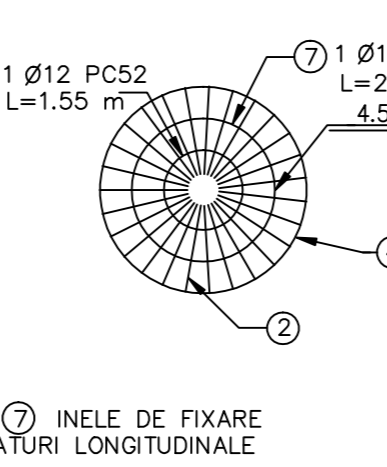


### VEDERE B-B



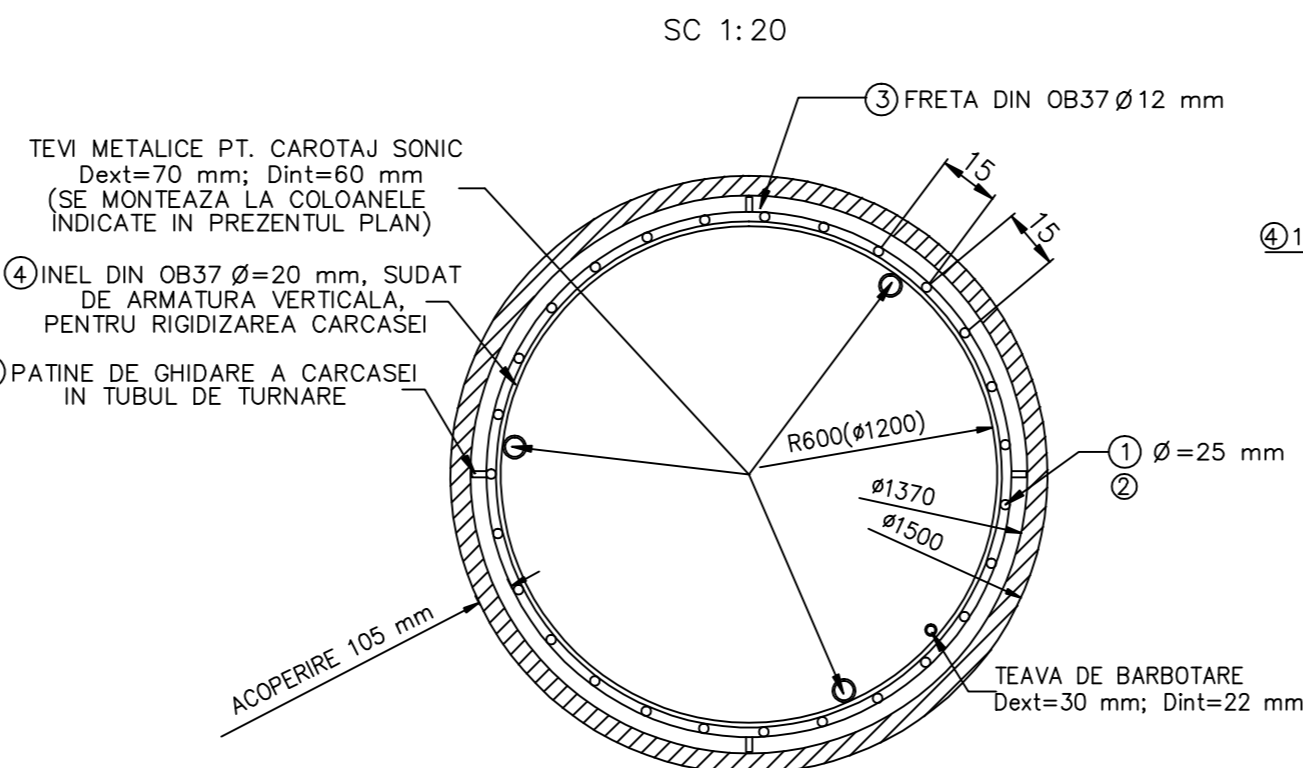
### EXTRAS DE ARMATURA NECESARA PENTRU ARMAREA UNEI COLOANE $\phi$ 1.50, L= 20.00 m

MARCA	DIAM.	NR.BUC.	LUNG.PE BUC	LUNGIMI PE DIAMETRE			
				OB 37	PC 52	S345	
1	25	27	12.00	S255	S355	$\phi$ 20	$\phi$ 25
2	25	27	10.40				324.00
3	12	1	537.50				280.80
4	20	15	3.92				
5	12	60	0.26		15.60		58.80
6	12	1	1.55		1.6		
7	12	1	2.85		2.9		
LUNGIMI TOTALE(m)				537.50	20.10	58.80	604.80
GREUTATE PE ml(kg/m)				0.888	0.888	2.466	3.853
GREUTATE PE DIAM.(kg)				477.30	17.90	145.00	2330.30
GREUTATE TOTALA(kg)							2970.50
Sudura 2%(kg)							59.40
Pierderi 5%(kg)							148.50
GREUTATE TOTALA(kg)							3200.00

TOTAL : 84buc. x 3200.00 kg = 268800kg

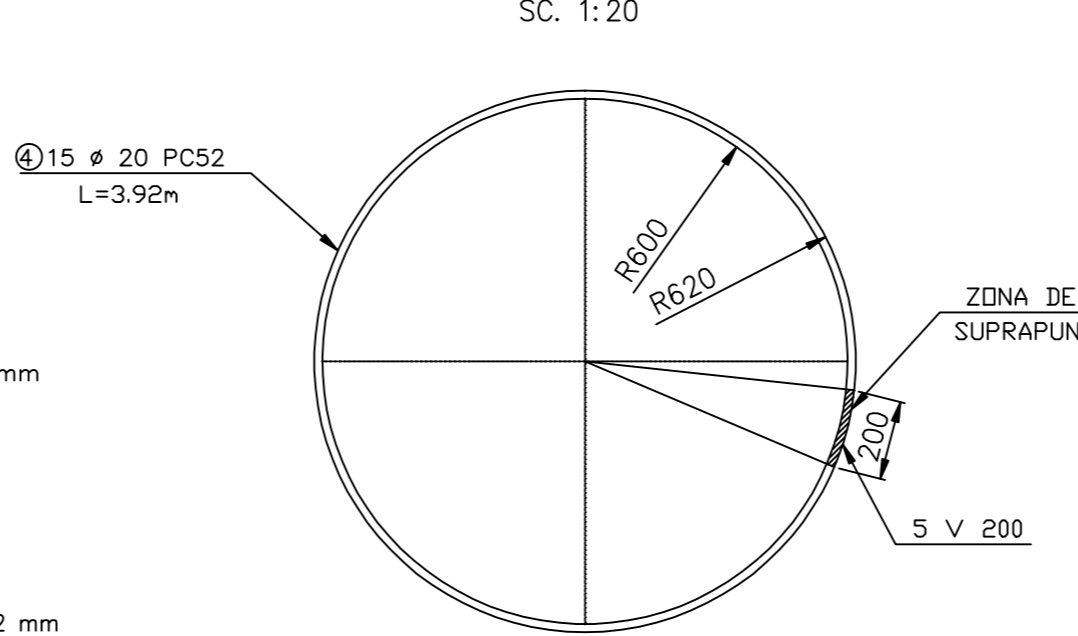
### SECTIUNE TRANSVERSALA A-A

SC 1:20



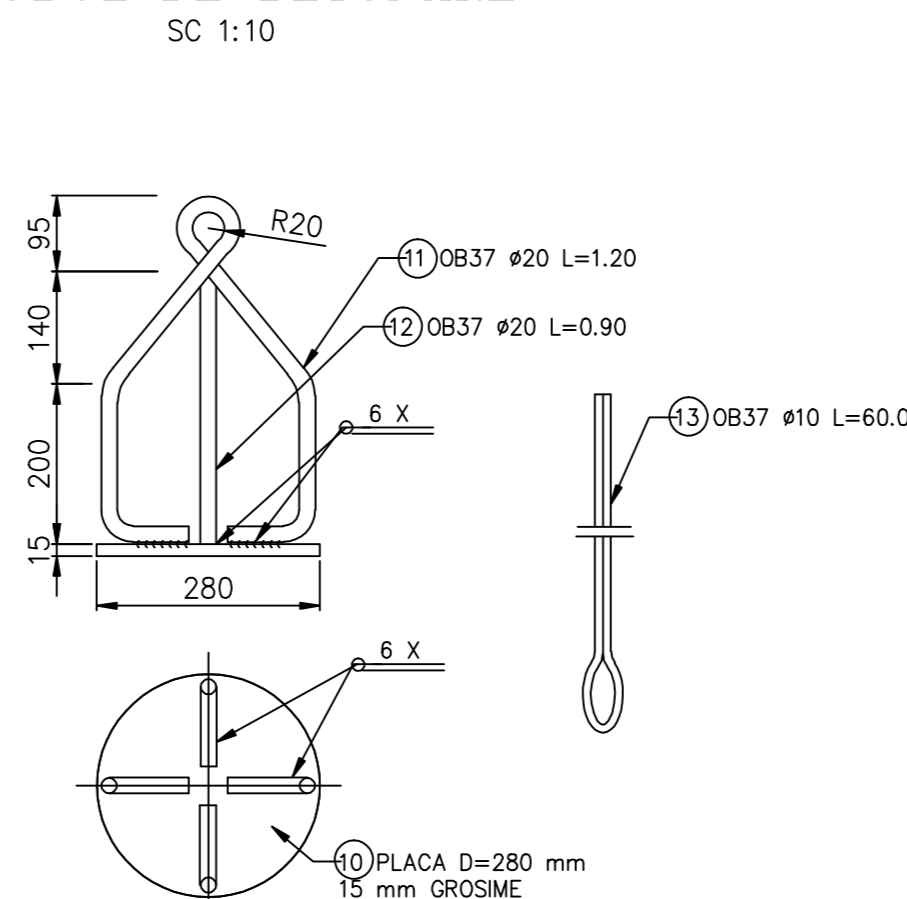
### INEL DE RIGIDIZARE

SC. 1:20



### DETALIU DE DOP PENTRU TUBUL DE BETONARE

SC 1:10



### NOTA

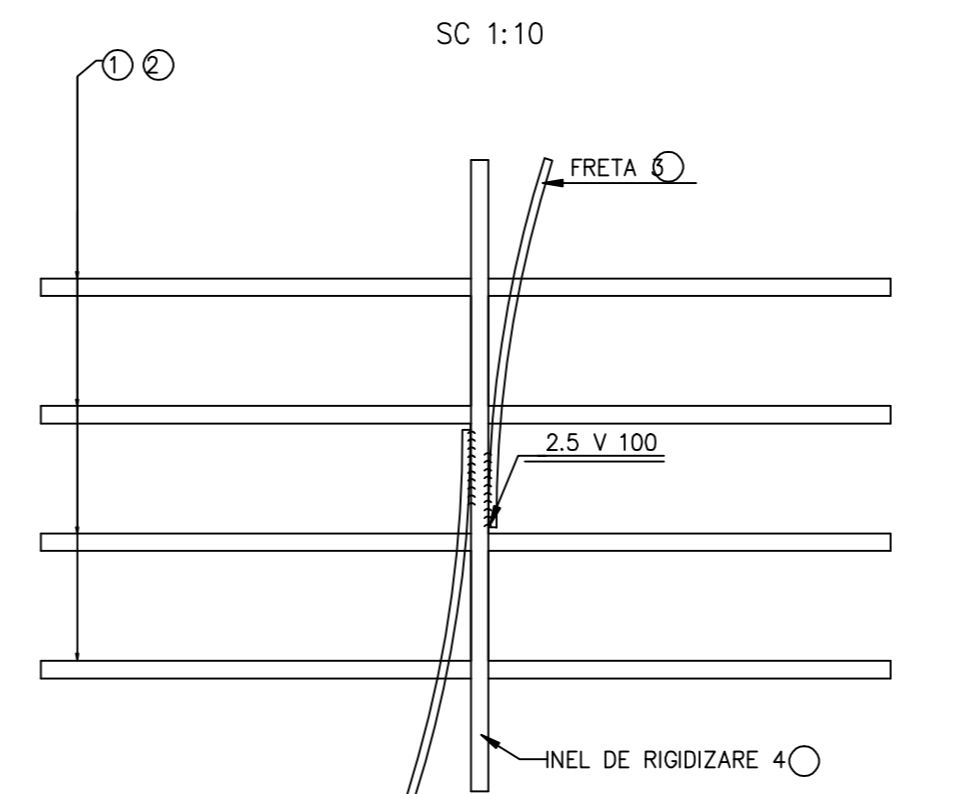
1. Prezentul plan a fost intocmit in conformitate cu prevederile SR EN 1536:2011 "Executia lucrarilor geotehnice speciale. Piloti forati".
2. S-a avut in vedere planul de cofraj EA5101E06BBPV00420031, EA5101E06BBPV00420041.
3. La executie se vor respecta cu strictete prevederile din caietul de sarcini si se vor intoctii filele de forare si betonare.
4. La executie se vor respecta cu strictete prevederile din "Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 1: Producerea betonului", indicativ NE 012/1-2007 si "Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 2: Executarea lucrarilor din beton", indicativ NE 012/2-2010, iar verificarea calitatii lucrarilor si receptionarea lor se va face conform normativului C56-1985.
5. Dupa executarea sapaturii pentru prima coloana se va chema proiectantul geotehnician pentru confirmarea naturii terenului intalnit in stratul strabatut de coloane pana la cota de fundare a acestora.

### NOTE:

1. This drawing was prepared according to the provisions SR EN 1536:2011 "Special geotechnical works. Drilled piles".
2. The shuttering plan EA5101E06BBPV00420031, EA5101E06BBPV00420041 was taken into consideration.
3. During the works, the provisions in the Technical Specifications will be strictly observed and the drilling and concreting sheets will be prepared accordingly.
4. During the works, the provisions of the following norms will be strictly observed: "Norm for concrete manufacturing and concrete, reinforced concrete and pre-stressed concrete works. Part 1: Concrete manufacturing", indicative NE 012/1-2007 and "Norm for concrete manufacturing and concrete, reinforced concrete and pre-stressed concrete works. Part 2: Concrete works", indicative NE 012/2-2010; the work quality control and acceptance will comply with norm C56-1985.
5. After the excavations for the first column, the geotechnician designer will be called to confirm the nature of the ground encountered in the layer crossed through by the columns up to the foundation level.

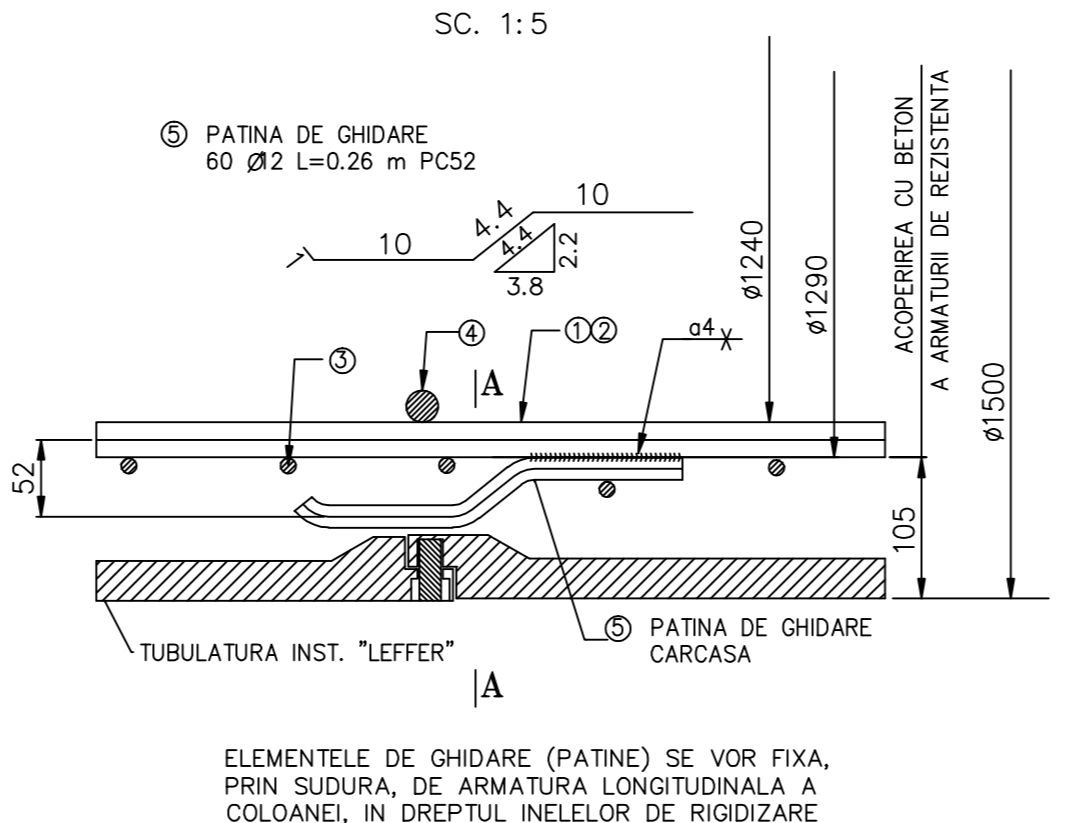
### DETALIU DE INTRERUPERE A FRETEI IN DREPTUL INELULUI DE RIGIDIZARE

SC 1:10



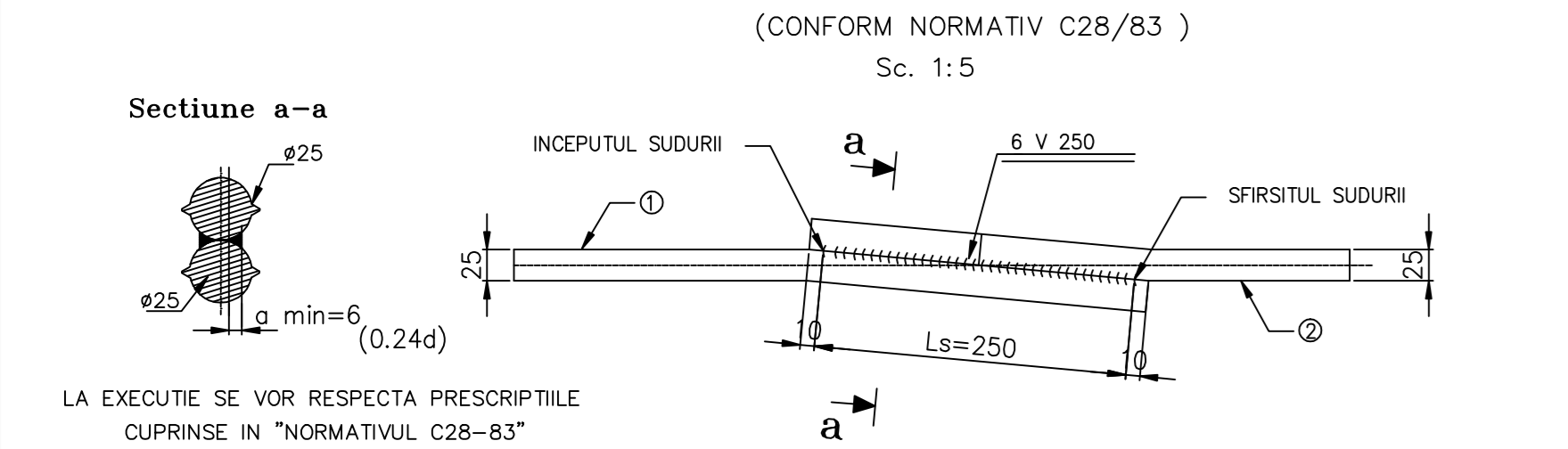
### DETALII ELEMENTE DE GHIDARE

SC. 1:5



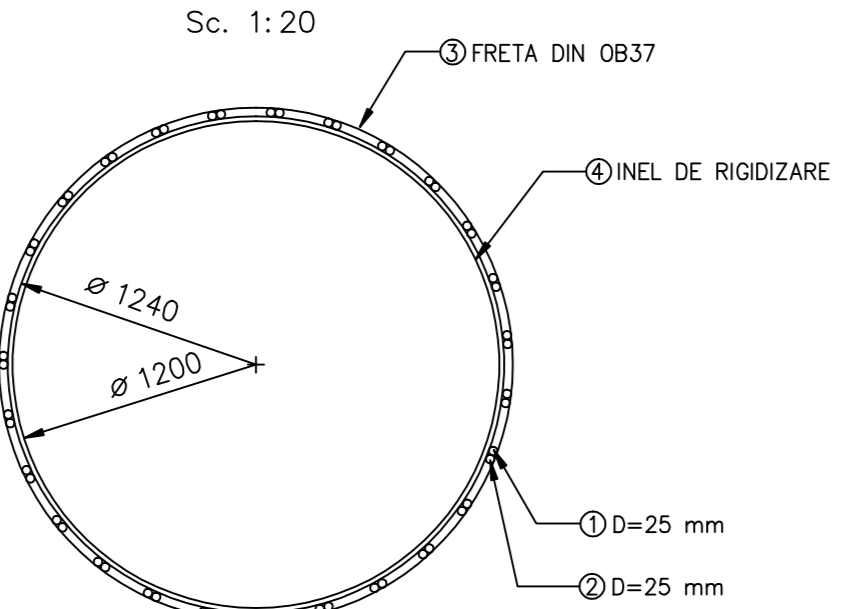
### DETALII DE INNADIRE A BARELOR LONGITUDINALE

(CONFORM NORMATIV C28/B3 )



### Pozarea barelor longitudinale in zona de innadire

Sc. 1:20



### MATERIAL METALIC PENTRU UN DOP LA TUBUL DE BETONARE

MARCA	NR. BUC.	DIMENSIUNI	GREUTATE (Kg)
10	1	PLACA D=280 mm, GROS. 15 mm	7.30
11	1	OB 37 $\phi$ 20 L=1.20 m	3.00
12	1	OB 37 $\phi$ 20 L=0.90 m	2.20
13	1	OB 37 $\phi$ 10 L=60.00 m	37.00
GREUTATE TOTALA OL37			7.30
OB37			42.20
SUDURA			0.40

BETON	- C25/30
CONCRETE	- S255, S235
ARMATURA	- S255, S235
REINFORCING BAR	- S255, S235
ACOPERIRE	- 10.5cm
COVERING	- 10.5cm

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D					
C					
B					
A					
Indice Index	Data Date	Modificari Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR
<b>GUVERNUL ROMANIEI</b> ROMANIAN GOVERNMENT		<b>PROIECT FINANTAT DE UNIUNEA EUROPEANA</b> EUROPEAN UNION FINANCED PROJECT			
		<b>C.N.C.F. "C.F.R." - S.A.</b>			
<b>CLIENT / CLIENT</b>					
<b>CONSULTANT / CONSULTANT</b>					
Aprobat Approved	Şef proiect Project manager	R. Liuzza		Data Date	Semnătura Signature
Aprobat Approved	Coordonator Secțiune 1 Section 1 Coordinator	C. Gambelli			
Verificat Checked	Expert Chief Checking Expert	V. Kallidromitis			
<b>SUBCONTRACTANT / SUBCONTRACTOR</b>					
Aprobat Approved	Responsabil Subcontractant Subcontractant Responsible	A.Stancliu - Dinulescu		02.2012	
Intocmit Elaborated	Proiectant Designer	Maria Campen		02.2012	
Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația trenurilor cu viteză maximă de 160 km/h, Tronsoanel: Braşov - Sighişoara				<b>Project/Project</b> 2004/RO/16/PA003	
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				<b>Faza / Phase:</b> P.Th. / I.T.D. D.E. / E.D.	
Denumire desen / Drawing Title : INTERVAL / SECTION BOD-FELDIOARA					
Viaduct Km 189+707.180 D=18.00+3x45.00+18.00m					
<b>Plan armare coloana L=20.00m</b> Column reinforcement plan					
<b>Codificare / Codification System</b>		<b>Scara / Scale</b> 1:50		<b>LOT / LOT</b>	
EA51		01 E		06 BC	
PV		00		4 2	
015		0		0	
				Nr./No 01/01	