



LEGENDA

- Conducta din otel, agent termic tur.
- - - Conducta din otel, agent termic retur.
- CZ Cazan mural in condensatie pentru incalzire, cu functionare pe gaze naturale, schimbator de caldura monobloc din aluminiu/siliciu, echipat cu tablou de comanda cu programare functie de temperatura exterioara, echipat cu statie neutralizare condens si arzator pe gaz din inox, cu preamestec, puterea termica utila minima/maxima:16,6/107 kW la temperatura tur/retur 80/60°C.
- B Boiler preparare apa calda menajera.
- P1 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.
- P2 Pompa circulatie agent termic apa calda 80/60°C, pentru boiler, debit : 1,5 mc/h, inaltime de pompare : 1,0 mCA la turatie medie, putere electrica : 200 W, alimentare monofazata.
- P3 Pompa injectie cazan, debit : 3,5 mc/h, inaltime de pompare : 1,0 mCA la turatie medie, putere electrica : 150 W, alimentare monofazata.
- VEI Vas expansiune inchis cu membrana, 100 litri, 6 bar.
- CS Clapeta de sens.
- SS Supapa de siguranta.
- STE Sonda de temperatura exterioara.
- RG Robinet de golire
- M Manometru

LEGEND

- Steel pipe for heat carrier supply
- - - Steel pipe for heat carrier return
- CZ Condensing wall-mounted natural gas heating boiler, aluminum/silica monoblock heat exchanger provided with programming control panel depending on outdoor temperature, equipped with condense neutralizing device and stainless steel pre-mixture gas burner, minimum /maximum actual thermal efficiency :16,6/107 kW at supply/return temperature 80/60°C.
- B Domestic hot water boiler
- P1 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.
- P2 Hot water heat carrier circulating pump 80/60°C for boiler, flow rate: 1,5 m3/h, delivery lift: 1,0 mCA at medium speed, electrical power: 200 W, single-phased supply.
- P3 Injection pump, flow rate: 3,5 m3/h, delivery lift: 1,0 mCA at medium speed, electrical power: 150 W, single-phased supply.
- VEI Diaphragm expansion vessel, 100 l, 6 bars.
- CS Direction valve.
- SS Safety valve.
- STE Outdoor temperature sensor.
- RG Plug cock for discharge
- M Manometer.

NOTA: Pentru caracteristicile tehnice ale boilerului se vor consulta planul:
- EA5101E05DBIS00210340- Schema coloanelor - Instalati sanitare interioare, statie hidrofor - Statia Bod

NOTA: For the technical characteristics of the domestic hot water boiler will se plan:
- EA5101E05DBIS00210340- Bod Station - Indoor sanitary installations - Columns scheme, pumping station

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B					
A					
Indice Index	Data 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.

CONSULTANT / CONSULTANT

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Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	Data Date	Semnatura Signature
Aprobat Approved	Coordonator Sectiune 1 Section 1 Coordinator	DEC. 2011	
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SUBCONTRACTANT / SUBCONTRACTOR

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Aprobat Approved	Proiectant Designer	DEC. 2011	

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

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Denumire desen / Drawing Title :

SCHEMA TERMOMECHANICA CENTRALA TERMICA - STATIA BOD.
BOD 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 0 5 B X I V 0 0 2 1 0 4 5 0	-		