



STEELS TABLE	
REINFORCING STEEL:	Legend measures:
— B40C3 (weldable)	
Bending diameter R_B :	
ϕ Bar $< \phi 20 \rightarrow R_B = 6\phi$	
ϕ Bar $\phi 20 - \phi 28 \rightarrow R_B = 8\phi$	

MATERIAL TABLE	
TUNNEL LINER CONCRETE:	
— Type C20	— Water/cement ratio < 0.50
— Water/cement ratio < 0.50	— Exposure class related to environmental conditions: XA2
— Exposure class related to environmental conditions: XA2	— Current type CEM III/V cement C1 0,20
— ϕ max aggregate = 32 mm	
TUNNEL GROUND CONCRETE:	
— Type C10	— Water/cement ratio < 0.50
— Water/cement ratio < 0.50	— Exposure class related to environmental conditions: XA2
— Exposure class related to environmental conditions: XA2	— Current type CEM III/V cement C1 0,20
— ϕ max aggregate = 32 mm	
REINFORCING STEEL:	
— B40C3 controlled by endorsement	
— Mendable	
LEAN CONCRETE:	
— Type L12	
— Current type CEM IV	

LEGEND

RP = REFERENCE PLANE

EC = CENTERLINE

PC = CENTERS PLANE

Index	Date	Modifications	Projector	Approved	Author
A	2024.10.15	—	—	—	—
B	—	—	—	—	—
C	—	—	—	—	—
D	—	—	—	—	—

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CNC.F. "C.F.R." S.A.

CONSULTANT / CONSULTANT

TECNIC Consulting Engineers

PROJECT FINANȚATE DE UNIUNEA EUROPEANĂ

EUROPEAN UNION FINANCED PROJECT

REPUBLICA ROMÂNIEI

ROMANIAN GOVERNMENT

Approval	Date	Signature
Approved		—
Approved		—
Approved		—
Approved		—
Approved		—

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