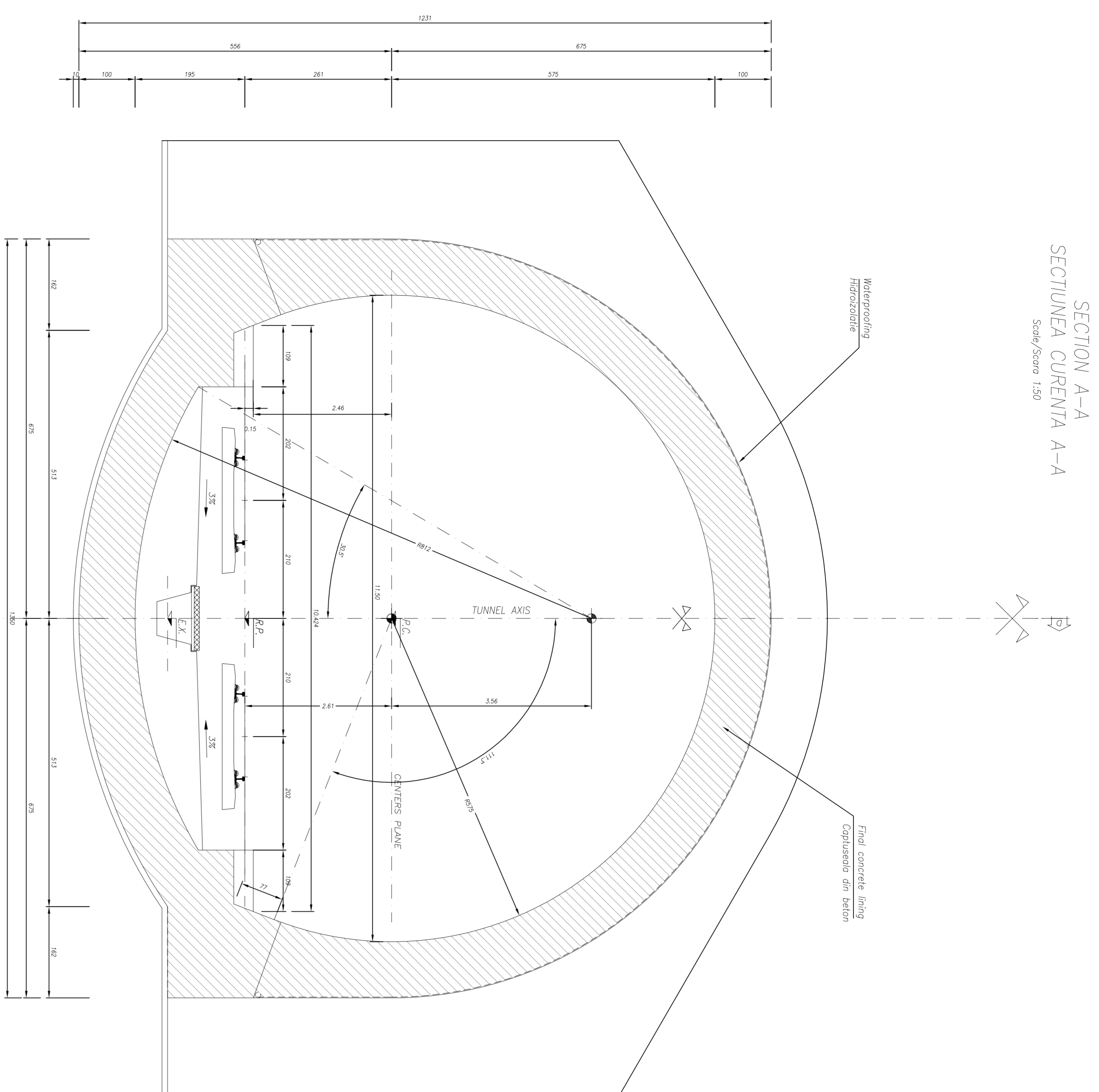
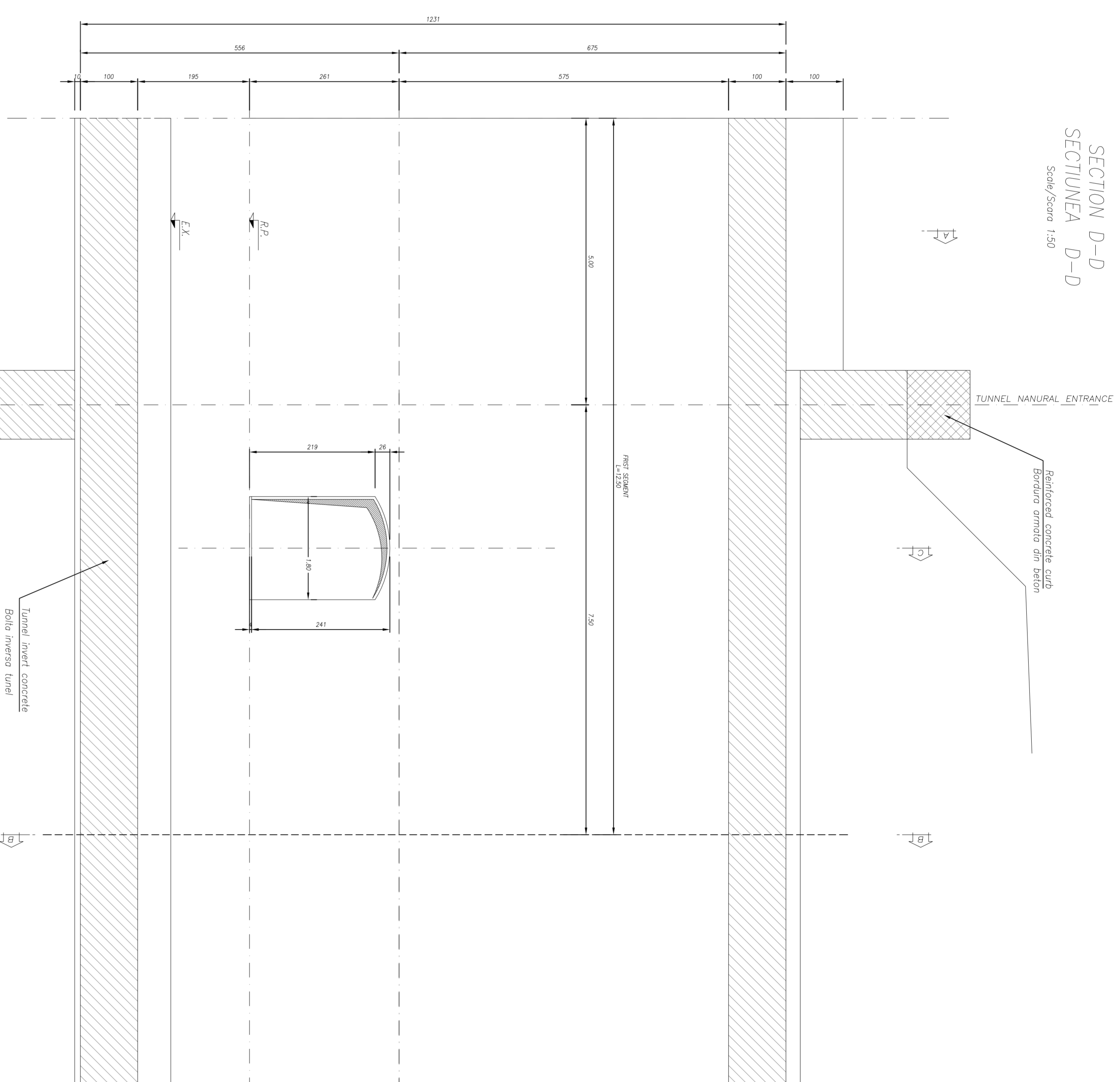


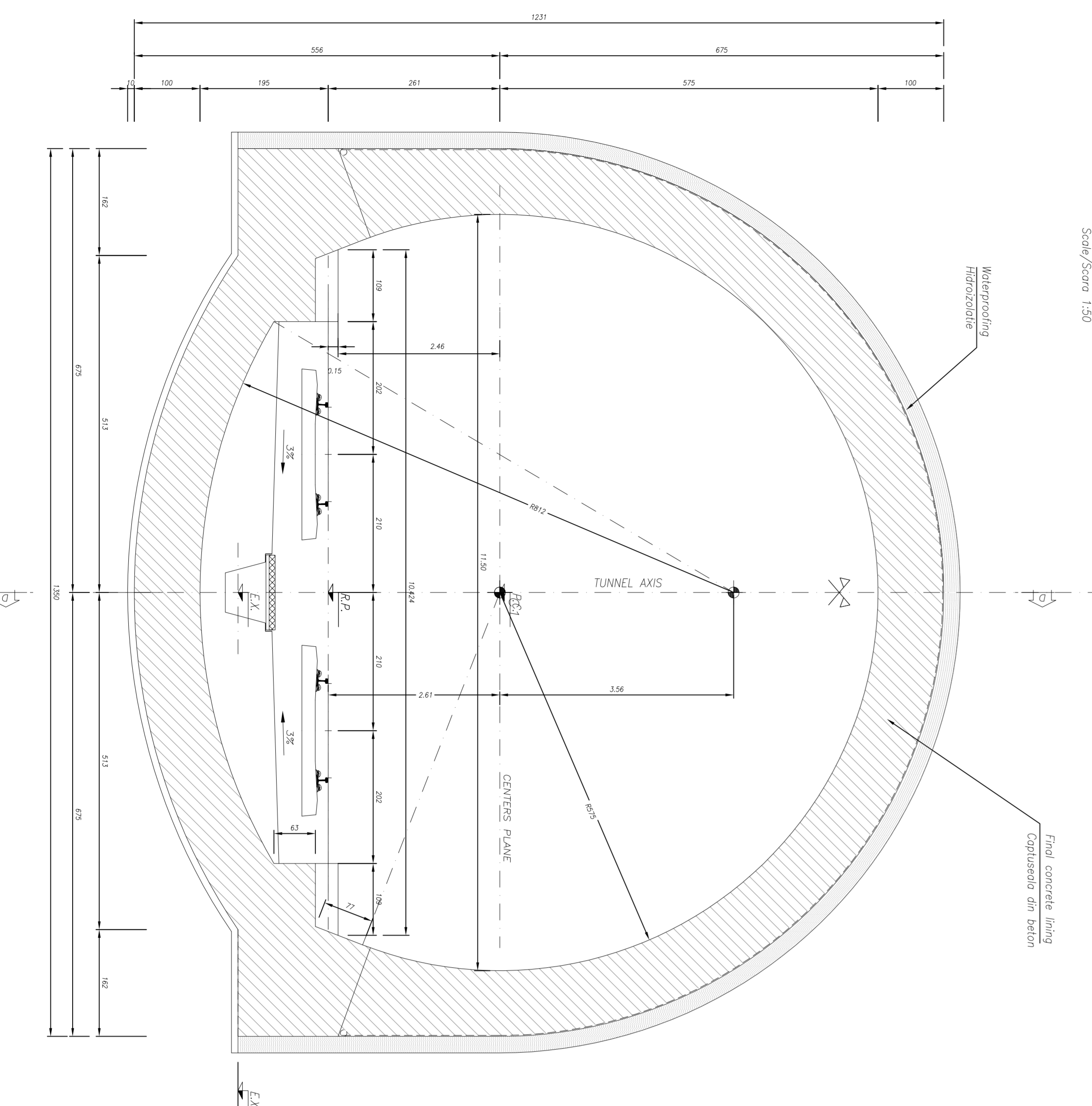
SECTION A-A
SECȚIUNEA CURENȚA A-A
Scale/Scara 1:50



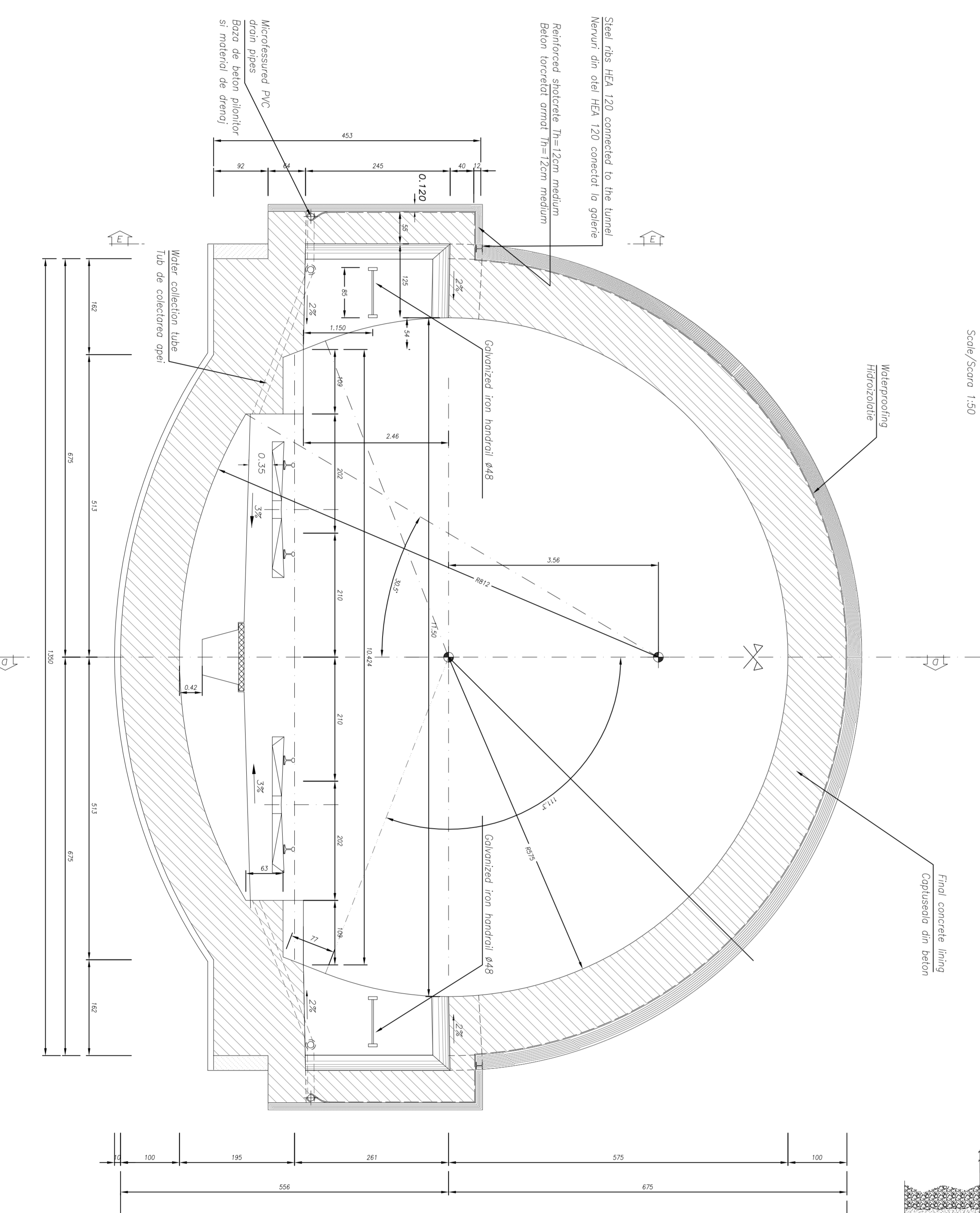
SECTION D-D
SECȚIUNEA D-D
Scale/Scara 1:50



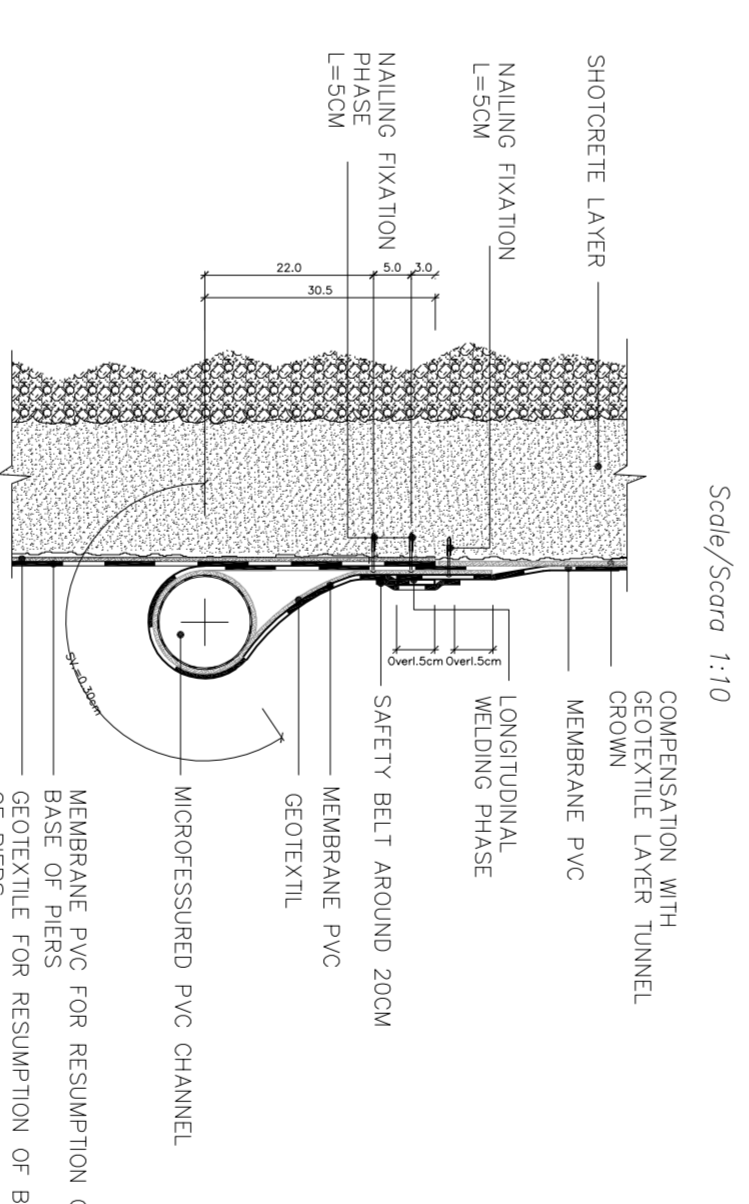
SECTION B-B
SECȚIUNEA CURENȚA B-B
Scale/Scara 1:50



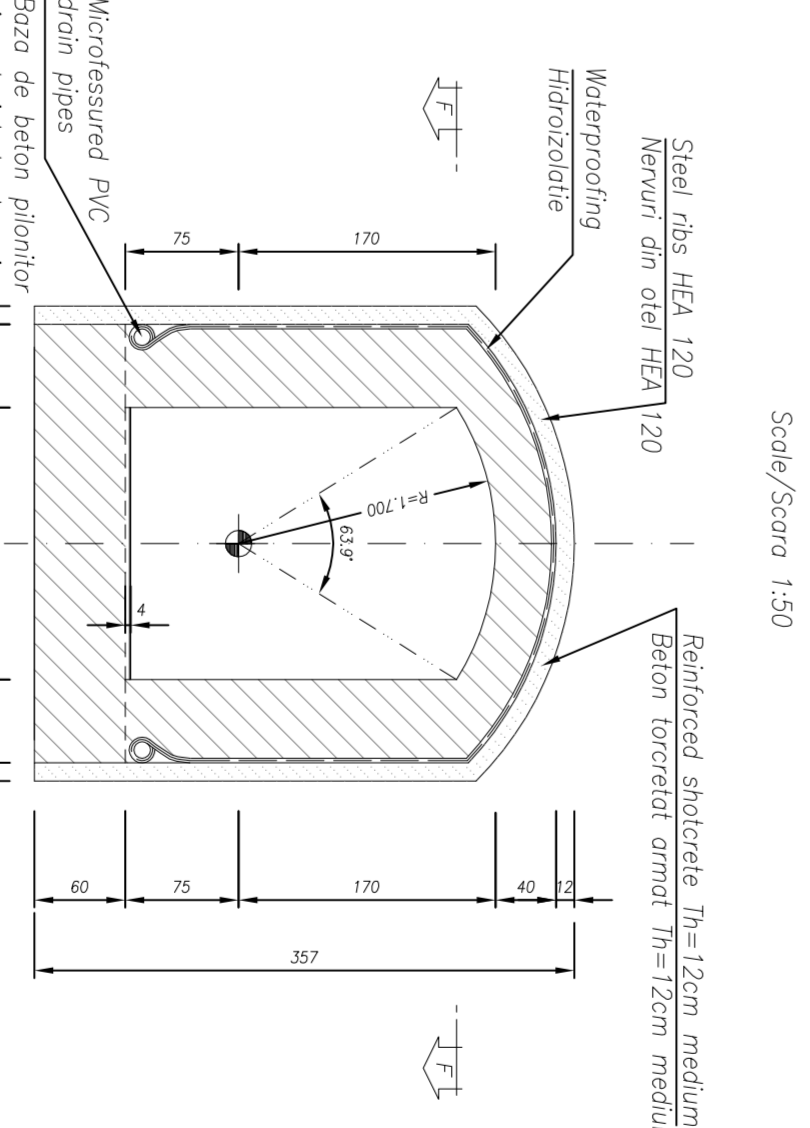
SECTION C-C
SECȚIUNEA CURENȚA C-C
Scale/Scara 1:50



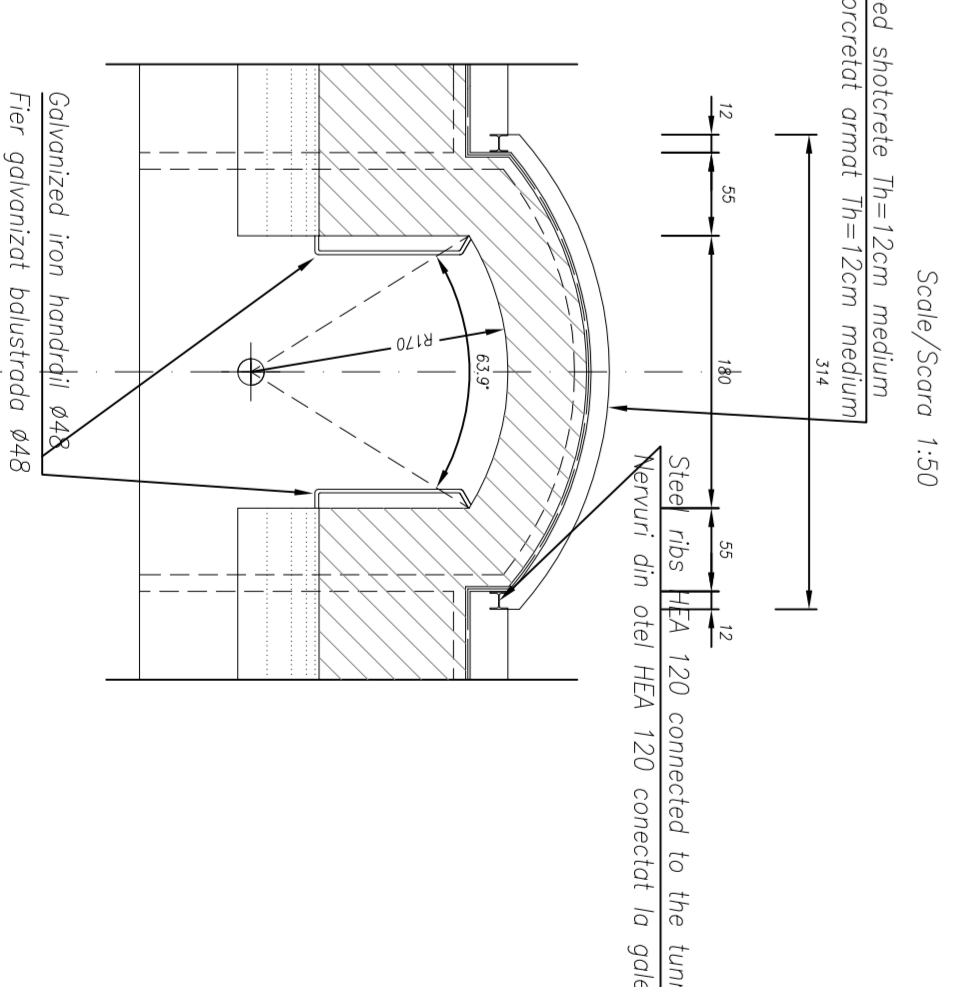
WATERPROOFING DETAIL
DETALIU HIDROZOLATIE
Scale/Scara 1:10



SECTION E-E
SECȚIUNEA CURENȚA E-E
Scale/Scara 1:50



SECTION F-F
SECȚIUNEA CURENȚA F-F
Scale/Scara 1:50



MATERIAL TABLE

DIMENSIONAL CONCRETE

- Class C20
- Water/Cement ratio <math>w/c < 0.50</math>
- Max aggregate size $S_{max} = 16$ mm
- Exposure class related to environmental conditions: MX2
- Designation: C20/25
- Class of chloride content: C 0.20
- Min. concrete cover: $C_{min} = 30$ mm
- Min. concrete cover: $C_{min} = 30$ mm

DIMENSIONAL CONCRETE

- Class C25
- Water/Cement ratio <math>w/c < 0.50</math>
- Max aggregate size $S_{max} = 16$ mm
- Exposure class related to environmental conditions: MX2
- Designation: C25/30
- Class of chloride content: C 0.20
- Min. concrete cover: $C_{min} = 30$ mm
- Min. concrete cover: $C_{min} = 30$ mm

EXPOSURE CLASS

- Class MX2
- Exposure class related to environmental conditions: MX2
- Designation: C20/25
- Class of chloride content: C 0.20
- Min. concrete cover: $C_{min} = 30$ mm
- Min. concrete cover: $C_{min} = 30$ mm

REINFORCEMENT STEEL

- Rebar conforming by endowment
- Class B500
- Designation: B500
- Min. concrete cover: $C_{min} = 30$ mm
- Min. concrete cover: $C_{min} = 30$ mm

REINFORCEMENT STEEL

- Rebar conforming by endowment
- Class B500
- Designation: B500
- Min. concrete cover: $C_{min} = 30$ mm
- Min. concrete cover: $C_{min} = 30$ mm

LEGEND

- RP = REFERENCE PLANE
- EX = EXCAVATIONS PLANE
- PC = CENTERS PLANE

NOTE:

The integrity of the concrete structures of the artificial and natural tunnels have to be maintained in case of fire (4.2.2.3) fire protection requirements for structure 150 technical specification for integrity.

NOTE:

Integrity structure of below a tunnel's artificial is installed, include its gamma integral in case of medium (4.2.2.3) centimeter of protection in fire period structure 510 Specification technical period integrity.

NOTE:

Horizontal detail be installed approximately of 1 m above walking providing a route to a safe area (4.2.2.7) Escape walkway 150.

NOTE:

Bar of rebar include to be installed approximately to 1 m distance cut of enclosure defined in rescue int-o zone safety (4.2.2.7) enclosure include 570.

NOTE:

Escape signs shall be installed on the side walls at a maximum distance between escape signs of 50m (4.2.2.9) Escape signage 150.

NOTE:

Signage of enclosure include to be installed on the wall lateral, to a distance maximum three times the distance of 50m (4.2.2.9) Escape signage 570.

CLIENT / CLIENT

GOVERNUL ROMÂNIEI
ROMANIAN GOVERNMENT

CONSULTANT / CONSULTANT

CFR
C.N.C.F. "C.F.R." S.A.

CONSULTANT / CONSULTANT

TECNIC
OBERMEYER
JOHN BERBERIS SMEN

PROJECT INFORMATION

PROJECT FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

ARCHITECT 2 TUNNEL

PROIECT/PROJECT
Z044R07/6574/002
P.1.H. / I.D.

Scale/Scara

1:50

Legend

0 1 2 3 4 5 6 7 8 9 10