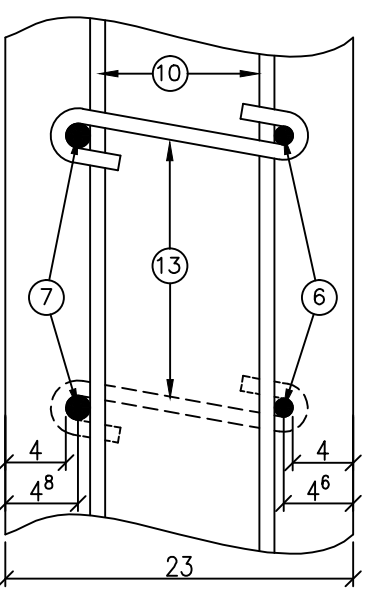


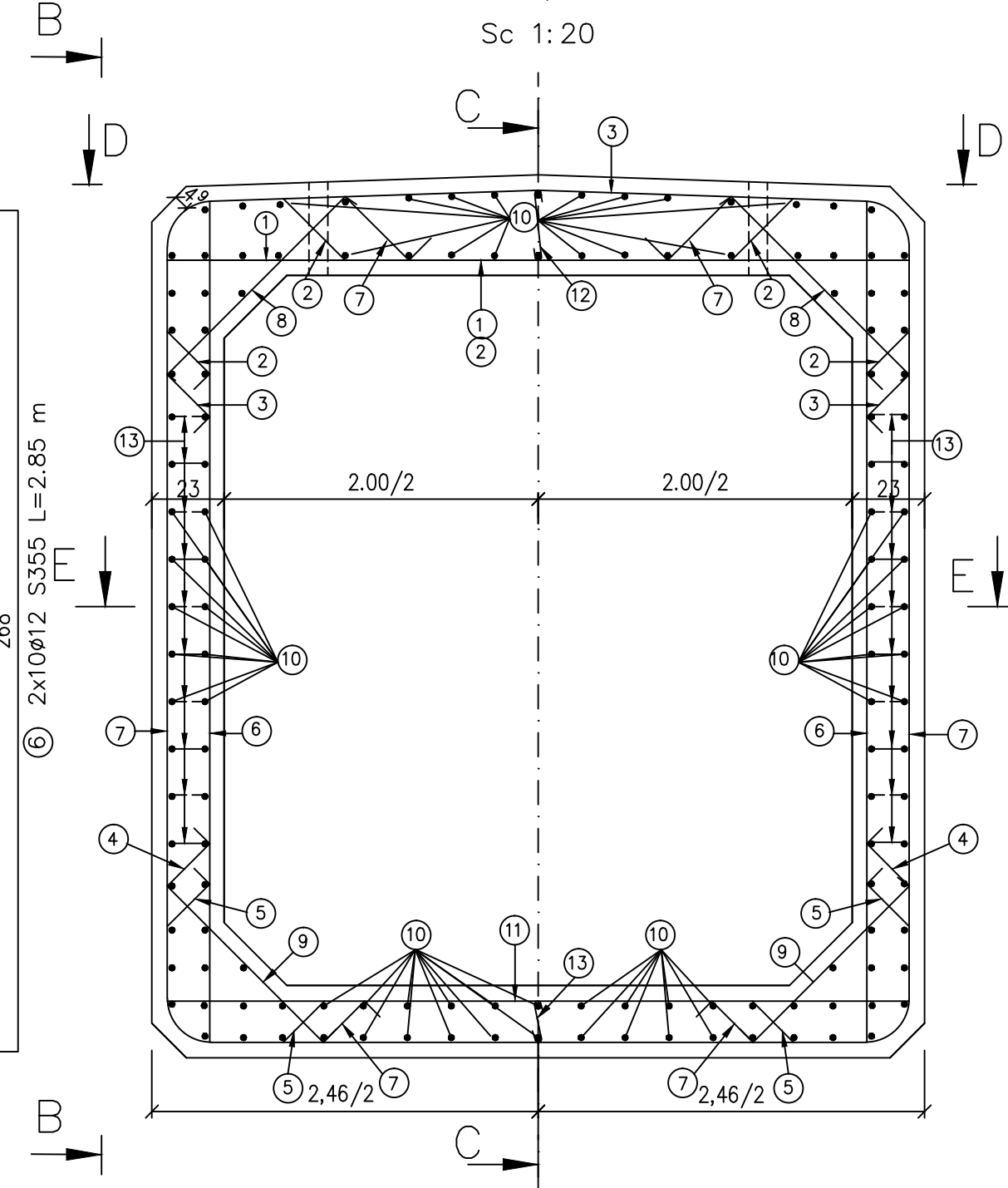
DETALIU DE PRINDERE AGRAFELOR DE PERETE  
DETAIL TO FASTEN THE WALL CRAMPS

DETALIU DE COLT  
CORNER DETAIL

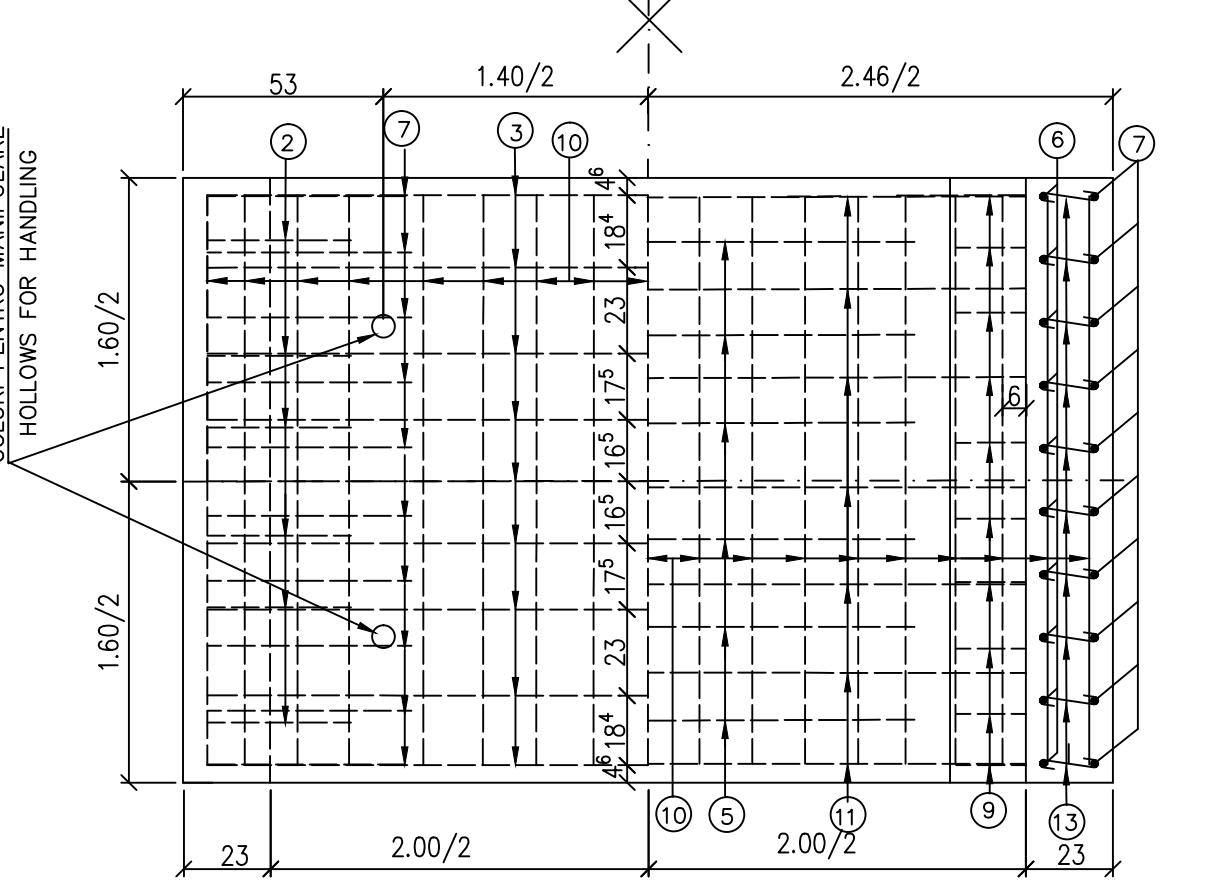


CLASA DE DURABILITATE/CLASS  
DURABILITY: D32/45a(XC4+XF3+XA1)  
ACOPERIRE/COVERAGE: 4 cm S4(XC4+XF3+XA1)  
pentru o durata de viata de 50 ani/for a life duration of 50 years  
ARMATURA/REINFORCEMENT - S255; S355; S345  
BETON/CONCRETE - C 35/45

SECTIUNE A-A/SECTION A-A

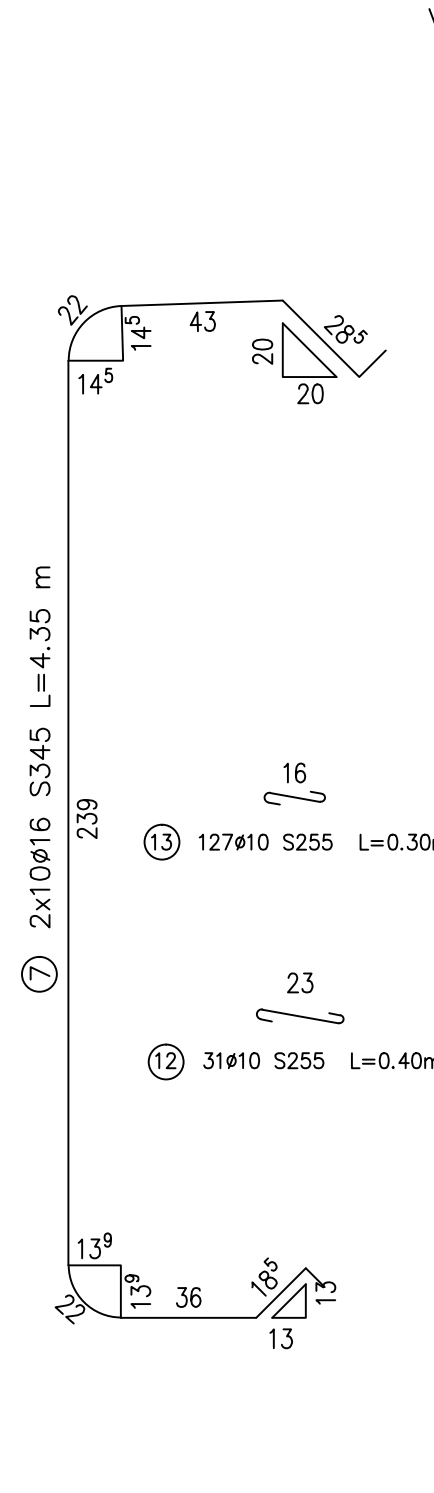


VEDERE D-D VIEW D-D SECTION E-E SECTION E-E

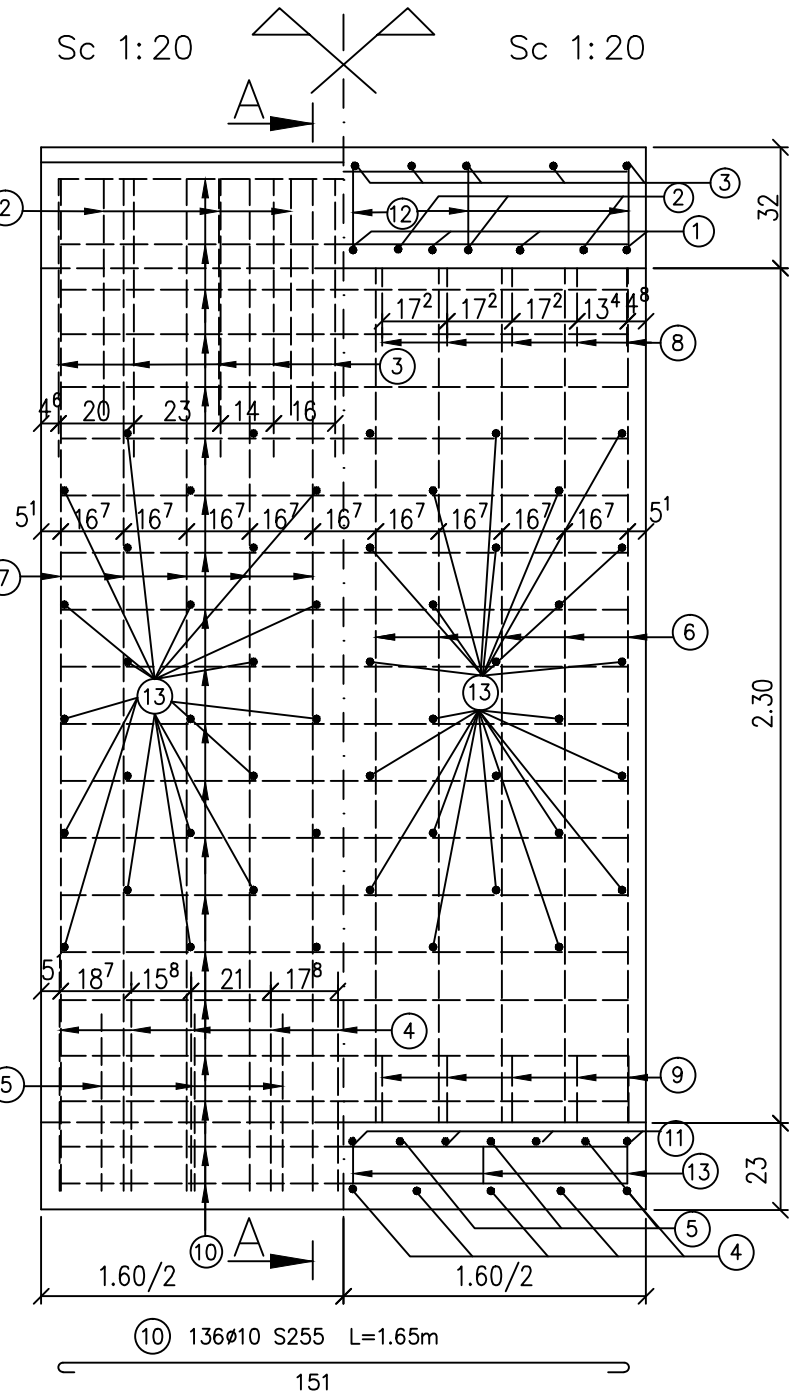


LEGENDA BETOANELOR  
CONCRETE LEGEND

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



VEDERE B-B VIEW B-B SECTION C-C SECTION C-C

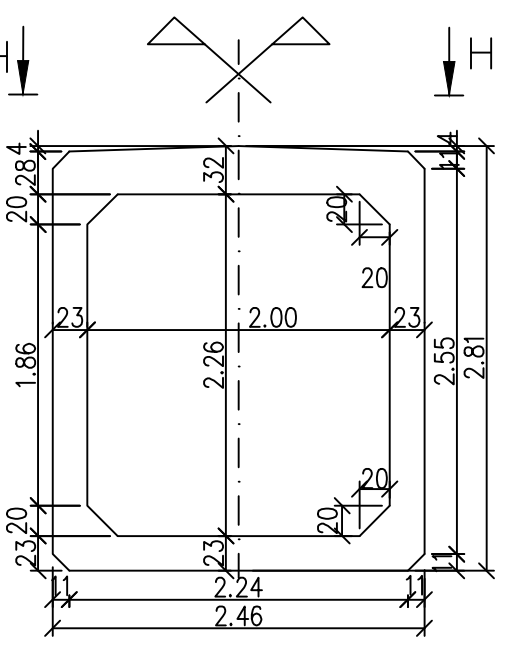


EXTRAS DE ARMATURA  
STANDARD FOR REINFORCEMENT

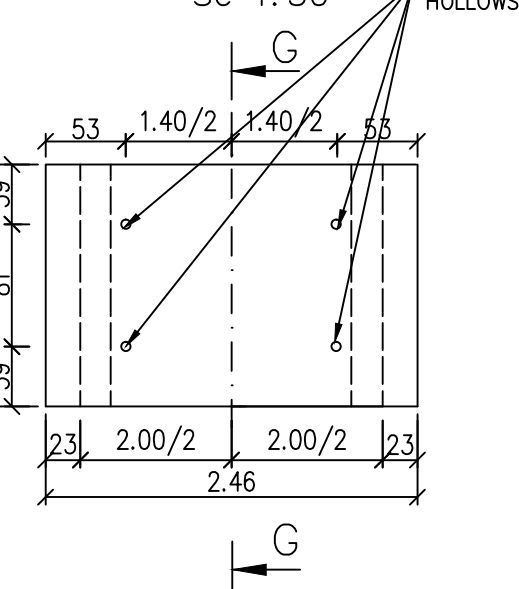
Marca Mark	Ø	Buc. asem. Similar pieces	Lung/buc Length/pcs.	Lungime/diametru Length/diameter		Length/diameter		
				S 255	S 355	Ø16	Ø18	Ø20
1	16	7	2.60					
2	18	6	3.90			18.20		23.40
3	12	9	3.90		35.10			
4	12	9	3.80		34.20			
5	16	6	3.75			22.50		
6	12	20	2.85		57.00			
7	16	20	4.35			87.00		
8	12	20	1.00		20.00			
9	12	20	0.90		18.00			
10	10	136	1.65	224.40				
11	20	7	2.65					18.55
12	10	31	0.40	12.40				
13	10	127	0.30	38.10				
Lungimi/diametru Length/diameter				274.90	164.30	127.70	23.40	18.55
Greutate/m.l. Weight / m.l.				0.395	0.888	1.578	1.998	2.466
Greutate/diametru Weight/diameter				110.00	146.00	202.00	47.00	46.00
Total S255				110.00 kg				
Total S355				146.00 kg				
Total S345				295.00 kg				
TOTAL				551.00 kg				

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

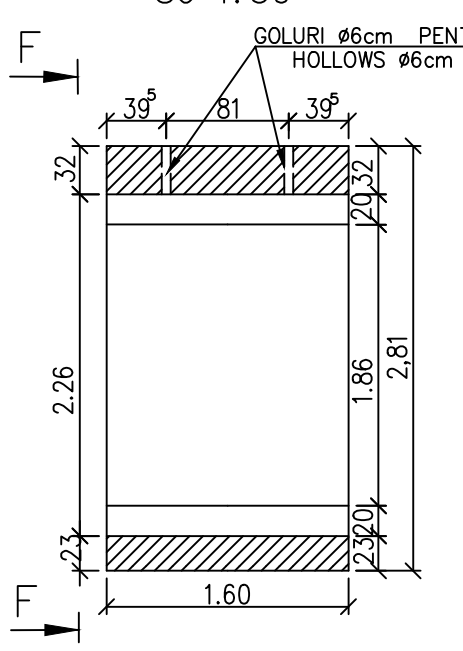
VEDERE F-F VIEW F-F



VEDERE H-H VIEW H-H



SECTIUNE G-G SECTION G-G



CARACTERISTICILE PENTRU UN ELEMENT PREFABRICAT TRONSON C2  
CHARACTERISTICS FOR ONE PREFAB ELEMENT, SECTION C2

Beton	3.84 m <sup>3</sup>
Armaturi S255	110.00 kg
Armaturi S355	146.00 kg
Armaturi S345	295.00 kg
Cofraj	34.25 m <sup>2</sup>
Greutate	9.6 t

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NOTA

- Dupa decofrare, peretii exteriori se vor vopsi cu solutie de bitum filerizat in dublu strat.
- Sapa hidroizolatoare si acoperirea de rost se vor executa pe santier, dupa asezarea elementelor pe blocul de fundatie.
- Pentru manevrarea prefabricatului se vor lasa patru goluri in placa superioara a cadrului, amplasate conform planului.
- Dupa montarea definitiva in amplasament a tronsoanelor, golurile vor fi umplute cu mortar.
- La elementul de beton C2 se aplica planul de timpan T2.
- Tronsoanele se vor aseza pe blocul de fundatie monolit prin intermediul unui strat de mortar de ciment. Mortarul se va pune in doua straturi; unul pentru nivelare si urmatorul strat de 1cm, pentru asezarea prefabricatelor.
- Inaintea aplicarii mortarului se va curata perfect suprafata de contact a betonului monolit.

NOTE

- After removing the shuttering, the outdoor walls will be filler bitumen painted in two layers.
- The waterproofing blanket and the joint covering will be carried out on site, after placing the elements on the foundation block.
- To handle the prefab, four hollows will be provided in the upper plate of the frame, being placed according to the plan.
- After the final mounting of the sections in the location, the hollows will be mortar filled.
- The tympanum plan T2 is to be applied to the concrete element C2.
- The sections will be placed on the cast-in-place foundation block using a cement mortar layer. The mortar will be placed in two layers, one for leveling and the other of 1cm in order to place the prefabs.
- Before applying the mortar, the contact surface of the cast-in-place concrete will be properly cleaned.

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 FINANȚAT DE UNIUNEA EUROPEANĂ EUROPEAN UNION FINANCED PROJECT

CFR  
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

Aprobat Approved	ef proiect Project manager	R. Liuzza	Date Date	Semn tur Signature
Aprobat Approved	Coordonator Sec iune 1 Section 1 Coordinator	C. Gambelli		
Verificat Checked	Expert Cheie Checking Expert	V. Kallidromitis		

SUBCONTRACTANT / SUBCONTRACTOR

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

Reabilitarea liniei de cale ferata Axiș - Simeria - Brașov - Sighișoara a coridorului IV Pan European, pentru circulația trenurilor cu viteză maximă de 160 km/h,  
Tronsonul : Brașov - Sighișoara  
Rehabilitation of the railway line Brașov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h,  
Section : Brașov - Sighișoara

Project/Project 2004/RO/16/P/PA/003  
Faza / Phase: P.Th. / T.D.

Denumire desen / Drawing Title :  
PLAN COFRAJ SI ARMARE PENTRU ELEMENT PREFABRICAT C2  
CONCRETE FORMING AND REINFORCEMENT PLAN FOR PRECAST ELEMENTS C2

Codificare / Codification System	Scara / Scale 1:20	LOT / LOT	Nr. / No 01 / 01
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E A 5 1 0 1 E 0 0 B C P O 0 0 0 0 0 0 1 1