



la si de la
instalatiia interioara de
incalzire
to and from installation
of internal heating

LEGENDA

- Conducta din otel, agent termic tur.
- - - Conducta din otel, agent termic retur.
- CZ** Cazan electric pentru incalzire, echipat cu regulator electronic in 7 trepte (15,30,45,60,75,90,105), pentru setarea temperaturii intre 30 si 80°C, puterea termica maxima 105 KW, alimentare trifazata.
- P** Pompa circulatie agent termic apa calda 80/60°C, pentru instalatia de incalzire, debit : 4,0 mc/h, inaltime de pompare : 3,2 mCA la turatie medie, putere electrica : 300 W, alimentare monofazata.
- VEI** Vas expansiune inchis cu membrana, 100 litri, 6 bar.
- CS** Ciapeta de sens.
- SS** Supapa de siguranta.
- STE** Sonda de temperatura exterioara.

LEGEND

- Steel pipe for heat carrier supply
- - - Steel pipe for heat carrier return
- CZ** Electric heating boiler, 7 stage (15,30,45,60,75,90,105) electronic programmable for a temperature range between 30 and 80°C, maximum thermal output 105 KW, three-phased supply.
- P** Hot water heat carrier circulation pump 80/60°C for heating installation, flow rate: 4,0 m3/h, delivery lift: 3,2 mCA at medium speed, electrical power: 300 W, single-phased supply.
- VEI** Diaphragm expansion vessel, 100 l, 6 bars.
- CS** Direction valve.
- SS** Safety valve.
- STE** Outdoor temperature sensor.

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

GUVERNUL ROMANIEI
 ROMANIAN GOVERNMENT

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ
 EUROPEAN UNION FINANCED PROJECT

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

CLIENT / CLIENT

CONSULTANT / CONSULTANT

Aprobat Approved	Șef proiect Project manager	Data Date	Semnătură Signature
Aprobat Approved	Coordonator Secțiune 1 Section 1 Coordinator	DEC. 2011	
Verificat Checked	Expert Verificator Checking Expert	DEC. 2011	

SUBCONTRACTANT / SUBCONTRACTOR

Aprobat Approved	Responsabil Subcontractant Subcontractant Responsible	Data Date	Semnătură Signature
Intocmit Elaborated	Proiectant Designer	DEC. 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/RO16/P/PA/003
Faza / Phase:
 D.E. / E.D.

Denumire desen / Drawing Title :

SCHEMA TERMOMECHANICA CENTRALA TERMICA - STAȚIA CATA.
CATA STATION - THERMOMECHANICAL SCHEDULE OF CENTRAL HEATING STATION .

Codificare / Codification System	Scara / Scale	LOT / LOT	Nr. / No 01 / 01
E A 5 1 0 1 E 1 3 B X I V 0 0 6 1 0 4 5 0			