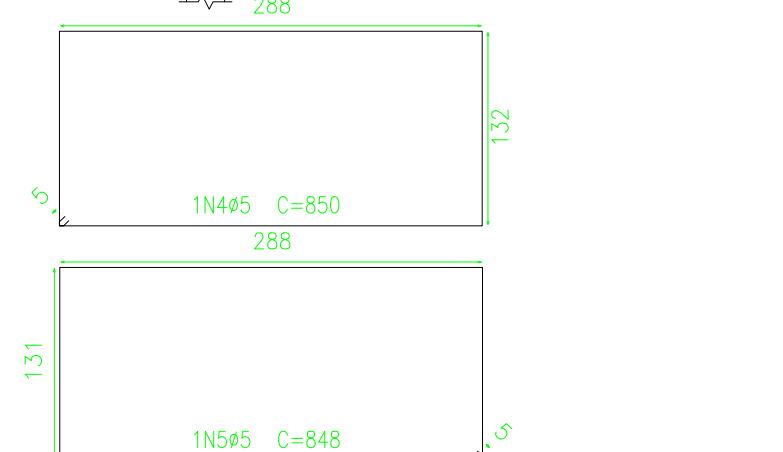
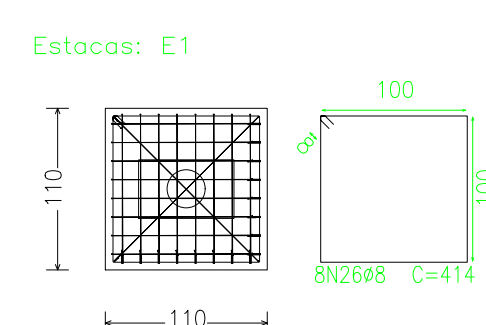
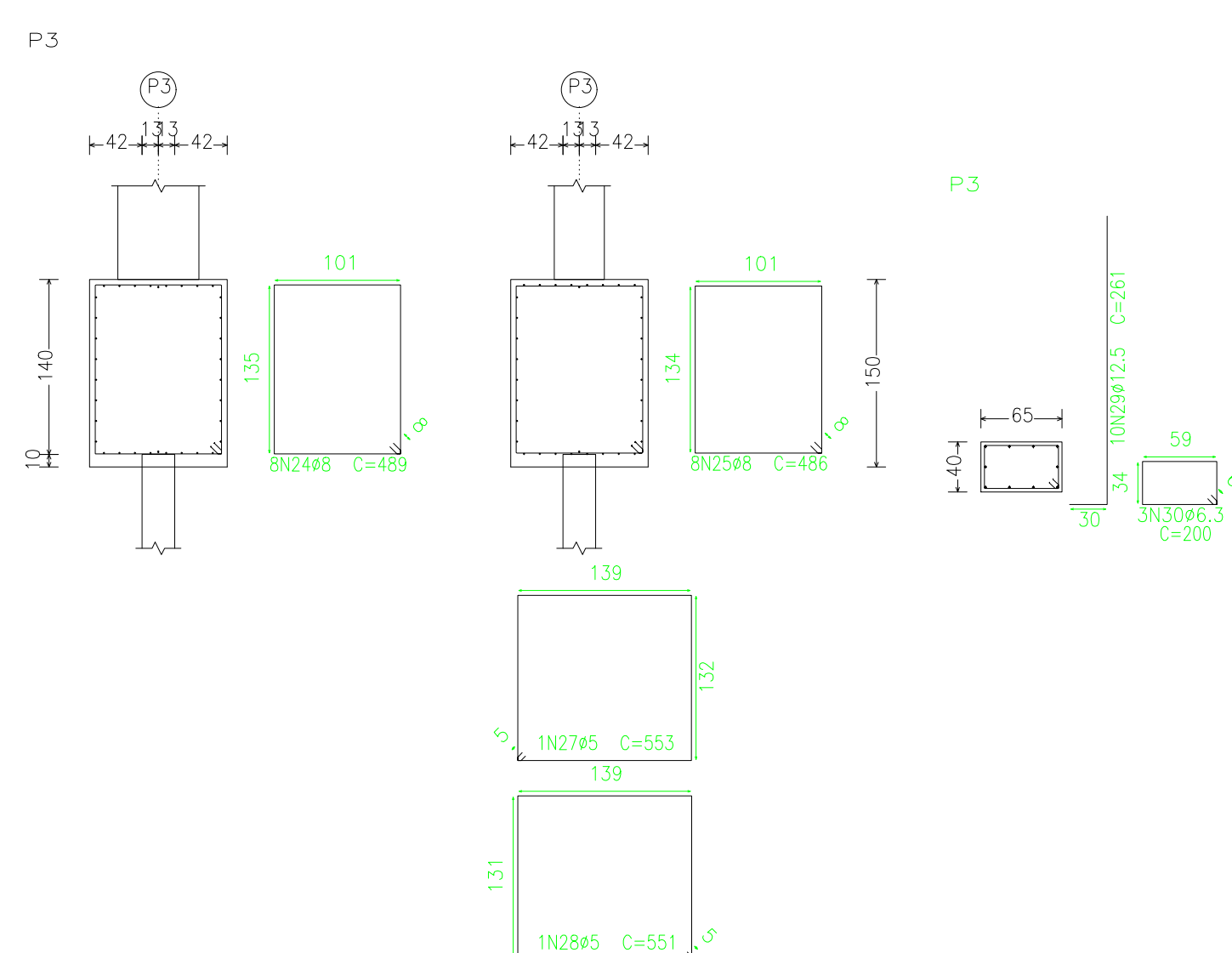
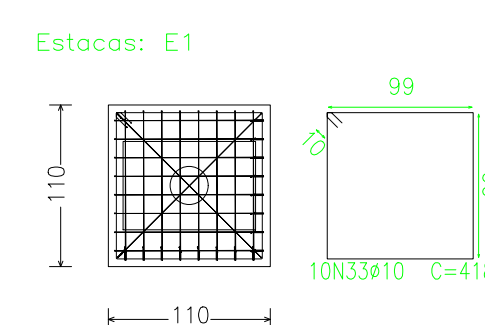
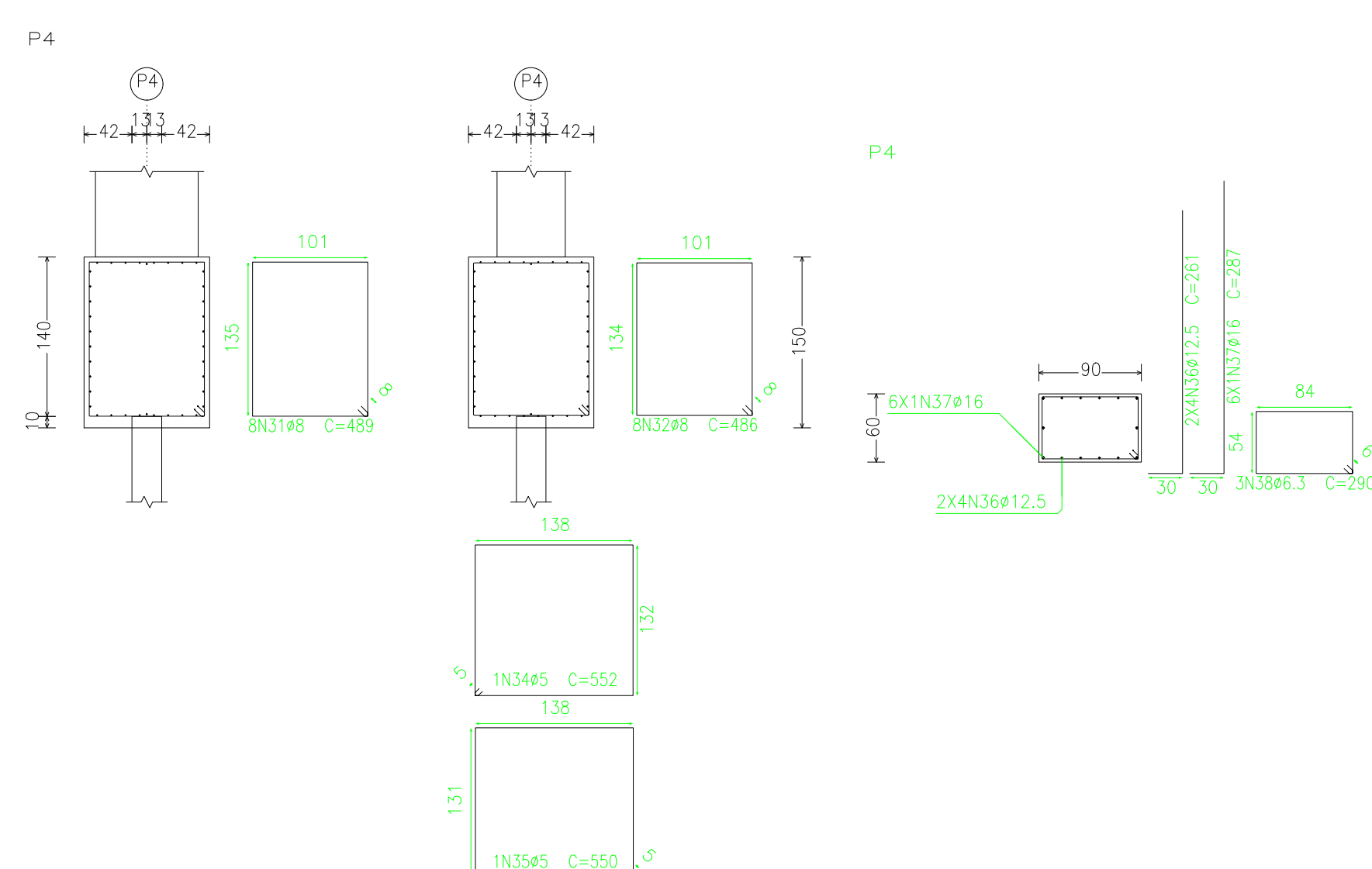
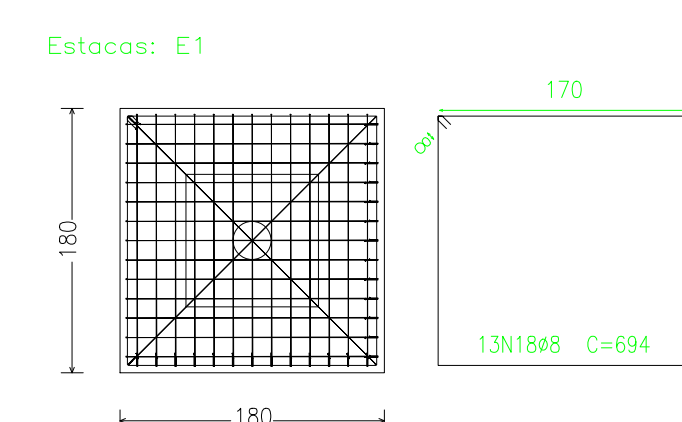
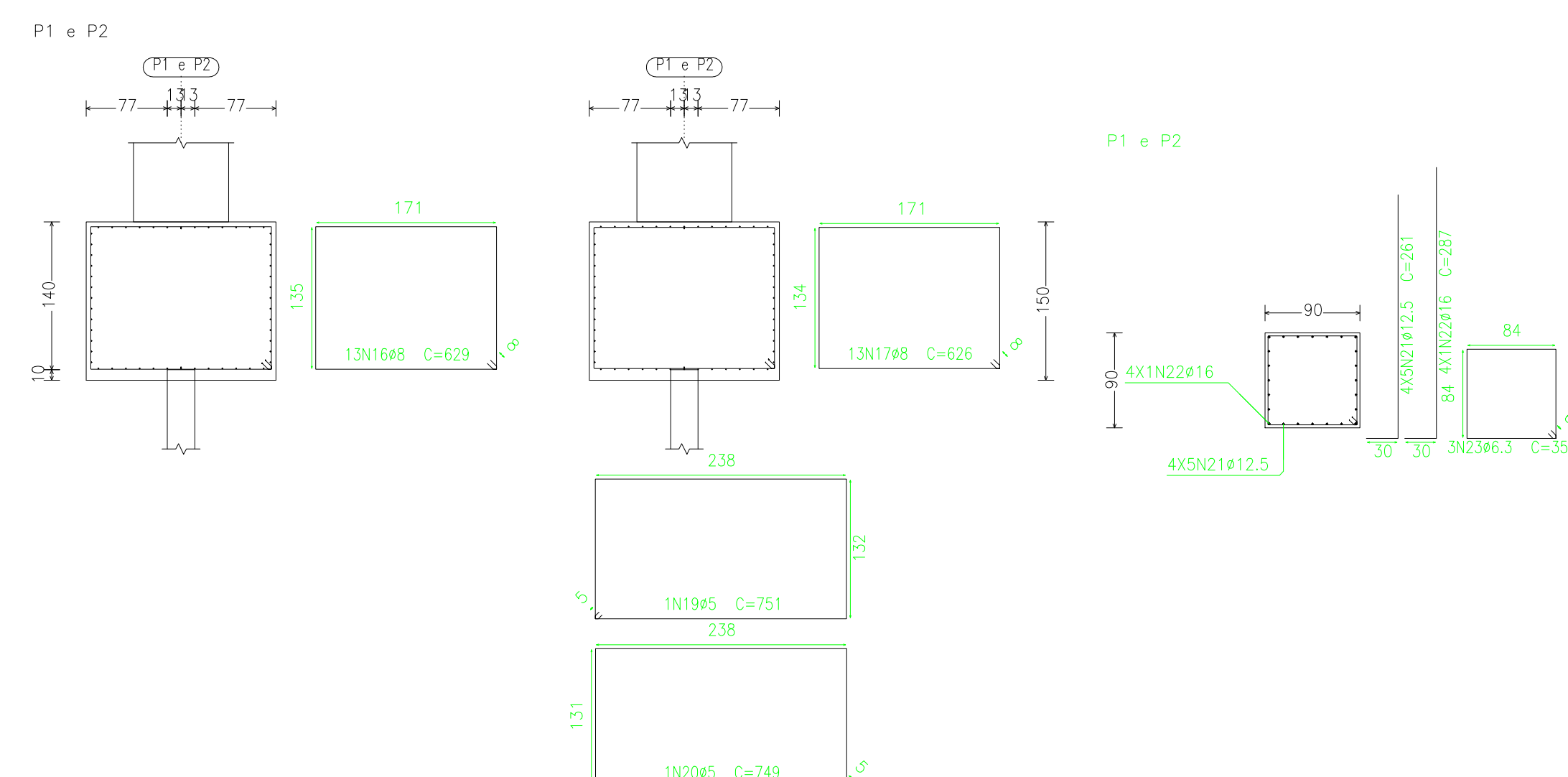


Elemento	Pos.	Diag.	Q	Do	Ret	Do	Comp	Total	As	Do	As
(76-78-79-75)					(%)	(%)	(%)	(%)	(%)	(%)	(%)
P1	1	48	8	0	719	486	489	5672	22.4		
	2	48	8	0	804	486	489	5672	22.4		
	3	48	8	0	819	486	489	5672	22.4		
	4	48	8	0	819	486	489	5672	22.4		
	5	48	8	0	819	486	489	5672	22.4		
	6	48	8	0	819	486	489	5672	22.4		
	7	48	8	0	819	486	489	5672	22.4		
	8	48	8	0	819	486	489	5672	22.4		
	9	48	8	0	819	486	489	5672	22.4		
	10	48	8	0	819	486	489	5672	22.4		
	11	48	8	0	819	486	489	5672	22.4		
	12	48	8	0	819	486	489	5672	22.4		
	13	48	8	0	819	486	489	5672	22.4		
	14	48	8	0	819	486	489	5672	22.4		
	15	48	8	0	819	486	489	5672	22.4		
P1=2	16	48	8	13	625	486	489	5672	22.4		
	17	48	8	13	625	486	489	5672	22.4		
	18	48	8	13	625	486	489	5672	22.4		
	19	48	8	13	625	486	489	5672	22.4		
	20	48	8	13	625	486	489	5672	22.4		
	21	48	8	13	625	486	489	5672	22.4		
	22	48	8	13	625	486	489	5672	22.4		
	23	48	8	13	625	486	489	5672	22.4		
	24	48	8	13	625	486	489	5672	22.4		
	25	48	8	13	625	486	489	5672	22.4		
	26	48	8	13	625	486	489	5672	22.4		
	27	48	8	13	625	486	489	5672	22.4		
	28	48	8	13	625	486	489	5672	22.4		
	29	48	8	13	625	486	489	5672	22.4		
	30	48	8	13	625	486	489	5672	22.4		
P3	25	48	8	0	489	489	489	3912	15.6		
	26	48	8	0	486	486	489	3888	15.6		
	27	48	8	0	414	414	414	3312	13.4		
	28	48	8	0	553	553	553	4426	17.7		
	29	48	8	0	553	553	553	4426	17.7		
	30	48	8	0	553	553	553	4426	17.7		
	31	48	8	0	553	553	553	4426	17.7		
	32	48	8	0	553	553	553	4426	17.7		
	33	48	8	0	553	553	553	4426	17.7		
	34	48	8	0	553	553	553	4426	17.7		
	35	48	8	0	553	553	553	4426	17.7		
	36	48	8	0	553	553	553	4426	17.7		
	37	48	8	0	553	553	553	4426	17.7		
	38	48	8	0	553	553	553	4426	17.7		
	39	48	8	0	553	553	553	4426	17.7		
P4	33	48	8	0	489	489	489	3912	15.6		
	34	48	8	0	486	486	489	3888	15.6		
	35	48	8	0	414	414	414	3312	13.4		
	36	48	8	0	553	553	553	4426	17.7		
	37	48	8	0	553	553	553	4426	17.7		
	38	48	8	0	553	553	553	4426	17.7		
	39	48	8	0	553	553	553	4426	17.7		
	40	48	8	0	553	553	553	4426	17.7		
	41	48	8	0	553	553	553	4426	17.7		
	42	48	8	0	553	553	553	4426	17.7		
	43	48	8	0	553	553	553	4426	17.7		
	44	48	8	0	553	553	553	4426	17.7		
	45	48	8	0	553	553	553	4426	17.7		
	46	48	8	0	553	553	553	4426	17.7		
	47	48	8	0	553	553	553	4426	17.7		
P5	48	48	8	0	489	489	489	3912	15.6		
	49	48	8	0	486	486	489	3888	15.6		
	50	48	8	0	414	414	414	3312	13.4		
	51	48	8	0	553	553	553	4426	17.7		
	52	48	8	0	553	553	553	4426	17.7		
	53	48	8	0	553	553	553	4426	17.7		
	54	48	8	0	553	553	553	4426	17.7		
	55	48	8	0	553	553	553	4426	17.7		
	56	48	8	0	553	553	553	4426	17.7		
	57	48	8	0	553	553	553	4426	17.7		
	58	48	8	0	553	553	553	4426	17.7		
	59	48	8	0	553	553	553	4426	17.7		
	60	48	8	0	553	553	553	4426	17.7		
	61	48	8	0	553	553	553	4426	17.7		
	62	48	8	0	553	553	553	4426	17.7		



Resumo Aço Fundação	Comp. total (m)	Peso+10% (kg)	Total
Detalhamento fundação			
CA-50	ø6,3	58,2	16
	ø8	882,5	383
	ø10	41,8	28
	ø12,5	255,8	271
	ø16	40,2	70
CA-60	ø5	69,0	12
Total			780



Fundação
Detalhamento fundação
Concreto: C20, em geral
Escala: 1:50

QUADRO DE ELEMENTOS DE FUNDAÇÃO				
Referencial	Dimensões (cm)	Altura (cm)	Estacas	Armadura perimetral
P1 a P2	180 x 180	150	Tip. E1, Penetração 10 cm	Estritos xz13AR.Estritos xz13AR.Estritos xz13AR.Estritos diagonais2MS
P3	110 x 110	150	Tip. E1, Penetração 10 cm	Estritos xz8AR.Estritos xz8AR.Estritos xz8AR.Estritos diagonais2MS
P4	110 x 110	150	Tip. E1, Penetração 10 cm	Estritos xz10M10.Estritos xz8AR.Estritos xz8AR.Estritos diagonais2MS
(P6-P9-P17-P7-P5)	200 x 210	150	Tip. E1, Penetração 10 cm	Estritos xz8AR.Estritos xz8AR.Estritos xz8AR.Estritos diagonais2MS

Projeto:	ESTRUTURAL	Data:	16/11/2023
Local:	MC-050 MG-439		
Nome:	PORTAL		
Des.no.:	Planta: ESTRUTURAL		
Autor: VINICIUS H. ALVES			