

Technical drawing of a reinforced concrete slab cross-section. The drawing shows a rectangular slab with a height of 25 cm. The reinforcement consists of top bars (Etr./15cm) and bottom bars (Etr./10cm). The top bars are spaced at 15 cm, and the bottom bars are spaced at 10 cm. The drawing also indicates a zone of 85 cm for the top bars and a zone of 85 cm for the bottom bars, with a distance of >100 cm between these zones.

- Dispunerea armaturilor inferioare, respectiv superioare, se va realiza in acelasi plan, devierea pe verticala fiind admisa cu respectarea unei pante de 1:4.
- Barele longitudinale se innadesc prin petrecere, pe o lungime de cel putin 85cm, respectand regula unghiurilor intrande (detaliul 1, 2).
- Ancorarea cosoroabelor de centurile din beton armat se va realiza cu ajutorul unor tije filate ($d=20\text{mm}$) cu saiba si piulita la capatul superior, fixate chimic. Ancorarea se va realiza dupa pozitionarea elementelor din lemn la pozitie, prin realizarea in elementele din lemn si b.a. a unor gauri cu $d=22\text{mm}$ si fixarea chimica a tijelor filate cu ajutorul ancorelor chimice de tip "Sika AnchorFix-2". Dupa intarirea ancorelor chimice se vor strange piulitele de fixare. Distaanta maxima intre tijele filate va fi de 100cm.

A diagram showing a 2D grid structure. The grid is composed of horizontal and vertical lines. A thick purple line forms a large L-shape, enclosing a region. Inside this region, there are several horizontal and vertical lines. The horizontal lines are labeled 2^5 at the top right, and the vertical lines are labeled 2^5 at the bottom left. The grid is bounded by a dashed line at the bottom and a solid line at the top.

Technical drawing of a reinforced concrete slab cross-section showing reinforcement layout and dimensions. The drawing includes a top view and a side view. The top view shows a rectangular slab with a central vertical section cut. The side view shows the slab's profile with a central vertical section cut. The reinforcement is shown as a grid of bars. The dimensions are indicated by blue arrows and yellow text: 2^5 for the width of the slab and 2^5 for the width of the central section cut.

Technical drawing of a rectangular plate with dimensions and mounting details. The plate has a width of 37⁵ and a height of 30. It features a central rectangular area with rounded corners, outlined in purple. The plate is mounted on a base (2) using six screws (6Ø14 BST500s(C)). The mounting holes are arranged in two rows of three, with a center-to-center distance of 25 between the holes in each row. The distance from the top edge of the plate to the top row of holes is 2⁵, and the distance from the bottom edge to the bottom row of holes is 2⁵. The distance from the left edge to the leftmost holes is 2⁵, and the distance from the right edge to the rightmost holes is 2⁵. The plate is labeled with a circled 1.

[illegible]

Technical drawing of a rectangular frame assembly. The drawing shows a rectangular frame with a central opening. The frame is composed of two main parts: a top section (labeled 3) and a bottom section (labeled 4). The top section is a vertical plate with a width of 10 and a height of 15.25. The bottom section is a horizontal plate with a width of 27 and a height of 45.55. The total height of the assembly is 60.75. The frame is made of 308 BST500s(C) material. The central opening is a rectangle with a width of 10 and a height of 30. The frame is supported by a base (labeled 1) which is 37 wide and 10 high. The base is made of 6014 BST500s(C) material. The frame is secured with bolts (labeled 2) and washers (labeled 5). The drawing includes dimensions for the frame, the opening, and the base, as well as labels for the components and materials.

Ø8/15cm BST500s(C)
L=0.53m

- pentru centurile "C2" barele de armatura marca 3 se fasoneaza cu ciocuri horizontale de 50cm;
- pentru centurile "C3" barele de armatura marca 3 se fasoneaza cu ciocuri horizontale de 50cm la intersectia cu centura "C2" din axul E si cu ciocuri horizontale de 5cm la capatul din axul A;
- barele de armatura marca 4 se monteaza pastrand in permanenta acoperirea cu beton de 2.5cm de la partea superioara a aticului.

Elem.	Marca	Φ	Lung. unei bare (m)	Bare pe elem.	Nr. elem.	Nr. bare asem.	Lungimi pe diametre	
							BST500s	
							Φ8	Φ14
Centuri C1: 37,5x30cm	1	14	85,00	6	1	6	-	510,00
	2	8	1,32	500	1	500	660,00	-
Centuri C1: 37,5x30cm	1	14	18,00	6	1	6	-	108,00
	2	8	1,32	105	1	105	138,60	-
	3	8	17,00	3	1	3	51,00	-
	4	8	0,53	105	1	105	55,65	-
Centuri C3: 37,5x30cm	1	14	16,00	6	1	6	-	96,00
	2	8	1,32	85	1	85	112,20	-
	3	8	15,00	3	1	3	45,00	-
	4	8	0,53	85	1	85	45,05	-
TOTAL LUNGIMI PE DIAMETRU							1107,50	714,00
GREUTATEA PE METRU							0,395	1,21
GREUTATEA PE DIAMETRU							437,5	863,9
TOTAL GENERAL							1301 KG	

- Otel: BST500s(C) - armaturi
- Beton: C20/25 - beton armat
- Caramida plina:
240x115x63mm - pereti

CLASA DE IMPORTANTA III

Categoria de importanta C - normala

- Acoperirea cu beton este de 2.5cm (masurata de la fata exteriora a etrierilor) si se va realiza cu ajutorul distanțierilor din plastic.
- Cotele reprezentate pe segmentele barelor de armatura reprezinta lungimea segmentelor la interior ("lumina").
- Lungimea totala a armaturilor, notata cu "L" reprezinta suma segmentelor barelor de armatura, masurate la exterior.
- Inainte de inceperea turnarii betonului se va verifica pozitia, diametrul si lungimea barelor, precum si corectitudinea montarii lor conform planselor din proiect.
- Inainte de inceperea turnarii betonului se va avea in vedere ca toate armaturile si cofrajele sa fie curatate de eventualele impuritati.
- Modificarea diametrului, lungimii sau pozitiei armaturilor fara acordul scris al proiectantului de specialitate il absolve pe acesta de orice responsabilitate.

- clasa de expunere: XC2
- tipul deciment: CEM II, 32.5R
- dozaj minim de ciment: 280kg/mc
- raport maxim A/C: 0.60
- diametrul maxim agregat: D<16mm
- continut maxim de cloruri: CI 0.20
- consistenta: S3
- fisuri: <0.3mm

Verficator/ Expert	Nume	Semnatura	Cerinta	REFERAT/EXPERTIZA NR./DATA	
Beneficiar: <u>S.C. AMBRO S.A.</u> Calea Unirii nr. 24 Suceava, tel.: 0230 205 000 fax: 0230 205 111 email:office@ambro.ro				Denumire Proiect:	Pr. 397/2019
Proiectant general: <u>S.C. LOIAL IMPEX S.R.L.</u> J33/27/1993 C.F: R3176126 Str. Oborului, Nr.75A, Scheia Com. Scheia, jud. Suceava, cod 720182 Tel. 0230/526800;Fax: 0230/526900; Mobil: 0722/220645 E-mail: office@loial.ro				"Cresterea eficientei energetice operationale la S.C. AMBRO S.A. Suceava prin implementarea unei instalatii de cogenerare de înalta eficiență" Locatia: Suceava, Calea Unirii, Nr.24, Jud. Suceava	
Proiectant de specialitate arhitectura: <u>S.C. MOLDPROIECT A.S.D. S.R.L.</u> J33/27/1993 C.F: R3176126 Str. Mihail Sadoveanu, Nr.9A, Oras Suceava, jud. Suceava, cod 720013 Tel./Fax 0330/803501;E-mail: moldproject@yahoo.com				Proiect rezistenta	Faza: PT+DE
Specificatie	Nume	Sem.	Scara 1:20	Denumire Plansa:	Plansa nr R5.10
Sef proiect	Ing. C. Vieru				
Sef proiect arhitectura	Ing. Arh. B. Adomnitei		Data: 08.2019	Detalii alcatuire centuri - CLADIRE COMPRESOR DE GAZE NATURALE -	Rev0
Proiectat	Ing. C. Ionescu				
Desenat	Ing. C. Ionescu				