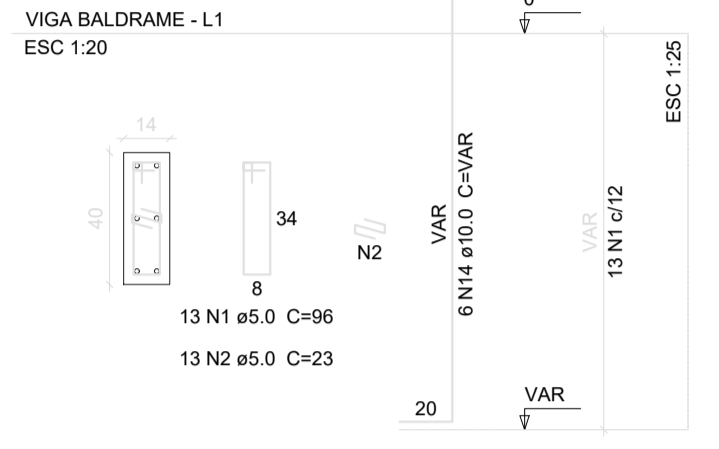
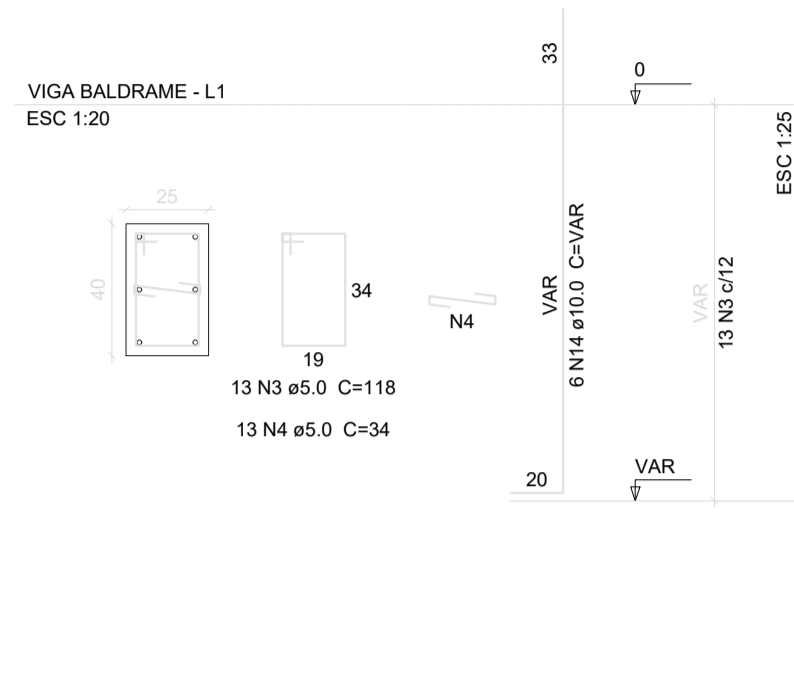


DETALHAMENTO DOS ARRANQUES

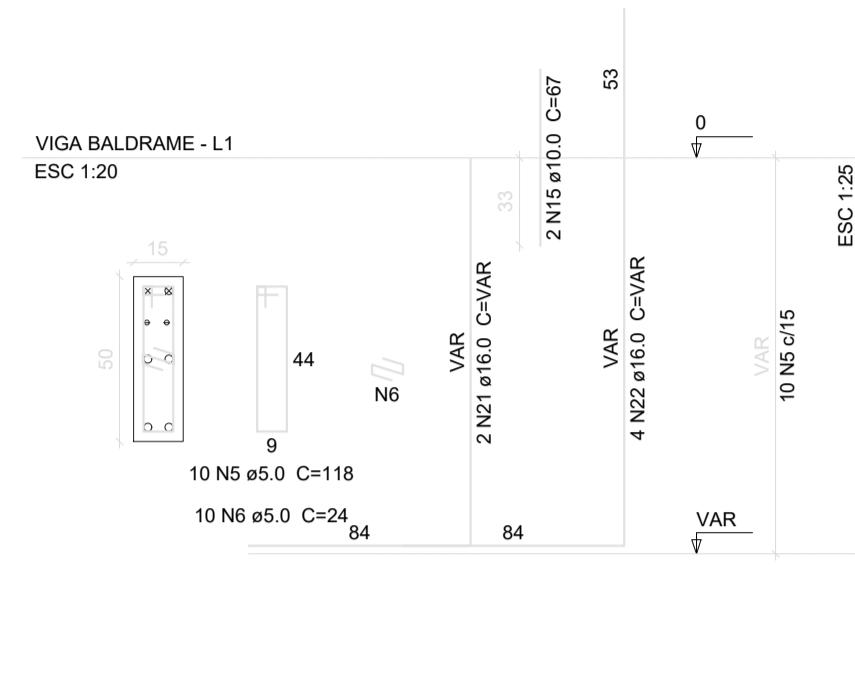
P1=P2=P4=P5=P6=P7=P8=P9=P10=P11=P12=P13  
 =P14=P15=P19=P20=P21=P23=P24=P25=P26  
 =P27=P29=P30=P31=P32=P36=P37=P38=P39  
 =P42=P44=P45=P46=P47=P48=P49=P50=P51  
 =P52=P53=P54=P55=P56=P58=P59=P60=P61  
 =P62=P63=P64=P65=P66=P67



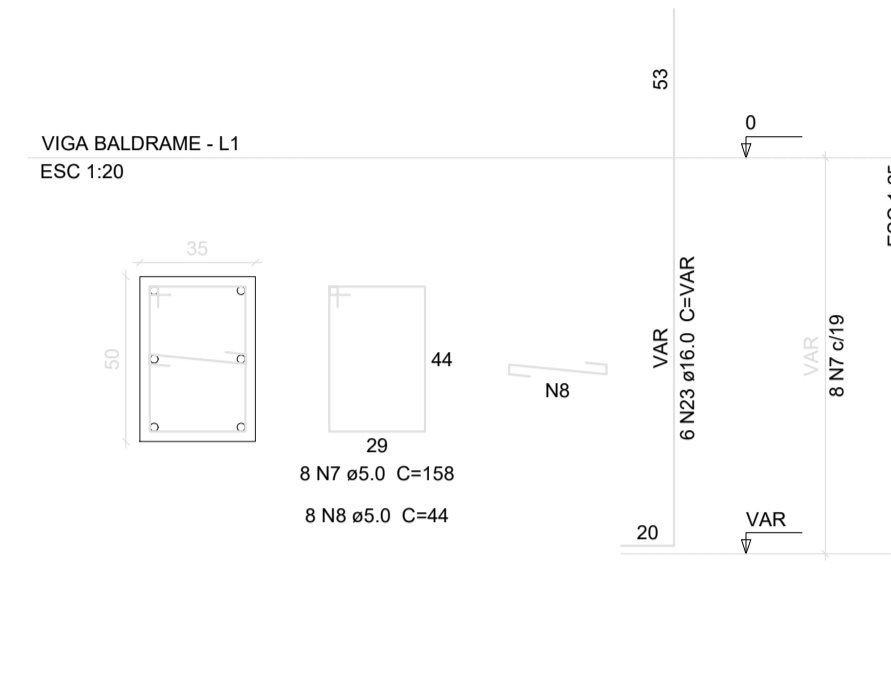
P3=P35



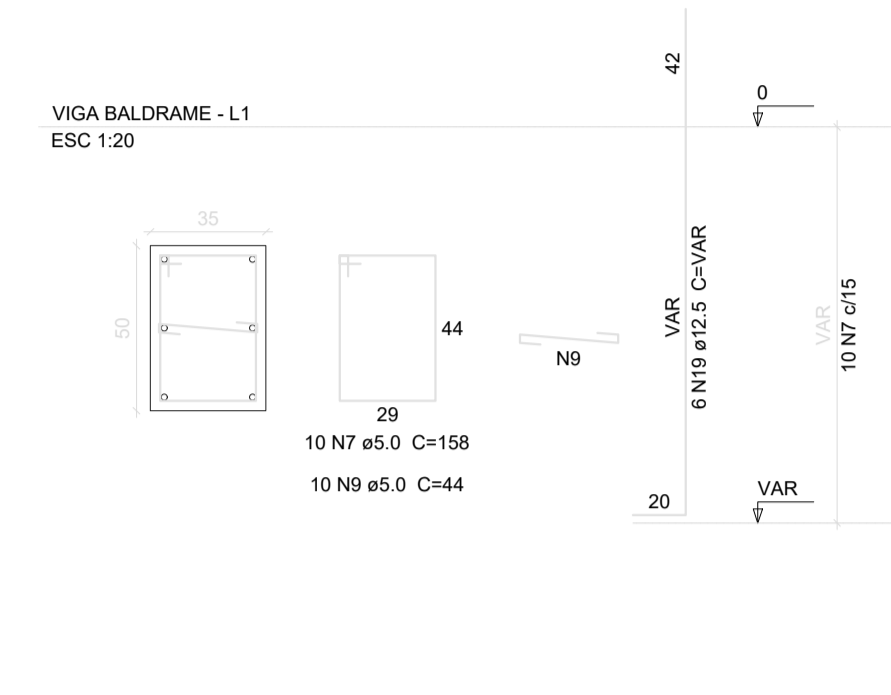
P16=P22=P33



P17



P18=P28=P34



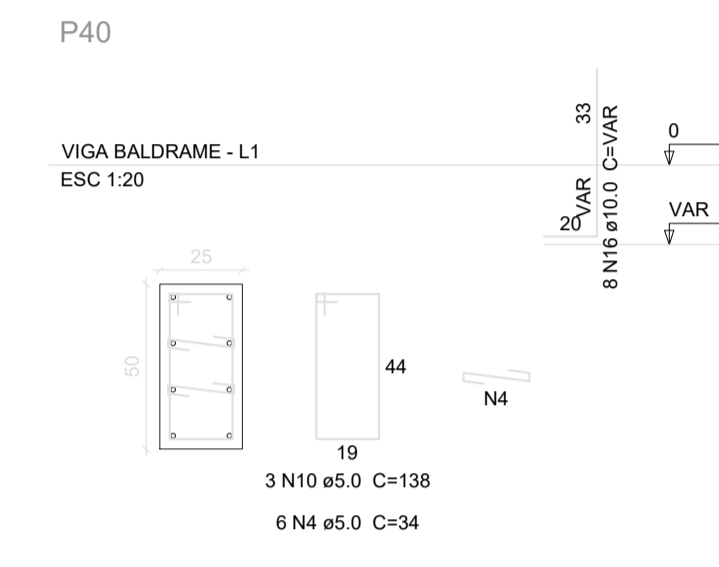
**Relação do aço**

ACAO	N	DIAM	Q	UNIT	C.TOTAL
CA50	1	5.0	715	(cm)	9560
	2	5.0	715	23	1645
	3	5.0	28	118	2068
	4	5.0	32	34	1088
	5	5.0	30	118	2060
	6	5.0	30	24	720
	7	5.0	30	158	3004
	8	5.0	8	44	382
	9	5.0	30	44	1020
	10	5.0	3	138	414
	11	5.0	4	138	422
12	5.0	17	29	483	
13	5.0	4	138	422	
14	10.0	342	VAR	VAR	
15	10.0	6	87	422	
16	10.0	8	VAR	VAR	
17	10.0	6	VAR	VAR	
18	10.0	6	VAR	VAR	
19	12.5	18	VAR	VAR	
20	12.5	6	83	688	
21	16.0	6	VAR	VAR	
22	16.0	12	VAR	VAR	
23	16.0	5	VAR	VAR	

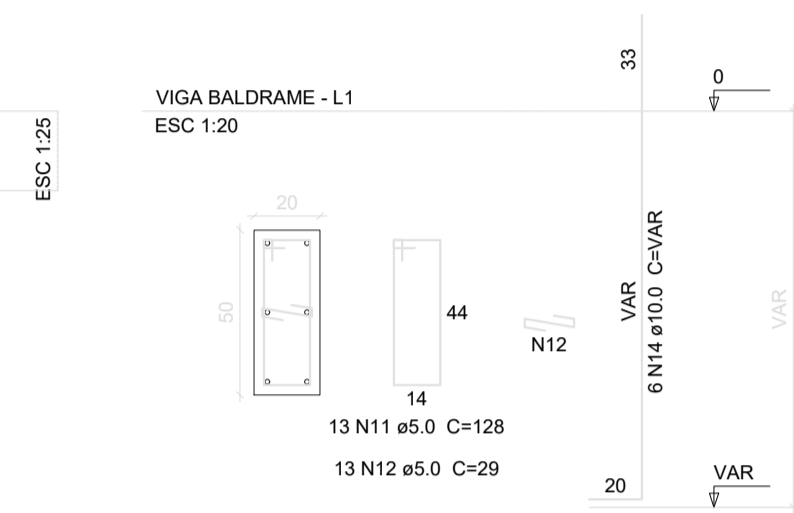
**Resumo do aço**

ACAO	DIAM	C.TOTAL	PESO + 10 %
CA50	10.0	713.6	483.9
	12.5	42.6	45.1
	16.0	60.8	105.4
	5.0	1041.8	176.8
<b>PESO TOTAL</b>			
CA50	634.5		
CA60	117.6		

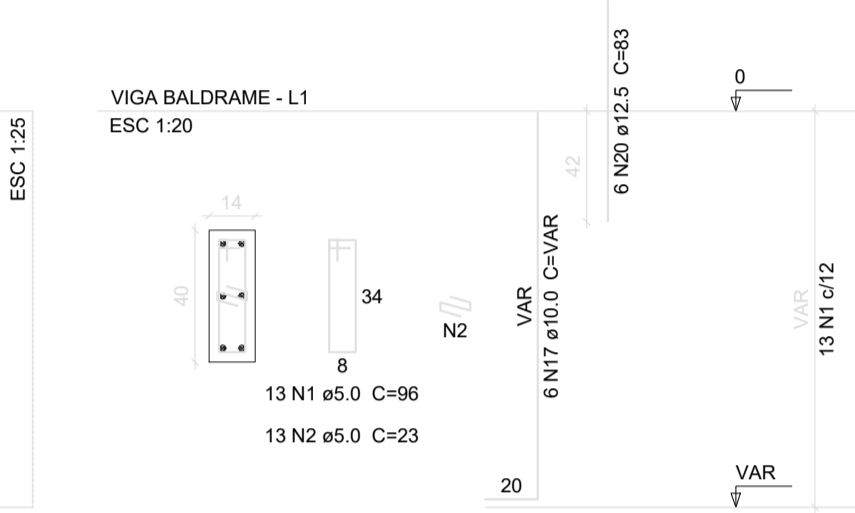
Vol. de concreto total (C-30) = 6.53 m³  
 Área de forma total = 112.14 m²



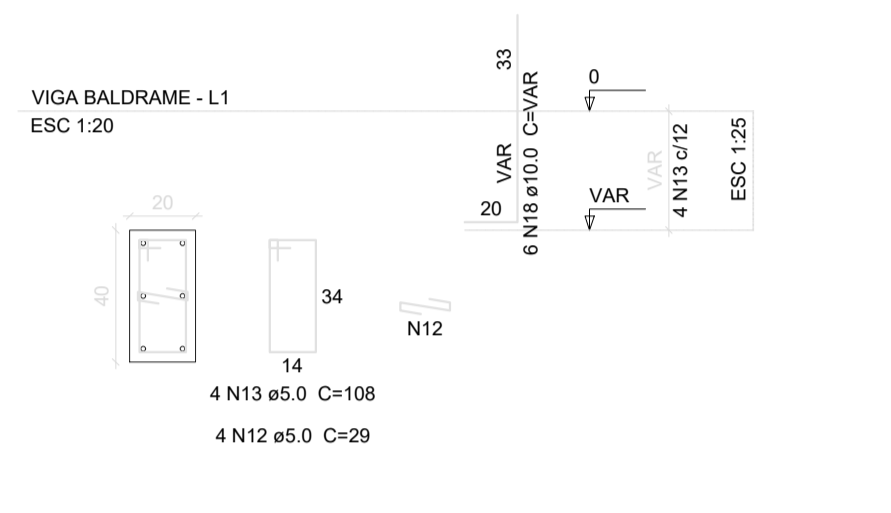
P41



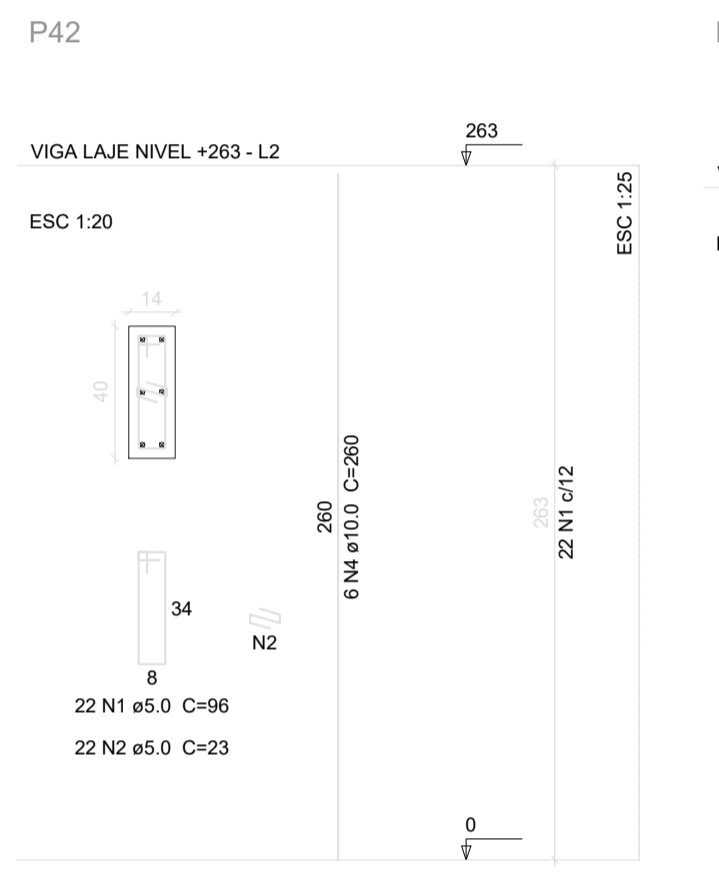
P43



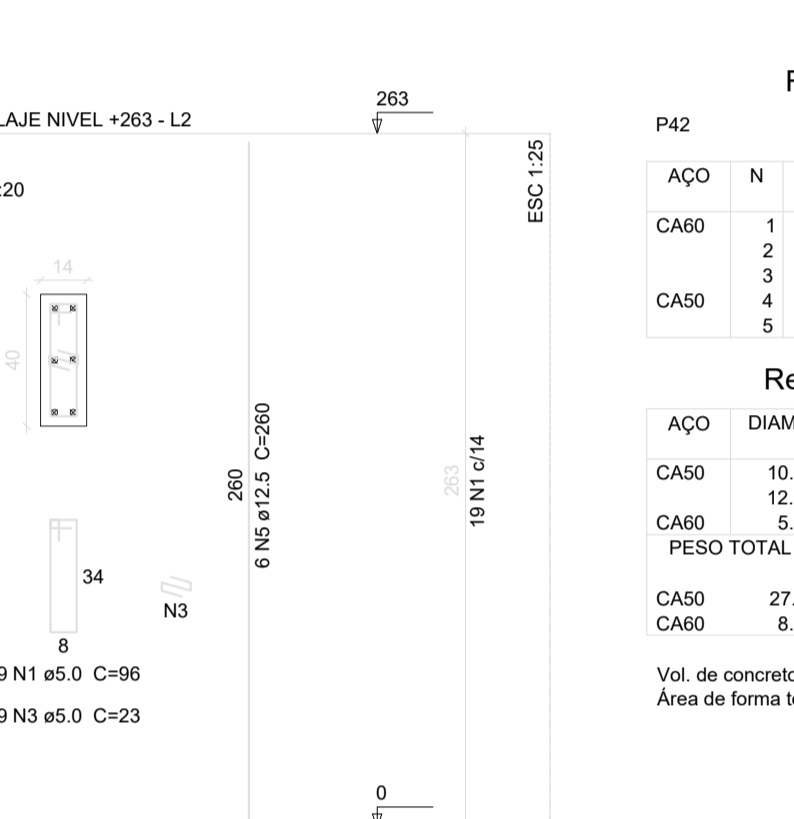
P57



DETALHAMENTO DOS PILARES NÍVEL +263



P43



**Relação do aço**

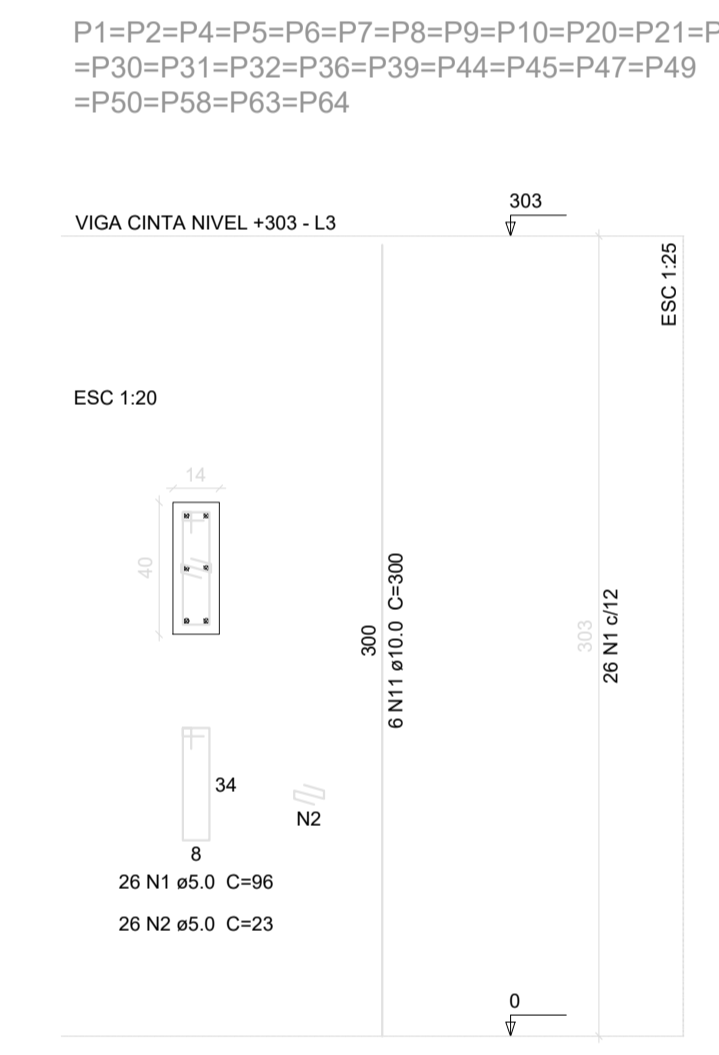
ACAO	N	DIAM	Q	UNIT	C.TOTAL
CA50	1	5.0	41	86	3058
	2	5.0	22	23	905
	3	5.0	19	19	437
	4	10.0	6	260	1560
	5	12.5	6	260	1560

**Resumo do aço**

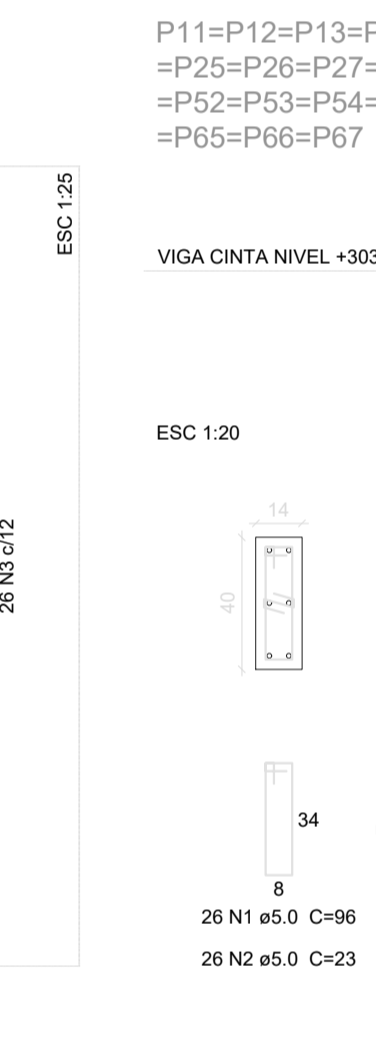
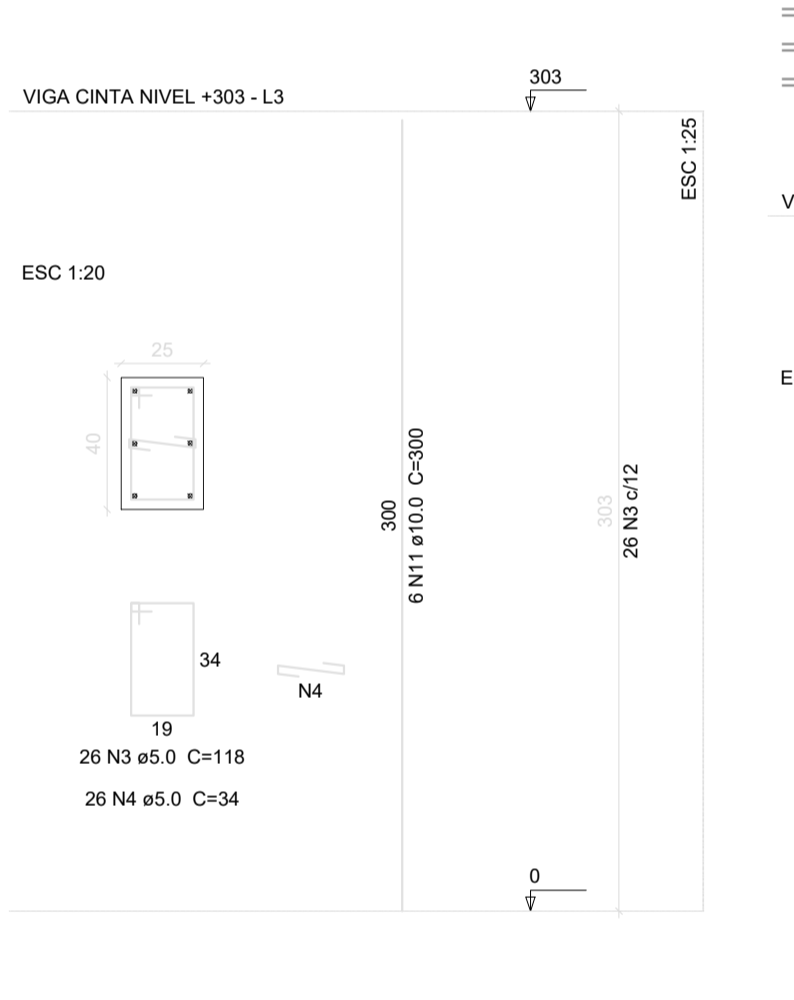
ACAO	DIAM	C.TOTAL	PESO + 10 %
CA50	10.0	15.6	10.6
	12.5	15.6	16.5
	5.0	50	83
<b>PESO TOTAL</b>			
CA50	27.1		
CA60	8.3		

Vol. de concreto total (C-30) = 0.29 m³  
 Área de forma total = 5.68 m²

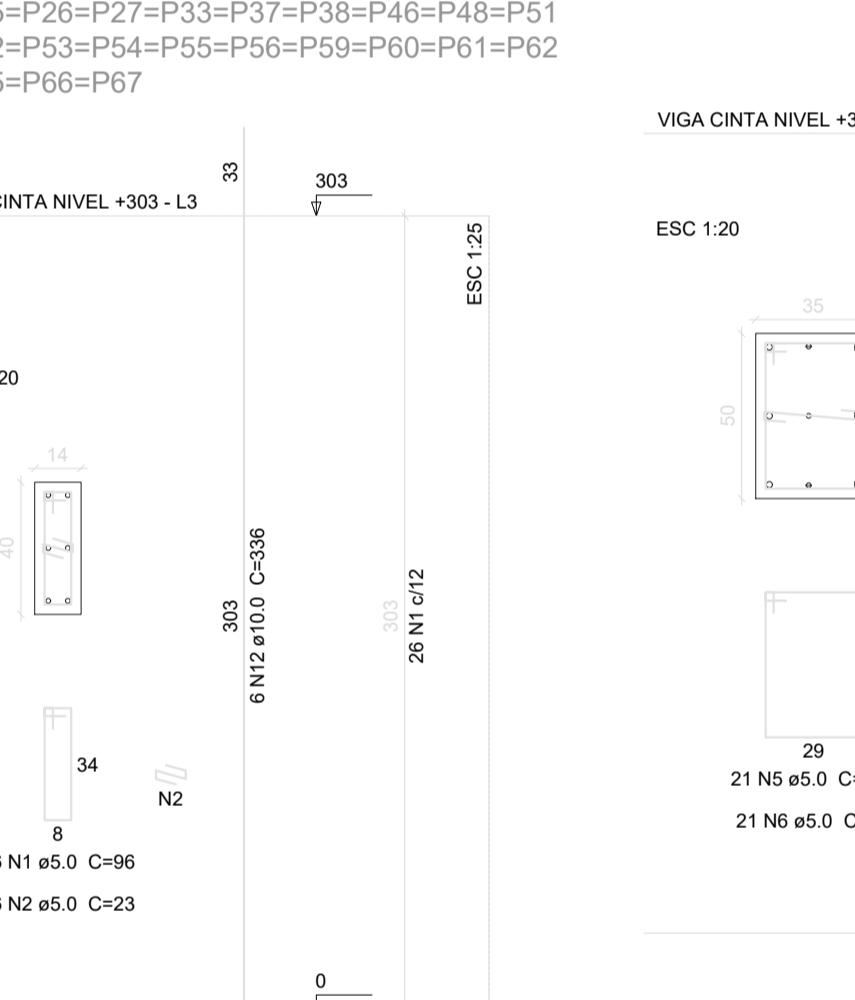
DETALHAMENTO DOS PILARES NÍVEL +263



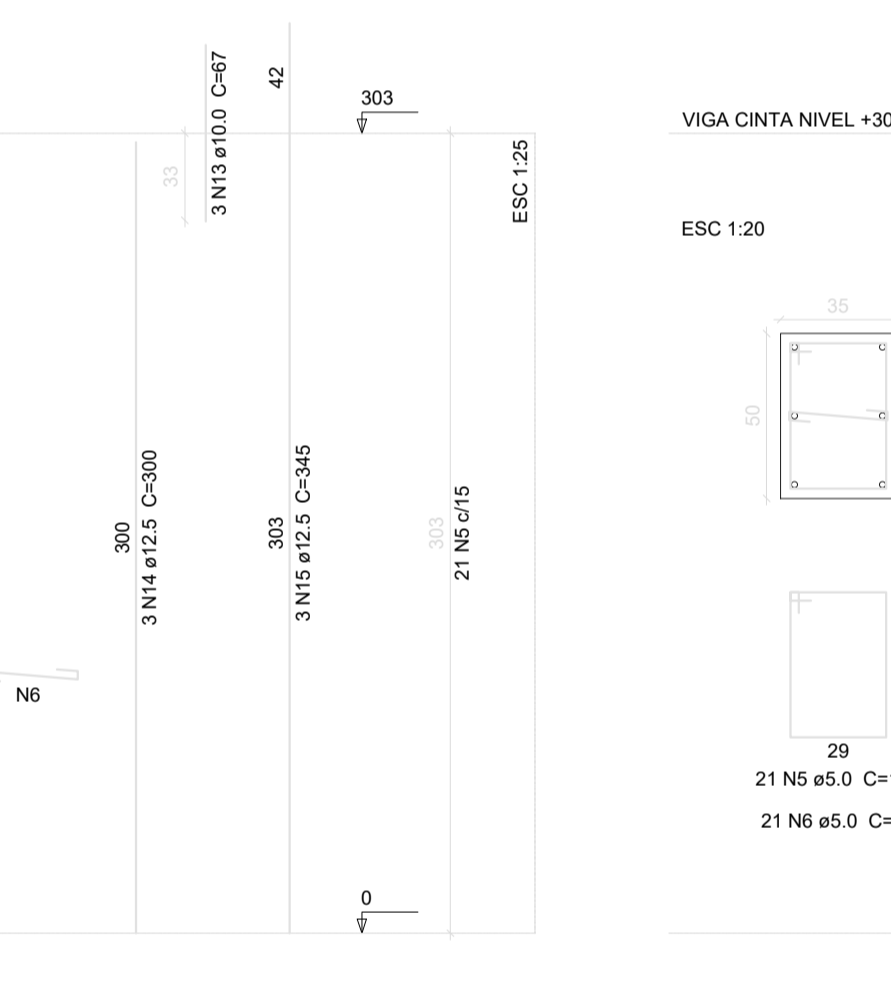
P57



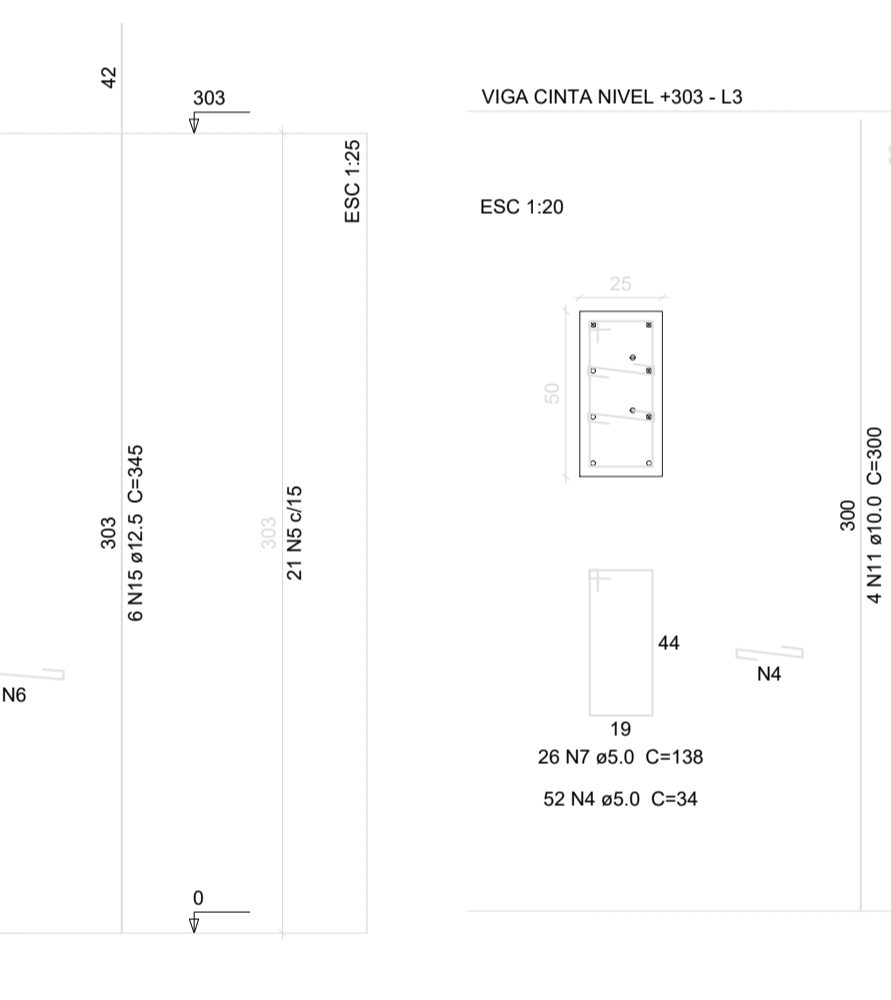
P17



P18=P28=P34



P40



**Relação do aço**

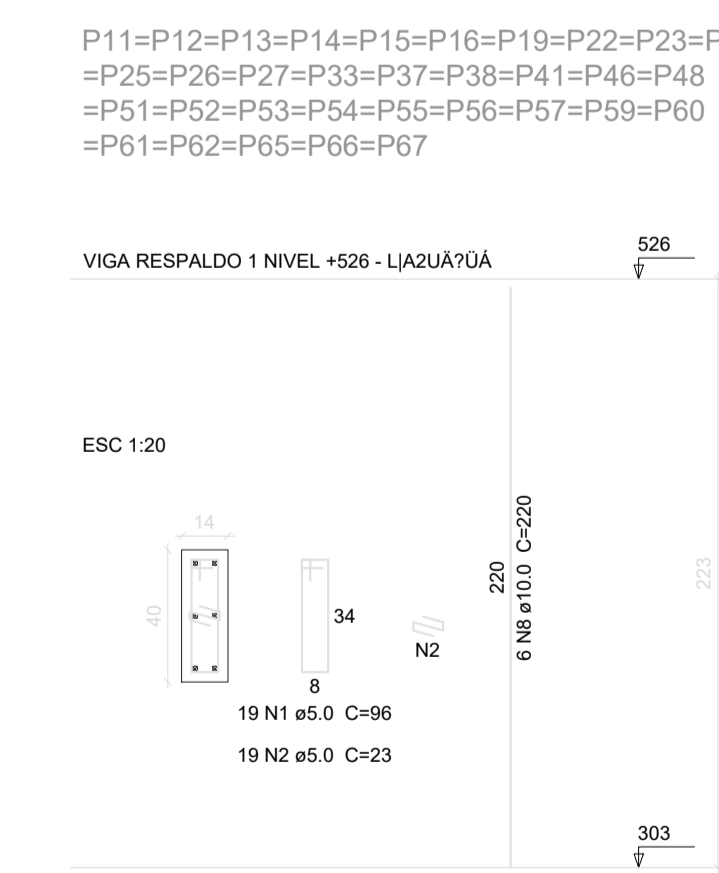
ACAO	N	DIAM	Q	UNIT	C.TOTAL
CA50	1	5.0	1456	98	13976
	2	5.0	1456	23	3348
	3	5.0	52	118	4136
	4	5.0	104	34	3536
	5	5.0	84	168	13272
	6	5.0	84	44	3696
	7	5.0	26	138	3588
	8	5.0	26	128	3328
	9	5.0	52	29	1508
	10	5.0	26	108	2908
	11	10.0	175	300	51900
12	10.0	196	338	65200	
13	10.0	12	87	804	
14	12.5	3	300	900	
15	12.5	21	345	7245	

**Resumo do aço**

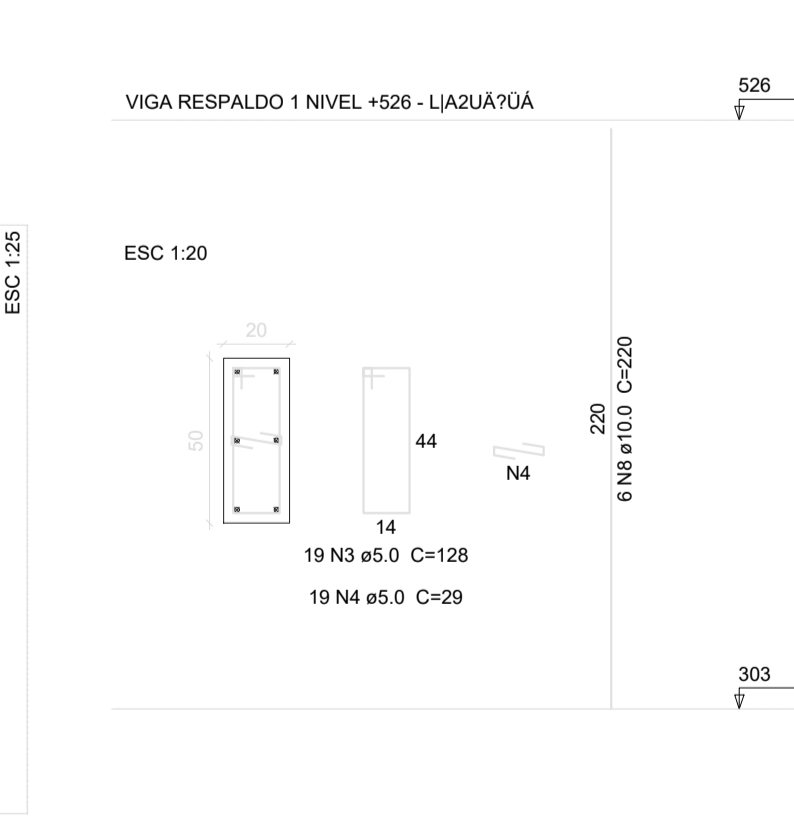
ACAO	DIAM	C.TOTAL	PESO + 10 %
CA50	10.0	1162.3	801.8
	12.5	81.5	66.3
<b>PESO TOTAL</b>		2114.4	358
CA50	888.1		
CA60	358		

Vol. de concreto total (C-30) = 13.15 m³  
 Área de forma total = 228.16 m²

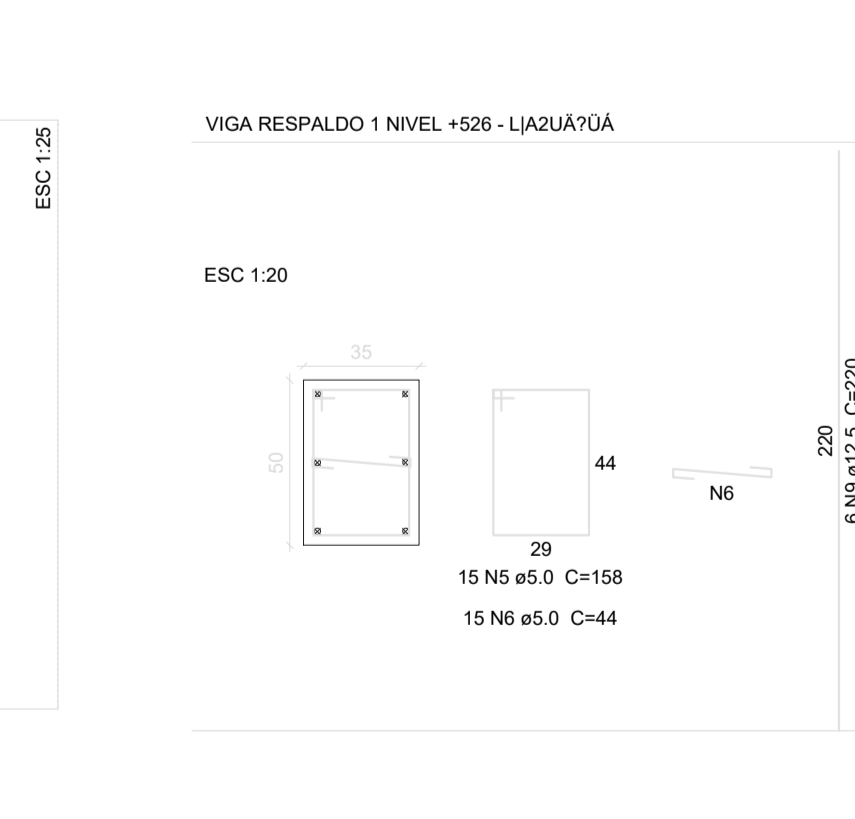
DETALHAMENTO DOS PILARES NÍVEL +526



P17



P18=P28=P34



P40



**Relação do aço**

ACAO	N	DIAM	Q	UNIT	C.TOTAL
CA50	1	5.0	627	86	6070
	2	5.0	627	23	14471
	3	5.0	18	108	2432
	4	5.0	38	29	1102
	5	5.0	45	56	710
	6	5.0	45	44	1880
	7	5.0	12	168	2016
	8	10.0	210	220	46200

**Resumo do aço**

ACAO	DIAM	C.TOTAL	PESO + 10 %
CA50	10.0	462	313.2
	12.5	38.6	42
<b>PESO TOTAL</b>		892.9	151.4
CA50	353.3		
CA60	151.4		

Vol. de concreto total (C-30) = 5.69 m³  
 Área de forma total = 96.60 m²

<b>ESTRUTURAL</b>		Nº Folha:	Folha Nº:
<b>DETALHAMENTO DOS PILARES</b>		01	01
ASSUNTO: Projeto para Sede do Poder Legislativo em Avenária, estruturas pré-moldadas e metálicas.			
LOCALIZAÇÃO: Av. Xanxerê QUADRA -23 LOTE -11/12			
CIDADE: Feliz Natal - MT.			
PROPRIETÁRIO: Câmara Municipal de Feliz Natal		DATA: MARÇO/2018	
RESP. TEC.:			
PAULA MARTINS Registro CAU - 161301-4			