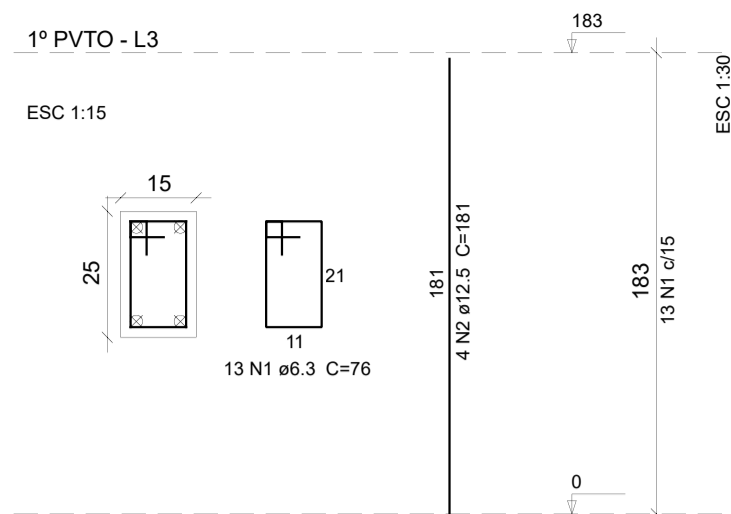
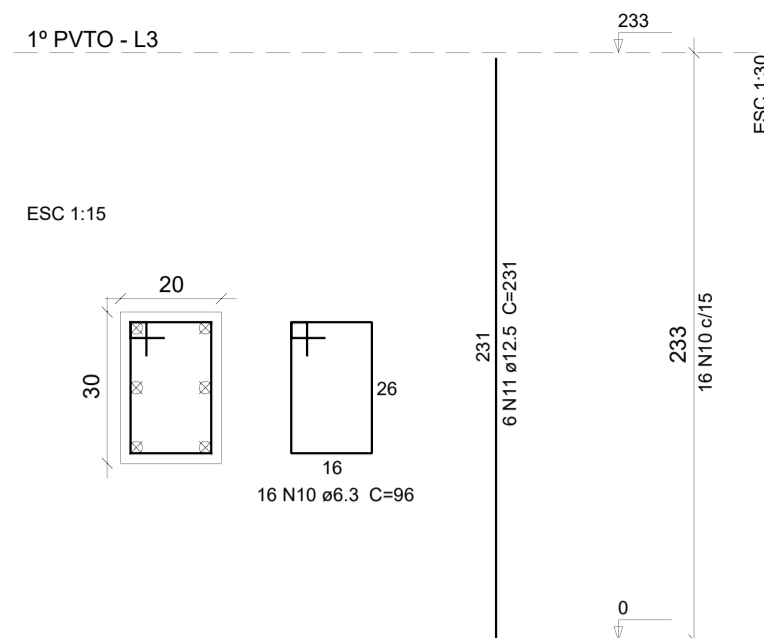


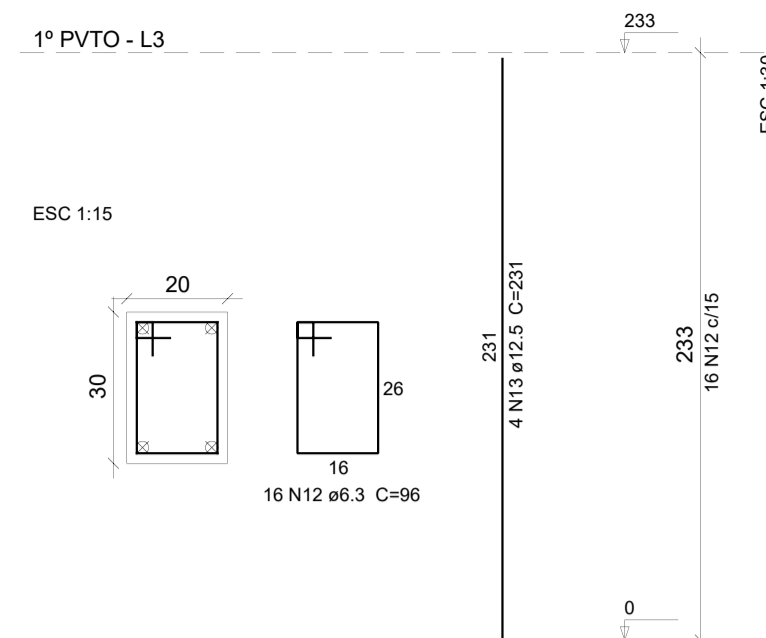
P1=P12=P21=P32=P42=P52=P63=P69



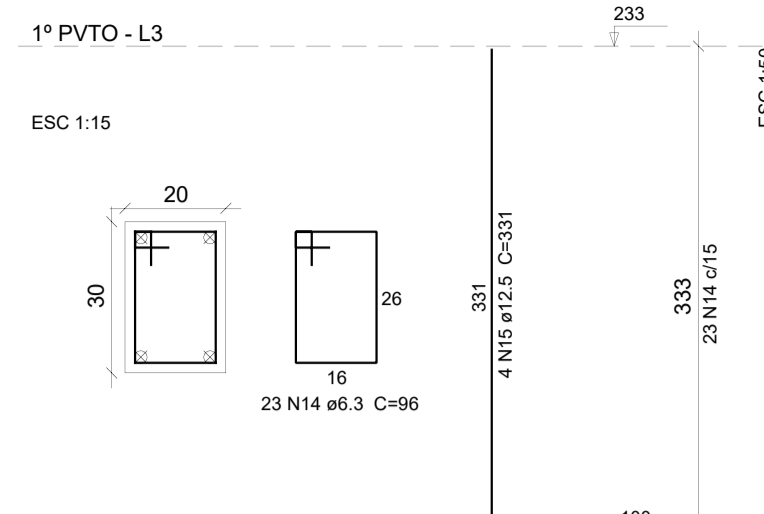
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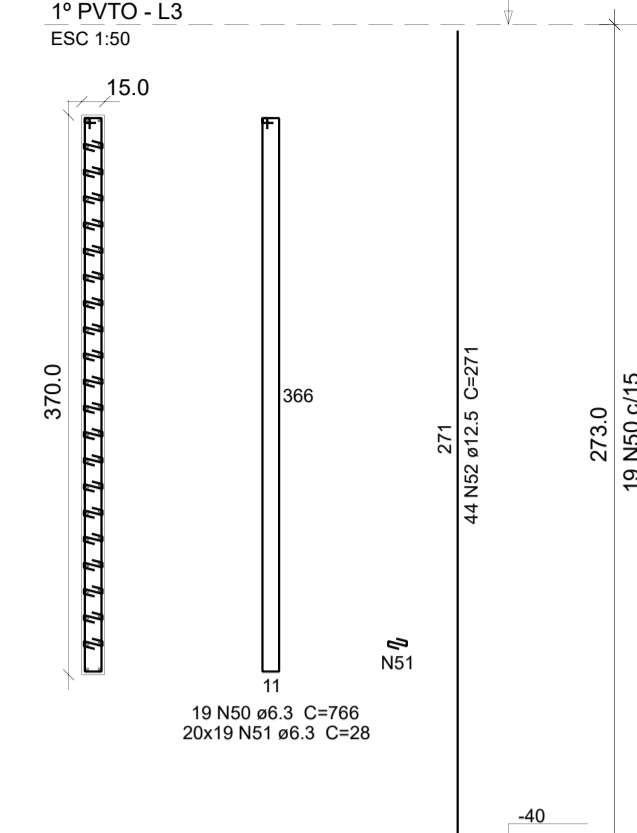
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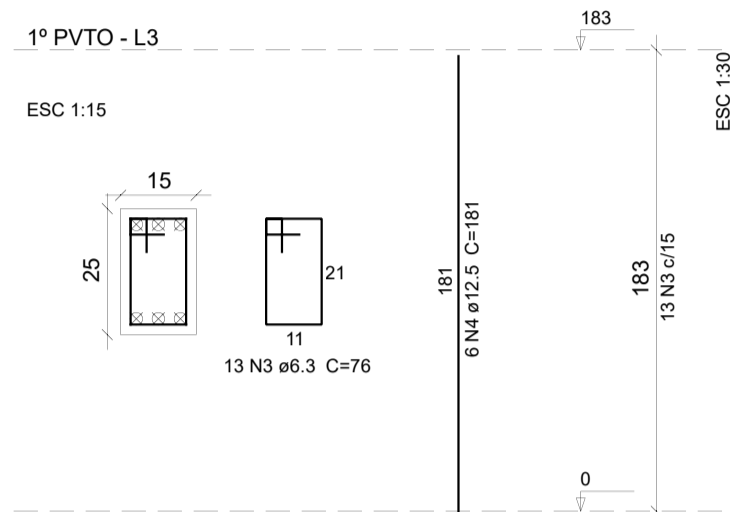
P28=P30=P35=P37



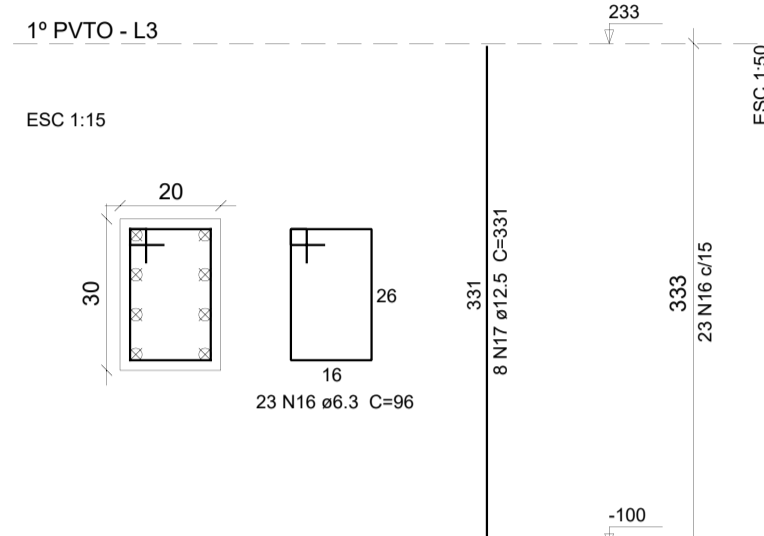
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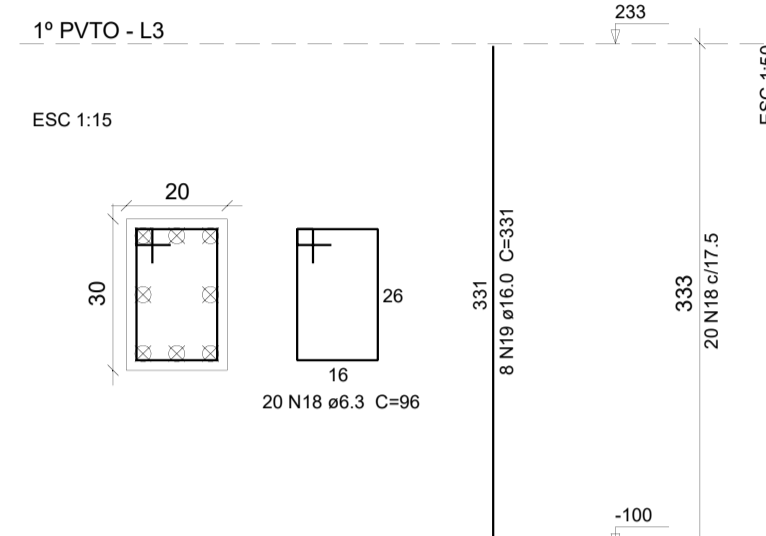
P4=P80



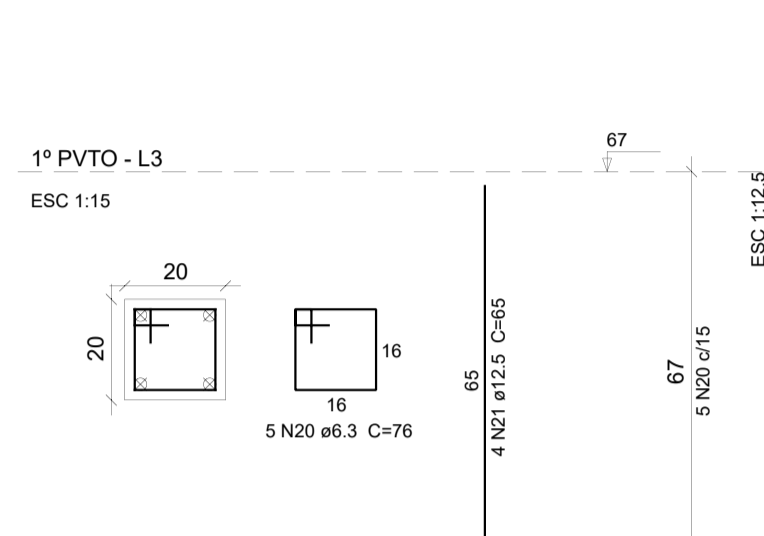
P45=P47



P55=P57



P60



Relação do aço

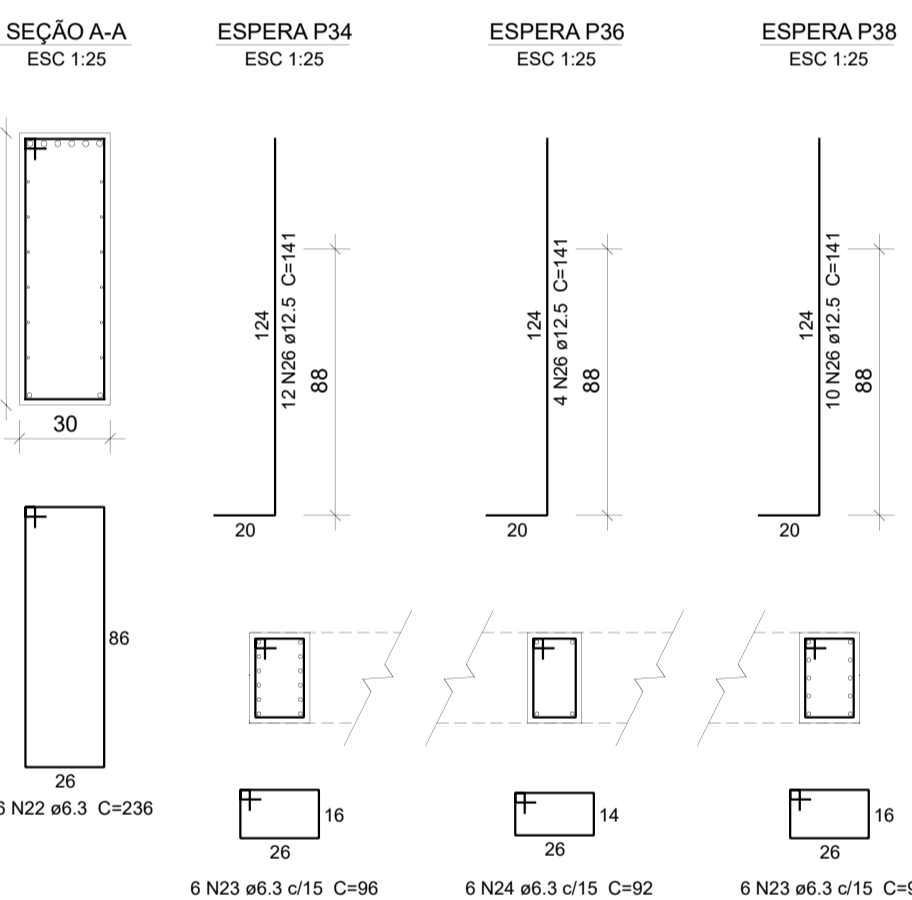
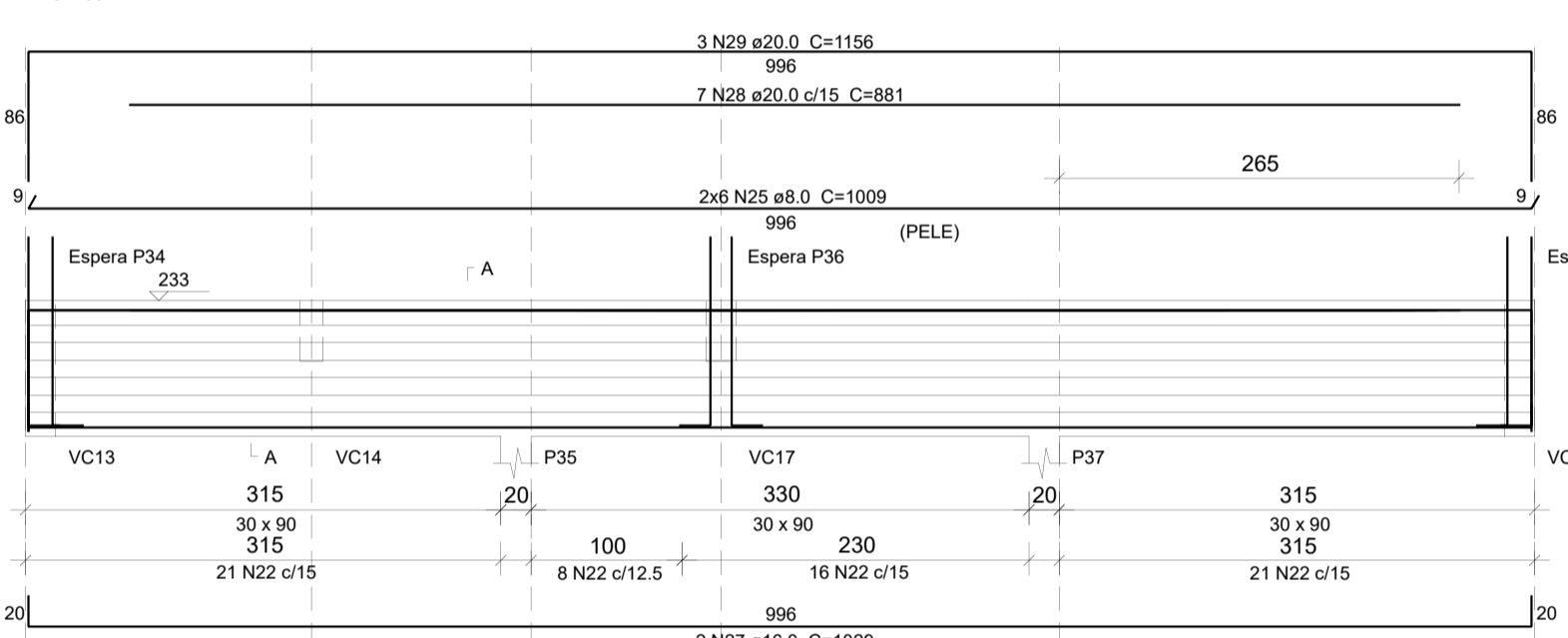
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
8xP1	CA50	1	6.3	104	76	7904
2xP4	CA50	2	12.5	32	181	5792
	CA50	3	6.3	26	76	1976
	CA50	4	12.5	12	181	2172
P23	CA50	10	6.3	16	96	1536
	CA50	11	12.5	6	231	1386
P24	CA50	12	6.3	16	96	1536
	CA50	13	12.5	4	231	924
4xP28	CA50	14	6.3	32	96	3072
	CA50	15	12.5	16	331	5296
2xP45	CA50	16	6.3	46	96	4416
	CA50	17	12.5	16	331	5296
2xP65	CA50	18	6.3	40	96	3840
	CA50	19	16.0	16	331	5296
P80	CA50	20	6.3	5	76	380
	CA50	21	12.5	4	65	260
P81	CA50	50	6.3	19	766	14554
	CA50	51	6.3	380	28	10840
	CA50	52	12.5	44	271	11924
VC7	CA50	22	6.3	66	236	15576
	CA50	23	6.3	12	96	1152
	CA50	24	6.3	6	92	552
	CA50	25	8.0	12	1009	12108
	CA50	26	12.5	26	141	3666
	CA50	27	16.0	2	1029	2058
	CA50	28	20.0	7	881	6167
	CA50	29	20.0	3	1156	3468
VC9	CA50	30	6.3	64	236	15104
	CA50	31	6.3	24	35	840
	CA50	32	6.3	6	116	696
	CA50	33	6.3	6	86	516
	CA50	34	6.3	6	96	576
	CA50	35	8.0	12	1009	12108
	CA50	36	12.5	36	141	5076
	CA50	37	16.0	2	1029	2058
	CA50	38	20.0	4	1156	4624
	CA50	39	20.0	5	829	4145
VC16	CA50	40	6.3	83	236	19588
	CA50	41	6.3	6	35	210
	CA50	42	6.3	6	126	756
	CA50	43	8.0	12	1018	12216
	CA50	44	16.0	2	1051	2102
	CA50	45	16.0	10	150	1500
	CA50	46	20.0	3	375	1125
	CA50	47	20.0	1	652	652
	CA50	48	20.0	4	660	2640
	CA50	49	20.0	2	1128	2256

Resumo do aço

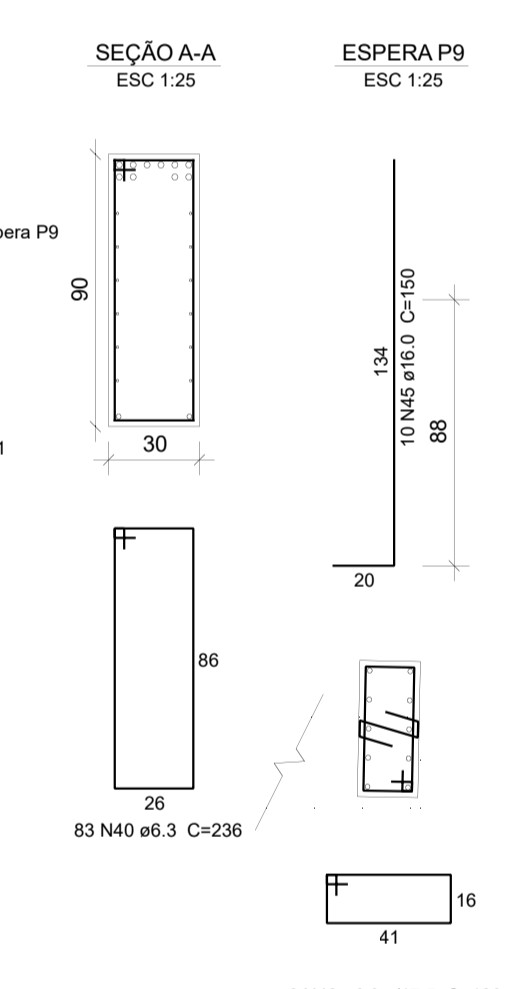
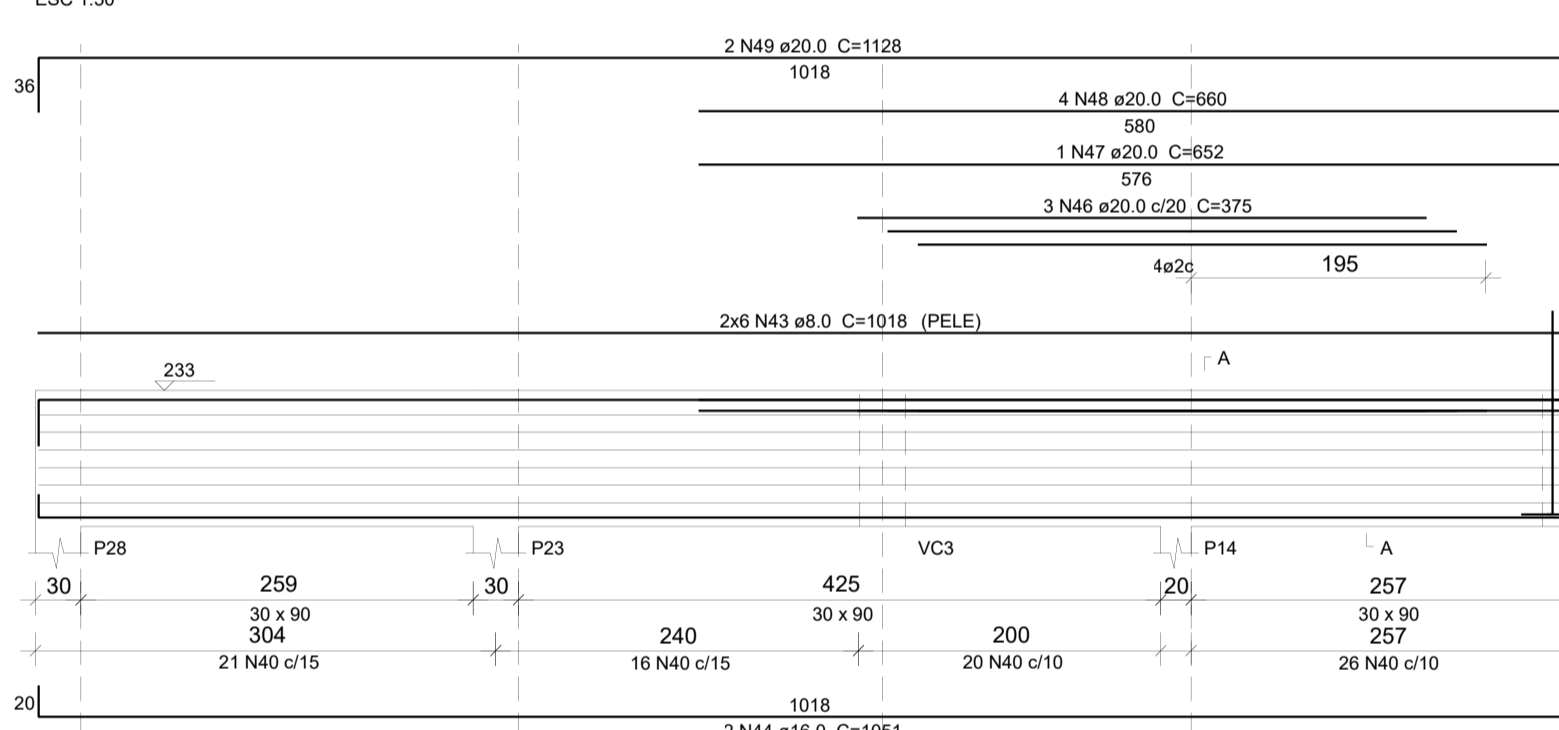
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 15 % (Barras)	PESO + 15 % (kg)
CA50	6.3	1111.8	107	312.9
	8.0	364.4	35	165.3
	12.5	418	41	463
	16.0	130.2	13	236.2
	20.0	250.8	25	711.2
PESO TOTAL (kg)				
CA50				1888.6

Volume de concreto (C-40) = 12.26 m³
 Área de forma = 130.95 m²

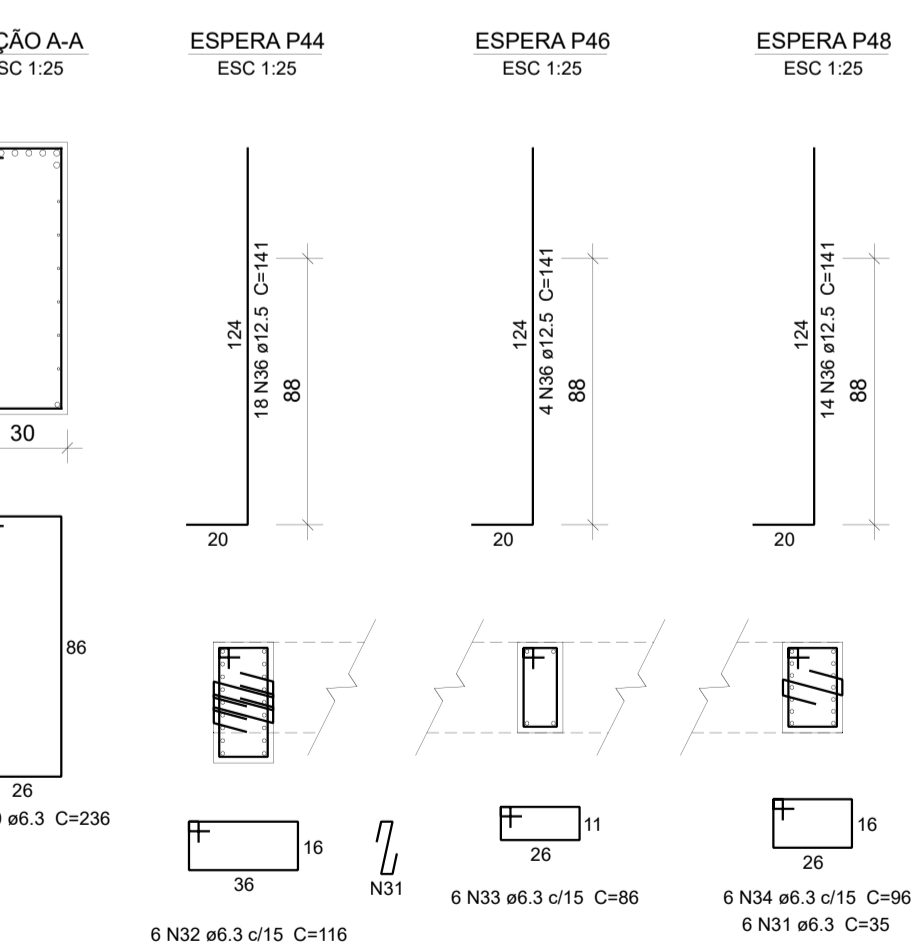
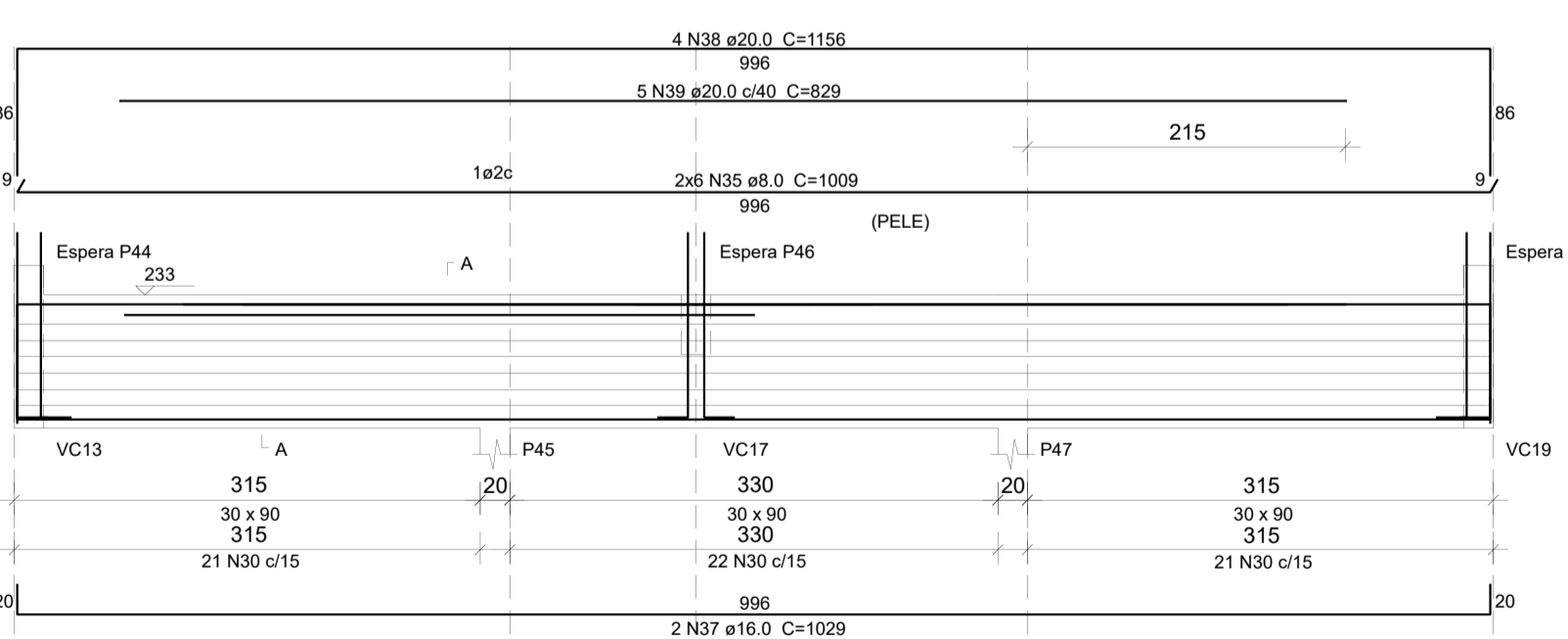
VC7 (30 x 90)



VC16 (30 x 90)



VC9 (30 x 90)



O controle tecnológico do concreto, além de obrigatório por Norma, é imprescindível para a garantia da qualidade da estrutura e tomada de decisão nos casos de não conformidades

o presente projeto foi elaborado de acordo com a NBR 6118:2014 foram adotados os seguintes parâmetros:
 agressividade ambiental (tab. 6.1) - CLASSE II
 qualidade do concreto para CA (tab 7.1)- fator água/cimento <=0,55
 classe do concreto (NBR 8953) especificada na planta de formas
 vida útil da estrutura - 50 anos

cobrimento nominal (tab. 7.2) especificada no detalhamento com as respectivas reduções para peças de acordo com o item 6.4.2 pilar mínimo 360 cm2 tempo previsto para desforma - 21 dias

Revisões da prancha

1	SAI P14 E P15, ENTRA P81		25A6015
0	EMISSÃO	MADSON	13FEV15
Nº	Comentário	Autor	Data

ESTRUTURA

OBRA:

ENDEREÇO:

ASSUNTO:

PILAR E VIGA

PARTEAMENTO: 1º PVTO ESCALA: IND CONJUNTO: 4

TÍTULO: DETALHAMENTO FOLHA: 1 / 6

P 66 / 14 DATA: 13FEV15

