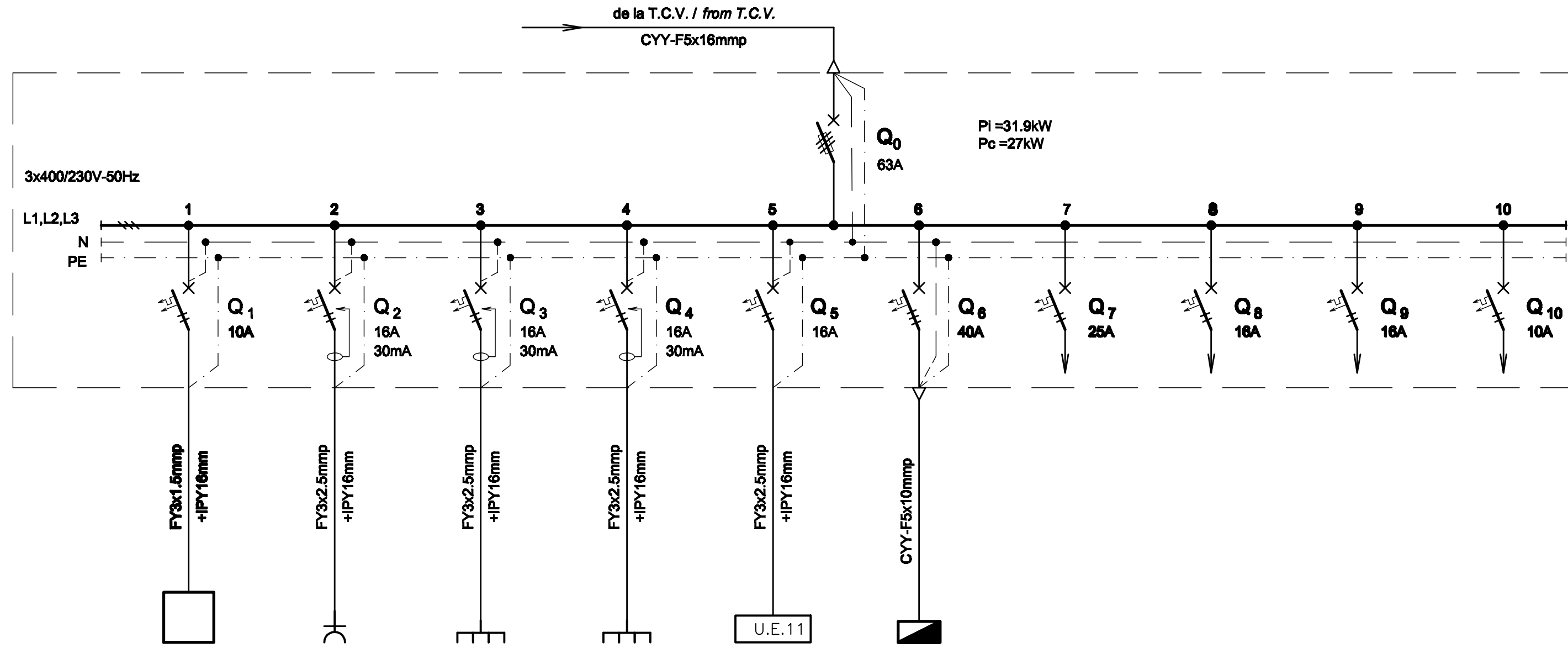


TABLOU ELECTRIC T.T.T.R. - SCHEMA MONOFILARA
T.T.T.R. ELECTRIC BOARD - SINGLE-WIRE DIAGRAM



| Nr. circuit Circuit number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------|--|---|---|---|--|--|--|--|--|--|
| Pi [kW] | 0.4 | 2 | 2 | 2 | 2 | 15.5 | 3 | 2 | 2 | 1 |
| Destinatia Destination | SALA RELEE T.T.R. TTR RELAY ROOM 4LL / Lamps | SALA RELEE T.T.R. TTR RELAY ROOM 4LP / Sockets outlet | SALA RELEE T.T.R. TTR RELAY ROOM 4LP / Sockets outlet | SALA RELEE T.T.R. TTR RELAY ROOM 2LP / Sockets outlet | UNITATE EXTERIOARA DE CLIMATIZARE SISTEM MONOFILAR OUTDOOR UNIT AIR CONDITIONING SYSTEM MONOPHASE | TABLOU ECHIPAMENTE EQUIPMENTS BOARD | REZERVA MONOFAZATA SINGLE-PHASE RESERVE | REZERVA MONOFAZATA SINGLE-PHASE RESERVE | REZERVA MONOFAZATA SINGLE-PHASE RESERVE | REZERVA MONOFAZATA SINGLE-PHASE RESERVE |

TABLOU T.T.T.R. - SPECIFICATIA DE APARATAJ
T.T.T.R. ELECTRIC BOARD - EQUIPMENT SPECIFICATION

| Nr. No. | Simbol Symbol | Denumirea aparatului Equipment denomination | Caracteristici tehnice Technical data | Buc. Pcs. | Observatii Remarks |
|---------|------------------|--|---|--------------|-----------------------|
| 0 | 1 | | | | |
| 1 | Q0 | Separator de sarcina tripolar cu fuzibil / Three-poles switch-disconnectors with fusible | In=63A Un=400V Uimp=8kV f=50Hz Icm=2,2kA | 1 | |
| 2 | Q1,Q10 | Intrerupator automat bipolar, curba B / Two-poles circuit breaker, curve B | In=10A Un=230V Icu=6kA f=50Hz | 2 | |
| 3 | Q2,Q3,Q4 | Intrerupator automat bipolar cu protectie la curent diferential rezidual, curba C / Two-poles circuit breaker with protection at residual differential current device, curve C | In=16A Un=230V Icu=6kA f=50Hz IΔn=0,03A Tip A Nivel de imunitate 250A la forma de unda 8/20 μS Level of immunity 250A to wave form 8/20 μS | 3 | |
| 4 | Q6 | Intrerupator automat tripolar, curba C / Three-poles circuit breaker, curve C | In=40A Un=400V Icu=6kA f=50Hz | 1 | |
| 5 | Q5,Q8,Q9 | Intrerupator automat bipolar, curba C / Two-poles circuit breaker, curve C | In=16A Un=230V Icu=6kA f=50Hz | 3 | |
| 6 | Q7 | Intrerupator automat bipolar, curba C / Two-poles circuit breaker, curve C | In=25A Un=230V Icu=6kA f=50Hz | 1 | |
| 7 | - | Cutie / Box | IP30, Class I / Class I | 1 | |

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



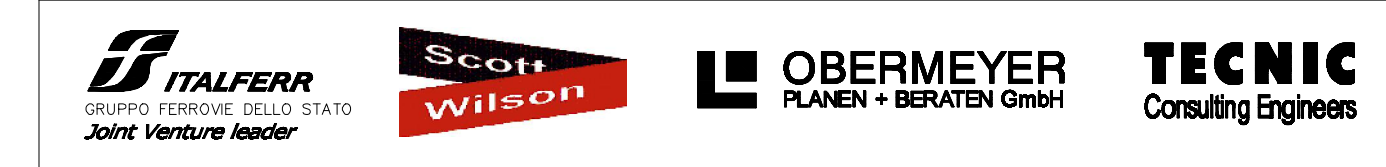
GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

CFR

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

CLIENT / CLIENT



CONSULTANT / CONSULTANT

| Aprobat Approved | Șef proiect Project manager | R. Liuzza | Data Date | Semnătură Signature |
|----------------------|---|---------------|--------------|------------------------|
| Aprobat Approved | Coordonator Secțiune 1 Section 1 Coordinator | C. Gambelli | 12.2011 | |
| Verificat Checked | Expert Verificator Checking Expert | G. Fioravanti | 12.2011 | |

SUBCONTRACTANT / SUBCONTRACTOR

| Aprobat Approved | Responsabil Subconsultant Subconsultant Responsible | A.Stanciu - Dinulescu | Data Date | Semnătură Signature |
|------------------------|--|-----------------------|--------------|------------------------|
| Întocmit Elaborated | Proiectant Designer | D. Matei | 12.2011 | |

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

Project/Project
 2004/RO/16/PI/PA/003

Faza / Phase:
 D.E. / E.D.

Denumire desen / Drawing Title :

Tablou electric T.T.T.R. - Stația Bod;
Bod station - T.T.T.R. electric board

| | | | |
|----------------------------------|---------------|-----------------------|---------------------|
| Codificare / Codification System | Scara / Scale | LOT / LOT | Nr. / No 01 / 01 |
| E A 5 1 | 0 1 | E 0 5 B X I E 0 0 2 1 | 0 4 0 1 |