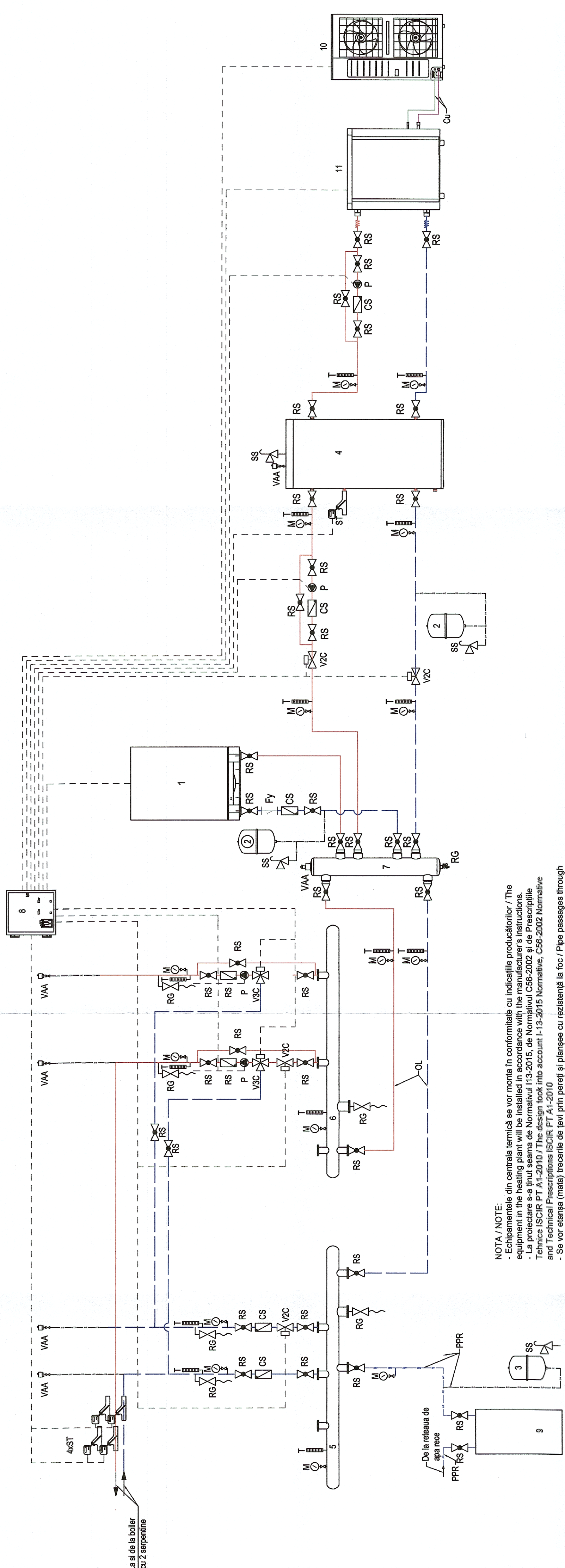


LEGENDA / LEGEND:

- 1 - Centrala termica electrica Q=36 kW / Electric thermal power plant Q=36 kW
- 2 - Vas de expansiune inchis incalzire / Closed heating expansion vessel
- 3 - Vas de expansiune inchis incalzire / Closed heating expansion vessel
- 4 - Vas de acumulare apa calda izolata V=300 litri / Insulated hot water storage tank V=300 liters
- 5 - Distribuitor 2 circuite + 1 de rezerva / Distributor 2 circuits + 1 reserve
- 6 - Colector 2 circuite + 1 de rezerva / Collector 2 circuits + reserve
- 7 - Butelie de egalizare a presiunii / Pressure equalization cylinder
- 8 - Tablou automatizare / Automation panel
- 9 - Statie de deduzire / Softening station
- 10 - Pompa de caldura aer-apa Qi=30 kW / Air-water heat pump Qi=30 kW
- 11 - Unitate interioara pentru producere apa calda Qi=30 kW / Indoor unit for hot water production Qi=30 kW

- SS - Supapa de siguranta cu arc / Safety valve with spring  
 P - Pompa circulatie agent termic cu turatie variabila / Heating agent circulation pump with variable speed  
 V3C - Vana electromagnetica cu trei cai automatizata / Automated three-way electromagnetic valve  
 V2C - Vana electromagnetica cu doua cai automatizata / Automated two-way electromagnetic valve  
 RG - Robinet de golire cu portofun / Drain valve with porta turbus  
 RA - Robinet de amestec, pn 6 ba / Mixing valve, up to 6 bar  
 CS - Ciapeta de sens cu ventil, pn 6 bar / Check valve with valve, up to 6 bar  
 T - Termometru / Thermometer  
 M - Manometru / Manometer  
 ST - Senzor de temperatura / Temperature sensor  
 VA - Ventil de aerisire / Ventilation valve  
 Fy - Filtru cu sita din inox / Filter with stainless steel  
 - Conducta agent termic apa calda tur / Hot water inlet pipe  
 - Conducta agent termic apa calda retur / Hot water outlet pipe  
 - Conducta apa rece / Cold water pipe  
 - Conducta agent frigorific freon gaz / Freon gas refrigerant pipe  
 - Conducta agent frigorific freon lichid / Liquid freon refrigerant line  
 - Conducta expansiune / Expansion pipe  
 - Automatizare / Automation



NOTA / NOTE:  
 - Echipamentele din centrala termica se vor monta in conformitate cu indicatiile producatorilor / The equipment in the heating plant will be installed in accordance with the manufacturer's instructions.  
 - La proiectare s-a tinut seama de Normativul I13-2015, de Normativul C56-2002 si de Prescripiile Tehnice IS CIR PT A1-2010 / The design took into account I-13-2015 Normative, C56-2002 Normative and Technical Prescriptions IS CIR PT A1-2010  
 - Se vor etansa (mata) trecerile de tevi prin pereti si plansee cu rezistenta la foc / Pipe passages through fire-resistant walls and floors will be sealed (matted)  
 - La trecerile prin pereti tevile vor fi protejate cu mansoane / When passing through walls, the pipes will be protected with sleeves.

PROIECTANT / DESIGNER: UNIUNEA EUROPEANA EUROPEAN UNION FINANCED PROJECT	BENEFICIAR / BENEFICIARY: COMPANIA NATIONALA DE CAI FERATE "C.F.R." S.A. ROMANIAN RAILWAY NATIONAL COMPANY
DENUMIRE / PROJECT / DENUMIRE / LUCRARE: MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINPRE STATILE CF BUCURESTI NORD - JILAVA - GIURGIU NORD - GIURGIU NORD FRONTIERA	DENUMIRE / PROJECT / DENUMIRE / LUCRARE: MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BUCHAREST NORTH - JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER
SEMNATURA / SIGNATURE Ing. Viadint DINU	SPECIALITATE / SPECIALITY %
PROIECTANT / DESIGNER Ing. Viadint DINU	DENUMIRE PLAN / DRAWING TITLE INSTALATII TERMOVENTILATII THERMOVENTILATION INSTALLATIONS
EXPERT / CHEF / KEY EXPERT NP/PM Ing. Marin BAICU	DENUMIRE PLAN / DRAWING TITLE PROPOUNER SCENARIU 1a - CLADIRE DISTRICT L - TIP - SCHEMA INCALZIRE / HEATING SCHEME CODIFICARE / CODIFICATION SYSTEM: SCARA / SCALE: %
DATA / DATE: 06.2023	EXEMPLAR NR. / EXEMPLARY NO. 1
SF 207 002 00	I02 02 04