PILES WALL/PILA Ø1200/1.30m
H=15.00m TIPE/TIP 1

POS.	Ø	FORM	LENGHT
	[mm]		[cm]
1	14	1200	1200 20
2	20 / 1500	345	345 9
3	12 / 200	174	348 75
4	20	500 (2000) 1200	500 26

PILES WALL/PILA Ø1200/1.30m
H=17.00m TIPE/TIP 2

POS.	Ø	FORM	LENGHT
	[mm]		[cm]
1	16	1200	1200 20
2	20 / 1500	345	345 11
3	12 / 200	174	348 83
4	20	700 (2000) 1200	700 26

PILES WALL/PILA Ø1200/1.30m
H=22.00m TIPE/TIP 3

POS.	Ø	FORM	LENGHT
	[mm]		[cm]
1	20	1200	1200 26
2	20 / 1500	345	345 14
3	12 / 200	174	348 109
4	16	1200 (2000) 1200	1200 20

PILES WALL/PILA Ø1200/1.30m
H=25.00m TIPE/TIP 4

POS.	Ø	FORM	LENGHT
	[mm]		[cm]
1	26	1200	1200 30
2	20 / 1500	345	345 16
3	12 / 200	174	348 122
4	26	1200 (2000) 1200	510 35

PILES WALL/PILA Ø1200/1.30m
H=28.00m TIPE/TIP 5

POS.	Ø	FORM	LENGHT
	[mm]		[cm]
1	26	1200	1200 35
2	20 / 1500	345	345 18
3	14 / 200	174	348 137
4	26	800 (2000) 1200	800 35

PILES WALL/PILA Ø1200/1.30m
H=15.00m Scale/Scare 1:50

PILES WALL/PILA Ø1200/1.30m
H=17.00m Scale/Scare 1:50

PILES WALL/PILA Ø1200/1.30m
H=22.00m Scale/Scare 1:50

PILES WALL/PILA Ø1200/1.30m
H=25.00m Scale/Scare 1:50

PILES WALL/PILA Ø1200/1.30m
H=28.00m Scale/Scare 1:50

PILES WALL/PILA Ø1200/1.30m
H=15.00m

PILES WALL/PILA Ø1200/1.30m
H=17.00m

PILES WALL/PILA Ø1200/1.30m
H=22.00m

PILES WALL/PILA Ø1200/1.30m
H=25.00m

PILES WALL/PILA Ø1200/1.30m
H=28.00m

STEELS TABLE

REINFORCING STEEL. Legend measures:

– B450C (welcotie)

Bending diameter d_{BI}:

ø Bar < ø20 --> d_{BI}=6ø

ø Bar ø20-ø26 --> d_{BI}=8ø

MATERIAL TABLE

CONCRETE PILE.

– Type H2
– fck >=25 MPa
– Water/cement ratio <0,50
– Cement type CEM III/V
– Class of chloride content Cl 0,20
– ø max aggregate = 22,4 mm

CONCRETE CURB.

– Type H2
– fck >=25 MPa
– Water/cement ratio <0,50
– Minimum structural Class S4/S5
– Cement type CEM III/V
– Class of chloride content Cl 0,20
– ø max aggregate = 22,4 mm

REINFORCING STEEL.

– B450C controled by establishment
– Weldable

LEAN CONCRETE.

– Type I
– fck >=12 MPa
– Cement type CEM I/V

Index	Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR
D					
C					
B					
A					

PROIECT FINANTAT DE UNIUNEA EUROPEANA
EUROPEAN UNION FINANCED PROJECT

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

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

CLIENT / CLIENT

CONSULTANT / CONSULTANT

Aprobat Approved	Şef proiect Project manager	R. Liuzza	Semnătura Signature
Aprobat Approved	Coordonator Secțiune 1 Section 1 Coordinator	C.Gambăă	
Verificat Checked	Tunel Expert Tunnel Expert	C. Gambăă	
Întocmit Elaborated	Proiectant Designer	C.Gambăă	

SUBCONSULTANT / SUBCONSULTANT

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible		
Întocmit Elaborated	Proiectant Designer		

Realizarea lotului de cale ferată Bârgău - Simetia, parte componentă a coridorului IV Pan european, pentru circulaţia trenurilor cu viteza maximă de 160 km/h.

Secțiune 1 Bârgău - Sighișoara

Section 1 Bârgău - Sighișoara

Proiect/Project
2004/RO/16/P/PA/003

Reabilitarea liniei de cale ferată Bârgău - Simetia, componentă Pan a IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h.

Faza / Phase:
P.Th. / T.D.

Denumire desen / Drawing Title :

MURENI TUNNEL

INTRARE VAMATOR SIDE

Tunnel entrance concrete pile wall: Reinforcements

Piloti din beton si perete din incinta in tunel: Armaturi

Scara / Scale	LOT	Nr. / No.
variat / various		-

Codificare / Codification System

E A 5 1 0 1 C 1 6 B Z G A 1 1 0 0 0 2 0