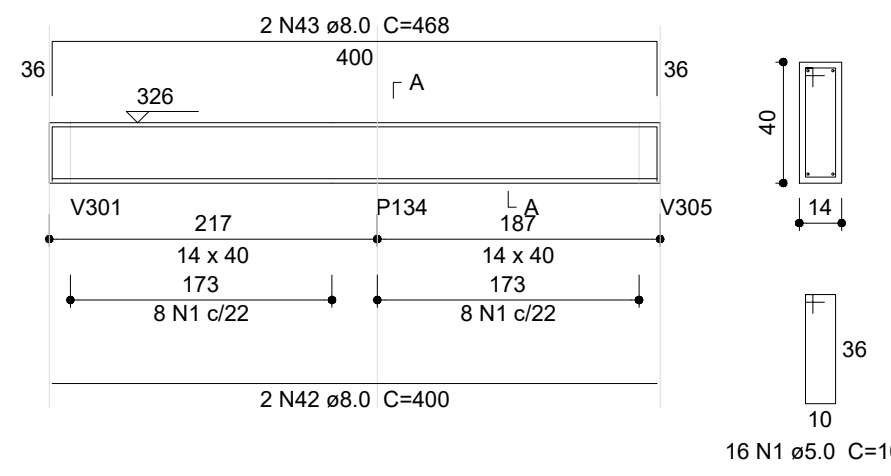
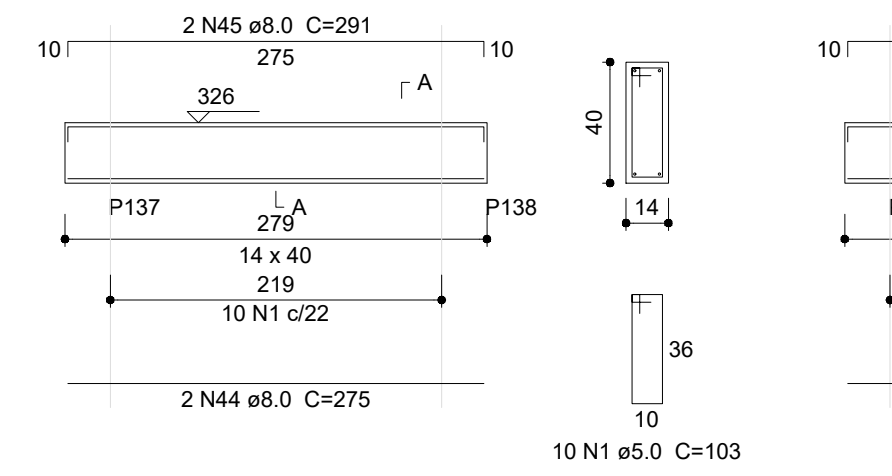


2 DETALHAMENTO VIGAS TÉRREO

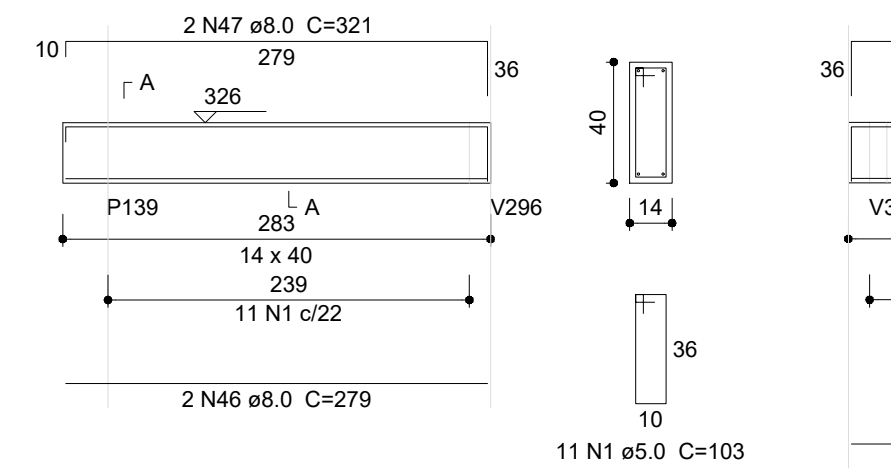
V252 (14 x 40)



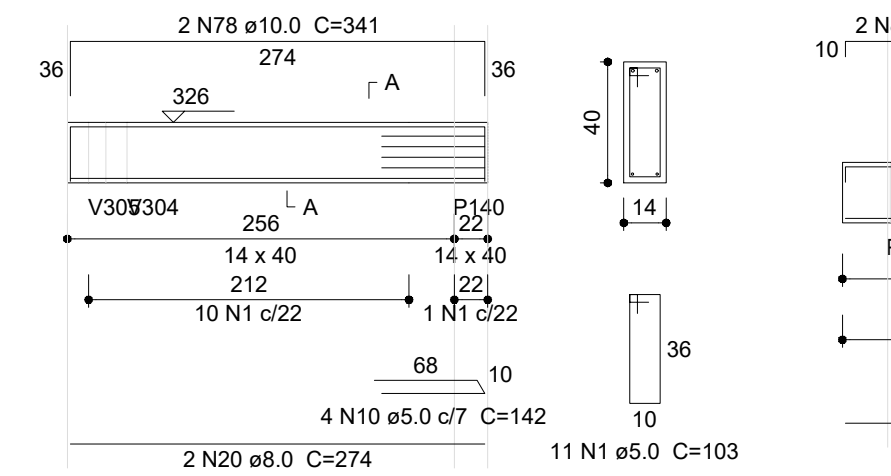
V254 (14 x 40)



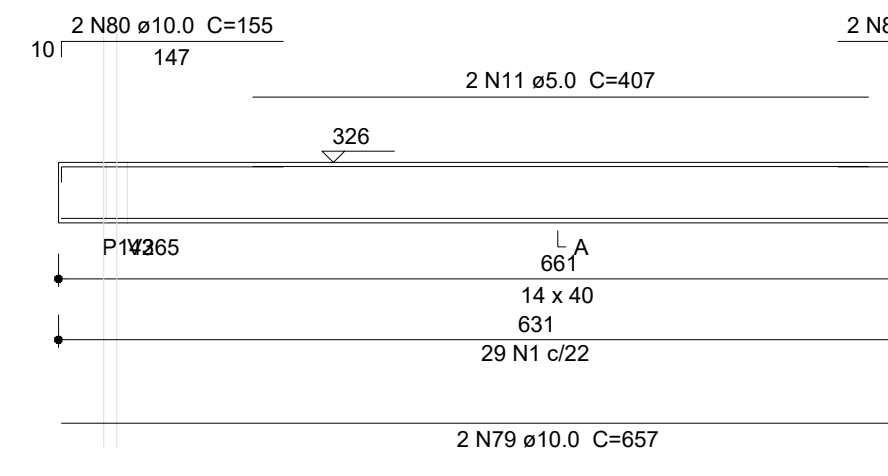
V255 (14 x 40)



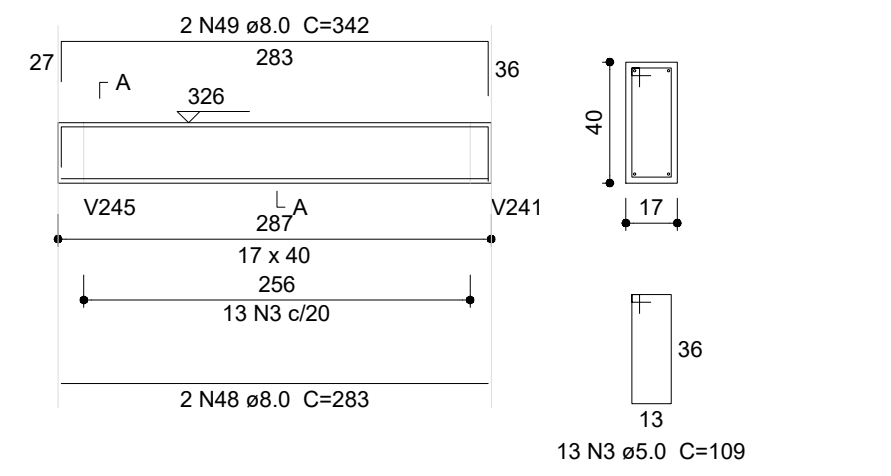
V256 (14 x 40)



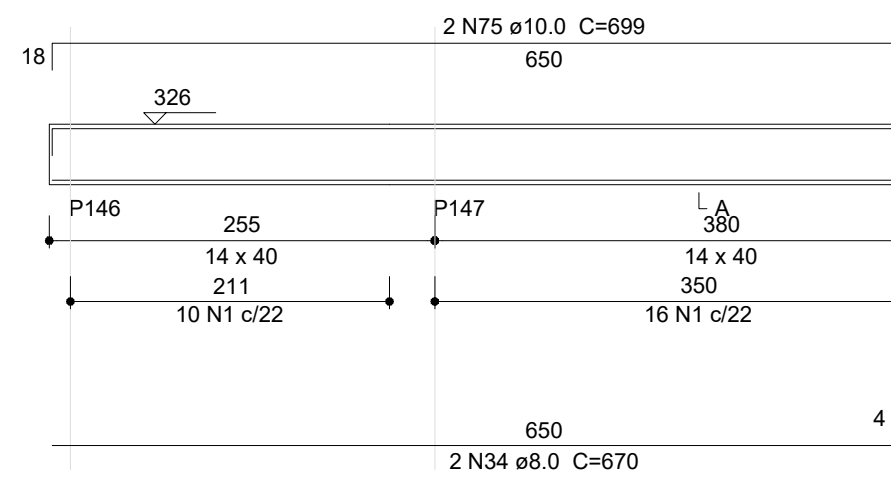
V257 (14 x 40)



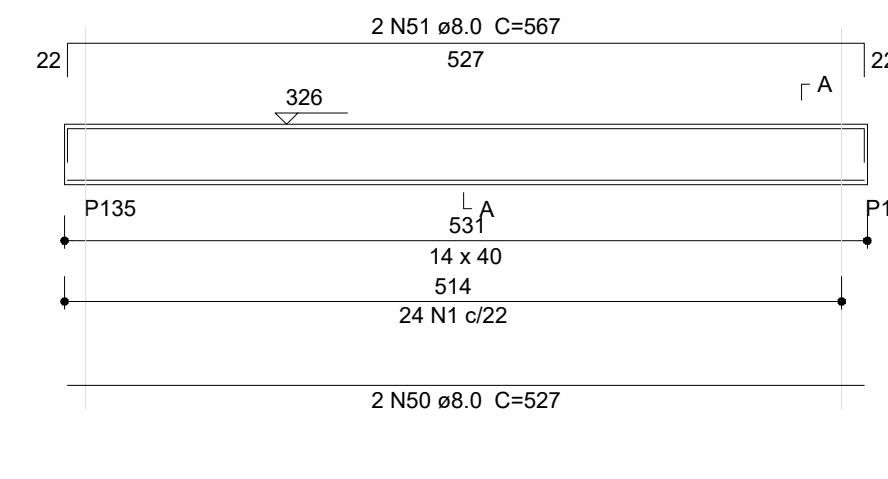
V260 (17 x 40)



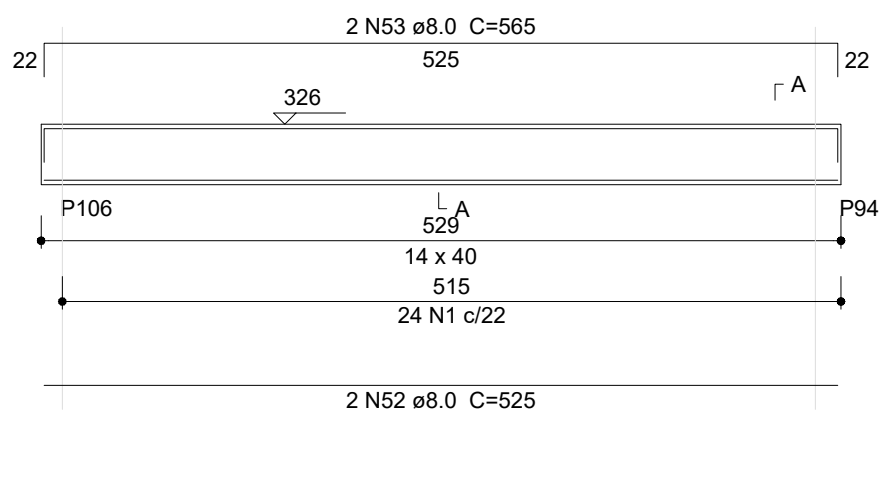
V258 (14 x 40)



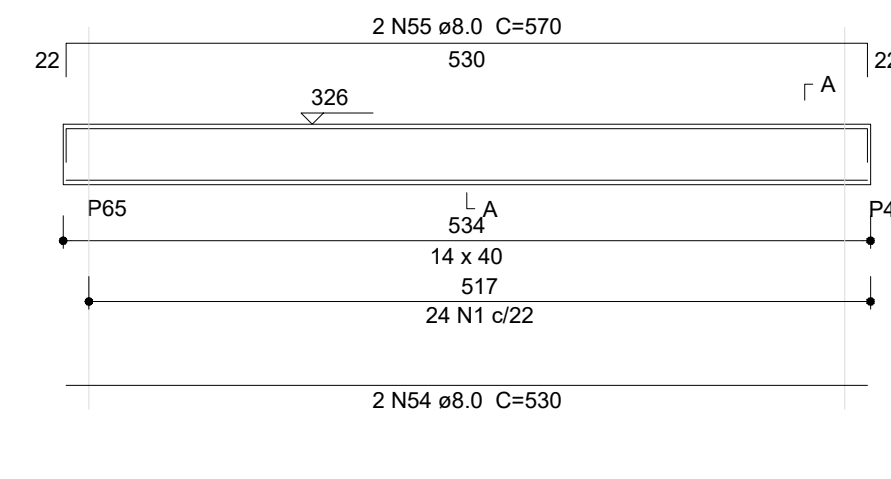
V259 (14 x 40)



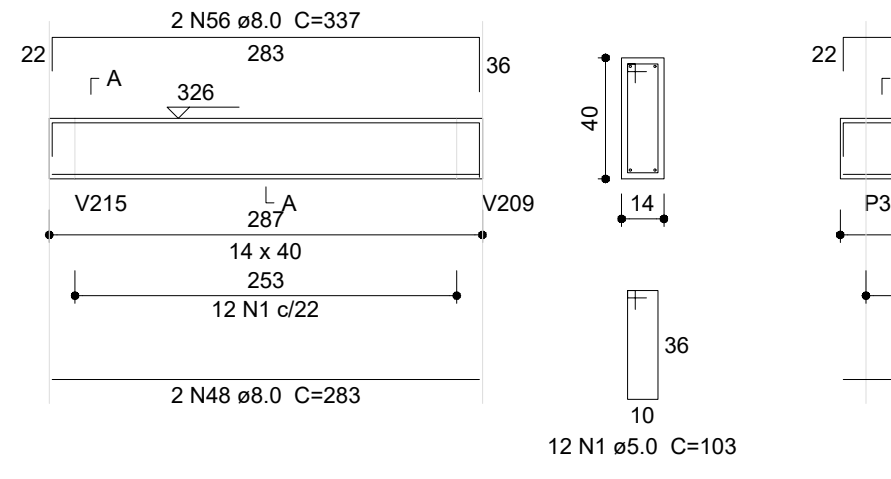
V261 (14 x 40)



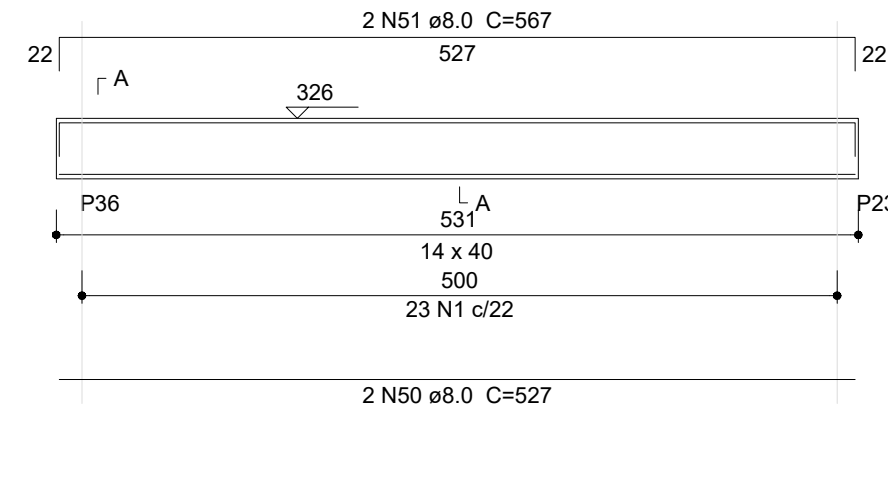
V262 (14 x 40)



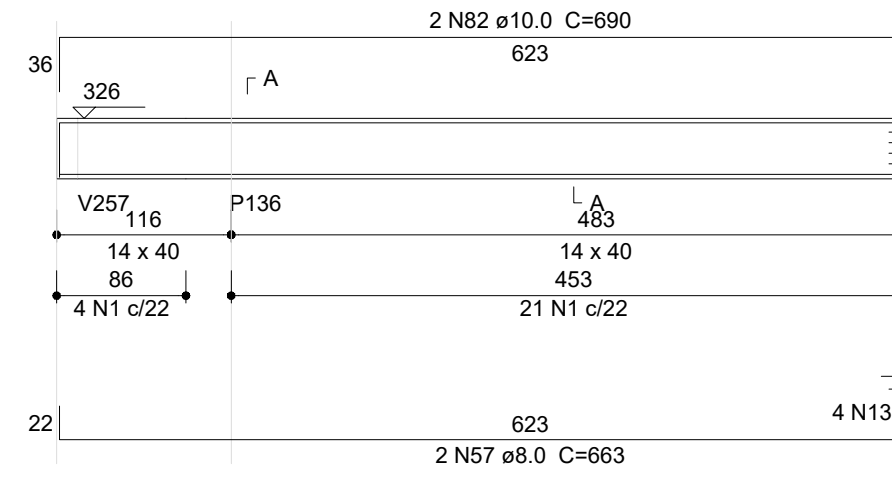
V263 (14 x 40)



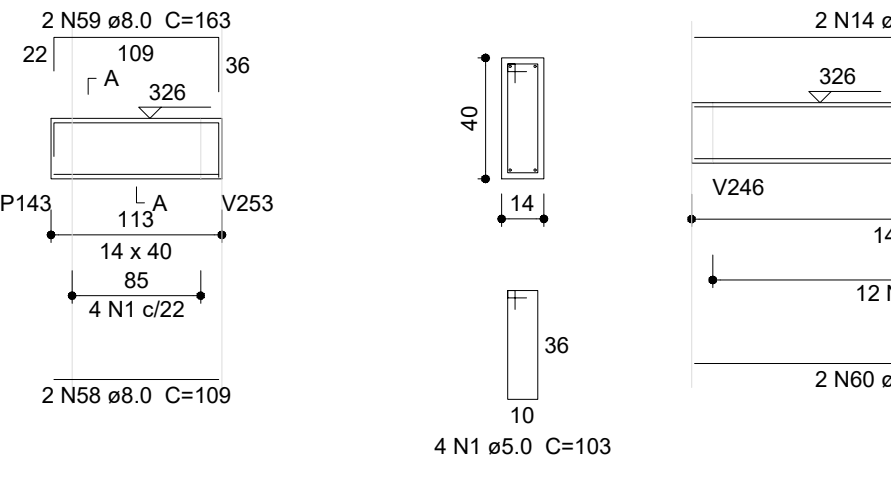
V264 (14 x 40)



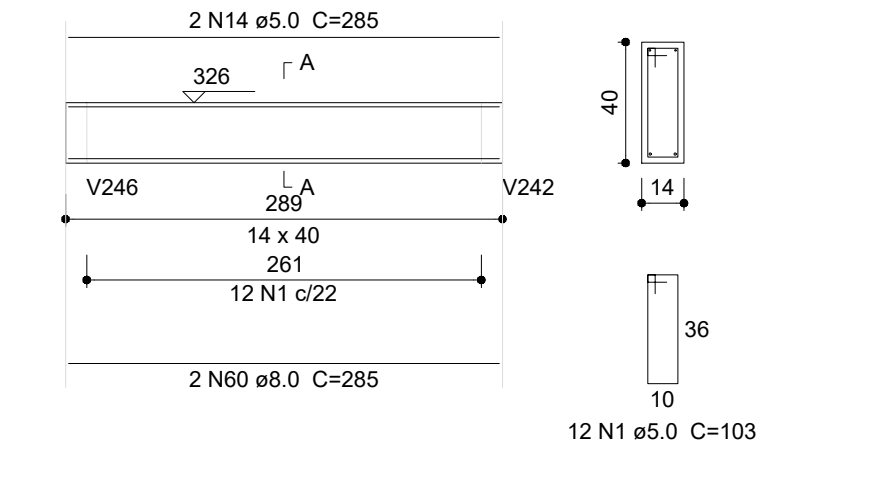
V265 (14 x 40)



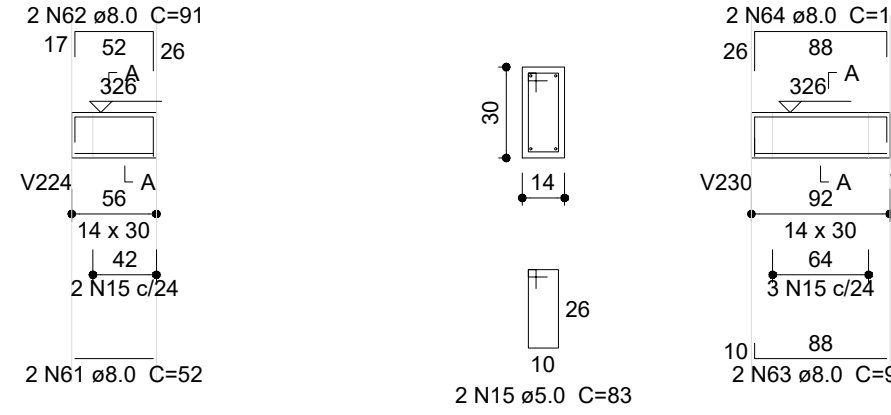
V266 (14 x 40)



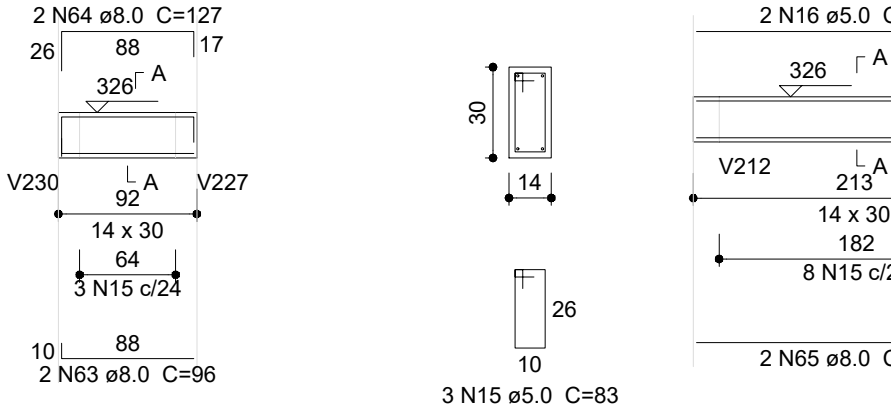
V267 (14 x 40)



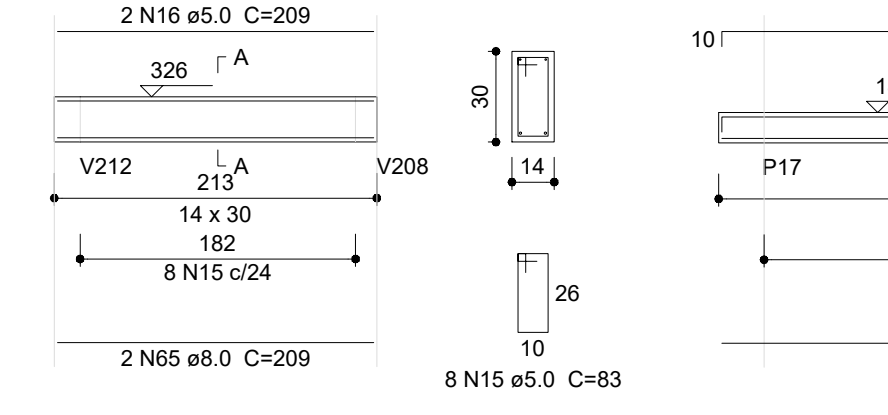
V269 (14 x 30)



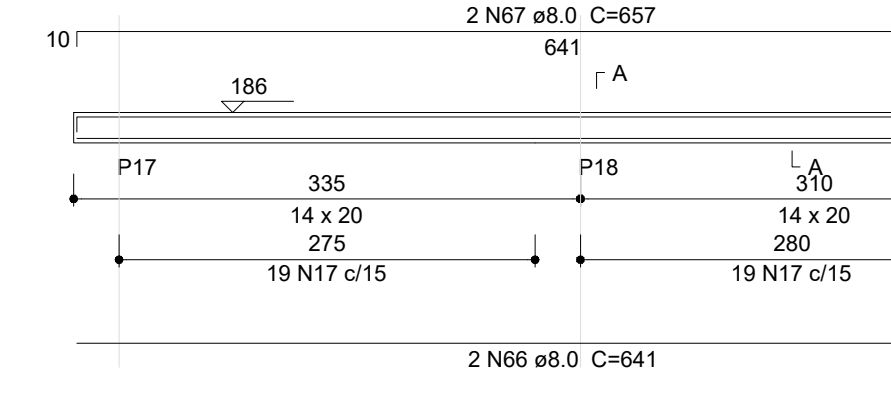
V279 (14 x 30)



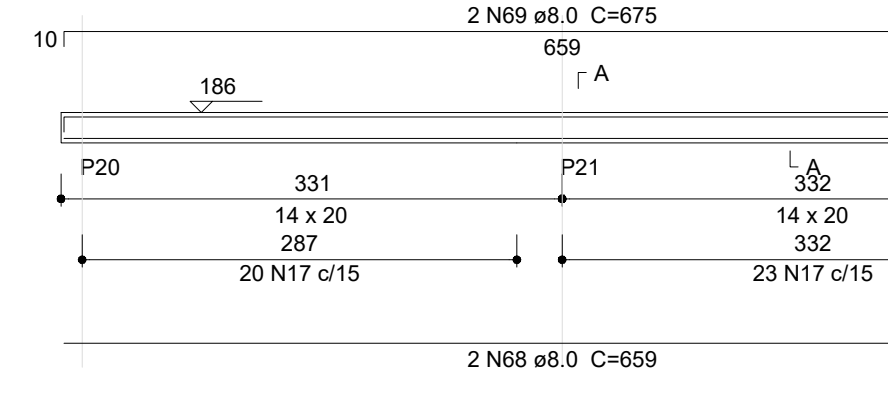
V292 (14 x 30)



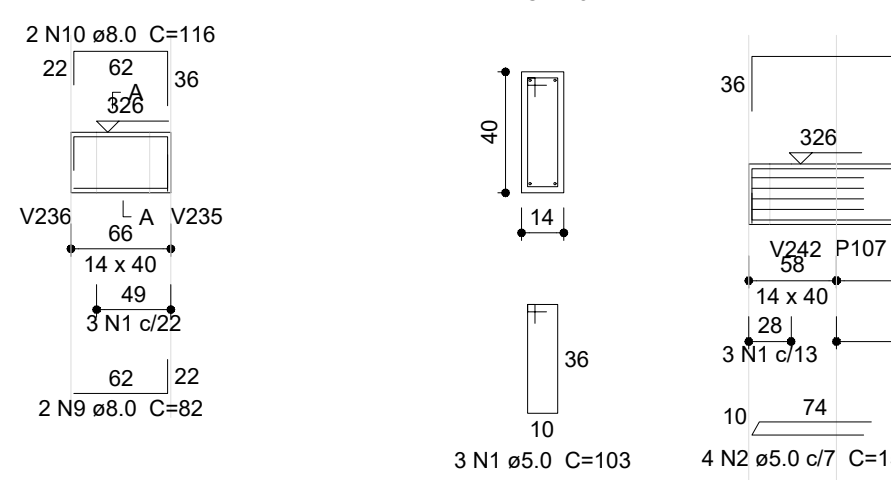
V319 (14 x 20)



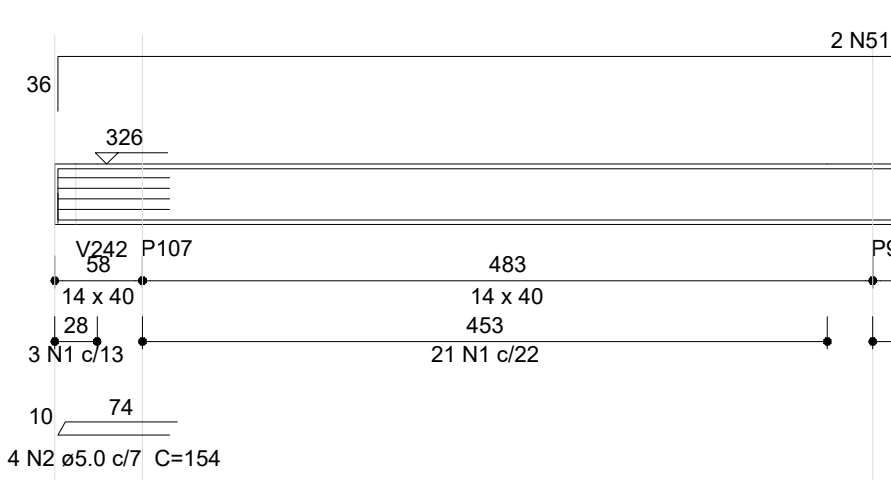
V320 (14 x 20)



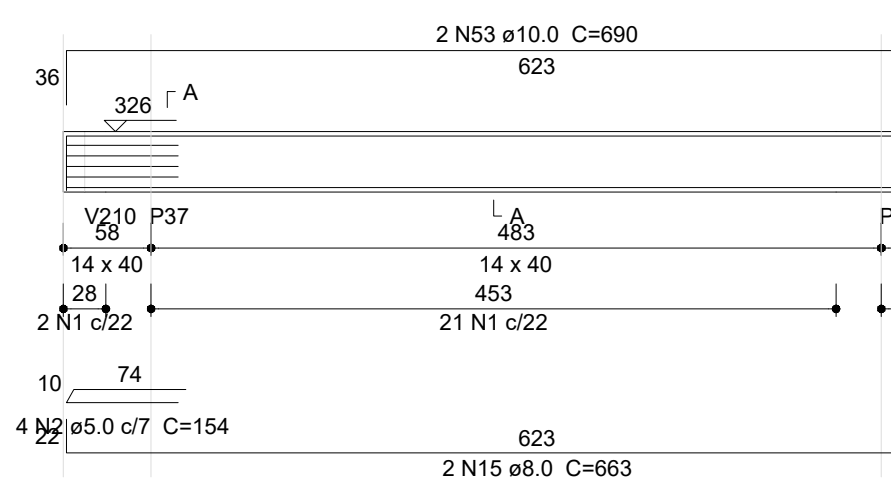
V268 (14 x 40)



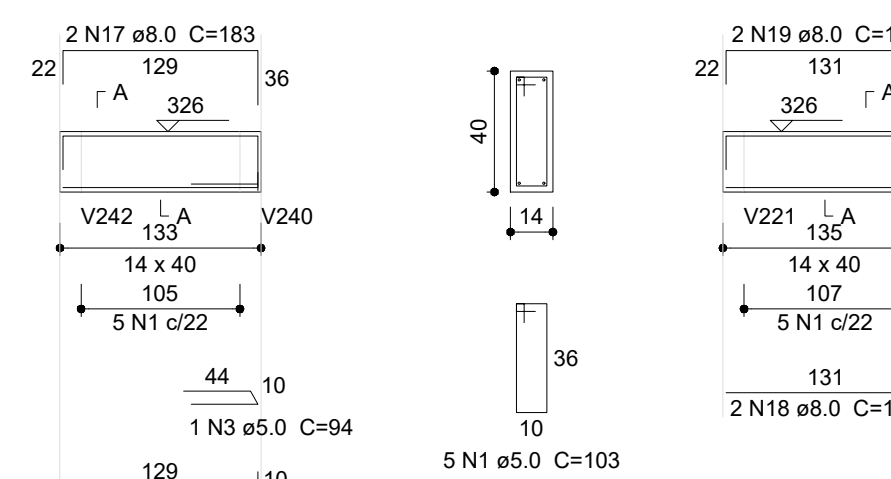
V270 (14 x 40)



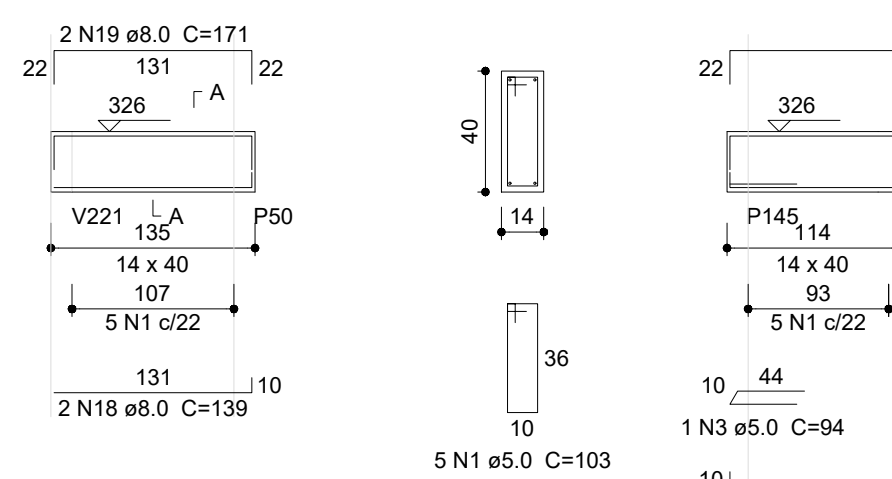
V272 (14 x 40)



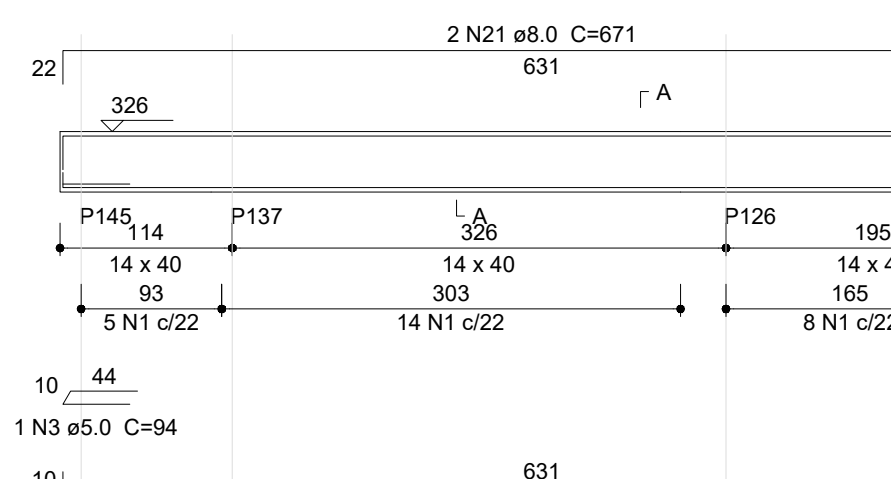
V274 (14 x 40)



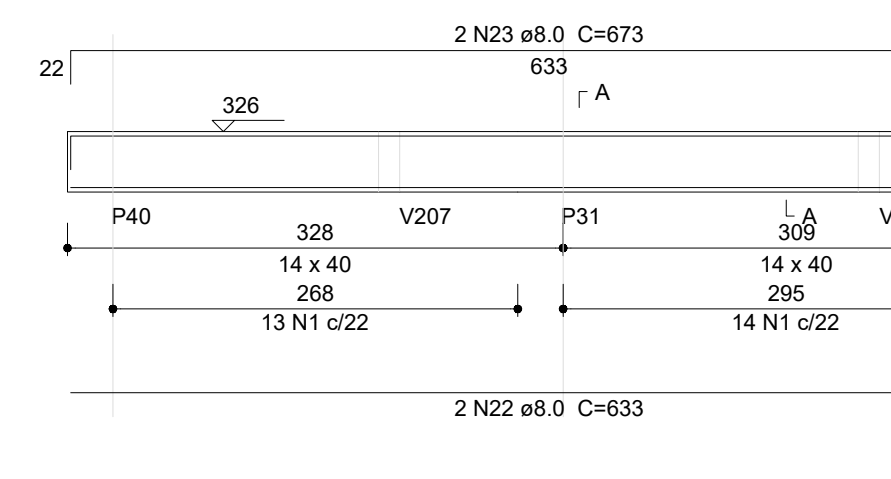
V275 (14 x 40)



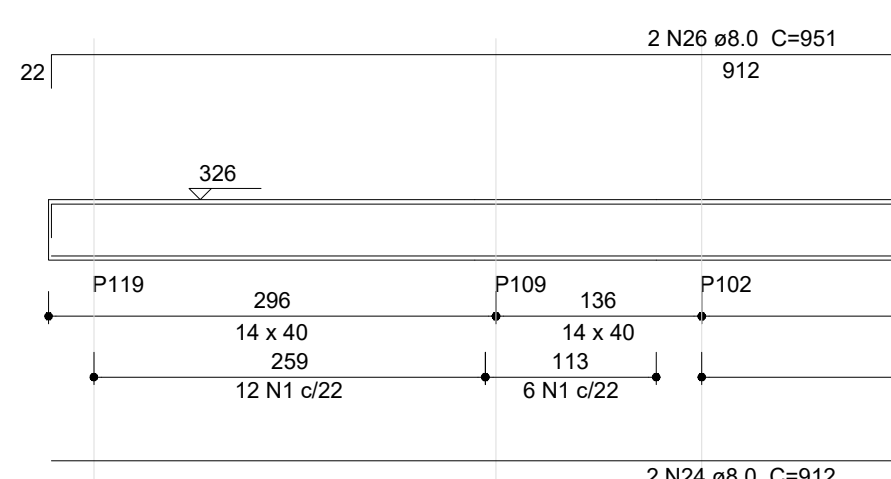
V276 (14 x 40)



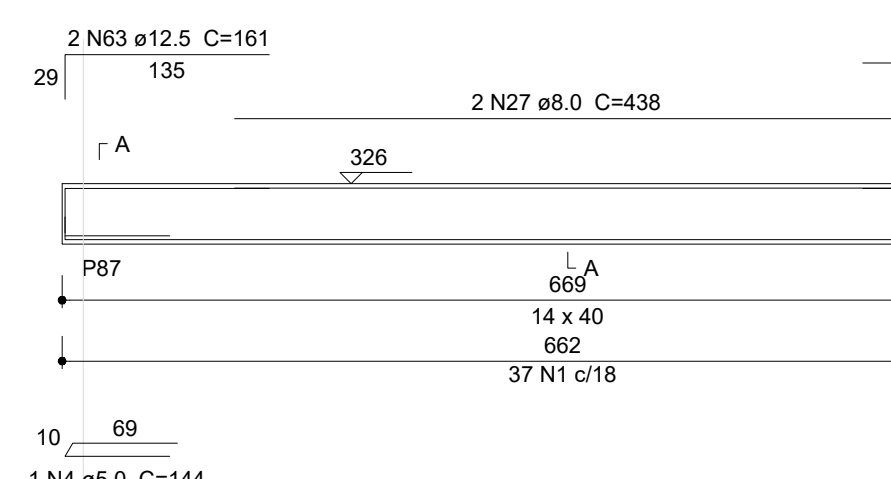
V280 (14 x 40)



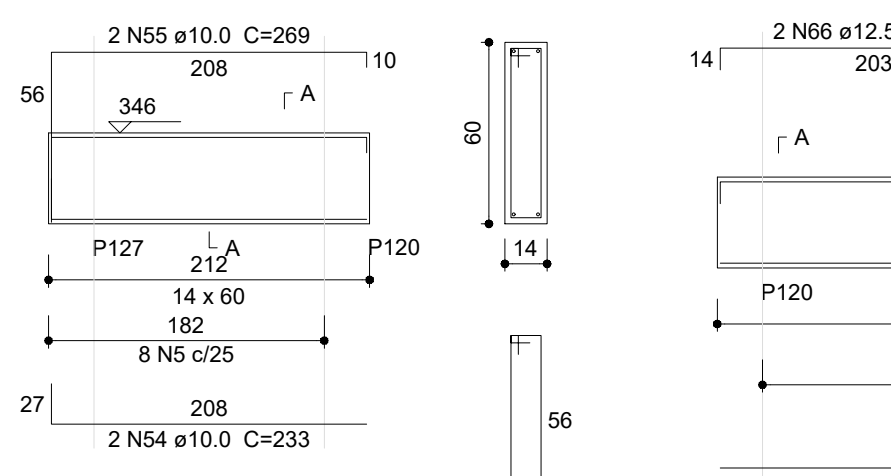
V277 (14 x 40)



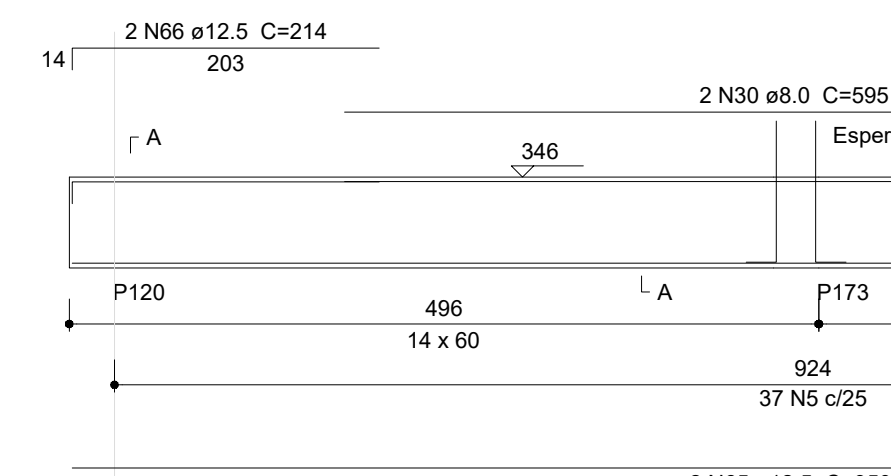
V278 (14 x 40)



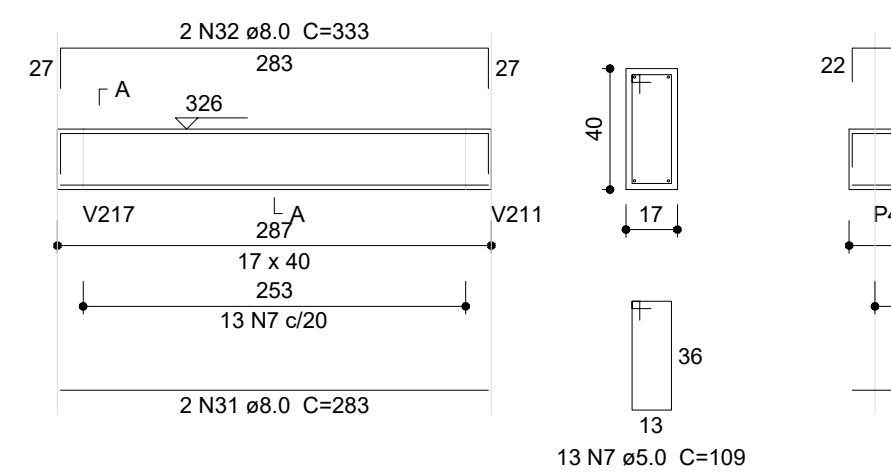
V282 (14 x 60)



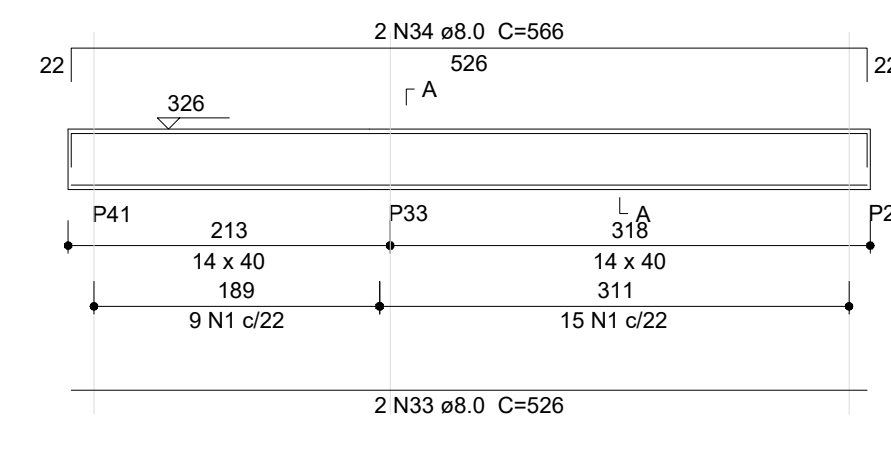
V283 (14 x 60)



V285 (17 x 40)



V286 (14 x 40)



V281 (14 x 40)



Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	463	103	47589
	2	5.0	12	154	1848
	3	5.0	2	188	376
	4	5.0	1	144	144
	5	5.0	103	143	14729
	6	5.0	10	83	830
	7	5.0	13	109	1417
	8	5.0	2	45	90
	9	8.0	2	82	164
	10	8.0	2	116	232
CA50	11	8.0	2	285	570
	12	8.0	2	339	678
	13	8.0	2	109	218
	14	8.0	2	163	326
	15	8.0	2	863	1326
	16	8.0	2	137	274
	17	8.0	2	183	366
	18	8.0	2	139	278
	19	8.0	2	171	342
	20	8.0	2	639	1278
CA80	21	8.0	2	671	1342
	22	8.0	2	633	1266
	23	8.0	2	673	1346
	24	8.0	2	912	1824
	25	8.0	1	174	348
	26	8.0	2	901	1802
	27	8.0	2	438	876
	28	8.0	2	344	688
	29	8.0	2	372	744
	30	8.0	2	293	586
CA10	31	8.0	4	283	1132
	32	8.0	2	333	666
	33	8.0	2	526	1052
	34	8.0	2	566	1132
	35	8.0	2	432	864
	36	8.0	2	337	674
	37	8.0	2	365	730
	38	8.0	2	323	646
	39	8.0	2	528	1056
	40	8.0	2	568	1136
CA15	41	8.0	2	34	68
	42	8.0	2	74	148
	43	8.0	2	45	90
	44	8.0	2	847	1694
	45	8.0	2	506	1012
	46	8.0	2	1198	2396
	47	8.0	2	218	436
	48	10.0	2	1065	2130
	49	10.0	2	156	312
	50	10.0	2	732	1464
CA20	51	10.0	2	1198	2396
	52	10.0	2	828	1656
	53	10.0	2	690	1380
	54	10.0	2	233	466
	55	10.0	2	269	538
	56	10.0	8	111	888
	57	10.0	2	762	1524
	58	10.0	2	546	1092
	59	10.0	2	242	484
	60	10.0	2	278	556
CA25	61	12.5	2	1184	2368
	62	12.5	2	420	840
	63	12.5	2	161	322
	64	12.5	2	1049	2098
	65	12.5	2	950	1900
	66	12.5	2	214	428
	67	12.5	2	237	474
	68	12.5	2	247	494
	69	12.5	2	674	1348
	70	12.5	2	674	1348

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CA60	5.0	323.4	27	127.6
	10.0	149.5	13	92.1
	12.5	102.8	9	99
	5.0	666.4	56	103.2
PESO TOTAL (kg)				
CA60	318.7			
CA80	103.2			

Volume de concreto (C-30) = 7.56 m³
Área de forma = 124.74 m²

Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	433	103	44599
	2	5.0	4	137	548
	3	5.0	62	109	6758
	4	5.0	4	145	580
	5	5.0	4	140	560
	6	5.0	8	148	1184
	7	5.0	8	153	1224
	8	5.0	4	143	572
	9	5.0	4	134	536
	10	5.0	4	142	568
CA50	11	5.0	2	407	814
	12	5.0	4	138	552
	13	5.0	4	154	616
	14	5.0	2	285	570
	15	5.0	13	83	1079
	16	5.0	2	208	416
	17	5.0	81	83	5103
	18	5.0	2	94	188
	19	8.0	2	128	256
	20	8.0	6	274	1644
CA80	21	8.0	2	273	546
	22	8.0	2	704	1408
	23	8.0	2	752	1504
	24	8.0	2	69	138
	25	8.0	2	109	218
	26	8.0	2	90	180
	27	8.0	2	124	248
	28	8.0	2	92	184
	29	8.0	2	669	1338
	30	8.0	2	205	410
CA10	31	8.0	2	259	518
	32	8.0	4	101	404
	33	8.0	2	97	194
	34	8.0	4	670	2680
	35	8.0	2	284	568
	36	8.0	2	326	652
	37	8.0	2	922	1844
	38	8.0	2	287	574
	39	8.0	2	319	638
	40	8.0	2	234	468
CA15	41	8.0	2	288	576
	42	8.0	2	400	800
	43	8.0	2	468	936
	44	8.0	2	275	550
	45	8.0	2	291	582
	46	8.0	2	279	558
	47	8.0	2	321	642
	48	8.0	4	233	932
	49	8.0	2	342	684
	50	8.0	4	527	2108
CA20	51	8.0	4	567	2268
	52	8.0	2	525	1050
	53	8.0	2	565	1130
	54	8.0	2	530	1060
	55	8.0	2	530	1140
	56	8.0	2	537	674
	57	8.0	2	663	1326
	58	8.0	2	109	218
	59	8.0	2	163	326
	60	8.0	2	288	570
CA25	61	8.0	2	52	104
	62	8.0	2	91	182
	63	8.0	2	96	192
	64	8.0	2	127	254
	65	8.0	2	209	418
	66	8.0	2	641	1282
	67	8.0	2	657	1314
	68	8.0	2	659	1318
	69	8.0	2	675	1350
	70	10.0	2	327	654
CA30	71	10.0	2	314	628
	72	10.0	4	139	556
	73	10.0	2	698	1396
	74	10.0	4	143	572
	75	10.0	4	999	2796
	76	10.0	2	843	1686
	77	10.0	2	323	646
	78	10.0	2	341	682
	79	10.0	2	657	1314
	80	10.0	2	155	310
CA80	81	10.0	2	151	302
	82	10.0	2	680	1380

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CA50	8.0	415.5	35	163.9
	10.0	131.3	11	80.9
CA60	5.0	662.9	56	102.2
PESO TOTAL (kg)				
CA50	244.8			
CA60	102.2			
Volume de concreto (C-30) = 6.28 m³				
Área de forma = 104.79 m²				