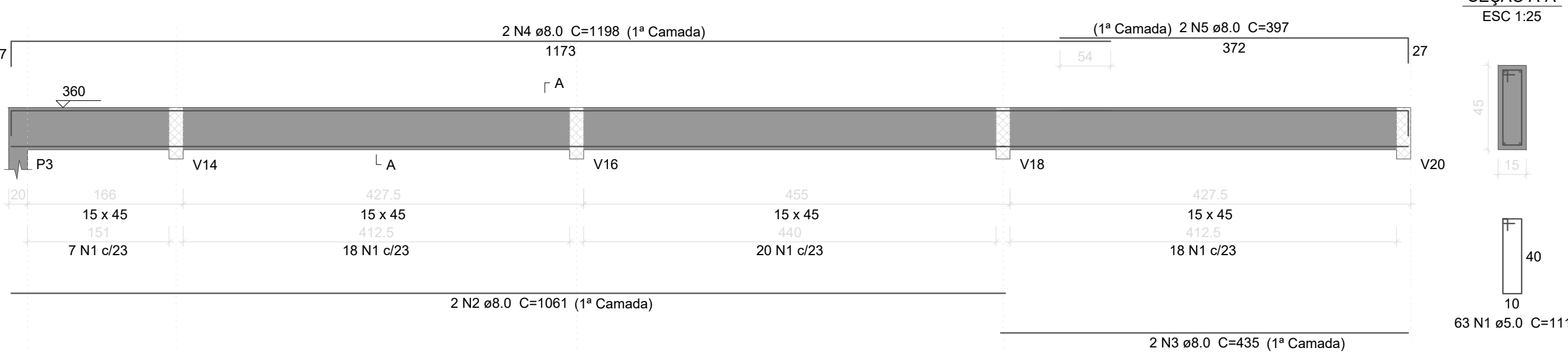
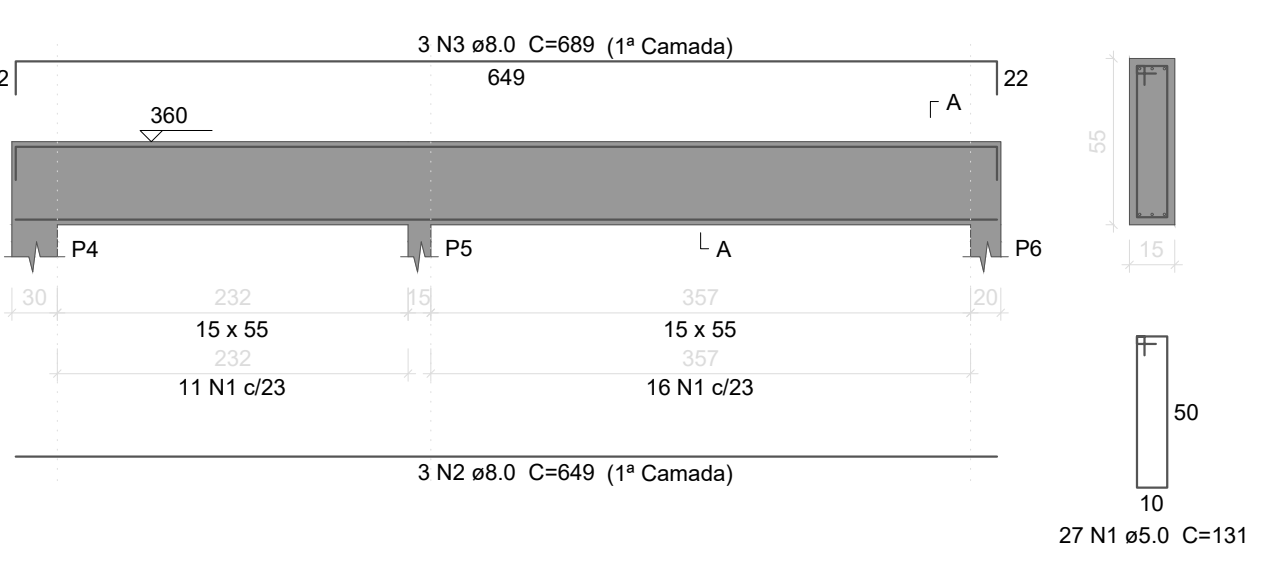


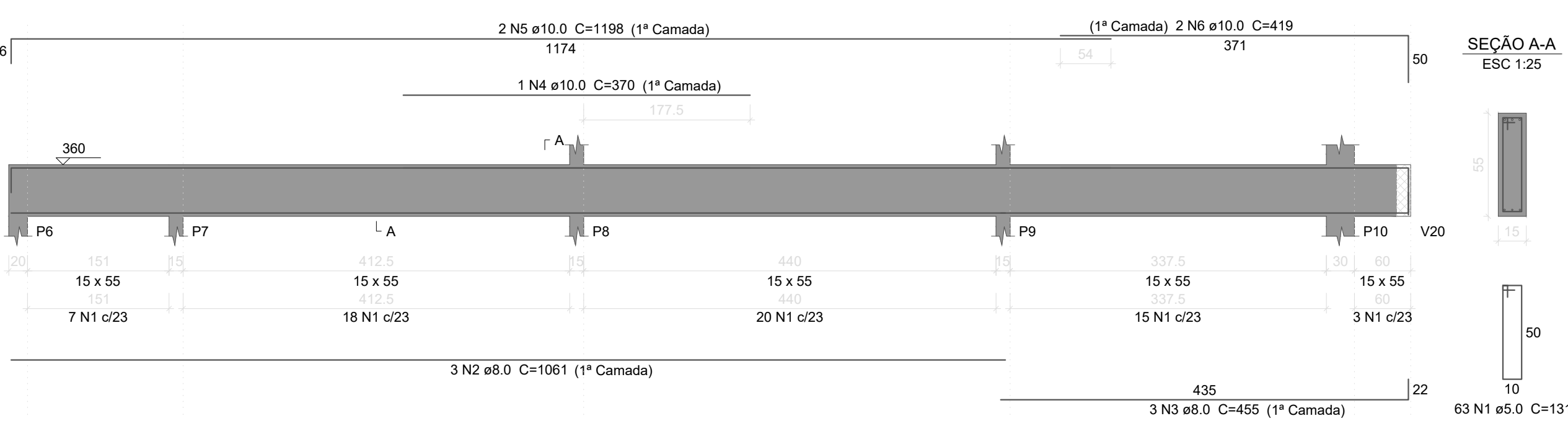
V1 (15 x 45)



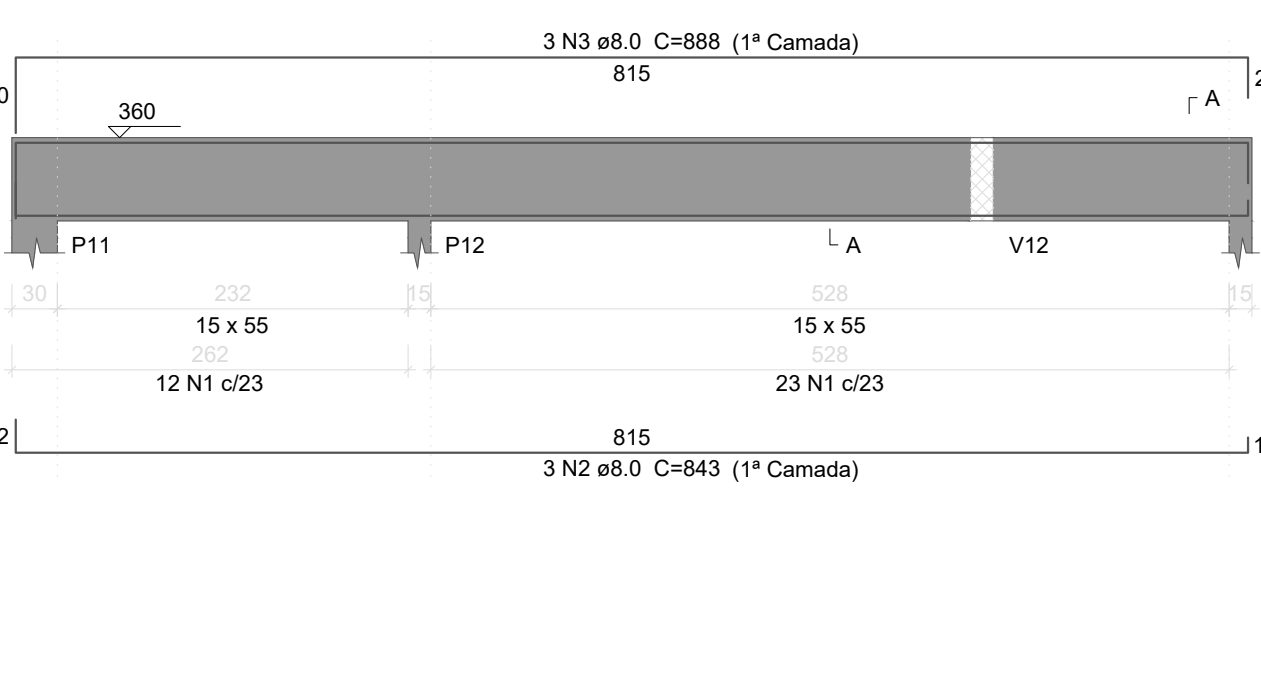
V2 (15 x 55)



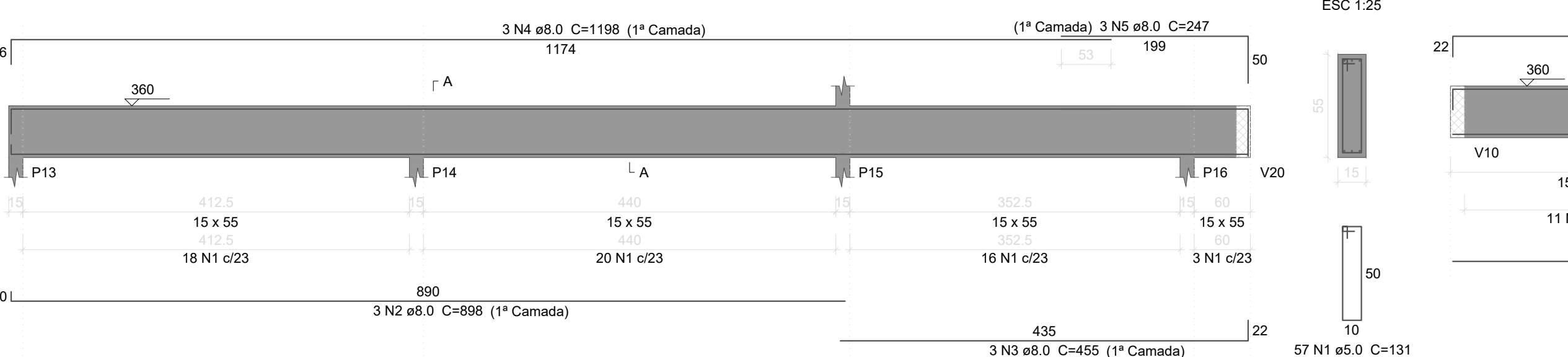
V3 (15 x 55)



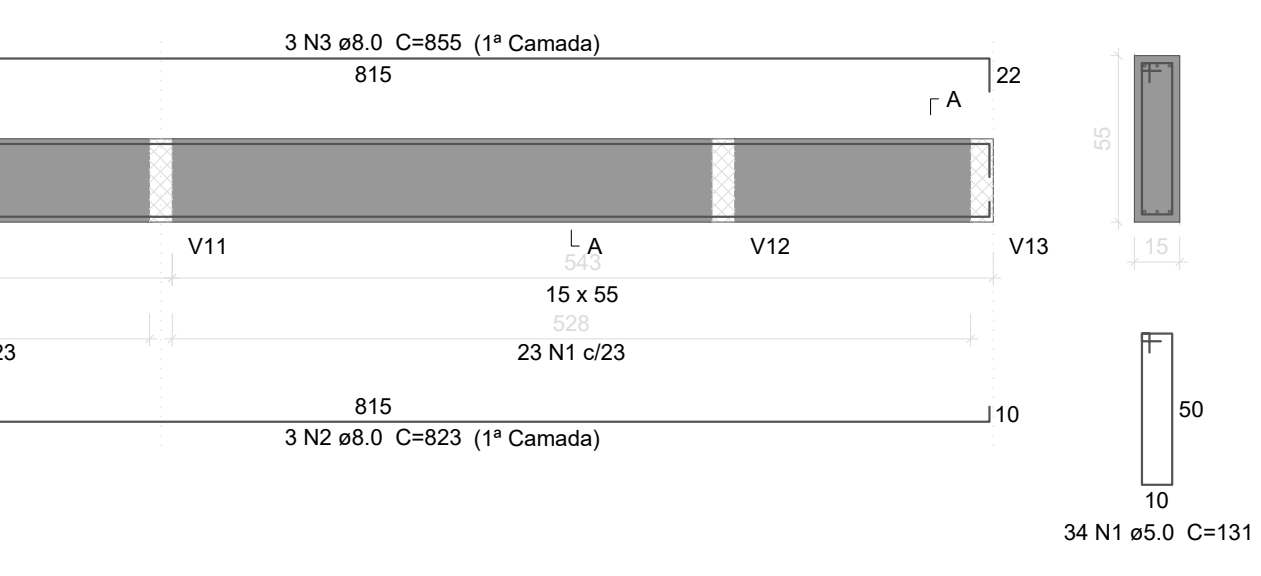
V4 (15 x 55)



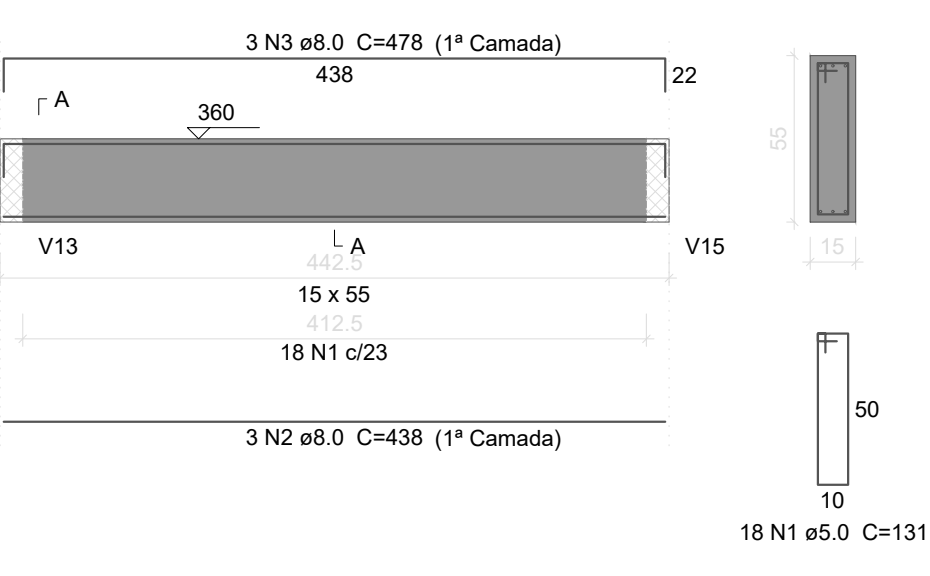
V5 (15 x 55)



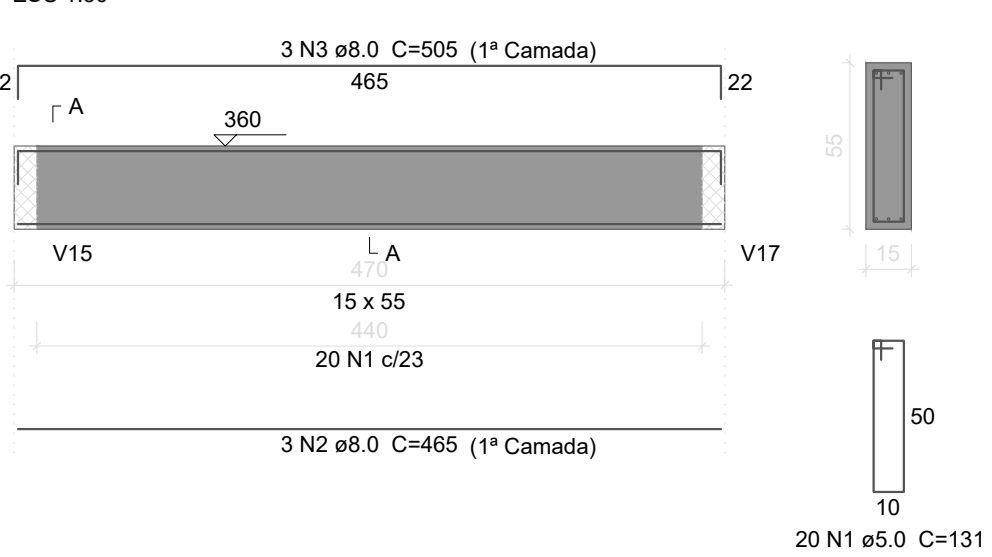
V6 (15 x 55)



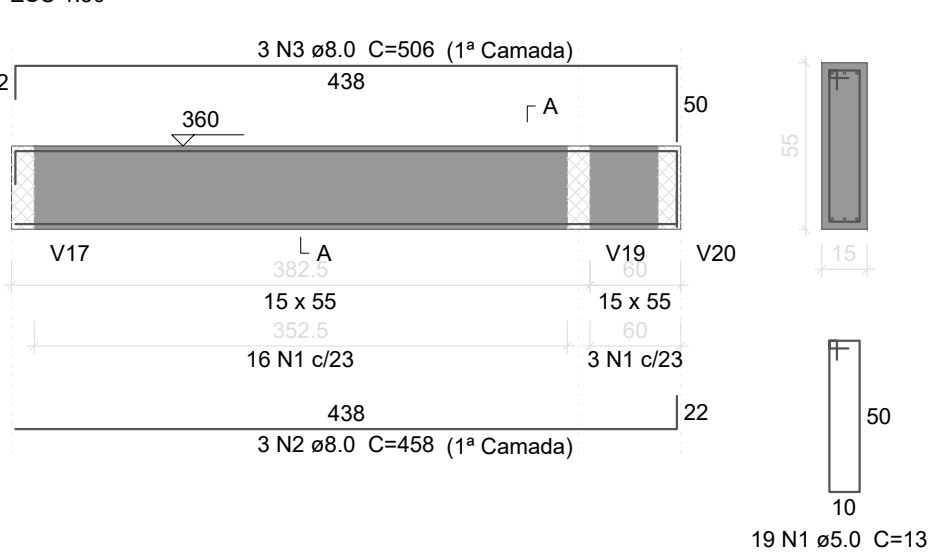
V7 (15 x 55)



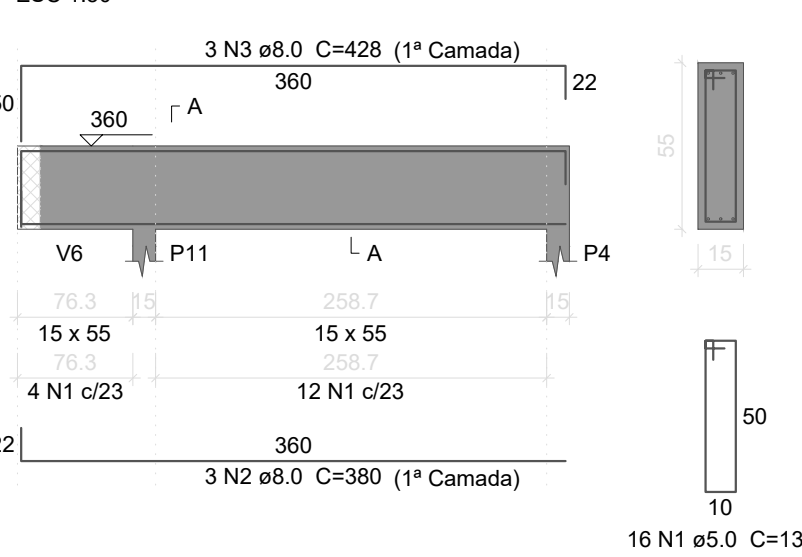
V8 (15 x 55)



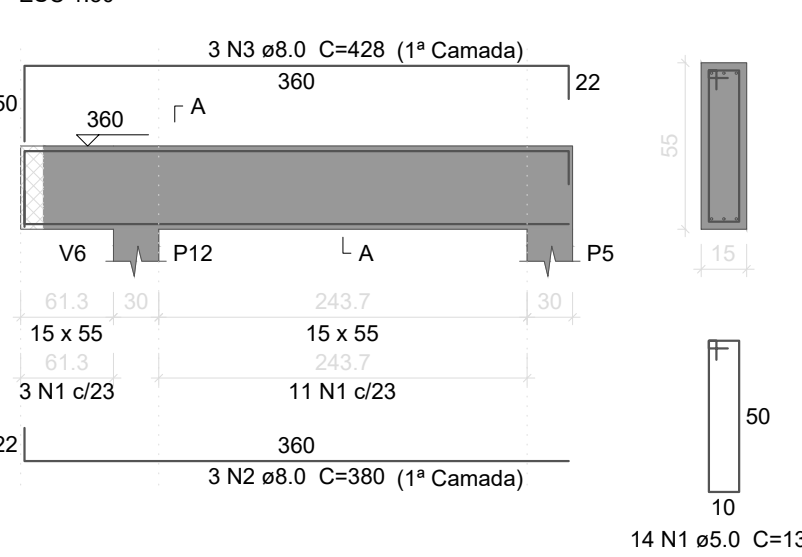
V9 (15 x 55)



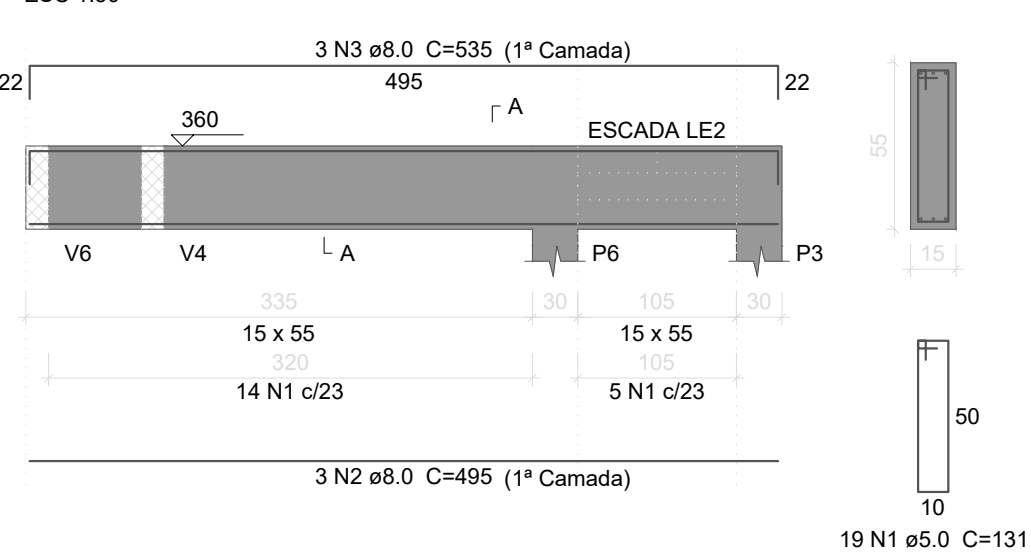
V10 (15 x 55)



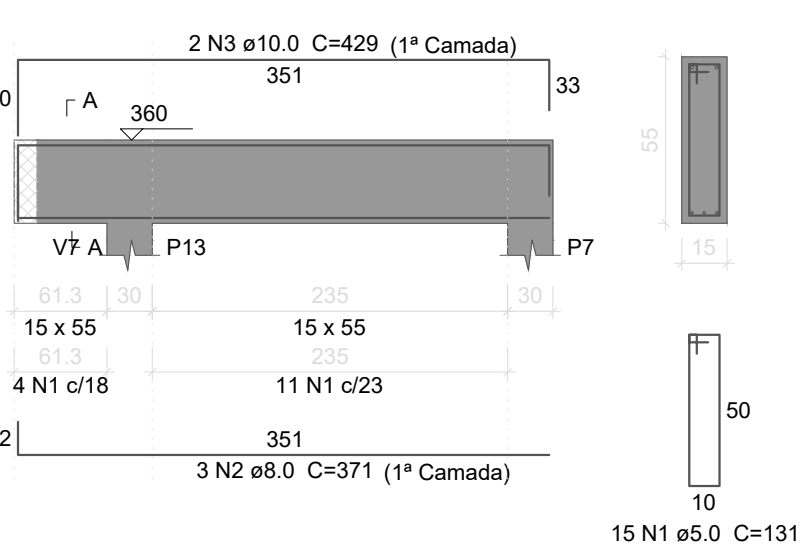
V11 (15 x 55)



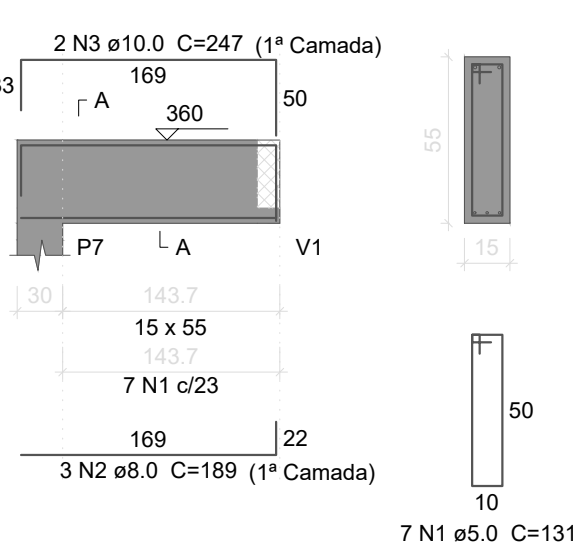
V12 (15 x 55)



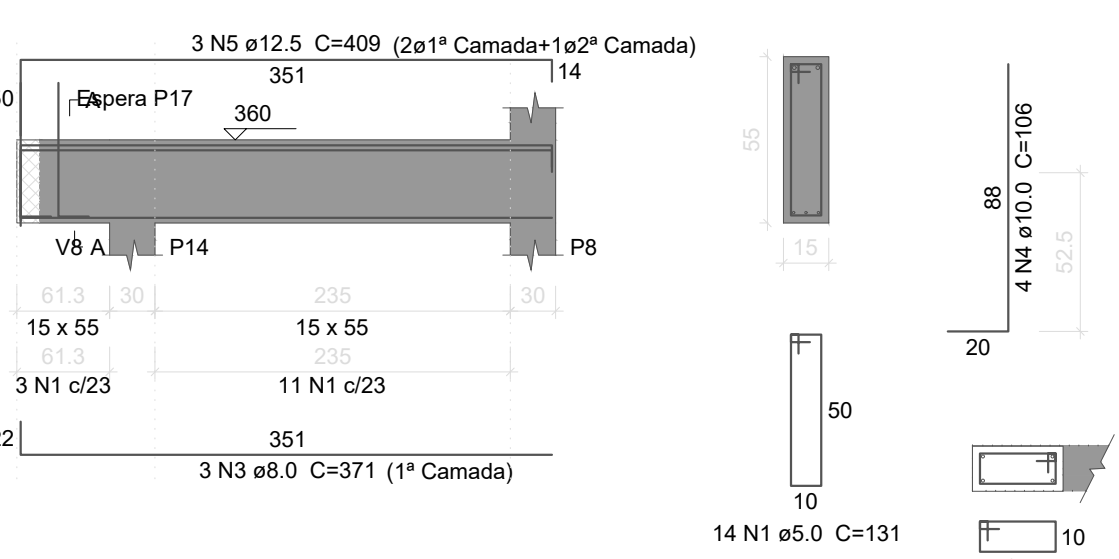
V13 (15 x 55)



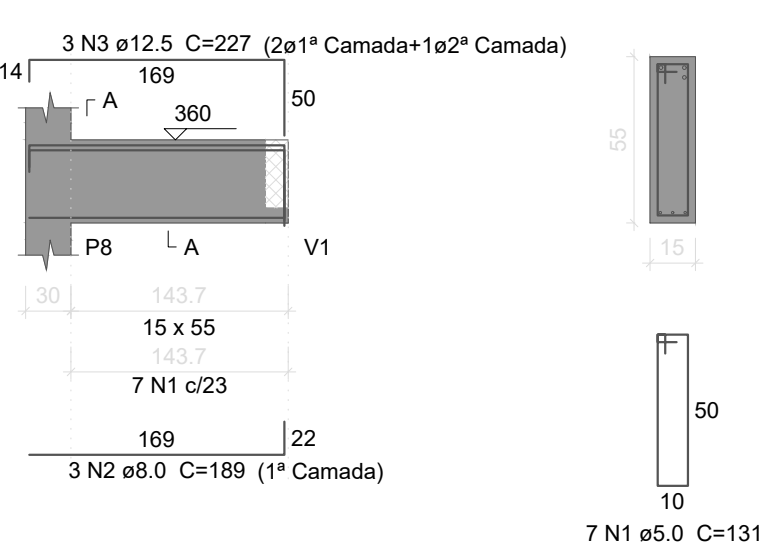
V14 (15 x 55)



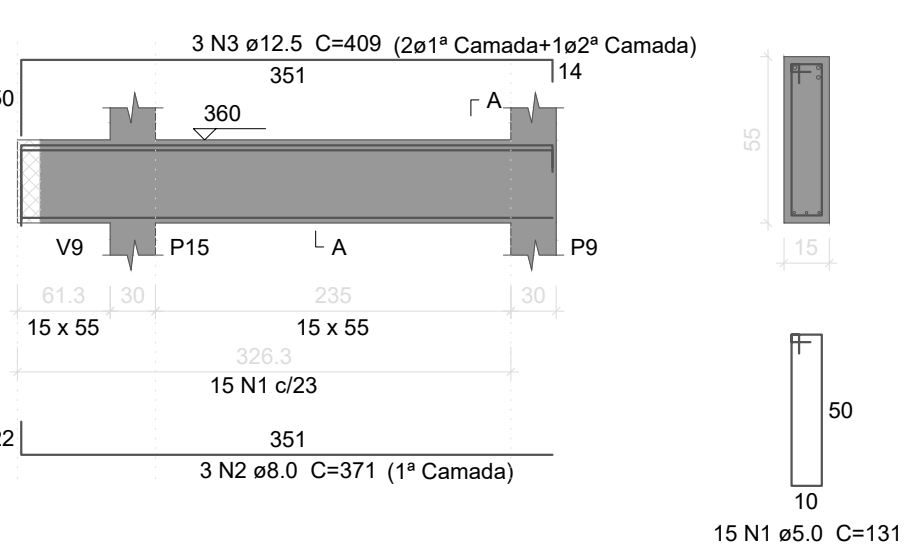
V15 (15 x 55)



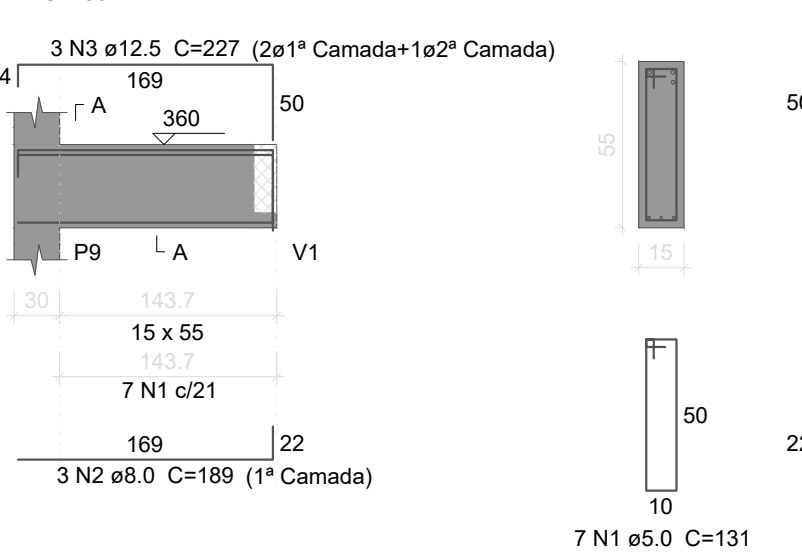
V16 (15 x 55)



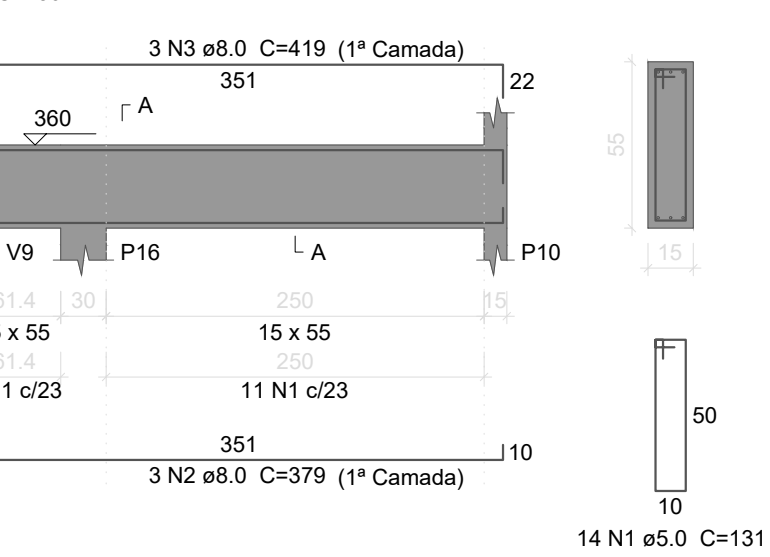
V17 (15 x 55)



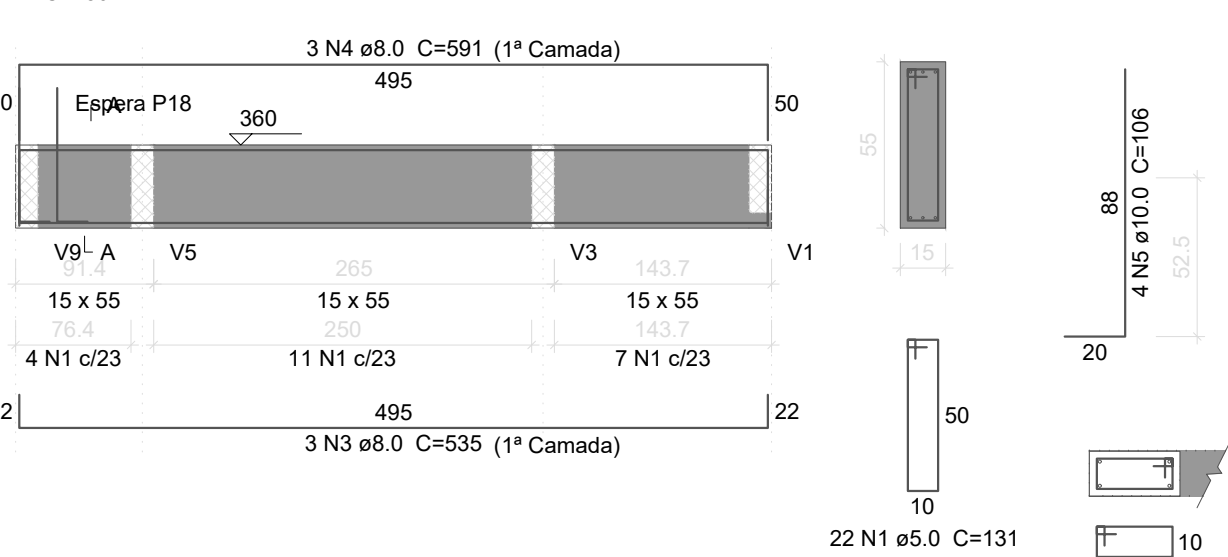
V18 (15 x 55)



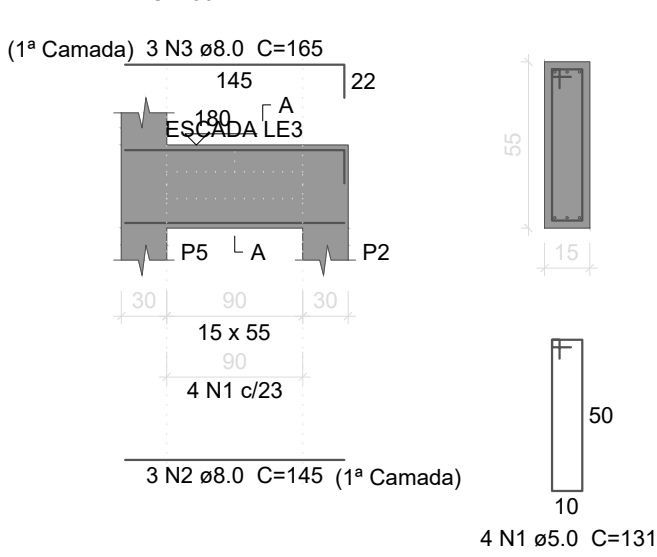
V19 (15 x 55)



V20 (15 x 55)



V21 (15 x 55)



Relação do aço

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V1	CA60	1	5.0	63	111	6993
	CA50	2	8.0	2	1061	2122
	CA50	3	8.0	2	435	870
	CA50	4	8.0	2	1198	2396
	CA50	5	8.0	2	397	794
V2	CA60	1	5.0	27	131	3537
	CA50	2	8.0	3	649	1947
	CA50	3	8.0	3	689	2067
	CA60	1	5.0	63	131	8253
	CA50	2	8.0	3	1061	3183
V3	CA50	3	8.0	3	455	1365
	CA50	4	10.0	1	370	370
	CA50	5	10.0	2	1198	2396
	CA50	6	10.0	2	419	838
	CA60	1	5.0	35	131	4585
V4	CA50	2	8.0	3	843	2529
	CA50	3	8.0	3	888	2664
	CA60	1	5.0	57	131	7467
	CA50	2	8.0	3	898	2694
	CA50	3	8.0	3	455	1365
V5	CA50	4	8.0	3	1198	3594
	CA50	5	8.0	3	247	741
	CA60	1	5.0	34	131	4454
	CA50	2	8.0	3	823	2469
	CA50	3	8.0	3	855	2565
V6	CA60	1	5.0	18	131	2358
	CA50	2	8.0	3	438	1314
	CA50	3	8.0	3	478	1434
	CA60	1	5.0	20	131	2620
	CA50	2	8.0	3	465	1395
V7	CA50	3	8.0	3	505	1515
	CA60	1	5.0	19	131	2489
	CA50	2	8.0	3	458	1374
	CA50	3	8.0	3	506	1518
	CA60	1	5.0	16	131	2096
V8	CA50	2	8.0	3	380	1140
	CA50	3	8.0	3	428	1284
	CA60	1	5.0	14	131	1834
	CA50	2	8.0	3	380	1140
	CA50	3	8.0	3	428	1284
V9	CA60	1	5.0	19	131	2489
	CA50	2	8.0	3	495	1485
	CA50	3	8.0	3	535	1605
	CA60	1	5.0	15	131	1965
	CA50	2	8.0	3	371	1113
V10	CA50	3	10.0	2	429	858
	CA60	1	5.0	7	131	917
	CA50	2	8.0	3	189	567
	CA50	3	10.0	2	247	494
	CA60	1	5.0	14	131	1834
V11	CA60	2	5.0	5	81	405
	CA50	3	8.0	3	371	1113
	CA50	4	10.0	4	106	424
	CA50	5	12.5	3	409	1227
	CA60	1	5.0	7	131	917
V12	CA50	2	8.0	3	189	567
	CA50	3	12.5	3	227	681
	CA60	1	5.0	15	131	1965
	CA50	2	8.0	3	371	1113
	CA50	3	12.5	3	409	1227
V13	CA60	1	5.0	7	131	917
	CA50	2	8.0	3	189	567
	CA50	3	12.5	3	227	681
	CA60	1	5.0	14	131	1834
	CA50	2	8.0	3	379	1137
V14	CA50	3	8.0	3	419	1257
	CA60	1	5.0	22	131	2882
	CA60	2	5.0	5	81	405
	CA50	3	8.0	3	535	1605
	CA50	4	8.0	3	591	1773
V15	CA50	5	10.0	4	106	424
	CA60	1	5.0	4	131	524
	CA50	2	8.0	3	145	435
	CA50	3	8.0	3	165	495

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	UNIT	PESO + 10 % (kg)
CA50	8.0	616	57	12 m	267.3
	10.0	58.1	6	12 m	39.4
	12.5	38.2	4	12 m	40.4
CA60	5.0	637.4	59	12 m	108.1
PESO TOTAL (kg)					
CA50	347.1				
CA60	108.1				

Volume de concreto (C-30) = 8.73 m³  
Área de forma = 107.13 m²

CONTEÚDO DA PRANCHA: DETALHAMENTO VIGAS PAVIMENTO O1

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

REVISÃO  
REV. 03

ESCALA  
INDICADA

DATA  
ABRIL / 2024

PRANCHA

06/10