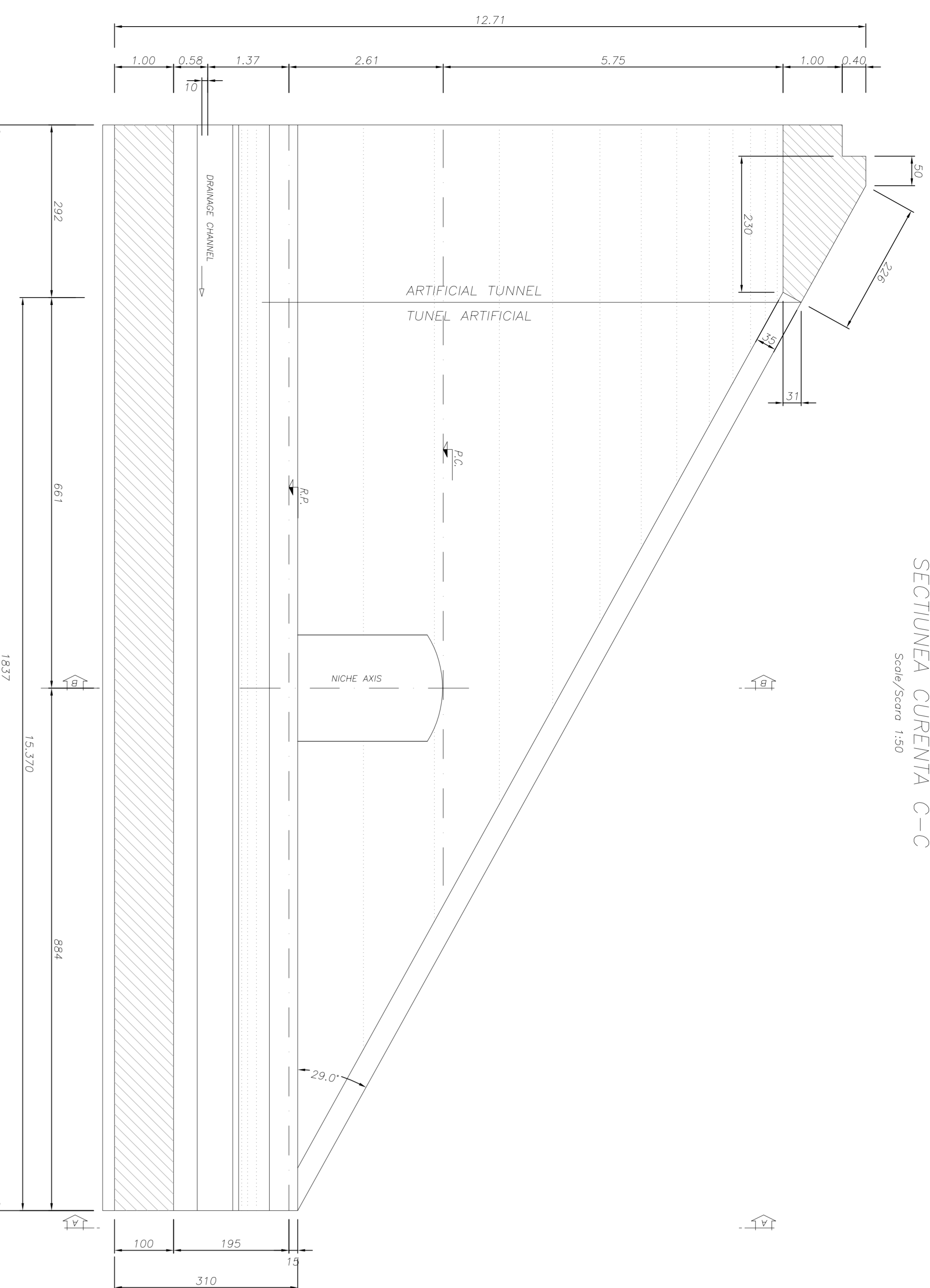
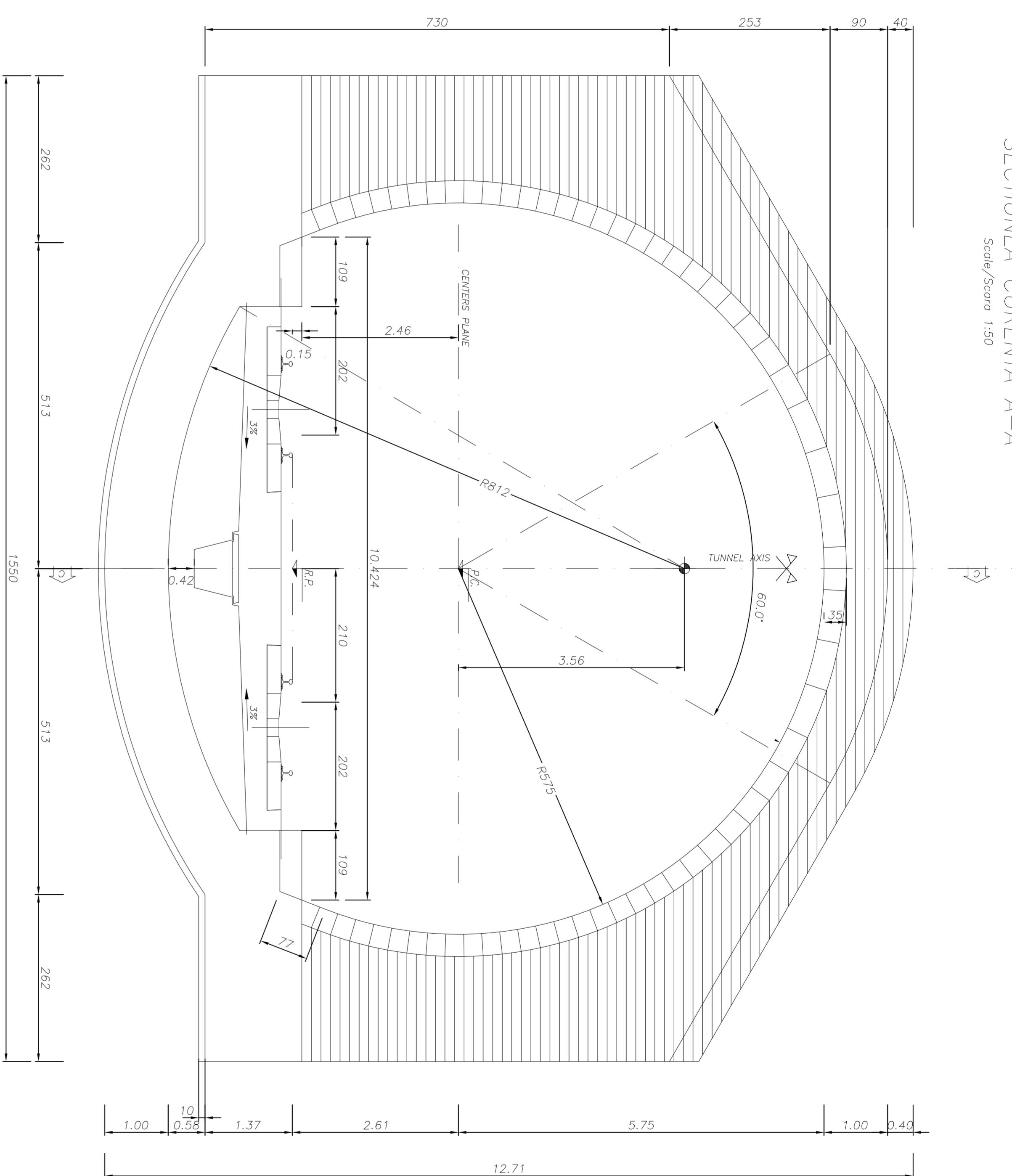


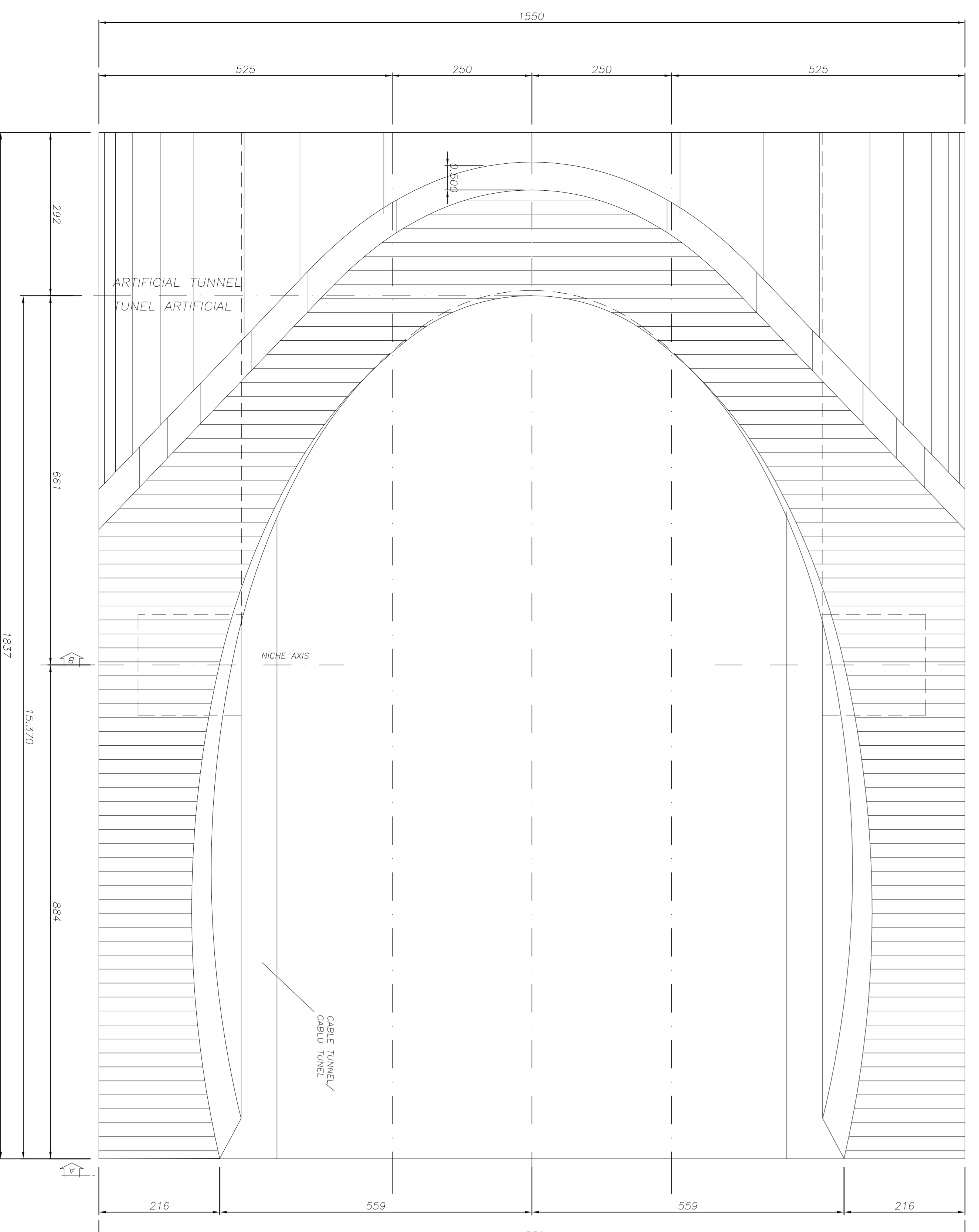
SECTION C-C-C
Scale/Scara 1:50



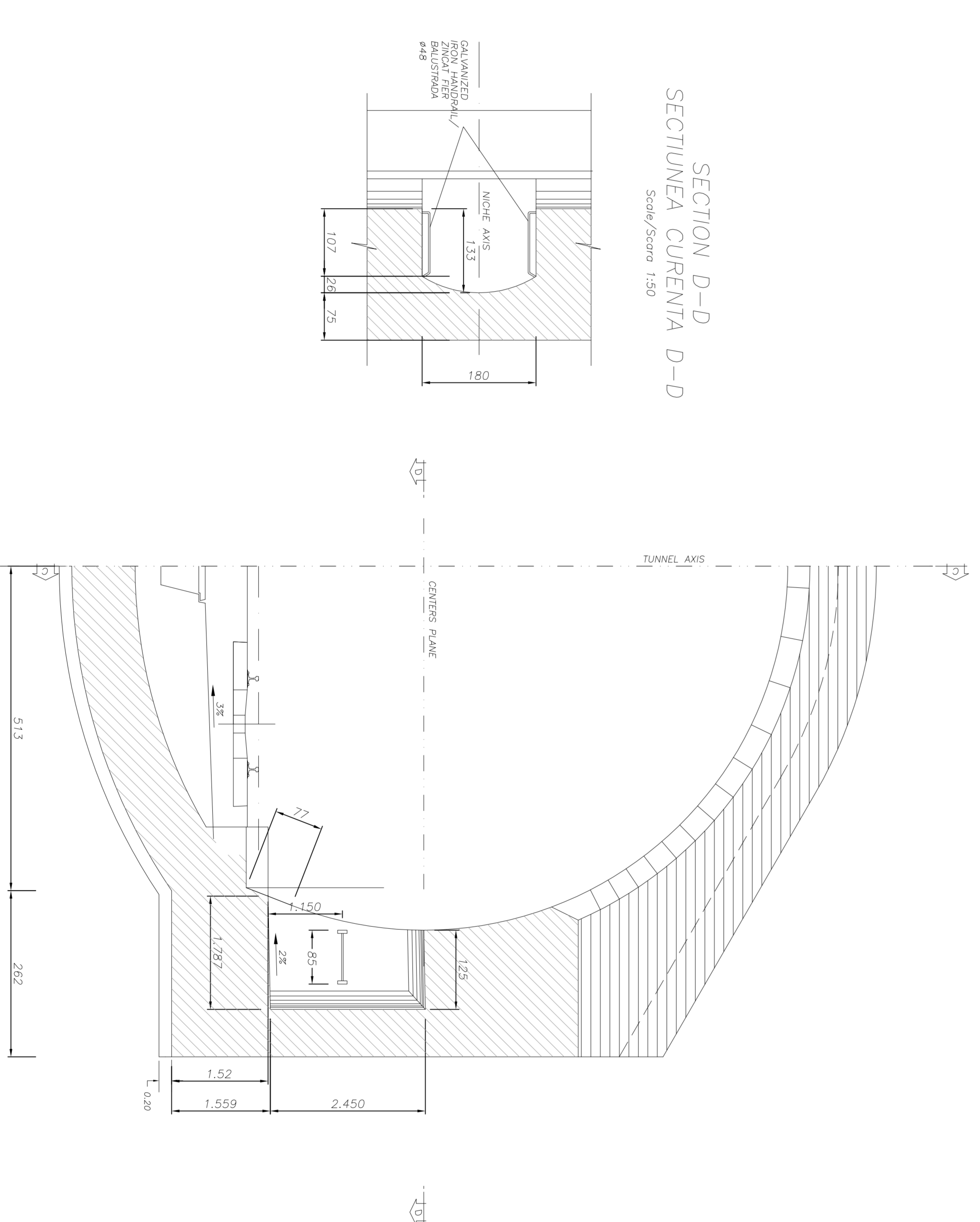
SECTION A-A-A
Scale/Scara 1:50



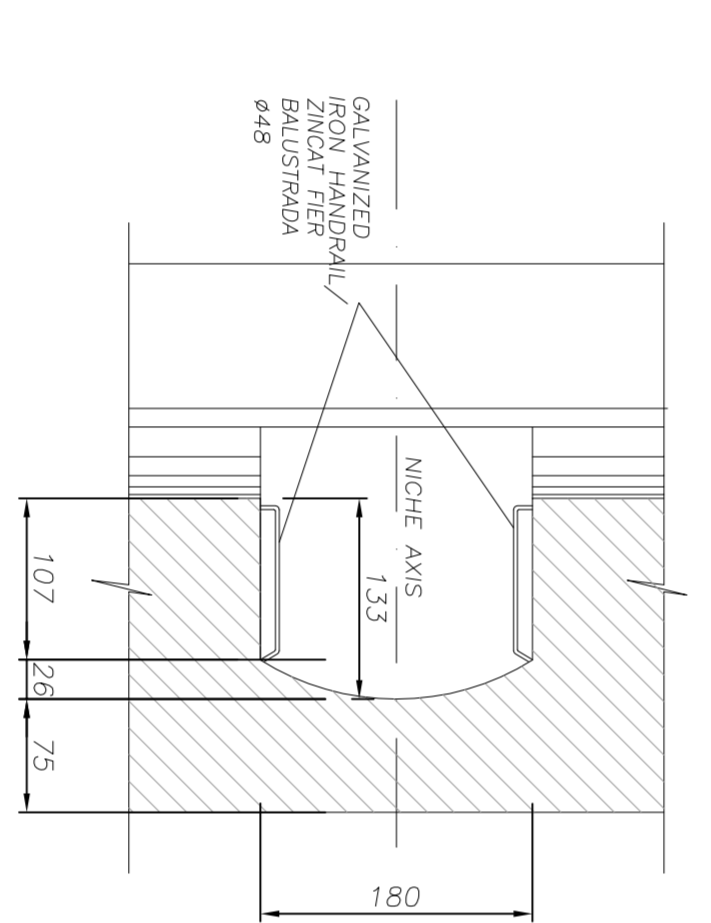
PLAN
Scale/Scara 1:50



SECTION WITH SHELTER STAFF NICHE B-B
SECTIUNEA CU NISE PENTRU ADAPOSTUL PERSONALULUI B-B
Scale/Scara 1:50



SECTION D-D-D
SECTIUNEA CURENTA D-D-D
Scale/Scara 1:50



MATERIAL TABLE

TUNNEL SHELF CONCRETE	CONCRETE
Type C25	Type C25
Water/cement ratio 0.50	Water/cement ratio 0.50
Exposure class exposed to environmental conditions Xk2	Exposure class exposed to environmental conditions Xk2
Cement type CEM III/V	Cement type CEM III/V
ϕ min aggregate = 20 mm	ϕ min aggregate = 20 mm
TUNNEL CONCRETE	TUNNEL CONCRETE
Type C15	Type C15
Water/cement ratio 0.50	Water/cement ratio 0.50
Minimum structural class S4/S5	Minimum structural class S4/S5
Exposure class exposed to environmental conditions Xk2	Exposure class exposed to environmental conditions Xk2
Cement type CEM III/V	Cement type CEM III/V
ϕ min aggregate = 20 mm	ϕ min aggregate = 20 mm
REINFORCING STEEL:	REINFORCING STEEL:
R60C casted by replacement	R60C casted by replacement
Mechode	Mechode
LEAF CONCRETE	LEAF CONCRETE
Type C12	Type C12
Cement type CEM IV	Cement type CEM IV

LEGEND

RP = REFERENCE PLANE
EX = EXPANSIONS PLANE
PC = CENTER'S 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 159 technical specification for interoperability.

NOTE:

Integrative structure of beton a tunelului artificial si natural, trebuie sa ramana integra in caz de incendiu (4.2.2.3) cerintele de protectie la foc pentru structuri 519 Specificatie tehnice pentru interoperabilitate.

NOTE:

Integritatea structurilor din beton ale tunelurilor artificiale si naturale trebuie sa fie mentinuta in caz de incendiu (4.2.2.3) cerintele pentru protectia la foc a tunelurilor 159 din specificatia tehnica pentru interoperabilitate.

NOTE:

Baza de nisa trebuie sa fie instalata aproximativ la 1 m deasupra caili de evacuare oferind un trotuar inițial zona sigura (4.2.2.7) evacuare include 579.

NOTE:

Escapa sigura trebuie sa fie instalata pe distante de maximum distance - distante escapa sigura de 50m (4.2.2.7) Escapa sigura 159.

NOTE:

Scara de evacuare trebuie sa fie instalata pe pereti laterali la o distanta maxima nisa scara de evacuare de 50m (4.2.2.7) Escapa sigura 579.

Index	Date	Modificari	Proiectant	Revizuit	Autentificat
B					
A					

CLIENT / CLIENT		CFR		C.N.C.F. "C.F.R." - S.A.	
CONSULTANT / CONSULTANT		SECTIA 3		OBERMEYER	
CONSULTANT / SUBCONSULTANT		TECNIC		CONSULTING ENGINEERS	
Approved	Project manager	R. Litza			
Authorized	Co-ordinator	C. Ghimbiu			
Verified	Technical expert	C. Ghimbiu			
Issued	Designer	C. Ghimbiu			

Denumire desen / Drawing title: ENTRANCE MAINTENANCE TUNNEL

Proiect/Project: ZIDUL RUCU/16/97/002

Faza/Phase: P.I.N. / I.O.

Scara / Scale: 1:10

Valori / Values: 1:10