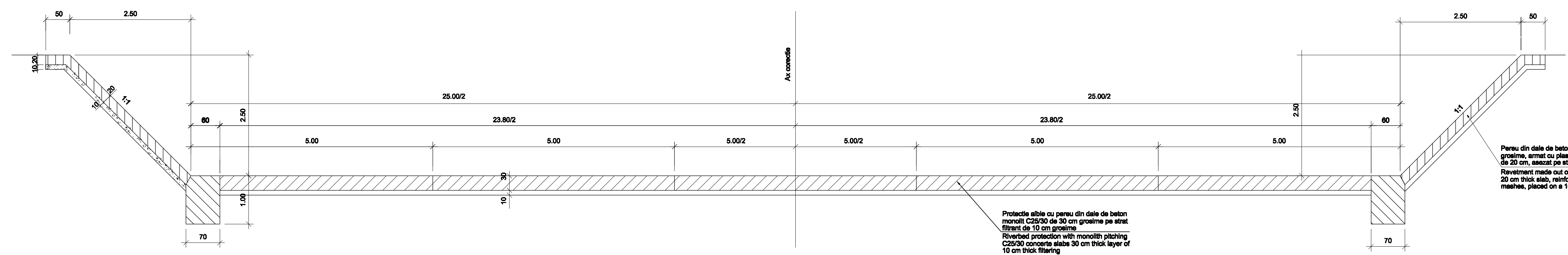


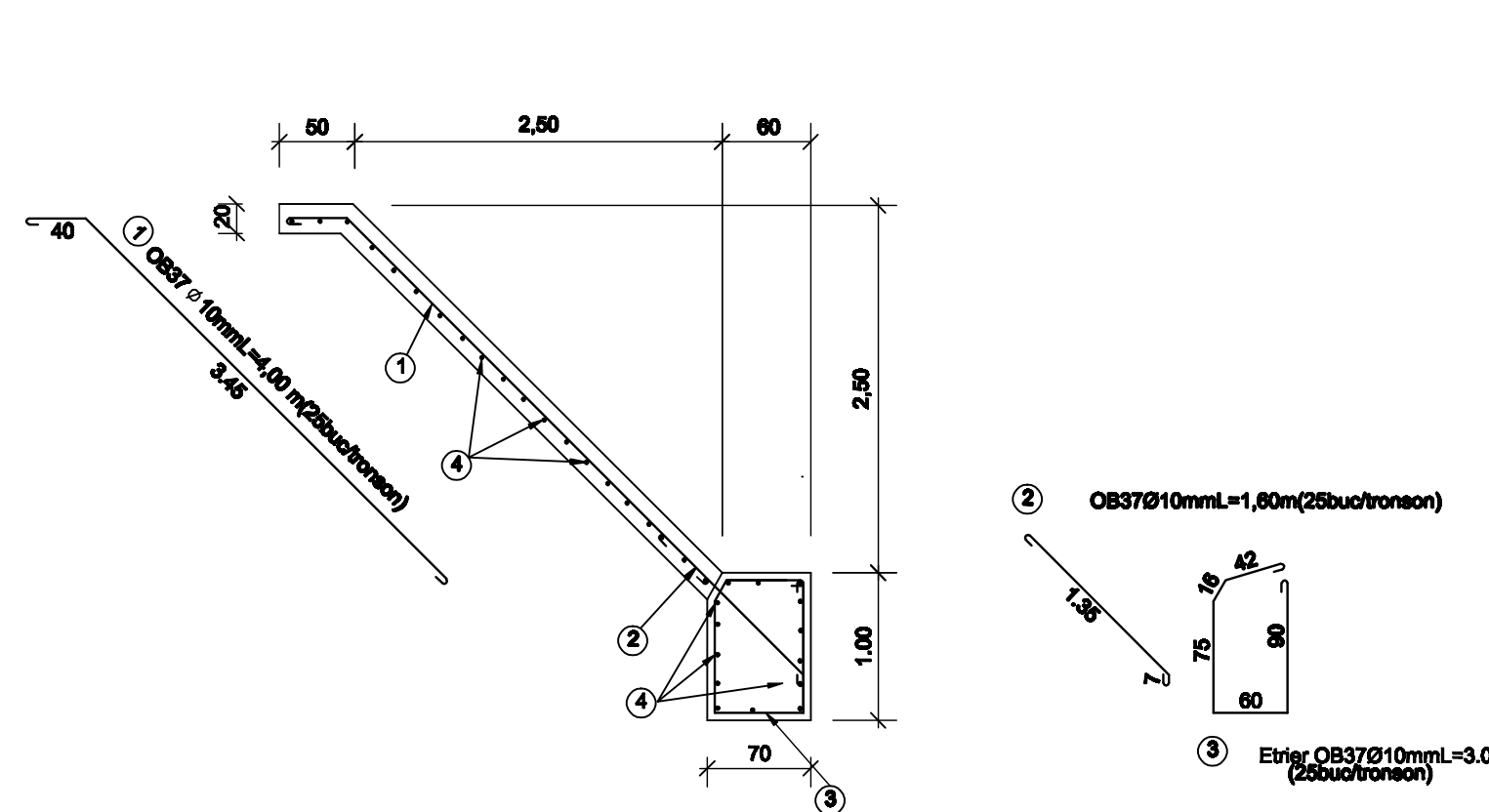
PROFIL CORECTIE AMONTE SI AVAL POD C.F.  
UPSTREAM AND DOWNSTREAM CORRECTION BRIDGE  
Scara/Scale 1:50



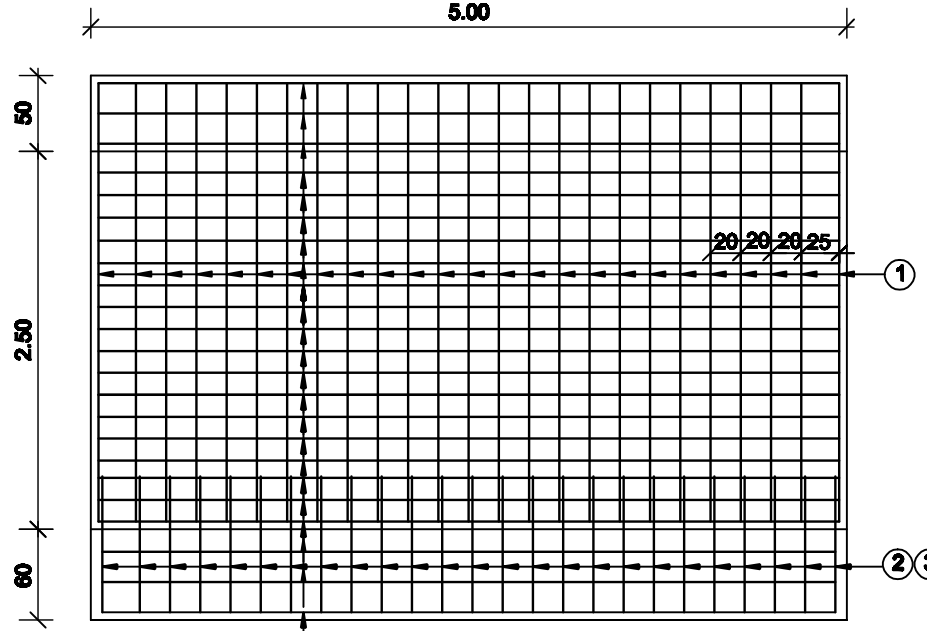
Protectie albă cu peruu din dale de beton monolit C25/30 de 30 cm grosime pe strat filtrant de 10 cm grosime  
Riveted protection with monolith pitching C25/30 concrete slabs 30 cm thick layer of 10 cm thick filtering

Peruu din dale de beton monolit C25/30 de 30 cm grosime, armat cu plasa de C37 Ø10 cu ochiurile de 20 cm, asezat pe strat filtrant de 10 cm grosime  
Rivêtement made out of cast in place C25/30 concrete 20 cm thick slab, reinforced with Ø10 mm, with 20 cm meshes, placed on a 10 cm thick filtering layer

DETALII ARMARE PROTECTIE TALUZ H=2,50m  
REINFORCEMENT SLOPE PROTECTION DETAILS H=2,50m  
Scara /scale 1:50



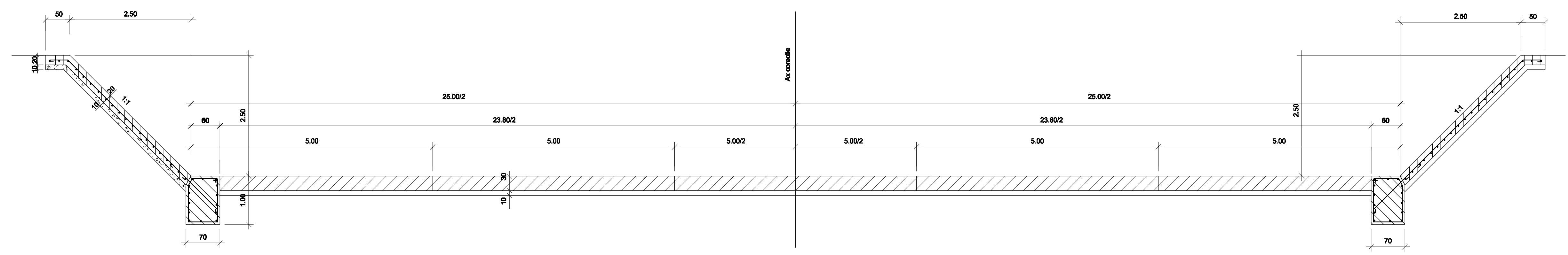
VEDERE IN PLAN PROTECTIE TALUZ  
PLAN VIEW ENBAKMENT PROTECTION



EXTRAS DE ARMATURA  
pentru un tronson de 5,00 m H= 2,50m  
SUMMARY REINFORCING BARS  
for a 5,00 m long section h=2,50 m

| Marcă                       | Ø  | Nr.buc. asam. | Lungime unitara (m) | Lungime totale (m) |
|-----------------------------|----|---------------|---------------------|--------------------|
| 1                           | 10 | 25            | 4,00                | 100,00             |
| 2                           | 10 | 25            | 1,60                | 40,00              |
| 3                           | 10 | 25            | 3,00                | 75,00              |
| 4                           | 10 | 34            | 5,05                | 171,70             |
| Total lungime/tronson(m)    |    |               |                     | 386,70             |
| Greutate unitara (kg/m)     |    |               |                     | 0,817              |
| Greutate totale (kg) (rot.) |    |               |                     | 239,00             |

ARMARE CORECTIE AMONTE POD C.F.  
UPSTREAM CORRECTION BRIDGE REINFORCEMENT  
Scara/Scale 1:50



LEGENDA BETOANE:  
CONCRETE LEGEND:

- beton de fundatie clase C20/25 - ( pinton peruu taluz )  
- foundation concrete class C20/25 - ( slope pitching spur )  
C20/25 - T3 - P8 - CEM III/A - S 32,5 R - A/C = 0.45 - 0/31
- beton monolit clase C25/30 - ( peruu taluz, peruu fund albie )  
- monolith concrete class C25/30 - ( pitching, bottom pitching bed )  
C25/30 - T4 - P12 - CEM III/A - S 32,5 R - A/C = 0.40 - 0/16

D

C

B

A 11.2011 Revizia A Catalin Dobreanu

Index Date Date Modificare/Revision Projectant Designer Approved Consultant Approved CFR

**GUVERNUL ROMANIE**  
ROMANIAN GOVERNMENT

**PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ**  
EUROPEAN UNION FINANCED PROJECT

**CFR**

**C.N.C.F. "C.F.R." - S.A.**

**CLIENT / CLIENT**

**ITALFERR** GRUPPO FERROVIE DELLO STATO  
Joint Venture Ansaldo

**Scot Wilson**

**OBERMEYER** PLANEN + BERATEN GmbH

**TECNIC** Consulting Engineers

| CONSULTANT / CONSULTANT |  | Data Date       | Semnatura / Signature |
|-------------------------|--|-----------------|-----------------------|
| Aprobat / Approved      | Şef proiect / Project manager                  | R. Liuzza       | [Signature]           |
| Aprobat / Approved      | Coordonator Secțiune 1 / Section 1 Coordinator | C. Gambelli     | [Signature]           |
| Verificat / Checked     | Expert Chief / Checking Expert                 | V.Kallidromitis | [Signature]           |

| SUBCONTRACTANT / SUBCONTRACTOR |   | Data Date    | Semnatura / Signature |
|--------------------------------|---|--------------|-----------------------|
| Aprobat / Approved             | Responsabil Subcontractant / Subcontractant Responsible | A. Dinulescu | [Signature]           |
| Intocmit / Elaborat            | Proiectant / Designer                                   | C. Dobreanu  | [Signature]           |

Reabilitarea liniei de cale ferată Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația trenurilor cu viteză maximă de 160 km/h,  
Tronsonul : Braşov - Sighişoara  
Rehabilitation of the railway line Braşov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h,  
Section : Braşov - Sighişoara

Project/Project 2004/R010/PFA003  
Faza / Phase: P.Th. / T.D.

Denumire desen / Drawing Title : INTERVAL ARCHITA-VANATORI / ARCHITECTURE SECTION PROTECTIE POD C.F. KM. 287+983.152 SECTION TIP - DETALII DE EXECUTIE 287+983.152 KM RAILWAY BRIDGE PROTECTION SECTIONS TYPE - EXECUTION DETAILS

|                                  |                           |           |                  |
|----------------------------------|---------------------------|-----------|------------------|
| Modificare / Codification System | Scara / Scale 1:100 1:200 | LOT / LOT | Nr. / No 01 / 01 |
|----------------------------------|---------------------------|-----------|------------------|

E A 5 1 0 1 E 1 6 W A A P 0 1 9 3 0 0 4 1