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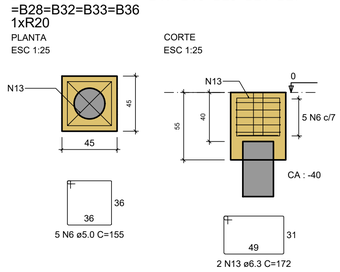
=B28=B32=B33=B36
1xR20



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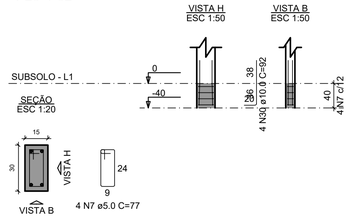
=P28=P32



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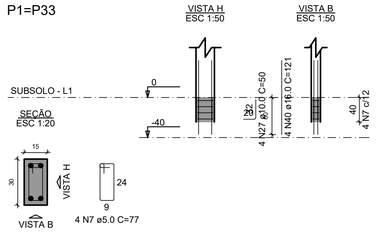

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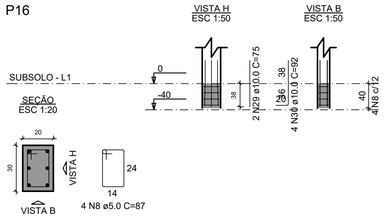

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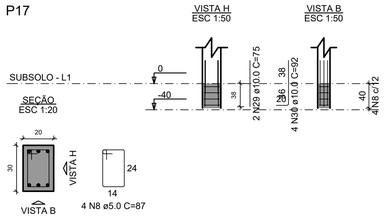

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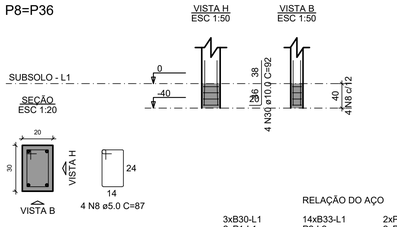
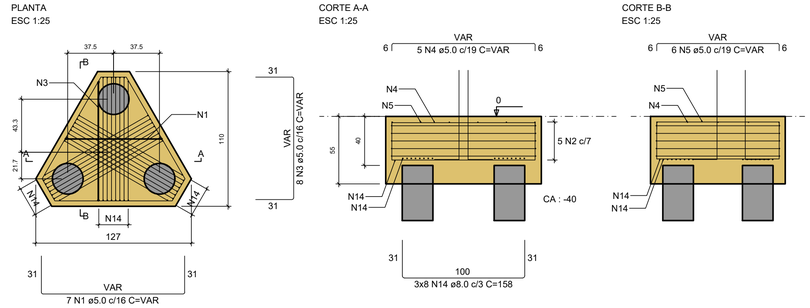


RELAÇÃO DO AÇO

3xB30-L1	14xB33-L1	2xP1-L2
2xP1-L1	P2-L2	2xP3-L2
P5-L2	11xP6-L2	8xP7-L1
4xP8-L2	2xP8-L1	2xP11-L2
2xP12-L2	2xP13-L1	P16-L2
P16-L1	P17-L2	P17-L1
P22-L2	P30-L1	V1-L1
V2-L1	V3-L1	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	21	VAR	VAR
	2	5.0	15	363	5445
	3	5.0	24	VAR	VAR
	4	5.0	15	VAR	VAR
	5	5.0	18	VAR	VAR
	6	5.0	70	155	10850
	7	5.0	402	77	30954
	8	5.0	226	87	19662
	9	5.0	42	24	1008
	10	5.0	21	29	609
	11	5.0	106	117	12402
	12	5.0	2	237	474
CA50	13	6.3	28	172	4816
	14	8.0	72	158	11376
	15	8.0	3	1031	3093
	16	8.0	1	155	155
	17	8.0	2	230	460
	18	8.0	1	110	110
	19	8.0	2	1051	2102
	20	8.0	3	442	1326
	21	8.0	1	444	444
	22	8.0	3	450	1350
	23	8.0	1	450	450
	24	8.0	1	280	280
	25	8.0	2	952	1904
	26	8.0	3	522	1566
	27	10.0	8	50	400
	28	10.0	82	288	23616
	29	10.0	20	75	1500
	30	10.0	60	92	5520
	31	10.0	14	247	3458
	32	10.0	1	122	122
	33	10.0	1	175	175
	34	10.0	1	210	210
	35	10.0	2	1114	2228
	36	10.0	2	145	290
	37	12.5	4	94	376
	38	12.5	16	297	4752
	39	16.0	12	310	3720
	40	16.0	8	121	968

B13=B14=B30
3xR20



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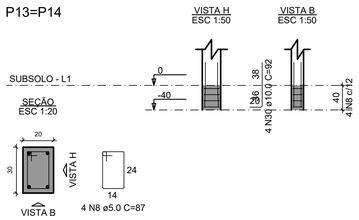

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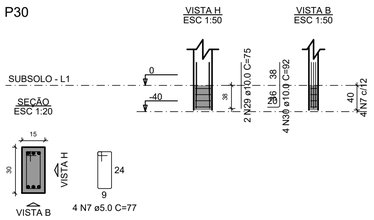
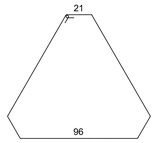
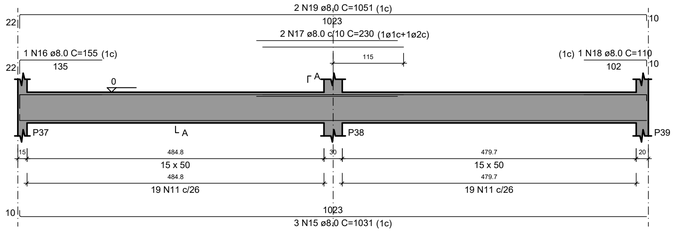
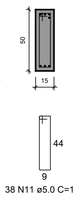




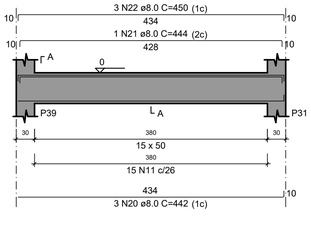
V1
ESC 1:50



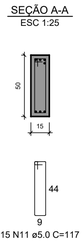
SEÇÃO A-A
ESC 1:25



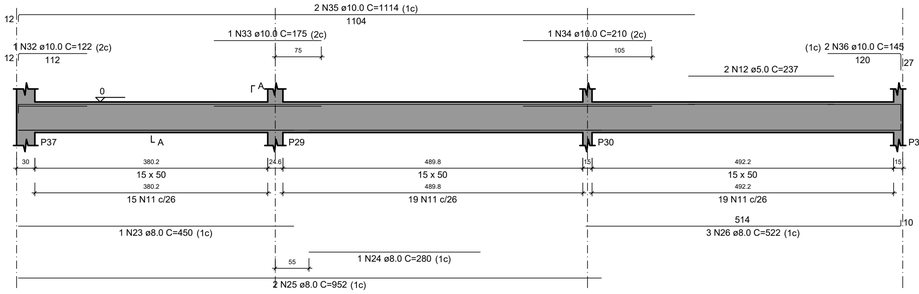
V2
ESC 1:50



SEÇÃO A-A
ESC 1:25



V3
ESC 1:50



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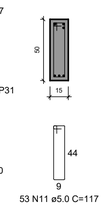
ESC 1:25



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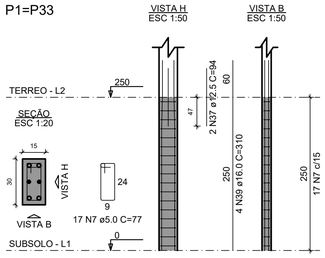

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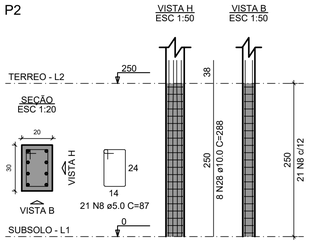

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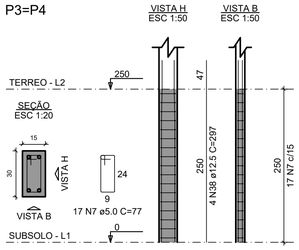

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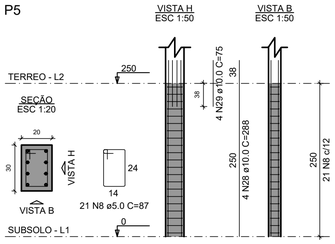

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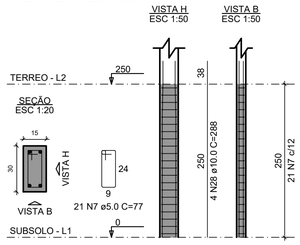
=P21=P27=P28=P35



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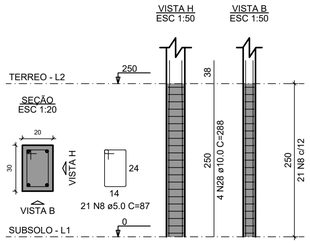


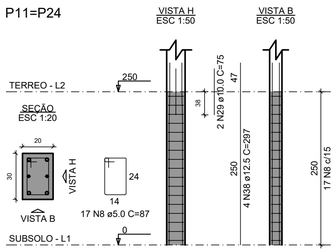
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	48.2	13
	8.0	246.2	106.8
	10.0	375.2	254.5
	12.5	51.3	54.3
	16.0	46.9	81.4
CA60	5.0	927.7	157.3

PESO TOTAL (kg)	
CA50	510
CA60	157.3

Volume de concreto (C-25) = 8.97 m³
Área de forma = 125.54 m²

P11=P24



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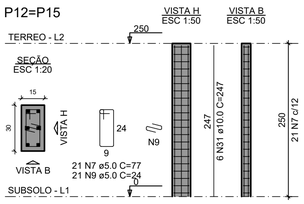

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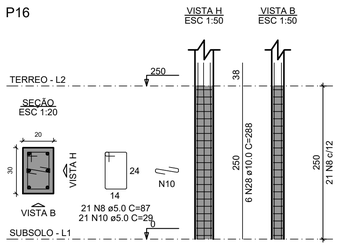

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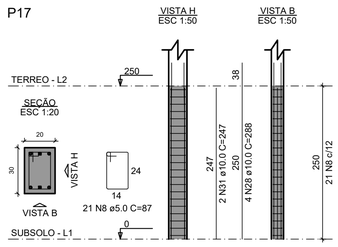

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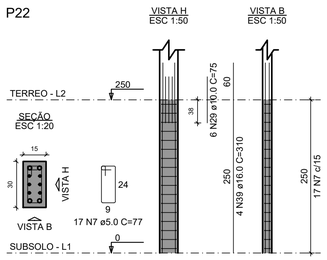

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Estrutural - Blocos, Pilares e Vigas

CONSTRUÇÃO - COMERCIAL

06/11

VERSÃO: 01