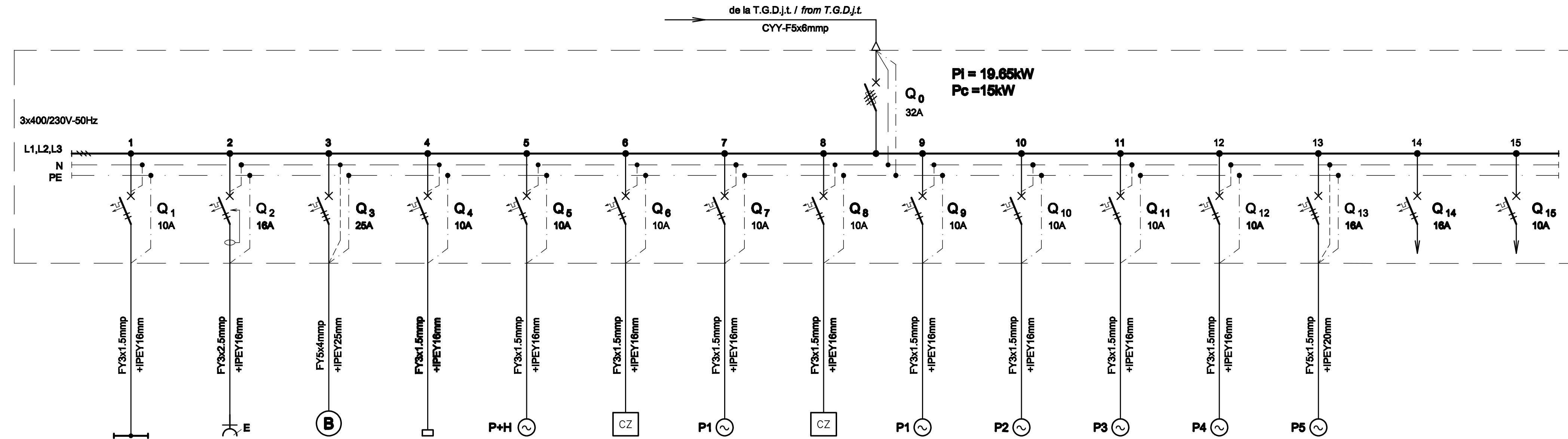


TABLOU ELECTRIC CENTRALA TERMICA T c.T. - SCHEMA MONOFILARA
Tc.T. HEATING PLANT ELECTRIC BOARD - SINGLE-WIRE DIAGRAM



Nr. circuit Circuit number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
PI [kW]	0.9	2	0	1	0.85	0.3	0.15	0.3	0.15	0.2	0.1	0.2	1.5	2	1
Destinatia Destination	CENTRALA TERMICA SI CENTRALA CONDITONARE HEATING PLANT + CONDITIONING PLANT 9LL / Lamps	CENTRALA TERMICA SI CENTRALA CONDITONARE HEATING PLANT + CONDITIONING PLANT 2LP / Steam outlet	BOILER ELECTRIC ELECTRIC BOILER	STATIE COMPLETA DE AUTOMATIZARE PENTRU SISTEME SOLARE COMPLETE AUTOMATION STATION FOR SOLAR SYSTEMS	POMPA PENTRU GRUP POMPAIE CU HIDROFOR SI PANOUL ELECTRIC PUMP FOR PUMPING GROUP WITH HYDROPHORE AND ELECTRIC PANEL	CAZAN MURAL IN CONDENSATIE FIRED CONDENSING BOILER	POMPA INJECTIE CAZAN INJECTION PUMP FOR BOILER	CAZAN MURAL IN CONDENSATIE FIRED CONDENSING BOILER	POMPA INJECTIE CAZAN INJECTION PUMP FOR BOILER	POMPA CIRCULATIE AGENT TERMIC PENTRU VENTILOCONVECTOARE HEAT CARRIER CIRCULATION PUMP FOR FAN COIL	POMPA CIRCULATIE AGENT TERMIC PENTRU RADIATOARE HEAT CARRIER CIRCULATION PUMP FOR RADIATORS	POMPA CIRCULATIE AGENT TERMIC PENTRU BOILER HEAT CARRIER CIRCULATION PUMP FOR BOILER	ELECTROPOMPA SUBMERSIBILA SUBMERSIBLE ELECTROPUMP	REZERVA MONOFAZATA SINGLE-PHASE RESERVE	REZERVA MONOFAZATA SINGLE-PHASE RESERVE

TABLOU ELECTRIC CENTRALA TERMICA T c.T. - SPECIFICATIE DE APARATAJ
Tc.T. HEATING PLANT ELECTRIC BOARD - EQUIPMENT SPECIFICATION

Nr. No.	Symbol	Denumirea aparatului Equipment denomination	Caracteristici tehnice Technical data	Buc. Pcs.	Observatii Remarks
0	1	2	3	4	5
1	Q0	Separator de sarcina tripolar cu fuzibil Three-poles switch-disconnector with fusible	In=32A Un=400V Uimp=8kV f=50Hz Icm=2.2kA	1	
2	Q1	Interrupator automat bipolar, curba B Two-poles circuit breaker, curve B	In=10A Un=230V Icu=6kA f=50Hz	1	
3	Q2	Interrupator 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 Idn=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	1	
4	Q3	Interrupator automat tripolar, curba C Three-poles circuit breaker, curve C	In=25A Un=400V Icu=6kA f=50Hz	1	
5	Q4.....Q12	Interrupator automat bipolar, curba C Two-poles circuit breaker, curve C	In=10A Un=230V Icu=6kA f=50Hz	9	
6	Q13	Interrupator automat tripolar, curba C Three-poles circuit breaker, curve C	In=16A Un=400V Icu=6kA f=50Hz	1	
7	Q14	Interrupator automat bipolar, curba C Two-poles circuit breaker, curve C	In=16A Un=230V Icu=6kA f=50Hz	1	
8	Q15	Interrupator automat bipolar, curba C Two-poles circuit breaker, curve C	In=10A Un=230V Icu=6kA f=50Hz	1	
9	-	Cutie / Box	IP64, 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			
				C.N.C.F. "C.F.R." - S.A.	
CLIENT / CLIENT					
APROBAT / APPROVED		Șef proiect / Project manager R. Liuzza		Data / Date 12.2011	
VERIFICAT / CHECKED		Coordonator Secțiune 1 / Section 1 Coordinator C. Gambelli		Semnătură / Signature [Signature]	
SUBCONTRACTANT / SUBCONTRACTOR		Responsabil Subconsultant / Subconsultant Responsible A. Stanciu - Dinulescu		Data / Date 12.2011	
REABILITAREA LINIEI DE CALE FERATA BRAȘOV - SIMERIA, PARTE COMPONENTĂ A CORIDORULUI IV PAN EUROPEAN, PENTRU CIRCULAȚIA TRENURILOR CU VITEZA MAXIMĂ DE 160 KM/H, TRONSONUL: BRAȘOV - SIGHIȘOARA		Reabilitarea liniei de cale ferată Brașov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația trenurilor cu viteză maximă de 160 km/h, Tronsonul: Brașov - Sighișoara		Proiect/Project 2004/RO/16/PPA/003	
REHABILITAREA LINIEI DE CALE FERATA BRAȘOV - SIMERIA, PARTE COMPONENTĂ A CORIDORULUI IV PAN EUROPEAN, PENTRU CIRCULAȚIA TRENURILOR CU VITEZA MAXIMĂ DE 160 KM/H, SECȚIUNEA: BRAȘOV - SIGHIȘOARA		Rehabilitation of the railway line Brașov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h, Section: Brașov - Sighișoara		Faza / Phase: D.E. / E.D.	
Denumire desen / Drawing Title :					
Tablou electric centrala termica T c.T. - Centru operațional de comandă; Operational command center - Tc.T. heating plant electric board					
Codificare / Codification System		Scara / Scale		LOT / LOT	
E A 5 1		0 1		E 0 1 B X I E 0 0 1 9 0 1 8 1	