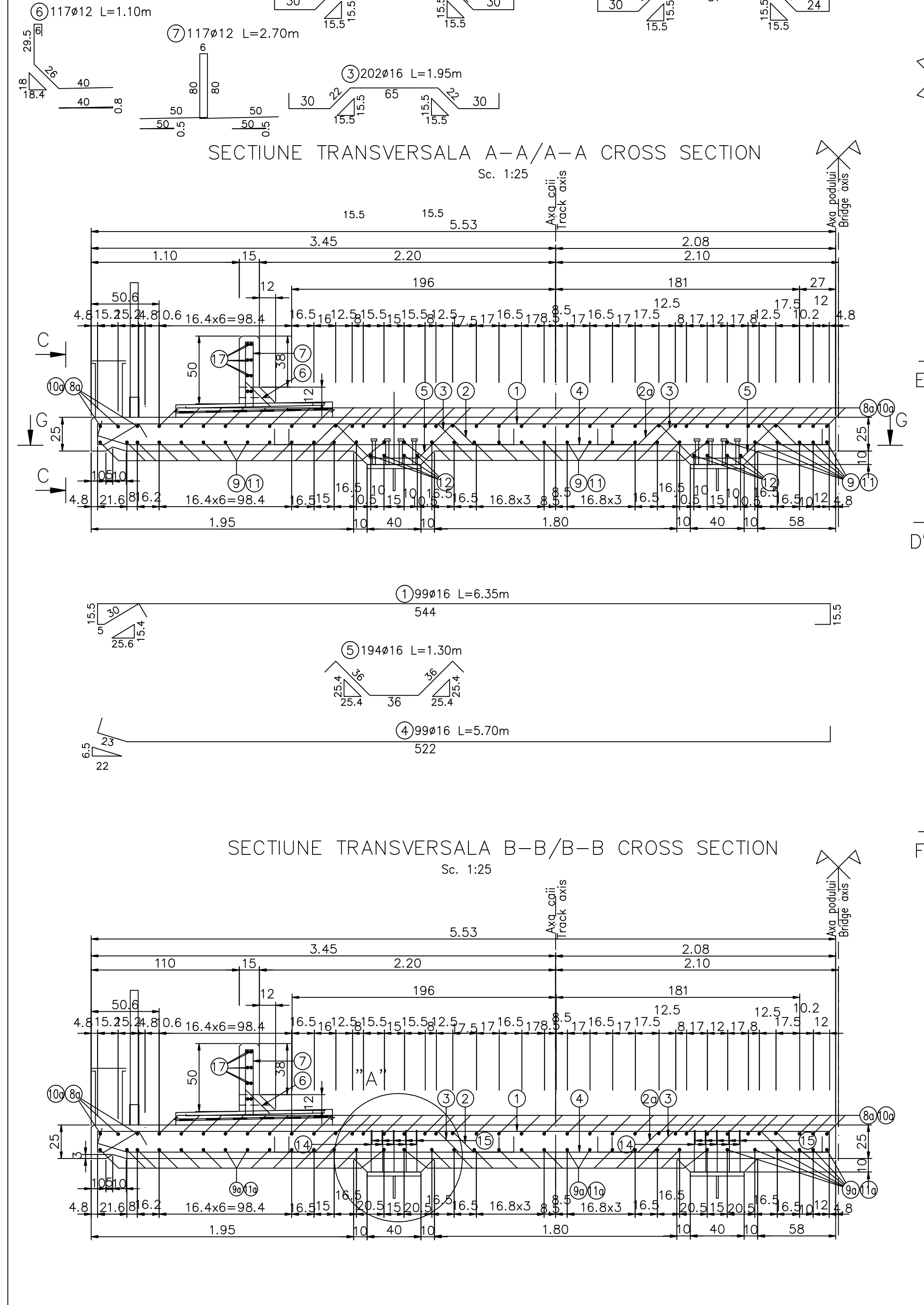
SECTIUNE TRANSVERSALA A-A/A-A CROSS SECTION

Sc. 1:25

SECTIUNE TRANSVERSALA B-B/B-B CROSS SECTION

Sc. 1:25

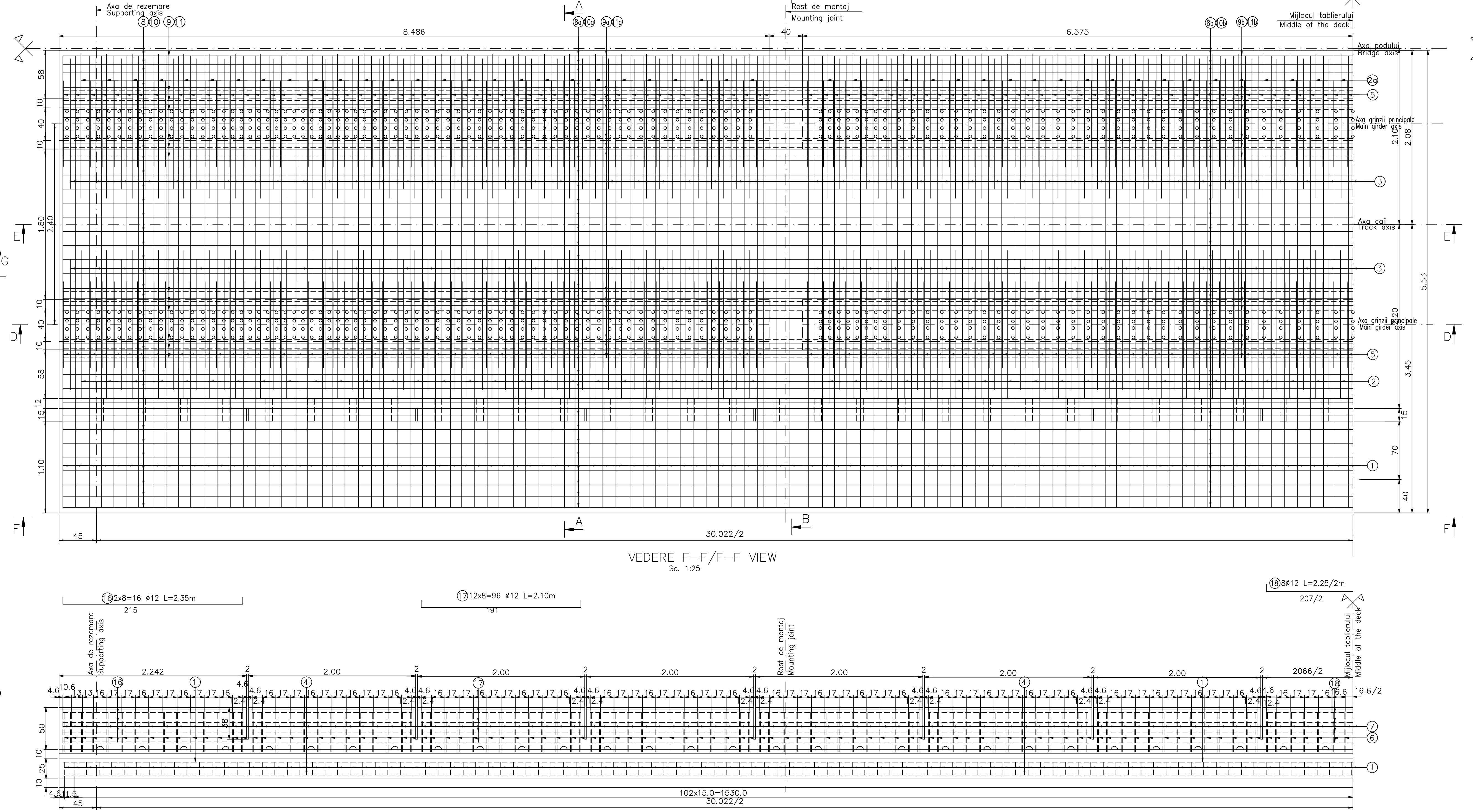


VEDERE IN PLAN C-C/C-C PLAN VIEW

Sc. 1:25

VEDERE F-F/F-F VIEW

Sc. 1:25

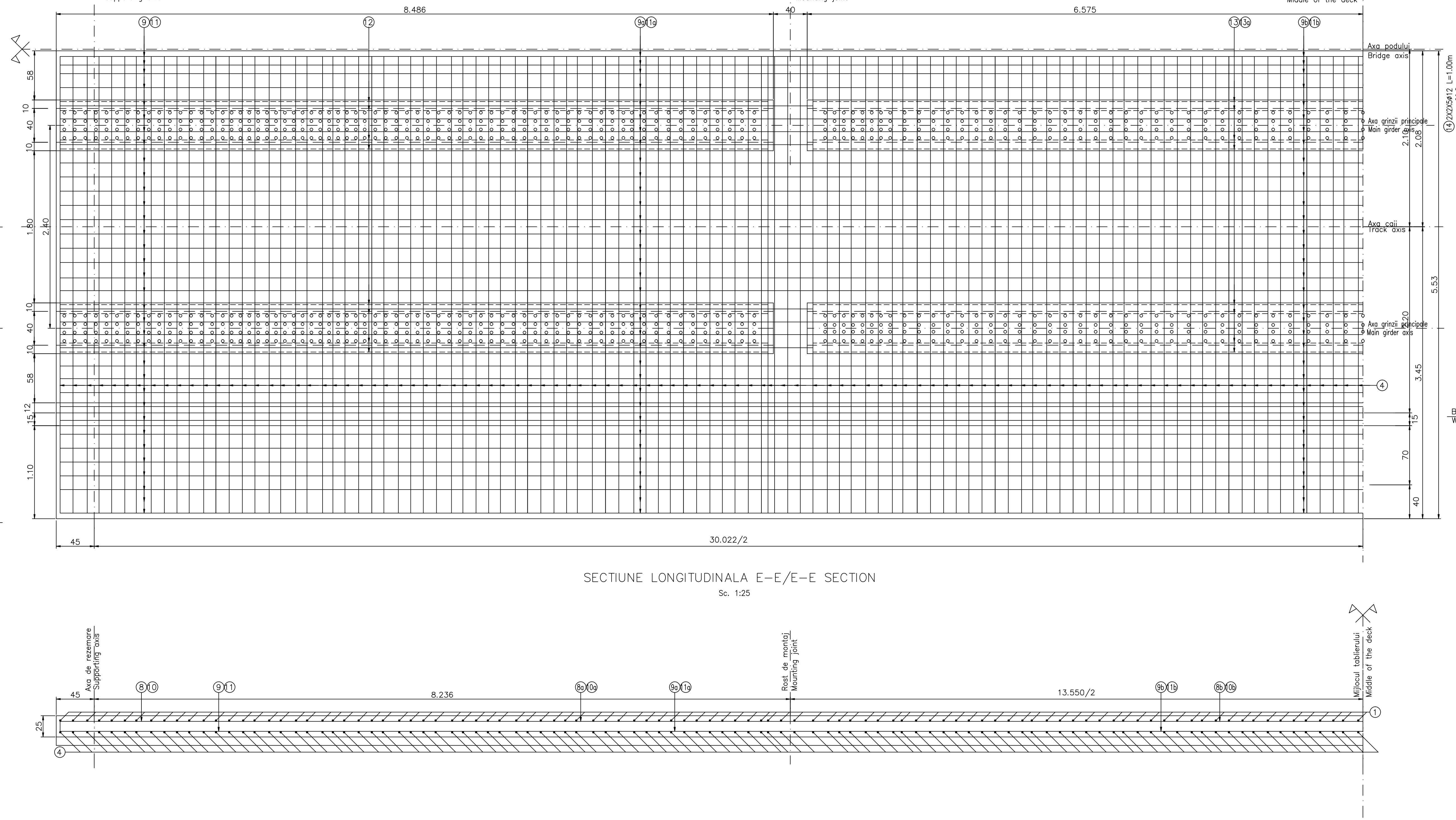


SECTIUNE G-G/G-G SECTION

Sc. 1:25

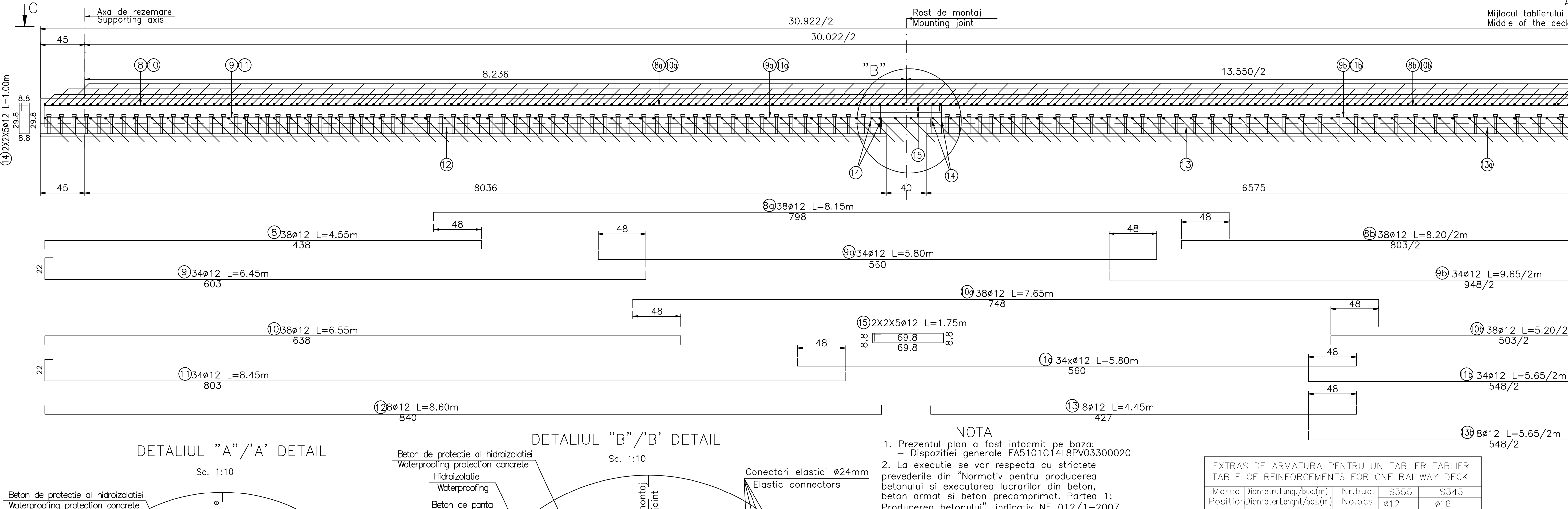
SECTIUNE LONGITUDINALA E-E/E-E SECTION

Sc. 1:25



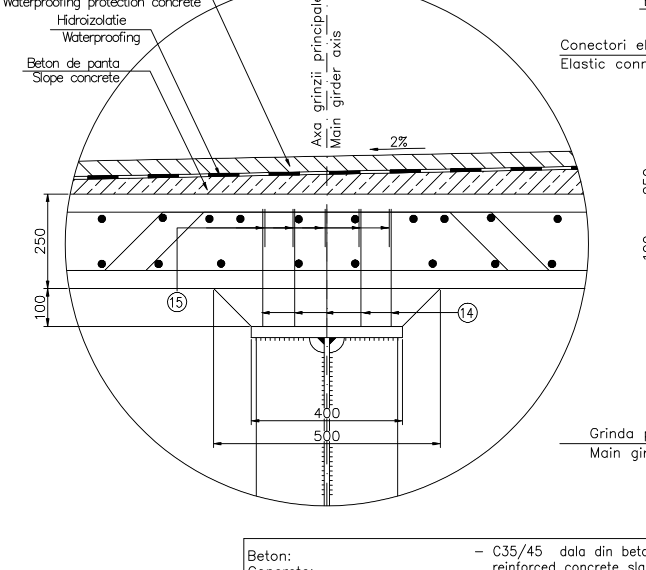
SECTIUNE LONGITUDINALA D-D/D-D SECTION

Sc. 1:25



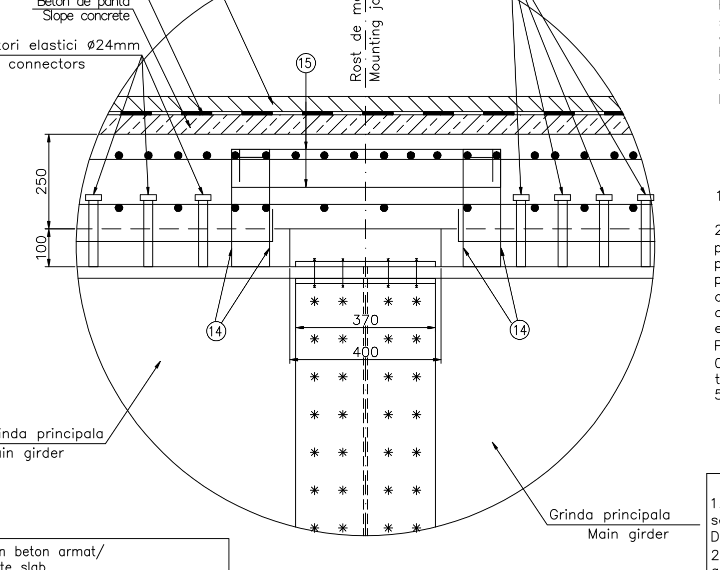
DETALIUL "A"/'A' DETAIL

Sc. 1:10



DETALIUL "B"/'B' DETAIL

Sc. 1:10



Beton: Concrete:	– C35/45 dala din beton armat/ reinforced concrete slab
Armatura: Reinforcement:	– PC52 (STAS 438/1-89); S355, S345
Strat de acoperire: Concrete cover	– min. 4cm expunere in aer/min. 4cm air exposed
Clasa de incarcare: Load class:	– convoiul UIC(LM71 si SW/0), P10 (STAS 3220-89)
Cofraj: Formwork:	– Metal sau lemn/Steel or wood

NOTA

1. Prezentul plan a fost intocmit pe baza:
   – Dispozitiei generale EA5101C14L8PV03300020
2. La executie se vor respecta cu strictete prevederile din "Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 1: 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 si receptionarea lor se va face conform normativului C56-1985.

NOTE

1. This Plan was drawn up based on the following data:
   – General Layout EA5101C14L8PV03300020
2. The execution will strictly comply with the provisions of "Practice code for the concrete production and works execution, reinforced and pre-stressed concrete – Part 1: 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.

IMPORTANT

1. Pentru mentinerea pozitiei corecte in timpul betonarii, se vor monta distantieri minim 4buc./m^2. Distantierii trebuie legati cu sarma de carcasa de armatura.
2. Barele marca 6 si 7 se vor ancora in betonul de protectie al hidroizolatiei.

IMPORTANT

1. In order to maintain the correct position during concreting, minimum 4pcs./m^2 distance pieces shall be mounted. The distance pieces shall be connected to the reinforcing framework, using wire.
2. Armature steel position 6 and 7 shall be anchor in the waterfroofing protection concrete.

EXTRAS DE ARMATURA PENTRU UN TABLIER TABLIER
TABLE OF REINFORCEMENTS FOR ONE RAILWAY DECK

Marca Position	Diametru Diameter	Lung./buc.(m) Lenght/pcs.(m)	Nr.buc. No.pcs.	S355 ø12	S345 ø16
1	16	6.35	202		1282.70
2	16	2.15	96		206.40
2a	16	2.10	96		201.60
3	16	1.95	196		383.20
4	16	5.70	202		1151.40
5	16	1.30	198		257.40
6	12	1.10	201	221.10	
7	12	2.70	201	542.70	
8	12	4.55	38	172.90	
8a	12	8.15	38	309.70	
8b	12	8.20	38	311.60	
9	12	6.45	34	219.30	
9a	12	5.80	34	197.20	
9b	12	9.65	34	328.10	
10	12	6.55	38	248.90	
10a	12	7.65	38	290.70	
10b	12	5.65	38	214.70	
11	12	8.45	34	287.30	
11a	12	5.80	34	197.20	
11b	12	2.90	34	98.60	
12	12	8.60	8	68.80	
13	12	4.45	8	35.60	
13a	12	5.65	8	45.20	
14	12	1.00	20	20.00	
15	12	1.75	20	35.00	
16	12	2.35	12	28.20	
17	12	2.10	72	151.20	
18	12	2.25	6	13.50	
Lungimi totale pe diametre/Lenght/Diameter (m)				4037.50	3482.70
Masa pe metru / Weight/meter (kg/m)				0.888	1.578
Masa pe diametre / Weight/Diameter (kg)				3585.30	5495.70
Masa pe tip otel / Weight/Steel Type (kg)				3585.30	5495.70
Masa totala tablier / Total Weight (kg)				9081.00	
Pierderi 5% / Steel Loss 5% (kg)				469.00	
Masa totala pentru un tablier / Total Weight for one deck (kg)				9550.00	

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

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

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A. Dinulescu Stanciu	02.2012	
Întocmit Elaborated	Proiectant Designer	Valentin Florea	02.2012	

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

Rehabilitation of the railway line Braşov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h, Section : Braşov - Sighişoara

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

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

Denumire desen / Drawing Title :

INTERVAL / SECTION CATA - ARCHITA
VIADUCT KM 254+449.803
PLAN ARMARE DALA DE BETON TABLIER D=30m / SLAB REINFORCEMENT DECK D=30m

Codificare / Codification System	Scara / Scale 1:25	LOT / LOT	Nr. / No 01 / 01

EA51 01 C 14 BC PV 03 3 3 014 0

420x2500