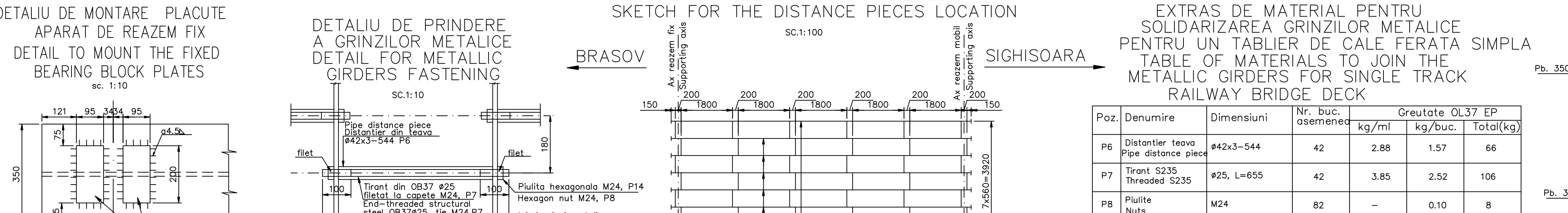
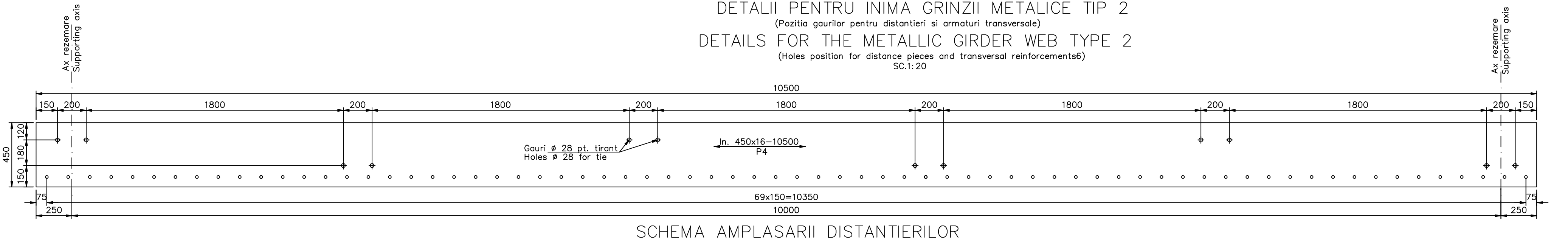
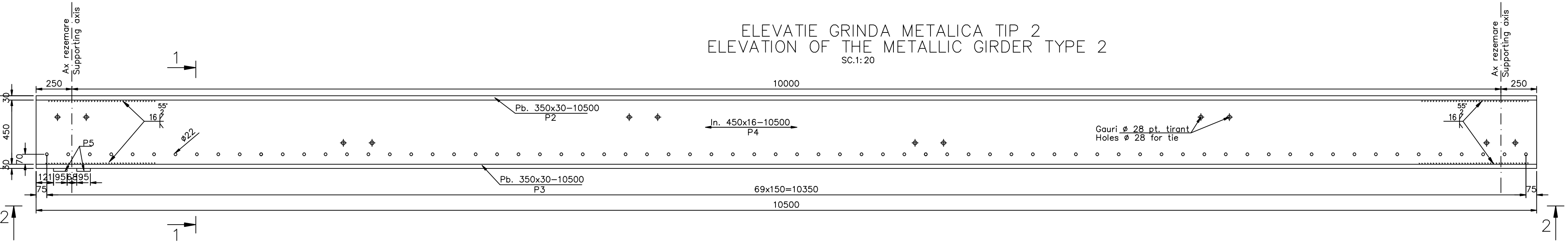


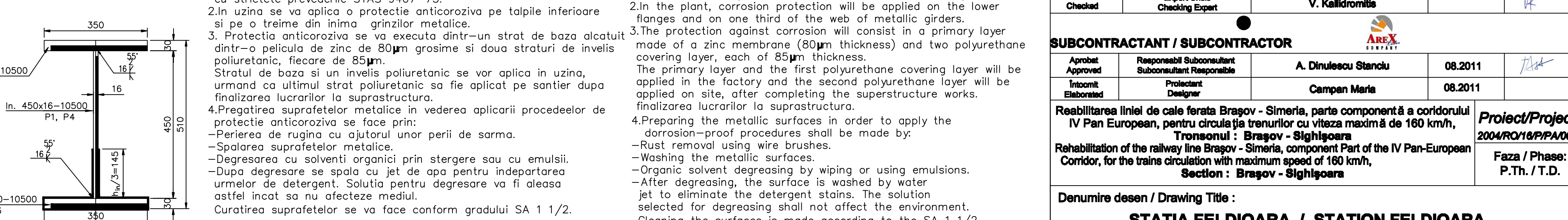
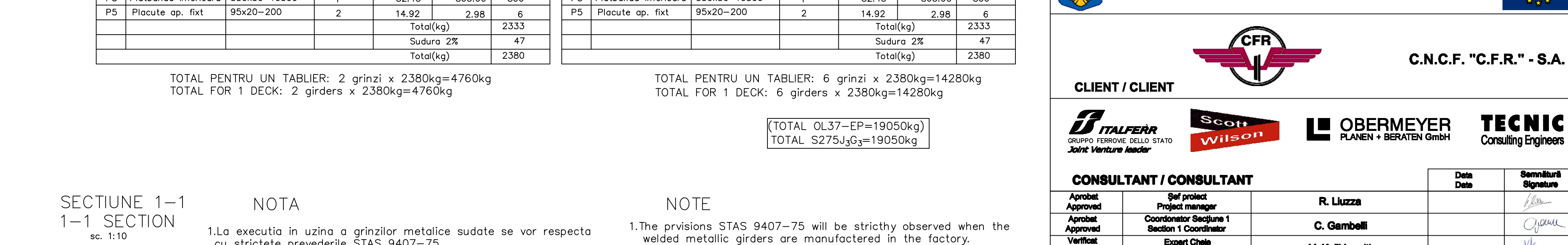
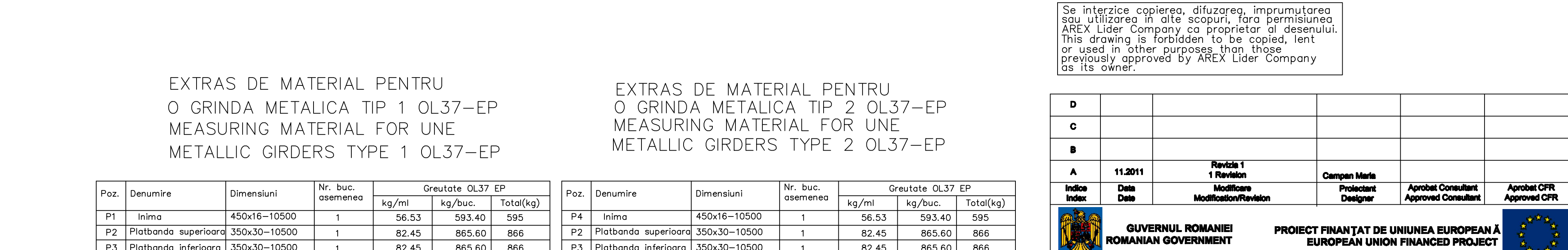
NOTA/NOTE
 Placute de la aparatele de reazem se vor sastruna cu un unghi de 60°. Gaurile din inima pentru armatura de rezistenta vor fi alezate.
 The plates of the bearing blocks will be chamfered at an angle of 60°. The web holes for the strong reinforcements will be bored.

ELEMENTE DE ASAMBLARE
 -Nut M24 STAS 4971-88 Clasa de precizie "C"
 -Saiba STAS 5200/4-91-24-OL 34



ASSEMBLY ELEMENTS
 -Nut M24 STAS 4971-Precision class "C"
 -Washer STAS 5200/4-91-24-OL 34

Axis of the metallic girders webs type 1
 Axis of the metallic girders webs type 2



MATERIALE
 (- OL37 EP STAS 12187-88 elementele grinziilor metalice.)
 - S275J3G3 EN 10025/2004

Axis of the metallic girders webs type 1
 Axis of the metallic girders webs type 2

EXTRAS DE MATERIAL PENTRU O GRINDA METALICA TIP 1 OL37-EP MEASURING MATERIAL FOR UNE METALLIC GIRDERS TYPE 1 OL37-EP

Poz.	Denumire	Dimensiuni	Nr. buc. asemenea	Greutate OL37 EP		
				kg/ml	kg/buc.	Total(kg)
P1	Inima	450x16-10500	1	56.53	593.40	595
P2	Platbanda superioara	350x30-10500	1	82.45	865.60	866
P3	Platbanda inferioara	350x30-10500	1	82.45	865.60	866
P5	Placute ap. fixt	95x20-200	2	14.92	2.98	6
				Total(kg)		2333
				Sudura 2%		47
				Total(kg)		2380

TOTAL PENTRU UN TABLIER: 2 grinzi x 2380kg=4760kg
 TOTAL FOR 1 DECK: 2 girders x 2380kg=4760kg

EXTRAS DE MATERIAL PENTRU O GRINDA METALICA TIP 2 OL37-EP MEASURING MATERIAL FOR UNE METALLIC GIRDERS TYPE 2 OL37-EP

Poz.	Denumire	Dimensiuni	Nr. buc. asemenea	Greutate OL37 EP		
				kg/ml	kg/buc.	Total(kg)
P4	Inima	450x16-10500	1	56.53	593.40	595
P2	Platbanda superioara	350x30-10500	1	82.45	865.60	866
P3	Platbanda inferioara	350x30-10500	1	82.45	865.60	866
P5	Placute ap. fixt	95x20-200	2	14.92	2.98	6
				Total(kg)		2333
				Sudura 2%		47
				Total(kg)		2380

TOTAL PENTRU UN TABLIER: 6 grinzi x 2380kg=14280kg
 TOTAL FOR 1 DECK: 6 girders x 2380kg=14280kg

(TOTAL OL37-EP=19050kg)
 TOTAL S275J3G3=19050kg

NOTA
 1. La executia in uzina a grinziilor metalice sudate se vor respecta cu strictete prevederile STAS 9407-75.
 2. In uzina se va aplica o protectie anticoroziva pe tapile inferioare si pe o treime din inima grinziilor metalice.
 3. Protectia anticoroziva se va executa dintr-un strat de baza alcatuit dintr-o pelicula de zinc de 80µm grosime si doua straturi de invelis poliuretanic, fiecare de 85µm.
 4. Pregatirea suprafetelor metalice in vederea aplicarii procedurilor de protectie anticoroziva se face prin:
 -Perierea de rugina cu ajutorul unor perii de sarma.
 -Spalarea suprafetelor metalice.
 -Degresarea cu solventi organici prin stergere sau cu emulsii.
 -Dupa degresare se spala cu jet de apa pentru indepartarea urmelor de detergent. Solutia pentru degresare va fi aleasa astfel incat sa nu afecteze mediul.
 Curatirea suprafetelor se va face conform gradului SA 1 1/2.

NOTE
 1. The provisions STAS 9407-75 will be strictly observed when the welded metallic girders are manufactured in the factory.
 2. In the plant, corrosion protection will be applied on the lower flanges and on one third of the web of metallic girders.
 3. The protection against corrosion will consist in a primary layer made of a zinc membrane (80µm thickness) and two polyurethane covering layer, each of 85µm thickness.
 The primary layer and the first polyurethane covering layer will be applied in the factory and the second polyurethane layer will be applied on site, after completing the superstructure works, finalizarea lucrarilor la suprastructura.
 4. Preparing the metallic surfaces in order to apply the corrosion-proof procedures shall be made by:
 -Rust removal using wire brushes.
 -Washing the metallic surfaces.
 -Organic solvent degreasing by wiping or using emulsions.
 -After degreasing, the surface is washed by water jet to eliminate the detergent stains. The solution selected for degreasing shall not affect the environment. Cleaning the surfaces is made according to the SA 1 1/2.

EXTRAS DE MATERIAL PENTRU SOLIDARIZAREA GRINZILOR METALICE PENTRU UN TABLIER DE CALE FERATA SIMPLA TABLE OF MATERIALS TO JOIN THE METALLIC GIRDERS FOR SINGLE TRACK RAILWAY BRIDGE DECK

Poz.	Denumire	Dimensiuni	Nr. buc. asemenea	Greutate OL37 EP		
				kg/ml	kg/buc.	Total(kg)
P6	Distanțier teava Pipe distance piece	ø42x3-544	42	2.88	1.57	66
P7	Tirant S235 Threaded S235	ø25, L=655	42	3.85	2.52	106
P8	Pluile Nuts	M24	82	-	0.10	8
P9	Saibe Washers	M24	82	-	0.023	2
				Total(kg)		190

ASSEMBLY ELEMENTS
 -Nut M24 STAS 4971-Precision class "C"
 -Washer STAS 5200/4-91-24-OL 34

Axis of the metallic girders webs type 1
 Axis of the metallic girders webs type 2

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D				
C				
B				
A	11.2011	Revizua 1 1 Revision	Campan Maria	
Indice	Date	Modificari Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant
				Aprobat CFR Approved CFR



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



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Checked	Checking Expert		V. Kallidromitis

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Aprobat	Responsabil Subcontractant		
Approved	Subcontractant Responsible		A. Dinulescu Stanolu
Elaborat	Proiectant		
Elaborated	Designer		Campan Maria

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația trenurilor cu viteza maximă de 160 km/h, Transonul : Brasov - Sighişoara
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 - Sighişoara

Denumire desen / Drawing Title :
STATIA FELDIOARA / STATION FELDIOARA
 POD Km.192+526.157 L=10.00m/GRINZI METALICE-TABLIER 1
 BRIDGE Km.192+526.157 L=10.00m/METALLIC GIRDERS-DECK 1

Codificare / Codification System	Scara / Scale	LOT / LOT	Nr. / No
E A 5 1	1:20; 1:10; 1:100		01 / 01