Macaz circulat Running points	Macaz de acoperire Catch points	Sectiune fara gabarit Gaugeless section
−1T/9T	+3T/7T	−
−3T/7T	+1T/9T	−
+11T	−	13T−25T SI
+31T	+29T/S1T	
+45T	+37T/43T	−
−47T/51T	+37T/43T	−
−3/9	+11/17	−
−11/17	+3/9;+5/13;+25	−
+15	+25	−
−15;−25	+11/17;+19/S3;+S1	−
+25	+15	−
−19/S3	+S1	−
−29	+31/35	−
−31/35	+S5	−
−39/51	−49	−
−45/59	+39/51	−
−47/61	+37/43;+55/69	
−49	−	39 SI
−53/67	+45/59	47−59 SI
−55/69	+65/77	65−67 SI
−63/75	−	77 SI
−65/77	−	63 SI
+71;+73	+83/87	−
−83/87	+79/85	−

Macaz circulat Running points	Macaz de acoperire Catch points	Sectiune fara gabarit Gaugeless section
−2/6	+12/16	−
−4/8	+2/6;+10/14	−
−10/14	+12/16;+4/8	−
−12/16	+2/6	−
−18/24	−20	−
−20	−	24SI
−28/36	+40/54	−
−32	−	44SI
+32	+40/54	40SI
−34	+42/50	−
+34	−	46−48SI
−40/54	−46	−

LEGENDA−SYMBOLS

SEMNAL DE CIRCULATIE PE CATARG
MAIN SIGNAL ON MAST

FOC GALBEN, VERDE, ROSU, ALB, ALBASTRU, INDICATOR CIRCULATIE PE STANGA
YELLOW, GREEN, RED, WITHE, BLUE, TRAFFIC ON LEFT INDICATOR LAMP

INDICATOARE DE VITEZA
SPEED AND PRESPEED INDICATORS

−INDICATOR DE DIRECTIE
−INDICATOR PENTRU SEMNALIZAREA IESIRII TRENURILOR PE LINIA DIN STANGA A CAII DUBLE
−INDICATOR DE DIRECTIE SI SEMNALIZAREA IESIRII TRENURILOR PE LINIA DIN STANGA A CAII DUBLE/INDICATOR DE LINIE
−LINE INDICATOR
−DIRECTION INDICATOR FOR THE LEFT TRACK OF DOUBLE LINE
−LINE AND DIRECTION INDICATOR FOR THE LEFT TRACK OF INDICATED LINE/ TRACK INDICATOR

X3
SEMNAL CU DRUM DE ALUNECARE FIZIC
INDICATOR FOR PHYSICAL OVERLAP IN ALL ROUTES

Y1
SEMNAL CU DRUM DE ALUNECARE FIZIC NUMAI PENTRU PARCURSURI IN ABATERE
INDICATOR FOR PHYSICAL OVERLAP FOR ROUTES IN DEVIATION ONLY

M98
DISTANTA DE SIGURANTA PENTRU PARCURS DE MANEVRA
INDICATOR FOR SAFETY DISTANCE FOR SHUNTING ROUTE

SEMNAL REPETIROR
REPEATOR SIGNAL

SEMNAL DE MANEVRA PITIC / PE CATARG
SHUNTING SIGNAL ON GROUND / MAST

OPRITOR
DEAD END

1/2 0,5
INDUCTOR INDUSI 500Hz SAU 1000/2000Hz
500Hz OR 1000/2000Hz INDUSI INDUCTOR

MARCA DE SIGURANTA
FOUL POINT

LINIE ELECTRIFICATA
ELECTRIFIED RAILWAY

LIMITA ELECTRIFICARII LINIEI
LIMIT OF ELECTRIFIED TRACK

CM
COLOANA DE MANEVRA
SHUNTING PANEL

MACAZ SIMPLU CENTRALIZAT
CENTRALIZED SINGLE POINT

MACAZ DUBLU CENTRALIZAT
CENTRALIZED DOUBLE POINT

MACAZ NECENTRALIZAT
UNCENTRALIZED POINT

SABOT DE DERAIERE
DERAILER

JOANTE IZOLANTE
INSULATED JOINTS

JOANTA IZOLANTA FARA GABARIT
GAUGELESS INSULATED JOINT

INDICATOR DE AMPLASARE SEMNAL PE STANGA
INDICATOR FOR LEFT SIGNAL

A
INDICATOR "ASTEAPTA"
INDICATOR "WAITING"

S
GRANITA INSTALATIEI DE CENTRALIZARE ELECTRONICA
ELECTRONIC INTERLOCKING BORDER

MACAZURI(2A,16A), CIRCUITE DE CALE(16A 02) SEMNALE(M2A,M12A) NOI
NEW POINTS(2A,16A), TRACK CIRCUITS(16A 02), SIGNALS(M2A,M12A)

NOTA:
Introdus macazurile 2A, 16A, semnalele de manevra M2A, M12A, Opritorul O4 si sectiunile izolate 02, 16A
The points 2A,16A, the shunting signals M2A, M12A, the stopper and the insulated sections 02, 16A were introduced

Plan de referinta ALCATEL ESTW L90 RO-BV-1.1
Reference drawing ALCATEL ESTW L90 RO-BV-1.1

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

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	01.2012	
Aprobat Approved	Coordonator Secţiune 1 Section 1 Coordinator	C. Gambelli	01.2012	
Verificat Checked	Expert Cheie Key Expert	P. Amodio	01.2012	

SUBCONTRACTANT / SUBCONTRACTOR

AREX COMPANY

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A. Stanciu - Dinulescu	01.2012	
Întocmit Elaborated	Proiectant Designer	ing. Teodorescu Viorel	01.2012	

Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulaţia 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:
P.Th. / T.D.

Denumire desen / Drawing Title :

Statia / Station BRASOV
Schita statiei cu semnalizarea
Signaling sketch

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

EA51 01 C 01 UX SE 00 1 2 001 1