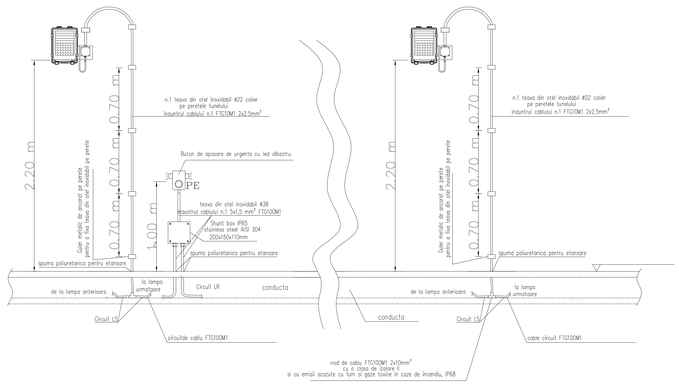
INSTALAREA ILUMINATULUI DE URGENATA IN TUNEL

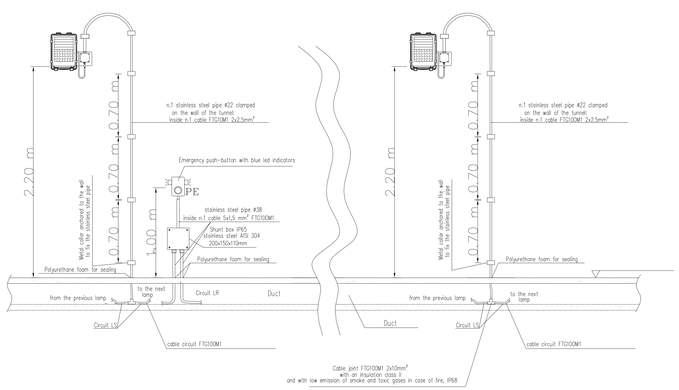
ILUMINATUL DE URGENTA



ILUMINATUL DE URGENTA

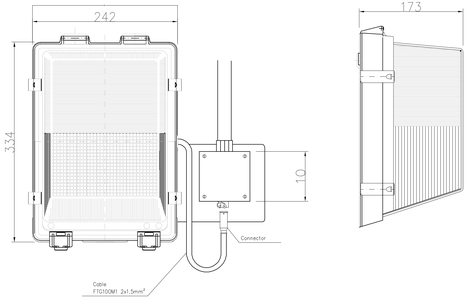
EMERGENCY LIGHTING INSTALLATION IN THE TUNNEL

EMERGENCY LIGHT

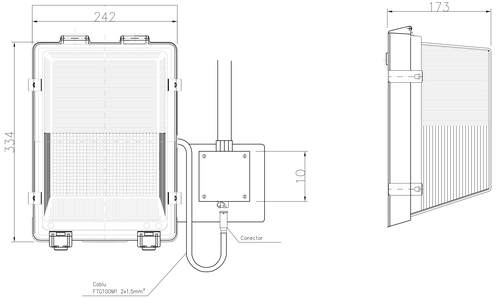


EMERGENCY LIGHT

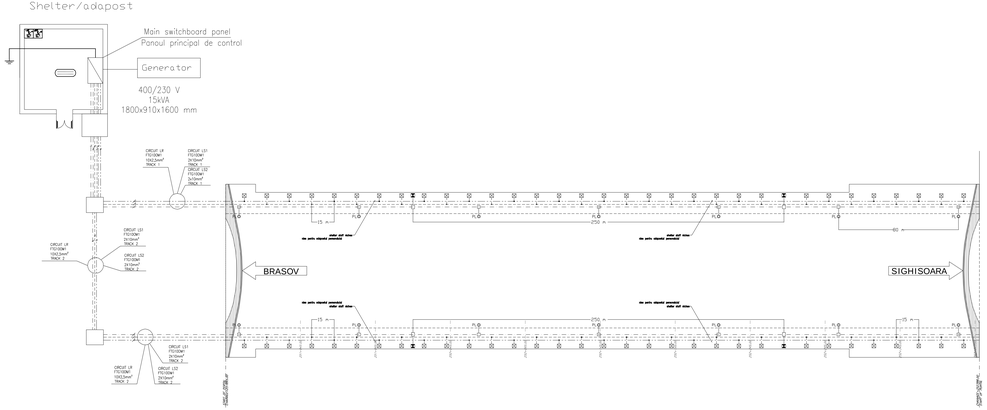
LUMINARE FOR EMERGENCY LIGHTING OF RAILWAY TUNNELS



LUMINARE PENTRU ILUMINATUL DE URGENTA AL TUNELELOR DE CALE FERATA



Shelter/adapost



DENUMIRE	
SIMBOL	DESCRIERE
	Cablu FTC1OOM1 0,6/1 kV 2x10mmq Alimentarea iluminatului de urgenta circuit 1
	Cablu FTC1OOM1 0,6/1 kV 2x10mmq Alimentarea iluminatului de urgenta circuit 2
	Cablu FTC1OOM1 10x2,5mmq Alimentarea punctelor de referinta de iluminat si butoanelor de urgenta
•	Bult pentru cablu FTC1OOM1 2x10mmq Dotat cu conectori protectie IP68, emisii scazute de fum gaze si gaze toxice si fara gaze corosive in caz de incendiu
□	Cutie bult IP65 otel inoxidabil AISI 304 (clasa II) montat pe peretele tunelului folosind bare de otel inoxidabil Cablu FTC1OOM1 2x10mmq cu emisii scazute de fum si gaze toxice controlul lamplor si cutie (dimensiuni 200x150x110) fiecare lupta de referinta/buton de urgenta
o^{PL}	Butonul de urgenta cu dubla izolatie si indicator cu led albastru protectie IP68
$\boxtimes_{LS}$	Iluminatul de urgenta cu lupta fluorescenta compacta 18W, IP66, dubla izolatie, balast electronic, si conector de 10A (IP67)
$\blacksquare_{LR}$	Punctul de iluminat de referinta cu lupta pluorescenta compacta 18W, IP66, dubla izolatie, balast electronic, si conector de 10A (IP67)
	SHELTER LUMINARE lampa fluorescenta 2x36W, IP 65, izolatie dubla (clasa II)
	Panouri de priza: n° 1 3P+T ~ standarde de interbloccare 16A IEC 309 n° 1 3P+T ~ standarde de interbloccare 16A ! 309

LABEL	
SIMBOL	DESCRIPTION
	Cable FTC1OOM1 0,6/1 kV 2x10mmq Power supply of EMERGENCY LIGHTS circuit 1
	Cable FTC1OOM1 0,6/1 kV 2x10mmq Power supply of EMERGENCY LIGHTS circuit 2
	Cable FTC1OOM1 10x2,5mmq Power supply of the REFERENCE POINT LIGHTS and of the EMERGENCY PUSH-BUTTONS
•	Shunt joint from main cable FTC1OOM1 2x10mmq with low emission of smoke and toxic gases low emission of opaque smoke and toxic gases and without corrosive gases in case of fire
□	Shunt box IP65 stainless steel AISI 304 (class II) mompt on the tunnel wall using stainless steel bars FTC1OOM1 2x10mmq cable with low emission of smoke, control of the lamps (box size (size 200x150x110) for each reference lamp/emergency button)
o^{PL}	Emergency push-button with double isolation and blue led indicators IP68 protection
$\boxtimes_{LS}$	EMERGENCY LIGHT with compact fluorescent lamp 18W, IP66, double insulation, electronic ballast, and connector 10A (IP67)
$\blacksquare_{LR}$	REFERENCE POINT LIGHT with compact fluorescent lamp 18W, IP66, double insulation, electronic ballast, and connector 10A (IP67)
	SHELTER LUMINAIRE fluorescent lamp 2x36W, IP 65, double insulation(class II)
	Socket panel: n° 1 3P+T ~ interlocked 16A IEC 309 standards n° 1 3P+T ~ interlocked 16A IEC 309 standards

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 FINANTAT DE UNIUNEA EUROPEANĂ / EUROPEAN UNION FINANCED PROJECT

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

CLIENT / CLIENT

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	19-12-2011	
Aprobat / Approved	Coordonator Sectiunea 1 / Section 1 Coordinator	C. Gambelli	19-12-2011	
Verificat / Checked	Expert Check / Key Expert	G. Guidi Buffarini	15-12-2011	
Aprobat / Approved	Coordonator cu sistemele de energie de joasa si inalta tensiune / Low and High Voltage Power Supply Coordinator	M. Castellani	15-12-2011	
Semnat / Elaborated	Proiectant / Designer	M.Schembari	15-12-2011	

Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulaţia trenurilor cu viteza maxim 8 de 160 km/h,
Tronsonul : Brasov-Sighisoara
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

Proiect/Project: 2004/RO/016/PAN/003

Faza / Phase: P.Th. / T.D.

Denumire desen / Drawing Title :

Iluminatul de urgenta inTunelul Archita 1 ; planul general si detaliile de instalatii

Archita 1 Tunnel Emergency Lighting: layout and installation details

Codificare / Codification System

Scara / Scale: —

E A 5 1 0 1 C 1 4 A X E G 0 0 2 6 0 0 1 0