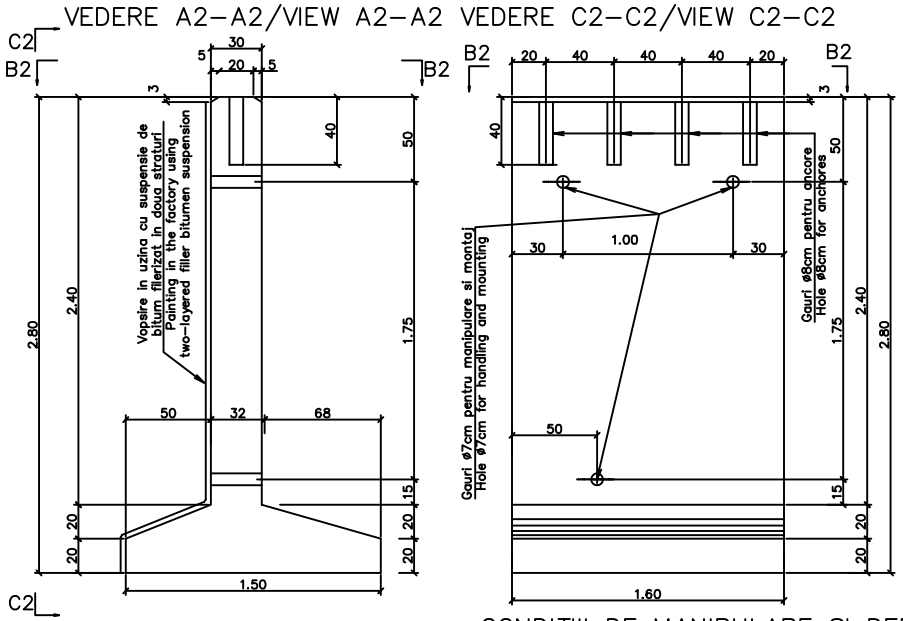
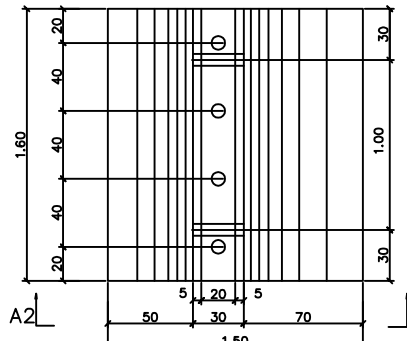
ELEVATIE PREFABRICATA L2/L2 PREFAB ELEVATION

VEDERE A2–A2/VIEW A2–A2 VEDERE C2–C2/VIEW C2–C2



VEDERE B2–B2/VIEW B2–B2



NOTA :

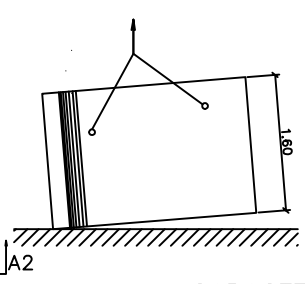
1. Tronsoanele de elevatie prefabricate se vor vopsi in uzina, cu suspensie de bitum filerizat in doua straturi pe fetele indicate in plansa.
2. Pentru manevrarea in uzina si pe santier s–au prevazut goluri ø7cm in elementele prefabricate care dupa montarea in lucrare, se vor umple cu mortar de ciment.
3. Elementele prefabricate se vor aseza, pana la introducerea in opera, pe calaje astfel incat talpa sa nu se murdareasca.

NOTE :

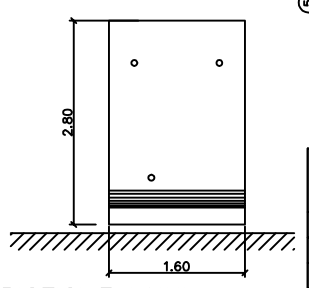
1. The prefab sections of the elevations will be painted in the factory using two–layered filler bitumen suspension on the sides indicated in the drawing.
2. For handling in the factory and on site, ø7cm holes were provided in the prefab elements that will be filled with cement mortar after mounting.
3. Before putting into the work, the prefab elements will be placed on supports to avoid the base getting dirty.

CONDITII DE MANIPULARE SI DEPOZITARE
HANDLING AND STORAGE CONDITIONS

LA TRANSPORT
TO TRANSPORT

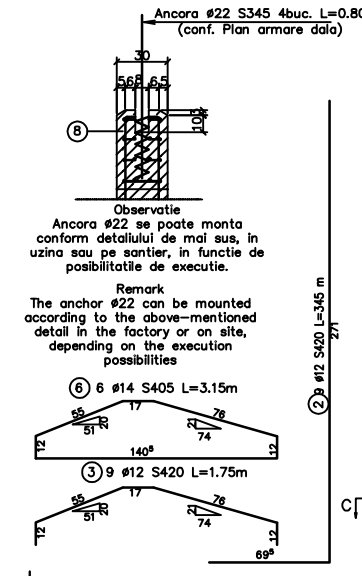


LA MONTARE
TO INSTALLATION



CARACTERISTICILE UNUI PREFABRICAT
CHARACTERISTICS OF A PREFAB ELEMENT

1	VOLUM DE BETON/ CONCRETE VOLUME	1,92m³
2	OTEL S420/S420 STEEL	75kg
3	OTEL S405/S405 STEEL	45kg
4	OTEL S255/S255 STEEL	85kg
5	COFRAJE/SHUTTERING	15,25m²
6	GREUTATE/WEIGHT	4,80t



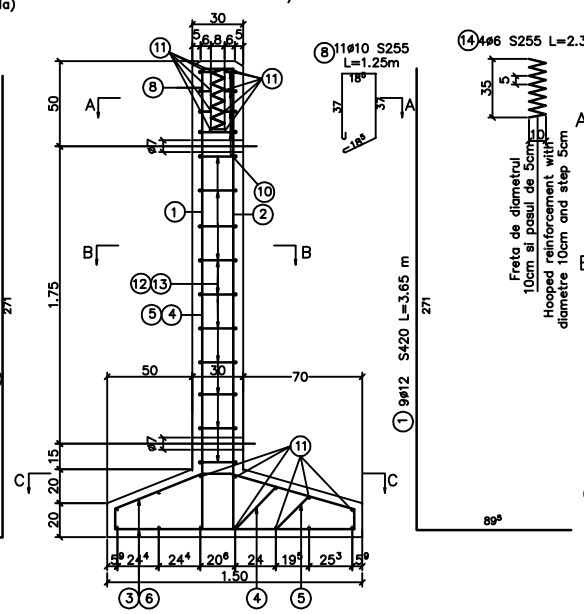
EXTRAS DE ARMATURA S255
STANDARD FOR REINFORCEMENT

Marca Mark	ø (mm)	Buc. asem. Similar	Lungimi pe buc. Length/pcs.	Lungimi totale pe ø Length/diameter ø6	ø8	ø10
8	10	11	1.25			13.75
9	8	24	0.35		8,40	
10	10	4	3.60			14,40
11	10	24	1.65			39.60
12	10	20	1.70			34,00
13	10	10	2.15			21.50
14	6	4	2.30	9,20		
Lungimi totale pe ø				9,20	8,40	123,25
Greutate specifica (Kg/ml)				0.222	0.395	0.617
Greutate totala pe ø				3	5	77
TOTAL S255pt. 1prefabricat/for 1precast= 85Kg						

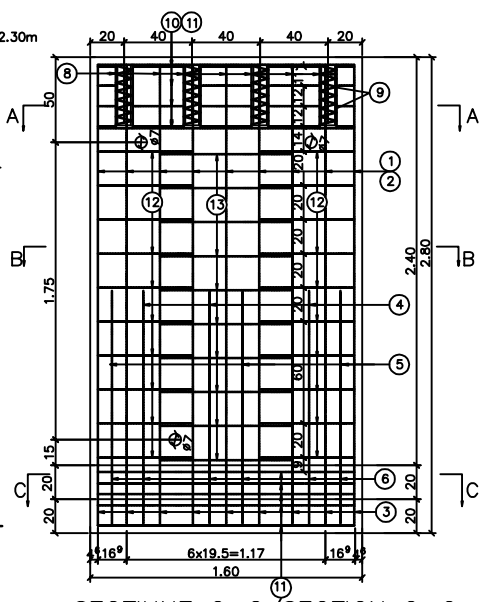
LEGENDA BETOANELOR
CONCRETE LEGEND

Beton armat element prefabricat
Reinforcement concrete precast element
C 35/45 – CEM II A S 32.5 – (XC4+XF3+XA1)
A/C=0.50 – Dmax 22 – Cl 0.20

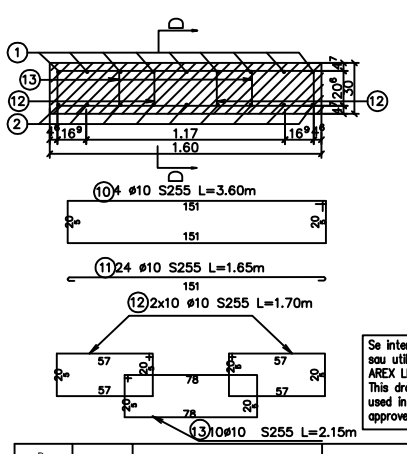
SECTIIUNE D–D/SECTION D–D



ELEVATIE/ELEVATION



SECTIUNE B–B/SECTION B–B



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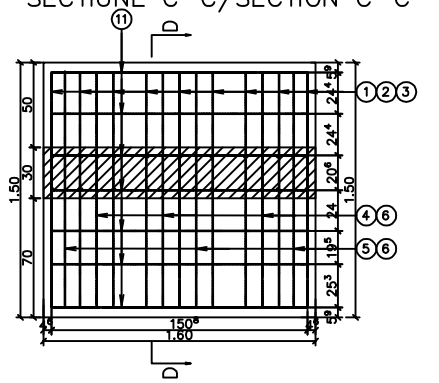
EXTRAS DE ARMATURA S405/S420
STANDARD FOR REINFORCEMENT

Marca Mark	ø (mm)	Buc. asem. Similar pieces	Lungimi pe buc. Length/pcs. (m)	Lungimi totale/pe ø Length / diameter S420 ø12	S405 ø14
1	12	9	3.65	32.85	
2	12	9	3.45	31.05	
3	12	9	1.75	15.75	
4	14	3	2.45		7.35
5	14	3	2.40		7.20
6	14	6	3.15		18.90
Lungimi totale pe ø				79,65	33,45
Greutate specifica (Kg/ml)				0.888	1.21
Greutate totala pe ø				75	45
TOTAL S420 pt. 1prefabricat/for 1precast=75Kg S405 pt. 1prefabricat/for 1precast=45Kg					

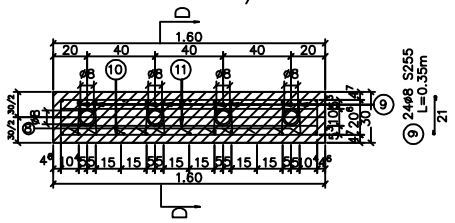
CLASA DE DURABILITATE/CLASS
DURABILITY: D32/45a(XC4+XF3+XA1)
ACOPERIRE/COVERAGE: 4 cm S4(XC4+XF3+XA1)
pentru o durata de viata de 50 ani/for a life duration of 50 years
OTEL BETON/CONCRETE STEEL –S255; S420; S405
BETON/CONCRETE – C 35/45

CLASA DE PRECIZIE/CLASS PRECISION = 7
CONFORM/ACCORDING SR EN 13369–89

SECTIUNE C–C/SECTION C–C



SECTIUNE A–A/SECTION A–A



D					
C					
B					
A	12.2011	Revizia 1	Balan Carmen		
Indice Index	Data Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANTAT DE UNIUNEA EUROPEANA
EUROPEAN UNION FINANCED PROJE

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 Aprovved	Coordonator Secţiune 1 Section 1 Coordinator	C. Gambelli		
Verificat Checked	Expert Cheie Checking Expert	V. Kalidromilis		

SUBCONTRACTANT / SUBCONTRACTOR

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A. Dinulescu Stanciu	11.2011	
Întocmit Elaborated	Proiectant Designer	Balan Carmen	11.2011	

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 :

PLAN COFRAJ SI ARMARE ELEMENT PREFABRICAT L2
SHUTTERING AND REINFORCEMENT PLAN FOR PRECAST ELEMENT L2

Codificare / Codification System	Scara / Scale 1:20	LOT / LOT	Nr. / No 01 / 01
E A 5 1 01 E 00 BC PO 00 0 0 006 1			