

The figure displays a series of structural drawings for a reinforced concrete slab, organized into three main sections: V1-V6, SEÇÃO A-A, and P1-P6.

V1-V6 (Plan Views): These drawings show the layout of the slab with dimensions and reinforcement details. V1 is the main plan view, showing a rectangular slab with dimensions 577 x 593. V2-V6 show different sections of the slab, including details of the reinforcement bars (e.g., 2 N19 ø8.0 C=145, 2 N20 ø8.0 C=616).

SEÇÃO A-A (Section Views): These drawings show the cross-section of the slab, including the reinforcement bars and the concrete cover. The section is labeled SEÇÃO A-A and shows a cross-section of the slab with dimensions 30 x 12 x 25.

P1-P6 (Detail Views): These drawings show the details of the reinforcement bars at the edges of the slab, including the lap length and the anchorage details. The details are labeled P1-P6 and show the reinforcement bars (e.g., 15 N3 ø5.0 C=75, 25 N3 ø5.0 C=75).

S1-S6 (Detail Views): These drawings show the details of the reinforcement bars at the corners of the slab, including the lap length and the anchorage details. The details are labeled S1-S6 and show the reinforcement bars (e.g., 15 N3 ø5.0 C=75, 25 N3 ø5.0 C=75).

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)
CA50	6.3	110.9	11
	8.0	139	13
	10.0	123.1	12
CA60	5.0	447.3	42
PESO TOTAL (kg)			
CA50	173.82		
CA60	75.77		

Volume de concreto (C-25) = 3.51 m³
Área de forma = 62.58 m²

The figure displays six reinforced concrete beams, labeled V1 through V6, with their respective plan and cross-section views. Each beam is shown with its dimensions, reinforcement details, and section labels.


- V1:** Plan view shows a beam with a total width of 577 mm and a height of 180 mm. Reinforcement includes 2 N5 ø6.3 C=612, 1 N4 ø6.3 C=250, and 10 N3 c/15. Cross-section A-A shows a 30 mm wide beam with 12 mm diameter reinforcement.
- V2:** Plan view shows a beam with a total width of 162 mm and a height of 25 mm. Reinforcement includes 2 N7 ø6.3 C=204, 1 N4 ø6.3 C=250, and 9 N3 c/16. Cross-section A-A shows a 30 mm wide beam with 12 mm diameter reinforcement.
- V3:** Plan view shows a beam with a total width of 422 mm and a height of 19 mm. Reinforcement includes 2 N9 ø6.3 C=457, 1 N4 ø6.3 C=250, and 25 N3 c/16. Cross-section A-A shows a 30 mm wide beam with 12 mm diameter reinforcement.
- V4:** Plan view shows a beam with a total width of 422 mm and a height of 19 mm. Reinforcement includes 2 N12 ø6.3 C=257, 1 N4 ø6.3 C=250, and 11 N3 c/16. Cross-section A-A shows a 30 mm wide beam with 12 mm diameter reinforcement.
- V5:** Plan view shows a beam with a total width of 422 mm and a height of 19 mm. Reinforcement includes 2 N13 ø6.3 C=457, 1 N4 ø6.3 C=250, and 27 N3 c/15. Cross-section A-A shows a 30 mm wide beam with 12 mm diameter reinforcement.
- V6:** Plan view shows a beam with a total width of 422 mm and a height of 19 mm. Reinforcement includes 2 N13 ø6.3 C=457, 1 N4 ø6.3 C=250, and 25 N3 c/15. Cross-section A-A shows a 30 mm wide beam with 12 mm diameter reinforcement.

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	12x30	0	0
V2	12x30	0	0
V3	12x30	0	0
V4	12x30	0	0
V5	12x30	0	0
V6	12x30	0	0

Características dos materiais		
fck (kgf/cm ²)	Ecs (kgf/cm ²)	Abatimento (cm)
250	241500	12,00

Dimensão máxima do agregado = 19 mm

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	12x30	0	0
P2	12x30	0	0
P3	12x30	0	0
P4	12x30	0	0
P5	12x30	0	0
P6	12x30	0	0

Legenda dos pilares	
	Pilar que passa

Armação positiva das lajes
do pavimento Cobertura

escala 1:75

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	12x30	0	314
V2	12x30	0	314
V3	12x30	0	314
V4	12x30	0	314
V5	12x30	0	314
V6	12x30	0	314

Lajes						Sobrecarga (kgf/m²)			
Nome	Tipo	Altura (cm)	Elevação (cm)	Nível (cm)	Peso próprio (kgf/m²)	Adicional	Acidental	Localizada	Água
L1	Macica	10	-22	292	250	100	50	-	175

Características dos materiais		
fck (kgf/cm ²)	Ecs (kgf/cm ²)	Abatimento (cm)
250	241500	12.00

Dimensão máxima do agregado = 19 mm

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	12x30	0	314
P2	12x30	0	314
P3	12x30	0	314
P4	12x30	0	314
P5	12x30	0	314
P6	12x30	0	314

Legenda dos pilares	
	Pilar que morre

Technical drawing of a rectangular structure, likely a window or door frame, showing dimensions and labels. The drawing is divided into three vertical sections labeled 1, 2, and 3 at the bottom. The overall width is 174 + 406 = 580. The overall height is 197 + 209 = 406. The structure is composed of several rectangular elements, some labeled with dimensions and others with letters A, B, and C. The labels A, B, and C are positioned on the left side, corresponding to the vertical sections. The labels 1, 2, and 3 are positioned at the bottom, corresponding to the horizontal sections. The drawing includes various dimensions and labels for the components, such as P1, P2, P3, P4, P5, P6, V1, V2, V3, V4, V5, V6, and V7. The dimensions are given in millimeters (mm).

escala 1:75

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