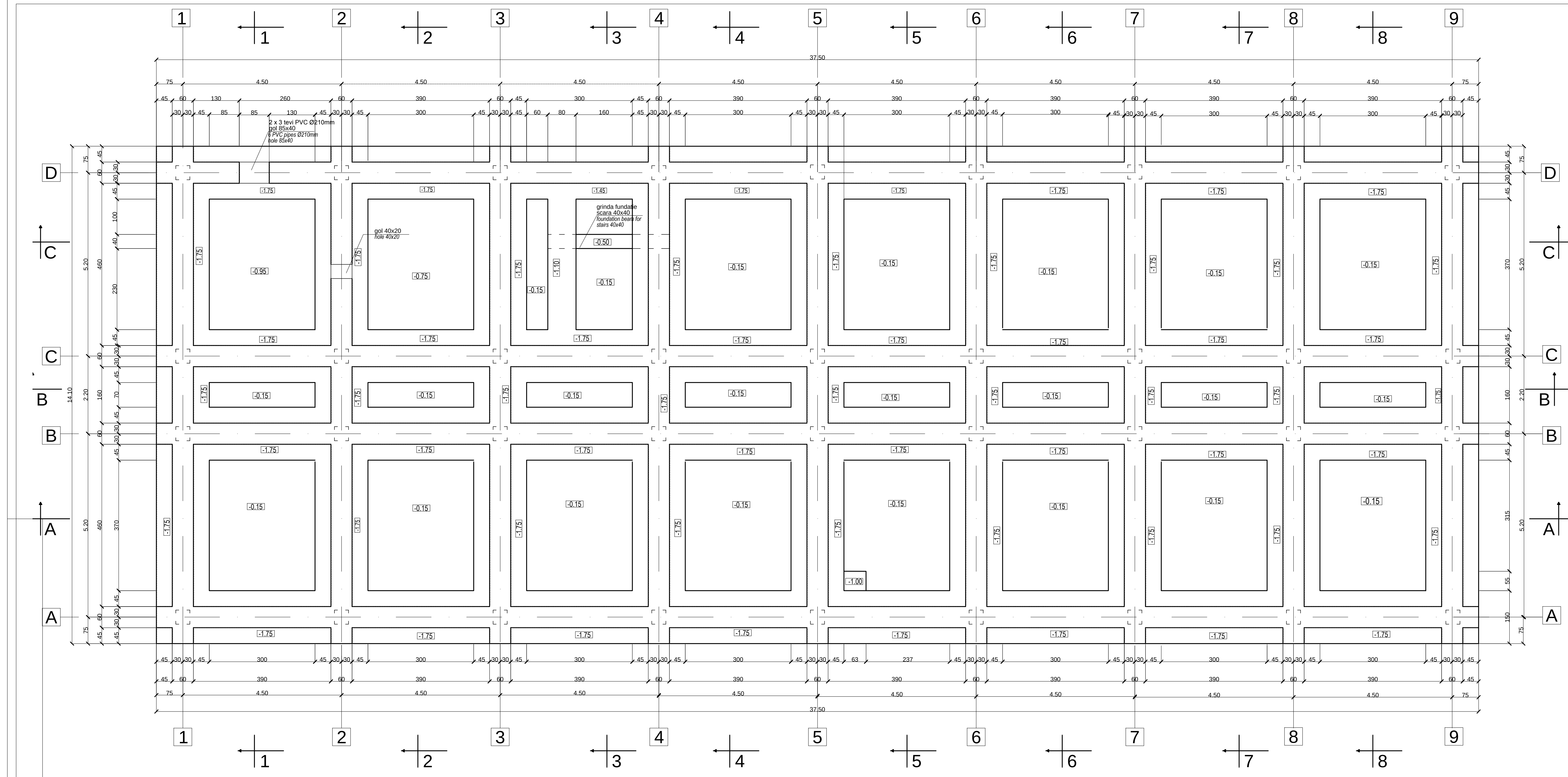
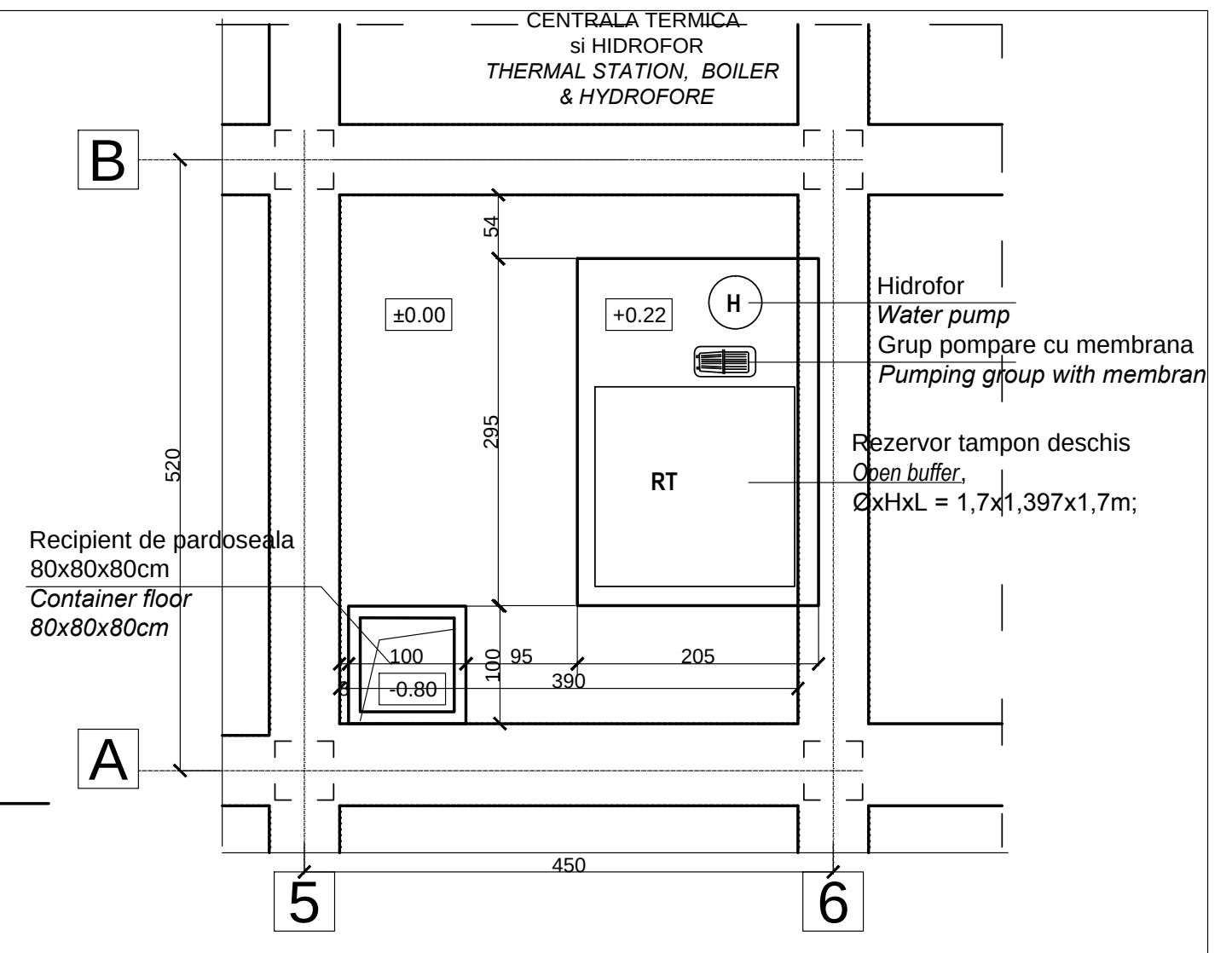
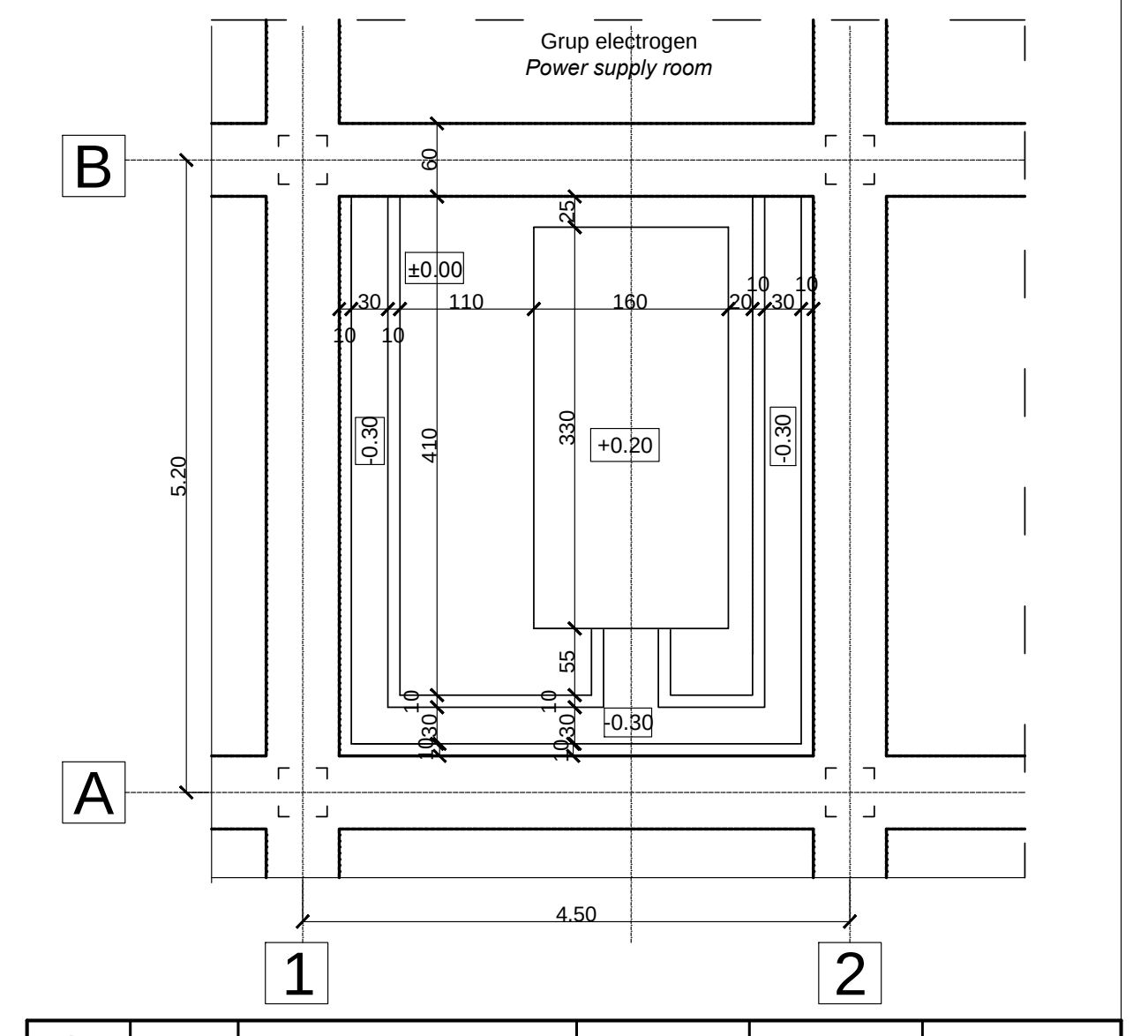
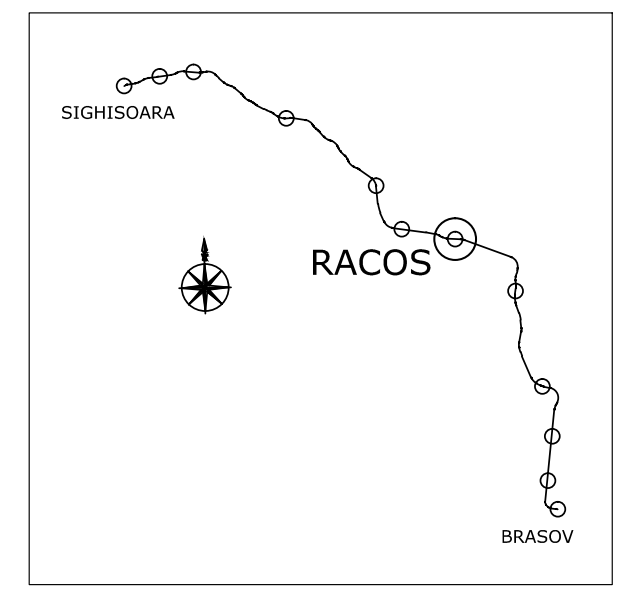

1
2
3
4
5
6
7
8
9
A
B
C
D
37.50
4.50
75
45
60
390
300
30
130
260
85
80
160
63
237
14.10
5.20
2.20
460
370
230
315
100
40
70
55
150
2 x 3 tevi PVC Ø210mm
gol 85x40
6 PVC pipes Ø210mm
hole 85x40
gol 40x20
hole 40x20
grinda fundatie scara 40x40
foundation beam for stairs 40x40
-1.75
-1.45
-0.95
-0.75
-0.50
-0.15
-1.10
-1.00


CENTRALA TERMICA si HIDROFOR
THERMAL STATION, BOILER & HYDROFORE
B
A
5
6
Hidrofor
Water pump
Grup pompare cu membrana
Pumping group with membran
Rezervor tampon deschis
Open buffer,
ØxHxL = 1,7x1,397x1,7m;
Recipient de pardoseala
80x80x80cm
Container floor
80x80x80cm
±0.00
+0.22
H
RT
-0.80
520
54
295
100
95
205
390
450


Grup electrogen
Power supply room
B
A
1
2
±0.00
+0.20
-0.30
60
25
30
110
160
20
10
410
330
55
5.20
4.50

NOTA :
- Adancimea de inghet : 100 cm, conform STAS 6054/77.
- Categoria de importanta : "C" - normala, conform H.G.R. nr. 766 / 21.11.1997.
- Clasa de importanta si expunere la cutremur : III, conf. normativ P100-1/2006.
- Din punct de vedere seismic, amplasamentul este caracterizat de ag=0,16g (IMR =100 ani) si Tc=0,7 sec., conform normativ P100-1/2006.

NOTE :
- *Depth frost : 100 cm, according to STAS 6054/77.*
- *Importance category : "C" - normal, according to H.G.R. No. 766 / 21.11.1997.*
- *Importance class and earthquake exposure : III, according to norm P100-1/2006.*
- *From seismic point of view, the location is characterized by ag=0,12g (IMR =100 years) and Tc=0,7 sec., according to norm P100-1/2006.*


SIGHISOARA
RACOS
BRASOV

MATERIALE / MATERIALS :
BETON ARMAT / REINFORCED CONCRETE :
C12/15- P4 - T3 - IIA - SR32.5;
OTEL BETON/ REINFORCEMENT :PC52, OB37
LAMINATE / ROLLED STEEL - S235J2G3;

NOTA :
1.Se verifica capacitatea portanta a pernei de balast prin probe Proctor (natura terenului bun de fundare - perna de balast compactata a fost considerata ca avand o capacitate portanta de 150kPa). Inainte de turnarea fundatiilor este obligatorie confirmarea capacitatii portante a terenului, pe baza de proces verbal de lucrari ascunse, intocmit de un specialist geotehnician autorizat.
2.Executarea umpluturii de pamant interioare intre fundatii se va face cu pamant sanatos (materii organice <5%) prin compactare 98% in straturi de 10cm grosime.

NOTE:
1.The bearing capacity of the ballast cushion will bw checked by Proctor test (nature of proper foundation ground - the bearing capacity of the compacted ballast cushion was considered to be 150kPa). Before casting the foundations, it is compulsary to confirm the ground bearing capacity based on a report for hidden works prepared by an authorizes profesional geotehnician.
2. The inner earth filling between foundations will be carried out using healthy earth(organic matters<5%0 by 98% compaction in 10cm thick layers).

NOTA :
ACEST PLAN SE VA CITI IMPREUNA CU PLANUL "CLADIREA STATIEI RACOS SECTIUNII FUNDATII".
NOTE:
THIS PLAN WILL BE READ WITH"RACOS RAILWAY STATION BUILDING FOUNDATION SECTIONS".

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 FINANȚAT DE UNIUNEA EURO
EUROPEAN UNION FINANCED PR

CLIENT / CLIENT

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

CONSULTANT / CONSULTANT

			Data Date	Semnătură Signature
Aprobat Approved	Şef proiect Project manager	R. Liuzza	12.2011	
Aprobat Approved	Coordonator Secțiune 1 Section 1 Coordinator	C. Gambelli	12.2011	
Verificat Checked	Verificator Verifier	Giuseppe Fioravanti	12.2011	

SUBCONTRACTANT / SUBCONTRACTOR

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A.Stanciu - Dinulescu	12.2011	
Întocmit Elaborated	Proiectant Designer	Georgiana Georgescu	12.2011	

Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația 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 :

CLADIREA STATIEI RACOS PLAN FUNDATII
RACOS RAILWAY STATION BUILDING FOUNDATION PLAN PLAN

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

EA51 01 C 11 PB CC 00 5 1 012 1