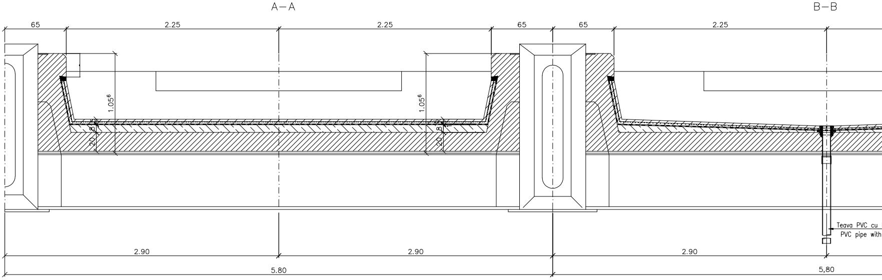
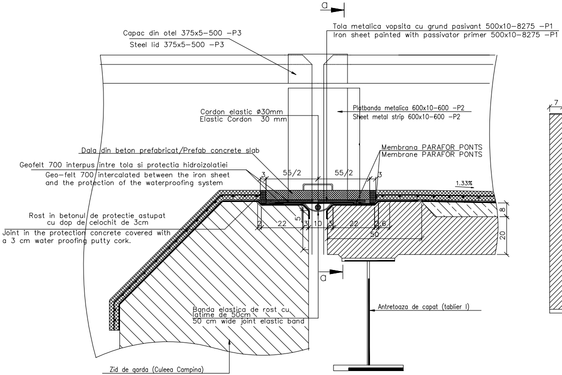
SECTIUNE TRANSVERSALA / CROSS SECTION

Scara 1:50


A–A
B–B
65
2.25
2.25
65
65
2.25
1.05⁶
1.05⁶
20
8
20
8.5
Teava PVC cu
PVC pipe with
2.90
2.90
2.90
5.80
5,80

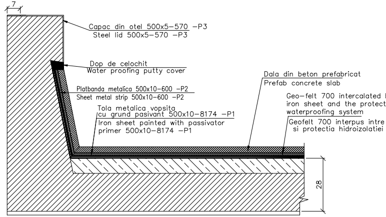
DETALIU ACOPERIRE DE ROST INTRE TABLIER SI CULEE
DETAIL: JOINT COVERING BETWEEN THEN DECK AND ABUTMENT

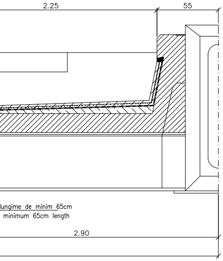
Scara 1:10


a
Tola metalica vopsita cu grund pasivant 500x10–8275 –P1
Iron sheet painted with passivator primer 500x10–8275 –P1
Capac din otel 375x5–500 –P3
Steel lid 375x5–500 –P3
Cordon elastic ø30mm
Elastic Cordon 30 mm
Platbanda metalica 600x10–600 –P2
Sheet metal strip 600x10–600 –P2
Dala din beton prefabricat/Prefab concrete slab
Membrana PARAFOR PONTS
Membrane PARAFOR PONTS
Geofelt 700 interpus intre tola si protectia hidroizolatiei
Geo–felt 700 intercalated between the iron sheet
and the protection of the waterproofing system
3
55/2
55/2
3
1.33%
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.
5
2
22
3
10
3
22
2.6
50
8
20
a
Antretoaza de capat (tablier I)
Banda elastica de rost cu
latime de 50cm
50 cm wide joint elastic band
Zid de garda (Culeea Campina)

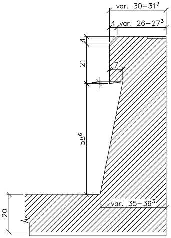
SECTIUNE a–a
a–a SECTION

Scara 1:10


7
Capac din otel 500x5–570 –P3
Steel lid 500x5–570 –P3
Dop de celochit
Water proofing putty cover
Platbanda metalica 500x10–600 –P2
Sheet metal strip 500x10–600 –P2
Tola metalica vopsita
cu grund pasivant 500x10–8174 –P1
Iron sheet painted with passivator
primer 500x10–8174 –P1
Dala din beton prefabricat
Prefab concrete slab
Geo–felt 700 intercalated
iron sheet and the protect
waterproofing system
Geofelt 700 interpus intre
si protectia hidroizolatiei
28

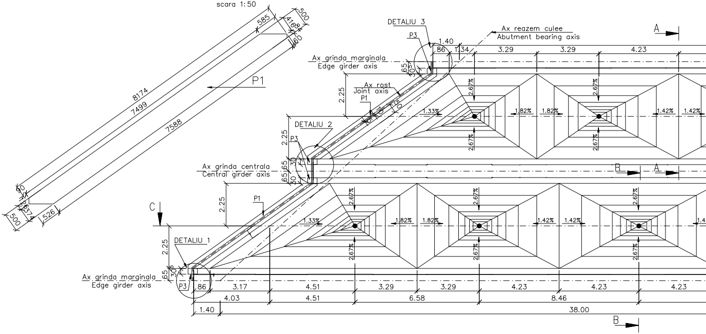

2.25
55
lungime de minim 65cm
minimum 65cm length
2.90

DETALIU A
A DETAIL
Scara 1:10

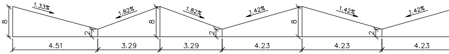

var. 30–31³
4 var. 26–27³
4
21
7
58⁶
20
var. 35–36³

P1
scara 1:50

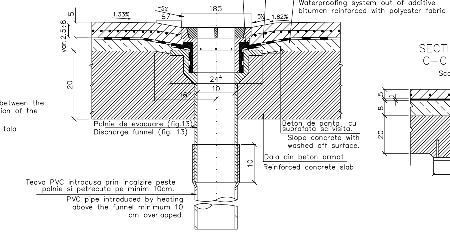
585
500
416
84
60
P1
8174
7499
7588
60
84
416
374
500
526


VE
DETALIU 3
P3
1.40
86
1.34
Ax reazem culee
Abutment bearing axis
A
3.29
3.29
4.23
Ax grinda marginala
Edge girder axis
65
30⁵
2.25
Ax rost
Joint axis
P1
50
2.67%
1.33%
1.82%
1.82%
1.42%
1.42%
DETALIU 2
2.25
P3
Ax grinda centrala
Central girder axis
30
65
65
30
B
A
2.25
P1
C
2.25
DETALIU 1
Ax grinda marginala
Edge girder axis
65
30⁵
P3
86
3.17
4.51
3.29
3.29
4.23
4.23
4.23
4.03
4.51
6.58
8.46
1.40
38.00
B

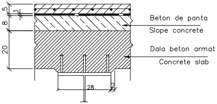
SECTIUNE LONGITUDINALA PRIN BETONUL DE PANTA C-C / C-C LONGI
Scara 1:100; 1:20


1.33%
1.82%
1.82%
1.42%
1.42%
1.42%
8
2
8
2
8
2
4.51
3.29
3.29
4.23
4.23
4.23

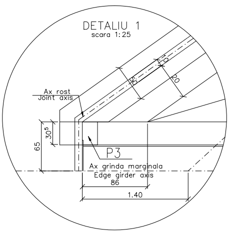
DETALIU GURA DE SCURGERE TIP T2,G1 CONFORM STAS 4834/86 SI STAS 5088/75
DETAIL: DISCHARGE OUTFLOW TYPE T2, G1, ACCORDING TO STAS 4834/86 AND STAS 5088/75
Scara 1:5


Beton de protectie a hidroizolatiei armat cu plasa de Buzau.
Buzau net reinforced concrete protecting the waterproofing system
Umplutura cu mastic
Mastic filling
Hidroizolatie din bitum aditivat armat cu tesatura poliesterica
Waterproofing system out of additive bitumen reinforced with polyester fabric
5
1.33%
~5%
67
185
5%
1.82%
var.2.5÷8
20
24⁴
16³
10
between the
ion of the
tola
Palnie de evacuare (fig.13)
Discharge funnel (fig. 13)
Beton de panta cu suprafata sclivisita.
Slope concrete with washed off surface.
Dala din beton armat
Reinforced concrete slab
10
Teava PVC introdusa prin incalzire peste palnie si petrecuta pe minim 10cm.
PVC pipe introduced by heating above the funnel minimum 10 cm overlapped.

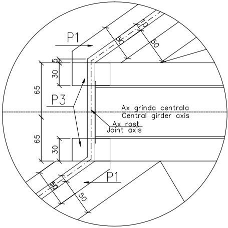
SECTIUNE C-C
C-C SECTION
Scara 1:10


5
1
8
20
28
2
Beton de panta
Slope concrete
Dala beton armat
Concrete slab

DETALIU 1
scara 1:25

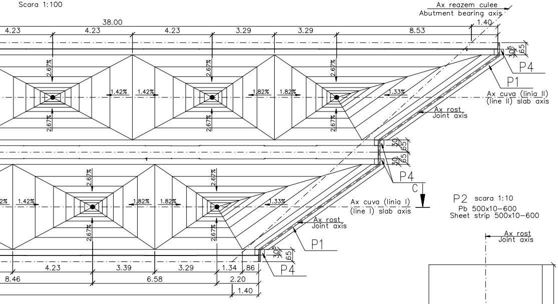

10
50
20
Ax rost
Joint axis
30⁵
65
P3
Ax grinda marginala
Edge girder axis
86
1.40

DETALIU 2
scara 1:25

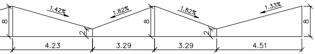

P1
10
50
50
5
30
65
P3
Ax grinda centrala
Central girder axis
Ax rost
Joint axis
65
30
P1
50
50

EDERE IN PLAN
PLAN VIEW

Scara 1:100

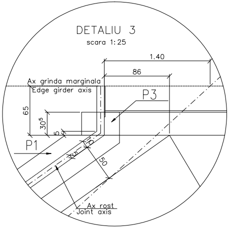

Ax reazem culee
Abutment bearing axis
38.00
4.23
4.23
4.23
3.29
3.29
8.53
1.40
30⁵
65
P4
P1
2.67%
1.42%
1.42%
1.82%
1.82%
1.33%
Ax cuva (linia II)
(line II) slab axis
Ax rost
Joint axis
30
65
65
30
P4
C
Ax cuva (linia I)
(line I) slab axis
Ax rost
Joint axis
P1
P4
4.23
3.39
3.29
1.34
86
8.46
6.58
2.20
1.40

TUDINAL SECTION THROUGH THE SLOPE CONCRETE


1.42%
1.82%
1.82%
1.33%
8
2
8
2
8
4.23
3.29
3.29
4.51

DETALIU 3

scara 1:25


1.40
86
Ax grinda marginala
Edge girder axis
P3
65
30⁵
5
P1
10
50
Ax rost
Joint axis

Legenda betoanelor/Concrete legend

▧ Beton simplu pentru pantã
Slope plain concrete:
C 25/30–CEM II/A–S 32,5–(XF3)–A/C=0,55–Dmax.16–Cl 0,20

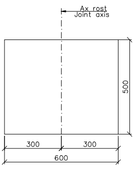
▨ Beton de protectie a hidroizolatiei:
Concrete in the protection layer of waterproofing system
C 25/30–CEM II/A–S 32,5–(XC4+XF3)–A/C=0,50–Dmax.16–Cl 0,20

▨ Beton armat în dalele tablierului
Reinforced concrete in the deck slabs
C 35/45–CEM II/A–S 32,5–(XC4+XF3+XA2)–A/C=0,50–Dmax.16–Cl 0,20

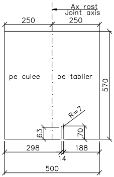
In cazul in care temperatura in timpul turnarii este scazuta, se vor folosi cimenturile cu rezistenta initiala mare, R si aditivi acceleratori, iar in cazul turnarii pe timp calduros, cimenturile cu rezistenta initiala uzuala, N si aditivi intarzietori (conf.NE 012/2–2010 si tabelului 2 din SR EN 197–1:2002)

When the temperature during the casting is low, cements with high initial resistance, R and accelerating additives shall be used and when it is cast during warm weather, cements with common initial resistance, N and delaying additives shall be used (according the norm NE 012/2–2010 and table 2 for the SR EN 197–1:2002).

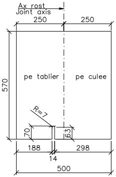
P2 scara 1:10
Pb 500x10–600
Sheet strip 500x10–600


Ax rost
Joint axis
500
300
300
600

P3 scara 1:10
Capac–otel 500x5–570
Steel lid 500x5–570


Ax rost
Joint axis
250
250
pe culee
pe tablier
570
R=7
63
70
298
188
14
500

P4 scara 1:10
Capac–otel 500x5–570
Steel lid 500x5–570


Ax rost
Joint axis
250
250
570
pe tablier
pe culee
R=7
70
63
188
298
14
500

MATERIAL METALIC PENTRU CONFECTIONAREA ROSTULUI 1 SI 2
THE METALLIC MATERIAL TO BUILD OF 1 AND 2 JOINT

Poz. Piece	Denumirea piesei	Buc.	Sectiune Section	Lung. Long. (mm)	Sectiune/Section		
					kg/ml	kg/buc	kg
P1	Platbanda Sheet–metal strip	4	500x10	8174	39.25	320.90	1285
P2	Platbanda Sheet–metal strip	8	500x10	600	39.25	23.55	185
P3	Platbanda capac Steel lid	4	500x5	570	19.38	11.05	44
P4	Platbanda capac Steel lid	4	500x5	570	19.38	11.05	44
					Total partial		1558
					Sudura 2% Welding 2%		32
					Pierderi 5% Losses 5%		80
					TOTAL kg		1700

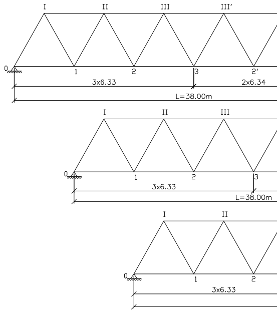
NOTA

Prezentul plan a fost intocmit conform di
EA5101C19PAPV04400021.
–Turnarea betonului din dala se va face i
spre capete.
–Turnarea dalei se va face cu tablierul m
–Gurile de scurgere se vor amplasa si fix
–Podul corespunde la convoaiele de calcu
–La executie se va respecta cu strictete
calitatii lucrarilor si receptionarea lor se v

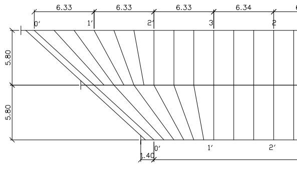
NOTE

This plan was drawn up according to the
EA5101C19PAPV04400021.
– Casting the concrete in the slab shall
middle to the ends.
– Casting the slab shall be made with th
supports.
– The discharge outflows shall be placed
– Bridge convoys calculation corresponds
– The following shall be strictly complied
and norm C56–1985 for checking the wo
acceptance.

SCHEMA GEOMETRICA A TABLIEF
GENERAL SCHEME


I
II
III
III'
0
1
2
3
2'
3x6.33
2x6.34
L=38.00m
I
II
III
0
1
2
3
3x6.33
L=38.00m
I
II
0
1
2
3x6.33

PLANUL ANTRETOAZELOR/CROSS B


6.33
6.33
6.33
6.34
0'
1'
2'
3
2
5.80
5.80
1.40
0'
1'
2'

spozitiei generale

in mod continuu pornind dela mijloc

netalic sprijinit pe rezemele definitive.
a inainte de turnarea betonului.
l UIC (LM71 si SW/2).
normativul NE 012–2010, iar verificarea
va face conform normativului C56–1985.

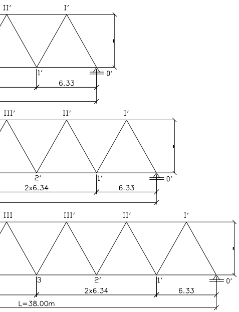
General Layout

be made continuous, starting from the

ne steel deck supported on the final

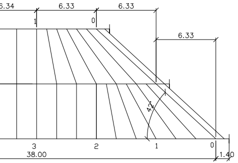
and fixed before casting the concrete.
to UIC (LM71 and SW/2).
with: norm NE 012–2010 for building
rks quality and for the works

RULUI



II'
I'
1'
6.33
0'
III'
II'
I'
2'
2x6.34
1'
6.33
0'
III
III'
II'
I'
3
2'
2x6.34
1'
6.33
0'
L=38.00m

ARS – PLAN



6.34
6.33
6.33
1
0
6.33
42°
3
2
1
0
38.00
1.40

Se interzice copierea, difuzarea, imprumutarea sau utilizarea in alte scopuri, fara permisiunea Arex Lider Company ca proprietar al desenului.
This drawing is forbidden to be copied, lent or used in other purposes than those previously approved by Arex Lider Company as its owner.

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

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

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

CLIENT / CLIENT

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 Secțiune 1 Section 1 Coordinator	C. Gambelli		
Verificat Checked	Expert Cheie Checking Expert	V.Kallidromitis		

SUBCONTRACTANT / SUBCONTRACTOR

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A. Dinulescu Stanciu	02.2012	
Întocmit Elaborated	Proiectant Designer	Campan Maria	02.2012	

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

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

Faza / Phase:
D.E. / E.D.

Denumire desen / Drawing Title : Interval Statia Albesti

POD km 277+798.279 -G.Z.C.J.C.B. D=38.00m
PLAN COFRAJ DALA
BRIDGE km 277+798.279 D=38.00m
SLAB SHUTTERING PLANE

Codificare / Codification System	Scara / Scale 1:100 1:50	LOT / LOT	Nr. / No 01 / 01

EA51 01 E 19 BB PV 04 4 3 012 0

420x2000