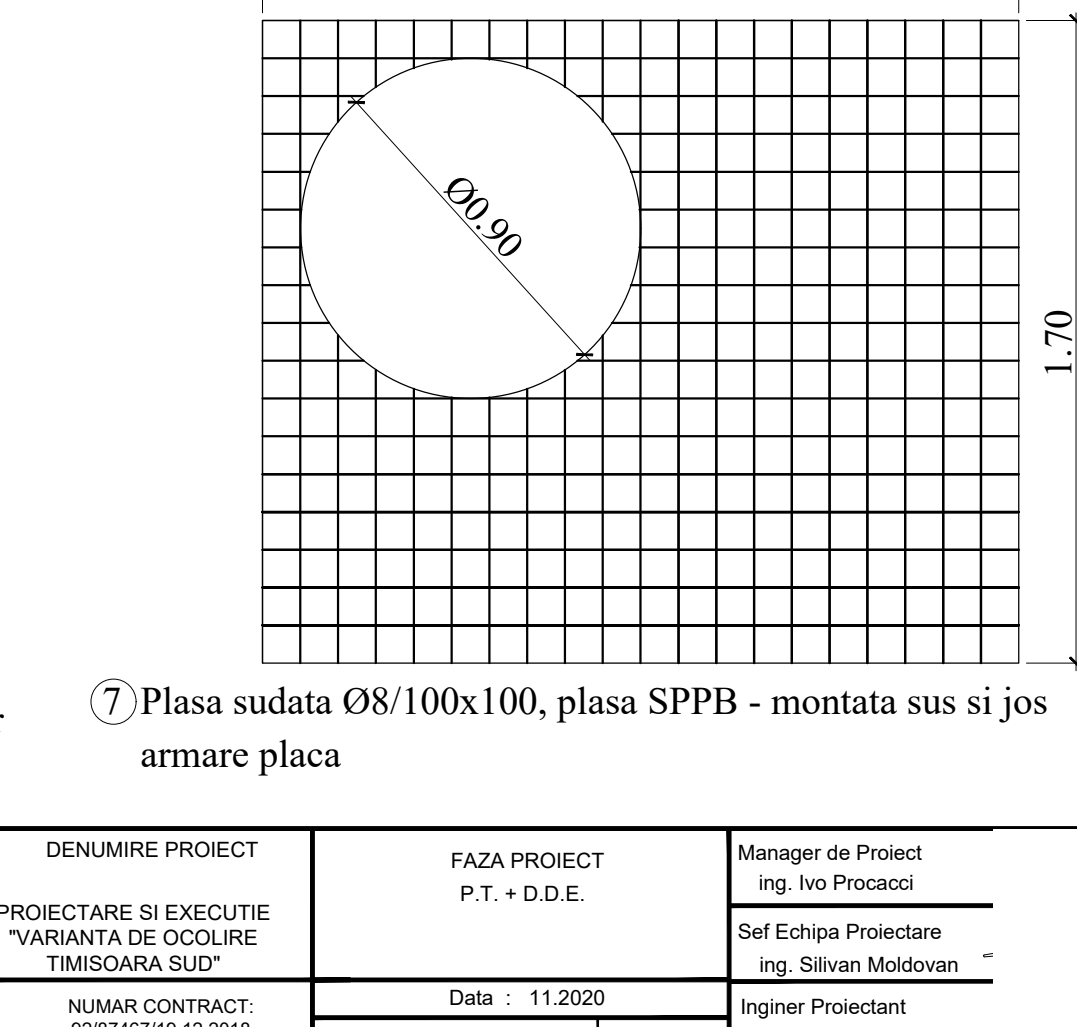
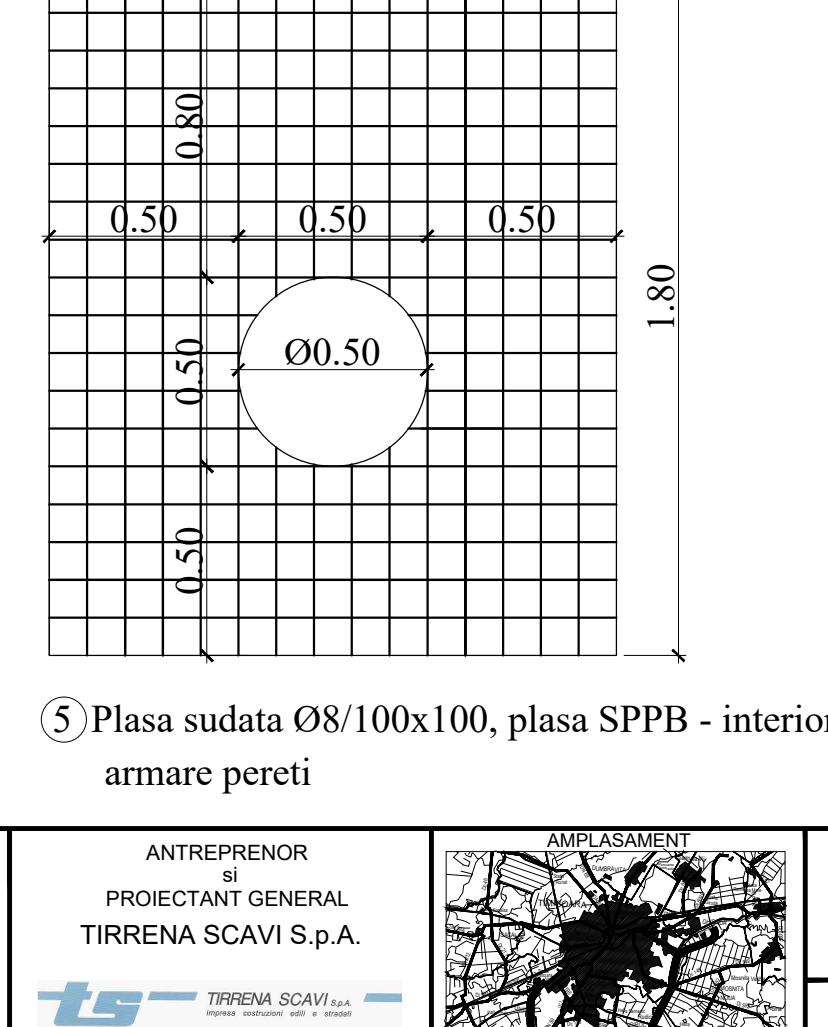
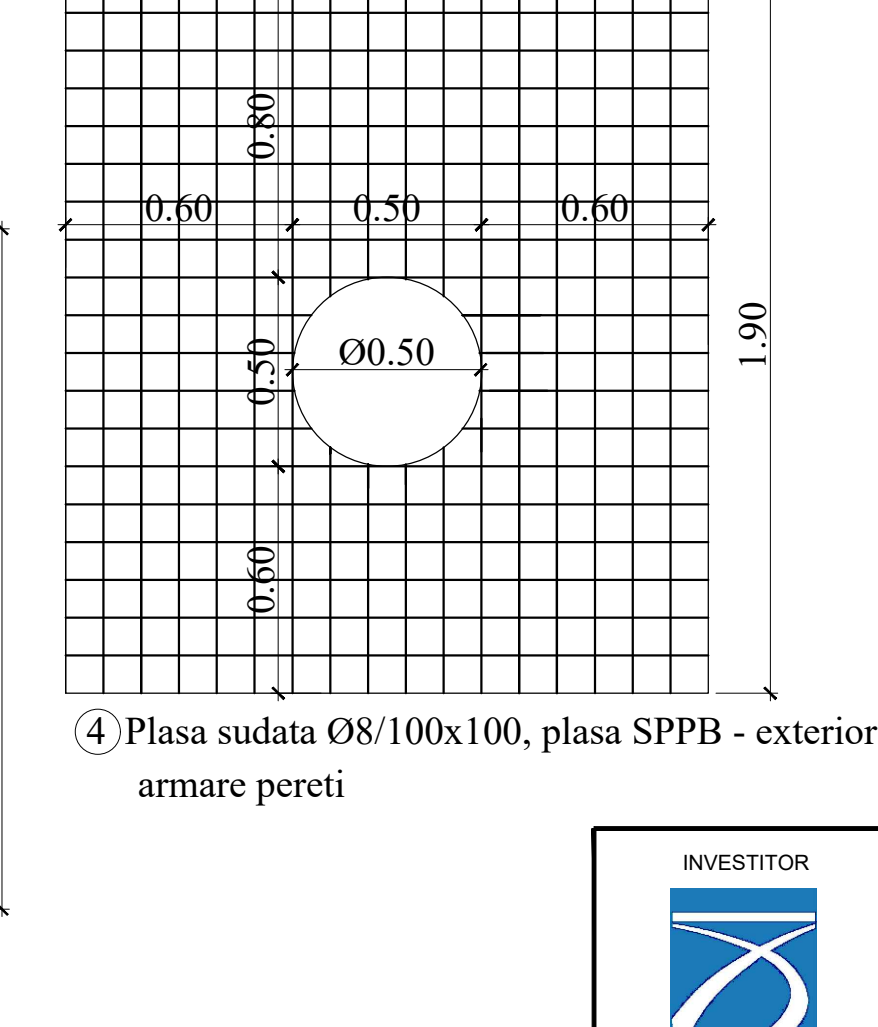
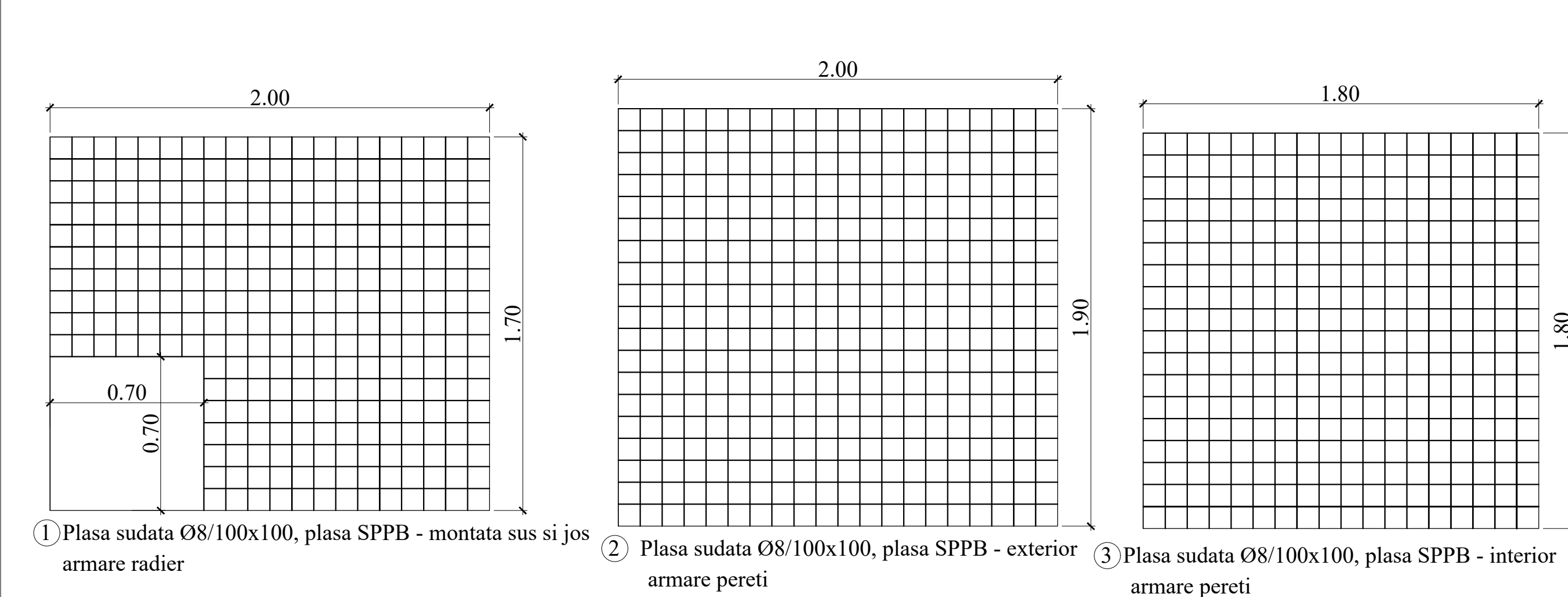


| Extras de armatura            |       |         |          |                    |            |                     |       |       |        |       |       |
|-------------------------------|-------|---------|----------|--------------------|------------|---------------------|-------|-------|--------|-------|-------|
| Element                       | Marca | Otel    | Diametru | Lungimea unei bare | Numar bare | Lungimi pe diametre |       |       |        |       |       |
|                               |       |         |          |                    |            | BST500C             |       |       |        |       |       |
|                               |       |         | (mm)     | (m)                | (buc.)     | 6                   | 8     | 10    | 12     | 20    |       |
|                               |       |         |          |                    |            | (m)                 | (m)   | (m)   | (m)    | (m)   |       |
| Camin CV10                    | 8     | BST500C | 10       | 1.10               | 106        |                     |       |       | 116.66 |       |       |
|                               | 9     | BST500C | 10       | 1.30               | 106        |                     |       |       | 137.80 |       |       |
|                               | 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       | 1.70               | 16         |                     |       |       | 27.20  |       |       |
|                               | 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  |       |
| Total lungimi pe diametre     |       |         |          |                    |            | (m)                 | 15.00 | 20.00 | 356.18 | 51.20 | 10.65 |
| Masă pe metru liniar          |       |         |          |                    |            | (kg/m)              | 0.222 | 0.395 | 0.617  | 0.888 | 2.466 |
| Masă pe diametre              |       |         |          |                    |            | (kg)                | 4     | 8     | 220    | 46    | 27    |
| Masă totală pe tipuri de otel |       |         |          |                    |            | (kg)                | 12    |       | 365    | 293   |       |
| Masă totală normată           |       |         |          |                    |            | (kg)                |       |       |        |       |       |
| Pierderi (5%)                 |       |         |          |                    |            | (kg)                |       |       |        | 16    |       |
| Masă totală aproxiativă       |       |         |          |                    |            | (kg)                |       |       |        | 321   |       |
| Beton C25/30                  |       |         |          |                    |            | (m³)                |       |       |        | 4.1   |       |
| Beton C8/10                   |       |         |          |                    |            | (m³)                |       |       |        | 0.5   |       |

| Extras de plase sudate |       |   |             |                     |            |                  |  |  |  |
|------------------------|-------|---|-------------|---------------------|------------|------------------|--|--|--|
| Element                | Marca | Descriere   | Dimensiuni  | Gresutate pe bucata | Nr. bucati | Gresutate totala |  |  |  |
|                        |       |   |             |                     |            |                  |  |  |  |
| Camin CV10             | 1     | Plasa sudata SR 438-3 - 100mm x 100mm - 5m x 2m, SPPB 8 | 2000 x 1700 | 26                  | 2          | 53               |  |  |  |
|                        | 2     | Plasa sudata SR 438-3 - 100mm x 100mm - 5m x 2m, SPPB 8 | 2000 x 1900 | 30                  | 2          | 59               |  |  |  |
|                        | 3     | Plasa sudata SR 438-3 - 100mm x 100mm - 5m x 2m, SPPB 8 | 1800 x 1800 | 25                  | 2          | 50               |  |  |  |
|                        | 4     | Plasa sudata SR 438-3 - 100mm x 100mm - 5m x 2m, SPPB 8 | 1700 x 1900 | 22                  | 2          | 45               |  |  |  |
|                        | 5     | Plasa sudata SR 438-3 - 100mm x 100mm - 5m x 2m, SPPB 8 | 1500 x 1800 | 18                  | 2          | 37               |  |  |  |
|                        | 6     | Plasa sudata SR 438-3 - 100mm x 100mm - 5m x 2m, SPPB 8 | 1000 x 600  | 4                   | 4          | 16               |  |  |  |
|                        | 7     | Plasa sudata SR 438-3 - 100mm x 100mm - 5m x 2m, SPPB 8 | 2000 x 1700 | 18                  | 2          | 36               |  |  |  |
| Total (kg)             |       |   |             |                     |            | 259              |  |  |  |

**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:**

- Executantul are obligatia sa verifice toate dimensiunile pe santier, inainte de procurarea materialelor si inceperea executiei, pentru toate categoriile de lucrari.
- Se efectueaza masuratori pe cofraj inainte de debitarea si fasonarea barelor si a plaselor de armatura.
- La plasele de armatura verticale se face debitarea dupa stabilirea exacta a cotei de adancime a caminelor.
- 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;
- 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.

| NR. REV. | REVIZII |  | SEM. | DENUMIRE PLANSA        |
|----------|---------|--|------|------------------------|
|          | DATA    |  |      |                        |
|          |         |  |      | PLAN ARMARE CAMIN CV10 |
|          |         |  |      | Scara : 1:20           |
|          |         |  |      | NUMAR PLANSA           |
|          |         |  |      | 10036-VOTM-RA-PA-02    |

|  |  |             |   |   |  |          |      |      |                 |
|--|--|-------------|---|---|--|----------|------|------|-----------------|
| INVESTITOR<br>COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII ROTIRE S.A. | ANTREPRENOR SI PROIECTANT GENERAL<br>TIRRENA SCAVI S.p.A.<br>PROIECTANT DE SPECIALITATE<br>SC PROTTELCO SA | AMPLASAMENT | DENUMIRE PROIECT<br>PROIECTARE SI EXECUTIE<br>"VARIANTA DE OCULIRE TIMISOARA SUD"<br>NUMAR CONTRACT:<br>9267467/19.12.2018<br>NUMAR PROIECT : 10036 | FAZA PROIECT<br>P.T. + D.D.E.<br>Data : 11.2020<br>VERIFICATOR TEHNIC | Manager de Proiect<br>ing. Ivo Procacci<br>Sef Echipa Proiectare<br>ing. Silviu Moldovan<br>Inginer Proiectant<br>ing. Marius Iordache<br>Inginer Aprobant<br>ing. Elena Manea | REVIZII  |      |      | DENUMIRE PLANSA |
|  |  |             |   |   |  | NR. REV. | DATA | SEM. |                 |