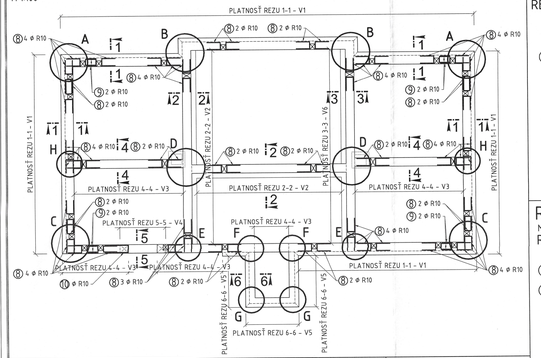
# PODORYS - VÝSTUŽ VENCOU - ČASŤ A

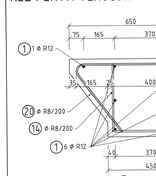
M 1:100




## REZ 1-1 - REZ VENCOM V1

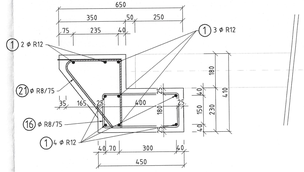
M 1:10

REZ PLNÝM VENOCOM V1




1 ø R12, dĺ. 520 m

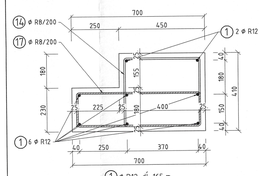
REZ VENCOM V1 - V MIESTE ULOŽENIA TRAMU




## REZ 2-2 - REZ VENCOM V2

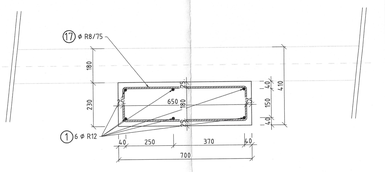
M 1:10

REZ PLNÝM VENOCOM V2




1 ø R12, dĺ. 165 m

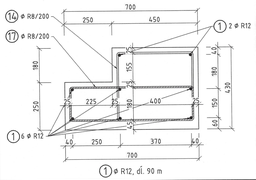
REZ VENCOM V2 - V MIESTE ULOŽENIA TRAMU




## REZ 3-3 - REZ VENCOM V6

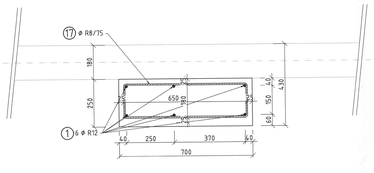
M 1:10

REZ PLNÝM VENOCOM V6




1 ø R12, dĺ. 90 m

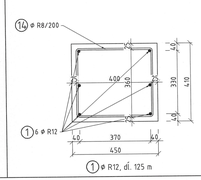
REZ VENCOM V6 - V MIESTE ULOŽENIA TRAMU




## REZ 4-4 - REZ VENCOM V3

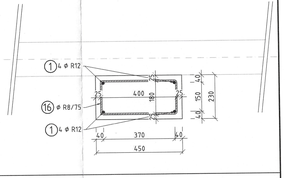
M 1:10

REZ PLNÝM VENOCOM V3




1 ø R12, dĺ. 125 m

REZ VENCOM V3 - V MIESTE ULOŽENIA TRAMU




## DETAIL A - DETAIL PREVIAZANIA ROHU

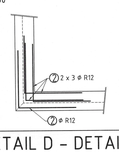
M 1:50

HORNÁ ÚROVEŇ

DOLNÁ ÚROVEŇ

## DETAIL G

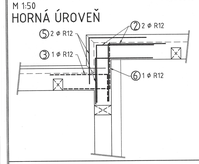
M 1:50



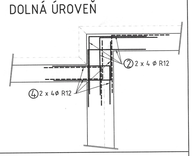

## DETAIL B - DETAIL PREVIAZANIA ROHU

M 1:50

HORNÁ ÚROVEŇ



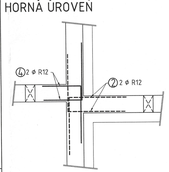

DOLNÁ ÚROVEŇ



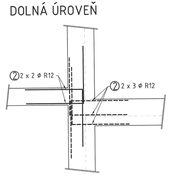

## DETAIL D - DETAIL PREVIAZANIA VENCOV

M 1:50

HORNÁ ÚROVEŇ



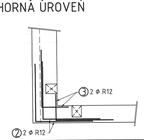

DOLNÁ ÚROVEŇ




## DETAIL C - DETAIL PREVIAZANIA ROHU

M 1:50

HORNÁ ÚROVEŇ

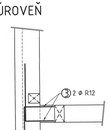



DOLNÁ ÚROVEŇ

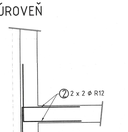
## DETAIL H - DETAIL PREVIAZANIA VENCOV

M 1:50

HORNÁ ÚROVEŇ



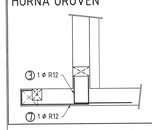

DOLNÁ ÚROVEŇ




## DETAIL E - DETAIL PREVIAZANIA VENCOV

M 1:50

HORNÁ ÚROVEŇ

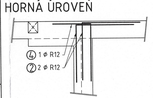



DOLNÁ ÚROVEŇ

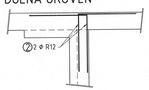
## DETAIL F - DETAIL PREVIAZANIA VENCOV

M 1:50

HORNÁ ÚROVEŇ

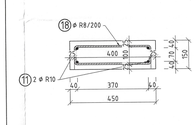



DOLNÁ ÚROVEŇ

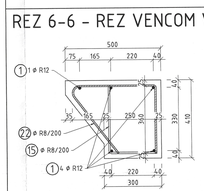



## REZ 5-5 - REZ VENCOM V4

M 1:50



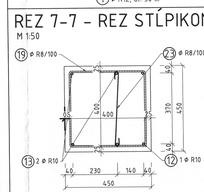

## REZ 6-6 - REZ VENCOM V5




1 ø R12, dĺ. 50 m

## REZ 7-7 - REZ STĹPIKOM S1

M 1:50

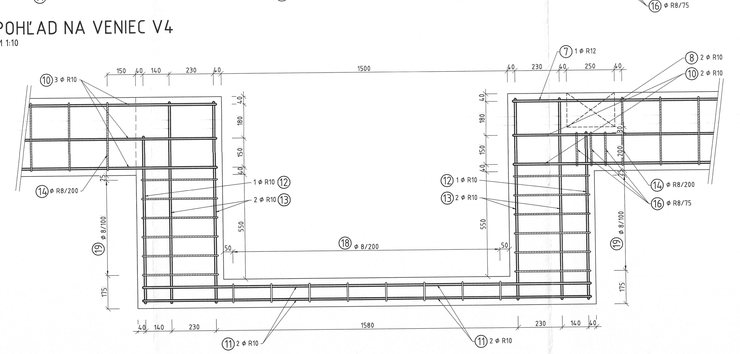



## PODORYSNÝ POHĽAD NA VENIEC V4

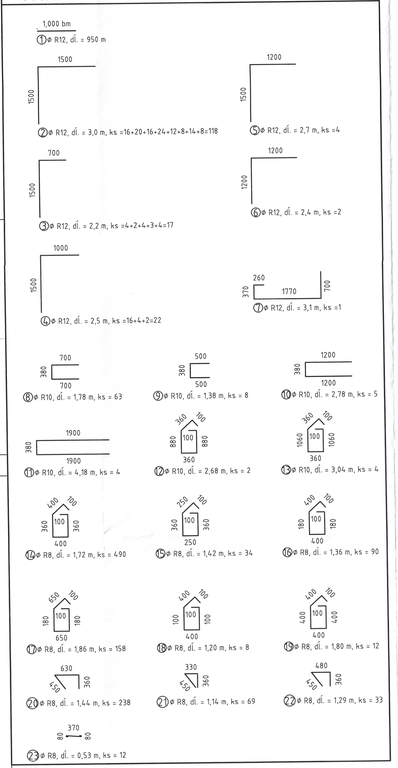
M 1:10

## POHĽAD NA VENIEC V4

M 1:10




## VÝŤAH VÝSTUŽE




## VÝKAZ VÝSTUŽE

| POZÍCIA | POČET | Ø [mm] | DĹŽKA PRÚTA [m] | CELKOVÁ DĹŽKA [m] |
|---|---|---|---|---|
| 1 | 1bm | 12 | * | 950 |
| 2 | 118 | 12 | 3 | 354.0000 |
| 3 | 17 | 12 | 2.2 | 37.4000 |
| 4 | 22 | 12 | 2.5 | 55.0000 |
| 5 | 4 | 12 | 2.7 | 10.8000 |
| 6 | 2 | 12 | 2.4 | 4.8000 |
| 7 | 1 | 12 | 3.1 | 3.1000 |
| 8 | 63 | 10 | 1.78 | 112.1400 |
| 9 | 8 | 10 | 1.38 | 11.0400 |
| 10 | 5 | 10 | 2.78 | 13.9000 |
| 11 | 4 | 10 | 4.38 | 16.7200 |
| 12 | 2 | 10 | 2.68 | 5.3600 |
| 13 | 4 | 10 | 3.04 | 12.1600 |
| 14 | 490 | 8 | 1.72 | 842.8000 |
| 15 | 34 | 8 | 1.42 | 48.2800 |
| 16 | 90 | 8 | 1.36 | 122.4000 |
| 17 | 158 | 8 | 1.86 | 293.8800 |
| 18 | 8 | 8 | 1.2 | 9.6000 |
| 19 | 12 | 8 | 1.8 | 21.6000 |
| 20 | 238 | 8 | 1.44 | 342.7200 |
| 21 | 69 | 8 | 1.14 | 78.6600 |
| 22 | 33 | 8 | 1.29 | 42.5700 |
| 23 | 12 | 8 | 0.53 | 6.3600 |

## CELKOVÉ MNOŽSTVO (OCEĽ 10 505(R))

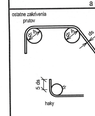
| Ø [mm] | [kg/m] | [m] | [kg] |
|---|---|---|---|
| 8 | 0.395 | 1809 | 714.5000 |
| 10 | 0.617 | 171 | 105.5070 |
| 12 | 0.888 | 1415 | 1256.3200 |
| CELKOVÉ MNOŽSTVO | | | 2076.5820 |

## MATERIÁL A KONŠTRUKČNÉ ZÁSADY

| Stavebný prvok | Pevnosť betónu | Stupeň vplyvu prostredia | Krytie výstuže | Druh betonárskej ocele |
|---|---|---|---|---|
| STUŽUJÚCE VENCE | C25/30 | XC4,XF1 | 25 mm | 10 505(R) |

Vnútorný priemer zakrivenia "dr" a presah hákov

Minimálna hodnota vnútorného priemeru zakrivenia výstuže




| | Priemer prúta | Háky, strmene |
|---|---|---|
| | < 20 | 4 db |
| | 20 až 28 | 7 db |
| Kryže výstuže kolmo k svahe dlhšiu | Ohyb a iné zakrivenia "dr /r" | |
| | >10cm a <15cm | 10 db |
| | >5cm a <3db | 15 db |
| | 40cm alebo 40db | 20 db |

14 Ø R8/200, ks = 490

Položka výstuže

Priemer výstuže v [mm]

Počet kusov výstuže

Vzájomná vzdialenosť osí prútov výstuže v [mm]

## POZNÁMKY

- Priebeh vencov prispôsobiť skutočnému tvaru nosných stien a existujúcich konštrukcií !
- Železobetonové konštrukcie zhotoviť v zmysle STN EN 1992-1-1
- Všetky rozmery porovnať s výkresmi ARCHITEKTA !
- Pri tvaroch betonárskej ocele sú uvedené vonkajšie rozmery
- Výstuž je kótovaná na os prúta
- V prípade nejasností konzultovať s projektantom !

| | |
|---|---|
| VEDÚCI PROJEKTU | Ing. arch. Marian ŠOVČÍK, CSc. |
| PROFESIA | STATIKA |
| ZODPOVEDNÝ PROJEKTANT | ING. VLADIMÍR KORMAN |
| VYPRACOVAL | Bc. ADAM GRMAN |
| INVESTOR | AGRO CS Slovakia, a.s., Námestie republiky 5, 984 01 Lučenec |
| MIESTO | Veľké Dravce |
| STAVBA | REKONŠTRUKCIA KAŠTIEĽA VEĽKÉ DRAVCE |
| OBSAH VÝKRESU | VÝKRES VÝSTUŽE STUŽUJÚCICH VENCOV v ČASTI "A" |

ing. Vladimír KORMAN autorizovaný stavebný inžinier

ateliér

projektová kancelária stavebných konštrukcií Martina Hattalu 2, Banská Bystrica

| | |
|---|---|
| FORMÁT | 14.A4 |
| DÁTUM | 12.2012 |
| ŠTUPEŇ | REALIZ. PROJEKT |
| MIERKA | Č. PRÍLOHY |
| 1:100,1:50 | S-011 |