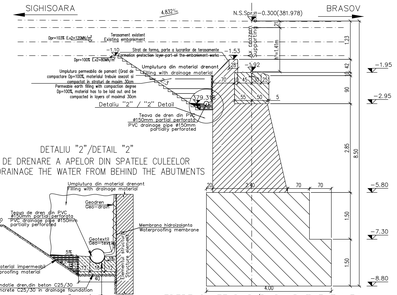
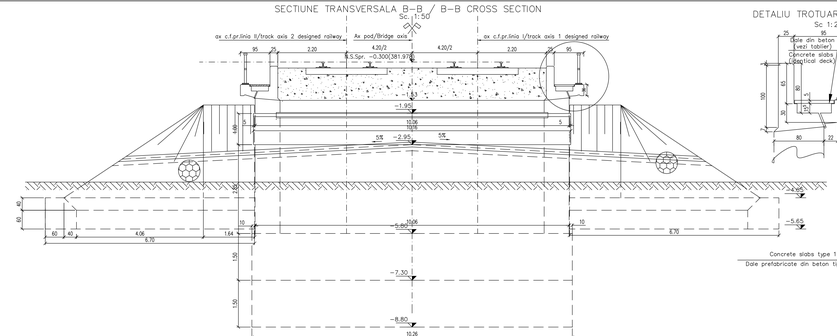
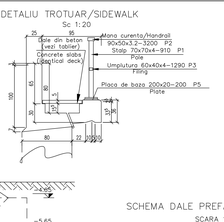
SECTIUNE TRANSVERSALA C–C/C–C CROSS SECTION
Sc. 1:50



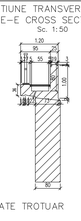
SECTIUNE TRANSVERSALA B–B / B–B CROSS SECTION
Sc. 1:50



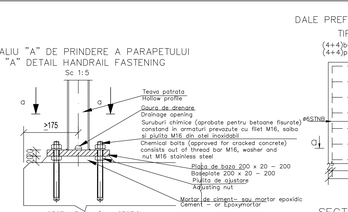
DETALIU TROTUAR/SIDEWALK
Sc. 1:20



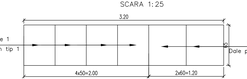
SECTIUNE TRANSVERSALA E–E
E–E CROSS SECTION
Sc. 1:50



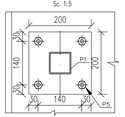
DETALIU "A" DE PRINDERE A PARAPETULUI
"A" DETAIL HANDRAIL FASTENING
Sc. 1:5



SCHEMA DALE PREFABRICATE TROTUAR
SCARA 1:25

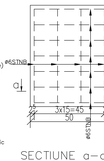


SECTIUNE a–a/a–a SECTION
Sc. 1:5



DALE PREFABRICATE DIN BETON/ CONCRETE PREFAB SLABS
TIP 1/TYPE 1 — Sc. 1:10

(4+4)buc.=8buc. pentru trotuare
(4+4)pieces=8piece for sidewalk

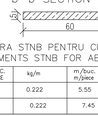


TIP 2/TYPE 2 — Sc. 1:10

2+2buc.=4 buc. pentru trotuare
2+2piece=4 piece for sidewalk

SECTIUNE a–a/
a–a SECTION
Sc. 1:5

SECTIUNE b–b/
b–b SECTION
Sc. 1:5



EXTRAS DE ARMATURA STNB PENTRU CULEE
TABLE FOR REINFORCEMENTS STNB FOR ABUTMENT

TIP/TYPE	TIP ARMATURA TYPE REINFORCEMENT	Nr. BUC. No. PIECE	kg/m	m/buc. m/piece	kg
TIP 1 TYPE 1	STNB 6 G.Q.283	8	0.222	5.55	10.00
TIP 2 TYPE 2	STNB 6 G.Q.283	4	0.222	7.45	7.00
				TOTAL	17.00kg

LEGENDA BETOANELOR/CONCRETE LIST

Beton armat in cuzinetti si in banchets cuzinetturi
Reinforced concrete in the cushions and cushions bench
C 35/45–Ciment II/A-S 52,5–(VC4+W3+VA2)–A/Cl-0,50–0,1g–S2–D 0,20

Beton armat in elevatie si in zidurile intoarse
Reinforced concrete in the elevation infrastructure and reverted walls
C 25/30–Ciment II/A-S 42,5–(VC4+W3)–A/Cl-0,50–0,1g–S2–D 0,20

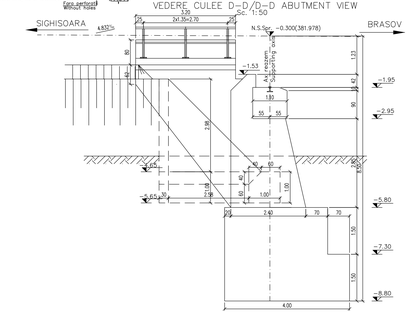
Beton simplu in fundatii:
Plain concrete in abutments foundations:
C 25/30–Ciment II/A-S 42,5–(W3)–A/Cl-0,50–0,1g–S2–D 0,20

Beton in fundatia sferturilor de con
Concrete in the protection layer of the waterproofing
C 25/30–Ciment II/A-S 32,5–(W1)–A/Cl-0,50–0,1g–S2–D 0,20

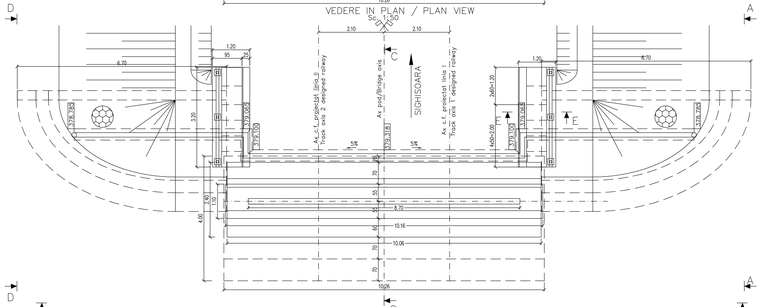
Beton in stratul de protectie al hidroizolatiei
Concrete in the protection layer of the waterproofing
C 25/30–Ciment II/A-S 32,5–(VC4+W3)–A/Cl-0,50–0,1g–S2_16–Cl 0,20

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 usuala, N si aditivi intarzietori (conf.NE 012/2-2010 si tabelului 2 de 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).

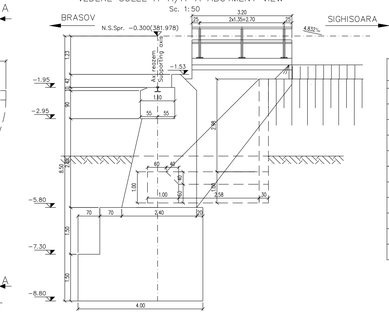
VEDERE CULEE D–D/D–D ABUTMENT VIEW
Sc. 1:50



VEDERE IN PLAN / PLAN VIEW
Sc. 1:50



VEDERE CULEE A–A/A–A ABUTMENT VIEW
Sc. 1:50



MASURATOAREA MATERIALULUI METALIC NECESAR PENTRU PARAPETUL LA CULEEA BRASOV MEASUREMENT FOR THE METALLIC MATERIAL REQUIRED FOR THE FOOT PATH FOR BRASOV ABUTMENT

Poz.	Denumire	Dimensiuni	Nr. buc. asemenea	Greutate S235		
				kg/m	kg/buc.	Total(kg)
0	1	2	3	4	5	6
P1	Teava patrata Hollow profile	70x70x4–910	6	8.29	7.54	45.26
P2	Teava dreptunghiulara Hollow profile	90x50x3.2–3200	2	6.71	21.50	43.00
P3	Teava dreptunghiulara Hollow profile	60x40x4–1290	4	5.78	7.50	30.00
P4	Teava dreptunghiulara Hollow profile	60x40x4–220	4	5.78	1.30	5.20
P5	Placa de baza Plate	200x20–200	6	31.40	6.28	37.68
	Suruburi M16 Buts M16	ø16–130	24	–	0.231	5.55
	Piulite M16 Nuts M16	–	48	–	0.031	1.50
	Saibe Rihers	–	24	–	0.011	0.30
	Total partial					168.50
	Spor 3% pt. sudura					5.50
	TOTAL (kg)					174.00

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ATENTIE/ATENTION

Aprobarea/avizarea ajustarilor de rezaem se va face inainte executarii cuzinetilor si a banchetei aparatelor, in cazul in care inaltimea ajustarilor de rezaem aprobate/avizate difera fata de cea considerata in proiect se vor modifica inaltimile pe rezaem corespunzator cu noile ajustate.
The bearing blocks shall be supplied before building the bearings and their seats. In case the height of the supplied bearing blocks differs from that given in the project, the heights on the seats shall be adjusted so as to comply with the new devices.

NOTA

1. Prezentul plan s-a intocmit in conformitate cu dispozitia generala EA5101C1I6PAPV0400020–2011.
2. Executia partilor superioare ale cuzinetilor, amplasate deasupra banchetei cuzinetilor, se va face numai dupa procurarea aparatelor de rezeam.
Nivelele superioare ale cuzinetilor se vor stabili dupa procurarea aparatelor de rezeam, in functie de inaltimile fecarui tip de aparat.
Executia partilor inferioare si a fundului de garda se va face dupa asezarea tablierului pe rezeame.
3. La executia se vor respecta cu strictete prevederile din "Cod de practica pentru producerea betonului", indicativ NE 012/1–2007 si "Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 2: Executarea lucrarilor din beton", indicativ NE 012/2–2010, iar verificarea calitatii lucrarilor la receptionarea lor se va face conform normativului CR6–1985.
4. Constructia se incadreaza in categoria B de importanta. Constructii de importanta deosebita, modelul 1 de asigurare a calitatii conform HG 766/97.
5. Podul corespunde la convoaiele de calcul LIC (LM71 si SW/2).

NOTE:

1. This plan has been drawn up according to the general disposition EA5101C1I6PAPV0400020–2011.
2. The upper parts of the bearing placed over the bearing seat shall be built only after the procurement of the bearing blocks. the upper level of the bearings shall be established after the procurement of the bearing blocks depending on the height of the each bearing block type.
The reverted walls and the guard wall shall be carried out after putting the desk on the supports.
3. The execution will strictly comply with the provisions of "Practice code for concrete production NE 012/1–2007 and "Practice code for the concrete production and works execution, reinforced and pre–stressed concrete – Part 2: The execution of concrete works," NE 012/2–2010, and the quality and the reception of the works shall be made accordingly to norm C 56–1985.
4. the construction is classified in the B category of importance. Special importance constructions, model 1 for quality ensuring according to HG 766/97.
5. Bridge convoys calculation corresponds to UIC (LM71 and SW/2).

Indice Index	Data Date	Modificare/Revizuire Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR
C					
B					
A	12.2011	Revizia 1 a Bavalelor, Modificare	Dinu Andreea		

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANTAT DE UNIUNEA EUROPEANA
EUROPEAN UNION FINANCED PROJECT

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

CLIENT / CLIENT

ITALFERR Grandi Stazioni S.p.A. Joint Venture leader | Società Metropolitane | OBERMEYER PLANEN + BERATEN GMBH | TECNIC Consulting Engineers

CONSULTANT / CONSULTANT

			Data Date	Semnătura Signature
Aprobat Approved	Director proiect Project manager	R. Liuzza		
Aprobat Approved	Coordonator Sectiune 1 Section 1 Coordinator	C. Gamberi		
Verificat Checked	Expert Verificator Checking Expert	V. Kalliontzis		

SUBCONTRACTANT / SUBCONTRACTOR AREX

Aprobat Approved	Responsabil Departamentul Subconsultanti Responsible	A.Stanciu - Dinulescu	11.2011	
Întocmit Elaborated	Proiectant Designer	Dinu Andreea	11.2011	

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componenta a coridorului IV Pan European, pentru circulatia trenurilor cu viteza maxima 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 ARCATA - VANATORI

POD / BRIDGE Km 267+963.152 D=12.00m+35.00m+12.00m

PLAN COFRAJ CULEE SIGHISOARA/SIGHISOARA ABUTMENT FORMWORK PLAN

Codificare / Codification System	Scara / Scale 1:100;1:50;1:20	LOT / LOT	Nr. / No. 01/05
EA5 1 01 E 16 BB PV 04 0 2 005 1			