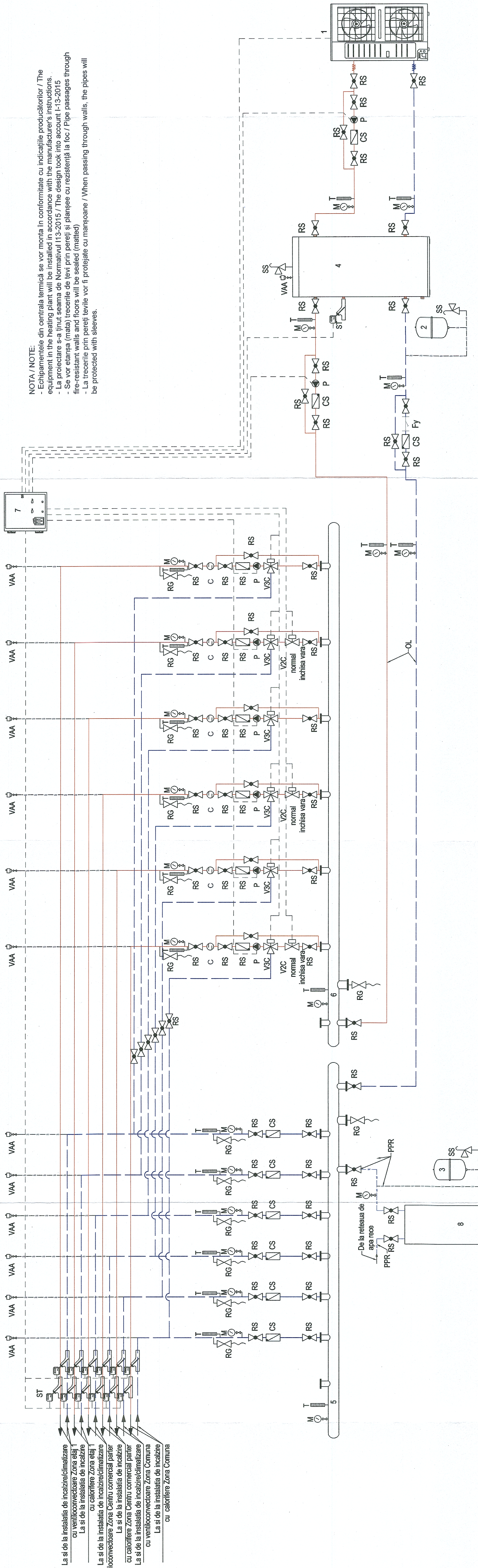


LEGENDA / LEGEND:

- 1 - Pompa de caldura aer-apa monobloc incalzire 7A/55W Qi=64 kW (-12A/55W Qi=37 kW), racire 35A/7W Qi=57 kW, echipata cu kit hidrolic / Air-water heat pump unit heating 7A/55W Qi=64 kW (-12A/55W Qi=37 kW), cooling 35A/7W Qi=57 kW, equipped with hydraulic kit
- 2 - Vas de expansiune inchis incalzire / Closed heating expansion vessel
- 3 - Vas de expansiune inchis sanitar / Closed sanitary expansion vessel
- 4 - Vas de acumulare apa calda izolat V=500 litri cu rezistenta electrica / Insulated hot water storage tank V=500 liters with electric resistance
- 5 - Distribuitor 6 circuite + 1 de rezerva / Distributor 6 circuits + 1 reserve
- 6 - Colector 6 circuite + 1 de rezerva / Collector 6 circuits + reserve
- 7 - Tablou automatizare / Automation panel
- 8 - Statie de dedurizare / Softening station
- 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 porturturn / Drain valve with porta turbus
- RS - Robinet cu opturator sferic, pn 6 bar / Ball valve, up to 6 bar
- RA - Robinet de amestec, pn 6 ba / Mixing valve, up to 6 bar
- CS - Clapeta de sens cu ventili, 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 - Filtu cu sita din inox / Filter with stainless steel
- C - Contor de energie termica mecanic / Mechanical thermal energy meter
- 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 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 / The design took into account I-13-2015
- Se vor etansa (mata) trecele de tevi prin pereți și planșee cu rezistență la foc / Pipe passages through fire-resistant walls and floors will be sealed (matted)
- La trecerile prin pereți țevile vor fi protejate cu mănșoane / When passing through walls, the pipes will be protected with sleeves.





COMPANIA NATIONALA DE CAI FERATE "C.F.R." S.A.  
ROMANIAN NATIONAL RAILWAY COMPANY

DENUMIRE INVESTITIE/ INVESTMENT NAME  
"Studiu de Fezabilitate pentru Electrificarea și Reabilitarea liniei de cale ferată Constanța - Mangalia"  
"Feasibility Study for Electrification and Rehabilitation of the Constanța - Mangalia Railway Line"

ENTITATE CONTRACTANTA  
BENEFICIARY

CONTRACTANT/CONTRACTOR  
ASOCIATUL  
S.P. S.P. S.A.  
SOCIETATEA S.C. S.C. S.C.

SECTIUNEA/ SECTION  
SPECIALITATE/ SPECIALITY  
OBJECT/ OBJECT  
DENUMIRE PLAN/ NAME PLAN  
NAPE PLAN  
DATA/DATE  
PLAN CODE

STATIA / STATION EFORIE NORD  
INSTALATII TERMOVENTILATII  
THERMOVENTILATION INSTALLATIONS  
CLADIRE CALATORI / TRAIN STATION BUILDING  
SCHEMA FUNCTIONALA INSTALATIA DE INCALZIRE SI CLIMATIZARE / FUNCTIONAL DIAGRAM OF HEATING AND AIR CONDITIONING INSTALLATION

SCALA/SCALE  
%  
09-2023

SF 6 SF 07 It C01102 R4