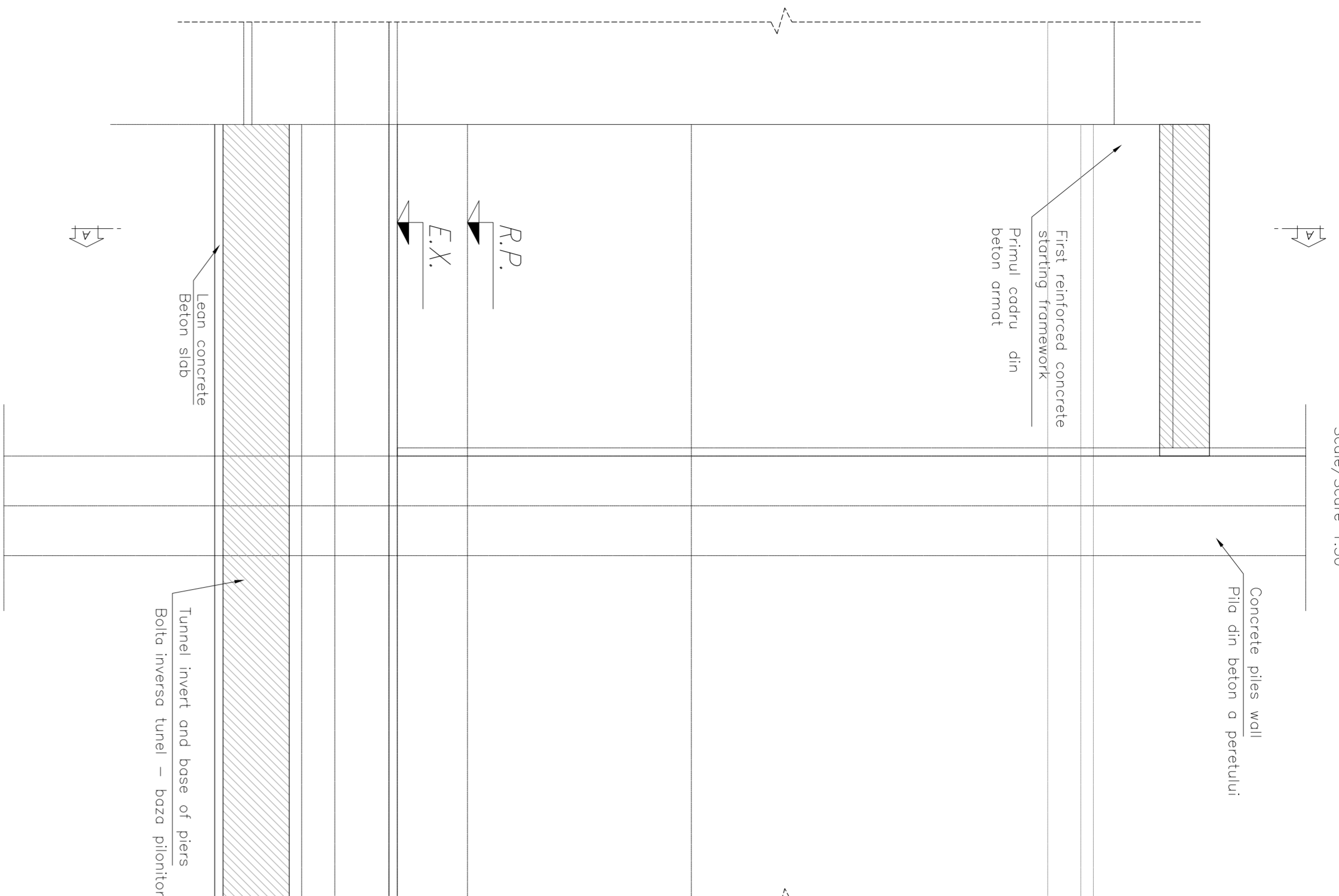


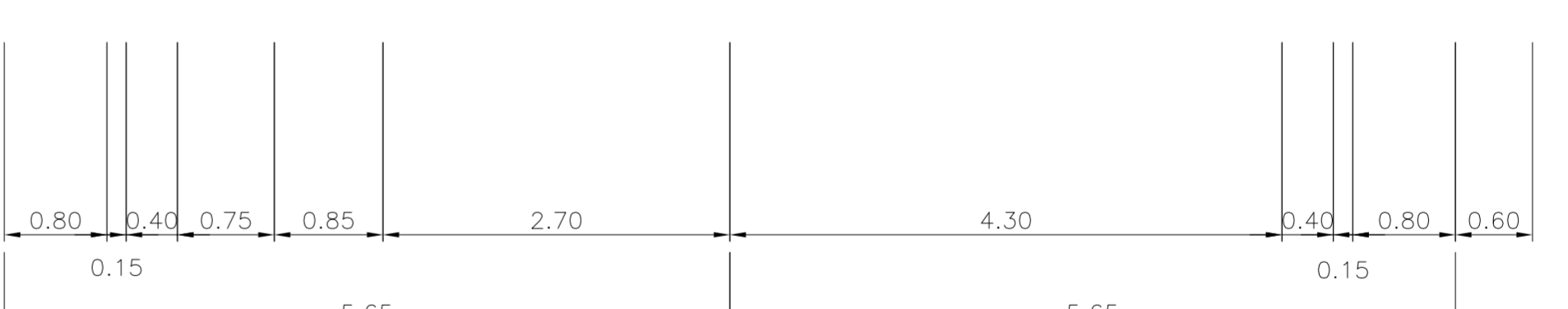
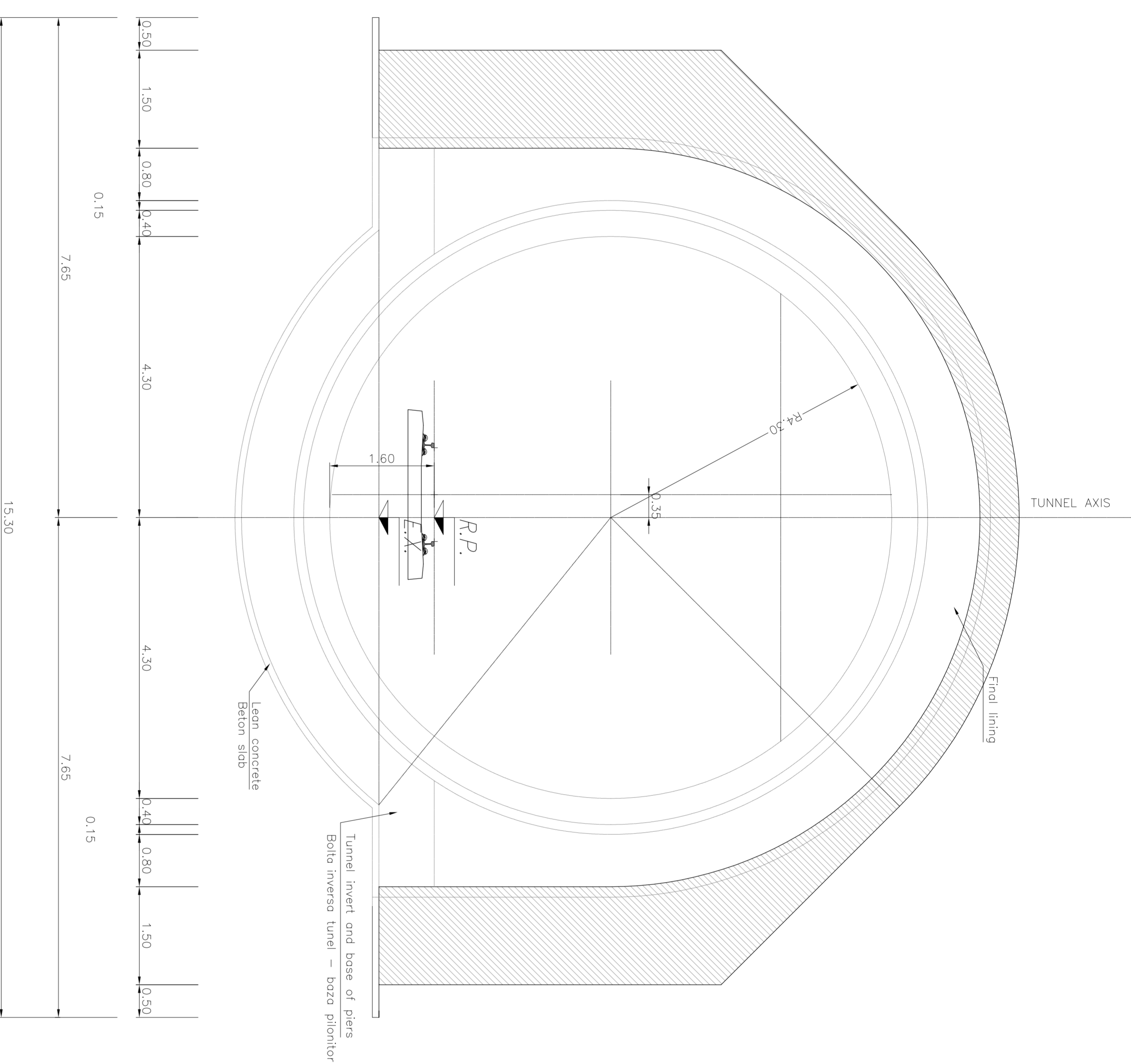
LONGITUDINAL SECTION
SECȚIUNEA LONGITUDINALĂ

Scale/Scale 1:50



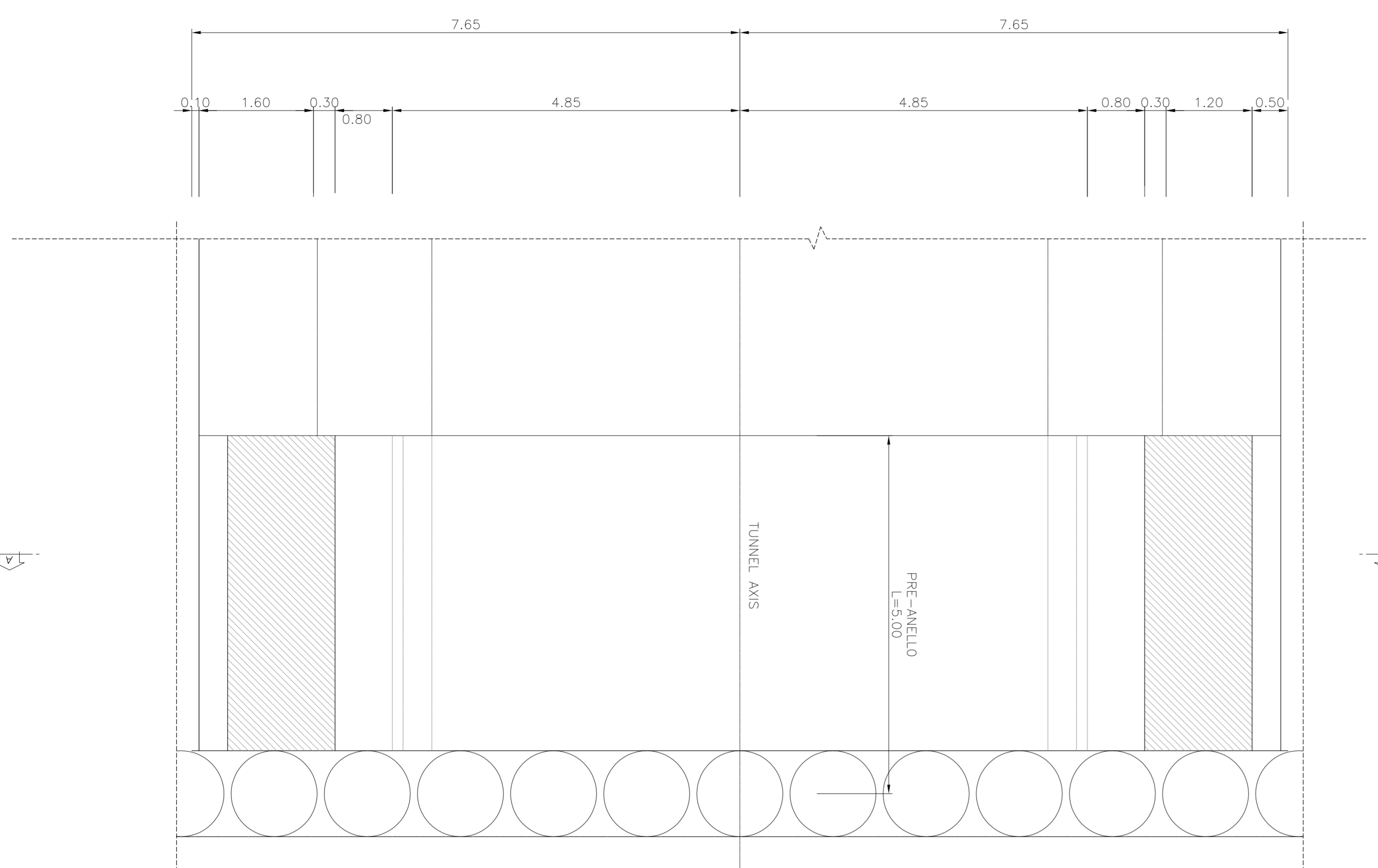
SECTION A-A
SECȚIUNEA CURENTĂ A-A

Scale/Scale 1:50



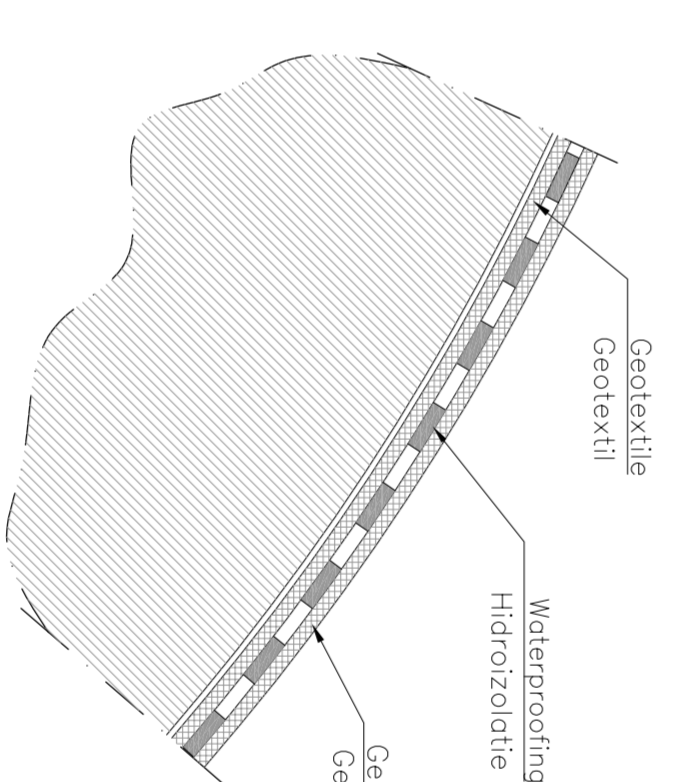
PLAN

Scale/Scale 1:50



WATERPROOFING TUNNEL CROWN DETAIL
DETAIUL COROANA TUNELULUI HIDROIZOLATIEI

Scale/Scale 1:20



MATERIAL TABLE

TUNNEL INVERT CONCRETE	
-	Type C2
-	Max 7-50 MPa
-	Minim structural class S1/S4
-	Concrete class S1/S4 to environmental conditions W2
-	Concrete class S1/S4 to environmental conditions W2
-	Class of chloride content Cl 0.20
-	Max aggregate = 20 mm
TUNNEL CROWN CONCRETE	
-	Type C1
-	Max 7-50 MPa
-	Minim structural class S1/S4
-	Concrete class S1/S4 to environmental conditions W2
-	Concrete class S1/S4 to environmental conditions W2
-	Class of chloride content Cl 0.20
-	Max aggregate = 20 mm
REINFORCING STEEL	
-	B450C certified by establishment
-	Min. modulus
LEAN CONCRETE	
-	Type C1
-	Type C1
-	Cement type CEM IV

LEGEND
RP = REFERENCE PLANE
EX = EXCAVATIONS PLANE
PC = CEMENS 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 TS1 Technical Specification for interoperability).

NOTE:
- Interference structures at holes a tunnels, reflects of structures, include as part of the structure TS1 Technical Specification for interoperability.

NOTE:
- Handrail shall be installed approximately of 1 m above walkways providing a route to a safe area (4.2.2.7 Escape walkways TS1).

NOTE:
- Bars de nina trebuie sa fie instalate aproximativ la 1 m deasupra calii de evacuare oferind un hessu nr-o zona sigura (4.2.2.7 evacuare structurale TS1).

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 TS1).

NOTE:
- Semnale de evacuare trebuie sa fie instalate pe pereții laterali la o distanță maximă între semne de evacuare de 50m (4.2.2.9 Escape signage TS1).

Index	DATA	Modificari	Proiectant	Revizor	Autentificat
A	2024	Modificari			

CLIENT / CLIENT
C.N.C.F. "C.F.R." S.A.

CONSULTANT / CONSULTANT
SCOTT WILSON
OBBERMEYER
TECNIC

SUBCONSULTANT / SUBCONSULTANT
HOMOROD TUNNEL

Code	Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Value
E	A	S	1	C	1	B	1	G	A	0	0
A	5	1	0	1	2	B	1	G	A	0	0