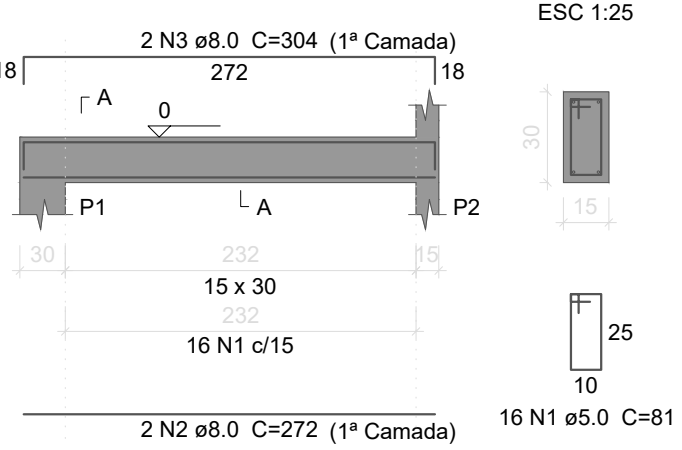
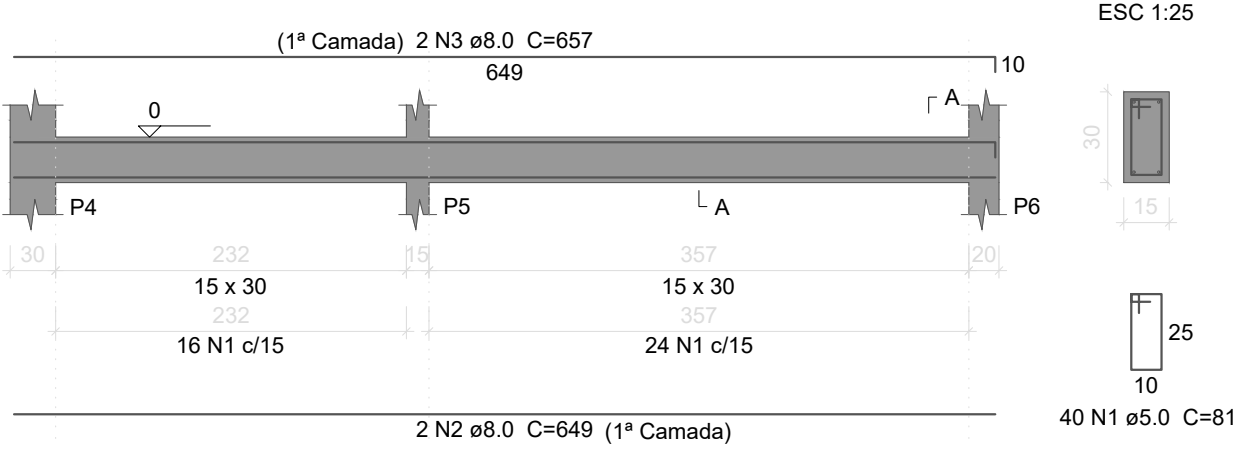


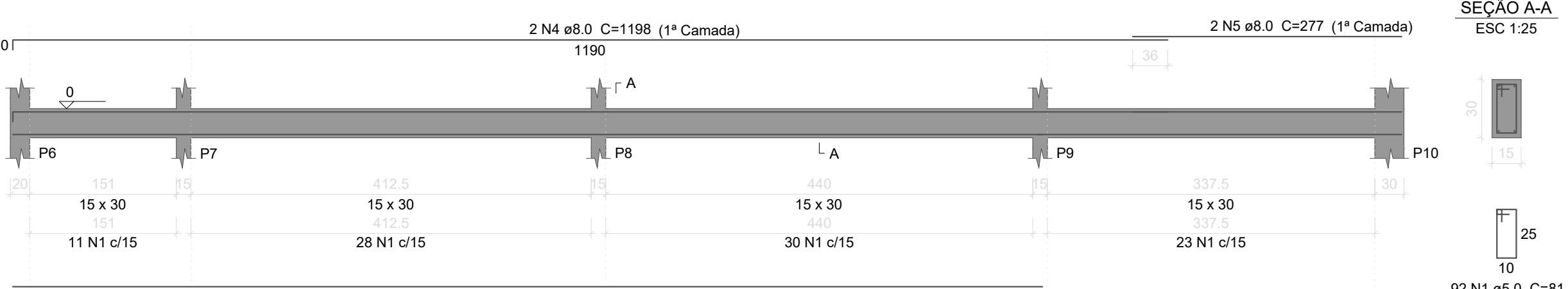
V1 (15 x 30)



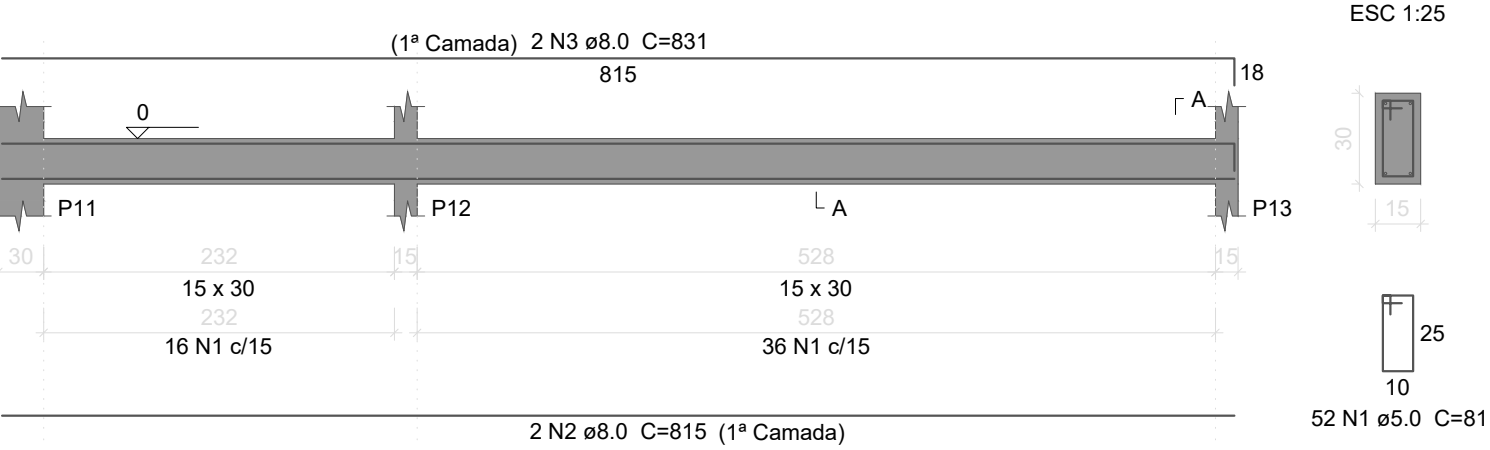
V2 (15 x 30)



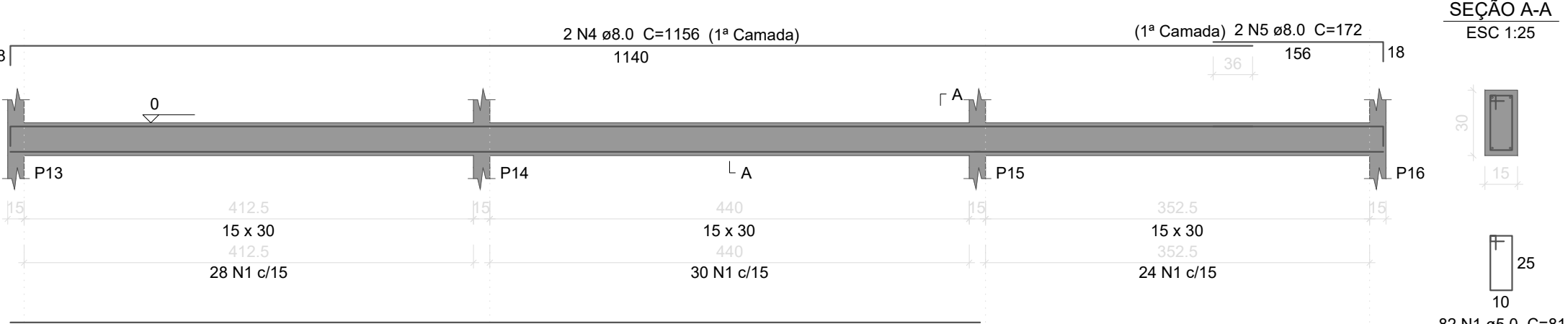
V3 (15 x 30)



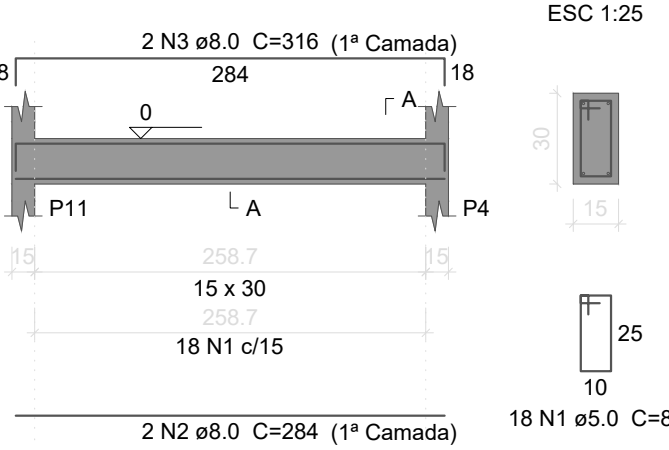
V4 (15 x 30)



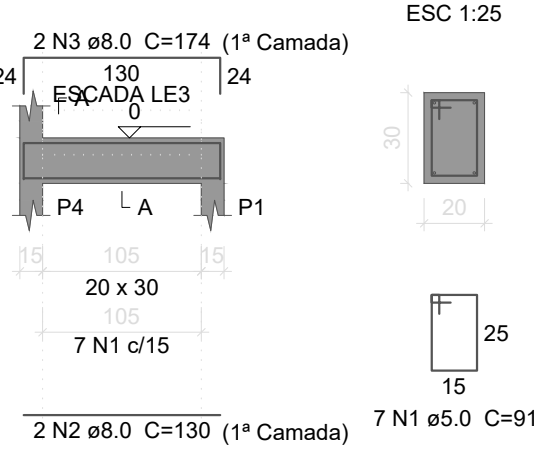
V5 (15 x 30)



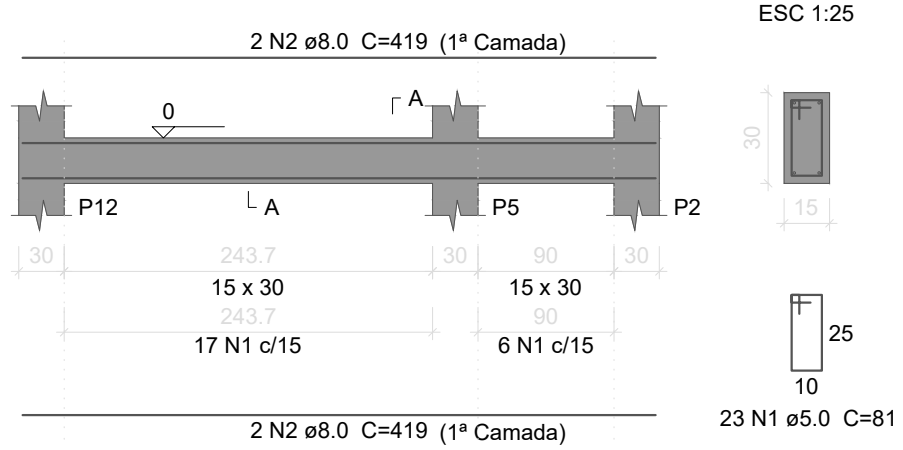
V6 (15 x 30)



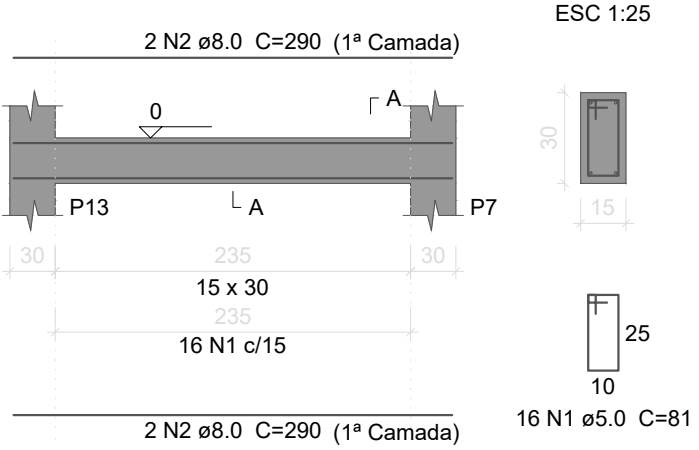
V7 (20 x 30)



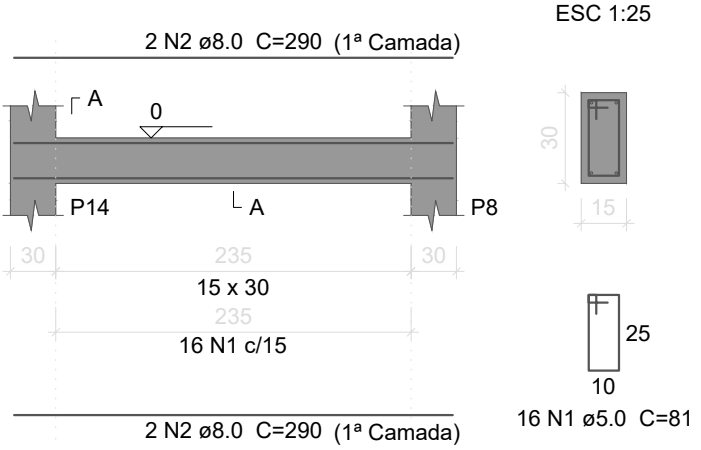
V8 (15 x 30)



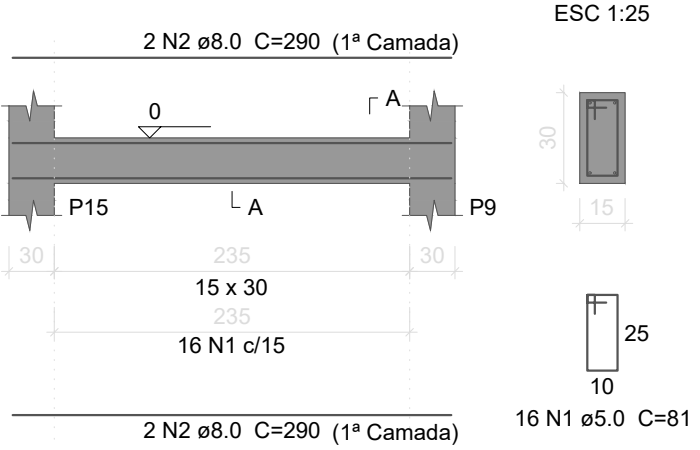
V9 (15 x 30)



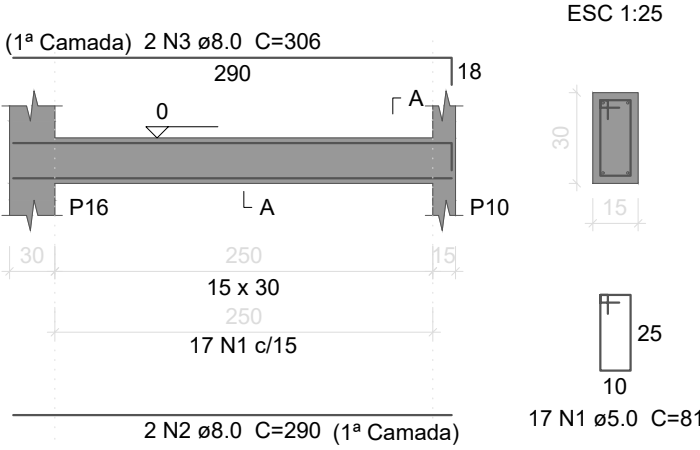
V10 (15 x 30)



V11 (15 x 30)



V12 (15 x 30)



Relação do aço

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V1	CA60	1	5.0	16	81	1296
	CA50	2	8.0	2	272	544
	CA50	3	8.0	2	304	608
V2	CA60	1	5.0	40	81	3240
	CA50	2	8.0	2	649	1298
	CA50	3	8.0	2	657	1314
V3	CA60	1	5.0	92	81	7452
	CA50	2	8.0	2	1061	2122
	CA50	3	8.0	2	375	750
V4	CA50	4	8.0	2	1198	2396
	CA60	1	5.0	52	81	4212
	CA50	2	8.0	2	815	1630
V5	CA50	3	8.0	2	831	1662
	CA60	1	5.0	82	81	6642
	CA50	2	8.0	2	890	1780
V6	CA50	3	8.0	2	375	750
	CA50	4	8.0	2	1156	2312
	CA50	5	8.0	2	172	344
V7	CA60	1	5.0	18	81	1458
	CA50	2	8.0	2	284	568
	CA50	3	8.0	2	316	632
V8	CA60	1	5.0	7	91	637
	CA50	2	8.0	2	130	260
	CA50	3	8.0	2	174	348
V9	CA60	1	5.0	23	81	1863
	CA50	2	8.0	4	419	1676
	CA60	1	5.0	16	81	1296
V10	CA50	2	8.0	4	290	1160
	CA60	1	5.0	16	81	1296
	CA50	2	8.0	4	290	1160
V11	CA60	1	5.0	17	81	1377
	CA50	2	8.0	2	290	580
	CA50	3	8.0	2	306	612


Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	UNIT	PESO + 10 % (kg)
CA50	8.0	262.2	25	12 m	113.8
CA60	5.0	320.7	30	12 m	54.4
PESO TOTAL (kg)					
CA50		113.8			
CA60		54.4			

Volume de concreto (C=30) = 2.62 m³
Área de forma = 43.24 m²

CONTEÚDO DA PRANCHA: DETALHAMENTO VIGAS DE BALDRAME

ÓRGÃOS PÚBLICOS:

 RUPE ENGENHARIA E ARQUITETURA CNPJ: 45.385.131/0001-72 FONE (49) 9 9177-9340	NOME DA OBRA: Mezanino Ginásio de Esporte Santa Cruz
	ENDEREÇO: ÁGUAS MORNAS – SC
	PROPRIETÁRIO: Prefeitura Municipal de Aguas Mornas – SC

PROJETO ESTRUTURAL			
RESPONSÁVEL TÉCNICO: EDUARDO J. B. RUPE CREA/SC: 140616-4		PROPRIETÁRIO: Prefeitura Municipal de Aguas Mornas – SC CNPJ: 82.892.266/0001-50	
REVISÃO REV. 03	ESCALA INDICADA	DATA ABRIL / 2024	PRANCHA 04/10