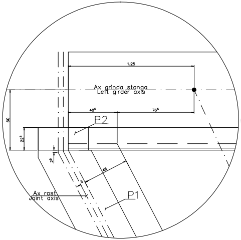
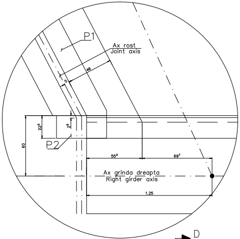
DETALIU 1
scara 1:10

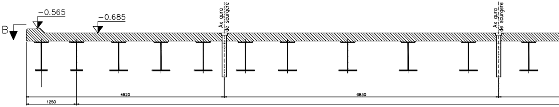


1.25
Ax grinda stanga
Left girder axis
60
48^5
76^5
P2
22^5
2^5
46
5
Ax rost
Joint axis
P1

DETALIU 1
scara 1:10



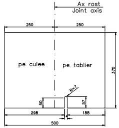
P1
Ax rost
Joint axis
46
5
22^5
2^5
60
P2
55^3
69^7
Ax grinda dreapta
Right girder axis
1.25



B
−0.565
−0.685
Ax gura de scurgere
Ax gura de scurgere
1250
4920
6830

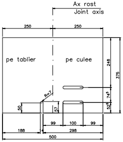
VEDERE B–B
SCARA 1:50

P2 scara 1:10
Capac–otel 375x5–500
Steel lid 375x5–500

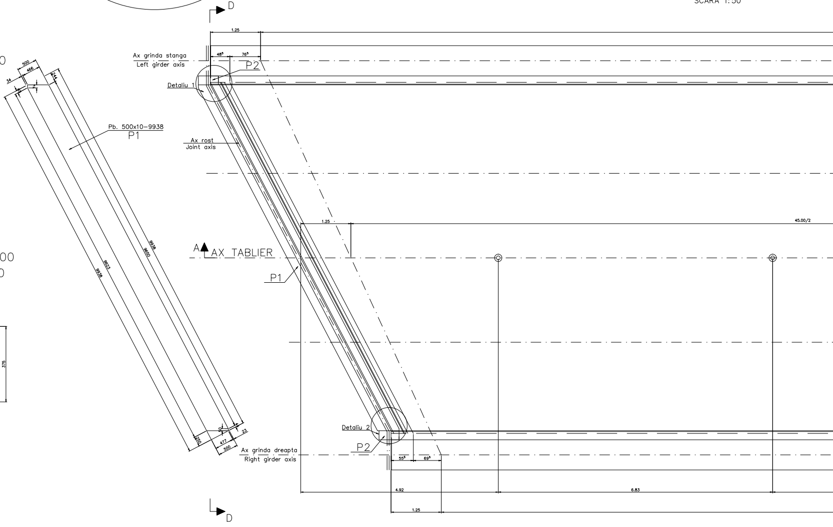


Ax rost
Joint axis
250
250
pe culee
pe tablier
375
R=7
50
57
298
188
500

P3 scara 1:10
Capac–otel 375x5–600
Steel lid 375x5–600



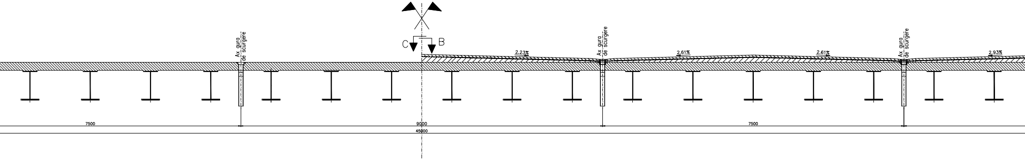
Ax rost
Joint axis
250
250
pe tablier
pe culee
248
375
R=7
74^5
50
57
52^5
188
99
100
99
298
500



500
466
34
Pb. 500x10–9938
P1
9938
9850
9823
9938
50
23
250
477
500
D
1.25
Ax grinda stanga
Left girder axis
48^5
76^5
P2
Detaliu 1
Ax rost
Joint axis
1.25
45.00/2
A
AX TABLIER
P1
Detaliu 2
P2
Ax grinda dreapta
Right girder axis
55^5
69^5
4.92
6.83
1.25
D

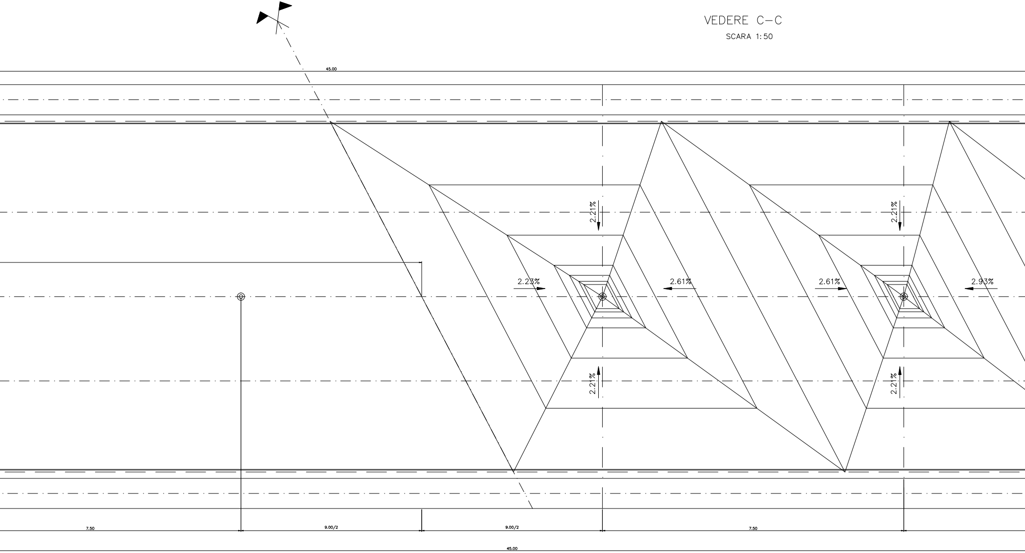
SECTIUNE LONGITUDINALA A–A

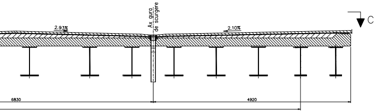
SCARA 1:50


C
B
Ax gura de scurgere
2.23%
Ax gura de scurgere
2.61%
2.61%
Ax gura de scurgere
2.93%
7500
9000
45000
7500

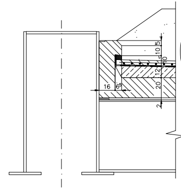
VEDERE C–C

SCARA 1:50


45.00
2.21%
2.21%
2.23%
2.61%
2.61%
2.93%
2.21%
2.21%
7.50
9.00/2
9.00/2
7.50
45.00

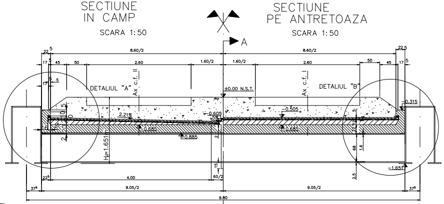

Ax gura de scurgere
2.93%
2.10%
C
6830
4920

DETALIUL "A"
SCARA 1:20

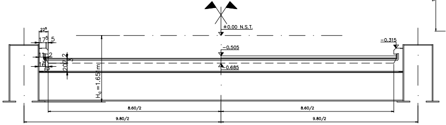

10.5
10
12
20
16
6.5
2

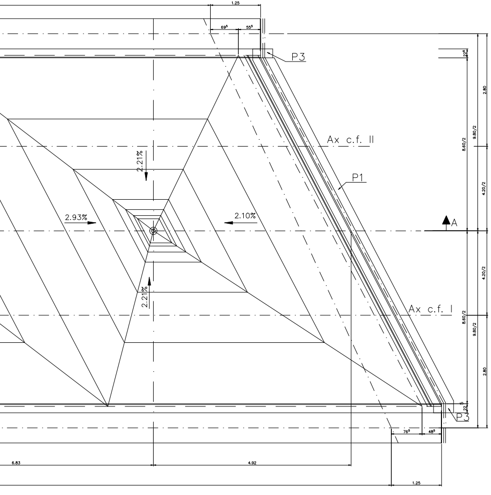
SECTIUNE IN CAMP
SCARA 1:50

SECTIUNE PE ANTRETOAZA
SCARA 1:50

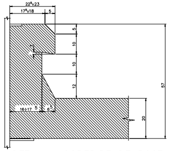

A
8.60/2
2.60
1.60/2
50
45
DETALIUL "A"
DETALIUL "B"
Ax c.f. II
Ax c.f. I
±0.00 N.S.T.
-0.315
-0.505
-0.605
2.21%
-0.685
-0.885
H=1.651m
-1.651
4.00
9.05/2
9.80
A

VEDERE D-D
SCARA 1:50

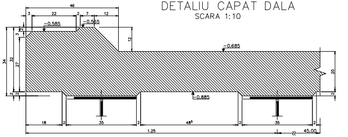

±0.00 N.S.T.
-0.315
-0.505
-0.685
Hc=1.651m
8.60/2
9.80/2


1.25
69.5
55.5
P3
Ax c.f. II
P1
2.21%
2.93%
2.10%
A
Ax c.f. I
2.80
9.80/2
8.60/2
4.20/2
76.5
48.5
6.83
4.92
1.25

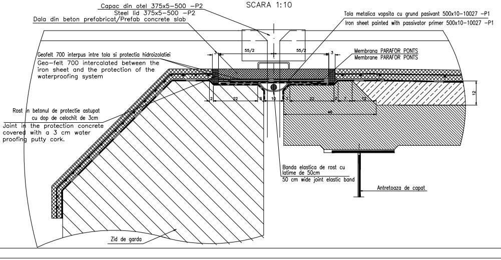
DETALIU PERETE LATERAL DALA
SCARA 1:10


22.5÷23
17.5÷18
5
10
12
57
16÷17
20

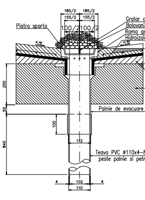
DETALIU CAPAT DALA
SCARA 1:10


46
22
7
12
-0.585
-0.565
-0.685
-0.885
34
32
27
20
18
35
48.5
1.25
45.00

DETALIU ACOPERIRE DE ROST INTRE TABLIER SI CULEE
DETAIL: JOINT COVERING BETWEEN THEN DECK AND ABUTMENT
SCARA 1:10

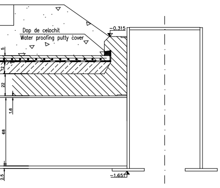

Capac din otel 375x5-500 -P2
Steel lid 375x5-500 -P2
Dala din beton prefabricat/Prefab concrete slab
Tola metalica vopsita cu grund pasivant 500x10-10027 -P1
Iron sheet painted with passivator primer 500x10-10027 -P1
Geofelt 700 interpus intre tola si protectia hidroizolatiei
Geo-felt 700 intercalated between the iron sheet and the protection of the waterproofing system
Membrana PARAFOR PONTS
Membrane PARAFOR PONTS
55/2
3
22
10
7
12
46
Rost in betonul de protectie astupat cu dop de celochit de 3cm
Joint in the protection concrete covered with a 3 cm water proofing putty cork.
Banda elastica de rost cu latime de 50cm
50 cm wide joint elastic band
Antretoaza de capat
Zid de garda

DETALIU DE GURA DE S
VARIANTA G1 CONFORM
SCARA 1:10

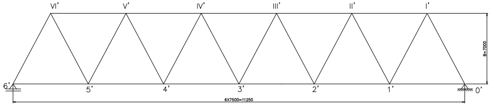

185/2
155/2
100/2
Piatra sparta
Gratar c
Bolovani
Rama gr
Hidroizol
5%
200
50
100
840
Palnie de evacuare
112
Teava PVC ø110x4-8
peste palnie si petr
102
110
4

DETALIUL "B"

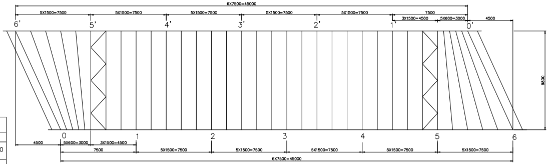
SCARA 1:20


Dop de celochit
Water proofing putty cover
−0.315
5
12
22
1.6
68
2.5
−1.651

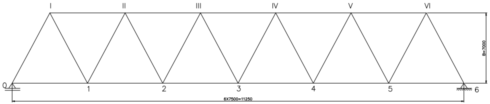
SCHEMA GEOMETRICA A TABLIERULUI
GENERAL SCHEME
GRINDA PRINCIPALA STANGA
LEFT MAIN GIRDER


VI'
V'
IV'
III'
II'
I'
6'
5'
4'
3'
2'
1'
0'
B=7000
6X7500=11250

PLANUL ANTRETOAZELOR
CROSS BARS – PLAN


6X7500=45000
5X1500=7500
5X1500=7500
5X1500=7500
5X1500=7500
5X1500=7500
7500
3X1500=4500
5X600=3000
4500
6'
5'
4'
3'
2'
1'
0'
9800
0
1
2
3
4
5
6
4500
5X600=3000
3X1500=4500
7500
5X1500=7500
5X1500=7500
5X1500=7500
5X1500=7500
5X1500=7500
6X7500=45000

GRINDA PRINCIPALA DREAPTA
RIGHT MAIN GIRDER


I
II
III
IV
V
VI
0
1
2
3
4
5
6
B=7000
6X7500=11250

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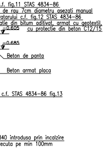
This drawing is forbidden to be copied, lent or used in other purposes than those previously approved by Arex Lider Company as its owner.

MATERIAL METALIC PENTRU CONFECTIONAREA ROSTURILOR
THE METALLIC MATERIAL TO BUILD OF JOINTS

Poz. Piece	Denumirea piesei	Buc.	Sectiune Section	Lung. Long. (mm)	Sectiune/Section		
					kg/ml	kg/buc	kg
P1	Platbanda Sheet-metal strip	2	500x10	9938	39.25	390.07	780
P2	Platbanda capac Steel lid	2	375x5	500	14.72	7.36	15
P3	Platbanda capac Steel lid	2	375x5	500	14.72	7.36	15
					Total partial		810
					Sudura 2% Welding 2%		16
					Pierderi 5% Losses 5%		41
					TOTAL kg		870

SCURGERE TIP T2
STAS 4834−86


.f. fig.11 STAS 4834−86
de rau 7cm diametru asezati manual
ratarului c.f. fig.12 STAS 4834−86
atie din bitum aditivat, armat cu geotextil,
−0.605
cu protectie din beton C12/15
−0.685
Beton de panta
Beton armat placa
c.f. STAS 4834−86 fig.13
340 introdusa prin incalzire
ecuta pe min 100mm

Legenda betoanelor/Concrete legend

▧ Beton de panta.
Concrete in the protection layer of waterproofing system.
C 25/30−CEM II/A−S 32,5−(XF3)−A/C=0,55−Dmax.16−Cl 0,20

▨ Beton in stratul de protectie al hidroizolatiei
Concrete in the protection layer of the waterproofing
C 25/30−CEM II/A−S 32,5−(XC4+XF3)−A/C=0,50−D_{max}16−Cl 0,20

▨ Beton armat in dalele tablierului
Reinforced concrete in the deck slabs
C 35/45−CEM II/A−S 32,5−(XC4+XF3+XA2)−A/C=0,50−D_{max}16−Cl 0,20

NOTA

Prezentul plan a fost intocmit conform dispozitiei generale
−Turnarea betonului din dala se va face in mod continuu pornind dela mijloc spre capete.
−Turnarea dalei se va face cu tablierul metalic sprijinit pe rezemele definitive.
−Gurile de scurgere se vor amplasa si fixa inainte de turnarea betonului.
−Podul corespunde la convoaiele de calcul UIC (LM71 si SW/2).
−La executie se va respecta cu strictete normativul NE 012−2010, iar verificarea calitatii lucrarilor si receptionarea lor se va face conform normativului C56−1985.

NOTE

This plan was drawn up according to the General Layout
− Casting the concrete in the slab shall be made continuous, starting from the middle to the ends.
− Casting the slab shall be made with the steel deck supported on the final supports.
− The discharge outflows shall be placed and fixed before casting the concrete.
− Bridge convoys calculation corresponds to UIC (LM71 and SW/2).
− The following shall be strictly complied with: norm NE 012−2010 for building and norm C56−1985 for checking the works quality and for the works acceptance.

Indice Index	Data Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR
D					
C					
B					
A	12.2011	Revizia 1 1 Revision	Maria Campan		

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANŢAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

CLIENT / CLIENT

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

ITALFERR
GRUPPO FERROVIE DELLO STATO
Joint Venture leader

Scott Wilson

OBERMEYER
PLANEN + BERATEN GmbH

TECNIC
Consulting Engineers

CONSULTANT / CONSULTANT

			Data Date	Semnătură Signature
Aprobat Approved	Şef proiect Project manager	R. Liuzza		
Aprobat Approved	Coordonator Secţiune 1 Section 1 Coordinator	C. Gambelli		
Verificat Checked	Expert Cheie Checking Expert	V. Kallidromitis		

SUBCONTRACTANT / SUBCONTRACTOR

AREX COMPANY

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A.Stanciu - Dinulescu	12.2011	
Întocmit Elaborated	Proiectant Designer	Maria Campan	12.2011	

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componentă a coridorului IV Pan European, pentru circulaţia trenurilor cu viteza maximă de 160 km/h,
Tronsonul : Brasov - Sighisoara
Rehabilitation of the railway line Brasov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h,
Section : Brasov - Sighisoara

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

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

Denumire desen / Drawing Title :

INTERVAL / SECTION BOD - FELDIOARA
Pod km. 179+087.689 D=45.00m Plan cofraj dala
Bridge km. 179+087.689 D=45.00m Slab shuttering plane

Codificare / Codification System	Scara / Scale	LOT / LOT	Nr. / No
	1:50		01 / 01

EA51 01 E 04 BB PV 00 2 2 007 1