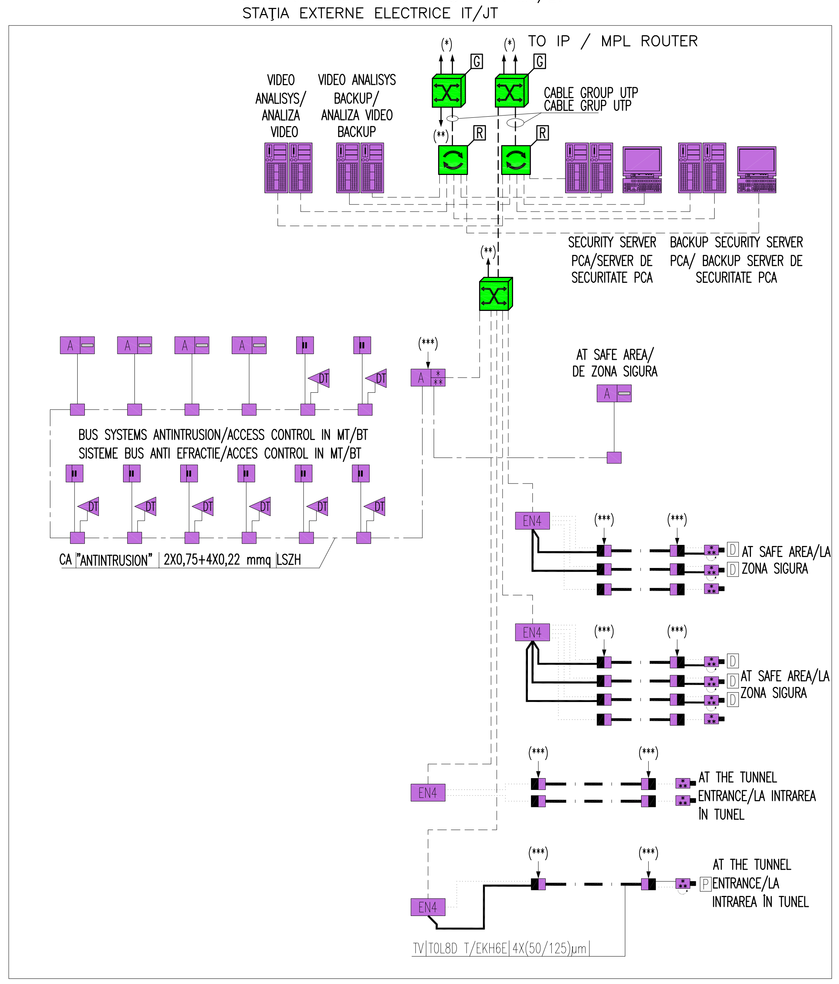
SAFE AREA/ZONA SIGURA

EXTERNAL ELECTRICAL SUBSTATION MV/LV
STAŢIA EXTERNE ELECTRICE IT/JT



SAFE AREA/ZONA SIGURA

EXTERNAL ELECTRICAL SUBSTATION MV/LV
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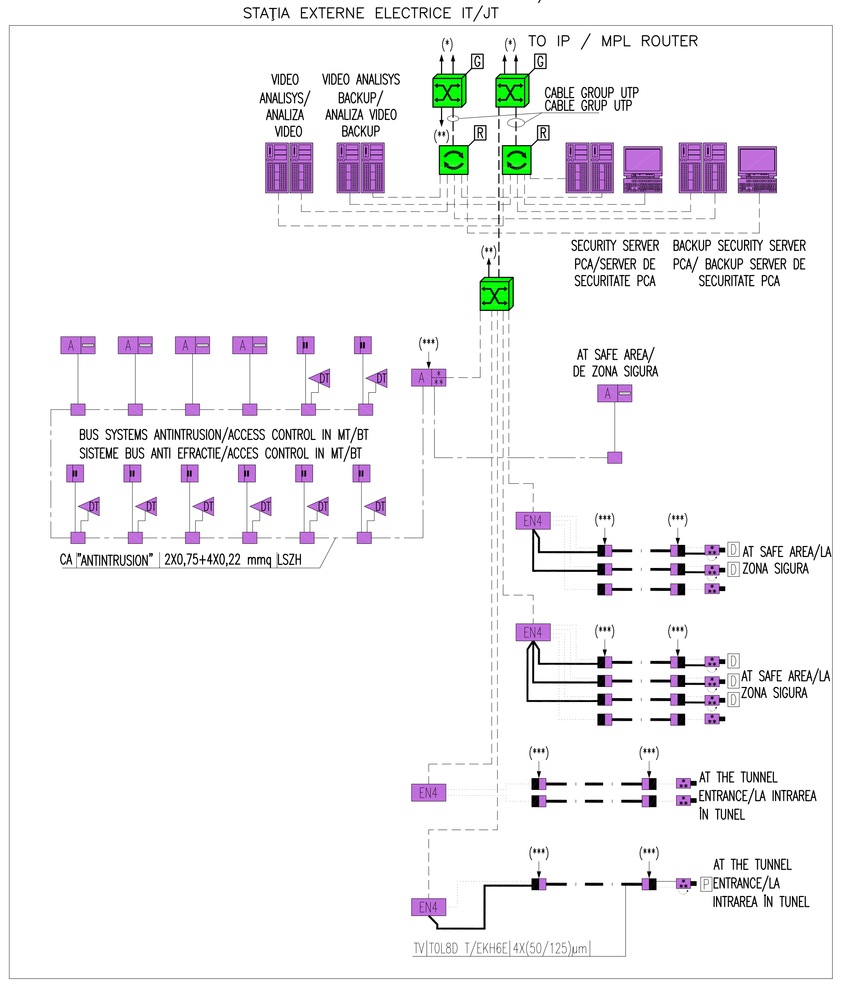
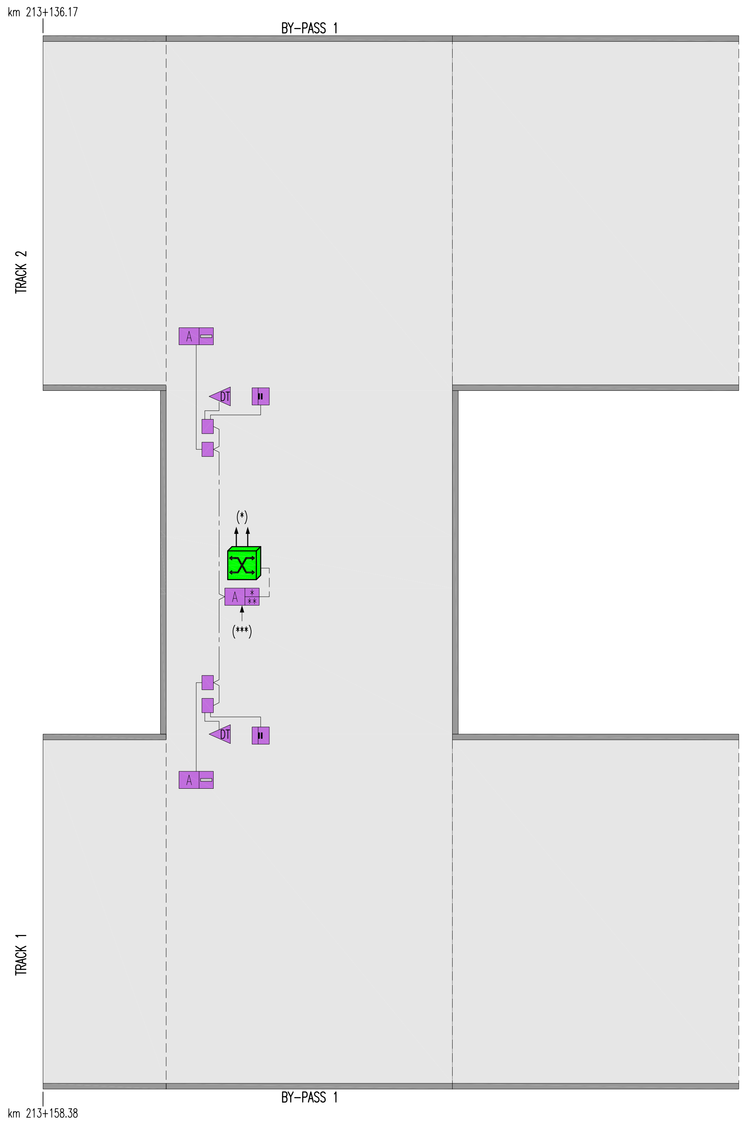
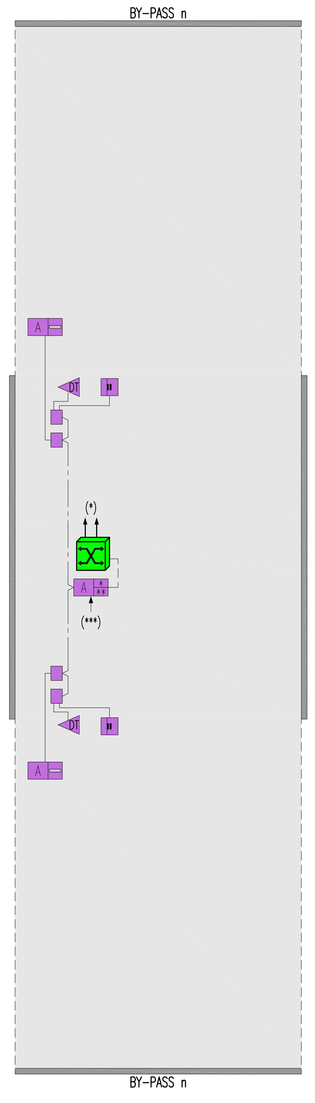
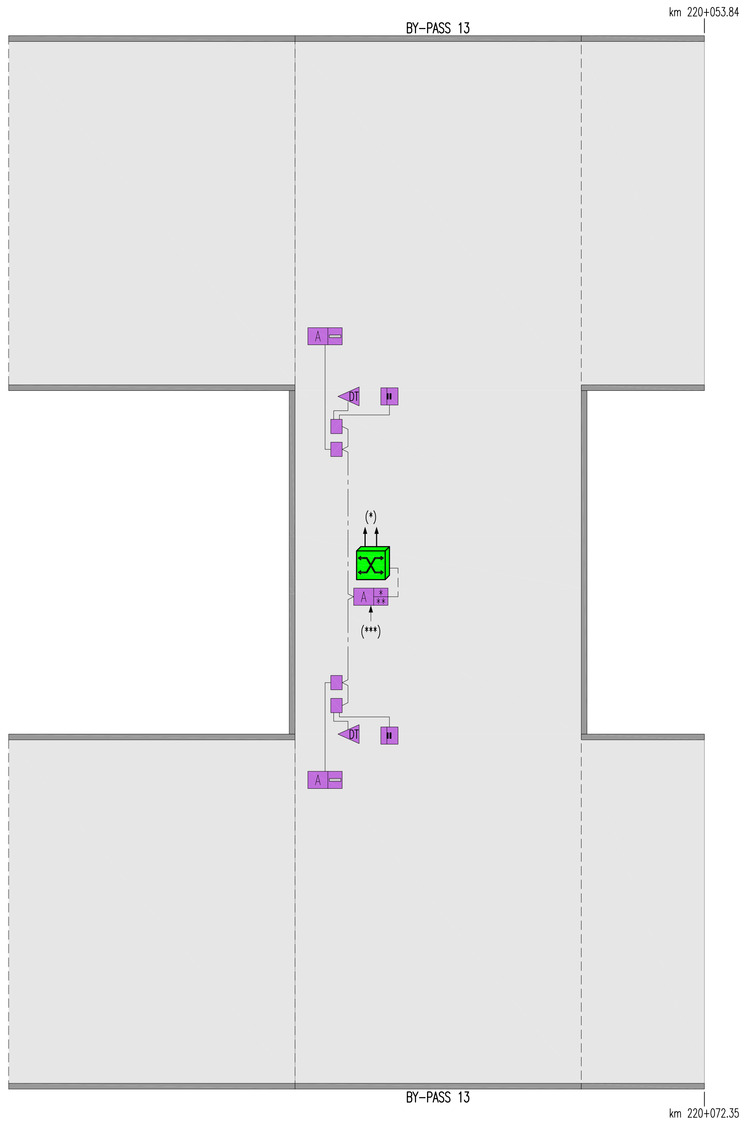
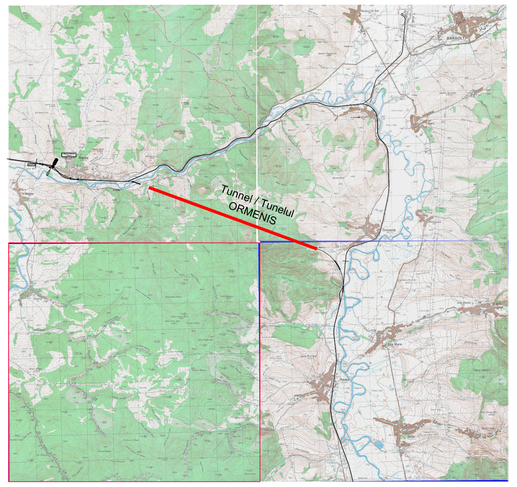








GENERAL PLAN / PLANUL GENERAL



LEGEND NETWORKS/LEGENDA OBIECTIVE

	ON ETHERNET CABLE CAT 6 UTP/ON CABLU ETHERNET CAT 6 UTP
	ETHERNET FIBER OPTIC/ETHERNET FIBRA OPTICA
	CABLE FIBER OPTIC MULTIMODE/CABLU OPTIC FIBRA MULTIMOD
	BUS SYSTEMS ANTINTRUSION-ACCESS CONTROL/SISTEME BUS ANTI-EFRACŢIE -ACCES CONTROL
	WIRING DEVICES ANTINTRUSION-ACCESS CONTROL/DISPOZITIVE WIRING ANTI-EFRACŢIE-ACCES CONTROL
	RG59 CABLE FOR VIDEO SIGNALS/RG59 PRIN CABLU PENTRU SEMNALE VIDEO
	RS485 SERIAL NETWORK/RS485 SERIAL REŢEA

LEGEND SYMBOL/LEGENDA SIMBOLURI

	ACTIVE EQUIPMENT/ACTIVE UTILAJE SWITCH NODE /SWITCH NOD G GENERAL SWITCH TUNNEL NETWORK/SWITCH GENERALE TETEA DE TUNELUL R SWITCH TO CROSSROADS/SWITCH LA CROSSROADS
	PASSIVE SYSTEM PATCH/PASIV SISTEM PATCH R CABLE UTP CAT.6/CABLE UTP cat.6 O FIBER OPTIC CABLE (MULTIMODE AND-OR SINGLEMODE)/CABLU DE FIBRA OPTICA (MULTIMODE SI / SAU SINGLEMODE)
	COLOR FIXED CAMERA/CAMERĂ FIXA COLOR
	CAMERA COLOR PTZ /CAMERĂ CULORI PTZ D DOME - P PTZ
	INTERFACE I/O FIELD/INTERFACE I/O CÂMPUL
	SIGNAL CONVERTER: OPTICAL FIBER ELECTRICAL-MULTIMODE/SEMNAL CONVERTOR: ELECTRIC-MULTIMODE FIBRA OPTICA
A	ON/OFF ALARM POINT WITH BADGE/PUNCTUL ACTIVAREA- OPRITAL ALARMĂ CU BADGE
A	ACCESS CONTROL AND INTRUSION DETECTION UNIT/CENTRAL DE CONTROLUL ACCES SI DE DETECTIE A INTRUZIUNILOR
	VOLUMETRIC DUAL TECHNOLOGY SENSOR/SENSOR VOLUMETRICA DUBLA TEHNOL.
	STATE DOOR DETECTOR/DETECTOR STAT UŞĂ
EN4	ENCODER FOR N4 VIDEO INPUTS AND/OR A SERIAL INPUT WITH OUTPUT ETHERNET/ENCODER PENTRU N 4 INTRARI VIDEO SI/SAU A INPUT SERIAL CU REZULTATE ETHERNET
	CLIENT
	SERVER

NOTE/NOTE:
- (*) CONNECTED TO THE EMERGENCY DATA NETWORK/CONECTAT LA RETEAUA DE DATE DE URGENTA
- (**) CONNECTED TO THE SAFE AREA EMERGENCY DATA NETWORK/CONECTAT LA RETEAUA DE DATE DE URGENTA DE PLATA
- (***) POWER SUPPLY Q_BT/QDB / SURSA DE ALIMENTARE Q_BT/QDB

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 FINANŢAT 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		
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 - 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 1 Brasov - Sighisoara

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

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

Denumire desen / Drawing Title : **TUNNEL/TUNELUL ORMENIS**
NATURAL TUNNEL/TUNELUL NATURAL
Security systems/Sistem de securitate
Diagrams Security systems: Intrusion, access control, video surveillance
Diagrame Sistemul de securitate:efracţie, control acces, supraveghere video

Codificare / Codification System	Scara / Scale	LOT	Nr. / No
E A 5 1 0 1 C 1 0 L X T S 1 0 1 2 0 0 2 0	-		