

Technical drawing of a rectangular frame structure. The main dimensions are 320 (width) and 450 (height). The frame is composed of several parts:

- Top horizontal member: 2N3 ϕ 10 C=339
- Bottom horizontal member: 1N2 ϕ 10 C=290
- Left vertical member: 2N1 ϕ 12.5 C=345
- Right vertical member: 19x1N4 ϕ 5_c/15

Additional details include:

- Top corners: P46 (top-left), P47 (top-right), P57 (bottom-left), P58 (bottom-right)
- Internal dimensions: 280 (width), 13 (height), 20 (width), 15 (height)
- Section A-A: A horizontal section line passing through the center of the frame.
- Section B-B: A vertical section line passing through the center of the frame.
- Section C-C: A horizontal section line passing through the center of the frame.
- Section D-D: A vertical section line passing through the center of the frame.
- Section E-E: A horizontal section line passing through the center of the frame.
- Section F-F: A vertical section line passing through the center of the frame.
- Section G-G: A horizontal section line passing through the center of the frame.
- Section H-H: A vertical section line passing through the center of the frame.
- Section I-I: A horizontal section line passing through the center of the frame.
- Section J-J: A vertical section line passing through the center of the frame.
- Section K-K: A horizontal section line passing through the center of the frame.
- Section L-L: A vertical section line passing through the center of the frame.
- Section M-M: A horizontal section line passing through the center of the frame.
- Section N-N: A vertical section line passing through the center of the frame.
- Section O-O: A horizontal section line passing through the center of the frame.
- Section P-P: A vertical section line passing through the center of the frame.
- Section Q-Q: A horizontal section line passing through the center of the frame.
- Section R-R: A vertical section line passing through the center of the frame.
- Section S-S: A horizontal section line passing through the center of the frame.
- Section T-T: A vertical section line passing through the center of the frame.
- Section U-U: A horizontal section line passing through the center of the frame.
- Section V-V: A vertical section line passing through the center of the frame.
- Section W-W: A horizontal section line passing through the center of the frame.
- Section X-X: A vertical section line passing through the center of the frame.
- Section Y-Y: A horizontal section line passing through the center of the frame.
- Section Z-Z: A vertical section line passing through the center of the frame.

Technical drawing of a reinforced concrete slab (V-402) showing plan and section views.

Plan View:

- Overall dimensions: 290 x 15.
- Top reinforcement: 2N7ø10 C=339.
- Bottom reinforcement: 1N6ø10 C=290.
- Section line A-A is indicated.

Section View (Corte A):

- Height: 40.
- Width: 15.
- Reinforcement details are shown.

Labels:

- V-402
- 15x40
- 2N7ø10 C=339
- 1N6ø10 C=290
- 2ø12.5 C=345
- 1ø18ø5c/15
- Am: 76x8.45
- P320
- Corte A
- Escala 1:20
- 20N8ø5 C=100

Top View:

- Overall width: 530
- Overall length: 430
- Reinforcement: 2N11 ϕ 10 C=549
- Top reinforcement: V-405, V-404, 15x45
- Bottom reinforcement: 1N10 ϕ 12.5 C=510, 2N9 ϕ 12.5 C=555, 34x1N12 ϕ 5c/13
- Supports: P57, P58, P46, P47

Side View (Corte A):

- Section label: Corte A
- Scale: Escala 1:20
- Height: 45
- Width: 15
- Reinforcement: 34N12 ϕ 5 C=110

Legend:

- LAJE MOTO-BOMBA
- Desenho de vigas
- Concreto: C30,
- Aço: CA-50-A e
- Escala vigas: 1:
- Escala seções:

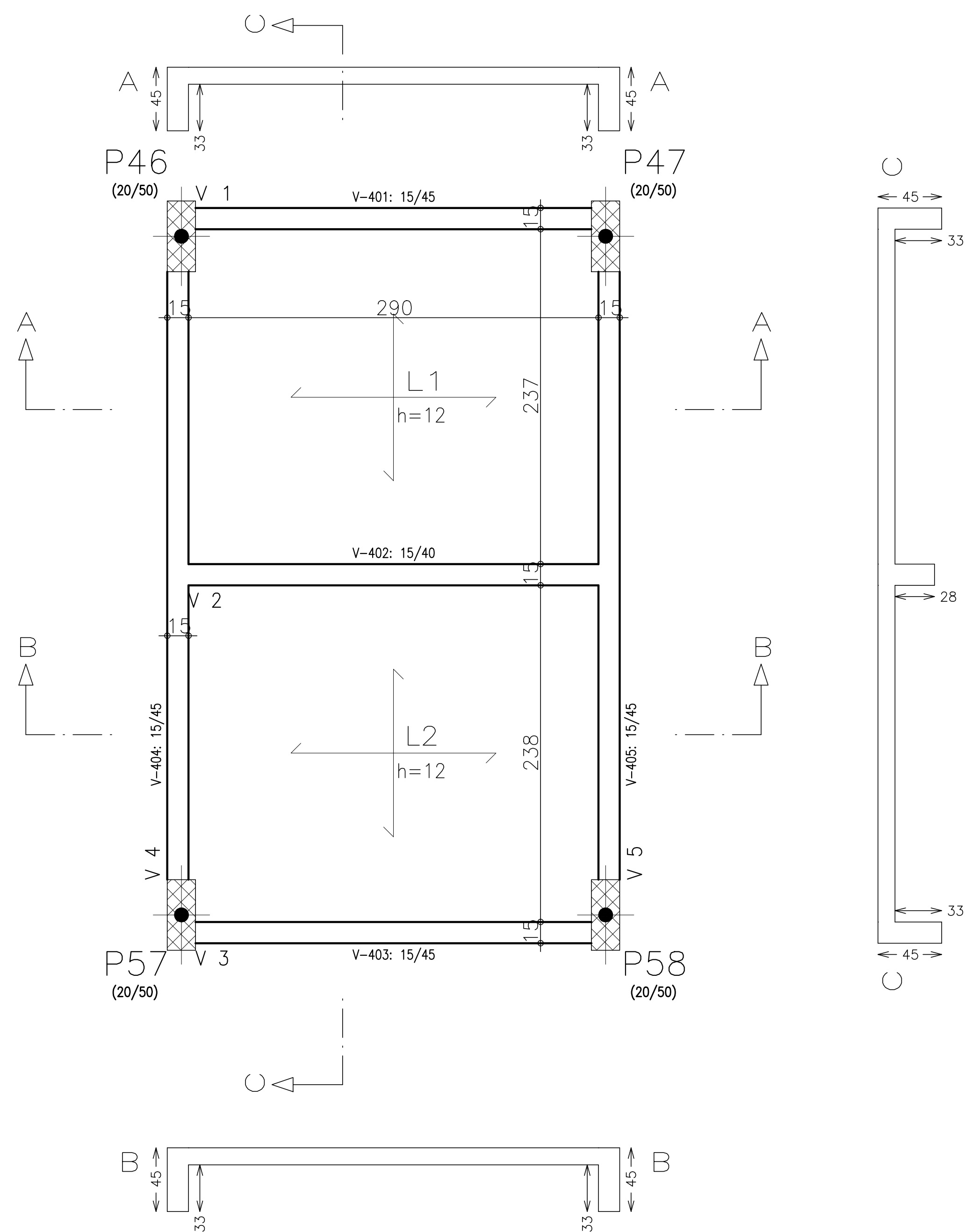
NOTAS GERAIS:

1-POR SOLICITAÇÃO DA FISCALIZAÇÃO FOI REDEQUADO O RESERVATÓRIO PARA CONCRETO ARMADO E AUMENTADO A ALTURA EM 20 CM PARA ATENDER AO PPD;

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 1=V 3	1	Ø12.5	2	15	315	15	345	690	6.8	
	2	Ø10	1		290		290	290	1.8	
	3	Ø10	2	12	315	12	339	678	4.3	
	4	Ø5	19				110	2090		
	Total+ 10%: (x2):								14.2 28.4	
V 2	5	Ø12.5	2	15	315	15	345	690	6.8	
	6	Ø10	1		290		290	290	1.8	
	7	Ø10	2	12	315	12	339	678	4.3	
	8	Ø5	20				100	2000		
	Total+ 10%: (x2):								14.2	
V 4=V 5	9	Ø12.5	2	15	525	15	555	1110	10.9	
	10	Ø12.5	1		510		510	510	5.0	
	11	Ø10	2	12	525	12	549	1098	6.9	
	12	Ø5	34				110	3740		
	Total+ 10%: (x2):								25.1 50.2	
							Ø5:	0.0	23.6	
							Ø10:	35.3	0.0	
							Ø12.5:	57.5	0.0	
							Total:	92.8	23.6	

1-POR SOLICITAÇÃO DA FISCALIZAÇÃO FOI READEQUADO O RESERVATÓRIO PARA CONCRETO ARMADO E AUMENTADO A ALTURA EM 20 CM PARA ATENDER AO PPCI;

1. AS UNIDADES USADAS NO PROJETO SÃO AS SEGUINTEs, SALVO QUANDO INDICADO AO CONTRÁRIO:
 - 1.1 COORDENADAS EM METROS(M);
 - 1.2 ELEVACÕES EM METROS(M);
 - 1.3 DIMENSÕES EM CENTÍMETROS(CM);
 - 1.4 UNIDADES S. I. (SISTEMA INTERNACIONAL);
 - 1.5 CONCRETO ESTRUTURAL (BLOCOS,VIGAS, PILARES E LA.E)-FCK=30MPa;
 - 1.6 COBRIMENTO LAJE = 2 CM;
 - 1.7 ESTRUTURA: CLASSE DE AGRESSIVIDADE DO AMBIENTE: CLASSE III;
 - 1.8 ESTRUTURA: RELAÇÃO ÁGUA/CEMENTO EM MASSA: A/C < 0,55;



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
Armadura transversal superior	1	ø6.3	31	6	288	6	300	9300	23.0	
	Total+10%:								25.3	
									25.3	0.0
Total:									25.3	0.0

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
Armadura longitudinal inferior	1	Ø8	26	10	316	10	336	8736	34.3	
	Total+10%:								37.7	
Ø8: Total:									37.7 37.7	0.0 0.0
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
Armadura transversal inferior	1	Ø8	38	10	280		290	11020	43.3	
	Total+10%:								47.6	
Ø8: Total:									47.6 47.6	0.0 0.0

[illegible]