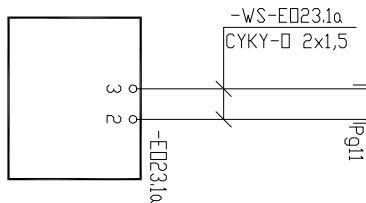
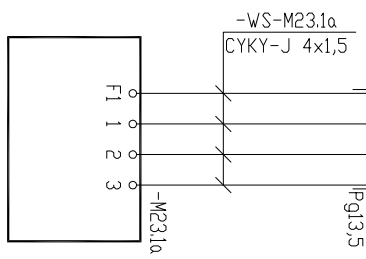
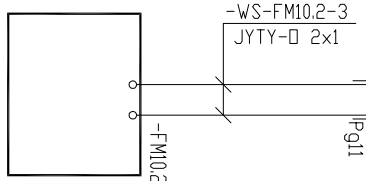


! SVORKY X4:32-35 !
! OZNAČIT "POZOR, NAPĚTÍ !"
! Z CIZÍHO ZAŘÍZENÍ !

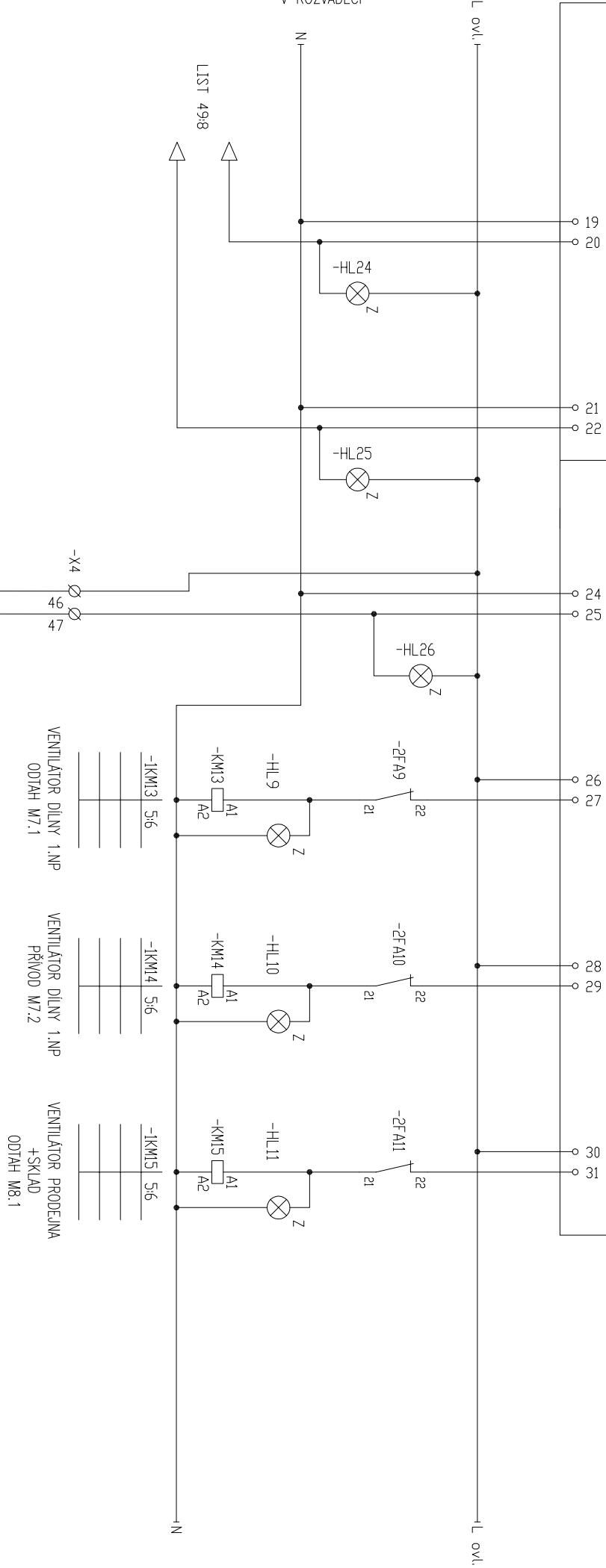


LIST 50:1

V PROSTORU

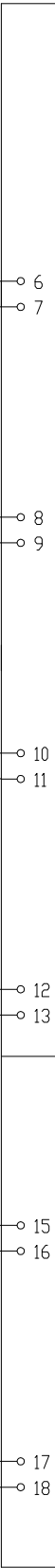


-N11						
12x D0						
R00	RL6	RL7	RL8	RL9	RL10	RL11



-N12

12x DD					
RDD	RL0	RL1	RL2	RL3	RL4
					RL5



L ovl.1

L ovl.

-2FA12

22

21

-HL12

Z

-KM16

A1

A2

N

-1KM16

5/6

N

-1KA1

9/1

A1

A2

VENTILATOR PRODEJNA

+SKLAD

PŘÍVOD M8.2

OVLADANI VENTILATOR

M3.1

OVLADANI VENTILATOR

M3.1

OVLADANI VENTILATOR

M3.2

OVLADANI VENTILATOR

M3.2

OVLADANI VENTILATOR

M4.1

-1KA2

9/2

A1

A2

-1KA4

9/3

A1

A2

-1KA5

9/4

A1

A2

-1KA7

9/1

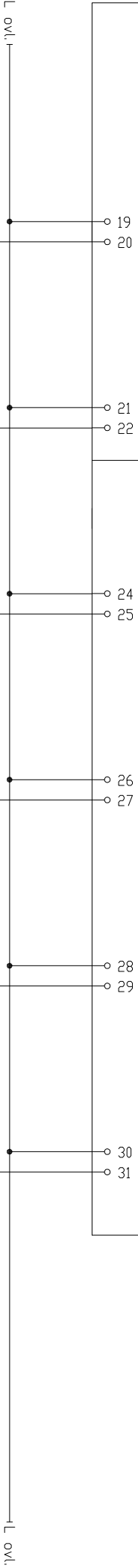
A1

A2

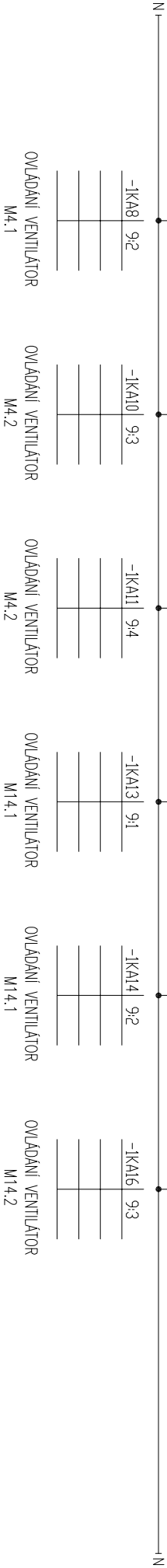
V PROSTORU

V ROZVADĚČI

-N12						
12x JD						
RDD	RL6	RL7	RL8	RL9	RL10	RL11



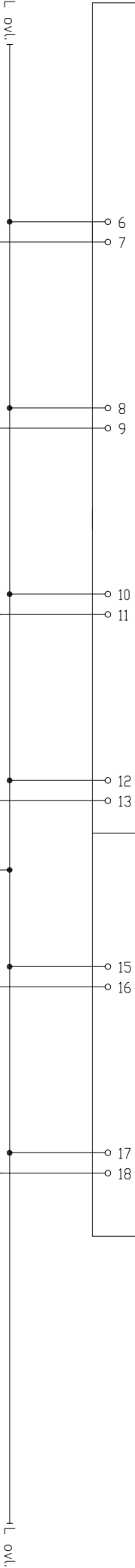
V ROZVADĚČI



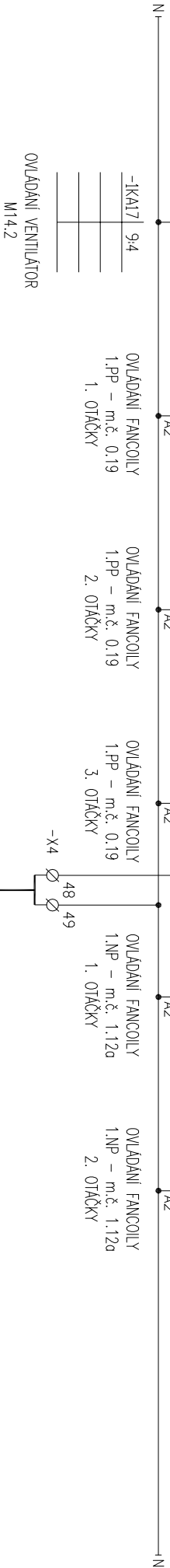
V PROSTORU

-M13

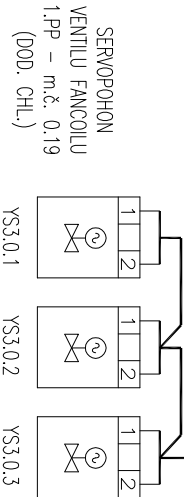
12x DD					
RDD	RL0	RL1	RL2	RL3	RL4
					RL5



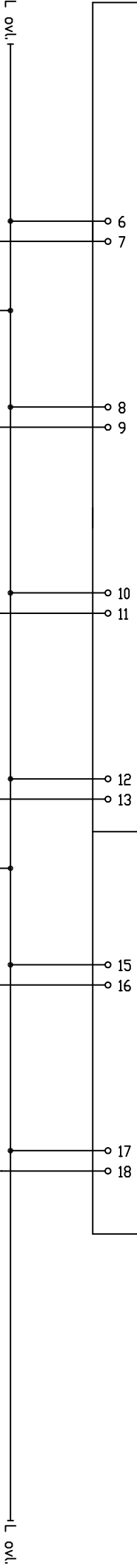
V ROZVADĚČI



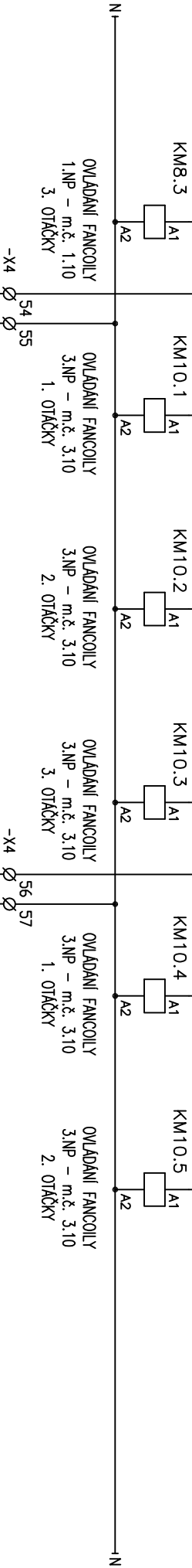
V PROSTORU



-N14						
12x 20						
R00	RL0	RL1	RL2	RL3	RL4	RL5



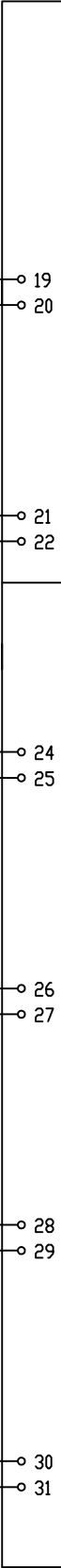
V ROZVADĚČI



V PROSTORU



-N14						
12x 00	RL6	RL7	RL8	RL9	RL10	RL11
R00						



L ovl. L ovl.

V ROZVADĚČI

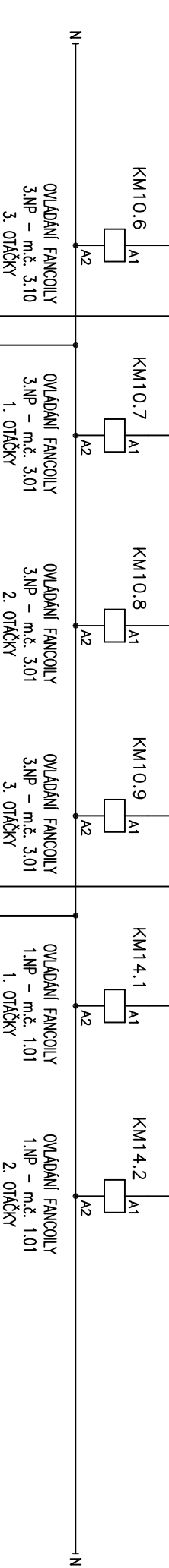


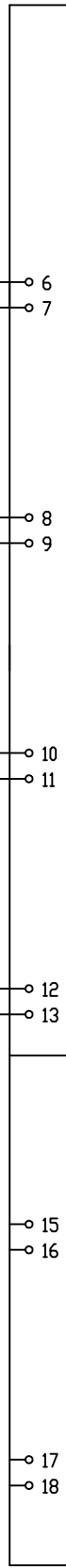
Fig11

Fig11

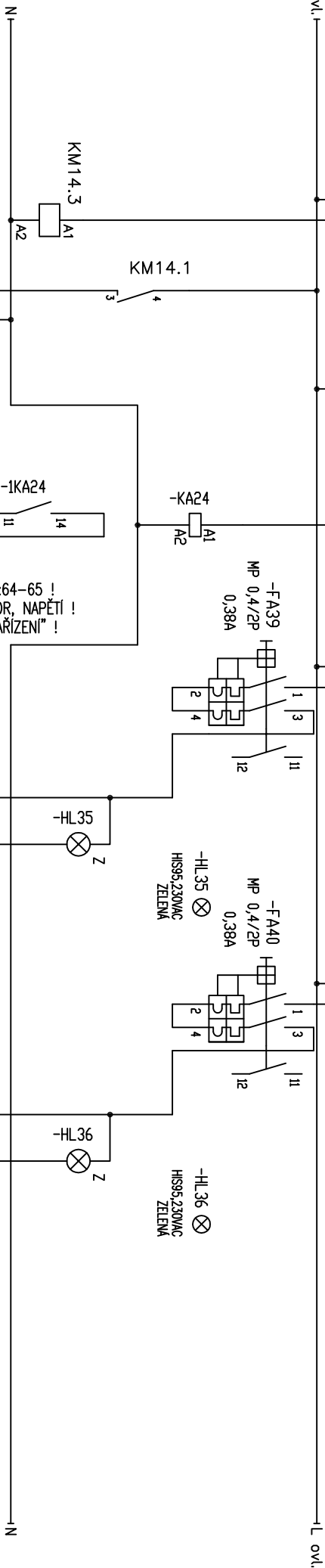
V PROSTORU



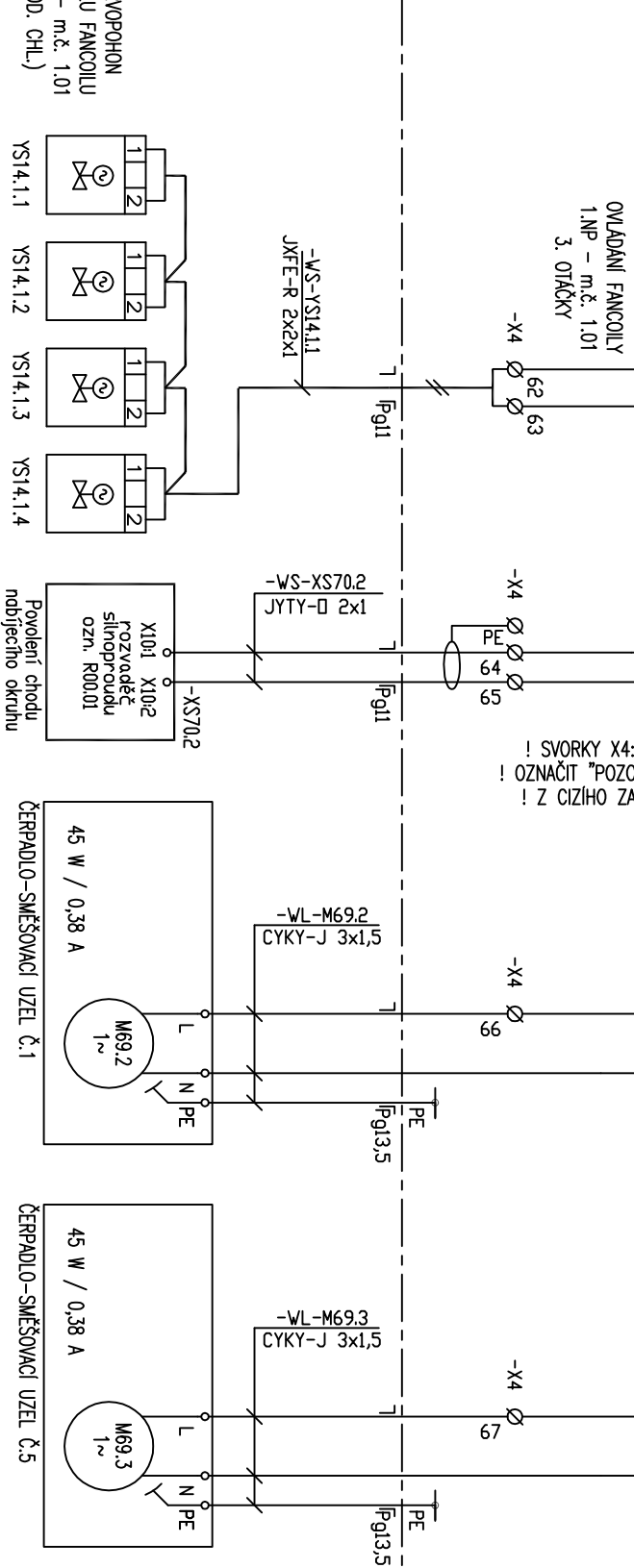
-N15							
12x 00							
R00	RL0	RL1	RL2	RL3	RL4	RL5	



V ROZVADĚČI



V PROSTORU



-N15

12x 30						
RD	RL6	RL7	RL8	RL9	RL10	RL11
19 20		21 22	24 25	26 27	28 29	30 31

L ovl. _____ L ovl.

V ROZVADĚČI

N _____ N

V PROSTORU