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Technical drawing of a bridge deck cross-section (P2) showing three lanes (1, 2, and 3) with dimensions and reinforcement details. The drawing includes a top view of the deck with lane widths and a side view showing the deck profile and reinforcement bars. Key dimensions include lane widths of 12.5m, 6.3m, and 6.3m, and a total width of 35m. Reinforcement bars are specified as 8 N5 @ 12.5m, 25 N3 @ 6.3m, and C=92. The drawing also shows the location of the "1o Andor" (first pier) and the "Fundação" (foundation).

The drawing shows three reinforced concrete slabs, labeled P3, arranged vertically. Each slab has a top view and a corresponding cross-section.

- Top Slab:** The top view shows a rectangular slab with dimensions 350 cm by 120 cm. It features a central square area with side length 29 cm containing four reinforcement bars (8 N5). The remaining area contains two rows of reinforcement bars: 25 N3 bars along the long edges and 6.3 N3 bars along the short edges. The cross-section shows a total thickness of 40 cm, with 8 N2 bars at the bottom and 12.5 N3 bars at the top.
- Middle Slab:** The top view shows a rectangular slab with dimensions 350 cm by 120 cm. It features a central square area with side length 29 cm containing four reinforcement bars (8 N4). The remaining area contains two rows of reinforcement bars: 25 N3 bars along the long edges and 6.3 N3 bars along the short edges. The cross-section shows a total thickness of 40 cm, with 8 N4 bars at the bottom and 12.5 N3 bars at the top.
- Bottom Slab:** The top view shows a rectangular slab with dimensions 350 cm by 120 cm. It features a central square area with side length 29 cm containing four reinforcement bars (8 N5). The remaining area contains two rows of reinforcement bars: 25 N3 bars along the long edges and 6.3 N3 bars along the short edges. The cross-section shows a total thickness of 40 cm, with 8 N5 bars at the bottom and 12.5 N3 bars at the top.

Labels include "P3 Lances 1 a 3 COBERTURA" on the left, "1o Andar" between the middle and bottom slabs, and "Fundação" below the bottom slab. Dimensions are given in centimeters (C=).

Technical drawing of a reinforced concrete slab (P4) showing two cross-sections (a-a and b-b) and a plan view. The slab is 100 cm thick. The plan view shows a rectangular slab with dimensions 300 cm by 300 cm. The cross-sections show the reinforcement details, including top and bottom bars, stirrups, and development lengths. The drawing is labeled "P4 Lances 1 a 3 COBERTURA" and "1:35".

Cross-section a-a: Shows a slab with a total width of 300 cm and a thickness of 100 cm. The reinforcement includes top bars (6 N6 # 10 C=297) and bottom bars (6 N6 # 10 C=297). The distance between the centerlines of the top and bottom bars is 120 cm. The effective depth is 120 cm. The bottom bars are bent up at 45 degrees with a development length of 44 cm. The top bars are bent down at 45 degrees with a development length of 44 cm. The stirrups are 6 N6 # 5 C=121.

Cross-section b-b: Shows a slab with a total width of 300 cm and a thickness of 100 cm. The reinforcement includes top bars (6 N6 # 10 C=297) and bottom bars (6 N6 # 10 C=297). The distance between the centerlines of the top and bottom bars is 120 cm. The effective depth is 120 cm. The bottom bars are bent up at 45 degrees with a development length of 44 cm. The top bars are bent down at 45 degrees with a development length of 44 cm. The stirrups are 6 N6 # 5 C=121.

Plan View: Shows a rectangular slab with dimensions 300 cm by 300 cm. The reinforcement includes top bars (6 N6 # 10 C=297) and bottom bars (6 N6 # 10 C=297). The distance between the centerlines of the top and bottom bars is 120 cm. The effective depth is 120 cm. The bottom bars are bent up at 45 degrees with a development length of 44 cm. The top bars are bent down at 45 degrees with a development length of 44 cm. The stirrups are 6 N6 # 5 C=121.

RESUMO AÇO CA 50-60				
AÇO	BIT (mm)	COMPR (m)	PESO (kg)	
60B	5	123	19	133
50A	6,3	545	41	29
50A	10	473	29	455
50A	12,5	473		
Peso Total		60B =	19 kg	
Peso Total		50A =	617 kg	

(fol. = 25 MPa [pilares e vigas]) UENP Universidade Estadual do Norte do Paraná Cj Campus Jacarezinho		COORD.	
CLIENTE	CCS - REFORMA COM REFORÇO ESTRUTURAL	DESENHO	
ORCA		ESCALA	
TITULO		ARMAÇÃO: PILAR P1 a P10	
ORCA N.º DATA TRU 03		REV. N.º DATA	

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