

## OBSAH:

|      |                                 |
|------|---------------------------------|
| 8001 | Počítače osí vaňa 1             |
| 8002 | Počítače osí vaňa 2             |
| 8003 | Počítače osí - úsek 8KO a 9KO   |
| 8004 | Počítače osí - úsek 10KO a 1AKO |
| 8005 | Počítače osí - úsek 1BKO a 1KO  |
| 8006 | Počítače osí - úsek 2KO a 3KO   |
| 8007 | Počítače osí - nulovanie úsekov |
| 8008 | Počítače osí - smerové výstupy  |
| 8009 | Informácie o voľnosti úsekov    |
| 8010 | Prenos do ŽST Nitra             |
| 8011 | Miestna obsluha                 |
| 8012 | Zapojenie VTO                   |

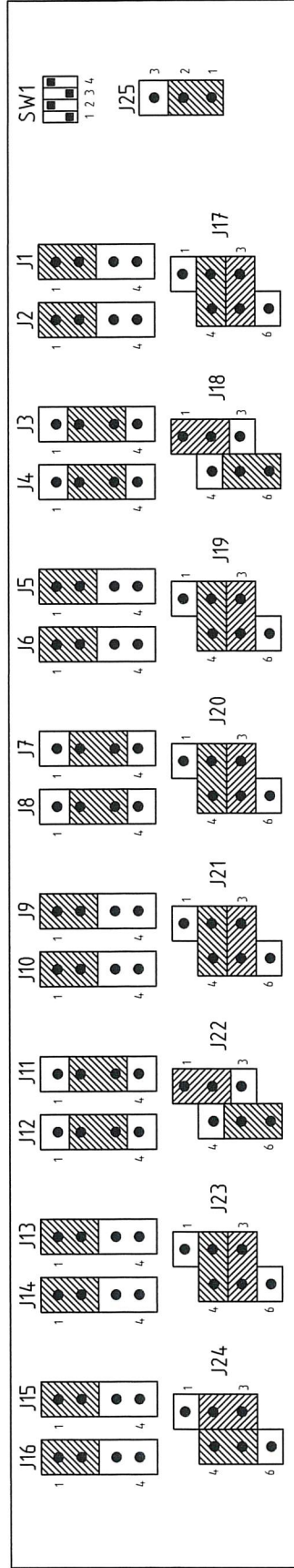


|                                                                                         |             |                                                                                                                                                                                    |                                                          |
|-----------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
|    |             | ALAM s.r.o., Nezábudková 40, 821 01 BRATISLAVA<br>web: www.alam.sk, mail: alam@alam.sk, tel.: 0248203232, fax: 02/48203233                                                         |                                                          |
| Zhotoviteľ objektu:                                                                     |             | PROJEKTOVANIE ZABEZPEČOVACÍCH A OZNAMOVACÍCH ZARIADENÍ<br>PROJEKT SIGNAL s.r.o., Ružinovská 1G, 821 02 BRATISLAVA<br>tel.: 00421-(0)2-5828 2310, email: projekcia@projektsignal.sk |                                                          |
| VYPRACOVAL: ING. GUSPAN<br>ING. MARIŇÁK                                                 |             | ZODPOVEDNÝ PROJEKTANT: ING. GUSPAN                                                                                                                                                 |                                                          |
| DÁTUM: 07/2015                                                                          | FORMÁT: xA4 | MIERKA:                                                                                                                                                                            | ZÁKAZKOVÉ ČÍSLO: 99-300-F11-01                           |
| OBJEDNÁVATEĽ: Mesto Nitra, Štefánikova trieda 60, 950 06 Nitra                          |             |                                                                                                                                                                                    | STUPEŇ PD:<br>DRS<br>PARÉ Č.:<br>2<br>VÝKRES Č.:<br>8000 |
| NÁZOV STAVBY: CYKLOTRASA - DIEĽY - KLOKOČINA                                            |             |                                                                                                                                                                                    |                                                          |
| OBJEKT: SO 04 - Priecestné zabezpečovacie zariadenie na ulici Štúrova - Nová cyklotrasa |             |                                                                                                                                                                                    |                                                          |
| NÁZOV VÝKRESU: Počítače osí na PZZ v km 36,435                                          |             |                                                                                                                                                                                    |                                                          |

# Panel počítača osí P1

| MPU | UP | Krycí panel | UP | Krycí panel | UP | UP | RE | RE  | Krycí panel | ZANAP | DC 12 |
|-----|----|-------------|----|-------------|----|----|----|-----|-------------|-------|-------|
|     | P1 |             | P2 |             | P3 |    | P4 | P5  |             |       |       |
|     |    |             |    |             |    |    |    | 8KO | 10KO        |       |       |
|     |    |             |    |             |    |    |    | 9KO | 1AKO        |       |       |

Pohľad na panel  
B023-UNUR  
spredú



Nastavenie snímačov osí  
zozadu zariadenia  
B023-UNUR

|       |       |     |     |       |
|-------|-------|-----|-----|-------|
| X2:19 | RSTT+ |     | FR1 | X5:16 |
| X2:8  | RSTT- |     | FR2 | X5:25 |
| X2:20 | RSTS+ |     | FR3 | X5:17 |
| X2:7  | RSTS- |     | OC1 | X5:28 |
| X2:15 | TC1   | 8KO | OC2 | X5:19 |
| X2:11 | TC2   |     | OC3 | X5:27 |
| X2:13 | TC3   |     | TC4 | X5:26 |
| X2:14 | T01   |     | T02 | X5:18 |
| X9:11 | RSTT+ |     | FR1 | X9:18 |
| X5:21 | RSTT- |     | FR2 | X5:22 |
| X5:20 | RSTS+ |     | FR3 | X5:23 |
| X9:10 | RSTS- | 9KO | OC1 | X5:15 |
| X9:19 | TC1   |     | OC2 | X5:14 |
| X9:13 | TC2   |     | OC3 | X5:24 |
| X9:17 | TC3   |     | TC4 | X9:16 |
| X9:20 | T01   |     | T02 | X9:6  |

|       |       |      |     |       |
|-------|-------|------|-----|-------|
| X2:5  | RSTT+ |      | FR1 | X5:1  |
| X1:2  | RSTT- |      | FR2 | X5:11 |
| X2:6  | RSTS+ |      | FR3 | X5:2  |
| X1:1  | RSTS- |      | OC1 | X1:9  |
| X2:1  | TC1   | 10KO | OC2 | X1:8  |
| X1:5  | TC2   |      | OC3 | X5:13 |
| X1:7  | TC3   |      | TC4 | X5:12 |
| X1:10 | T01   |      | T02 | X5:3  |
|       | RSTT+ |      | FR1 |       |
|       | RSTT- |      | FR2 |       |
|       | RSTS+ |      | FR3 |       |
|       | RSTS- | 1AKO | OC1 |       |
|       | TC1   |      | OC2 |       |
|       | TC2   |      | OC3 |       |
|       | TC3   |      | TC4 |       |
|       | T01   |      | T02 |       |

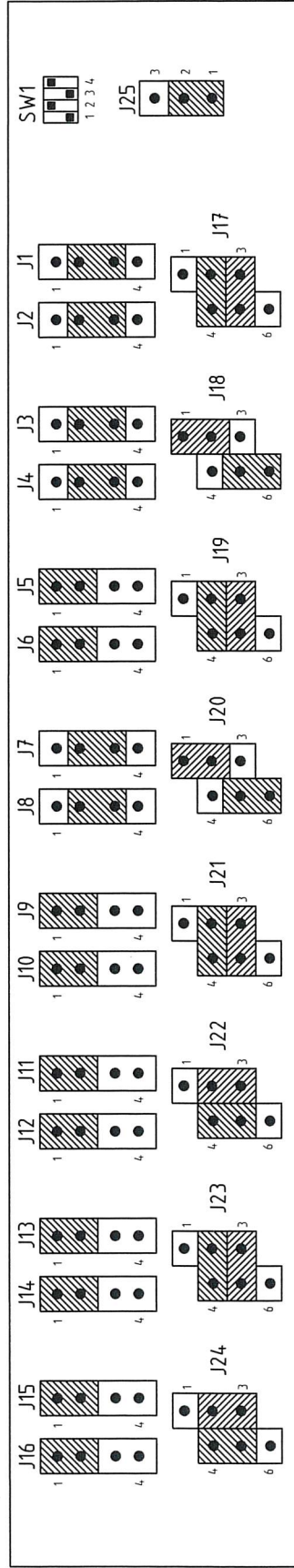
|  |       |  |     |  |
|--|-------|--|-----|--|
|  | RSTT+ |  | FR1 |  |
|  | RSTT- |  | FR2 |  |
|  | RSTS+ |  | FR3 |  |
|  | RSTS- |  | OC1 |  |
|  | TC1   |  | OC2 |  |
|  | TC2   |  | OC3 |  |
|  | TC3   |  | TC4 |  |
|  | T01   |  | T02 |  |
|  | RSTT+ |  | FR1 |  |
|  | RSTT- |  | FR2 |  |
|  | RSTS+ |  | FR3 |  |
|  | RSTS- |  | OC1 |  |
|  | TC1   |  | OC2 |  |
|  | TC2   |  | OC3 |  |
|  | TC3   |  | TC4 |  |
|  | T01   |  | T02 |  |

|      |    |      |
|------|----|------|
| BT1- | P1 | BT1+ |
| BT2- |    | BT2+ |
| BT3- | P2 | BT3+ |
| BT4- |    | BT4+ |
| BT5- | P3 | BT5+ |
| BT6- |    | BT6+ |
| BT7- | P4 | BT7+ |
| BT8- | P5 | BT8+ |

2

|     |             |  |             |          |             |          |             |          |                       |                      |             |       |
|-----|-------------|--|-------------|----------|-------------|----------|-------------|----------|-----------------------|----------------------|-------------|-------|
| MPU | Krycí panel |  | Krycí panel | P7<br>UP | Krycí panel | P8<br>UP | Krycí panel | P9<br>UP | RE<br><br>1BKO<br>1KO | RE<br><br>2KO<br>3KO | Krycí panel | ZANAP |
|     | DC 12       |  |             |          |             |          |             |          |                       |                      |             |       |

Nastavenie snímačov osí  
zozadu zariadenia  
B023-UNUR



|       |       |      |     |       |
|-------|-------|------|-----|-------|
| X2:19 | RSTT+ |      | FR1 | X5:16 |
| X2:8  | RSTT- |      | FR2 | X5:25 |
| X2:20 | RSTs+ |      | FR3 | X5:17 |
| X2:7  | RSTs- |      | OC1 | X5:28 |
| X2:15 | TC1   | 1BK0 | OC2 | X5:19 |
| X2:11 | TC2   |      | OC3 | X5:27 |
| X2:13 | TC3   |      | TC4 | X5:26 |
| X2:14 | T01   |      | T02 | X5:18 |
| X9:11 | RSTT+ |      | FR1 | X9:18 |
| X5:21 | RSTT- |      | FR2 | X5:22 |
| X5:20 | RSTs+ |      | FR3 | X5:23 |
| X9:10 | RSTs- | 1K0  | OC1 | X5:15 |
| X9:19 | TC1   |      | OC2 | X5:14 |
| X9:13 | TC2   |      | OC3 | X5:24 |
| X9:17 | TC3   |      | TC4 | X9:16 |
| X9:20 | T01   |      | T02 | X9:6  |

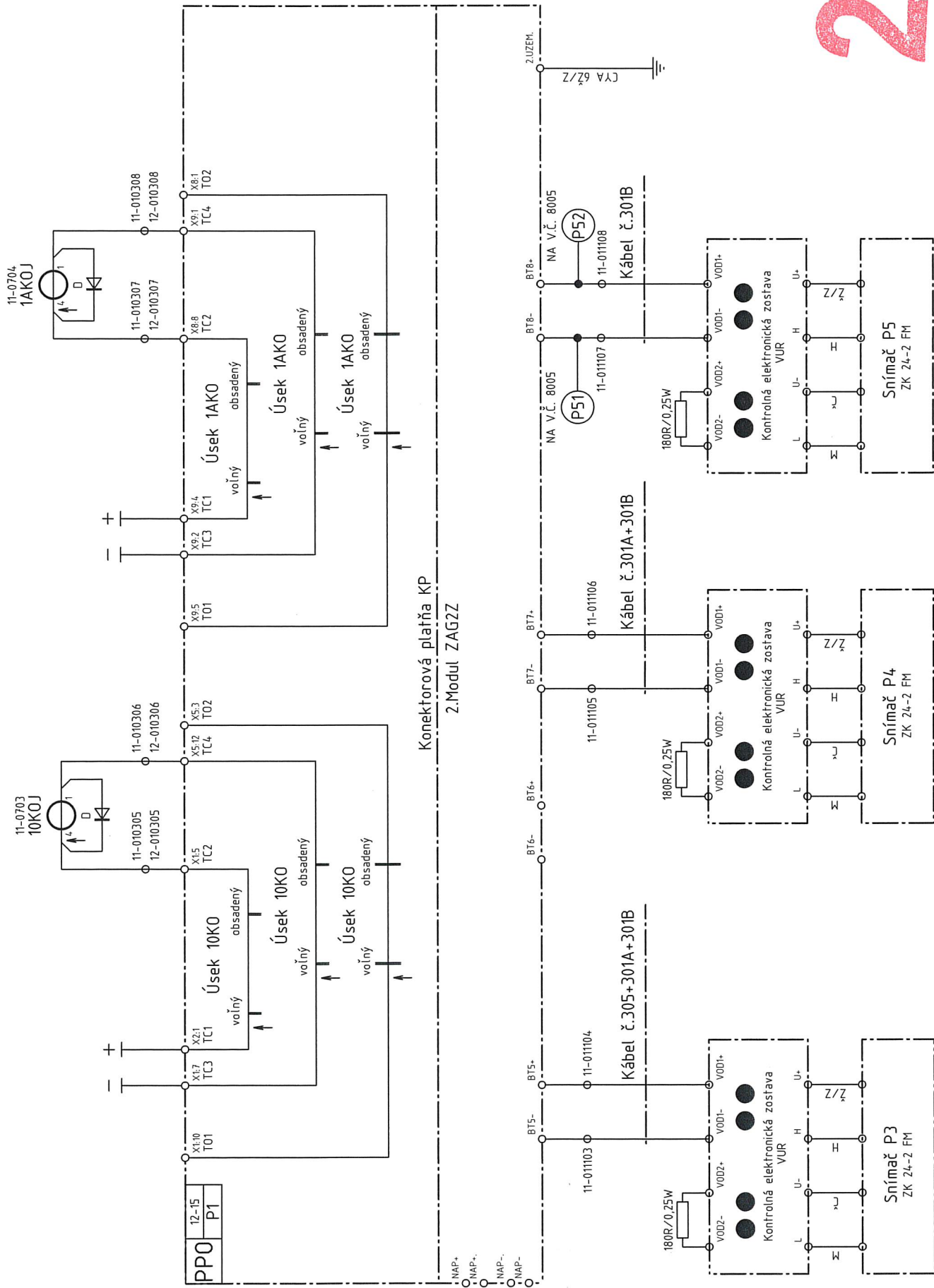
|       |       |     |     |       |
|-------|-------|-----|-----|-------|
| X2.5  | RSTT+ |     | FR1 | X5.1  |
| X1.2  | RSTT- |     | FR2 | X5.11 |
| X2.6  | RSTS+ |     | FR3 | X5.2  |
| X1.1  | RSTS- |     | OC1 | X1.9  |
| X2.1  | TC1   | 2K0 | OC2 | X1.8  |
| X1.5  | TC2   |     | OC3 | X5.13 |
| X1.7  | TC3   |     | TC4 | X5.12 |
| X1.10 | T01   |     | T02 | X5.3  |
|       | RSTT+ |     | FR1 |       |
|       | RSTT- |     | FR2 |       |
|       | RSTS+ |     | FR3 |       |
|       | RSTS- | 3K0 | OC1 |       |
|       | TC1   |     | OC2 |       |
|       | TC2   |     | OC3 |       |
|       | TC3   |     | TC4 |       |
|       | T01   |     | T02 |       |

|  |       |     |
|--|-------|-----|
|  | RSTT+ | FR1 |
|  | RSTT- | FR2 |
|  | RSTS+ | FR3 |
|  | RSTS- | OC1 |
|  | TC1   | OC2 |
|  | TC2   | OC3 |
|  | TC3   | TC4 |
|  | TO1   | TO2 |
|  | RSTT+ | FR1 |
|  | RSTT- | FR2 |
|  | RSTS+ | FR3 |
|  | RSTS- | OC1 |
|  | TC1   | OC2 |
|  | TC2   | OC3 |
|  | TC3   | TC4 |
|  | TO1   | TO2 |

|      |      |      |
|------|------|------|
| BT1- | (P5) | BT1+ |
| BT2- |      | BT2+ |
| BT3- | P6   | BT3+ |
| BT4- |      | BT4+ |
| BT5- | P7   | BT5+ |
| BT6- |      | BT6+ |
| BT7- | P8   | BT7+ |
| BT8- | P9   | BT8+ |







2

# NOVÝ VÝKRES



ELCAD-NITRA-PZZ/PZZ/8004

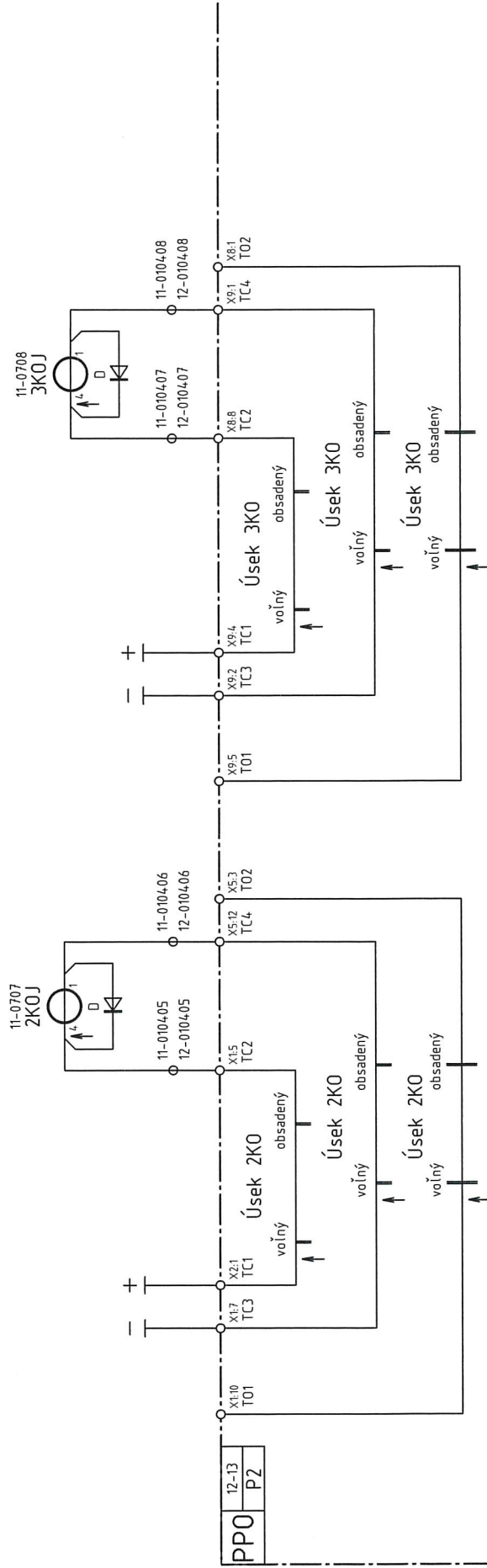
CYKLOTRASA-DIELY-KLOKOCINA  
AKCIA: 50.04-PZZ na ulici Štúrova

VÝKRES: Počítače osí - úsek 10KO a 1AKO

8004

13.12016

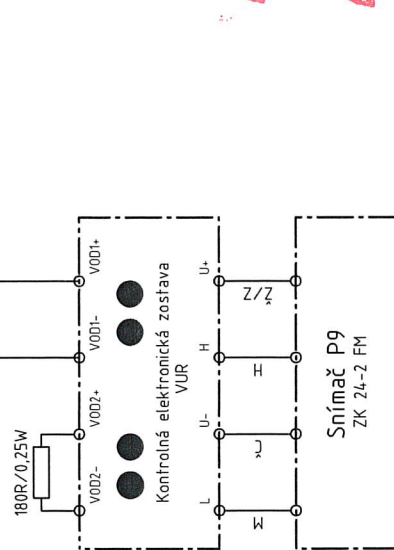
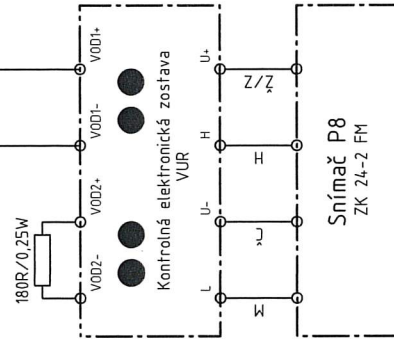
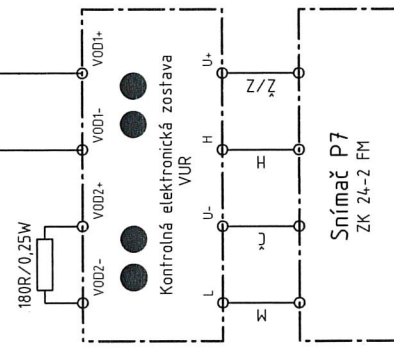
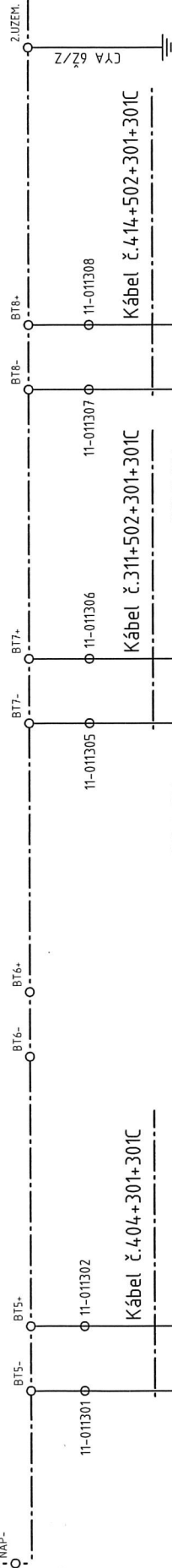




Konektorová platňa KP

2.Modul ZAGZZ

NAP+  
NAP-  
NAP+  
NAP-



2

NOVÝ VÝKRES

ELCAD-NITRA-PZZ/PZZ/8006

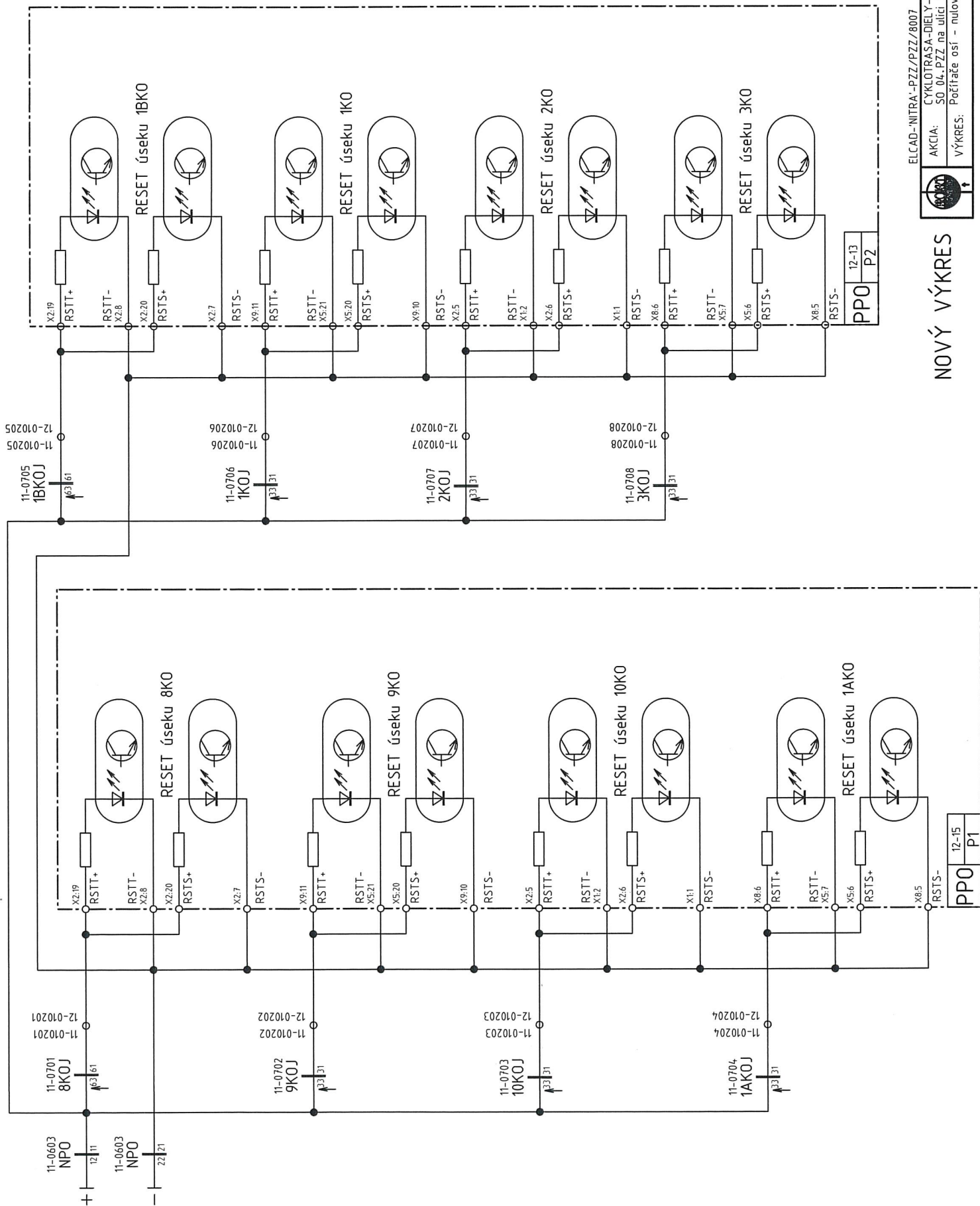
13.12.2016

AKCIA: CYKLOTRASA-DIELY-KLOKOCINA  
50 04-PZZ na ulici Štúrova  
Počítače osí - úsek 2KO a 3KO

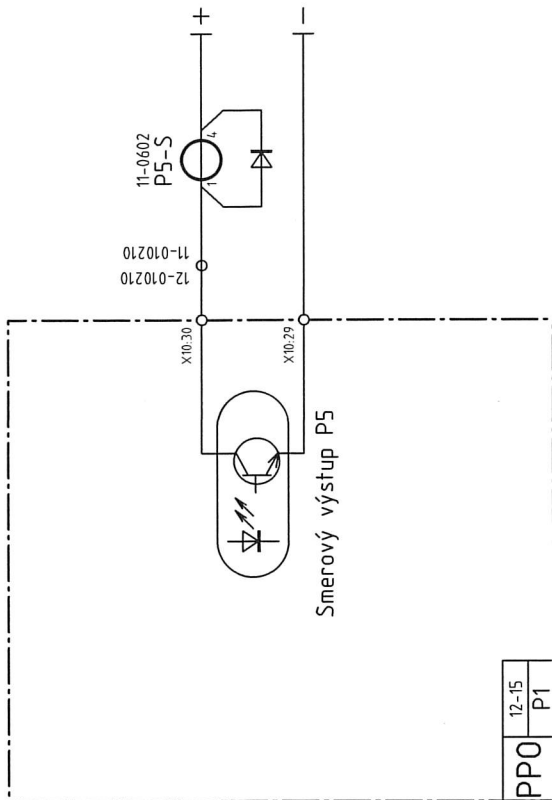
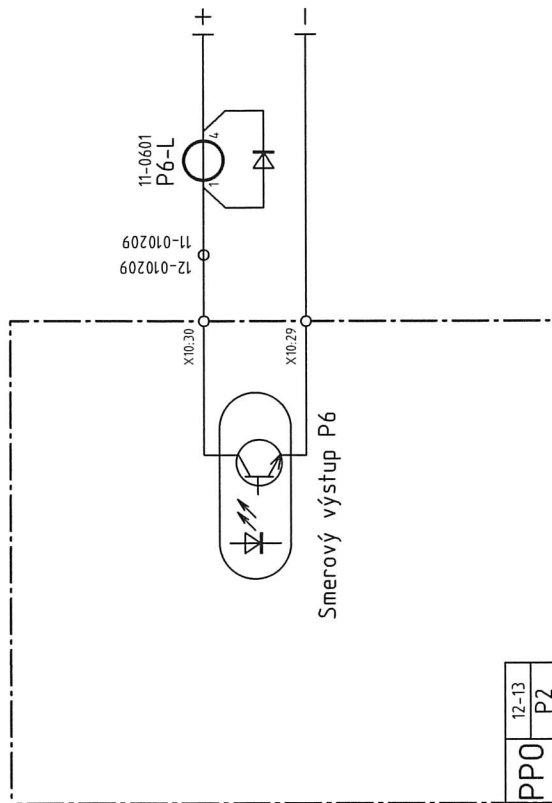


8006

VÝKRES:



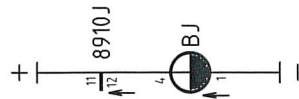
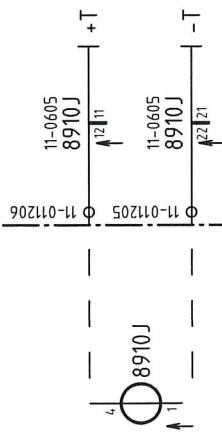
2



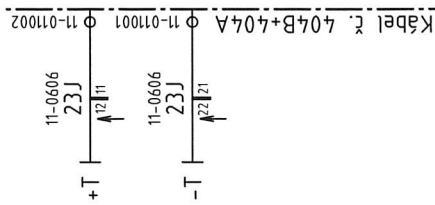
2

PZZ "M"

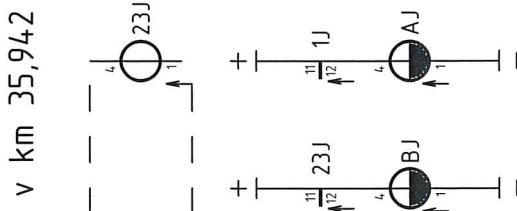
v km 37,861



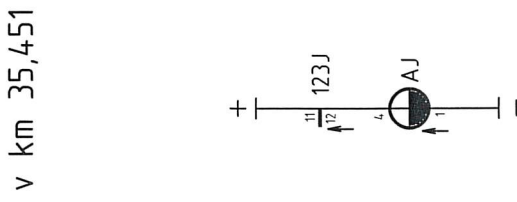
PZZ v km 36,435



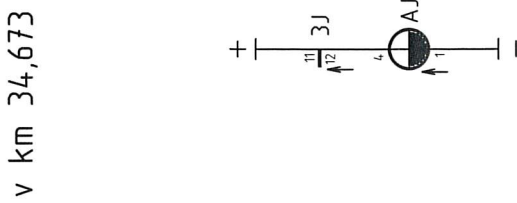
PZZ "A"



PZZ "B"



PZZ "C"



Kábel č. 503N+503

Kábel č. 502

Kábel č. 512

2

NOVÝ VÝKRES



ELCAD-NITRA-PZZ/PZZ/8009  
AKCIA: CYKLOTRASA-DIELY-KLOKOCINA  
50.04-PZZ na ulici Štúrova  
VÝKRES: Informácie o voľnosti úsekov

18.8.2015

8009

# PZZ "A" PZZ "B" PZZ "C"

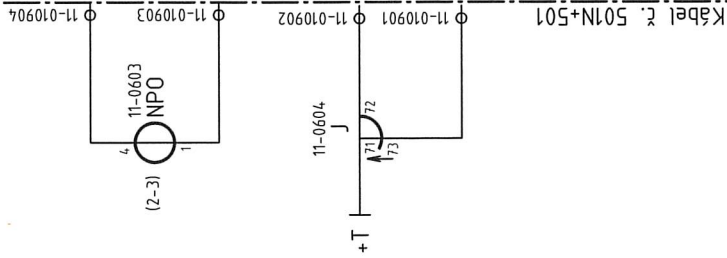
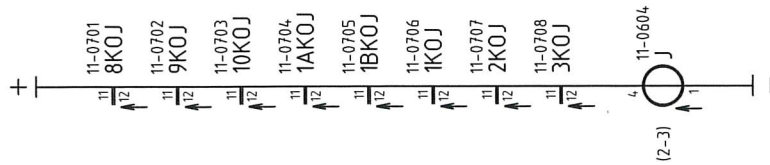
PZZ v km 36,435

v km 35,942

v km 35,451

v km 34,673

R1



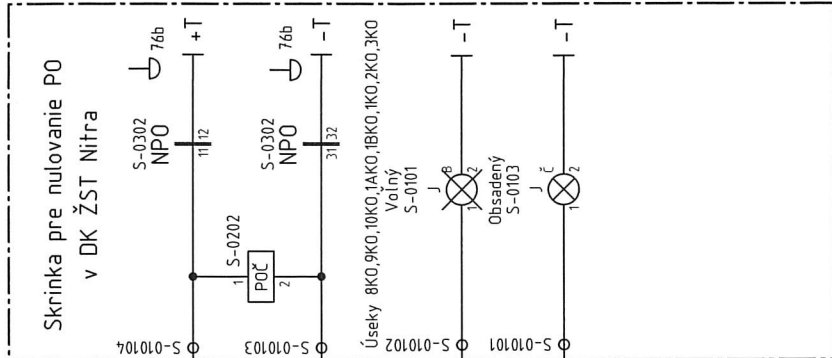
Kábel č. 501N+501

Kábel č. 502

Kábel č. 512

Kábel č. 522

Kábel č. 526



Skrinka pre nulovanie P0 na PZZ v km 36,435 v DK v ŽST Nitra

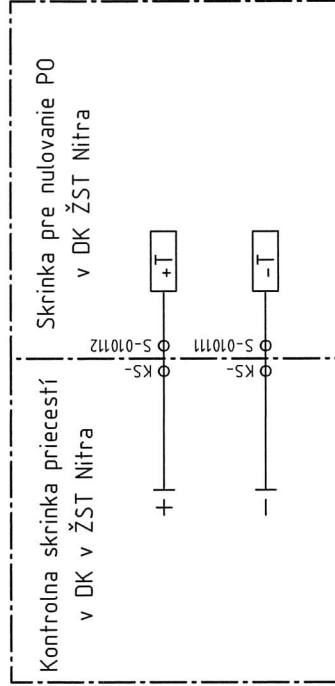
Nulovanie počítača osí



POČ.

Úseky 8K0, 9K0, 10K0, 1AK0, 1BK0, 1K0, 2K0, 3K0

Voľný Obsadený



Kontrolna skrinka priecestí v DK v ŽST Nitra

Skrinka pre nulovanie P0 v DK ŽST Nitra

2

NOVÝ VÝKRES

ELCAD-NITRA-PZZ/PZZ/8010

18.8.2015

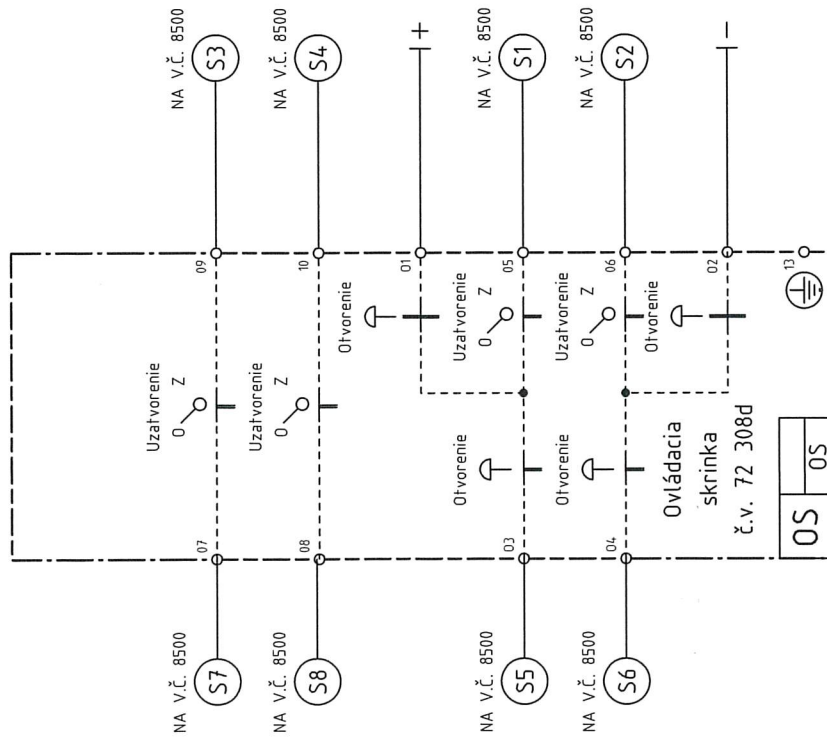
AKCIA: CYKLOTRASA-DIELY-KLOKČINA

50.04-PZZ na ulici Štúrova

VÝKRES: Prenos do ŽST Nitra



8010

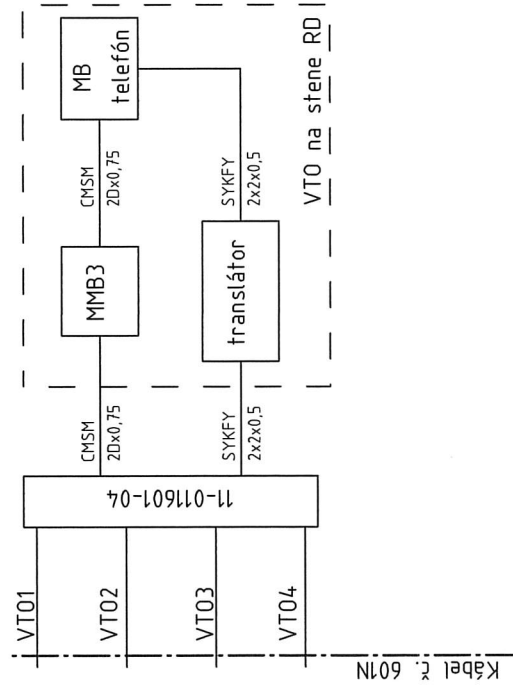


2

|                          |                             |           |
|--------------------------|-----------------------------|-----------|
| ELCAD-NITRA-PZZ/PZZ/8011 |                             | 18.8.2015 |
| AKCIA:                   | CYKLOTRASA-DIELY-KLOKČINA   |           |
|                          | SO 04.-PZZ na ulici Štúrova |           |
| VÝKRES:                  | Miestna obsluha             |           |
| 8011                     |                             |           |

NOVÝ VÝKRES

Priestestie v km 36,435



2

NOVÝ VÝKRES

|  |                                   |      |           |
|--|-----------------------------------|------|-----------|
|  | ELCAD-'NITRA'-PZZ/PZZ/8012        |      | 18.8.2015 |
|  | CYKLOTRASA-DIELY-KLOKOCINA        |      |           |
|  | AKCIA: S0.04-PZZ na ulici Štúrova | 8012 |           |
|  | VÝKRES: Zapojenie VTO             |      |           |