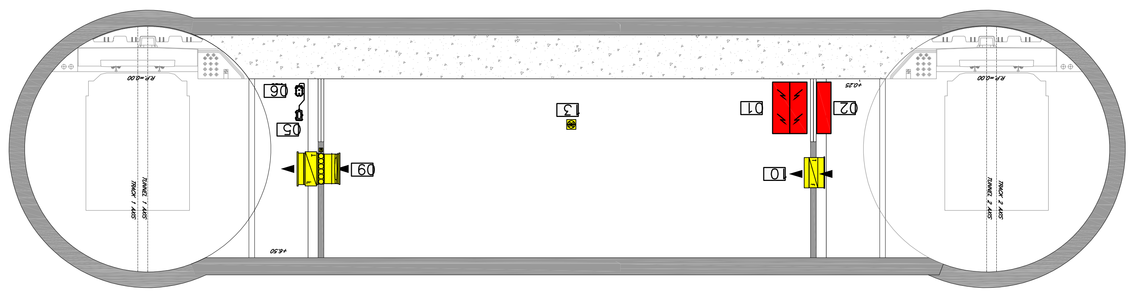
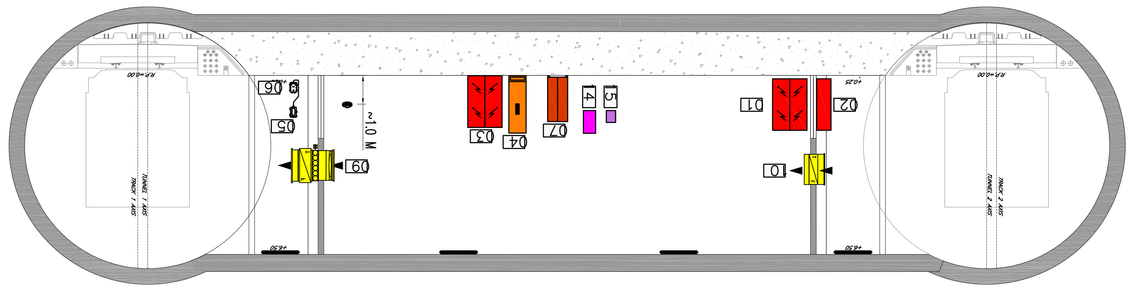
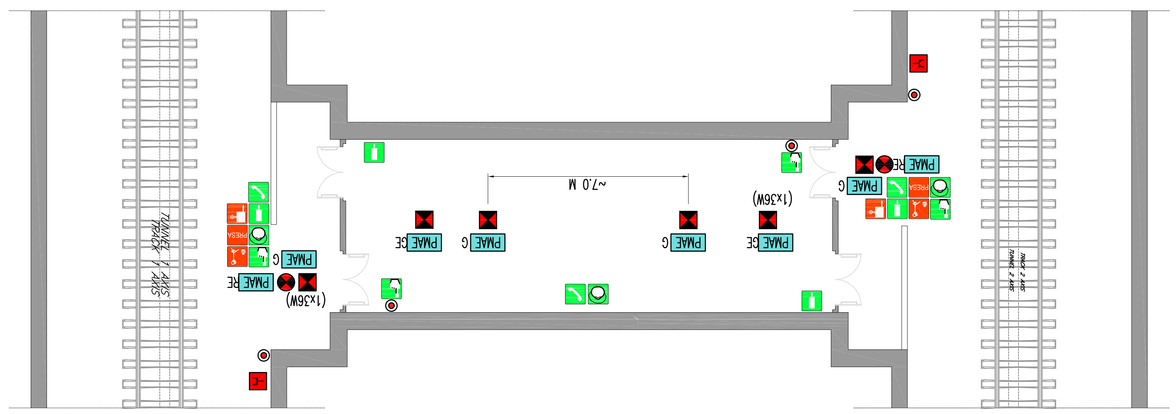


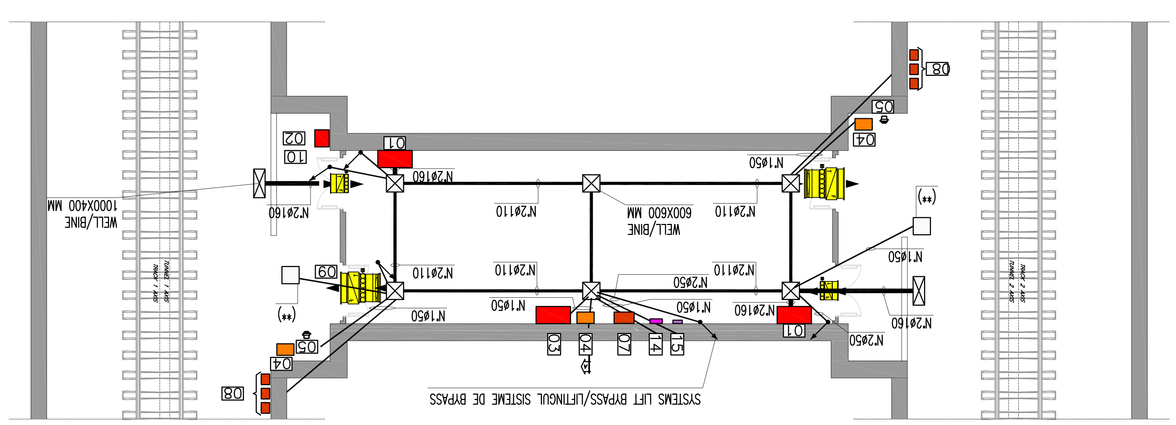
SECTION B–B WITH LIGHT AND MOTIVE POWER SYSTEMS/SECTIUNE B–B CU SISTEME DE LUMINA ŞI DE FORŢĂ MOTRICE



SECTION A–A WITH LIGHT AND MOTIVE POWER SYSTEMS/SECTIUNE A–A CU SISTEME DE LUMINA ŞI DE FORŢĂ MOTRICE

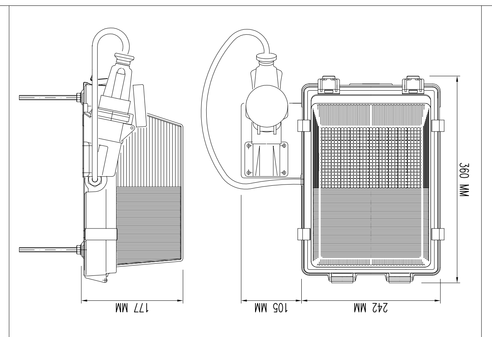


PLANT WITH LIGHT AND MOTIVE POWER SYSTEMS/PLANTE CU SISTEME DE LUMINA ŞI DE FORŢĂ MOTRICE

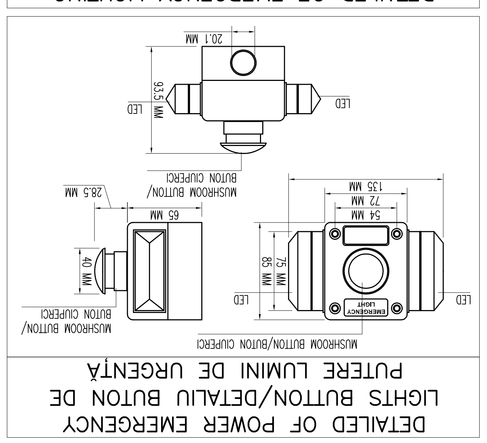


PLANT WITH ELECTRICAL AND DUCTS EQUIPMENTS/ PLANTE CU ECHIPAMENTE ELECTRICE ŞI CONDUCTE

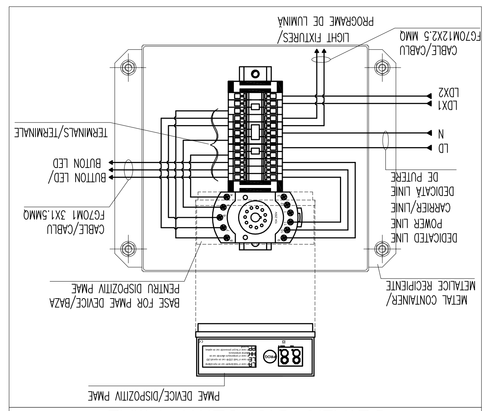
BY–PASS TYPOLOGICAL/TIPOLOGIC



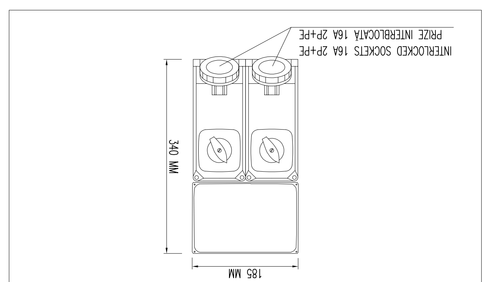
DETAILED OF EMERGENCY LIGHTING EQUIPMENT 1x18W/DETALIU APARATUL LUMINI DE URGENŢĂ 1x18W



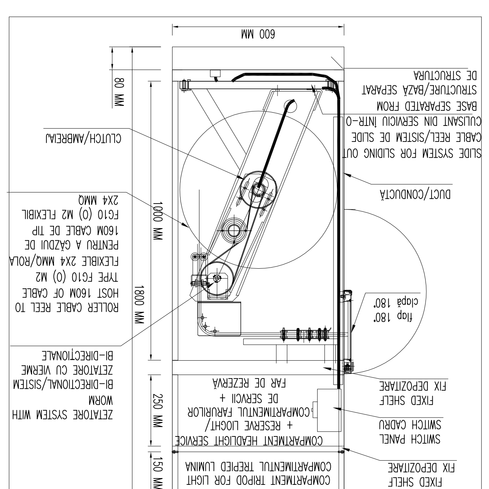
DETAILED OF POWER EMERGENCY LIGHTS BUTTON/DETALIU BUTON DE PUTERE LUMINI DE URGENŢĂ



EMERGENCY CABINET DETAILED/ DETALIU CABINET DE URGENŢĂ



PMAE DEVICE DETAILED/ DETALIU DISPOZITIV PMAE



FIRE BRIGADE SOCKETS DETAILED/ DETALIU PRIZE DE POMPIERI

EMERGENCY CABINET DETAILED/ DETALIU CABINET DE URGENŢĂ

SYMBOLS LEGEND/LEGENDA SIMBOLURI

	TUBO FLESSIBILE IN POLIETILENE INCASSATO A PAVIMENTO
	POZZETTO
	CONDUTTURA ASCENDENTE
PMAE*	PERIPHERAL DEVICE/PERIFERIC DISPOZITIV MAE E – EMERGENCY LIGHT BUTTON/URGENŢĂ LUMINA BUTONULUI G – GENERAL LIGHTING LAMPS/LUMINAT GENERAL LAMPI R – LAMPS OF REFERENCE BYPASS-NICHE/LAMPI DE REFERINŢĂ BYPASS-NISA
	N°2 SOCKETS 230 V FOR FIRE BRIGADE/N°2 PRIZE 230 V PENTRU POMPIERI
	SWITCH WITH INDICATOR LIGHT/SWITCH CU INDICATOR LUMINOS
	LIGHT FIXTURES 1X18 W EMERGENCY LIGHTING/PROGRAMAT DE LUMINA 1X18 W ILUMINAT DE URGENŢĂ
	LIGHT FIXTURES 1X18 W REFERENCE LIGHTING/PROGRAMAT DE LUMINA 1X18 W ILUMINAT DE REFERINŢĂ
	LIGHT FIXTURES 1X18 W GENERAL LIGHTING/PROGRAMAT DE LUMINA 1X18 W ILUMINAT GENERAL
	JUNCTION BOX TYPE A/JUNCTION BOX TIP A
	JUNCTION BOX TYPE B/JUNCTION BOX TIP B
	EMERGENCY EXIT/IEŞIRE DE URGENŢĂ
	EMERGENCY TELEPHONE/LINIE TELEFONICĂ DE URGENŢĂ
	FILTER MASKS/MASTI FILTRU
	BUTTON EMERGENCY LIGHTS/URGENŢĂ BUTTON LUMINI
	HYDRANT/HIDRANT
	ELECTRICAL PLUG TO RESCUE TEAMS/PRIZĂ ELECTRICĂ PENTRU A SALVA
	EMERGENCY EQUIPMENT TO RESCUE TEAMS/ECHIPAMENT DE URGENŢĂ PENTRU A SALVA
	ON/OFF ALARM POINT WITH BADGE/PUNCTUL ACTIVAREA- OPRIRE ALARMĂ CU BADGE
	ACCESS CONTROL AND INTRUSION DETECTION UNIT/CENTRAL DE CONTROLUL ACCES SI DE DETECTIE A INTRUZIUNILOR
	DUAL TECHNOLOGY DETECTORS/DETECTOARE DUAL TEHNOLOGIE
	STATE DOOR DETECTOR/DETECTOR STAT USĂ
	SMOKE DETECTION SENSOR/DETECTIE FUM SENZOR
	CENTRAL LOCAL TECHNICAL FIRE DETECTION-BYPASS-NICHE/CENTRAL TEHNIC LOCAL DE DETECTARE A INCENDIILOR-BYPASS-DE NISA
	SPEAKER HORN WITH POWER P=10 W/DIFUZOR HORN CU PUTERE P=10
TEL	TELEPHONE COLUMN TEL_DS/TELEFON COLOANA TEL_DS

EQUIPMENTS LEGEND/LEGENDA APARATE

D1	SECTION PANEL/CADRU SECTIUNE CAT
D2	CABLE REEL COIL CABINET/CABINET PENTRU ROLA REEL
D3	BY–PASS PANEL/CADRU BY–PASS GAB
D4	COLOUMNS/COLOANE TEA/DS
D5	TELEPHONE/TELEFON SISI
D6	BOX F.S. 3–10/CASETA F.S. 3–10
D7	CABINET CONTAINING FIRE EQUIPMENT/CABINET CONTIN ECHIPAMENTE FOC
D8	HYDRANT/HIDRANT
D9	– AR POWER GRID/AER PUTERE GRILA – FIRE DAMPER/FOC AMORTIZOR – MOTORIZED DAMPER CONTROL/AMORTIZOR MOTORIZAT CONTROL – FAN AXIAL/VENTILATOR AXIAL
D10	– EXHAUST AIR GRILL/EVACUARE AER GRILA – FIRE DAMPER/FOC AMORTIZOR – MOTORIZED DAMPER CONTROL/AMORTIZOR MOTORIZAT
T1	PREDISPOSIZIONE SPAZIO PER SISTEMI UMTS/GSM
T2	PREDISPOZIZIONE SPAZIO PER SISTEMI GSMR+SOH+STSI
T3	VENTILATORE ASSIALE VENTILAZIONE MICCHIA
T4	CENTRALE RIVELAZIONE INCENDI
T5	CENTRALE ANTINTRUSIONE E CONTROLLO ACCESSI

GENERAL PLAN / PLANUL GENERAL

CONSULTANT / CONSULTANT

Aprobat/ Approved	Şef proiect/ Project manager	R. Ljuzza		
Aprobat/ Approved	Coordonator Secţiune 1/ Section 1 Coordinator			
Verificat/ Checked	Expert Tunel/ Tunnel Expert	C. Gambelli		
Elaborat/ Elaborated	Proiectant/ Designer	P. Amodio		

SUBCONSULTANT / SUBCONSULTANT

Aprobat/ Approved	Responsabil Subconsultant/ Subconsultant Responsible			
Elaborat/ Elaborated	Proiectant/ Designer			

Reabilitarea liniei de cale ferată Brașov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația trenurilor cu viteza maximă de 160 km/h. Sectiunea 1 Brașov - Sighișoara			Proiect/Project 2004/RO/16/P/PA/003
Rehabilitation of the railway line Brasov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h. Section 1 Brasov - Sighisoara			Faza / Phase: P.Th. / T.D.

Denumire desen / Drawing Title :**TUNNEL/TUNELUL HOMOROD**
MATURAL TUNNEL/TUNELUL NATURAL
Safety Tunnel Power Supply systems /Sistem de alimentare de siguranță a tunelul
Local technological Layout and characteristic sections in tunnel /Află system
Plan de situație tehnologică și secțiuni caracteristice în tunelul Sistem LPA

Coordonare / Coallboration System	Scara / Scale -	LOT	Nr./No. 2/2

E A 5 1 | 0 1 | C | 1 2 | L X | T S | 2 0 | 6 | 6 | 0 1 5 | 0

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

GUVERNUL ROMANIEI / ROMANIAN GOVERNMENT

PROIECT FINANTAT DE UNIUNEA EUROPEANA / EUROPEAN UNION FINANCED PROJECT

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

CLIENT / CLIENT

Semnătura/ Signature | Data/ Date

TALGRA — Sisteme Feroviare de Ultă Tehnică / Joint Venture leader

Scott Wilson

OBERMEYER — Planen + Beratende Ingenieure

TECNIC — Consulting Engineers