

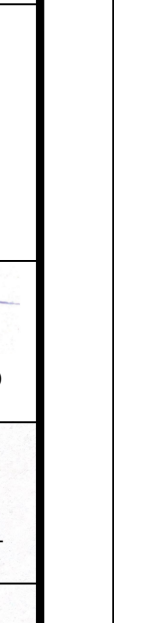
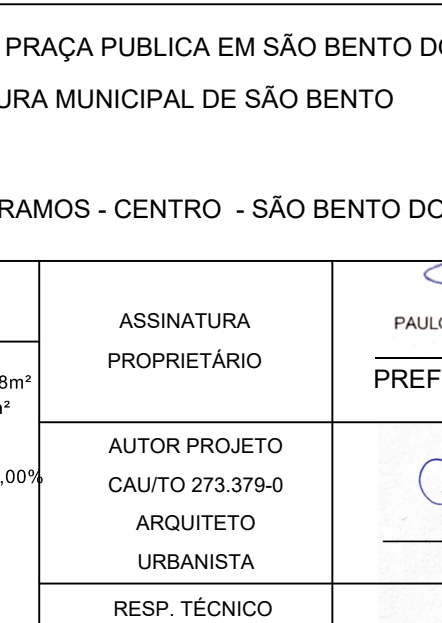
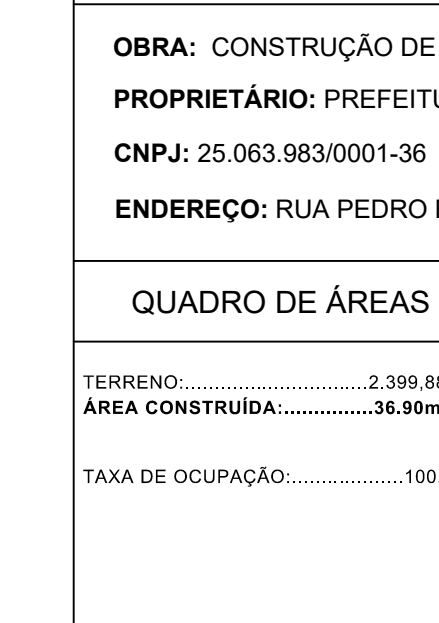
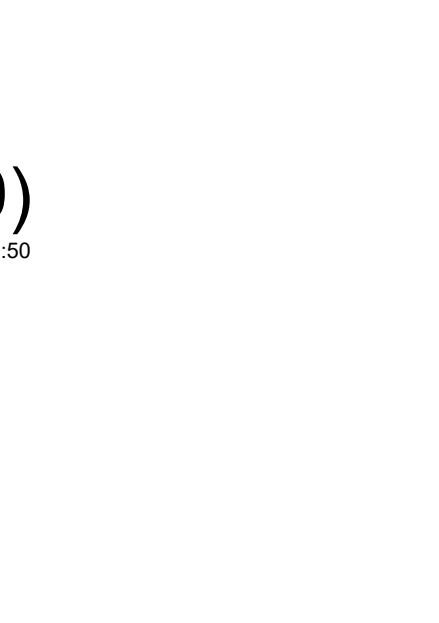
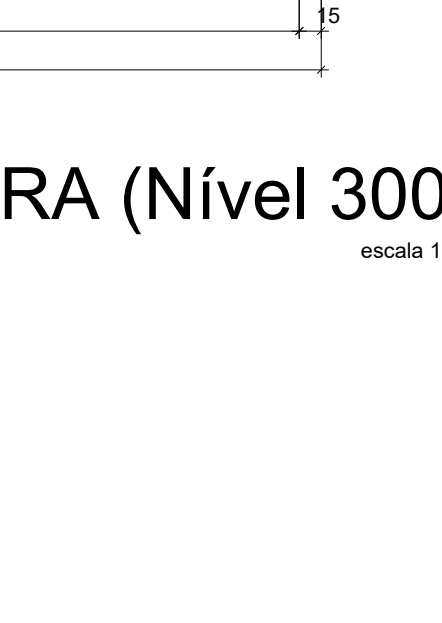
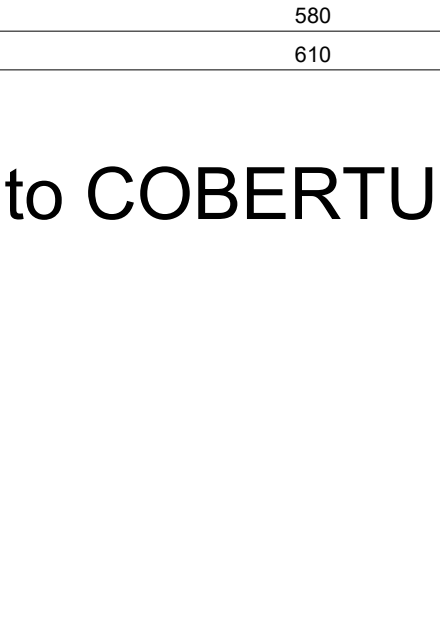
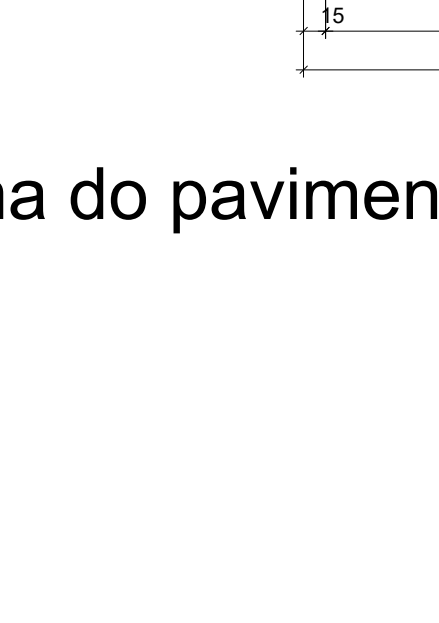
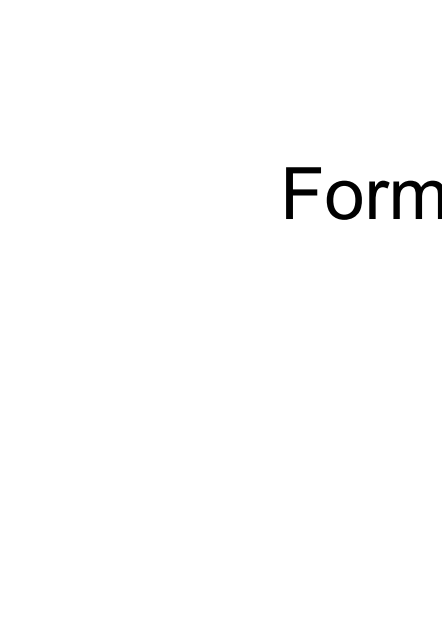
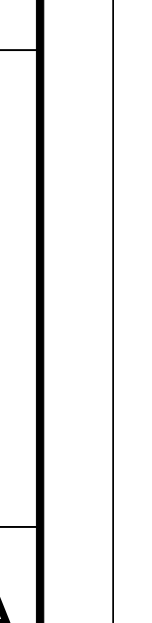
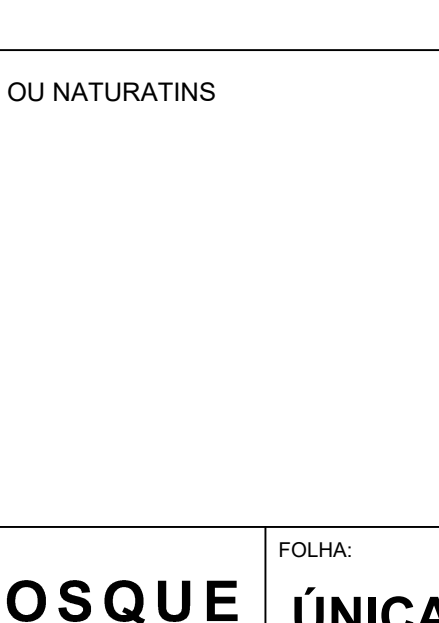
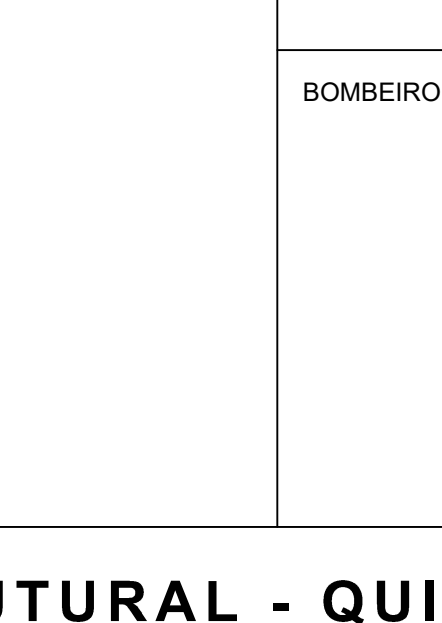
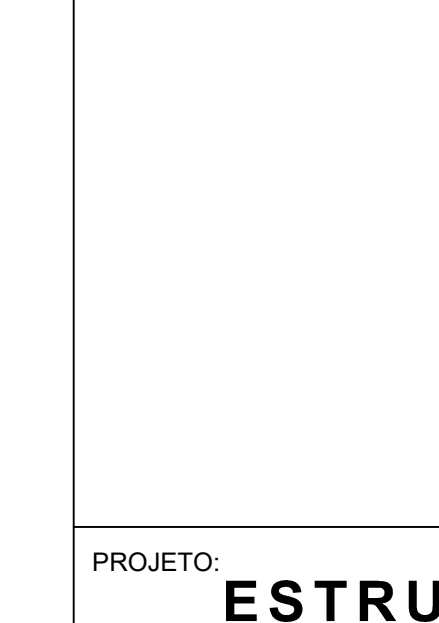
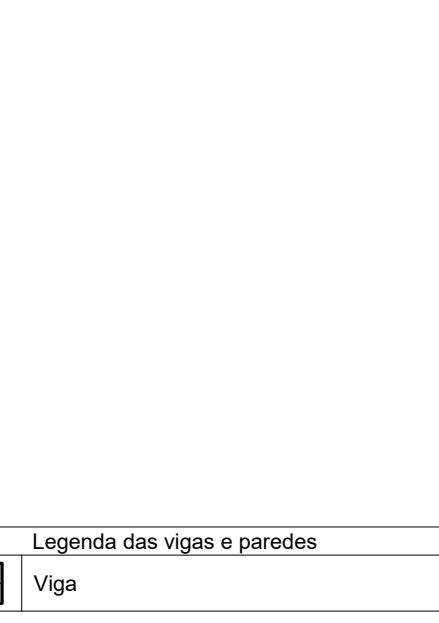
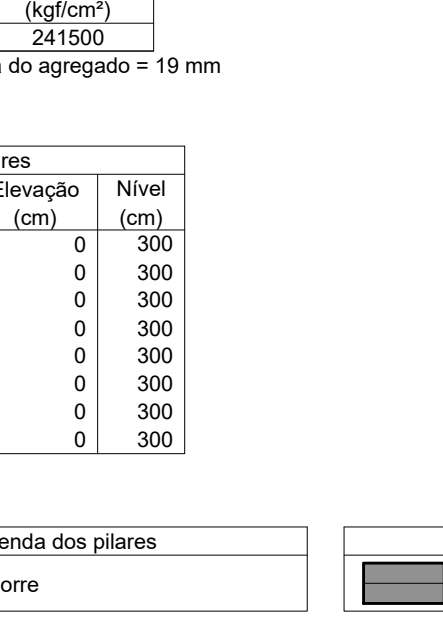
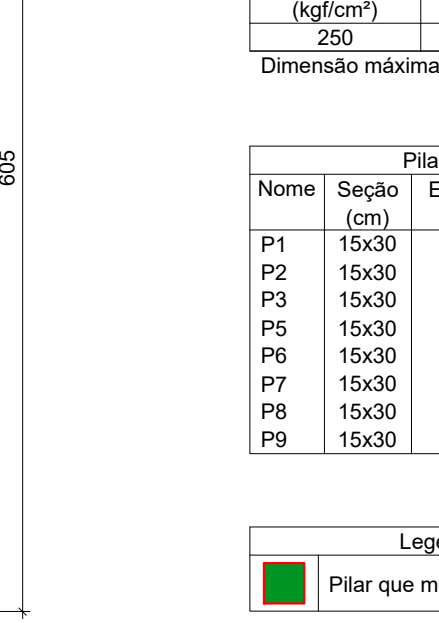
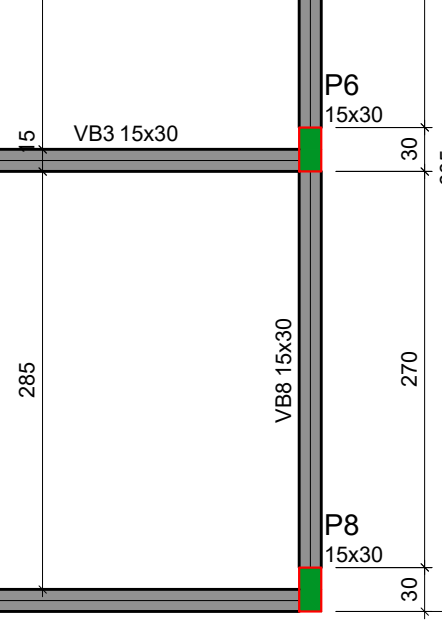
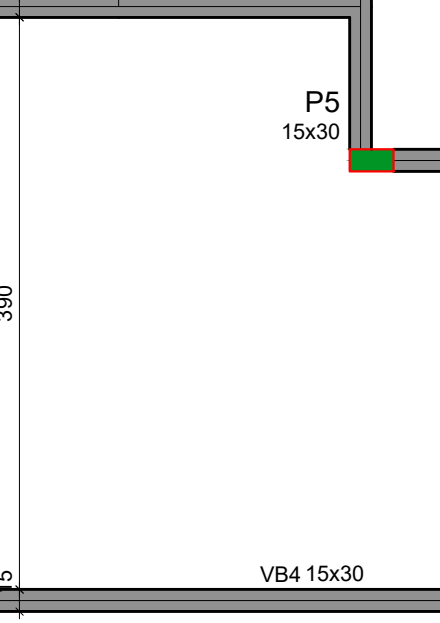
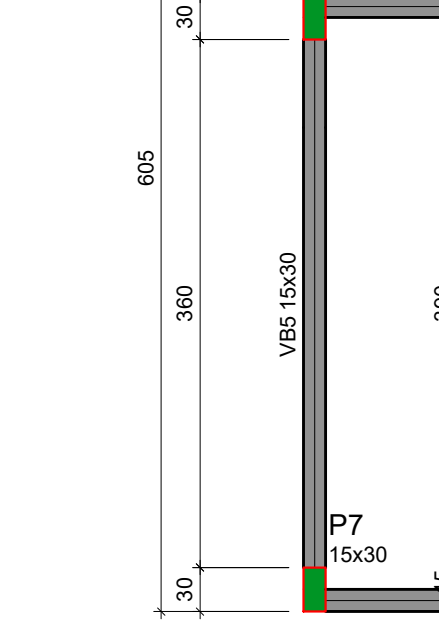
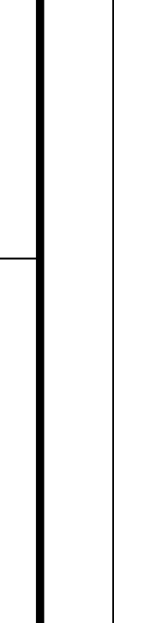
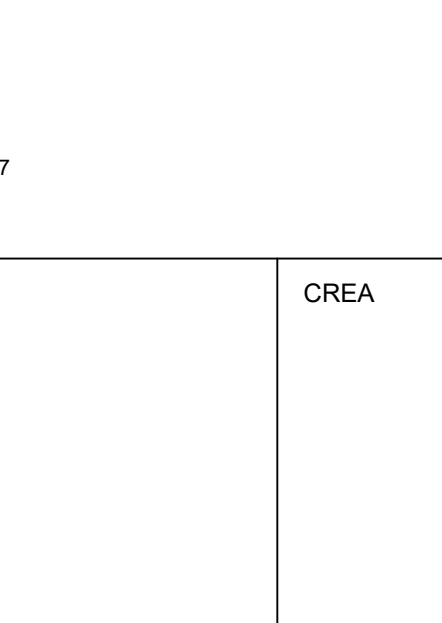
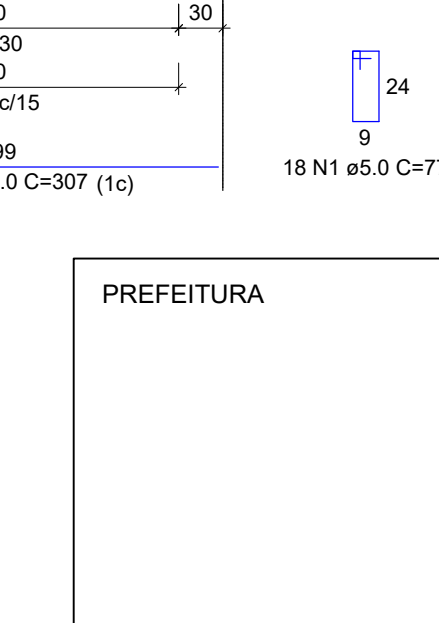
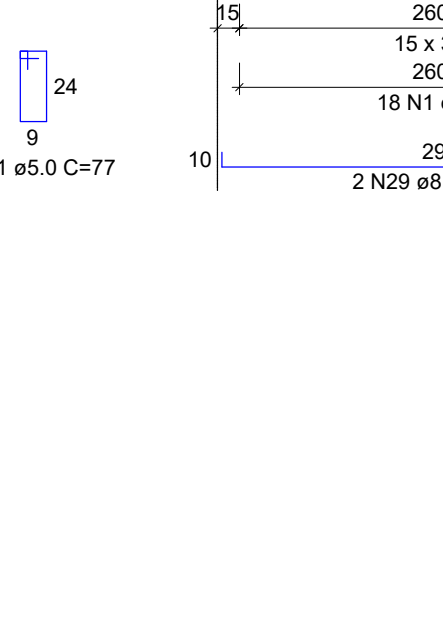
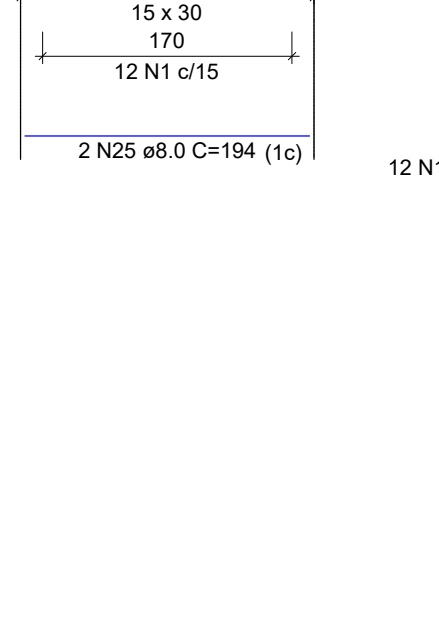
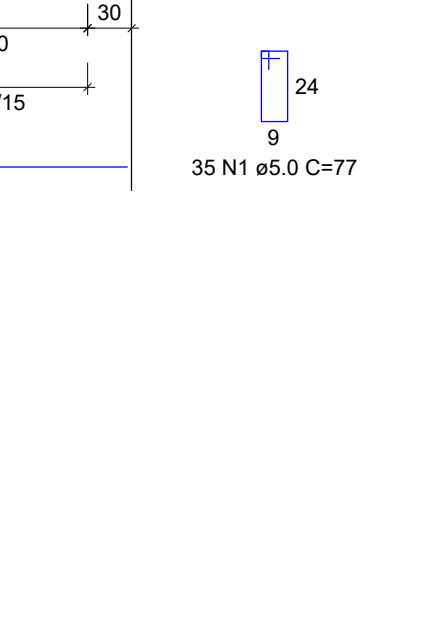
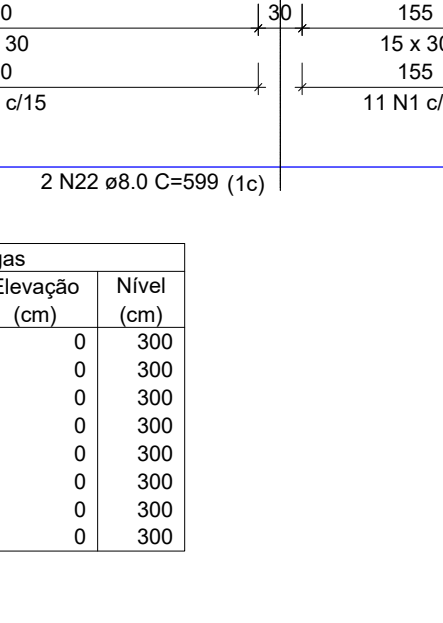
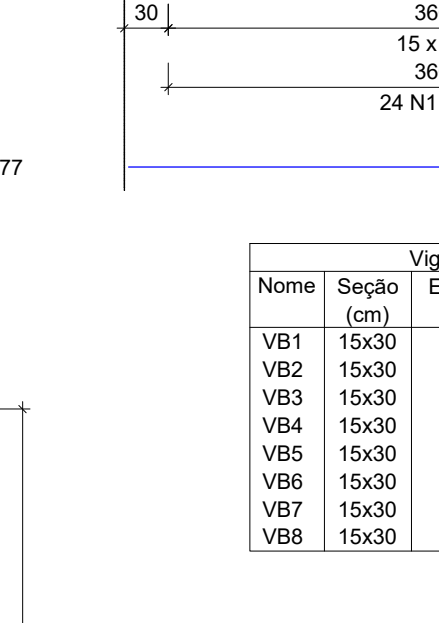
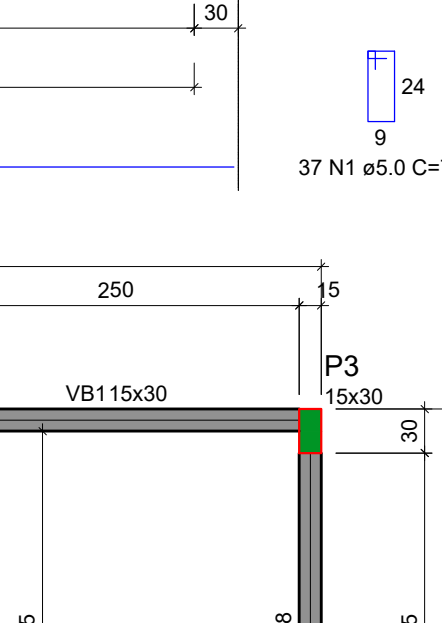
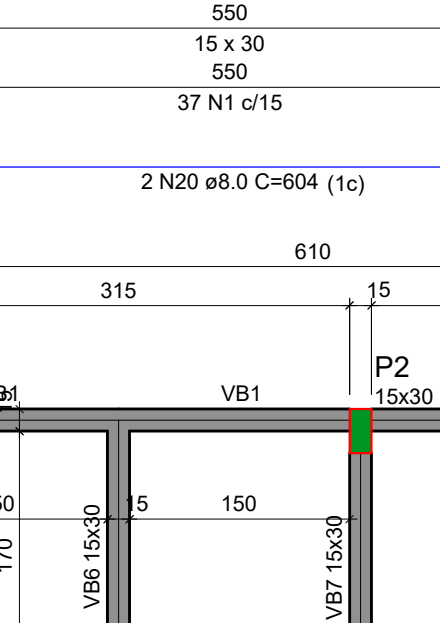
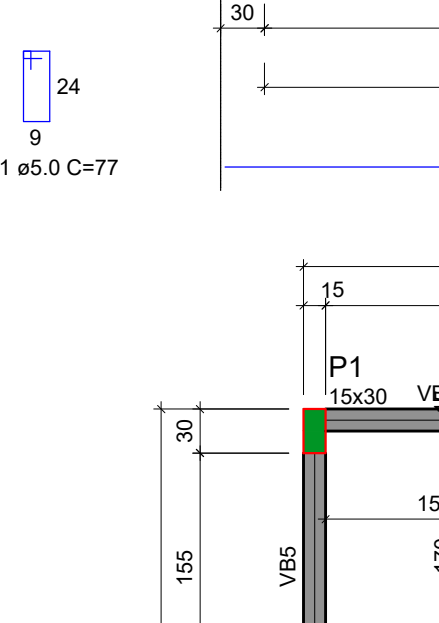
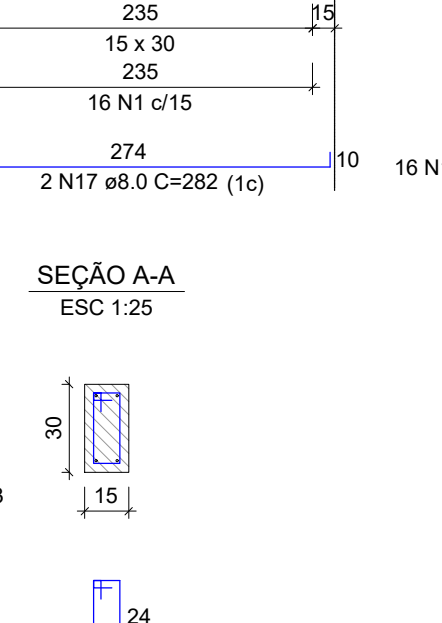
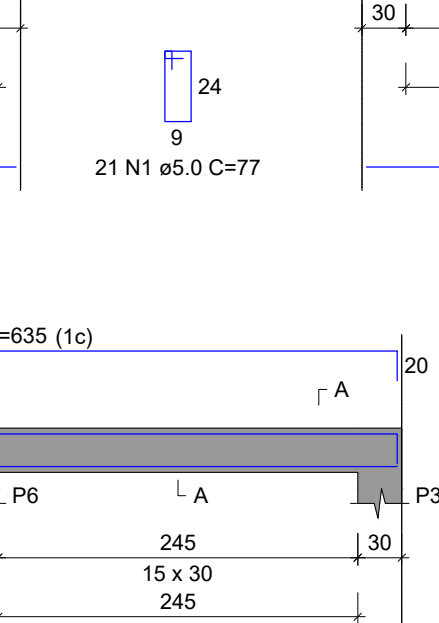
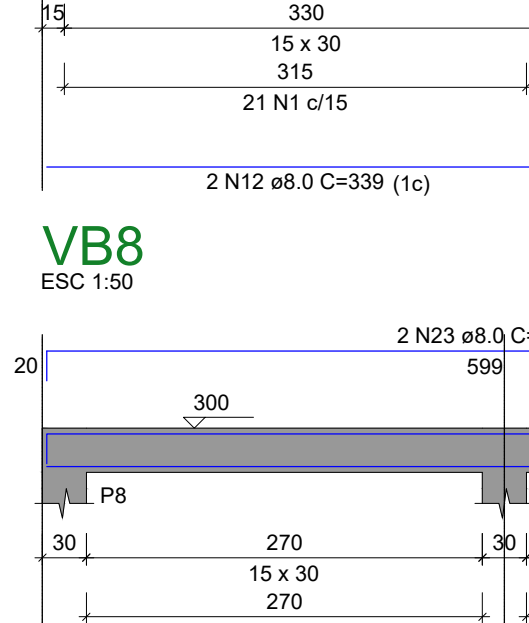
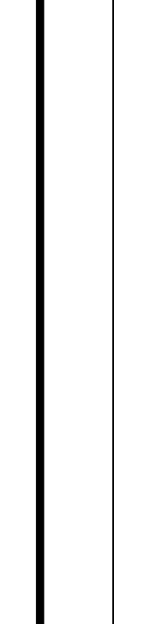
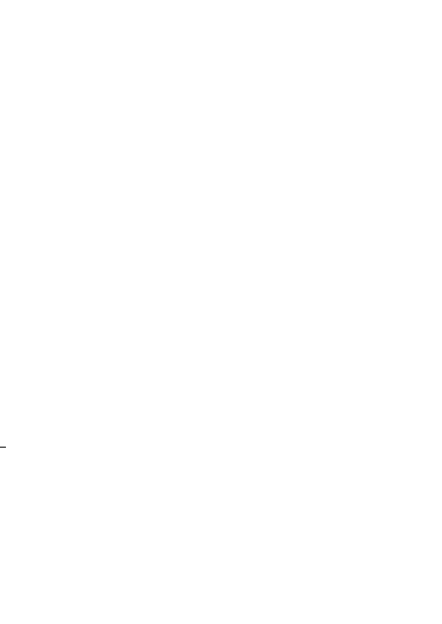
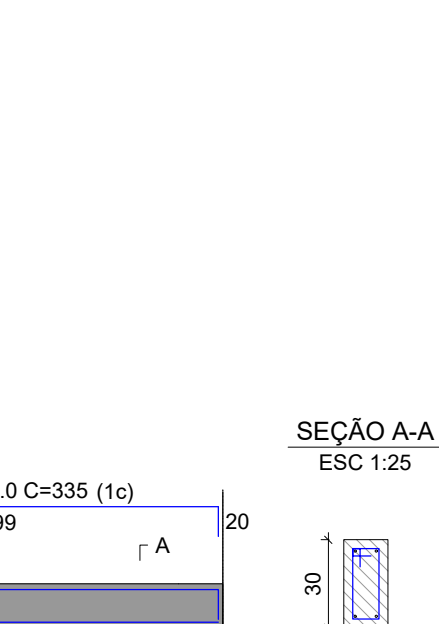
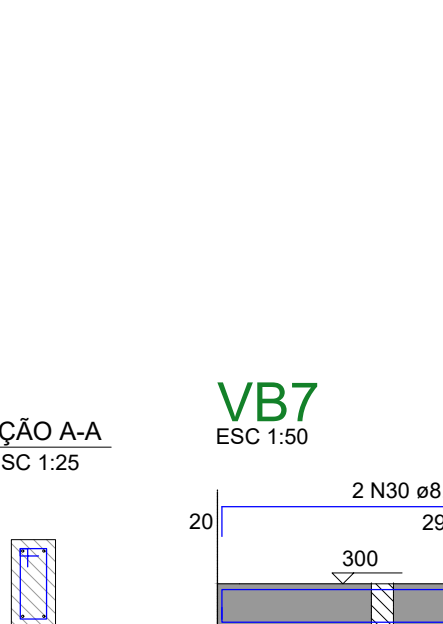
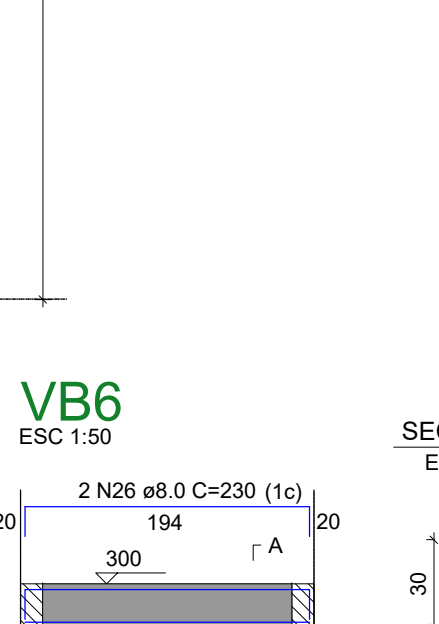
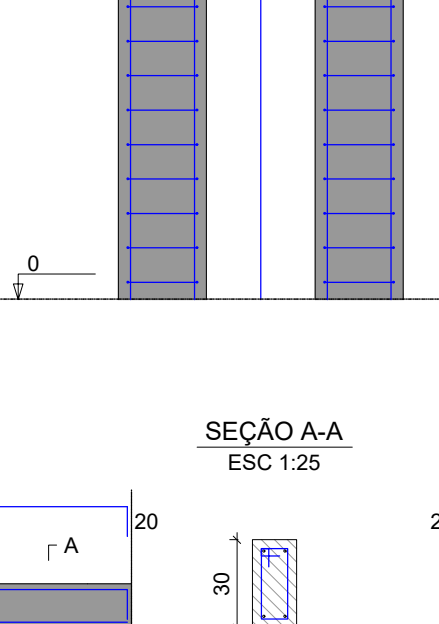
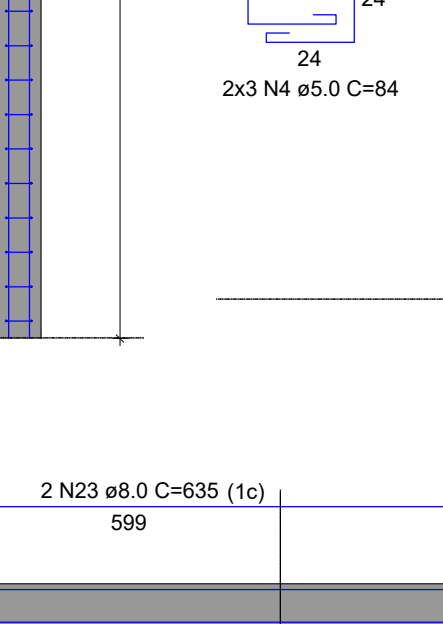
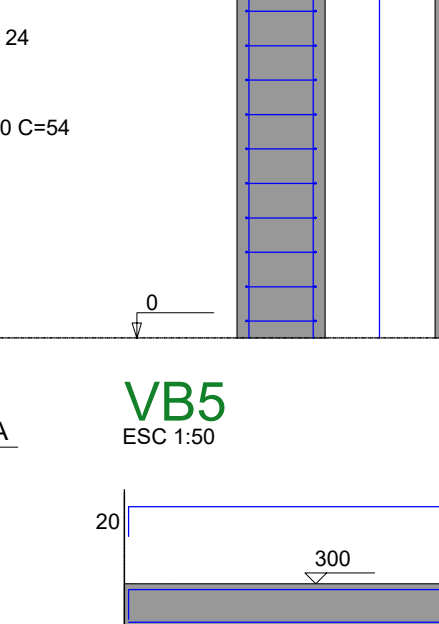
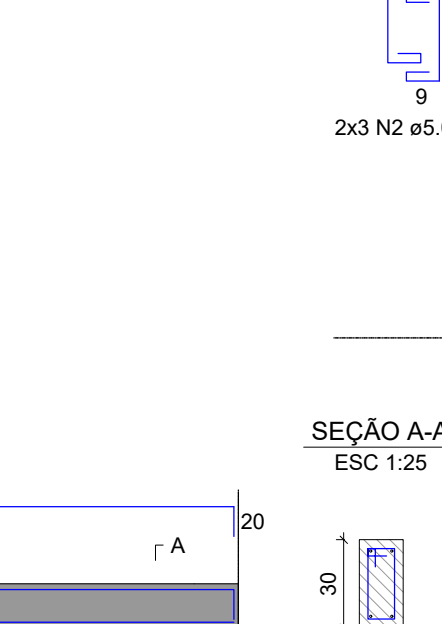
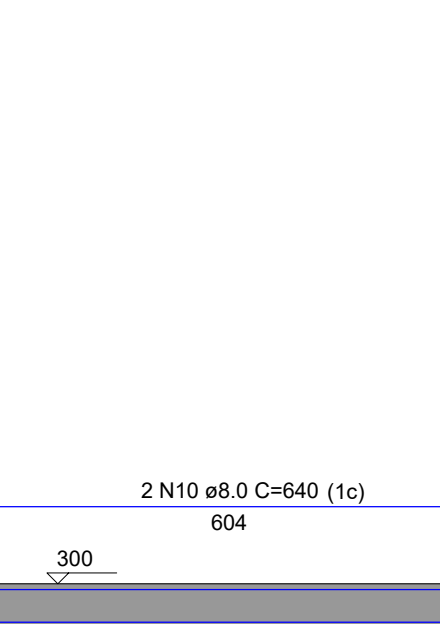
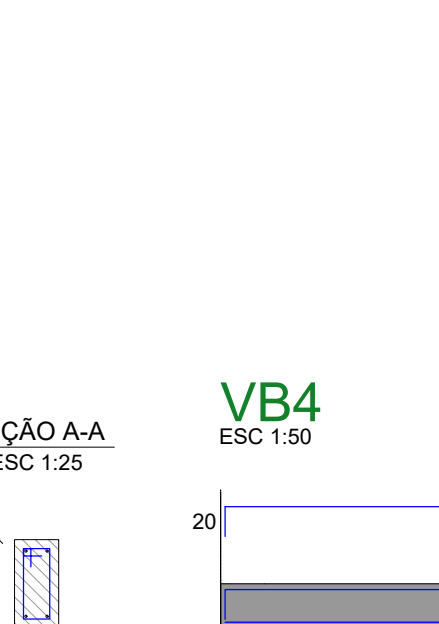
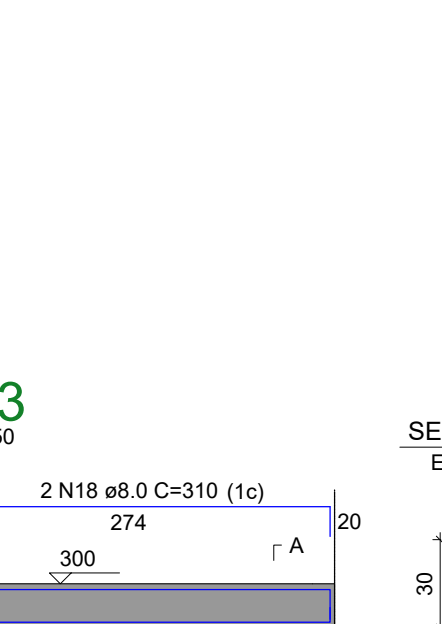
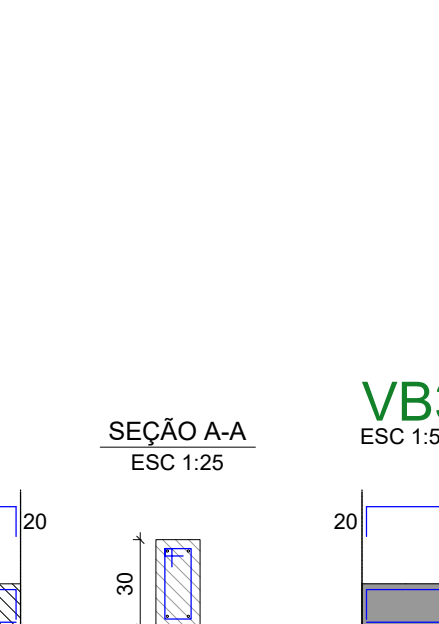
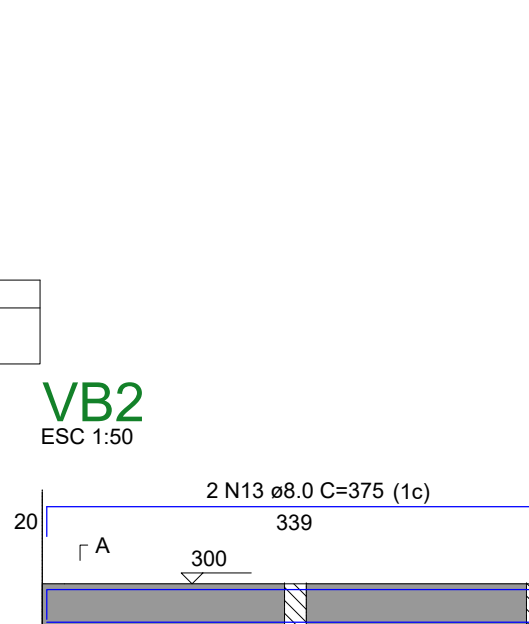
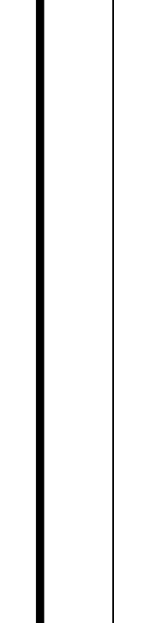
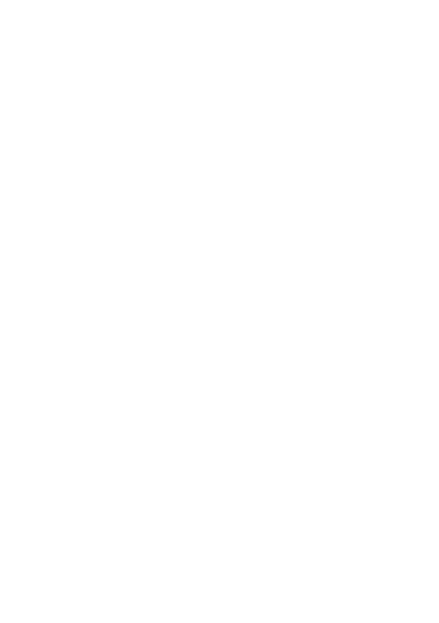
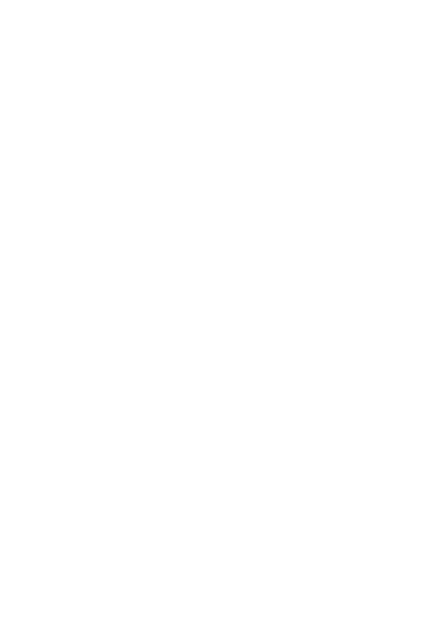
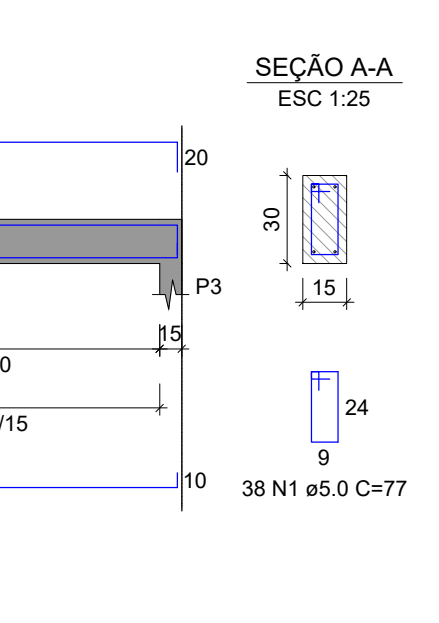
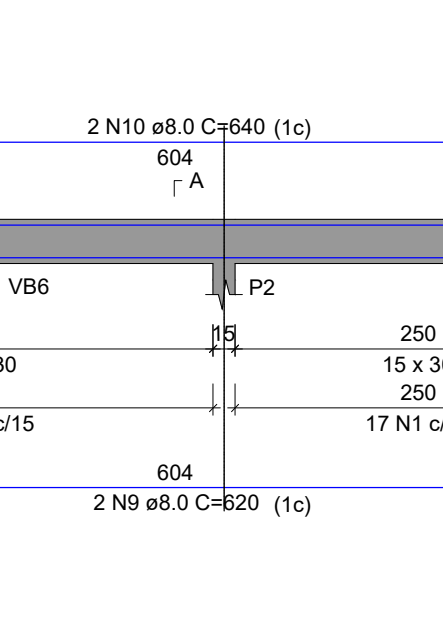
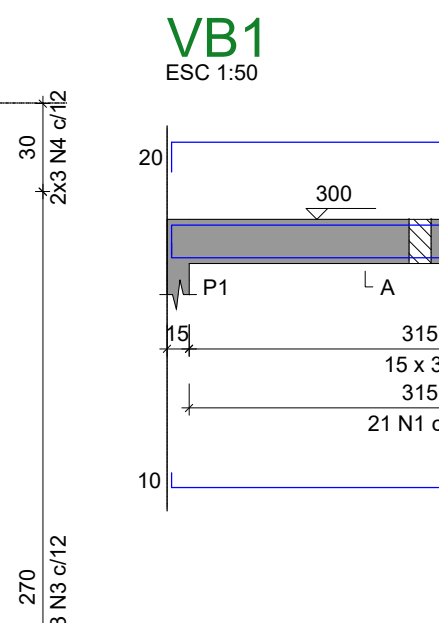
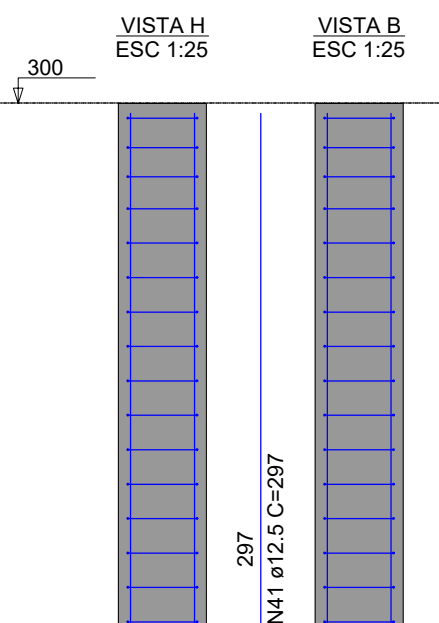
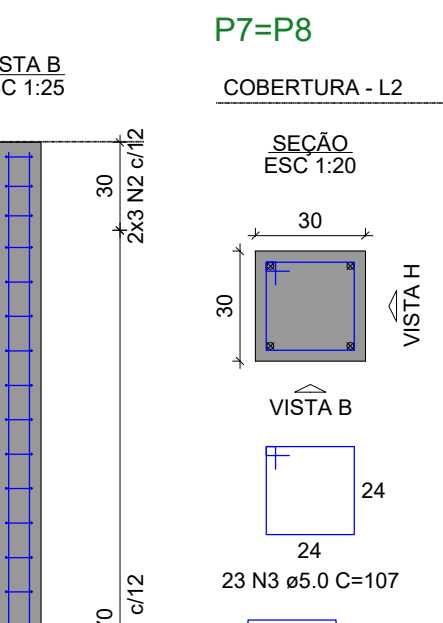
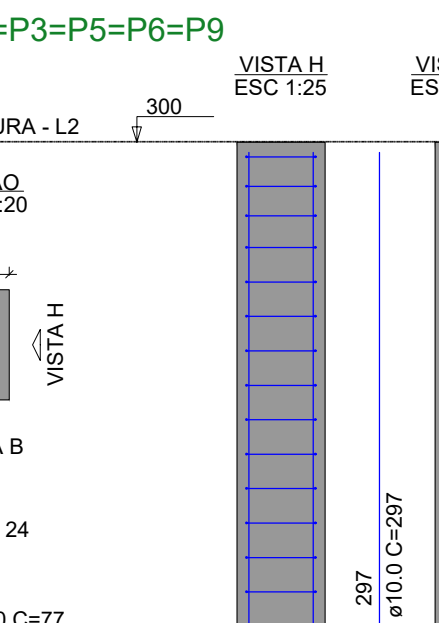
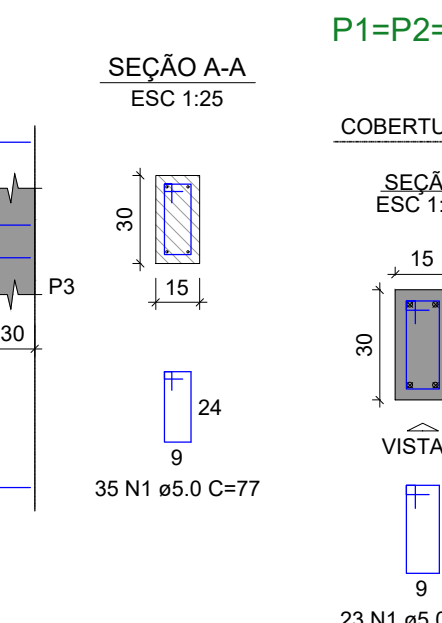
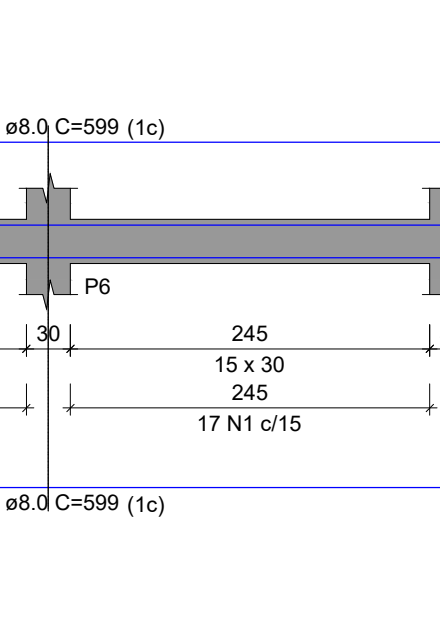
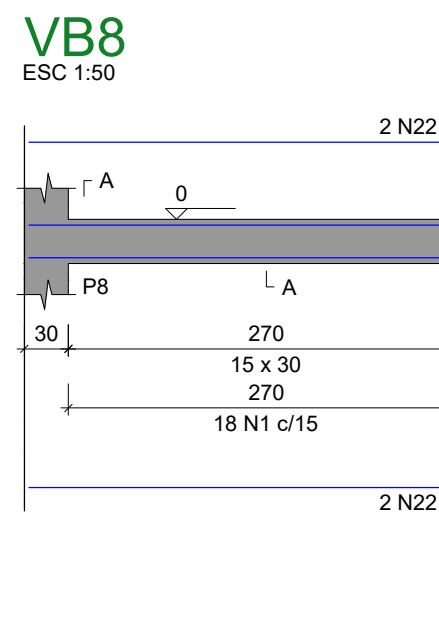
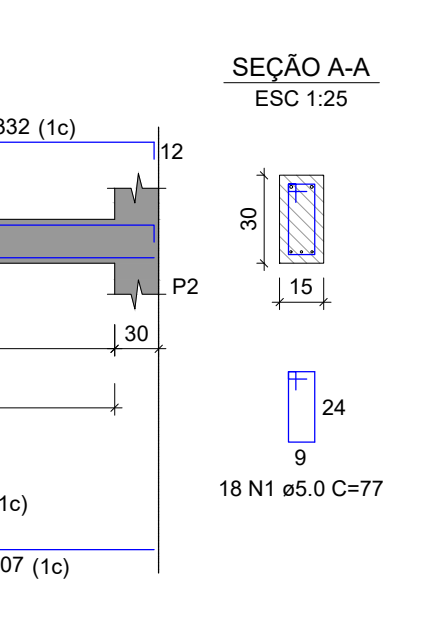
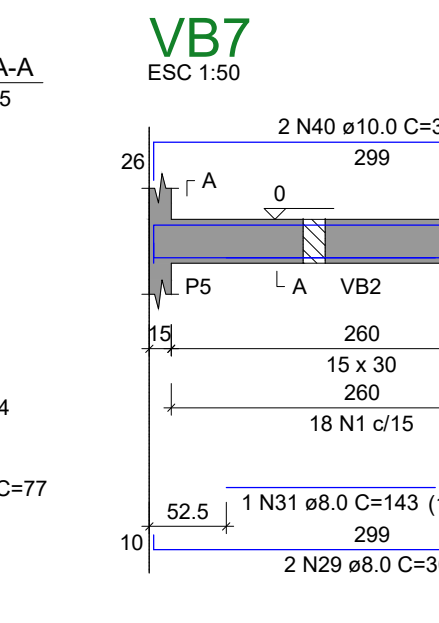
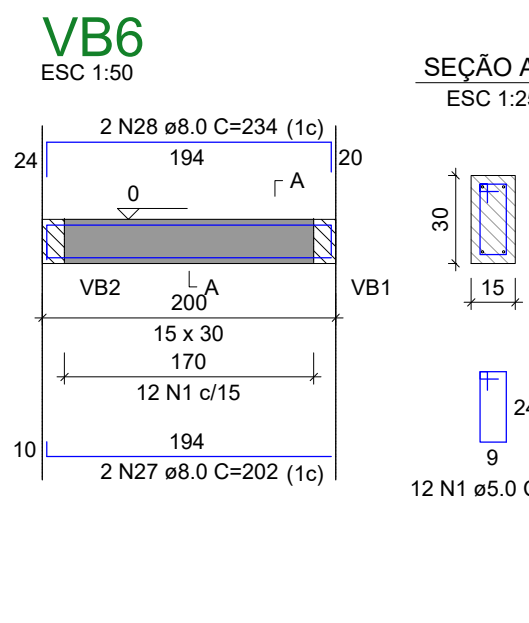
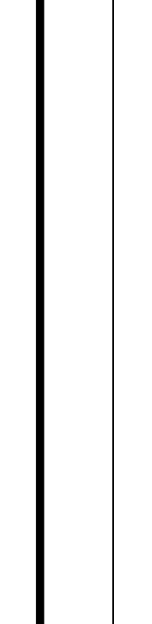
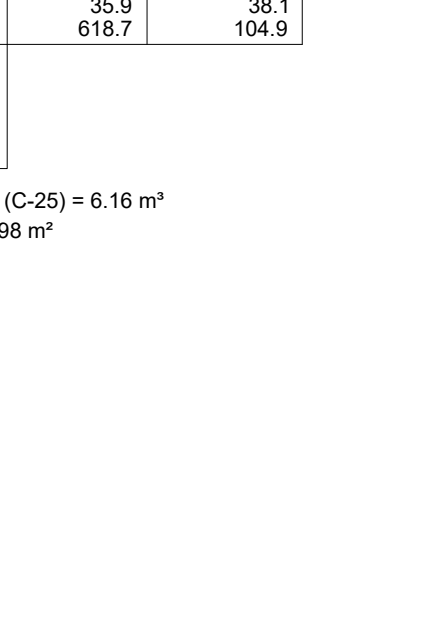
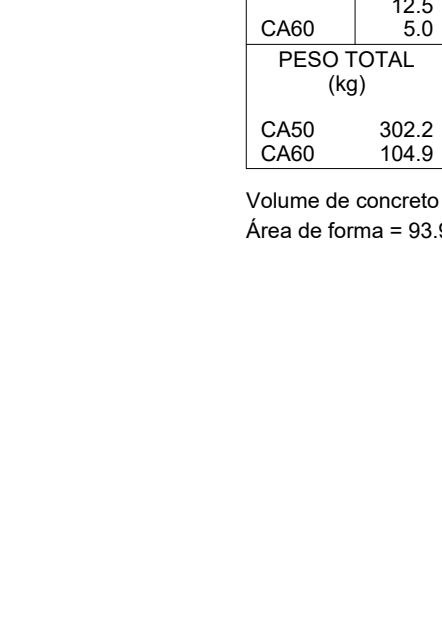
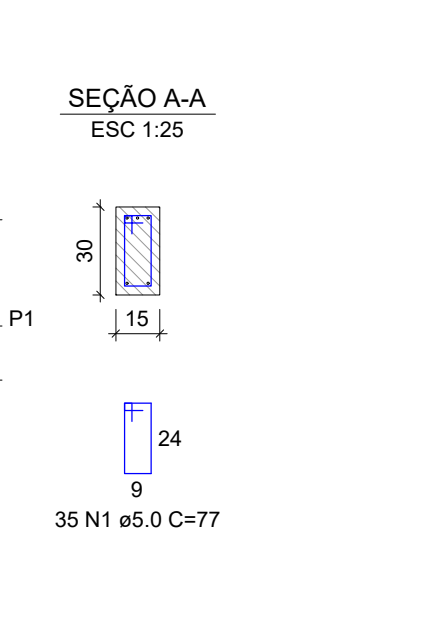
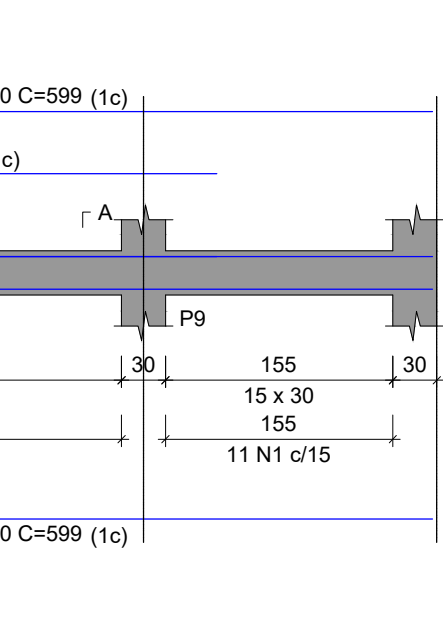
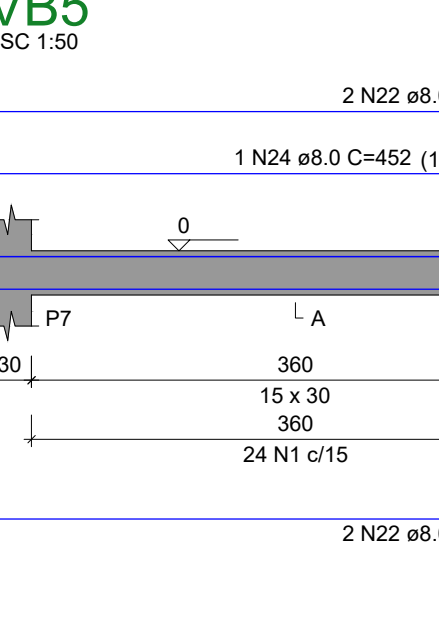
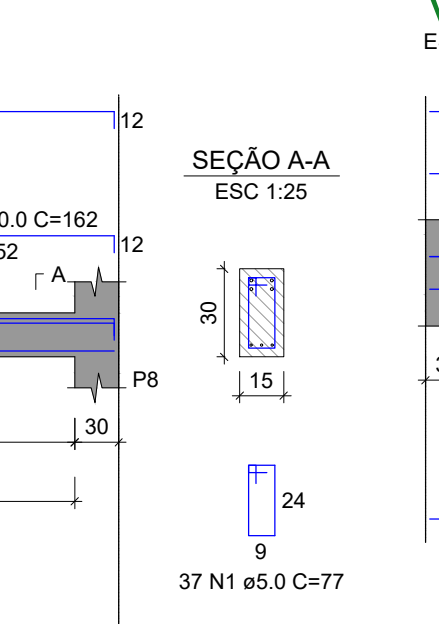
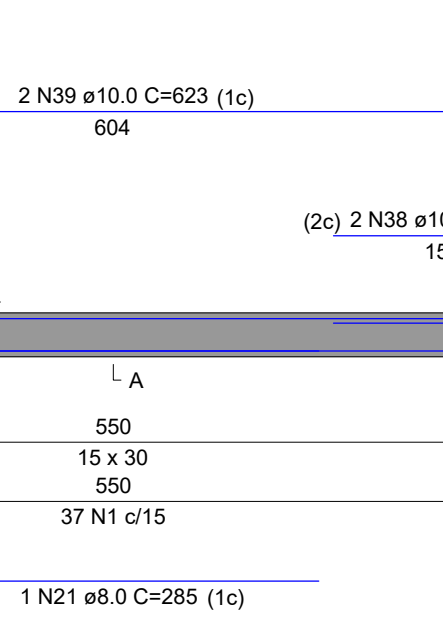
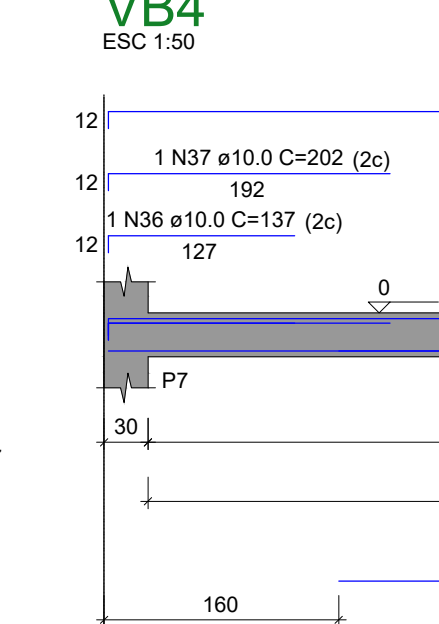
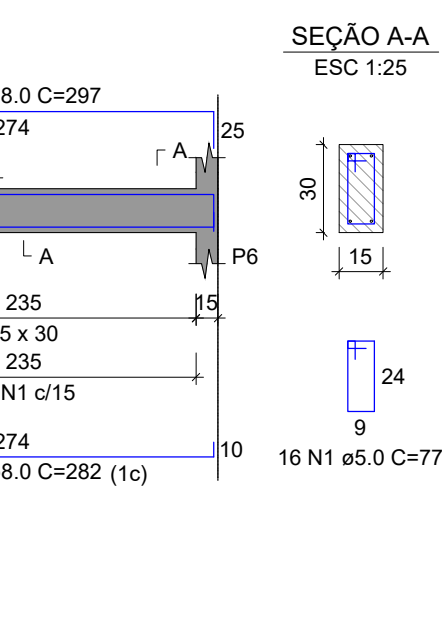
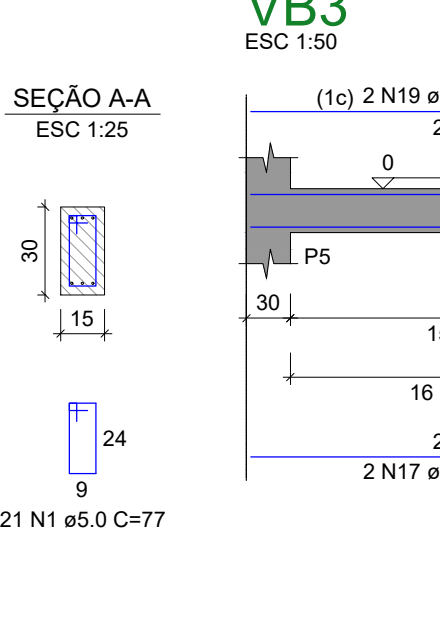
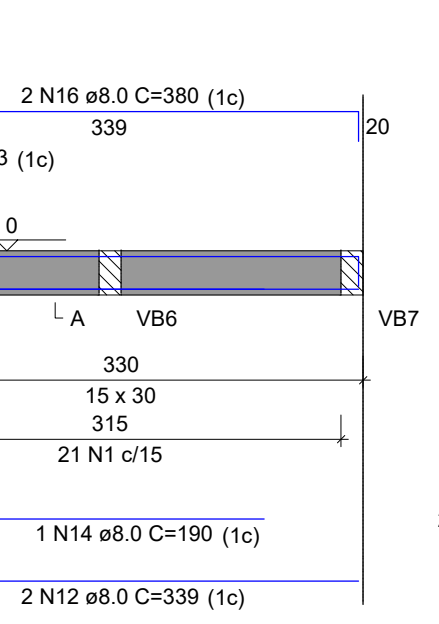
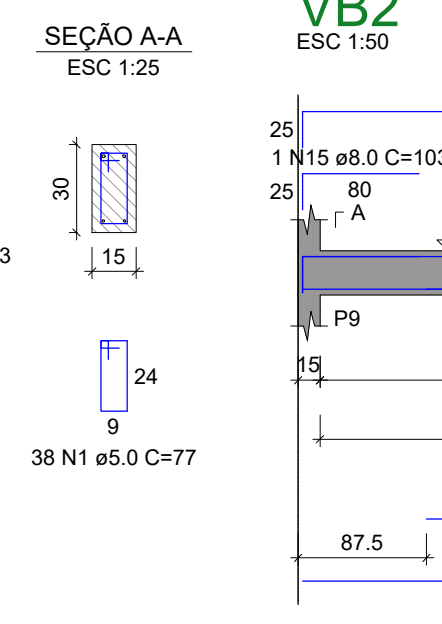
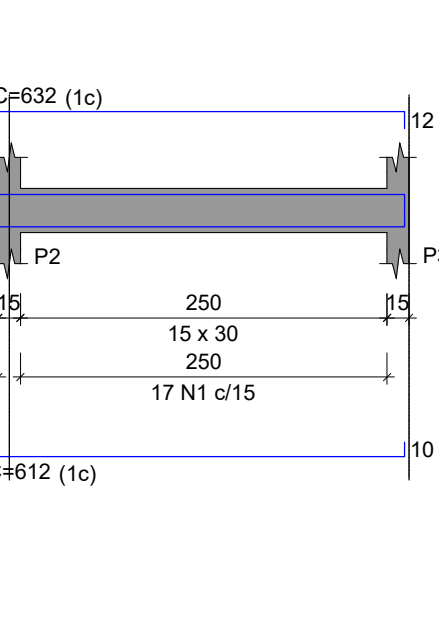
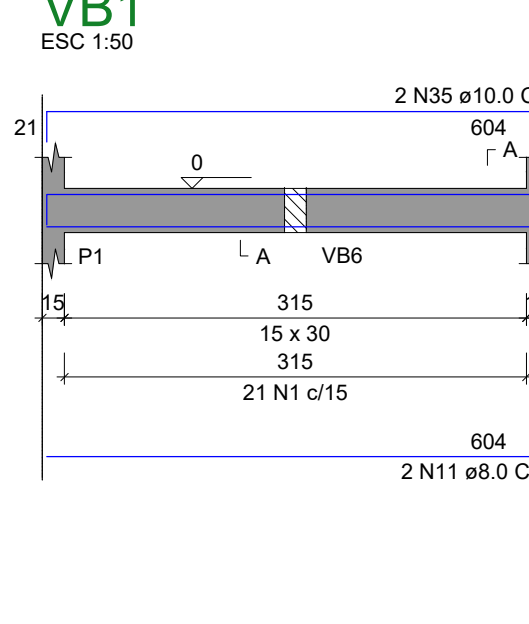
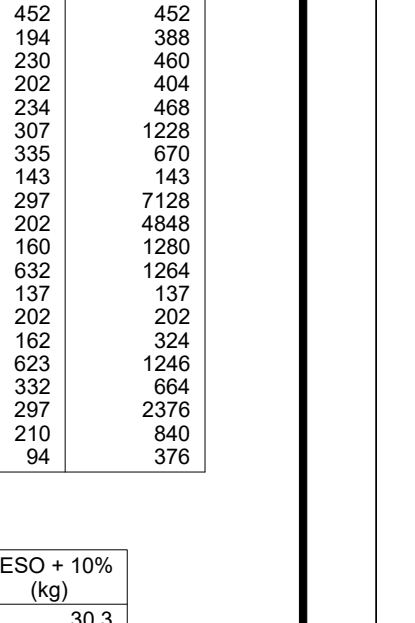
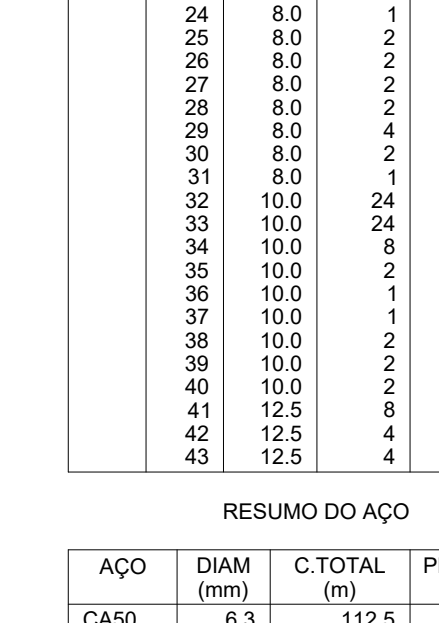
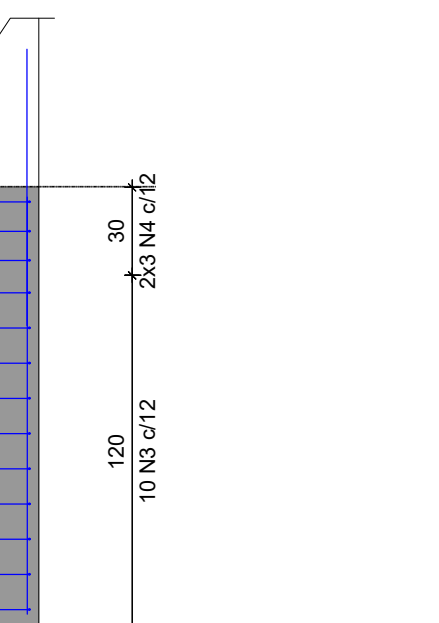
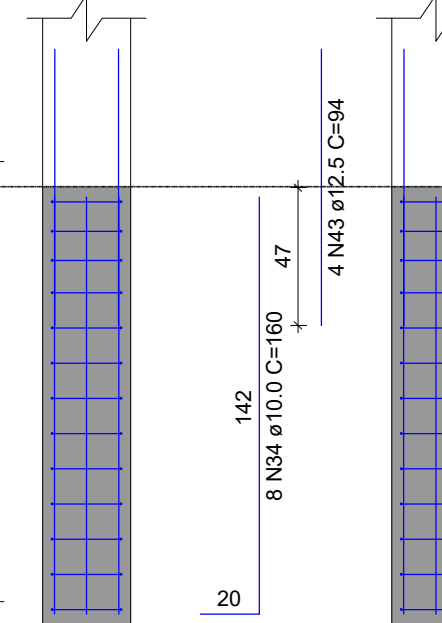
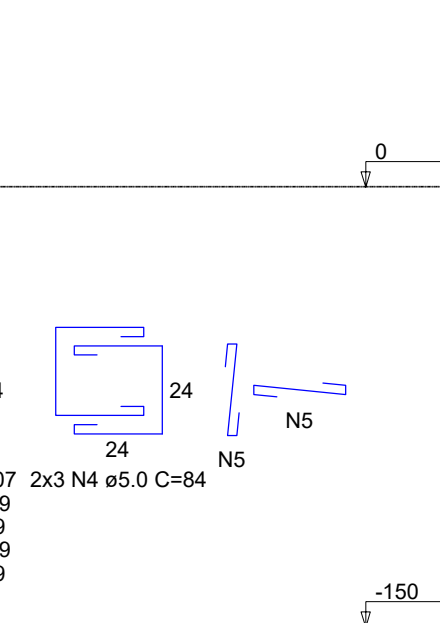
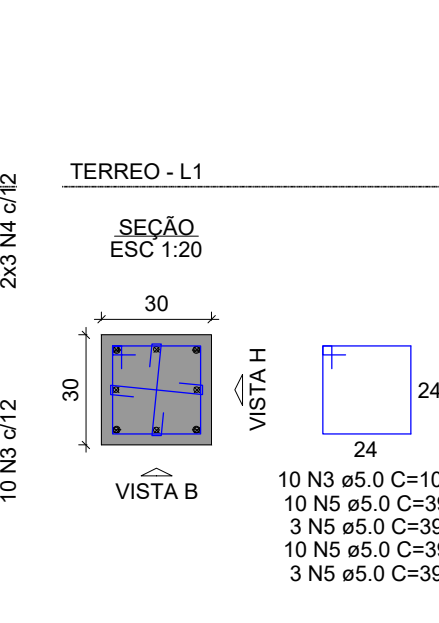
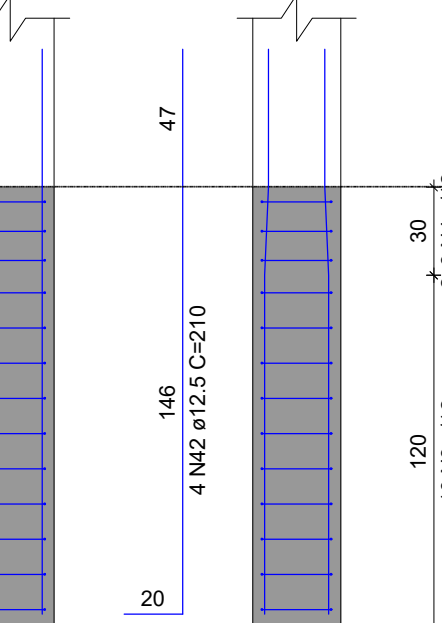
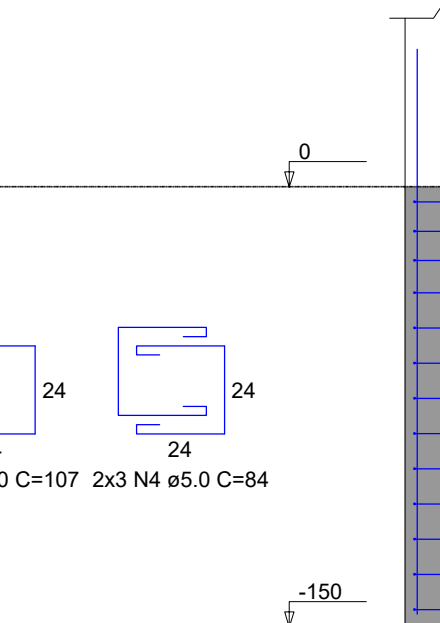
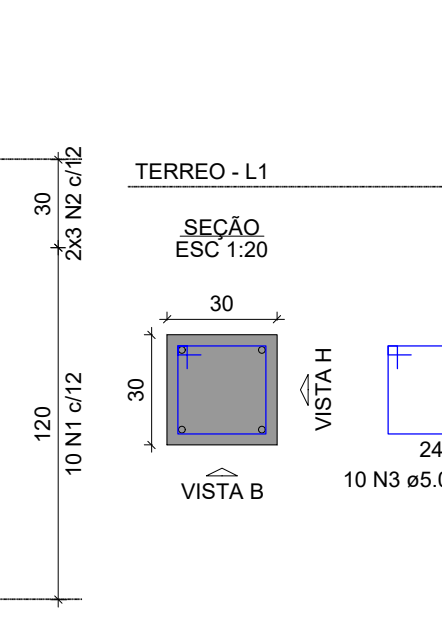
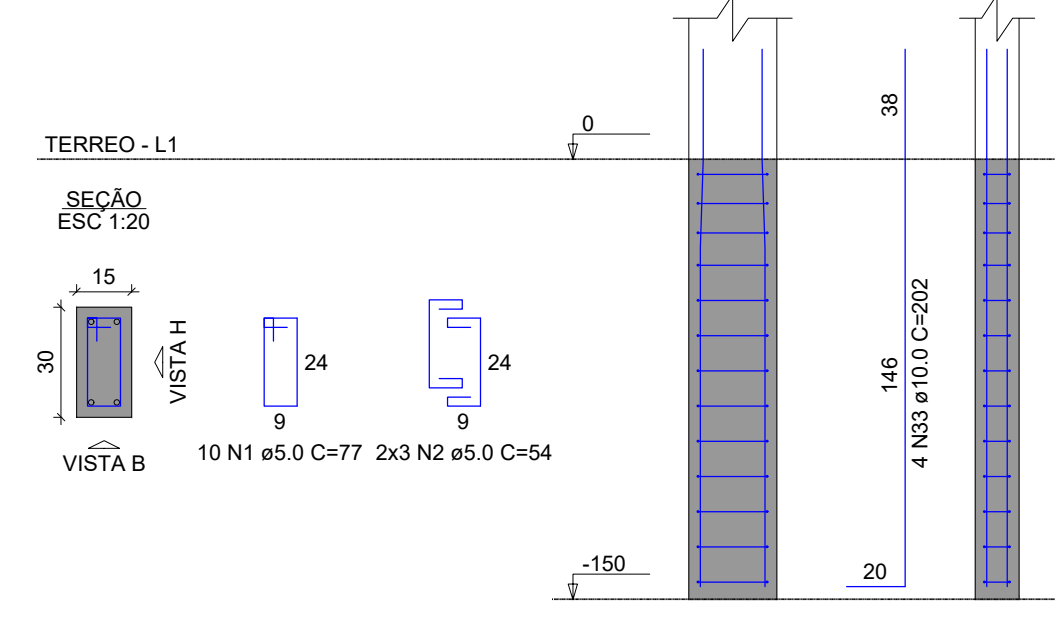
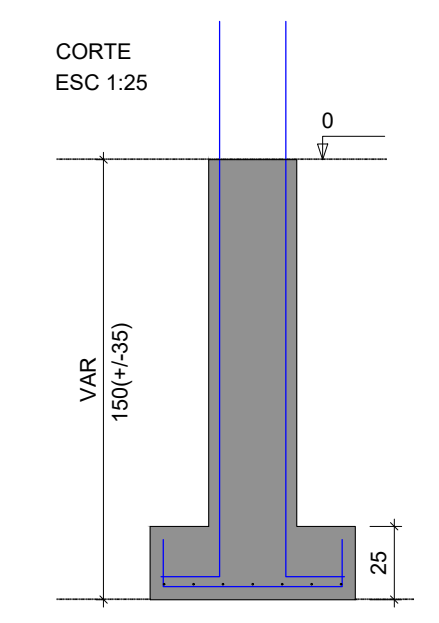
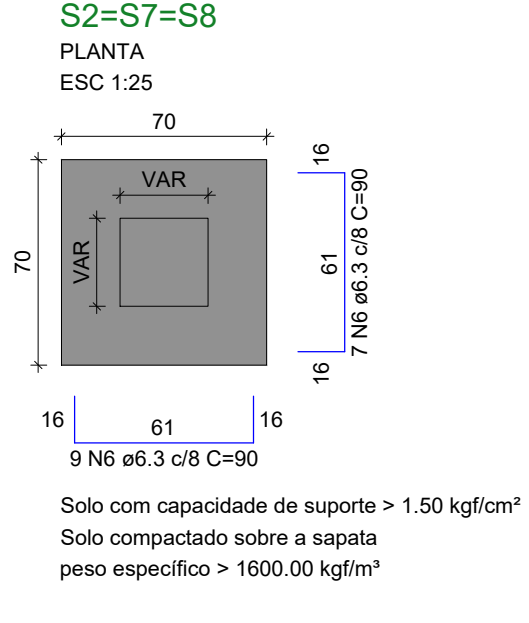
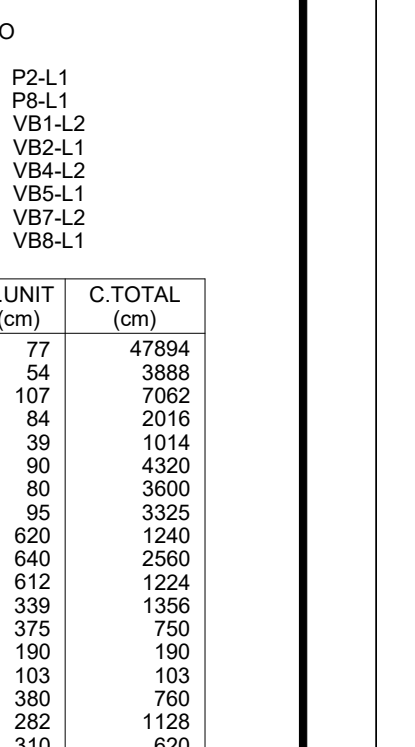
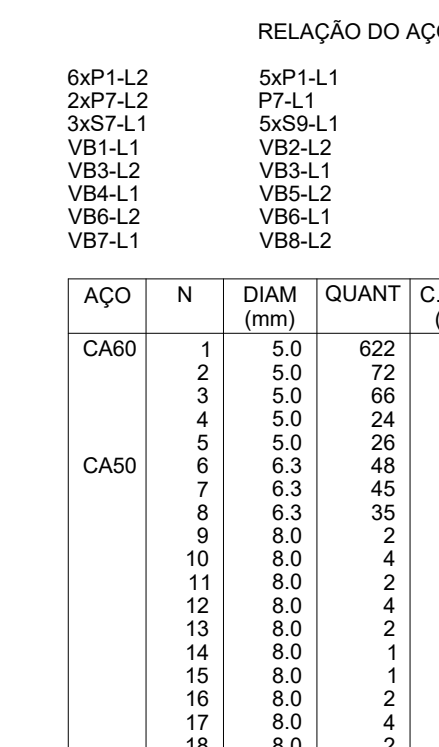
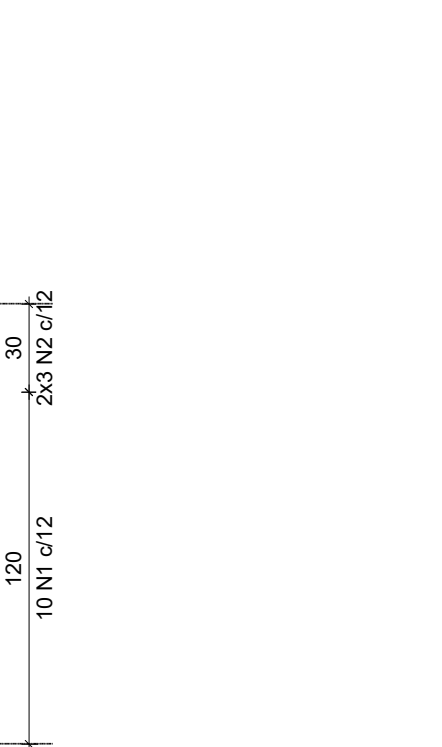
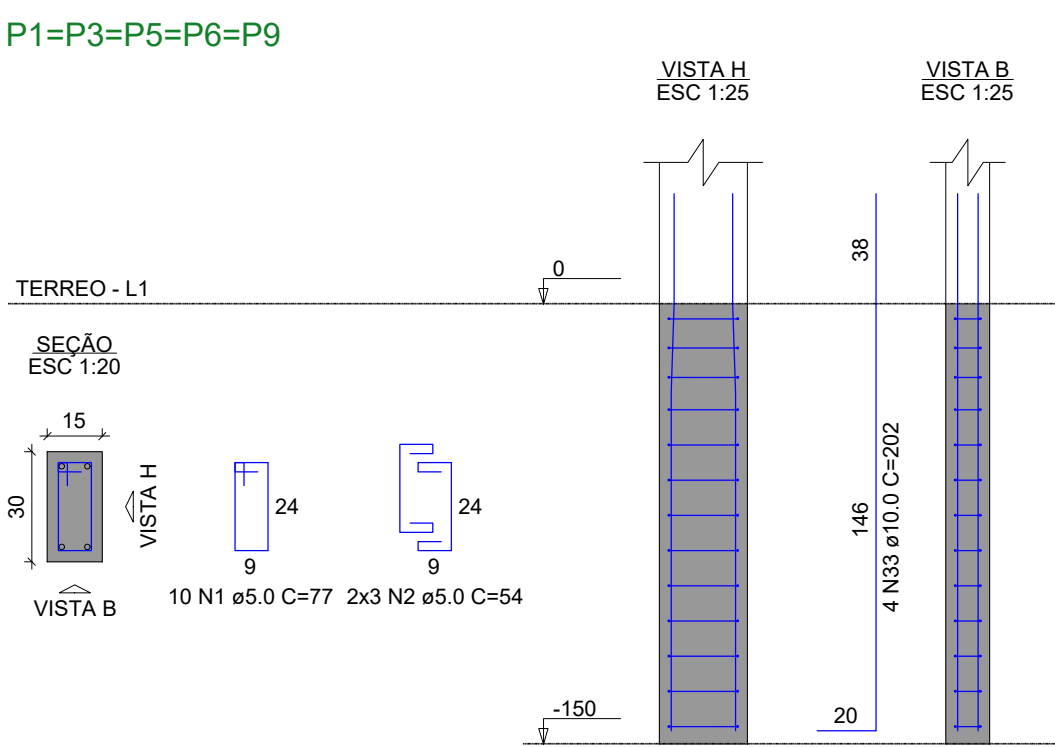
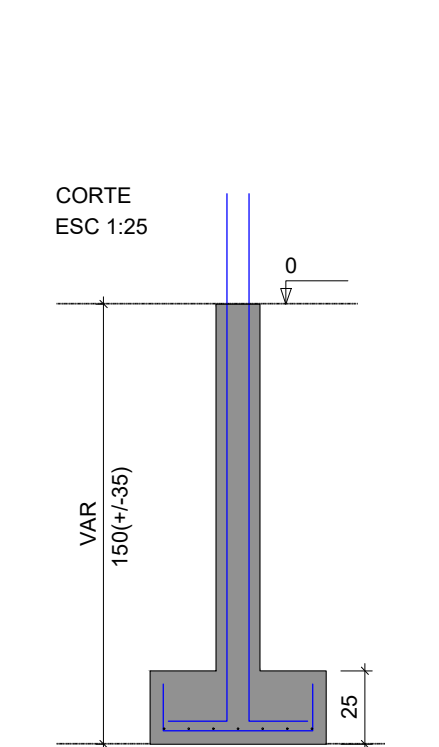
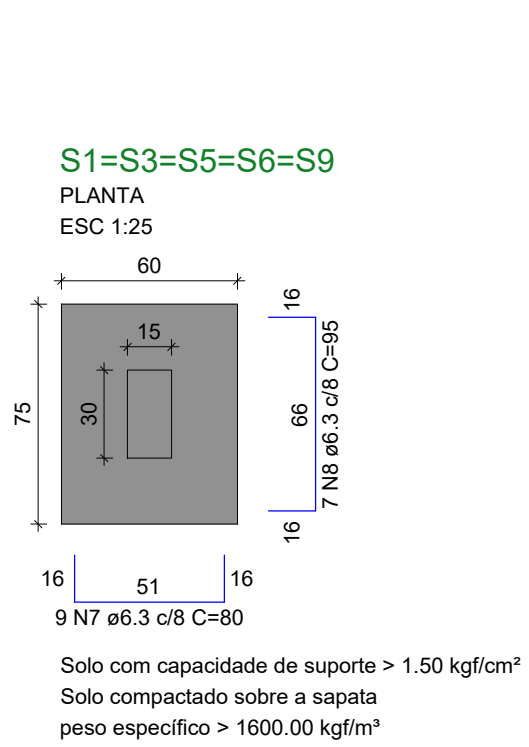
Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VB1	15x30	0	0
VB2	15x30	0	0
VB3	15x30	0	0
VB4	15x30	0	0
VB5	15x30	0	0
VB6	15x30	0	0
VB7	15x30	0	0
VB8	15x30	0	0

Características dos materiais		
fck	Ecs	(kg/cm³)
250	24.100	
Dimensão máxima do agregado = 19 mm		

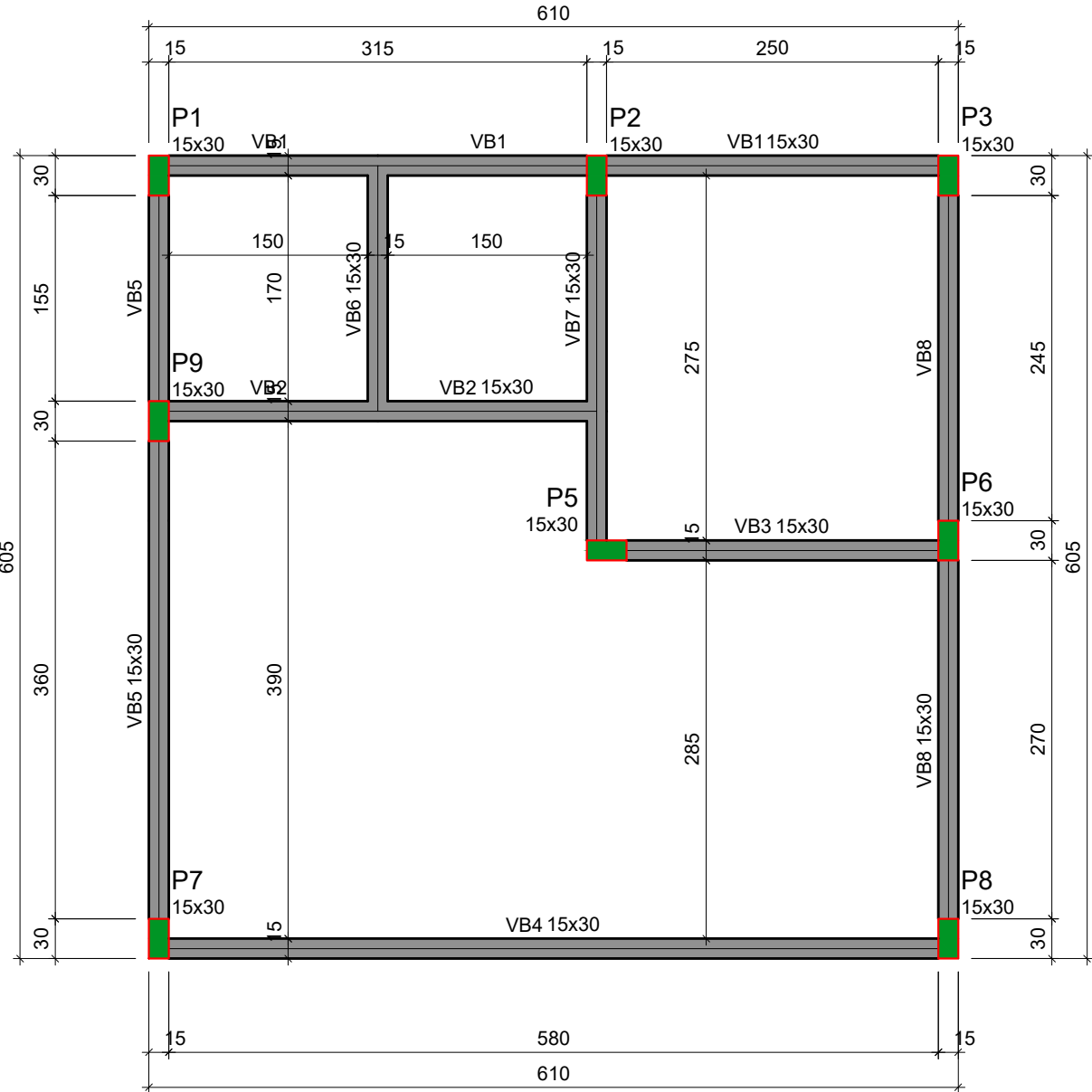
Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15x30	0	0
P2	15x30	0	0
P3	15x30	0	0
P4	15x30	0	0
P5	15x30	0	0
P6	15x30	0	0
P7	15x30	0	0
P8	15x30	0	0
P9	15x30	0	0

Legenda dos pilares	
	Pilar que passa

Legenda das vigas e paredes	
	Viga



Forma do pavimento COBERTURA (Nível 300)



Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VB1	15x30	0	300
VB2	15x30	0	300
VB3	15x30	0	300
VB4	15x30	0	300
VB5	15x30	0	300
VB6	15x30	0	300
VB7	15x30	0	300
VB8	15x30	0	300

Características dos materiais		
fck	Ecs	(kg/cm³)
250	24.100	
Dimensão máxima do agregado = 19 mm		

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15x30	0	300
P2	15x30	0	300
P3	15x30	0	300
P4	15x30	0	300
P5	15x30	0	300
P6	15x30	0	300
P7	15x30	0	300
P8	15x30	0	300
P9	15x30	0	300

Legenda dos pilares	
	Pilar que morre

Legenda das vigas e paredes	
	Viga

RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C UNIT (cm)	C TOTAL (cm)
CA60	1	5.0	622	77	47864
	2	5.0	72	84	3888
	3	5.0	66	107	7062
	4	5.0	24	84	2016
	5	5.0	28	39	1014
	6	5.0	48	80	3225
	7	6.3	45	80	3600
	8	6.3	35	64	2240
	9	8.0	2	620	1240
	10	8.0	4	640	2560
	11	8.0	2	612	1224
	12	8.0	2	339	1356
	13	8.0	2	375	750
	14	8.0	1	150	150
	15	8.0	1	103	103
	16	8.0	2	380	760
	17	8.0	4	262	1048
	18	8.0	2	310	620
	19	8.0	2	297	594
	20	8.0	2	604	1208
	21	8.0	1	285	285
	22	8.0	12	599	7188
	23	8.0	4	635	2540
	24	8.0	1	452	452
	25	8.0	2	194	388
	26	8.0	2	234	468
	27	8.0	2	202	404
	28	8.0	2	234	468
	29	8.0	4	307	1228
	30	8.0	2	334	668
	31	8.0	1	143	143
	32	10.0	24	202	4848
	33	10.0	8	160	1280
	34	10.0	2	632	1264
	35	10.0	1	137	137
	36	10.0	1	202	202
	37	10.0	2	162	324
	38	10.0	2	623	1246
	39	10.0	2	332	664
	40	12.5	8	297	2376
	41	12.5	4	210	840
	42	12.5	4	94	376