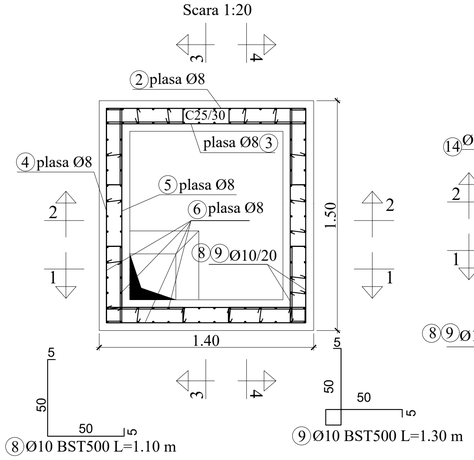
Placa din beton armat preturnata poate fi prevazuta si cu capac din fonta patrat 800 x 800mm, cu modificarea marcillor 7, 16 si 17.

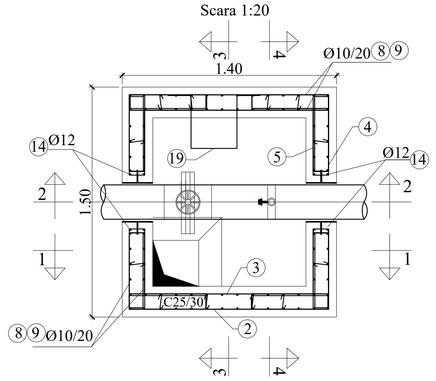
## CAMIN CV13
## Sectiunea a-a
Scara 1:20



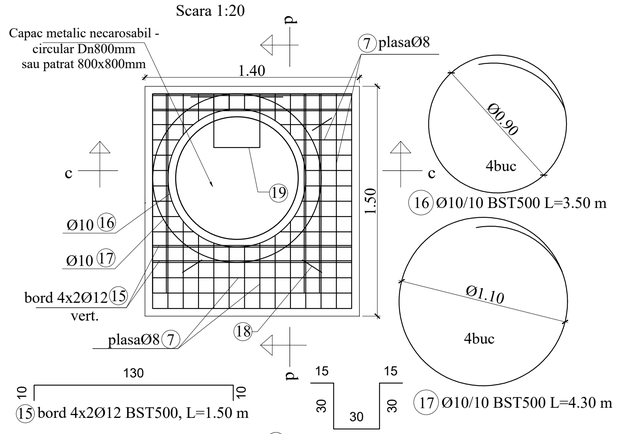

8 Ø10 BST500 L=1.10 m

9 Ø10 BST500 L=1.30 m

## CAMIN CV13
## Sectiunea b-b
Scara 1:20




## CAMIN CV13
## ARMARE PLACA PRETURNATA
Scara 1:20







16 Ø10/10 BST500 L=3.50 m

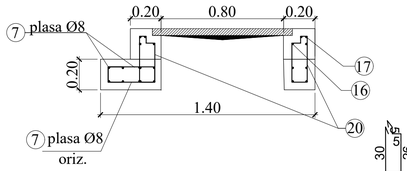



15 bord 4x2Ø12 BST500, L=1.50 m

17 Ø10/10 BST500 L=4.30 m

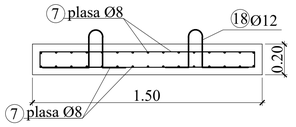
19 Ø20 BST500 L=1.20 m
trepte acces

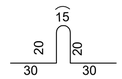
## SECTIUNE c-c
Scara 1:20




20 Ø10/10 BST500 L=1.00 m

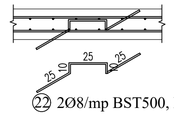
## SECTIUNE d-d
Scara 1:20



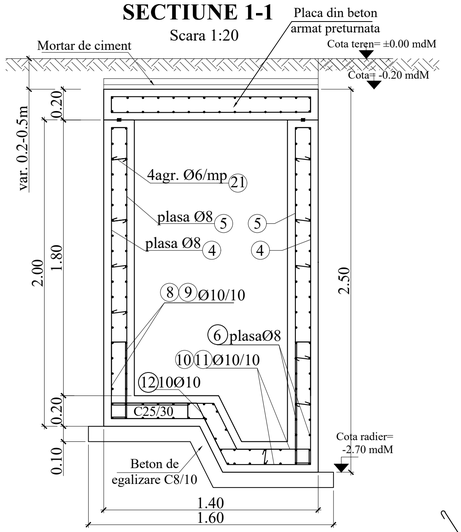

18 Ø12 BST500 L=1.15 m

## DETALII DISPUNERE CAPRE
scara 1:20

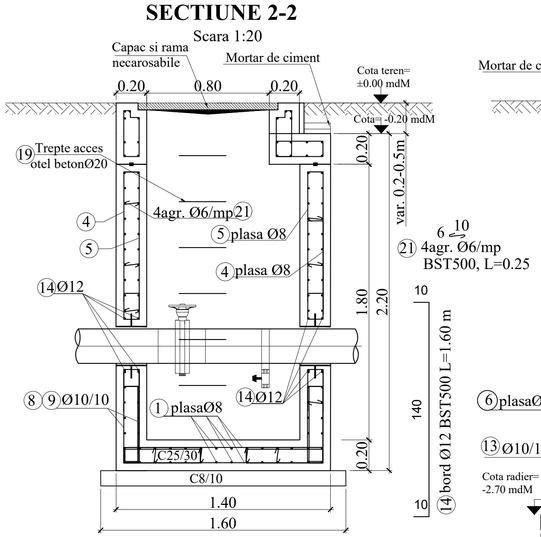



22 2Ø8/mp BST500, L=1.00

## SECTIUNE 1-1
Scara 1:20



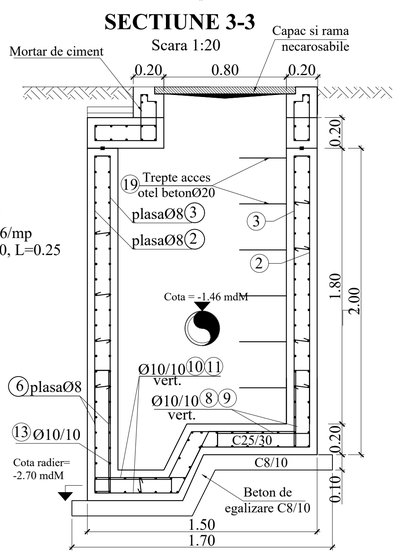

## SECTIUNE 2-2
Scara 1:20



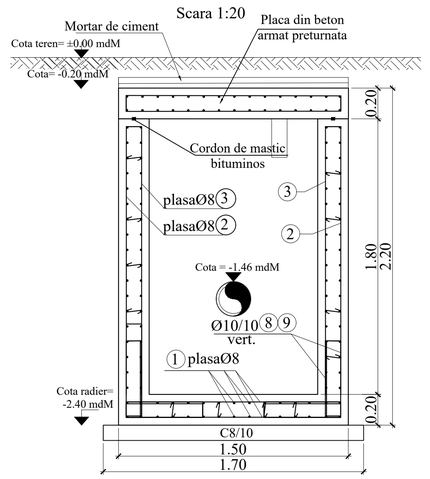




## SECTIUNE 3-3
Scara 1:20




## SECTIUNE 4-4
Scara 1:20




### Extras de armatura

| Element | Marca | Otel | Diametru | Lungimea unei bare | Numar bare | Lungimi pe diametre BST500C | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 6 | 8 | 10 | 12 | 20 |
| | | | [mm] | [m] | [buc.] | [m] | [m] | [m] | [m] | [m] |
| Camin CV13 | 8 | BST500C | 10 | 1.10 | 86 | | | 94.60 | | |
| | 9 | BST500C | 10 | 1.30 | 86 | | | 111.80 | | |
| | 10 | BST500C | 10 | 2.20 | 10 | | | 22.00 | | |
| | 11 | BST500C | 10 | 2.35 | 10 | | | 23.50 | | |
| | 12 | BST500C | 10 | 1.15 | 10 | | | 11.50 | | |
| | 13 | BST500C | 10 | 2.27 | 4 | | | 9.08 | | |
| | 14 | BST500C | 12 | 1.20 | 16 | | | | 19.20 | |
| | 15 | BST500C | 12 | 1.50 | 16 | | | | 24.00 | |
| | 16 | BST500C | 10 | 3.50 | 3 | | | 10.50 | | |
| | 17 | BST500C | 10 | 4.30 | 4 | | | 17.20 | | |
| | 18 | BST500C | 20 | 1.15 | 3 | | | | | 3.45 |
| | 19 | BST500C | 20 | 1.20 | 6 | | | | | 7.20 |
| | 20 | BST500C | 10 | 1.00 | 8 | | | 8.00 | | |
| | 21 | BST500C | 6 | 0.25 | 35 | 8.75 | | | | |
| | 22 | BST500C | 8 | 1.00 | 13 | | 13.00 | | | |
| **Total lungimi pe diametre** | | | | | [m] | 8.75 | 13.00 | 308.18 | 43.20 | 10.65 |
| **Masă pe metru liniar** | | | | | [kg/m] | 0.222 | 0.395 | 0.617 | 0.888 | 2.466 |
| **Masă pe diametre** | | | | | [kg] | 2 | 6 | 191 | 39 | 27 |
| **Masă totală pe tipuri de oțel** | | | | | [kg] | 8 | | 257 | | |
| **Masă totală montată** | | | | | [kg] | **265** | | | | |
| **Pierderi [5%]** | | | | | [kg] | 14 | | | | |
| **Masă totală aprovizionată** | | | | | [kg] | **279** | | | | |
| **Beton C25/30** | | | | | [mc] | **2.63** | | | | |
| **Beton C8/10** | | | | | [mc] | **0.25** | | | | |

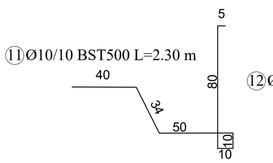
### Extras de plase sudate

| Element | Marca | Descriere | Dimensiuni | Greutate pe bucată | Nr. bucăți | Greutate totală |
|---|---|---|---|---|---|---|
| | | | [mm] | [kg] | [buc] | [kg] |
| Camin CV13 | 1 | Plasă sudată SR 438-3 - 100mm x 100mm - 5m x 2m, SPPB 8 | 1300 x 1400 | 9 | 2 | 18 |
| | 2 | Plasă sudată SR 438-3 - 100mm x 100mm - 5m x 2m, SPPB 8 | 1300 x 1900 | 19 | 2 | 38 |
| | 3 | Plasă sudată SR 438-3 - 100mm x 100mm - 5m x 2m, SPPB 8 | 1100 x 1800 | 15 | 2 | 31 |
| | 4 | Plasă sudată SR 438-3 - 100mm x 100mm - 5m x 2m, SPPB 8 | 1400 x 1900 | 19 | 2 | 39 |
| | 5 | Plasă sudată SR 438-3 - 100mm x 100mm - 5m x 2m, SPPB 8 | 1200 x 1800 | 16 | 2 | 31 |
| | 6 | Plasă sudată SR 438-3 - 100mm x 100mm - 5m x 2m, SPPB 8 | 1000 x 600 | 4 | 4 | 16 |
| | 7 | Plasă sudată SR 438-3 - 100mm x 100mm - 5m x 2m, SPPB 8 | 1300 x 1400 | 10 | 2 | 19 |
| | | | | | *Total [kg]* | *173* |

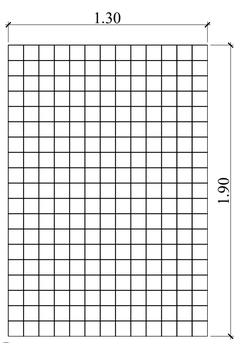
BETON SIMPLU: C8/10 -X0 - Cl 0.2 - Dmax22
BETON ARMAT : C25/30 -XC2- Dmax22, CEM II/A-LL 42.5 R
OTEL BETON: BST 500C
PLASA SPPB- SR 438-3:2012
ACOPERIRE CU BETON, a=5cm

NOTA:
1. Executantul are obligatia sa verifice toate dimensiunile pe santier, inainte de procurarea materialelor si inceperea executiei, pentru toate categoriile de lucrari.
2. Se efectueaza masuratori pe cofraj inainte de debitarea si fasonarea barelor si a plaselor de armatura.
3. La plasele de armatura verticale se face debitarea dupa stabilirea exacta a cotei de adancime a caminelor.
4. Capacul de acces in camin se va alege in functie de pozitia caminului fata de drum:
- camin carosabil va fi echipat cu capac carosabil clasa D400;
- camin necarosabil cu capac necarosabil clasa C250;
5. Toate capacele de forma rotunda sau patrata vor fi din fonta.

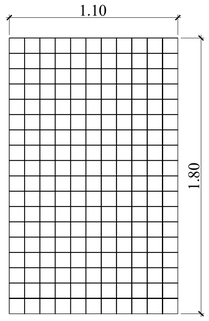
Adancimea caminului se va stabili cu exactitate in timpul lucrarilor de executie, functie de adancimea de pozare a conductei existente.



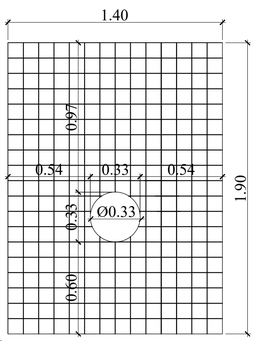

1 Plasa sudata Ø8/100x100, plasa SPPB - montata sus si jos armare radier



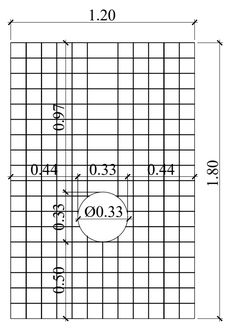

2 Plasa sudata Ø8/100x100, plasa SPPB - exterior armare pereti



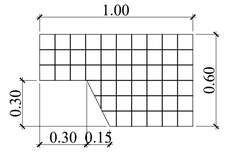

3 Plasa sudata Ø8/100x100, plasa SPPB - interior armare pereti



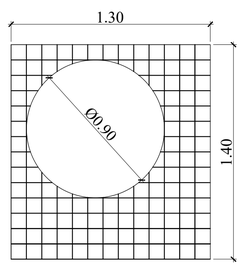

4 Plasa sudata Ø8/100x100, plasa SPPB - exterior armare pereti




5 Plasa sudata Ø8/100x100, plasa SPPB - int armare pereti




6 Plasa sudata Ø8/100x100, plasa SPPB - zona basa




7 Plasa sudata Ø8/100x100, plasa SPPB - montata sus si jos armare placa

| | | | |
|---|---|---|---|
| INVESTITOR: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE S.A. | ANTREPRENOR si PROIECTANT GENERAL: TIRRENA SCAVI S.p.A. | AMPLASAMENT | DENUMIRE PROIECT: PROIECTARE SI EXECUTIE "VARIANTA DE OCOLIRE TIMISOARA SUD" |
| | PROIECTANT DE SPECIALITATE: SC PROTELCO SA | | NUMAR CONTRACT: 92/87467/19.12.2018 |
| | | | NUMAR PROIECT : 10036 |

| | | |
|---|---|---|
| FAZA PROIECT: P.T. + D.D.E. | Manager de Proiect: ing. Ivo Procacci | |
| Data : 08.2020 | Sef Echipa Proiectare: ing. Silivan Moldovan | |
| VERIFICATOR TEHNIC | Inginer Proiectant: ing. Marius Iordache | |
| | Inginer Aprobat: ing. Elena Manea | |

| REVIZII | | | DENUMIRE PLANSA |
|---|---|---|---|
| NR. REV. | DATA | SEMN. | PLAN ARMARE CAMIN Cv13 |
| | | | Scara : 1:20 |
| | | | NUMAR PLANSA |
| | | | 10036-VOTM-RA-PA-02 |