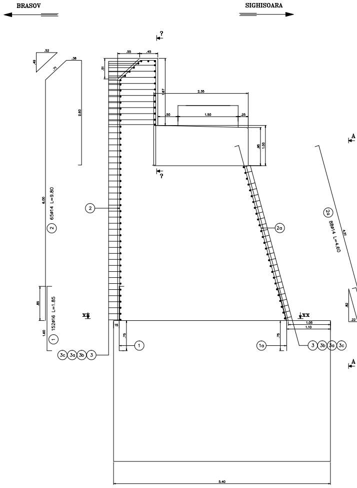
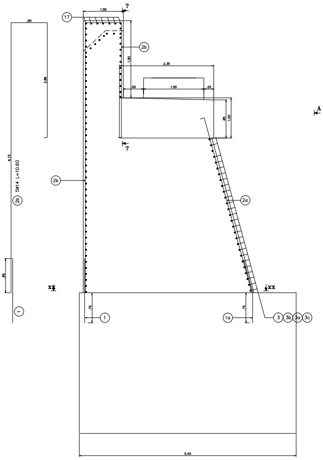
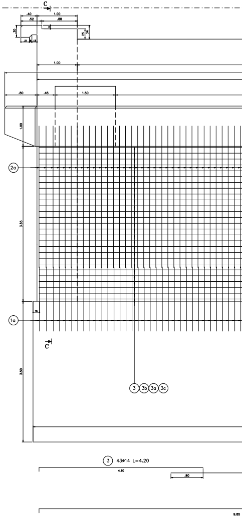
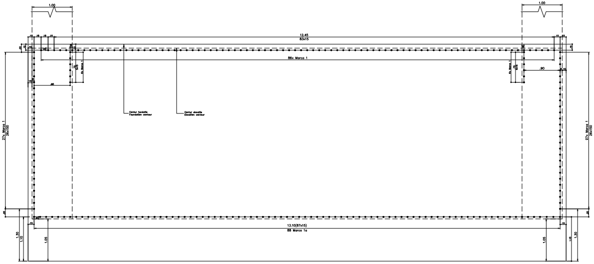
SECTIUNE B-B / B-B SECTION


BRASOV
SIGHISOARA
② 65Ø14 L=9.80
① 152Ø16 L=1.85
(2a) 88Ø14 L=4.60
(1a) 88Ø16 L=1.85
②
(2a)
①
(1a)
③ (3b) (3a) (3c)
(3c) (3a) (3b) ③
A
XX
2.35
.50
1.50
.25
.55
.45
1.67
.95
1.00
1.05
1.10
.75
5.40

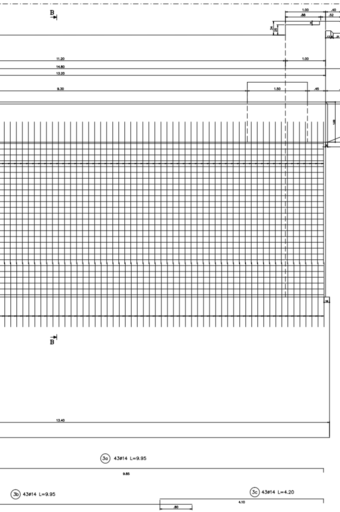
SECTIUNE C-C / C-C SECTION


(17)
(2b)
(2b) 5Ø14 L=10.60
(2a)
①
(1a)
③ (3b) (3a) (3c)
A
XX
1.00
.90
2.86
6.72
1.92
2.35
.50
1.50
.25
.95
1.00
.85
.75
5.40

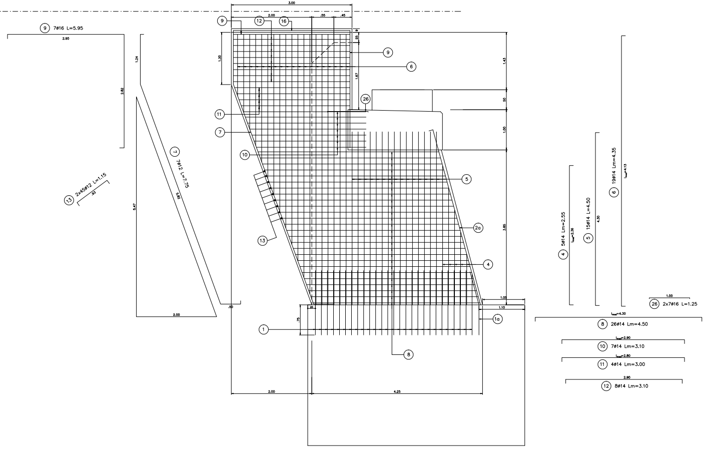

C
.40
1.00
.52
.88
.30
.25
.34
1.00
.80
.45
1.50
1.00
3.85
3.50
(2a)
(1a)
③ (3b) (3a) (3c)
③ 43Ø14 L=4.20
4.10
.80
9.85


1.00
1.00
12.45
83x15
86x Marca 1
6x Marca 1
.90
Contur fundatie
Foundation contour
Contur elevatie
Elevation contour
27x Marca 1
26x150
13.10(87x15)
88 Marca 1a
1.30
1.10
1.05

ELEVATIE A-A / A-A ELEVATION

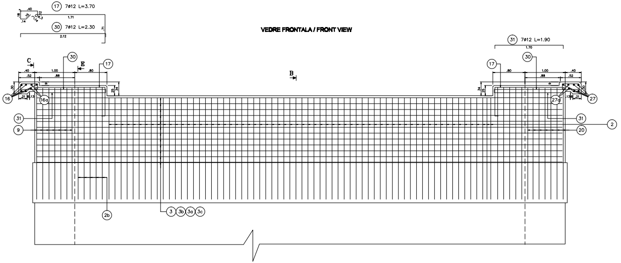


B
1.00
.40
.88
.52
11.20
1.00
14.80
13.20
9.30
1.50
.45
.80
.75
13.40
B
(3a) 43ø14 L=9.95
9.85
(3b) 43ø14 L=9.95
(3c) 43ø14 L=4.20
4.10
.80



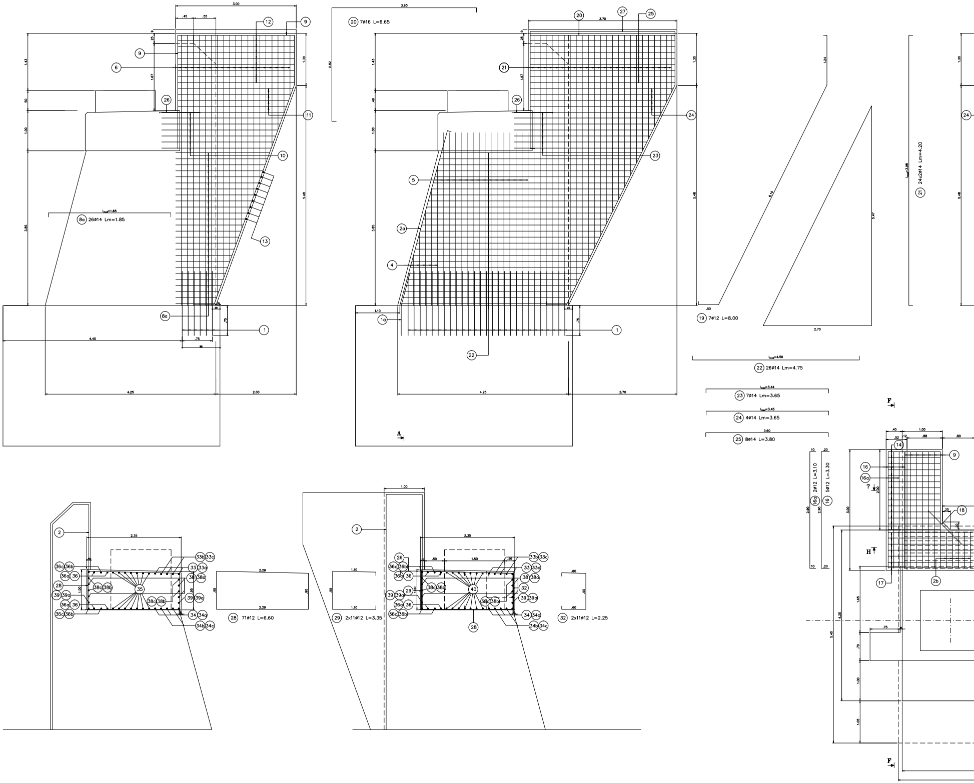
(9) 7ø16 L=5.95
2.90
2.82
1.24
(7) 7ø12 L=7.75
5.82
5.47
2.00
(13) 2x45ø12 L=1.15
3.00
2.00
.55
.45
(9)
(12)
(16)
(6)
(26)
(11)
(7)
(10)
(5)
(13)
(2a)
(4)
(1)
(1a)
(8)
1.30
1.43
1.67
.50
1.00
3.85
.75
1.05
1.10
2.00
4.25
(4) 5ø14 Lm=2.55
(5) 15ø14 Lm=4.50
4.30
(6) 19ø14 Lm=4.35
1.00
(26) 2x7ø16 L=1.25
(8) 26ø14 Lm=4.50
(10) 7ø14 Lm=3.10
(11) 4ø14 Lm=3.00
2.90
(12) 8ø14 Lm=3.10

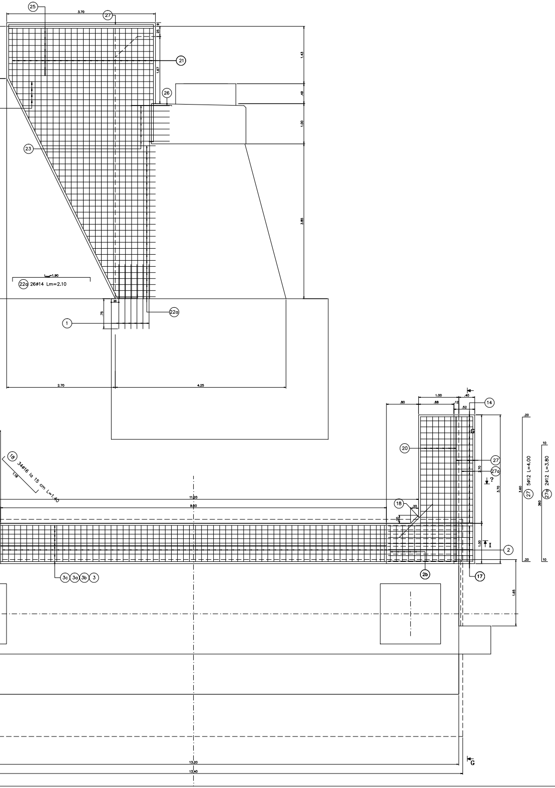
VEDRE FRONTALA / FRONT VIEW

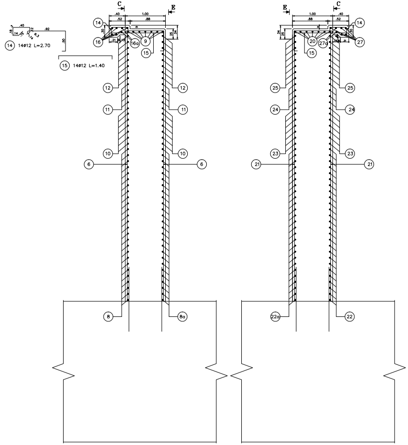


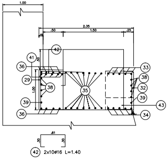
(17) 7ø12 L=3.70
1.71
(30) 7ø12 L=2.30
2.12
(31) 7ø12 L=1.90
1.70
C
E
B
.40
.52
1.00
.88
.80
(30)
(17)
(16)
(16a)
(31)
(9)
(27a)
(27)
(2)
(20)
(2b)
(3) (3b) (3a) (3c)

ARMARE ZIDURI INTOARSE

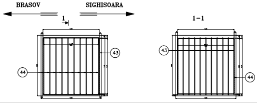

3.00
.45
.55
9
12
6
26
11
10
13
1.43
1.67
.50
1.00
3.85
5.48
1.30
8a 26ø14 Lm=1.85
8a
1
4.45
.75
4.25
2.00
3.60
20 7ø16 L=6.65
2.82
20
27
25
3.70
21
24
23
5
2a
4
1a
22
1.10
2.70
1.24
6.10
5.47
.50
19 7ø12 L=8.00
22 26ø14 Lm=4.75
23 7ø14 Lm=3.65
24 4ø14 Lm=3.65
3.60
25 8ø14 L=3.80
21 24x2ø14 Lm=4.20
A
F
16a 2ø12 L=3.10
16 5ø12 L=3.30
2.90
14
16
16a
9
18
17
2b
H
?
5.40
4.25
1.05
2
2.35
33b 33c
33 33a
38 38a
39 39a
34 34a
34b 34c
35
36 36a 36b 36c
38b 38c
28
29
2.29
.90
.95
28 71ø12 L=6.60
1.10
29 2x11ø12 L=3.35
1.00
1.50
40
32
.60
32 2x11ø12 L=2.25


25
3.70
27
21
26
23
22a 26ø14 Lm=2.10
22a
1
2.70
4.25
1.43
.49
1.00
3.85
.75
1.00
.40
.80
.88
.52
14
20
27
27a
27 5ø12 L=4.00
27a 2ø12 L=3.80
18 34ø16 la 15 cm L=1.40
18
11.20
9.80
2
2b
17
3c 3a 3b 3
1.65
13.20
13.40
G
I

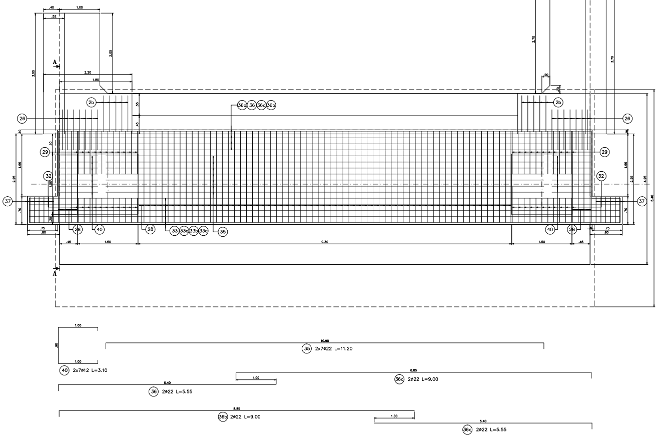

C
E
1.00
.40
.52
.88
14
16
16a
9
15
14 14ø12 L=2.70
15 14ø12 L=1.40
12
11
10
6
8
8a
20
27a
27
25
24
23
21
22a
22


1.00
2.35
.50
1.50
.25
42
41
36
29
38
35
39
33
38
32
39
43
34
42 2x10ø16 L=1.40

SCHEMA DE CONFECTIONARE A CARCASEI DIN ETRIERI PENTRU ARMAREA CUZINETILOR

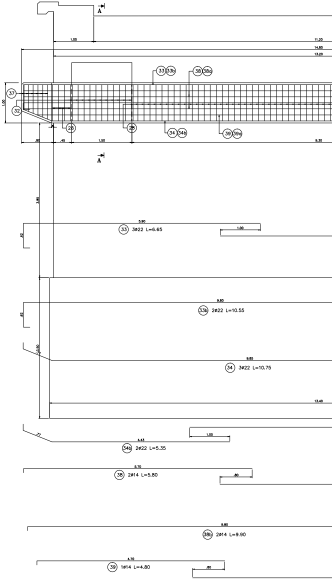

BRASOV
SIGHISOARA
1
1-1
43
44

PLAN



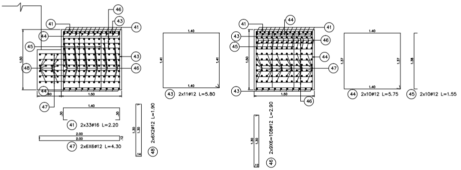
26
29
32
37
28
40
2b
36a 36 36c 36b
33 33a 33b 33c
35
.40
1.00
.52
3.00
2.00
2.20
1.80
2.70
3.70
.20
.55
.45
1.55
2.25
.70
.75
.80
1.50
9.30
4.25
5.40
A
.90
10.90
2x7ø22 L=11.20
2x7ø12 L=3.10
8.85
2ø22 L=9.00
5.40
2ø22 L=5.55

ARMARE BANCHETA CUZINETILOR

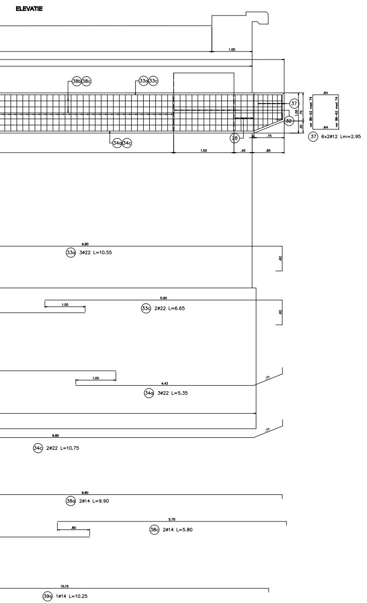


A
1.00
11.20
14.80
13.20
33 33b
38 38a
37
32
28
34 34b
39 39a
.80
.45
1.50
9.30
3.85
5.90
33 3ø22 L=6.65
.62
9.80
33b 2ø22 L=10.55
3.50
9.85
34 3ø22 L=10.75
13.40
.77
4.43
34b 2ø22 L=5.35
5.70
38 2ø14 L=5.80
38b 2ø14 L=9.90
4.70
39 1ø14 L=4.80

ARMARE CUZINETI



41
42
43
44
45
46
47
48
1.40
1.41
1.50
1.37
1.38
.60
43 2x11ø12 L=5.80
44 2x10ø12 L=5.75
45 2x10ø12 L=1.55
41 2x33ø16 L=2.20
.30
2.00
.12
47 2x6X6ø12 L=4.30
1.30
.14
48 2x6X2ø12 L=1.90
46 2x9X6=108ø12 L=2.90


ELEVATIE
1.00
38b 38c
33a 33c
37
32
28
34a 34c
.64
var 86–62 med 74
var 86–62 med 74
1.00
.70
.30
.64
.75
1.50
.45
.80
37 6x2ø12 Lm=2.95
9.80
33a 3ø22 L=10.55
.62
5.90
1.00
33c 2ø22 L=6.65
.62
1.00
4.43
.17
34a 3ø22 L=5.35
9.85
.17
34c 2ø22 L=10.75
9.80
38a 2ø14 L=9.90
5.70
.80
38c 2ø14 L=5.80
10.15
39a 1ø14 L=10.25

EXTRAS DE ARMATURA PENTRU CULEEA BRASOV

MARCA	DIAM	NR BUC		LUNG/ BUC	LUNGIMI PE DIAMETRE (PC 52)			
					D=12	D=14	D=16	D=22
1	16	152		1.85			281.20	
1a	16	88		1.85			162.80	
2	14	65		9.80		637.00		
2a	14	88		4.60		404.80		
2b	14	10		10.86		108.60		
3	14	43		4.20		180.60		
3a	14	43		9.95		427.85		
3b	14	43		9.95		427.85		
3c	14	43		4.20		180.60		
4	14	10	Lm	2.85		28.50		
5	14	28		4.60		128.80		
6	14	38	Lm	4.35		165.30		
7	12	7		7.75	54.25			
8	14	26	Lm	4.50		117.00		
8a	14	26	Lm	1.85		48.10		
9	16	7		5.95			41.65	
10	14	14	Lm	3.10		43.40		
11	14	8	Lm	3.00		24.00		
12	14	16		3.10		49.60		
13	12	90		1.15	103.50			
14	12	33		2.70	89.10			
15	12	33		1.40	46.20			
16	12	5		3.30	16.50			
16a	12	2		3.10	6.20			
17	12	14		3.70	51.80			
18	16	68		1.40			95.20	
19	12	7		8.00	56.00			
20	16	7		6.65			46.55	
21	14	48	Lm	4.20		201.60		
22	14	26	Lm	4.75		123.50		
22a	14	26	Lm	2.10		54.60		
23	14	14	Lm	3.65		51.10		
24	14	8	Lm	3.65		29.20		
25	14	16		3.80		60.80		
26	16	14		1.25			17.50	
27	12	5		4.00	20.00			
27a	12	2		3.50	7.00			
28	12	71		6.60	468.60			
29	12	22		3.35	73.70			
30	14	14		2.30		32.20		
31	12	14		1.80	25.20			
32	12	22		2.25	49.50			
33	22	3		6.65				19.95
33a	22	3		10.55				31.65
33b	22	2		10.55				21.10
33c	22	2		6.65				13.30
34	22	3		10.75				32.25
34a	22	3		5.35				16.05
34b	22	2		5.35				10.70
34c	22	2		10.75				21.50
35	22	14		11.20				156.80
36	22	2		5.55				11.10
36a	22	2		9.00				18.00
36b	22	2		9.00				18.00
36c	22	2		5.55				11.10
37	12	12	Lm	2.95	35.40			
38	14	2		5.80		11.60		
38a	14	2		9.90		19.80		
38b	14	2		9.90		19.80		
38c	14	2		5.80		11.60		
39	14	1		4.80		4.80		
39a	14	1		10.25		10.25		
40	12	14		3.10	43.40			
41	16	66		2.20			145.20	
42	16	20		1.40			28.00	
43	12	22		5.80	127.60			
44	12	20		5.75	115.00			
45	12	20		1.55	31.00			
46	12	108		2.90	313.20			
47	12	72		4.30	309.60			
48	12	24		1.90	45.60			
LUNGIMI PE DIAMETRE					2059.75	3555.45	819.10	381.55
GREUTATE UNITARA					0.9	1.2	1.6	3.0
GREUTATE PE DIAMETRE					1853.70	4266.57	1290.95	1139.01
GREUTATE PE TIP DE OTEL					8541.25			
PIERDERI					432.06			
GREUTATE TOTALA (Kg)					8973			

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

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANTAT DE UNIUNEA EURO
EUROPEAN UNION FINANCED PR

CLIENT / CLIENT

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

GRUPPO FERROVIE DELLO STATO

OBERMEYER

TECNIC
Consulting Engineers

CONSULTANT / CONSULTANT

			Data Date	Semnatura Signature
Aprobat Approved	Sef proiect Project manager	R. Lucas		
Aprobat Approved	Coordonator Sectiunea 1 Section 1 Coordinator	C. Gerbeli		
Verificat Checked	Expert Drumuri Checking Expert	V.Kalivoonlis		

SUBCONTRACTANT / SUBCONTRACTOR

AREX

Aprobat Approved	Responsabil Subcontractant Subcontractor Responsible	A. Diraboanu Stanciu	06.2012	
Proiectat Elaborated	Proiectant Designer	Stitiu Vasile	06.2012	

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.

Denumire desen / Drawing Title: INTERVAL / SECTION BOD - FELDIOARA
POD PESTE PARAUL VULCANITA km 190+227.440 D=45.00m
ARMARE CULEEA BRASOV / BRASOV ABUTMENT REINFORCEMENT
BRIDGE km 190+227.440 D=45.00m

Codificare / Codification System

Scara/Scale 1:50	LOT / LOT	Nr. / No

EAS1 01 E 06 BC PV 06 5 2 007 0