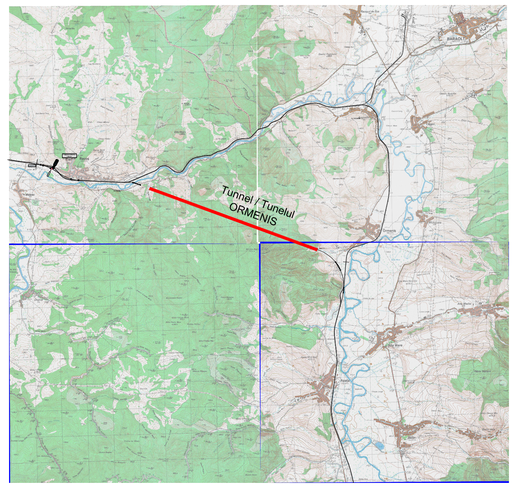
GENERAL PLAN / PLANUL GENERAL



NOTES/NOTE:
- (*) ON TOWER LIGHT / PE LUMINA TURN
- THE CAMERAS WILL BE INSTALLED AT A HEIGHT OF ABOUT 5M/CAMERELE VOR FI INSTALATE LA O ÎNĂLȚIME DE APROXIMATIV 5M
- CONDUITS WILL BE PLACED OUTSIDE THE DEPTH TO A 'MINIMUM OF 500MM /CONDUCTE VA FI PLASAT ÎN AFARA ADÂNCIMEA LA UN NIVEL MINIM "A 500MM

COLORS LEGEND/COLOR CHEIE

LIGHT DRIVING FORSE SYSTEM/SISTEMUL DE LUMINA FORTA MOTRICE(LFM)
SUPERVISION SYSTEM/SISTEMUL DE SUPERVEGHERE (LFM)
EMERGENCY TELEPHONE AND SOUN DIFFUSION SYSTEM/SISTEME DE TELEFON DE URGENTA SI DUFUZARE DE SUNET (TEM_DS)
INTRUSION, ACCESS CONTROL AND VIDEO SURVEILLANCE SYSTEMS/ SISTEMUL DE EFRACTIE, CONTROL ACCES SI SUPERVEGHERE
FIRE DETECTION SYSTEM/SISTEMUL DE DETECTIE INCENDIU
GSM/UMTS RADIO SYSTEM/SISTEMUL DE RADIO GSM/UMTS
FIRE PROTECTION SYSTEM/SISTEMUL DE INCENDIU
VENTILATION SYSTEM/SISTEMUL DE VENTILATIE
EMERGENCY DATA NETWORK SYSTEM/SISTEMUL DE RETEA DE DATE DE URGENTA

indicator cable ducts/cablu indicator

A| B-C
D| E

A – LEGEND NETWORKS / LEGENDA RETELE
MT MEDIUM TENSION / MEDIE TENSIUNE
BT LOW TENSION / JOASĂ TENSIUNE
IE OUTDOOR LIGHTING / ILUMINAT EXTERIOR
IL TUNNEL LIGHTING / ILUMINAT TUNELURI
TT TELECOMMUNICATIONS SYSTEMS / SISTEME DE TELECOMUNICAȚII
R RESERVE / REZERVĂ

B – LEGEND TYPE / CHEIE DE TIP
TFPE FLEXIBLE TUBE POLYETHYLENE / FURTUN POLIETILENA
CAP FULL STAINLESS STEEL CHANNEL WITH COVER / CANAL FULL INOX CU INTENTIE
CAF EMPTY STAINLESS STEEL CHANNEL WITH COVER / CANAL GOL INOX CU INTENTIE
CAZSP FULL CHANNEL STEEL GALVANIZED SENZOMIR WITH COVER / OTEL U FULL ZINCATE SENZOMIR CU INTENTIE
CAZSF HOLE CHANNEL GALVANIZED SENZOMIR / HOLE CHANNEL ZINCATE SENZOMIR
TAI STAINLESS STEEL TUBE / TUB INOX

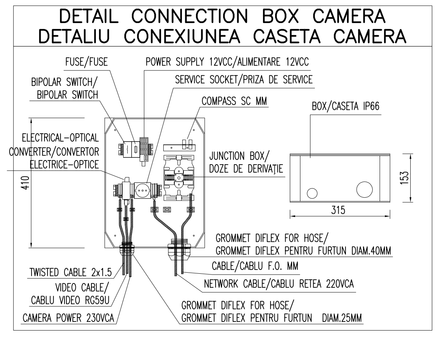
C – LEGEND PLACEMENT / CHEIE DE INSTALARE
INT UNDERGROUND / SUBTERANE
SPS MOUNT VIEW / MOUNT VEDEREA
CUN WITHIN BURROWS OR UNDER TECHNICIAN FLOOR / ÎN CADRUL BURROWS TEHNICIAN PODEA SAU SUB

D – SEPTA NUMEBER / NUMĂRUL SEPTURI
E – NUMBERS AND DIMENSIONS (mm) / NUMĂRUL DIMENSIUNI (mm)

SYMBOLS LEGEND/LEGENDA SIMBOLURI
SAFE AREA SYSTEM/SISTEME DE ZONA SIGURA

	WELL WITH CONCRETE MANHOLE DIMENSIONS/ BINE CU CAMINE CONCRETE DIMENSIUNI : [1] 400x400 MM [2] 600x600 MM [3] 1000x1000 MM
	PIPELINE TT/PIPELINE TT
TEM	TELEPHONE COLUMN TEM_DS/COLOANA DE TELEFON TEM_DS
	SPEAKER HORN WITH POWER/DIFUZOR HORN CU PUTERE P=30 W
	COLOR FIXED CAMERA/CAMERĂ FIXA COLOR
	CAMERA COLOR PTZ /CAMERĂ CULORI PTZ DOME –[D] PTZ [P]
A	ON/OFF ALARM POINT WITH BADGE/PUNCTUL ACTIVAREA- OPRITAL ALARMĂ CU BADGE
T	TELEPHONE STS/TELEFON STSI
	ANTENNA UMTS/GSM ANTENA UMTS/GSM
	TOWER GATE ANTENNA FOR GSM AND GSM–R H=30M F.T./TURNUL DE POARTA ANTENNA PENTRU GSM SI GSM–R H=30M F.T.
	FIBERGLASS POLE H=5M F.T./POLE DIN FIBRA DE STICLA H=5M F.T.
X	CONNECTING X A SPEAKER/CONECTAREA X UN VORBITOR

DETAIL CONNECTION BOX CAMERA
DETALIU CONEXIUNEA CASETA CAMERA



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

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		
Aprobat Approved	Coordonator Secţiune 1 Section 1 Coordinator	C. Gambelli		
Verificat Checked	Tunel Expert Tunnel Expert	C. Gambelli		
Întocmit Elaborated	Proiectant Designer	P. Amodio		

SUBCONSULTANT / SUBCONSULTANT

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible			
Întocmit Elaborated	Proiectant Designer			

Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulaţia trenurilor cu viteza maximă de 160 km/h. Secţiune 1 Braşov - Sighioara

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 1 Brasov - Sighioara

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

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

Denumire desen / Drawing Title : **TUNNEL/TUNELUL ORMENIS**
ORMENIS SIDE/INSPRE ORMENIS
Radiocommunication systems/Sisteme radio
Layout plan radiocommunication and security system/Plan de situatie Sisteme radio si de securitate

Codificare / Codification System

Scara / Scale	LOT	Nr. / No
1:250		

E A 5 1 | 0 1 | C | 1 0 | L X | T S | 1 0 | 2 | 4 | 0 0 1 | 0