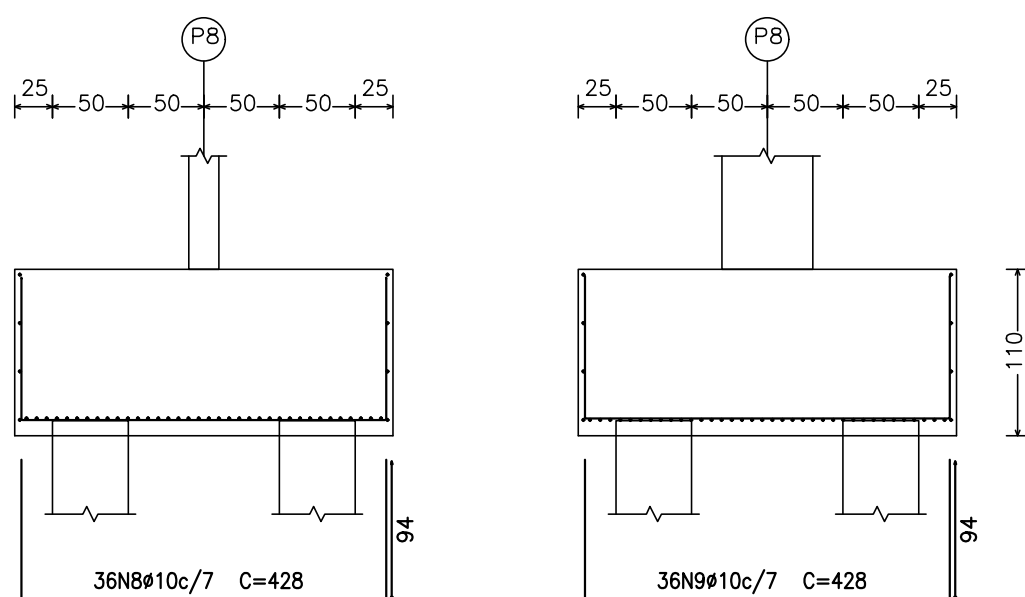
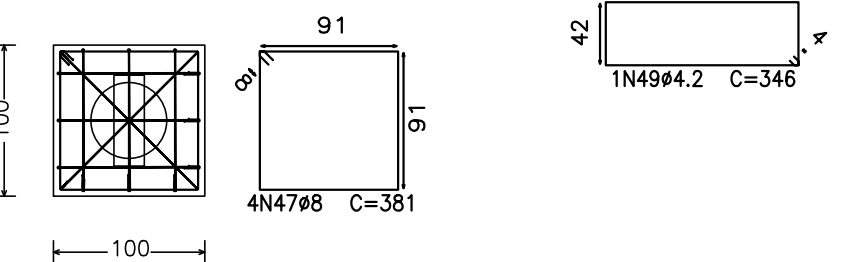
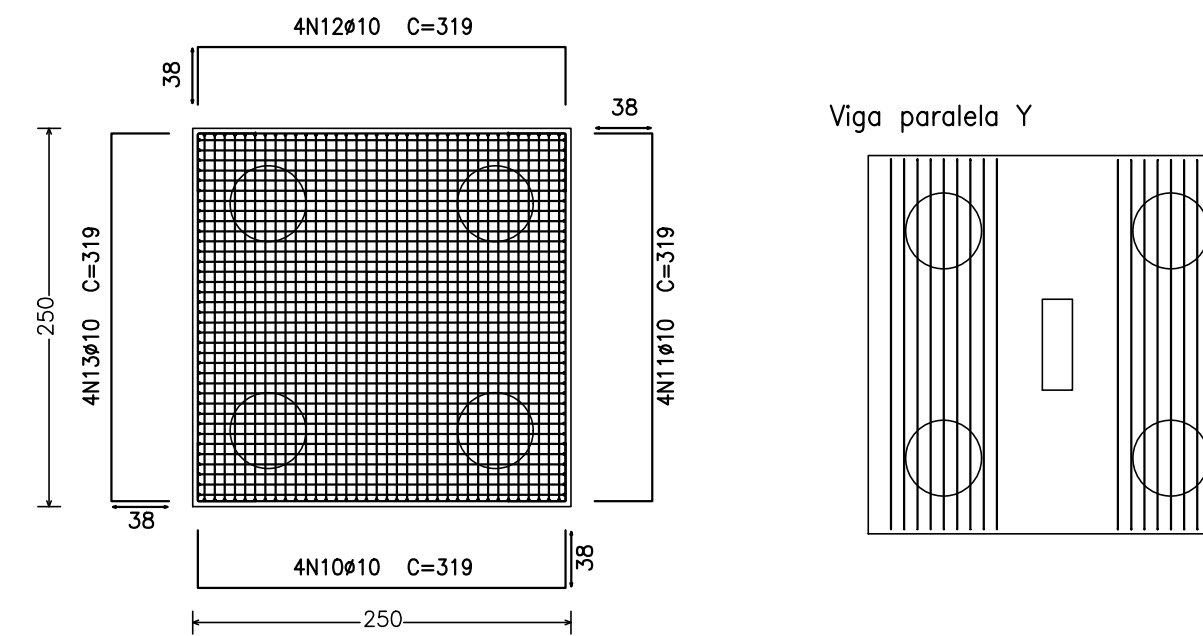


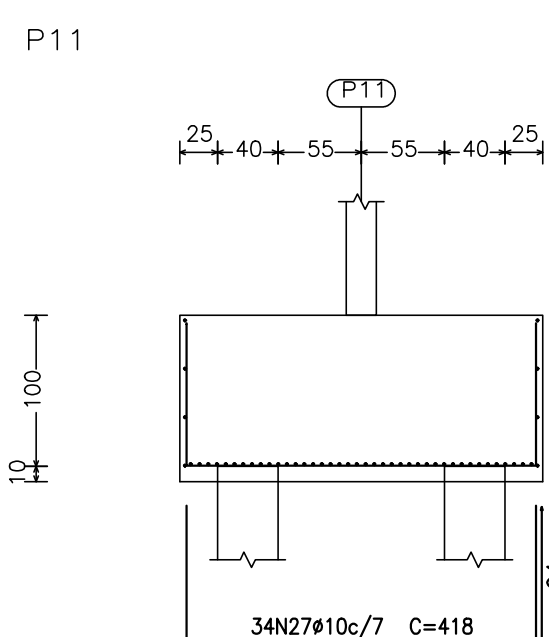
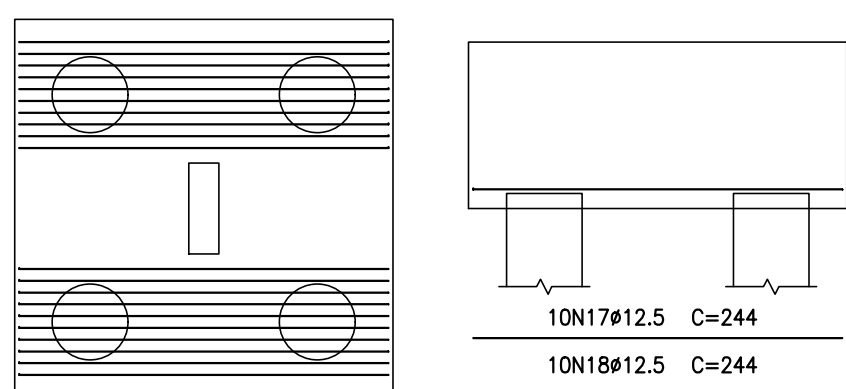
Estacas: EST 500



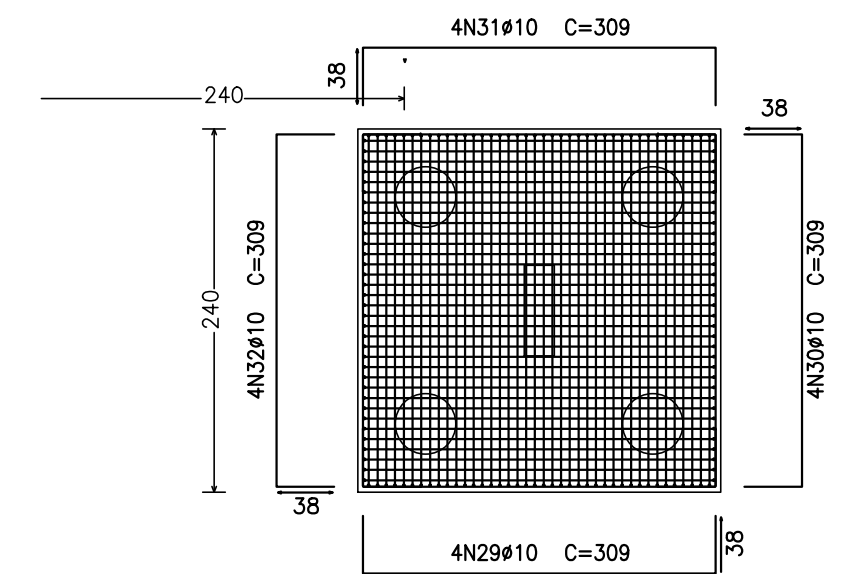
Estacos: EST 500



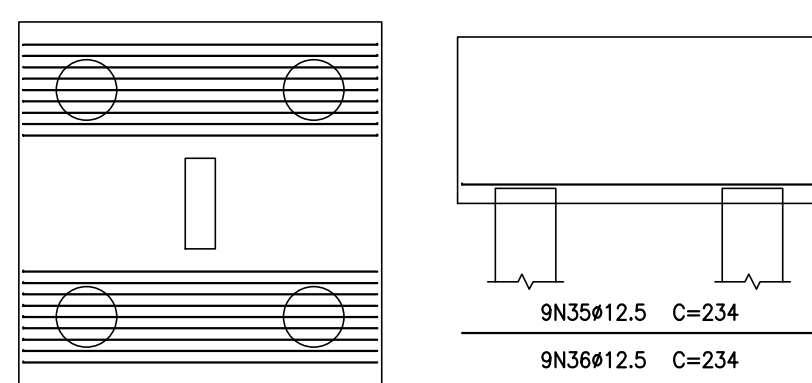
Viga paralela X



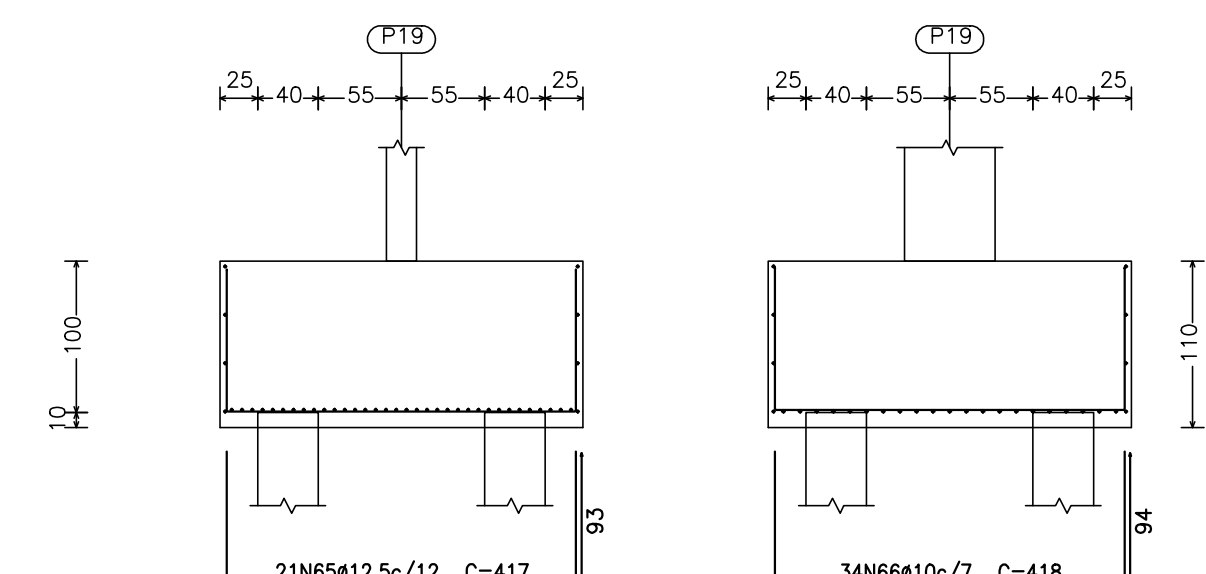
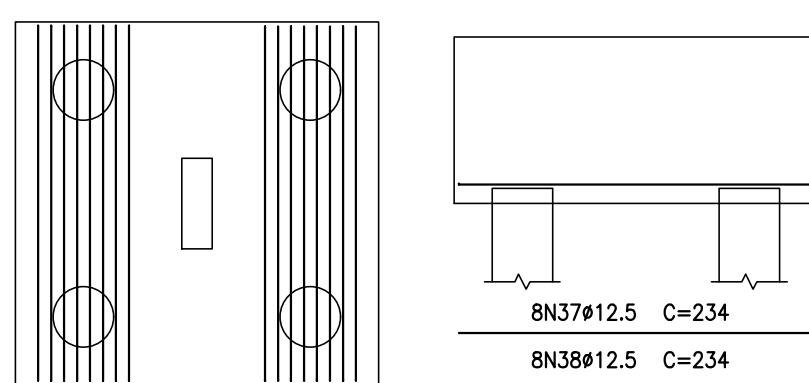
Estacos: EST 400



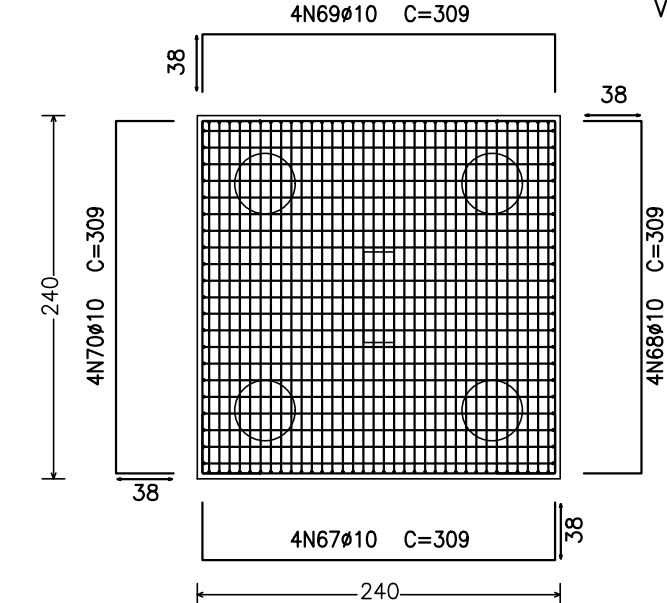
Viga paralela X



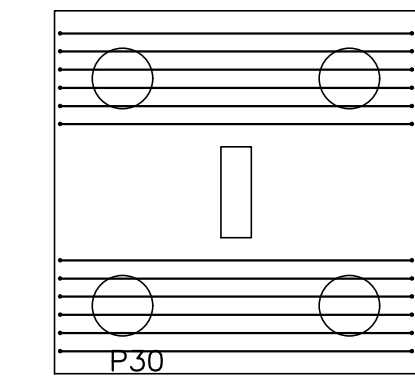
Viga paralela Y



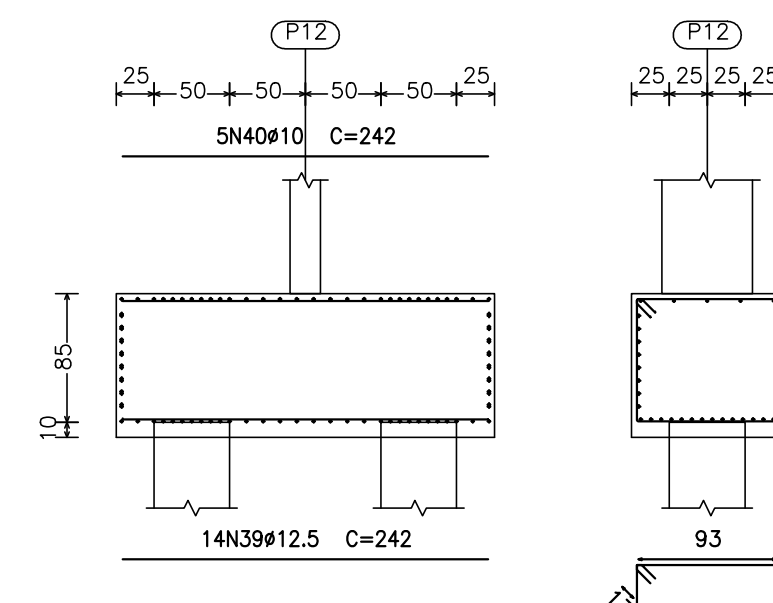
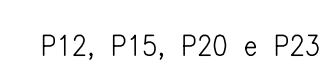
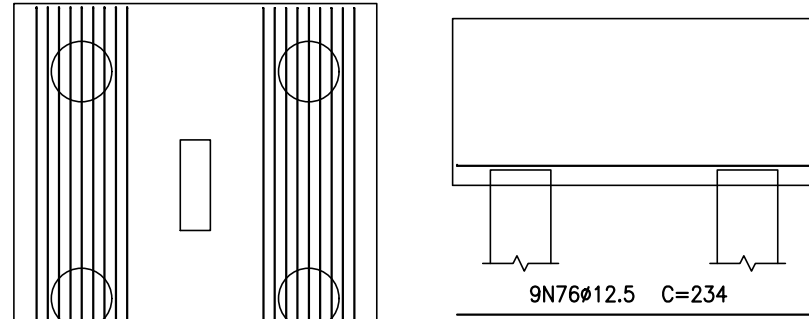
Estacas: EST 400



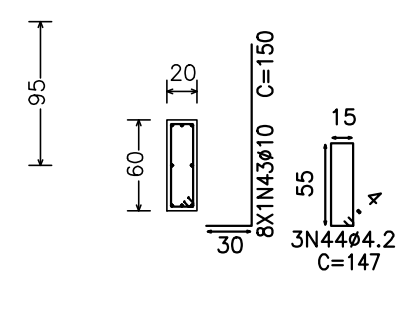
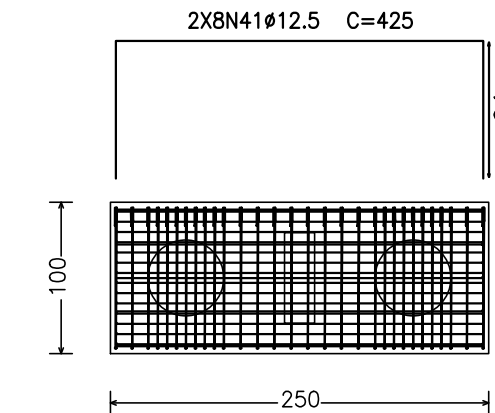
Viga paralela X



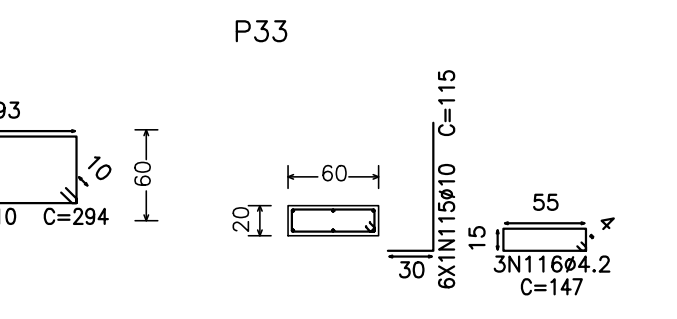
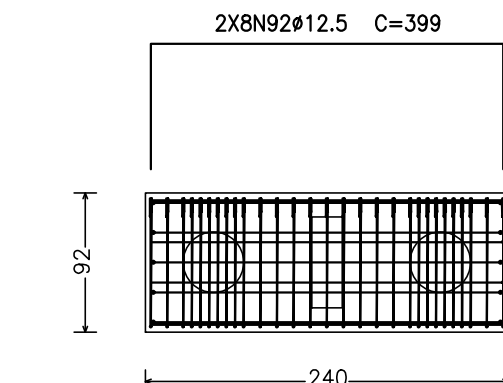
Viga paralela



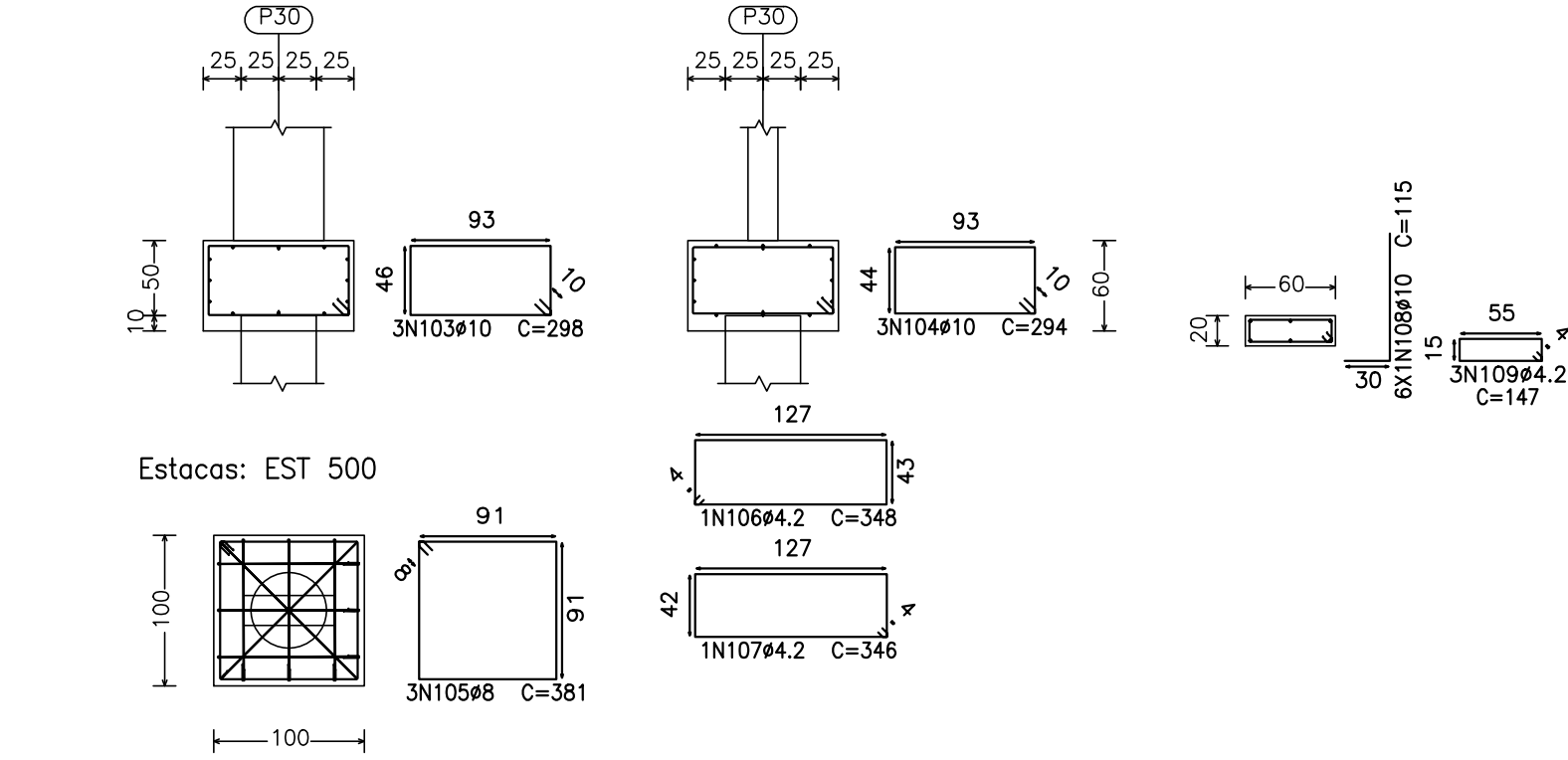
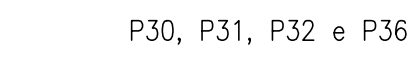
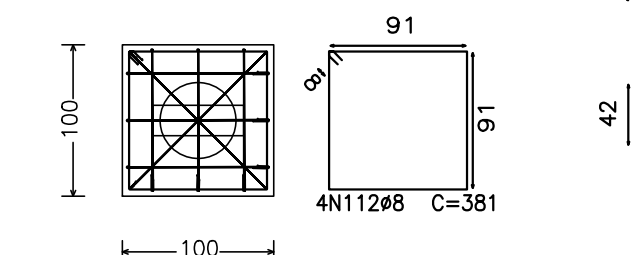
Estacas: EST 500



Estacos: EST 41



Estacas: EST 50



P33nP37	110	110	3	298	298	894	5.6
	111	110	3	294	294	882	5.5
	112	110	4	381	381	1524	6.1
	113	112	1	348	348	348	
	114	112	1	348	348	348	
	115	110	6	85	115	690	4.3
	116	112	3	147	147	441	
				Total+10%	(x2)	23.5	
				10%	47.0	0.0	
				10%	52.8	0.0	
				10%	1455.0	0.0	
				10%	1772.0	0.0	
				10%	244.5	0.0	
				10%	78.1	0.0	
				Total	3632.4	0.0	

Resumo Aço Fundação	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	273.7	803	
Ø6.3	483.8		
Ø10	4214.6	2916	
Ø12.5	4162.9	4520	
Ø16	337.1	582	
Ø20	28.7	78	8387
CA-60-B	770.3	77	
Ø4.2	197.4	34	111
Ø5.0			
Total			8498

Elemento	Pos.	Diagn.	Q	DOB	Ret	Comp	Comp	CA-50	AI(A-80)	
				(cm)	(cm)	(cm)	(cm)	(kg)	(kg)	
P8	8	010	36	94	240	94	428	15208	96.8	
	9	010	4	36	94	240	94	428	15208	
	10	010	4	36	243	38	139	1276	8.0	
	11	010	4	36	243	38	139	1276	8.0	
	12	010	4	36	243	38	139	1276	8.0	
	13	010	4	36	243	38	139	1276	8.0	
	14	012,5	4	30	143	173	692	6.8		
	15	016	12	30	147	147	234	2196	15.0	
	16	042,5	3		244	244	2440	23.9		
	17	012,5	10		244	244	2440	23.9		
	18	012,5	10		244	244	2440	23.9		
	19	012,5	9		244	244	2196	21.5		
	20	012,5	9		244	244	2196	21.5		
	Total=1080							394.0	0.6	
P9	21	020	5	26	240	240	292	1440	36.1	
	22	010	3	30	147	147	147	147	147	
	23	012,5	12	91	243	91	425	5100	50.0	
	24	012,5	12		244	107	252	10958	10.2	
	25	010	6	30	109	139	834	5.2		
	26	042,5	3		147	147	147	147	147	
	Total=1080							219.0	0.6	
P11	27	010	34	94	230	94	418	14212	89.3	
	28	010	34	94	230	94	418	14212	89.3	
	29	010	4	38	233	38	139	1236	7.8	
	30	010	4	38	233	38	139	1236	7.8	
	31	010	4	38	233	38	139	1236	7.8	
	32	010	4	38	233	38	139	1236	7.8	
	33	012,5	16	30	143	173	2196	27.2		
	34	042,5	3		244	244	147	147	147	
	35	012,5	9		234	234	2196	20.7		
	36	016	12	30	147	147	234	2196	20.7	
	37	012,5	9		234	234	1872	18.4		
	38	012,5	9		234	234	1872	18.4		
	Total=1080							364.0	0.6	
P13+P15+P20+P3										
	40	010	16	24	243	243	243	243	243	
	41	010	16	24	242	242	1210	76.7		
	42	012,5	16	91	243	91	425	4860	66.0	
	43	010	3	30	120	120	11160	10.2		
	44	042,5	3		120	150	1200	7.5		
Total=1080							249.0	0.6		
P13+P14+P15+P22										
	45	010	3		298	298	984	8.6		
	46	010	3		298	298	882	5.5		
	47	010	3		381	381	381	381	381	
	48	042,5	1		348	348	348	348	348	
	49	042,5	1		348	348	348	348	348	
	50	010	6	30	85	115	690	4.3		
	51	042,5	3		147	147	147	147	147	
Total=1080					235.1					0.6
					141.0					8.4
P16	52	010	34	94	230	94	418	14212	89.3	
	53	010	40	94	230	94	418	16720	105.8	
	54	010	4	38	233	38	139	1236	7.8	
	55	010	4	38	233	38	139	1236	7.8	
	56	010	4	38	233	38	139	1236	7.8	
	57	010	4	38	233	38	139	1236	7.8	
	58	012,5	8	30	143	173	1384	13.6		
	59	016	4	30	156	168	168	168	168	
	60	042,5	3		147	147	147	147	147	
	61	016	6	19	232	19	150	1620	25.4	
	62	016	6	19	232	19	150	1620	25.4	
	63	012,5	9		234	234	1872	18.4		
	64	012,5	9		234	234	1872	18.4		
	Total=1080							372.2	0.6	
P19	65	012,5	2	83	231	83	417	8757	85.9	
	66	010	34	94	230	94	418	14212	89.3	
	67	010	4	38	233	38	139	1236	7.8	
	68	010	4	38	233	38	139	1236	7.8	
	69	010	4	38	233	38	139	1236	7.8	
	70	010	4	38	233	38	139	1236	7.8	
	71	016	8	30	125	185	1480	23.2		
	72	012,5	6	30	173	173	1102	10.2		
	73	042,5	3		147	147	147	147	147	
	74	016	6	19	232	19	150	1620	25.4	
	75	016	6	19	232	19	150	1620	25.4	
	76	012,5	9		234	234	2196	20.7		
	77	012,5	9		234	234	2196	20.7		
Total=1080							365.2	0.6		
P24	78	010	34	94	230	94	418	14212	89.3	
	79	010	40	94	230	94	418	16720	105.8	
	80	010	4	38	233	38	139	1236	7.8	
	81	010	4	38	233	38	139	1236	7.8	
	82	010	4	38	233	38	139	1236	7.8	
	83	010	4	38	233	38	139	1236	7.8	
	84	012,5	16	30	143	173	2196	27.2		
	85	042,5	3		244	244	147	147	147	
	86	016	6	19	232	19	150	1620	25.4	
	87	016	6	19	232	19	150	1620	25.4	
	88	012,5	9		234	234	2196	20.7		
	89	012,5	9		234	234	2196	20.7		
	Total=1080							365.2	0.6	
	P25	90	020	5	26	230	26	282	1410	34.9
91		010	3	30	122	122	1152	8.8		
92		012,5	16	83	232	83	356	4324	58.8	
93		012,5	16		233	107	356	10324	101.3	
94		010	6	30	119	149	834	5.2		
95		042,5	3		147	147	147	147	147	
Total=1080							231.2	0.6		
P26+P29										
	96	010	3		298	298	984	8.6		
	97	010	3		298	298	882	5.5		
	98	010	3		381	381	381	381	381	
	99	042,5	1		348	348	348	348	348	
	100	042,5	1		348	348	348	348	348	
	101	010	6	30	85	115	690	4.3		
	102	042,5	3		147	147	147	147	147	
Total=1080					219.1					1.4
					43.8					2.8
P30+P31+32=P36										
	103	010	3		298	298	984	8.6		
	104	010	3		298	298	882	5.5		
	105	08	3		381	381	381	381	381	
	106	042,5	1		348	348	348	348	348	
	107	042,5	1		348	348	348	348	348	
	108	010	6	30	85	115	690	4.3		
	109	042,5	3		147	147	147	147	147	
Total=1080					219.1					1.4
					43.8					2.8

Nota:

Planta de referência de bloco de fundação: Prancha 03/64.

AVALIAÇÃO DA QUALIDADE DA ESTRUTURA			
RECEBIMENTO PROVISÓRIO		ACEITAÇÃO DEFINITIVA	
PRANCHA REVISADA			
AVALIADOR/CREA:		RT DO PROJETO ORIGINAL:..	
BRUNO SILVEIRA MARTINS - 148751/D		KÊNIO ÁVILA FERNANDES	
		AVALIADOR	
		BRUNO SILVEIRA MARTINS - 148751/D	
REVISÃO	DESCRIÇÃO		DATA
00	EMISSÃO INICIAL		15/09/17
01	NADA A REVISAR		
02	NADA A REVISAR		
03	NADA A REVISAR		
04	REVISÃO MUROS EM BLOCO		03/07/18
05	NADA A REVISAR		
06	NADA A REVISAR		
07	LICIT RESIDUAL: SOMENTE NUMERAÇÃO SEM REVISÃO PROJETO		05/05/21
REVISÕES			
<p>MINISTÉRIO PÚBLICO DO ESTADO DE MINAS GERAIS</p> <p>SEDE DAS PROMOTORIAS DE JUSTIÇA DE PATOS DE MINAS</p>			
ENDEREÇO:		ÁREA TERRENO:	
AVENIDA ANGRA DOS REIS, S/N - BAIRRO COPACABANA		10.293,06m²	
PATOS DE MINAS - MG		ÁREA CONSTRUÍDA:	
		2.860,04m²	
PROPRIETÁRIO:		CNPJ:	
		20.971.057/0001-45	
PROCURADORIA GERAL DE JUSTIÇA DO ESTADO DE MINAS GERAIS			
PROJETO DE ESTRUTURA DE CONCRETO ARMADO			
EMPRESA:		CNPJ:	
PRIMEIRA ENGENHARIA LTDA		14.920.928/0001-07	
RESPONSÁVEIS TÉCNICOS:		CREA:	
KÊNIO ÁVILA FERNANDES		MG-70.918/D	
CONTEÚDO:		DATA:	
DETALHAMENTO DE FUNDAÇÃO		15/09/17	
		FOLHA:	
		05/64	