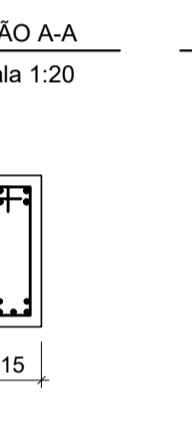
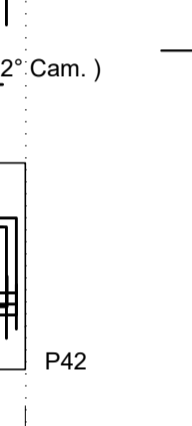
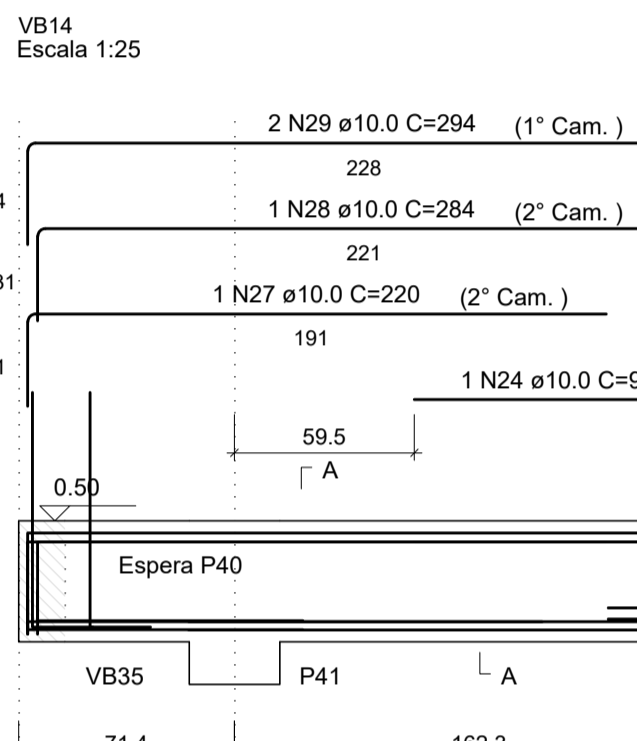
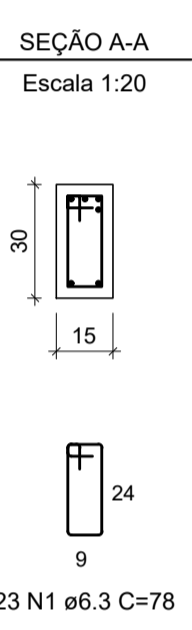
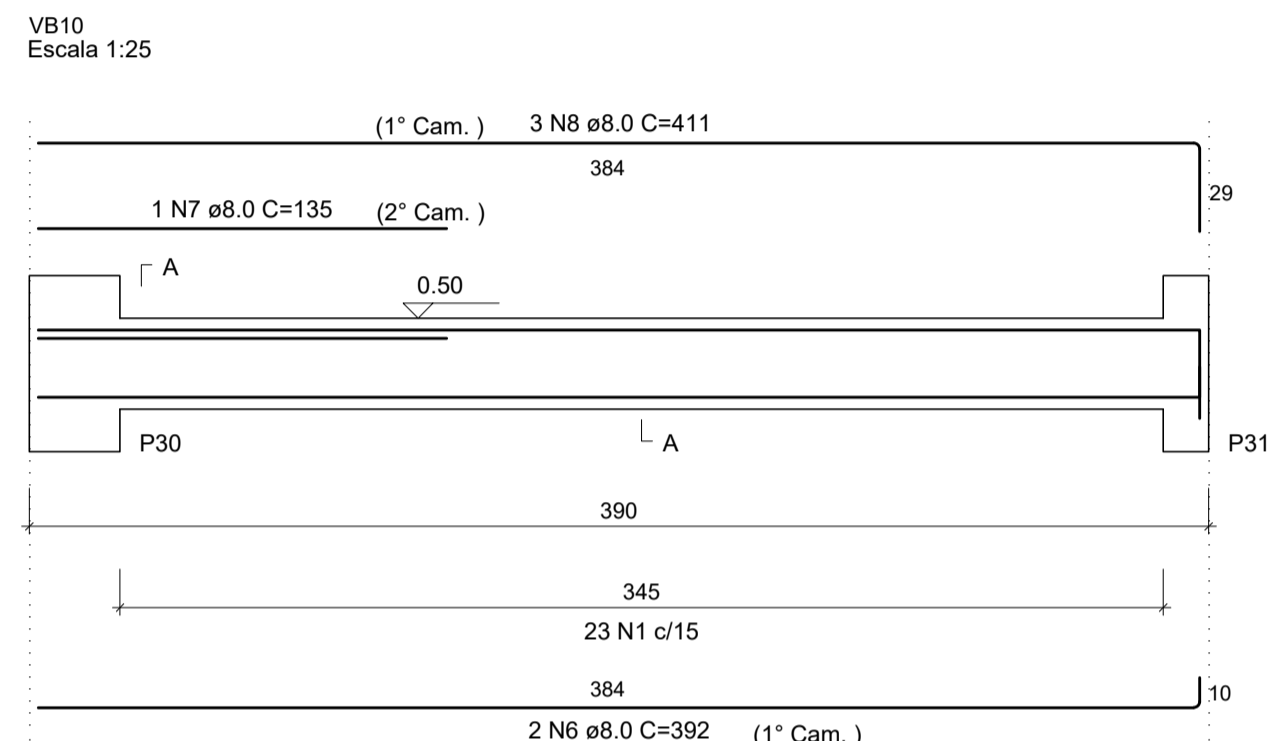
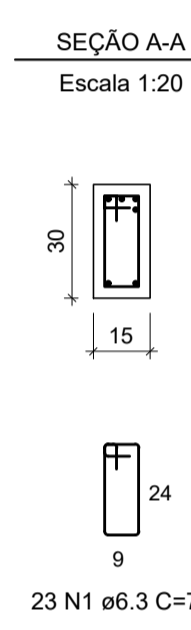
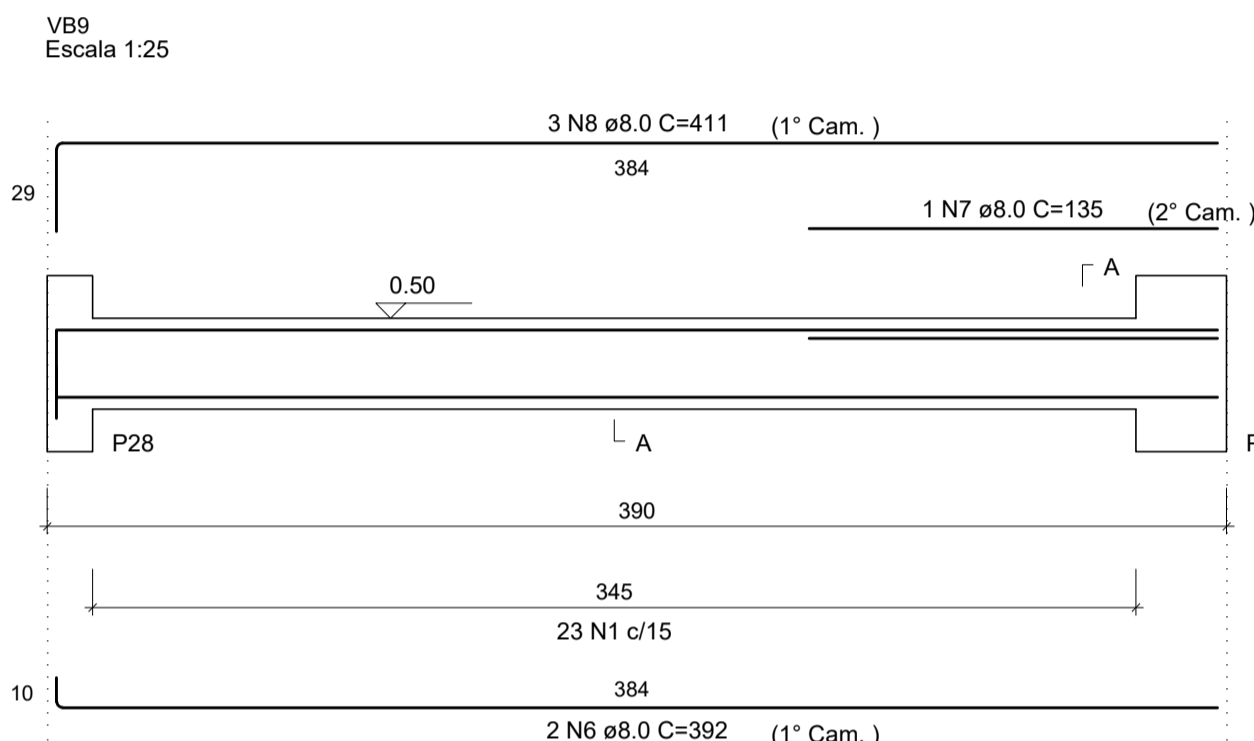


RELAÇÃO DO AÇO

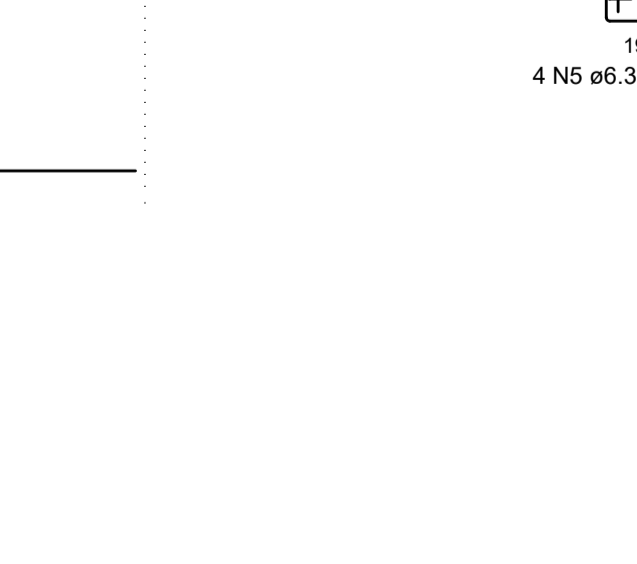
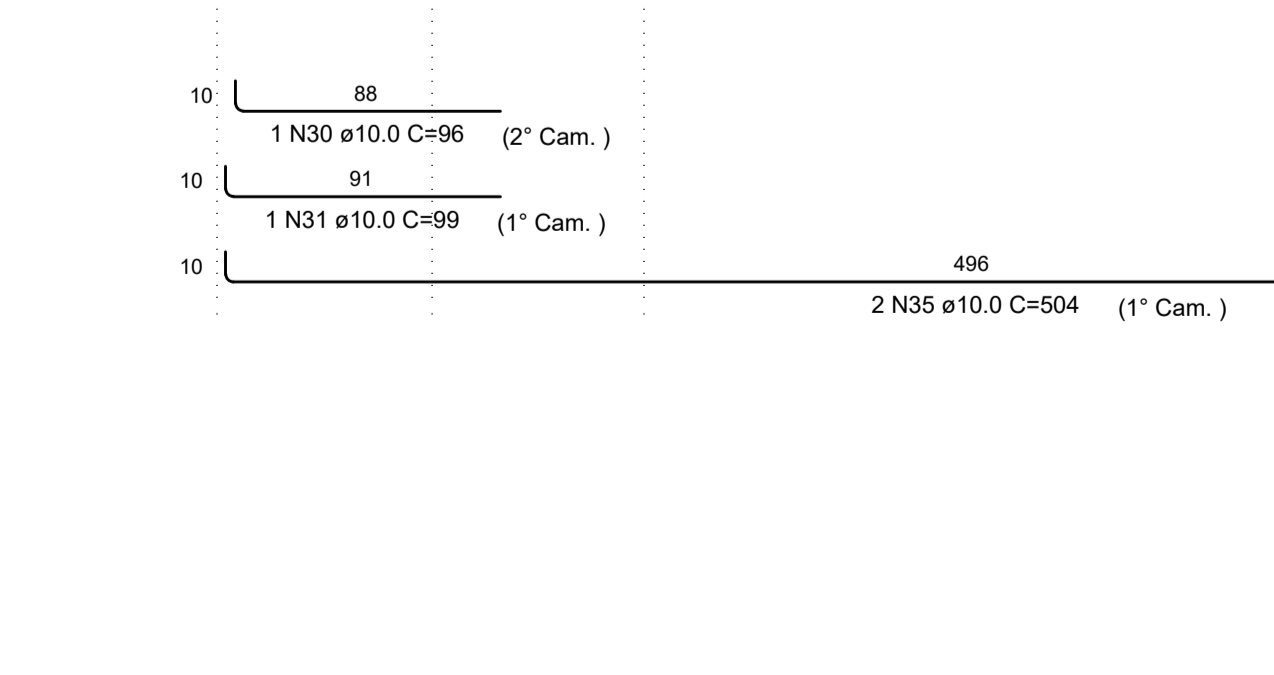
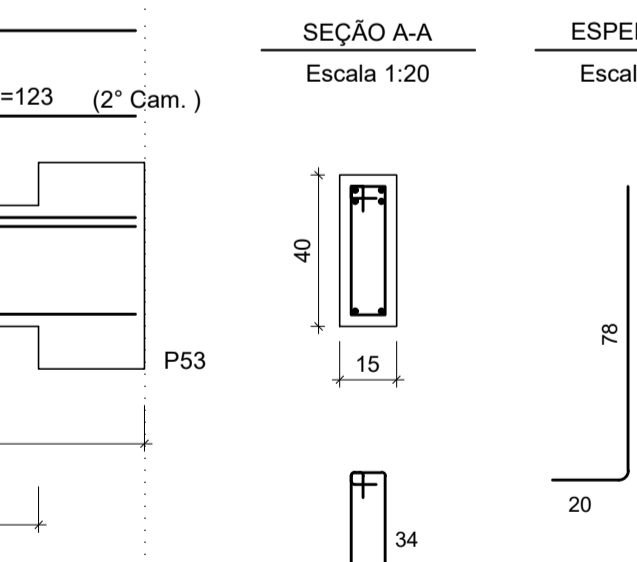
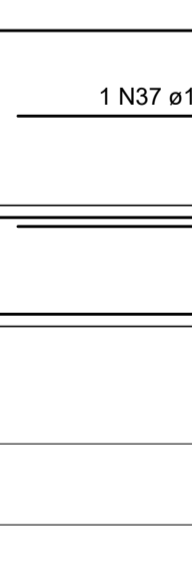
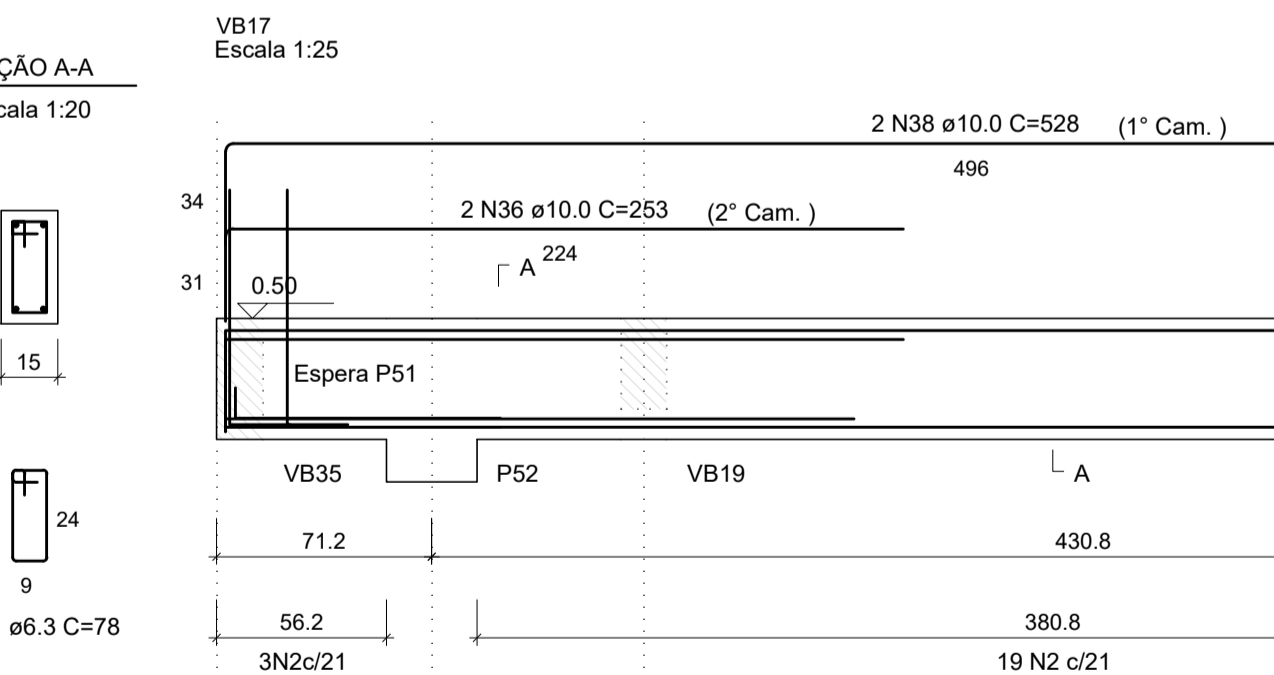
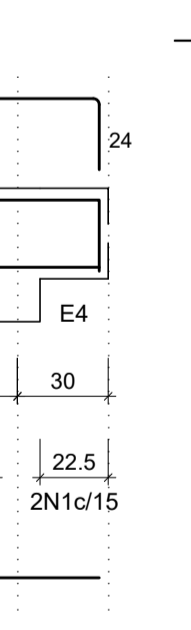
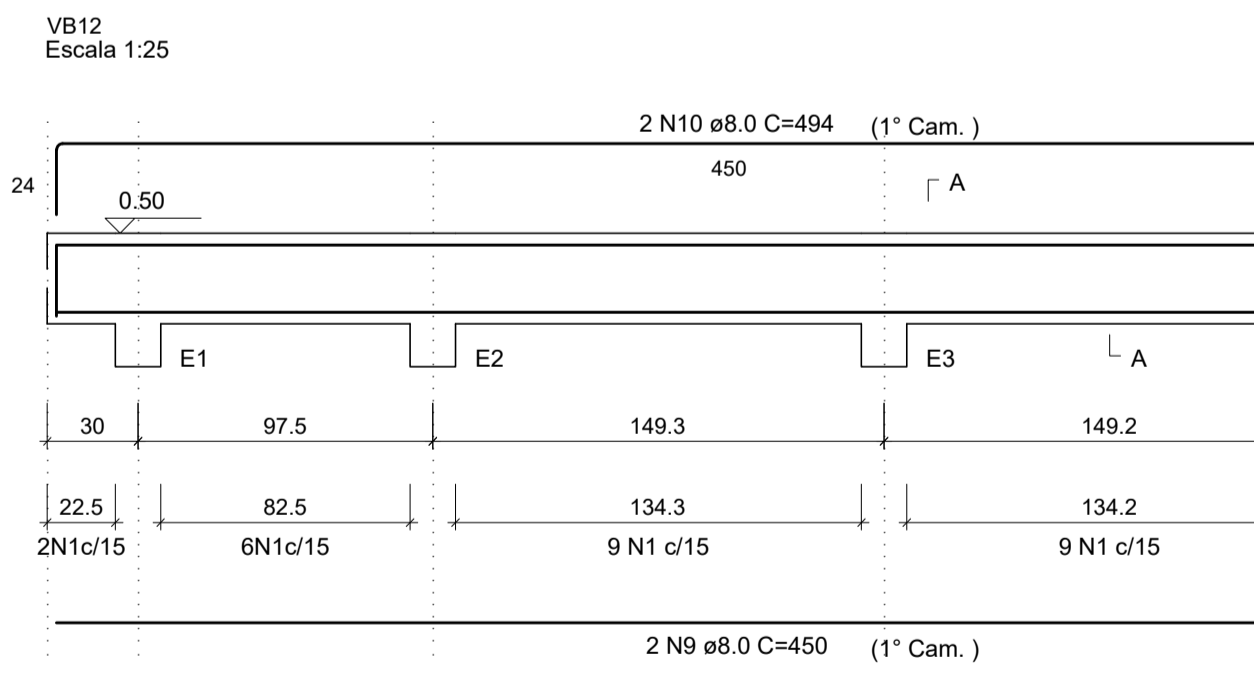
AÇO	N	DIAM (mm)	QUANT	C.TOTAL (cm)	C.TOTAL (cm)
CA50	1	6.3	101	78	7878
	2	6.3	53	98	5194
	3	6.3	5	76	380
	4	6.3	3	88	264
	5	6.3	12	68	816
	6	8.0	4	392	1568
	7	8.0	2	135	270
	8	8.0	6	411	2466
	9	8.0	2	450	900
	10	8.0	2	494	988
	11	8.0	2	179	358
	12	8.0	3	182	546
	13	8.0	1	170	170
	14	8.0	3	181	543
	15	8.0	3	208	624
	16	10.0	2	389	778
	17	10.0	1	122	122
	18	10.0	1	125	125
	19	10.0	2	177	354
	20	10.0	2	160	320
	21	10.0	2	210	420
	22	10.0	2	219	438
	23	10.0	24	96	2304
	24	10.0	1	95	95
	25	10.0	1	96	96
	26	10.0	3	99	297
	27	10.0	1	220	220
	28	10.0	1	284	284
	29	10.0	2	294	588
	30	10.0	2	96	192
	31	10.0	2	99	198
	32	10.0	2	196	392
	33	10.0	2	238	476
	34	10.0	2	244	488
	35	10.0	2	504	1008
	36	10.0	2	253	506
	37	10.0	1	123	123
	38	10.0	2	528	1056
	39	12.5	2	456	912
	40	12.5	12	104	1248



RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	UNIT	PESO + 10% (kg)
CA50	6.3	145.3	14	12 m	39.1
	8.0	84.3	8	12 m	36.6
	10.0	108.8	10	12 m	73.8
	12.5	21.6	2	12 m	22.9
PESO TOTAL (kg)					
CA50		172.4			

Volume de concreto (C-25) = 1.38 m³  
Área de forma = 22.50 m²



CLIENTE: Prefeitura Municipal de Pouso Alegre

PROJETO: REFORMA E AMPLIAÇÃO DO CEIM ANNA VIANA DE ANDRADE

GERÊNCIA DE PROJETOS: DENIS DE SOUZA SILVA CREA: MG-127.216/D

COORDENAÇÃO DE PROJETOS: ALOISIO CAETANO FERREIRA CREA: MG-97.132/D

RESPONSÁVEL TÉCNICO: ENGR. ELÉTRICO ADRIANO M. CAMPOS CREA: MG-187.842/D

PROJETO: FLÁVIA C. BARBOSA E WILLIAM BARADEL LARI

DESENHO: WILLIAM BARADEL LARI

DISCIPLINA: ESTRUTURAL

FASE DO PROJETO: EXECUTIVO

FOLHA Nº: 11

DATA INICIAL: 02/08/2019 ESCALA: INDICADO REVISÃO: R01 ARQUIVO: DAC-PMPA-ANA-PE-EST-R01.DWG