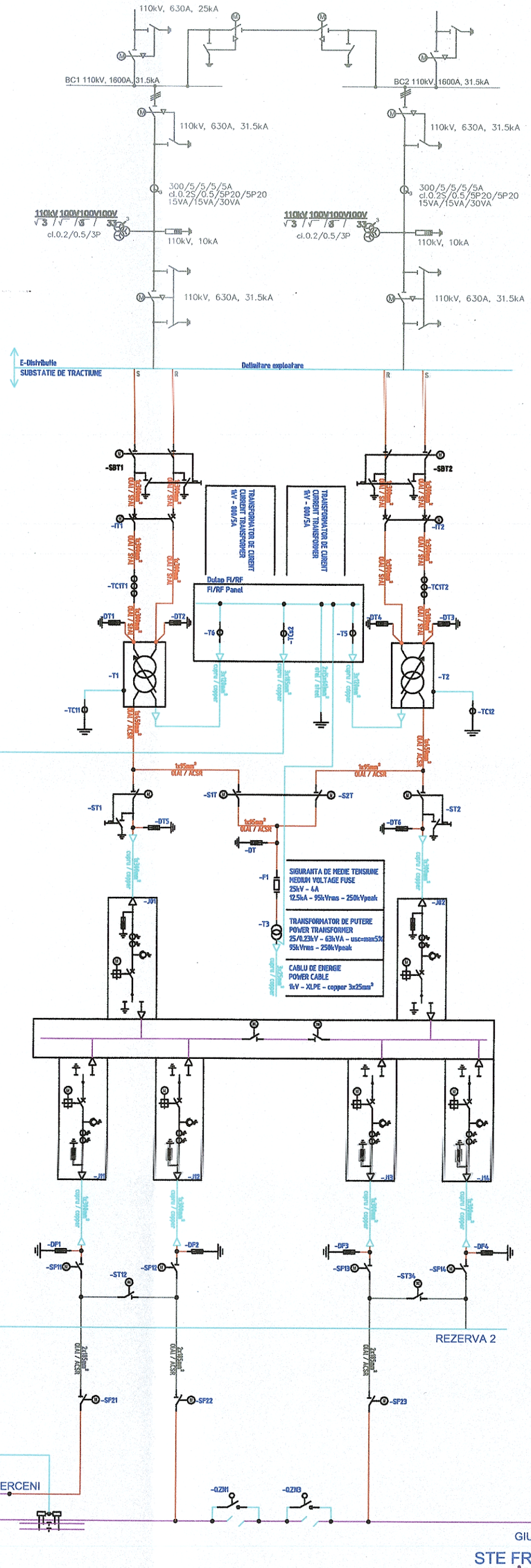
RACORD 110kV CONFORM STUDIU DE SOLUTIE
AVIZ CTE 27/2/12.10.2020 - e-Distributie Muntenia



SEPARATOR BIPOLAR
BIPOLAR DISCONNECTOR
110kV – 1600A
31.5kArms – 230kVrms – 550kVpeak
motor operated 110Vdc – max. 0.7kW

INTRERUPTOR DE PUTERE
CIRCUIT BREAKER
110kV – 1600A
31.5kArms – 230kVrms – 550kVpeak
motor operated 110Vdc – max. 1.2kW

TRANSFORMATOR DE CURENT
CURRENT TRANSFORMER
110kV – 2x100/5/5/5A – 0.2/0.2/5P10
31.5kArms – 230kVrms – 550kVpeak

DESCARCATOR CU ZnO
ZnO SURGE ARRESTER
96kV – 315kA
100kApeak – 209kVpeak

TRANSFORMATOR DE PUTERE
POWER TRANSFORMER
[110±9x1.78%]/25kV – 10MVA – usc=9.2%
230/95kVrms – 550/250kVpeak

TRANSFORMATOR DE CURENT
CURRENT TRANSFORMER
1kV – 100/5A

SEPARATOR MONOPOLAR
SINGLE PHASE DISCONNECTOR
25kV – 1250A
12.5kArms – 95kVrms – 250kVpeak
motor operated 110Vdc – max. 0.5kW

DESCARCATOR CU ZnO
ZnO SURGE ARRESTER
36kV – 10kA – 5.5kJ
95kVrms – 250kVpeak

CABLU DE ENERGIE
POWER CABLE
52kV – XLPE – copper 300mm²

SIGURANTA DE MEDIE TENSIUNE
MEDIUM VOLTAGE FUSE
25kV – 6A
12.5kA – 95kVrms – 250kVpeak

TRANSFORMATOR DE PUTERE
POWER TRANSFORMER
25/0.23kV – 63kVA – usc=min5%
95kVrms – 250kVpeak

CABLU DE ENERGIE
POWER CABLE
1kV – XLPE – copper 3x25mm²

CELULE DE MEDIE TENSIUNE DE INTERIOR
MEDIUM VOLTAGE INDOOR CELL
- gas insulation
- circuit breaker with vacuum chamber
  25kV – 2000A
  95kVrms – 250kVpeak
- voltage transformer
  25/0.1/0.1kV – 0.2/3P – 30/30VA
  95kVrms – 250kVpeak
- current transformer
  600/5/5A – 0.2/5P – 30/30VA
  95kVrms – 250kVpeak

CABLU DE ENERGIE
POWER CABLE
52kV – XLPE – copper 300mm²

DESCARCATOR CU ZnO
ZnO SURGE ARRESTER
36kV – 10kA – 5.5kJ
95kVrms – 250kVpeak

SEPARATOR MONOPOLAR
SINGLE PHASE DISCONNECTOR
25kV – 1250A
12.5kArms – 95kVrms – 250kVpeak
motor operated 110Vdc – max. 0.5kW

FIDER AERIAN DE ALIMENTARE
AERIAN SUPPLY FEEDER
2x185/32mm² - ACSR

SEPARATOR MONOPOLAR
SINGLE PHASE DISCONNECTOR
25kV – 1250A
12.5kArms – 95kVrms – 250kVpeak
motor operated 230Vac – max. 0.7kW

SEPARATOR DE SARCINA
DISCONNECTOR SWITCH
25kV – 1250A
12.5kArms – 95kVrms – 250kVpeak
motor operated 230Vac – max. 0.7kW

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT
UNIUNEA EUROPEANĂ

GUVERNUL ROMÂNIEI
GOVERNMENT OF ROMANIA

Instrumente Structurale 2014-2020

BENEFICIAR / BENEFICIARY: COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.
ROMANIAN RAILWAY NATIONAL COMPANY

PROIECTANT/ DESIGNER: ASOCIEREA/ JOINT VENTURE: BAICONS Impex SRL J40/9877/2001 & INGENIERIA ESPECIALIZADA OBRA CIVIL E INDUSTRIAL SA J40/20534/2004

DENUMIRE PROIECT/ DENUMIRE LUCRARE: MODERNIZAREA INFRASTRUCTURII DE CALE FERATĂ DINTRE STAȚIILE CF BUCUREȘTI NORD - JILAVA - GIURGIU NORD - GIURGIU NORD FRONTIERĂ
PROJECT TITLE/ WORKS TITLE: MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BUCHAREST NORTH - JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER

	NUME/NAME	SEMNATURA/ SIGNATURE
PROIECTANT/ DESIGNER	ing. Marius UDREA	
EXPERT CHEIE/ KEY EXPERT	dr.ing. Valentin GOLEA	
MP/PM	ing. Marin BAICU	

SPECIALITATE/ SPECIALITY: ENERGOALIMENTARE / POWER SUPPLY
DENUMIRE PLAN/ DRAWING TITLE: STE JILAVA / Traction Substation
DATA/DATE: 06.2023
SCARA/SCALE:
EXEMPLAR NR./ EXEMPLARY NO. 1
COD PLAN/ CODIFICATION SYSTEM: SF 207 002 00 EA 02 04
A2