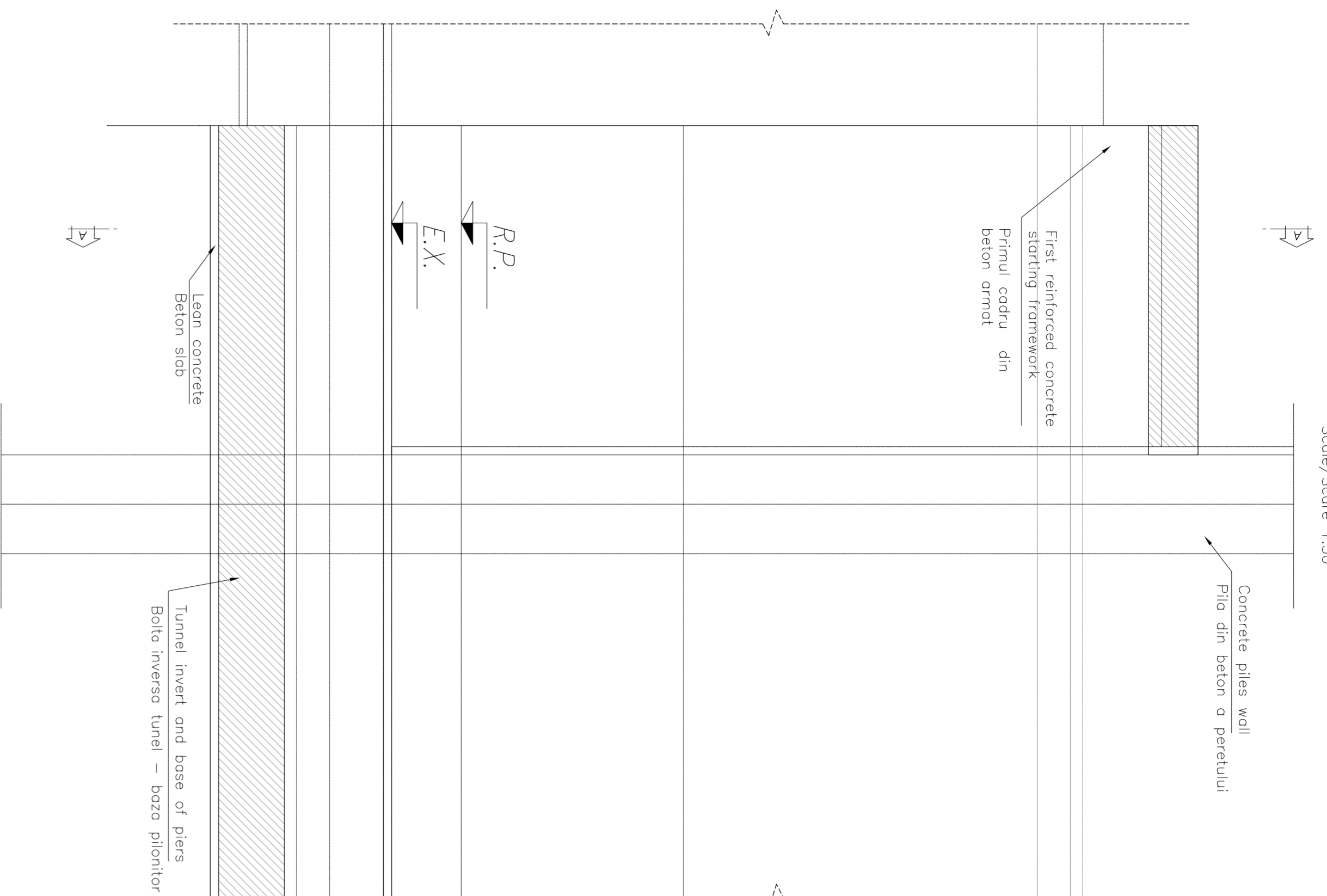


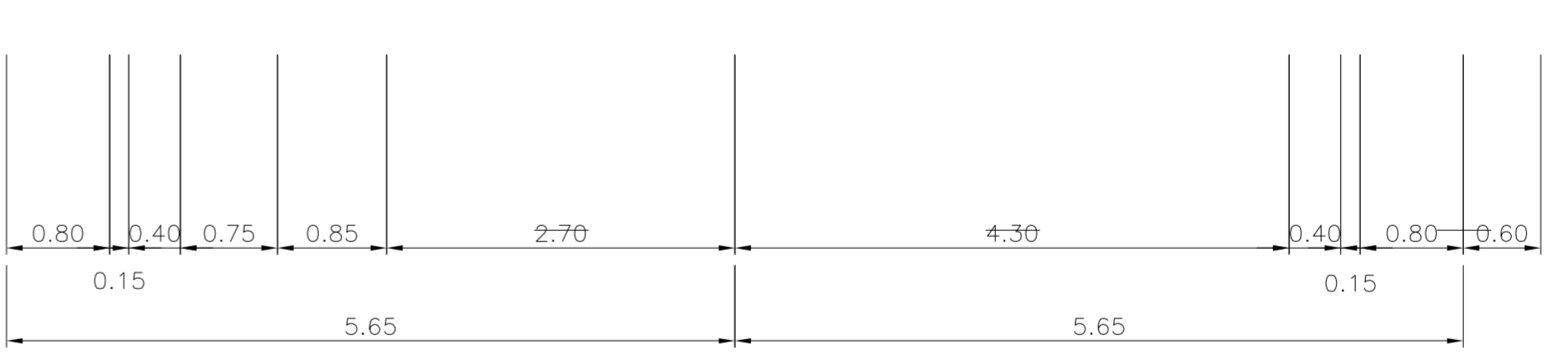
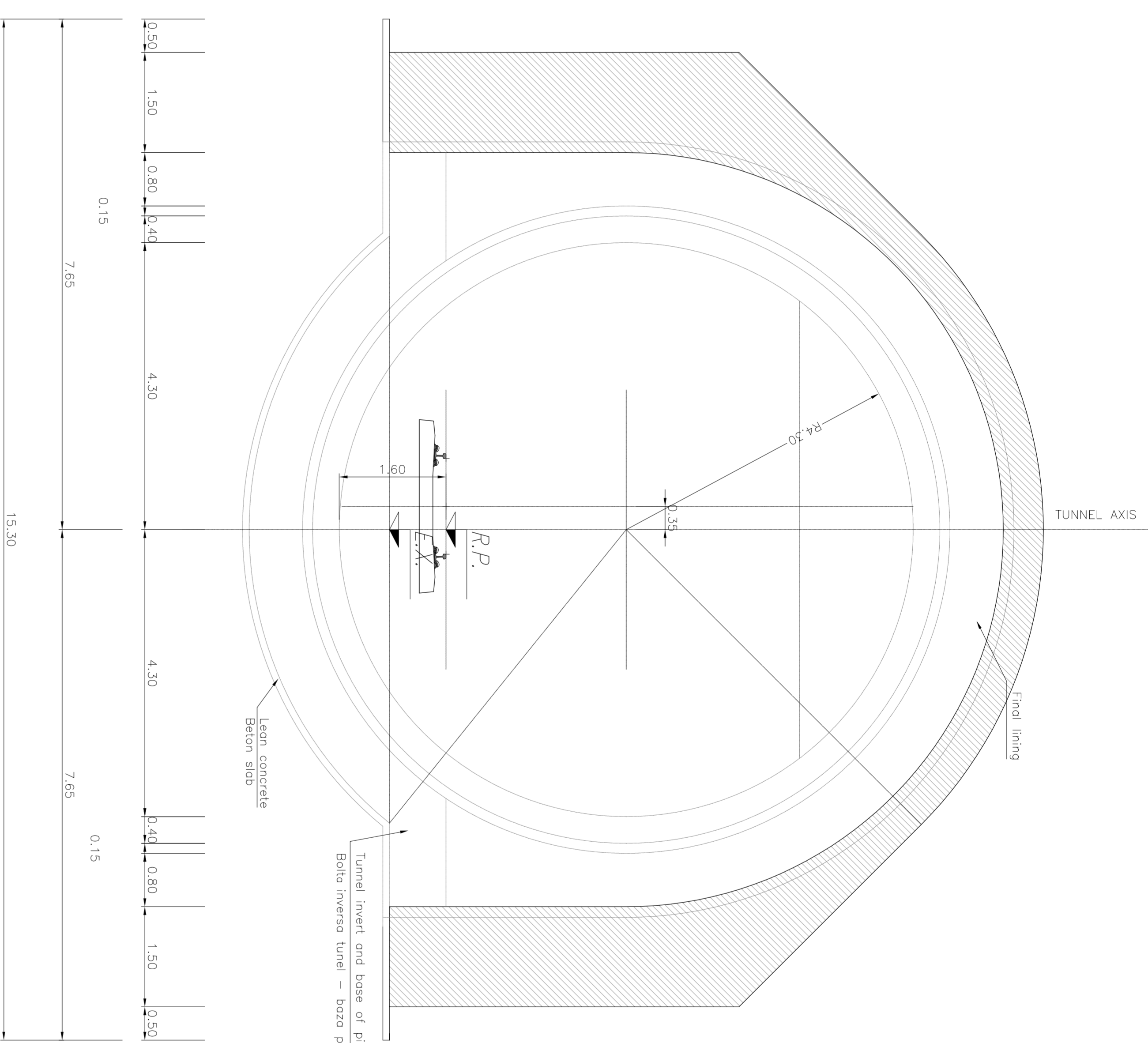
LONGITUDINAL SECTION
SECTIUNEA LONGITUDINALA

Scale/Scara 1:50



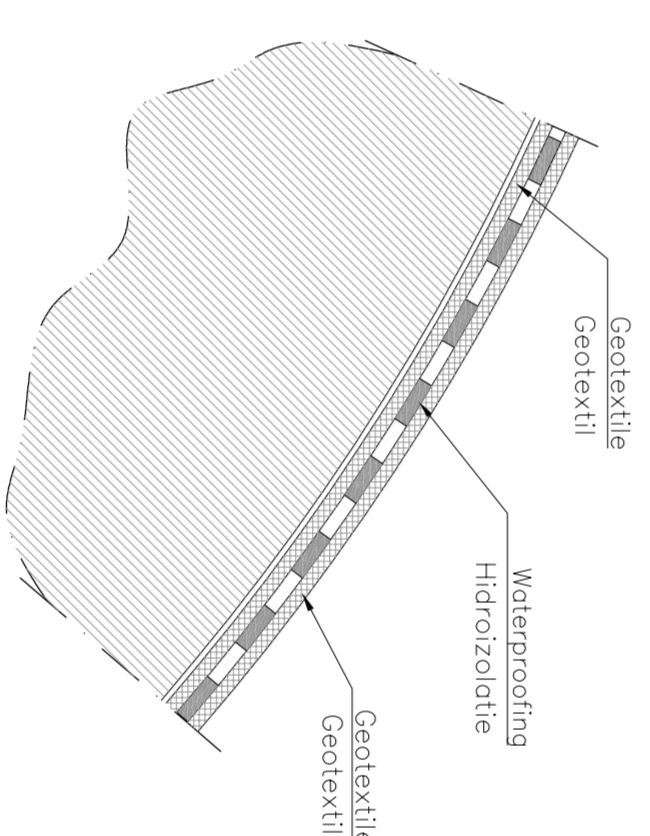
SECTION A-A
SECTIUNEA CURENTA A-A

Scale/Scara 1:50



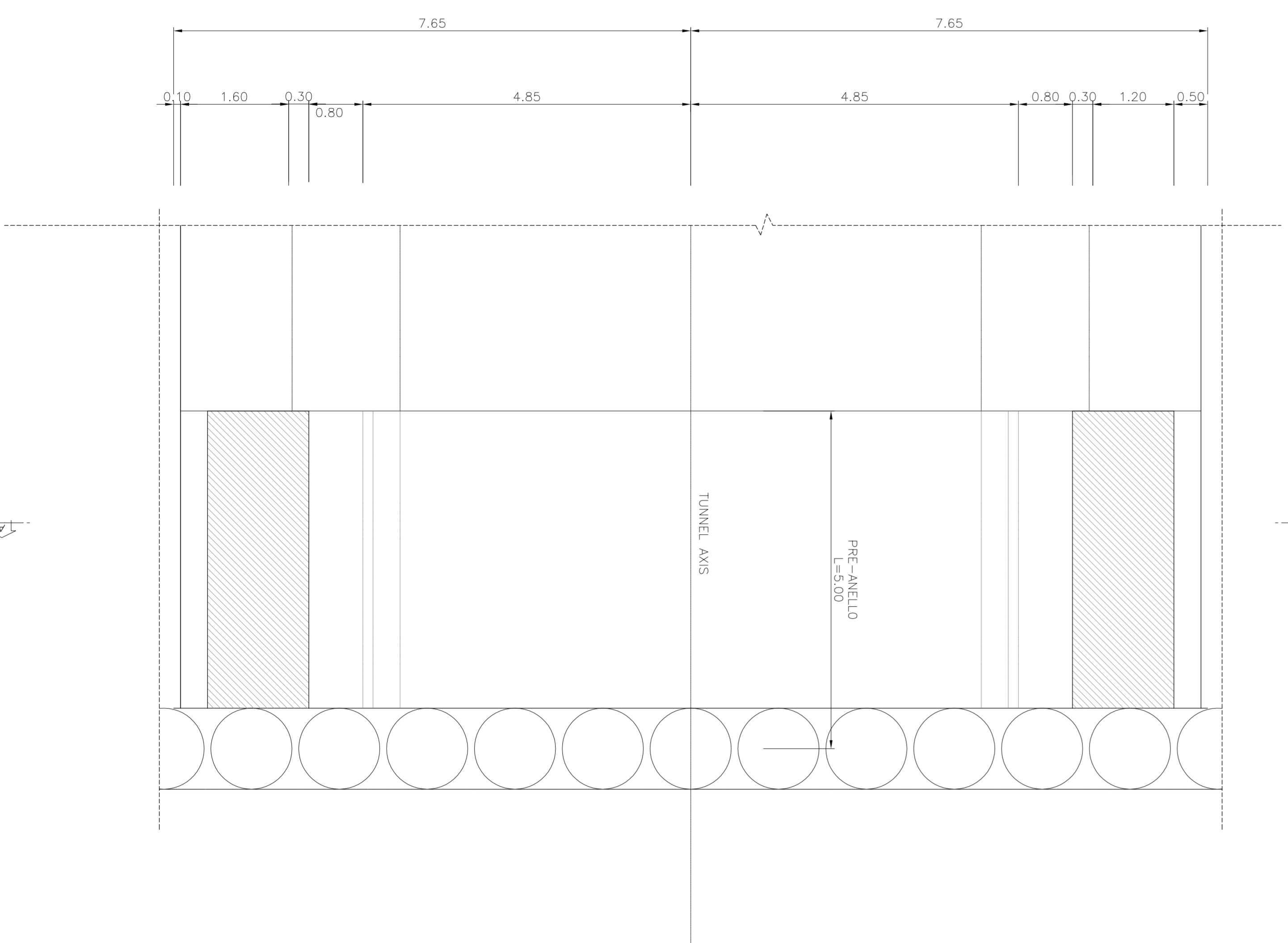
WATERPROOFING TUNNEL CROWN DETAIL
DETALIUL COROANA TUNELULUI HIDROIZOLATIEI

Scale/Scara 1:20



PLAN

Scale/Scara 1:50



MATERIAL TABLE

TUNNEL INVERT CONCRETE	
-	Type C2
-	f _{ck} 20 MPa
-	f _{td} 1.5 MPa
-	Minimum structure Class S3/S4
-	Exposure class related to environmental conditions MX2
-	Class of chloride content C 0.20
-	φ max aggregate = 32 mm
TUNNEL CROWN CONCRETE	
-	Type C1
-	f _{ck} 20 MPa
-	f _{td} 1.5 MPa
-	Minimum structure Class S3/S4
-	Exposure class related to environmental conditions MX2
-	Class of chloride content C 0.20
-	φ max aggregate = 32 mm
REINFORCING STEEL	
-	PLATE certified by endorsement
-	Weldable
LEAN CONCRETE	
-	Type 1
-	f _{ck} 2-17 MPa
-	Cement type CEM I/V

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 maintained in case of fire (4.2.2.3 Fire protection requirements for structure IS) Technical Specification for Interoperability.

NOTE
- Integrity structure de beton a tunelului artificial si natural, trebuie sa ramana intacta in caz de incendiu (4.2.2.3 cerinta de protectie in foc pentru structuri SI) Specificatii tehnice pentru interoperabilitate.

NOTE
- Handrail shall be installed approximately at 1 m above walking providing a route to a safe area (4.2.2.5 Escape walkways IS).

NOTE
- Bara de maina trebuie sa fie instalata aproximativ la 1 m deasupra calii de scapare pentru a oferi o ruta sigura (4.2.2.5 cerinta de scapare IS).

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

NOTE
- Semnale de evacuare trebuie sa fie instalate pe peretii laterali, la o distanta maxima intre semne de evacuare de 50m (4.2.2.9 Escapare Signage IS).

0									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									

CLIENT / CLIENT

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

CONSULTANT / CONSULTANT

TECNIC Consulting Engineers

PROJECT FINANCIAT DE UNIUNEA EUROPEANA
EUROPEAN UNION FINANCED PROJECT

CONSULTANT / CONSULTANT

TRALENER TRALENER CONSULTANTS

CONSULTANT / SUBCONSULTANT

ORRMENIS TUNNEL

Proiect/Project
Z046R016979/003
Faza / Phase:
P.H. / I.D.

NOTE

Reprezentarea la scară este în conformanță cu cerințele din proiect și nu este o reproducere a proiectului original. Toate drepturile sunt rezervate.

Scale/Scara: 1:50

Proiectat de: [Nume]

Verificat de: [Nume]

Revizuit de: [Nume]

Elaborat de: [Nume]

Proiectat de: [Nume]

Verificat de: [Nume]

Revizuit de: [Nume]

Elaborat de: [Nume]

Proiectat de: [Nume]

Verificat de: [Nume]

Revizuit de: [Nume]

Elaborat de: [Nume]