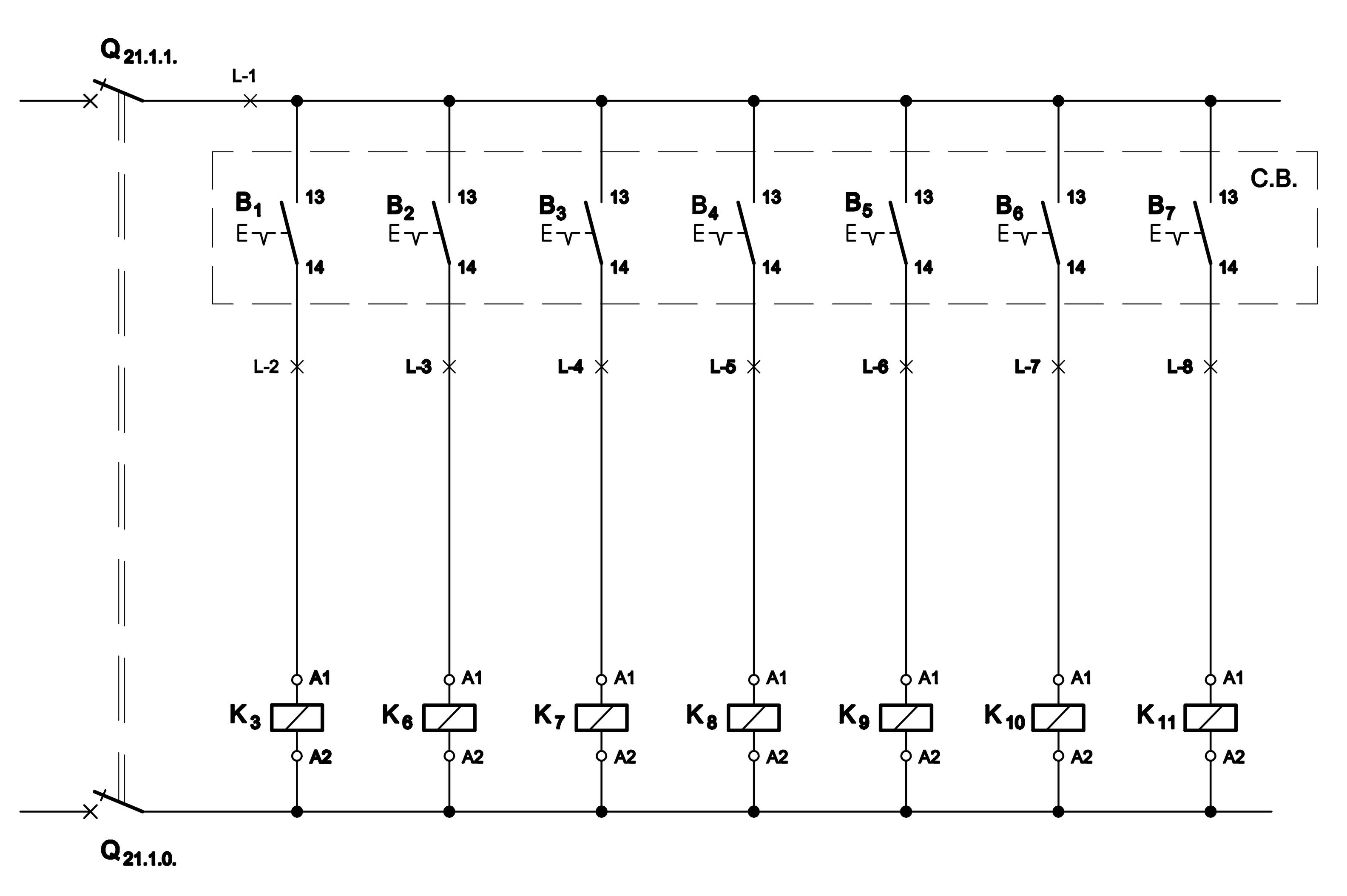
TABLOU ELECTRIC GENERAL T.G. - SCHEMA MONOFILARA
T.G. GENERAL ELECTRIC BOARD - SINGLE-WIRE DIAGRAM

Nr. circuit *Circuit number*	1	2	3	4	5	6	7	8	9	10	11	12	13
Pi [kW]	0.48	1.22	0.4	0.98	0.36	1.5	0.8	1.5	0.6	1.5	1.5	0.112	2
Destinatia Destination	CABINA PERSOANE DIZABILITATI, GRUP SANITAR BARBATI, GRUP SANITAR FEMEI *WC FOR DISABLED, MEN'S TOILET, WOMEN'S TOILET* **8LL / Lamps**	SEF STATIE, BIROU MISCARE, ATELIER CED, HOL, VESTIBUL *OFFICE, MOVEMENT OFFICE, CED STUDIO, HALL, WINDFANG* **13LL / Lamps**	HOL CENTRAL / SALA ASTEPTARE ***CENTRAL HALL / WAITING ROOM*** **4LL / Lamps**	SALA ACUMULATORI, DEPOZIT, SAS *BATERRY ROOM, STORE HOUSE, SMALL HALL* **11LL / Lamps**	SCARA *STAIR* 4LL / Lamps	**PICTOGRAMA** ***PICTOGRAM*** **1Buc. / Piece**	PICTOGRAME *PICTOGRAMS* **4Buc. / Pieces**	**PICTOGRAMA** ***PICTOGRAM*** **1Buc. / Piece**	PICTOGRAME *PICTOGRAMS* **3Buc. / Pieces**	**PICTOGRAMA** ***PICTOGRAM*** **1Buc. / Piece**	**PICTOGRAMA** ***PICTOGRAM*** **1Buc. / Piece**	ILUMINAT DE SIGURANTA *EMERGENCY LIGHTING* **7Buc. / Pieces**	**BIROU MISCARE, SEF STATIE** *MOVEMENT OFFICE STATION MASTER* **4LP / Sockets outlet**

Nr. circuit *Circuit number*	14	15	16	17	18	19	20	21	22	23	24	25	26
Pi [kW]	2	2	2	2	1	1	40.6	0.16	4	3	3	2	1
Destinatia Destination	ATELIER CED, HOL, PRESA, VESTIBUL *CED STUDIO, HALL, NEWSPAPER, WINDFANG* **4LP / Sockets outlet**	USCATOR DE MAINI *HAND DRYER* **1Buc. / Piece**	USCATOR DE MAINI *HAND DRYER* **1Buc. / Piece**	USCATOR DE MAINI *HAND DRYER* **1Buc. / Piece**	UNITATE EXTERIOARA DE CLIMATIZARE SISTEM MONOSPLIT *OUTDOOR UNIT AIR CONDITIONING SYSTEM MONOSPLIT* **1Buc. / Piece**	UNITATE EXTERIOARA DE CLIMATIZARE SISTEM MONOSPLIT *OUTDOOR UNIT AIR CONDITIONING SYSTEM MONOSPLIT* **1Buc. / Piece**	**SUBSOL TABLOU ELECTRIC - T.S.** ***BASEMENT ELECTRIC BOARD - T.S.***	CIRCUIT COMANDA ILUMINAT INTERIOR ***CONTROL CIRCUIT INTERIOR LIGHTING***	**REZERVA TRIFAZATA** ***THREE-PHASE RESERVE***	**REZERVA TRIFAZATA** ***THREE-PHASE RESERVE***	**REZERVA MONOFAZATA** ***SINGLE-PHASE RESERVE***	**REZERVA MONOFAZATA** ***SINGLE-PHASE RESERVE***	**REZERVA MONOFAZATA** ***SINGLE-PHASE RESERVE***



PROTECTIE CIRCUIT DE COMANDA *PROTECTION OF THE COMMAND CIRCUIT*	**COMANDA ILUMINAT HOL CENTRAL/ SALA ASTEPTARE** ***LIGHTING COMMAND CENTRAL HALL/ WAITING ROOM***	COMANDA APRINDERE STINGERE PICTOGRAME ***ON-OFF COMMAND OF THE SYMBOLS***	COMANDA APRINDERE STINGERE PICTOGRAME ***ON-OFF COMMAND OF THE SYMBOLS***	COMANDA APRINDERE STINGERE PICTOGRAME ***ON-OFF COMMAND OF THE SYMBOLS***	COMANDA APRINDERE STINGERE PICTOGRAME *ON-OFF COMMAND OF THE SYMBOLS*	COMANDA APRINDERE STINGERE PICTOGRAME *ON-OFF COMMAND OF THE SYMBOLS*	COMANDA APRINDERE STINGERE PICTOGRAME *ON-OFF COMMAND OF THE SYMBOLS*

TABLOU ELECTRIC GENERAL T.G. - SPECIFICATIE DE APARATAJ
T.G. GENERAL ELECTRIC BOARD - EQUIPMENT SPECIFICATION

Nr. *No.*	Simbol *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=125A Un=400V Uimp=8kV f=50Hz Icm=2.2kA	1	
2	Q1,...,Q5,Q26	Intrerupator automat bipolar, curba B *Two-poles circuit breaker, curve B*	In=10A Un=230V Icu=6kA f=50Hz	6	
3	Q13,Q14	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 8/20μS*	2	
4	Q12	Intrerupator automat bipolar, curba B *Two-poles circuit breaker, curve B*	In=6A Un=230V Icu=6kA f=50Hz	1	
5	Q6,Q7,Q8,Q9, Q10,Q11,Q15, Q16,Q17,Q18, Q19, Q25	Intrerupator automat bipolar, curba C *Two-poles circuit breaker, curve C*	In=16A Un=230V Icu=6kA f=50Hz	12	
6	Q20	Intrerupator automat tripolar, curba C *Three-poles circuit breaker, curve C*	In=80A Un=400V Icu=6kA f=50Hz	1	
7	Q22	Intrerupator automat tripolar, curba C *Three-poles circuit breaker, curve C*	In=25A Un=400V Icu=6kA f=50Hz	1	
8	Q23	Intrerupator automat tripolar, curba C *Three-poles circuit breaker, curve C*	In=16A Un=400V Icu=6kA f=50Hz	1	
9	Q24	Intrerupator automat bipolar, curba C *Two-poles circuit breaker, curve C*	In=25A Un=230V Icu=6kA f=50Hz	1	
10	Q01	Intrerupator automat tripolar, constructie modulara, curba C *Three-poles circuit breaker, modular construction, curve C*	In=6A Un=400V Icu=25kA f=50Hz	1	
11	P1	Voltmetru feromagnetic *Ferromagnetic voltmeter*	Domeniu / *Range* 0...600 V	1	
12	S1	Comutator voltmetric *Voltmetric switch*	Un=500V In=10A f=50Hz	1	
13	K3,K6,...,K11	Contactor electromagnetic tripolar de curent alternativ / *Three-poles electromagnetic a.c. contactor*	Un=400A Uc=230V In=16A f=50Hz	7	
14	Q21,Q21.1	Intrerupatoare automate bipolare, curba D / *Two-poles circuit breaker, curve D*	In=6A Un=240V f=50Hz Icu=10kA	2	
15	T21	Transformator monofazat uscat de comanda / *Single-phase dry-type command transformer*	Sn=160VA U1n=230V U2n=230V f=50Hz	1	
16	S21	Comutator cu came cu doua pozitii si un etaj / *Switch with cams having two-positions and a floor*	Un=500V In=16A f=50Hz	1	
17	B1,B2,B3,B4, B5,B6,B7	Butoane de comanda luminoase cu retinere / *Light command buttons with retainer*	Ui=500V In=6A f=50Hz IP67	7	Butoanele se vor monta in C.B. (cutia cu butoane) *Buttons will be installed in C.B.(box of buttons)*
18	L	Cleme de racordare *Connection clamps*	Un=660V In=16A f=50Hz	8	
19	-	Cutie / *Box*	IP30, Clasa I / *Class I*	1	

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

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

CLIENT / CLIENT

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

ITALFERR GRUPPO FERROVIE DELLO STATO *Joint Venture leader*

Scott Wilson

OBERMEYER PLANEN + BERATEN GmbH

TECNIC Consulting Engineers

CONSULTANT / CONSULTANT

			Data Date	Semnătură Signature
Aprobat Approved	Şef proiect Project manager	R. Liuzza	12.2011	
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	12.2011	
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

Proiect/Project *2004/RO/16/P/PA/003*

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

Denumire desen / Drawing Title :

Tablou electric general T.G. - Staţia Stupini;
Stupini station - T.G. general electric board

Codificare / Codification System	Scara / Scale	LOT / LOT	Nr. / No 01 / 01

E A 5 1 | 0 1 | E | 0 3 | B X | I E | 0 0 | 1 | 1 | 0 4 2 | 1

A3(297x1890)