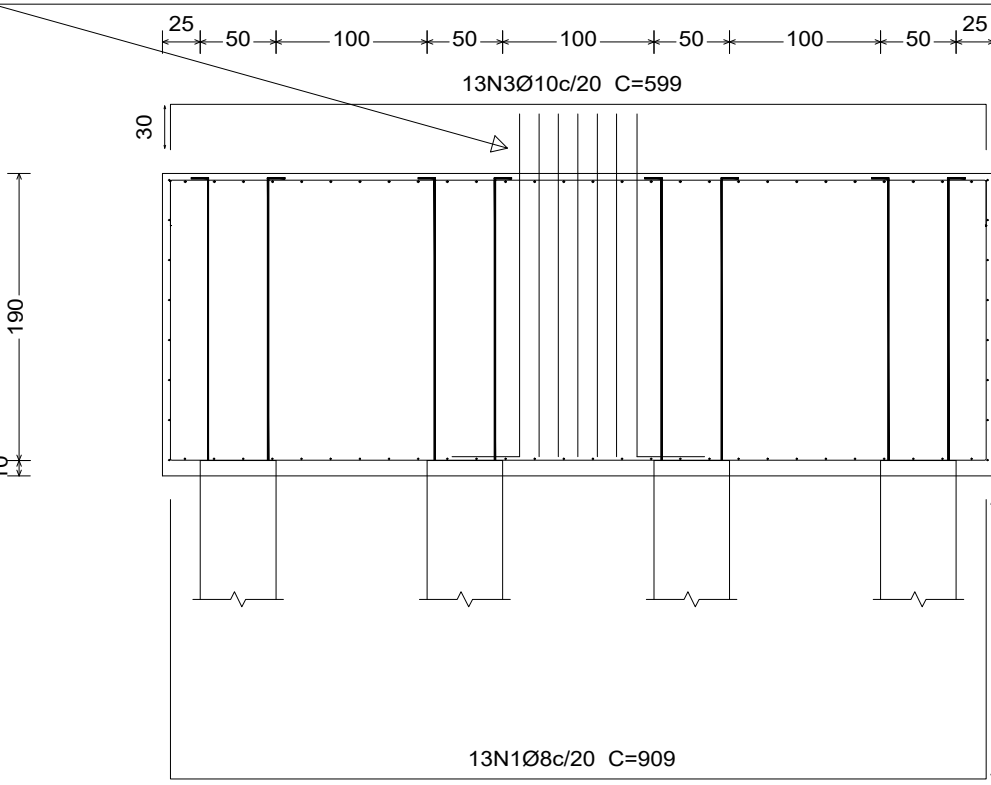
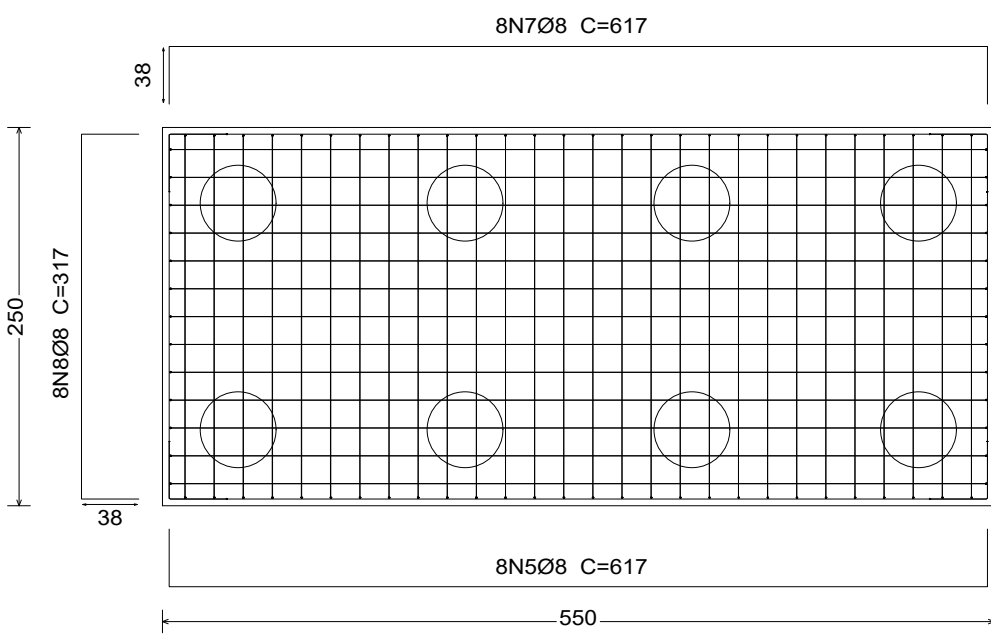


P02, P04, P06, P08, P10, P12, P14, P16, P18, P20, P22, P24, P26, P28, P30, P32, P34, P36, P38, P40 e P42

VER E POSICIONAR ARRANQUE DOS PILARES CONFORME DETALHE DOS PILARES



Estacas: HC 50



Viga paralela Y

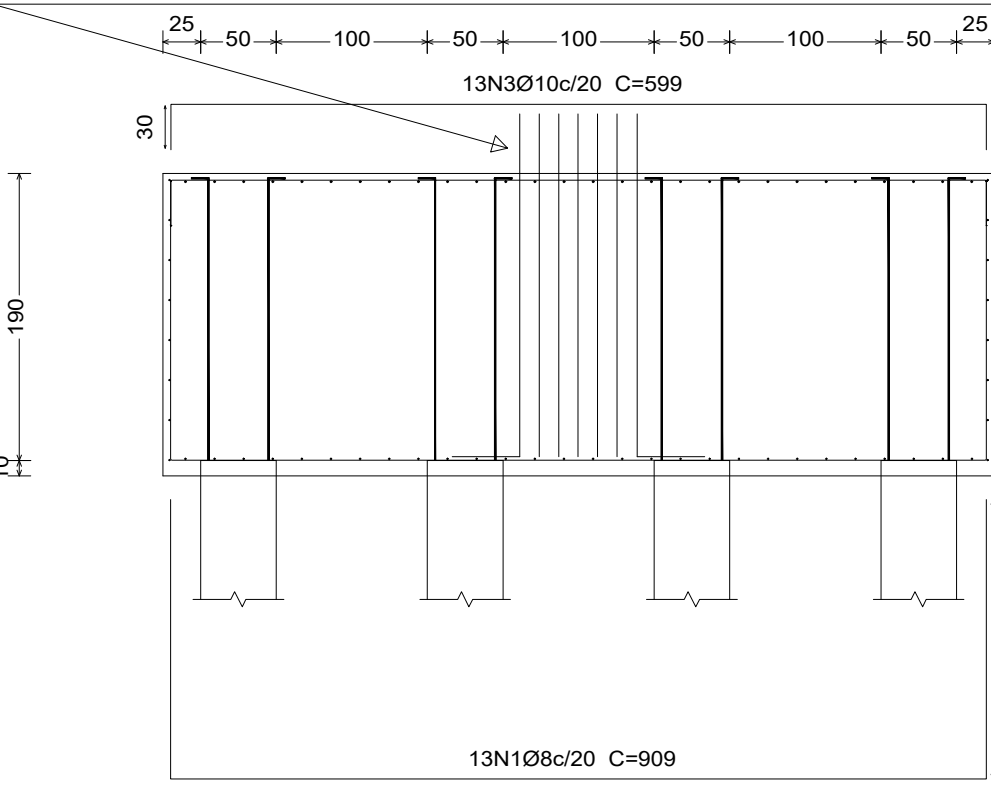


Referências	QUADRO DE ELEMENTOS DE FUNDAÇÃO					
	Dimensões (cm)	Altura (cm)	Estacas	Armadura inf. X	Armadura inf. Y	Armadura sup. X
P02, P04, P06, P08, P10, P12, P14, P16, P18, P20, P22, P24, P26, P28, P30, P32, P34, P36, P38, P40 e P42	500 x 250	200	Tipo HC 50, Penetração 10 cm	Ø8x20	Ø8x20	Ø10x20

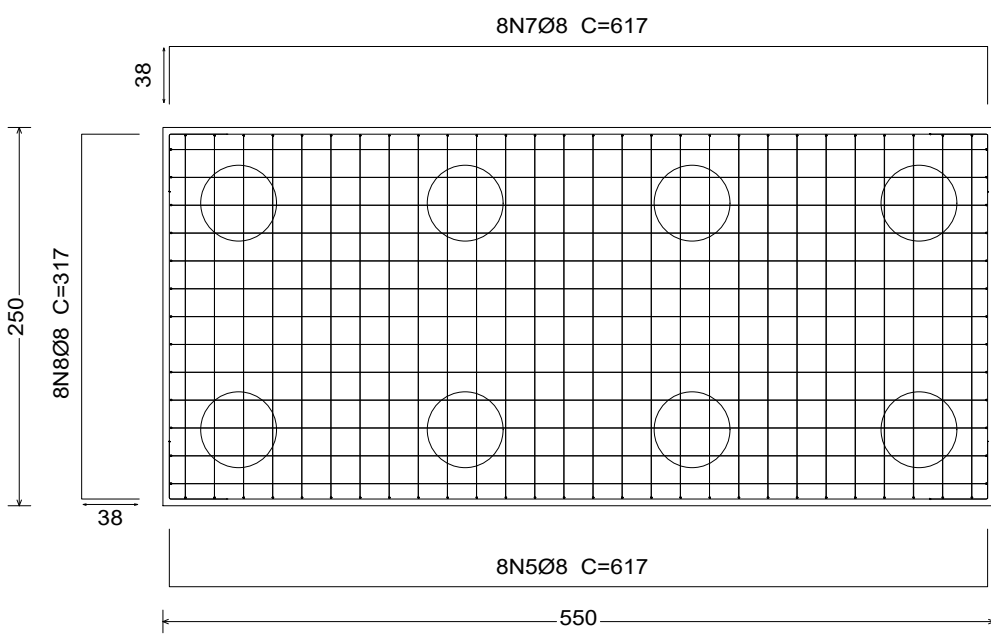
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P02+P04+P06+P08	1	Ø8	13	185	539	185	909	11817	46.7	
P10+P12+P14+P16	2	Ø8	28	184	230	184	607	10960	67.1	
P18+P20+P22+P24	3	Ø10	13	30	539	30	599	7787	48.0	
P26+P28+P30+P32	4	Ø10	28	30	239	30	299	8372	51.6	
P34+P36+P38+P40	5	Ø8	8	38	541	38	617	4936	19.5	
P42	6	Ø8	8	38	241	38	317	2536	10.0	
	7	Ø8	8	38	541	38	617	4936	19.5	
	8	Ø8	8	38	241	38	317	2536	10.0	
	9	Ø12.5	8	30	541	30	601	4808	46.3	
	10	Ø12.5	8	30	541	30	601	4808	46.3	
	11	Ø12.5	8	30	241	30	301	2408	23.2	
	12	Ø12.5	8	30	241	30	301	2408	23.2	
	13	Ø12.5	8	30	241	30	301	2408	23.2	
	14	Ø12.5	8	30	241	30	301	2408	23.2	
Total+10%:									503.6	
(x0.1)									10575.6	
Ø8:									3992.1	0.0
Ø10:									2299.5	0.0
Ø12.5:									4284.0	0.0
Total:									10575.6	0.0

P01, P03, P05, P07, P09, P11, P13, P15, P17, P19, P21, P23, P25, P27, P29, P31, P33, P35, P37, P39 e P41

VER E POSICIONAR ARRANQUE DOS PILARES CONFORME DETALHE DOS PILARES



Estacas: HC 50



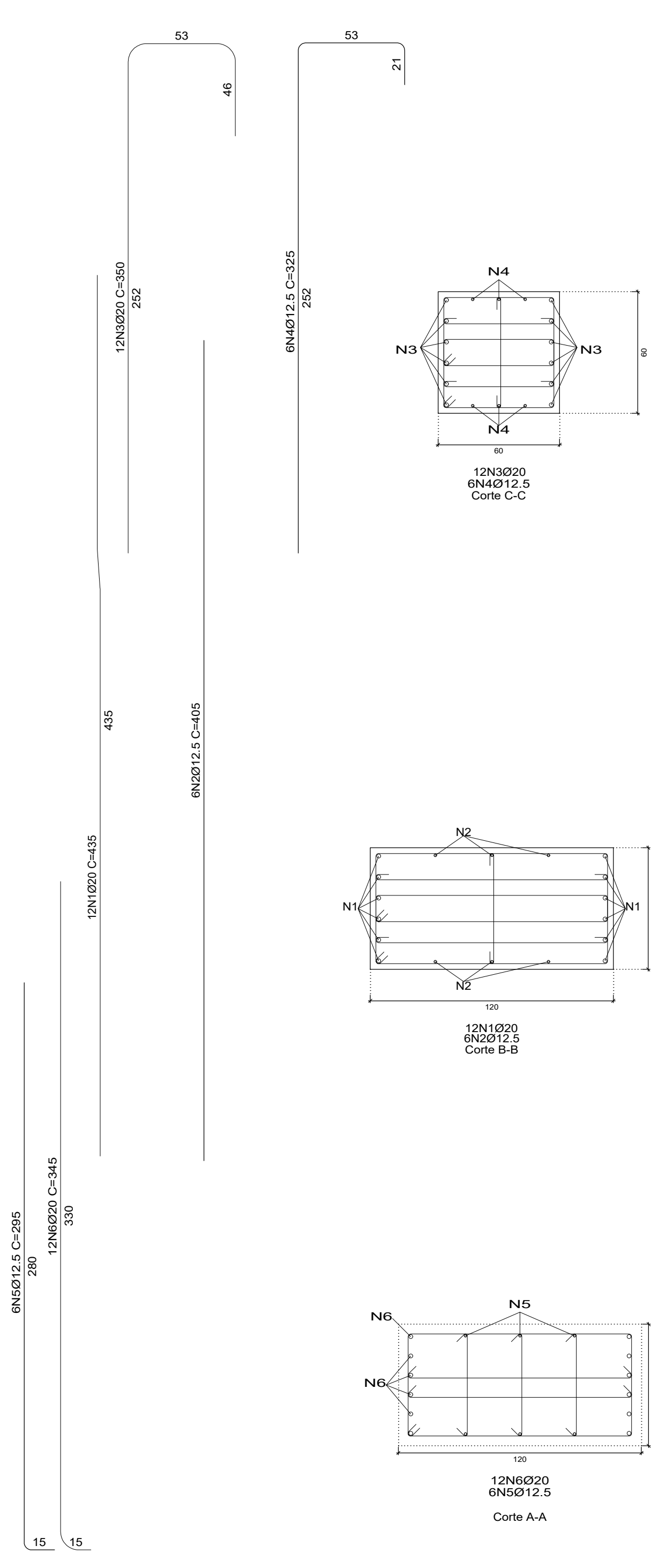
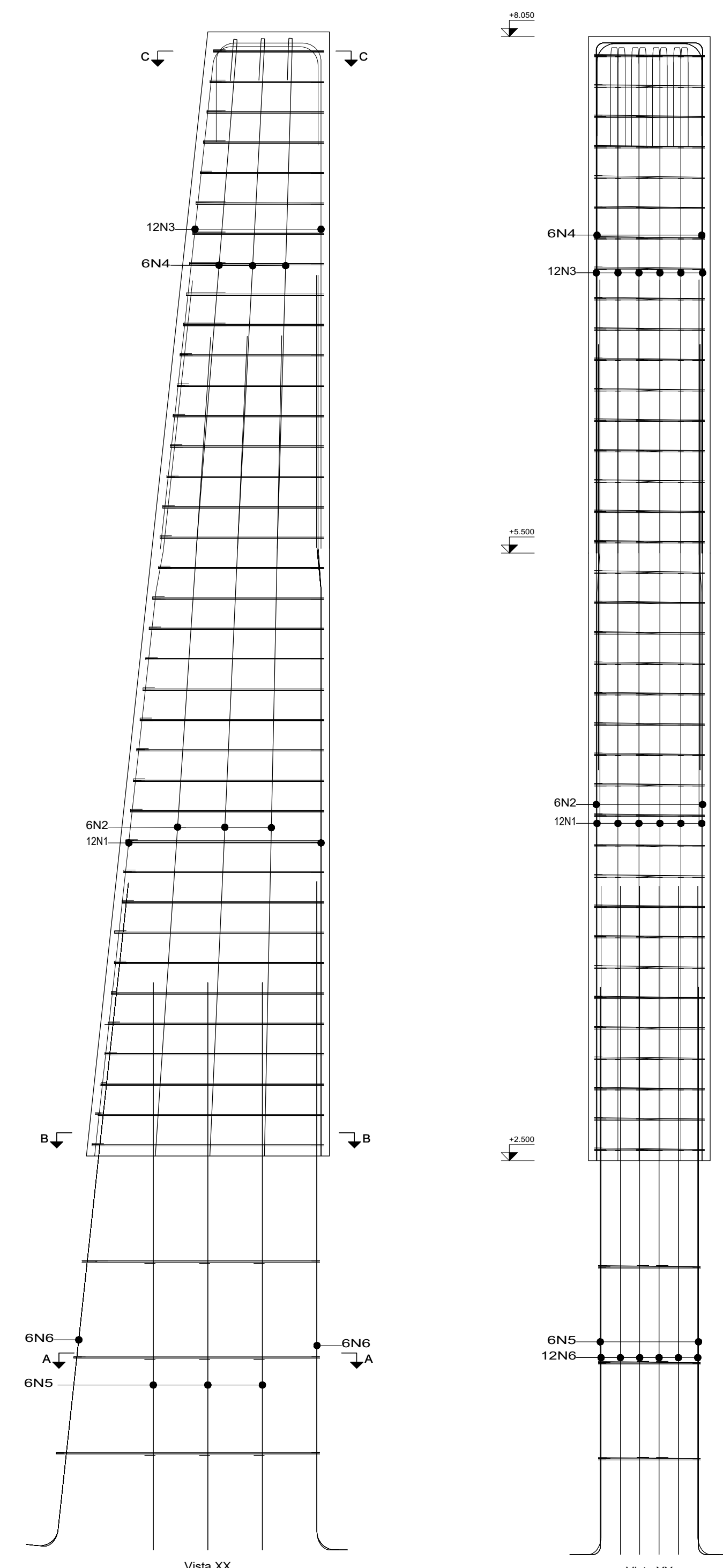
Viga paralela Y



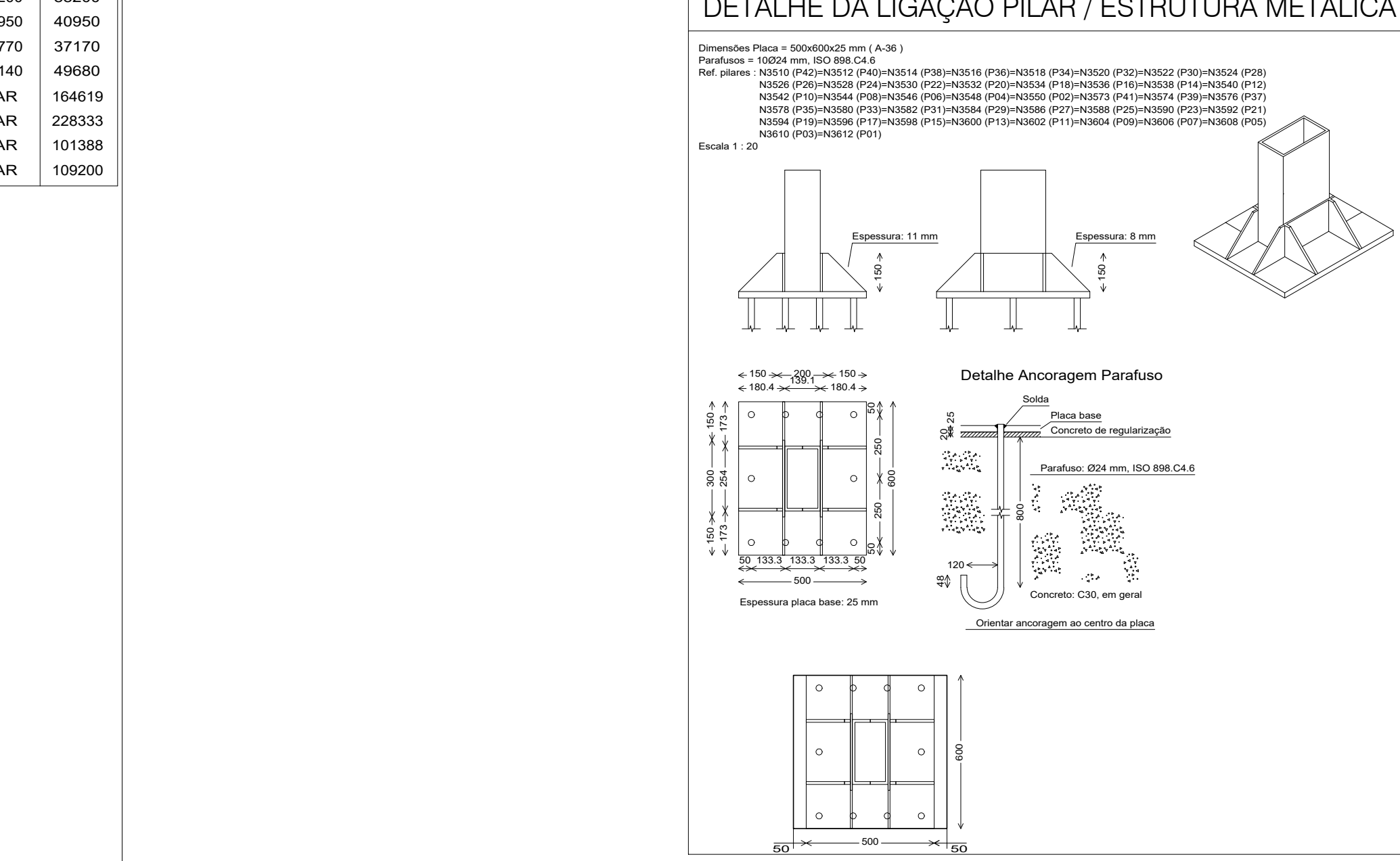
Referências	QUADRO DE ELEMENTOS DE FUNDAÇÃO					
	Dimensões (cm)	Altura (cm)	Estacas	Armadura inf. X	Armadura inf. Y	Armadura sup. X
P01, P03, P05, P07, P09, P11, P13, P15, P17, P19, P21, P23, P25, P27, P29, P31, P33, P35, P37, P39 e P41	500 x 250	200	Tipo HC 50, Penetração 10 cm	Ø8x20	Ø8x20	Ø10x20

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P01+P03+P05+P07	1	Ø8	13	185	539	185	909	11817	46.7	
P09+P11+P13+P15	2	Ø8	28	184	230	184	607	10960	67.1	
P17+P19+P21+P23	3	Ø10	13	30	539	30	599	7787	48.0	
P25+P27+P29+P31	4	Ø10	28	30	239	30	299	8372	51.6	
P33+P35+P37+P39	5	Ø8	8	38	541	38	617	4936	19.5	
P41	6	Ø8	8	38	241	38	317	2536	10.0	
	7	Ø8	8	38	541	38	617	4936	19.5	
	8	Ø8	8	38	241	38	317	2536	10.0	
	9	Ø12.5	8	30	541	30	601	4808	46.3	
	10	Ø12.5	8	30	541	30	601	4808	46.3	
	11	Ø12.5	8	30	241	30	301	2408	23.2	
	12	Ø12.5	8	30	241	30	301	2408	23.2	
	13	Ø12.5	8	30	241	30	301	2408	23.2	
	14	Ø12.5	8	30	241	30	301	2408	23.2	
Total+10%:									503.6	
(x0.1)									10575.6	
Ø8:									3992.1	0.0
Ø10:									2299.5	0.0
Ø12.5:									4284.0	0.0
Total:									10575.6	0.0

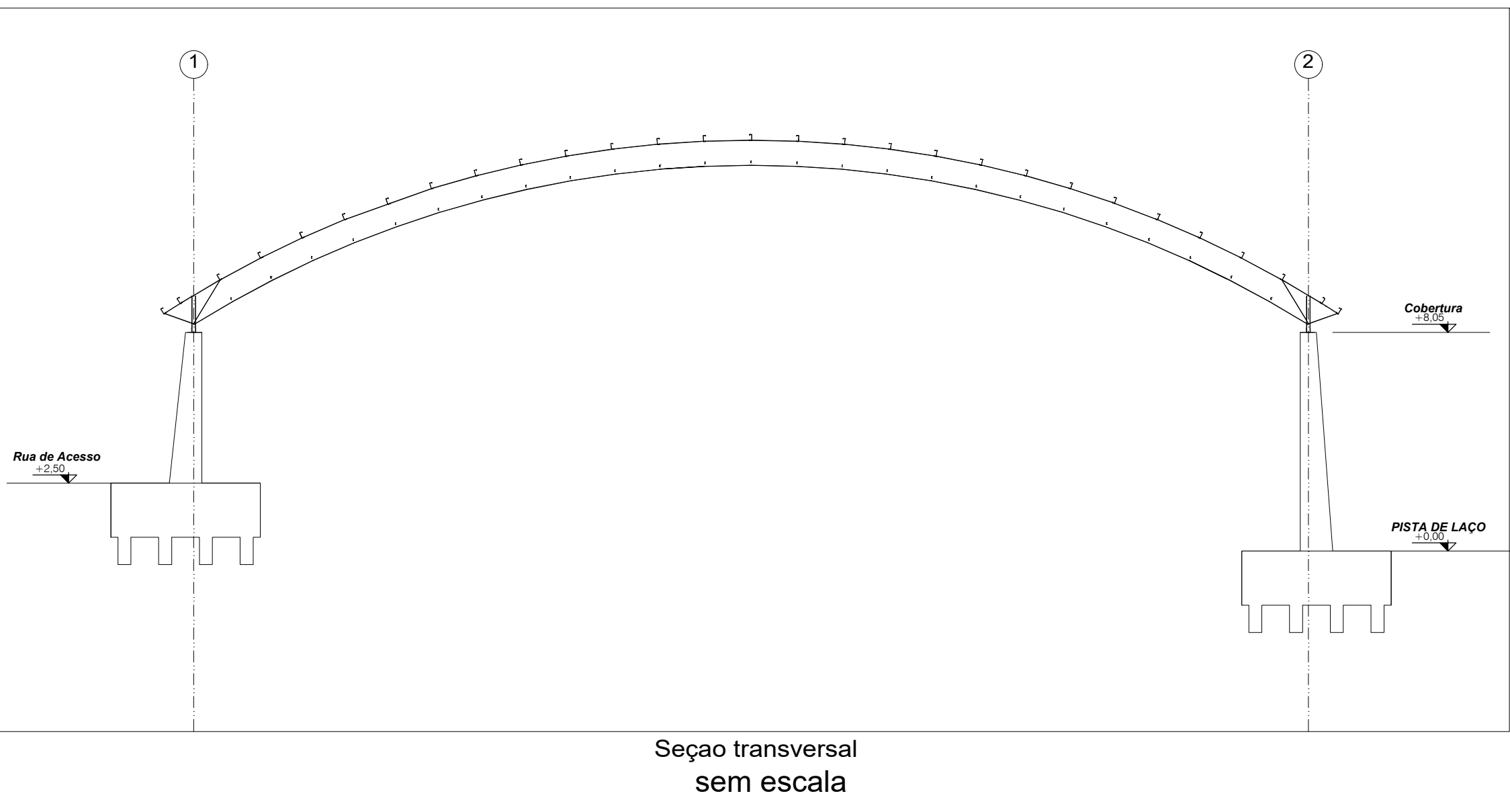
P01=P41=P03=P05=P07=P09=P11=P13=P15=P17=P19=P21=P23=P25=P27=P29=P31=P33=P35=P37=P39



Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	x 21 (cm)
1	Ø30	12	435	9230	108620
2	Ø12.5	6	405	2430	51030
3	Ø20	12	350	4200	88200
4	Ø12.5	6	325	1950	40950
5	Ø12.5	6	295	1770	37170
6	Ø20	12	345	4140	49680
7	Ø6.3	37	VAR	VAR	164619
8	Ø6.3	37	VAR	VAR	228333
9	Ø6.3	37	VAR	VAR	101388
10	Ø6.3	74	VAR	VAR	109200



Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P01=P41	1	Ø20	12	350	4200	88200	178.1	
	2	Ø12.5	6	325	1950	40950	43.9	
	3	Ø6.3	37	VAR	VAR	349	12913	31.6
	4	Ø6.3	37	VAR	VAR	169	6253	15.3
	5	Ø6.3	74	VAR	VAR	68	5032	12.3
	6	Ø6.3	148	VAR	VAR	130	19340	47.1
	7	Ø20	12	350	4200	385	4620	114.0
	8	Ø12.5	6	325	1950	320	2560	24.7
	9	Ø6.3	3	VAR	VAR	333	999	2.4
Total+10%:							3017.4	
(x0.1)							628034.8	
P03=P05=P07=P09	1	Ø20	12	350	4200	605	7260	179.1
P11+P13+P15+P17	2	Ø12.5	6	325	1950	570	3420	32.9
P19+P21+P23+P25	3	Ø6.3	37	VAR	VAR	308	11396	27.9
P27+P29+P31+P33	4	Ø6.3	37	VAR	VAR	349	12913	31.6
P35+P37+P39	5	Ø6.3	37	VAR	VAR	67	2479	6.1
	6	Ø6.3	74	VAR	VAR	128	9472	23.2
	7	Ø20	12	350	4200	385	4620	114.0
	8	Ø12.5	6	325	1950	320	1920	18.5
	9	Ø6.3	3	VAR	VAR	63	189	0.5
	10	Ø6.3	3	VAR	VAR	124	744	1.8
	11	Ø6.3	6	VAR	VAR	124	744	1.8
Total+10%:							481.8	
(x10.1)							18154.2	
Ø6.3:							2162.2	0.0
Ø12.5:							1226.4	0.0
Ø20:							6770.4	0.0
Total:							10189.0	0.0



Escala 1:20		Concreto		Armadura CA-50 e CA-60		Taxa	
Planta	Dimensão (cm)	Tipo: C30, em geral	Longitudinal	Estados	Total +10 %	(kg/m3)	
prumada	VAR	Volume: 1 Formas (m3)	349.9	70.4	463.3	154.1	
Total (Ø21)		62.9	349.6	7347.1	1478.7	9708.3	154.1

ESTRUTURAL - DETALHE CA

CLIENTE: PREFEITURA MUNICIPAL DE ITAÚ

LOCAL DA OBRA: RUA TIMOTEO CORREIA, 1177 - CENTRO DE EVENTOS - CEP: 84.466-000 - ITAÚ - PR

COORDENADOR: NELSON MAUCINI

PROJETO: NELSON MAUCINI

DATA: 21/07/2020

FONE CONTATO:

PRANCHETA Nº:

NELSON MAUCINI

PREFEITO MUNICIPAL

02/06

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02/06

ESCALA: 1:20