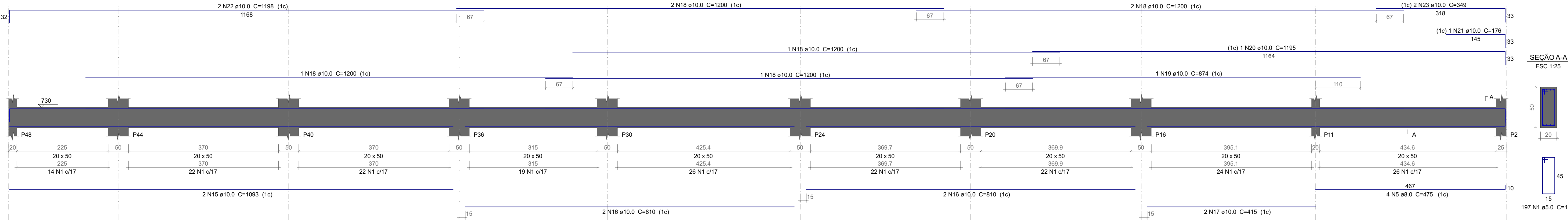
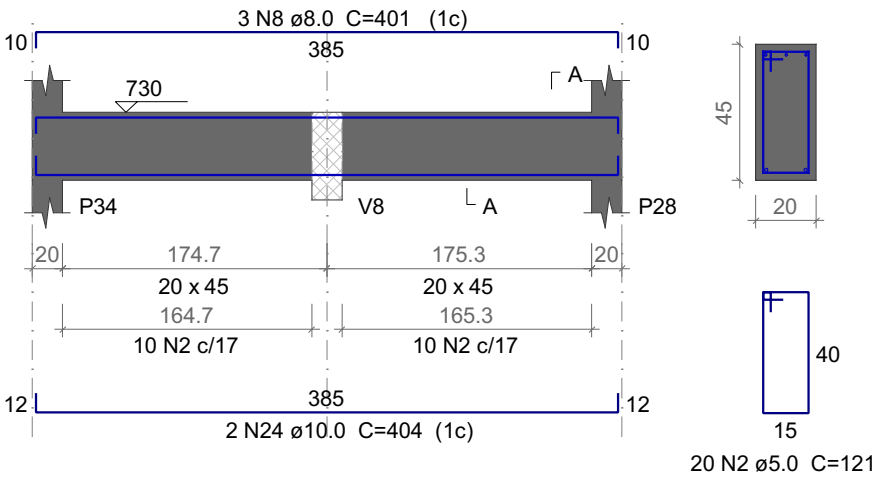


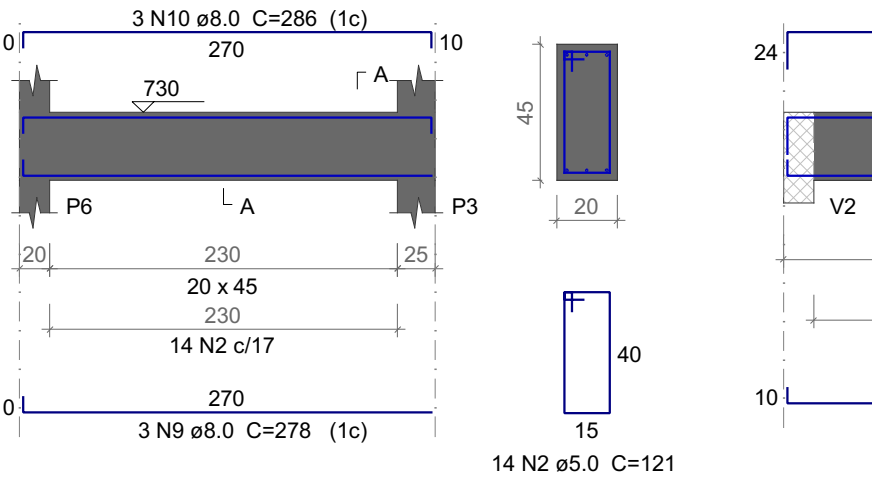
V17  
ESC 1:50



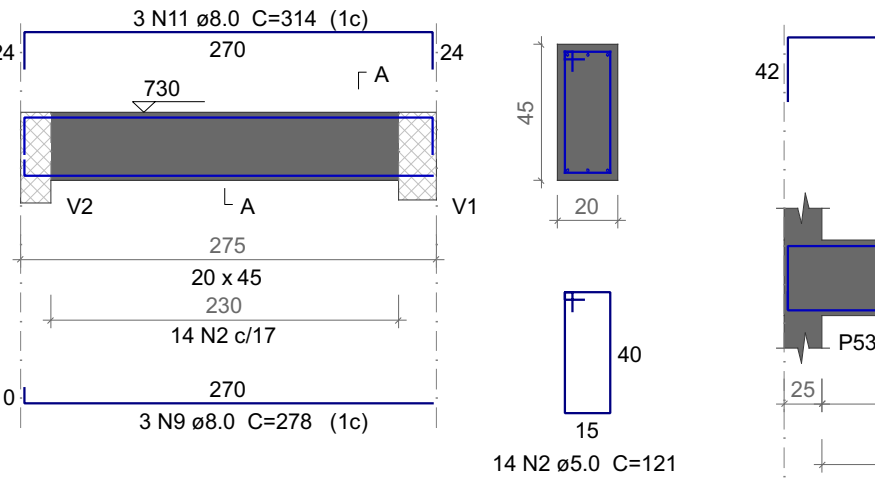
V20  
ESC 1:50



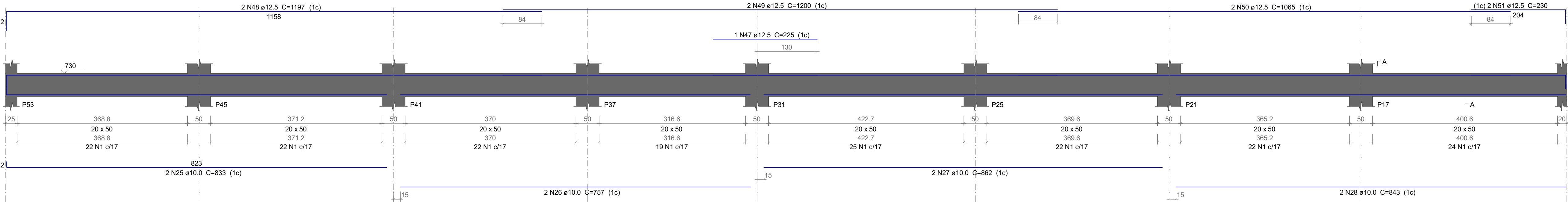
V21  
ESC 1:50



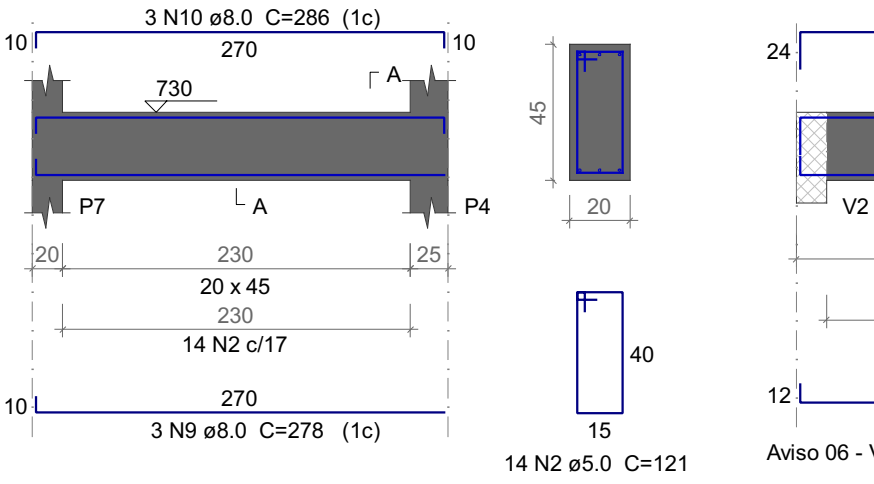
V22  
ESC 1:50



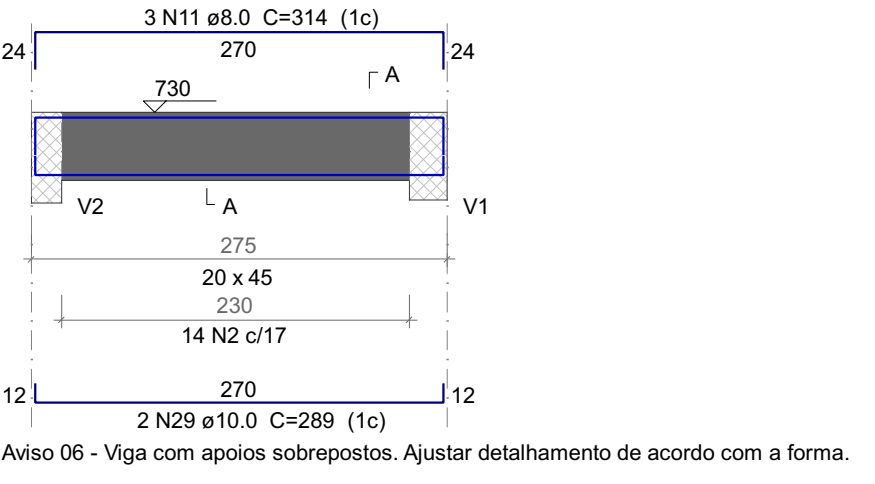
V23  
ESC 1:50



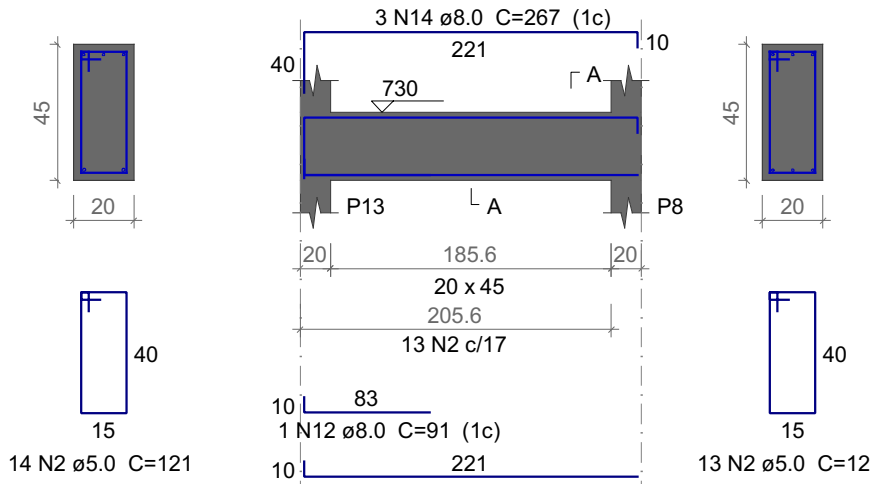
V24  
ESC 1:50



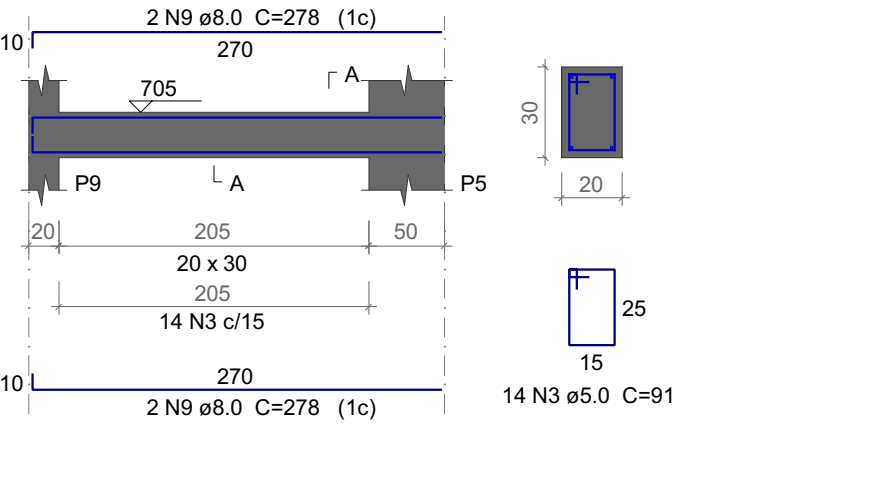
V25  
ESC 1:50



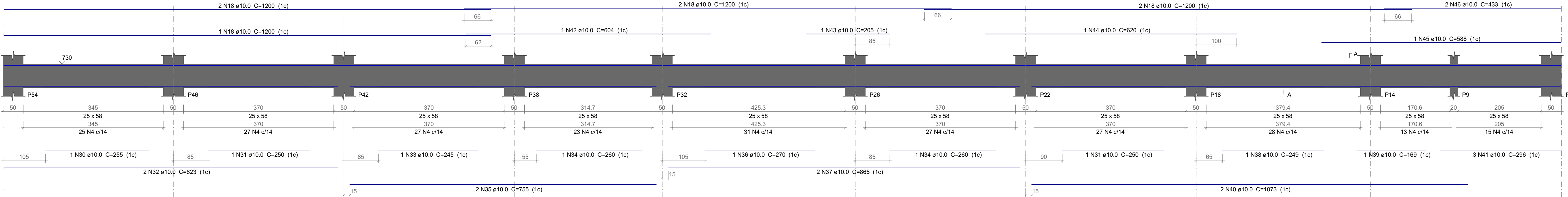
V26  
ESC 1:50



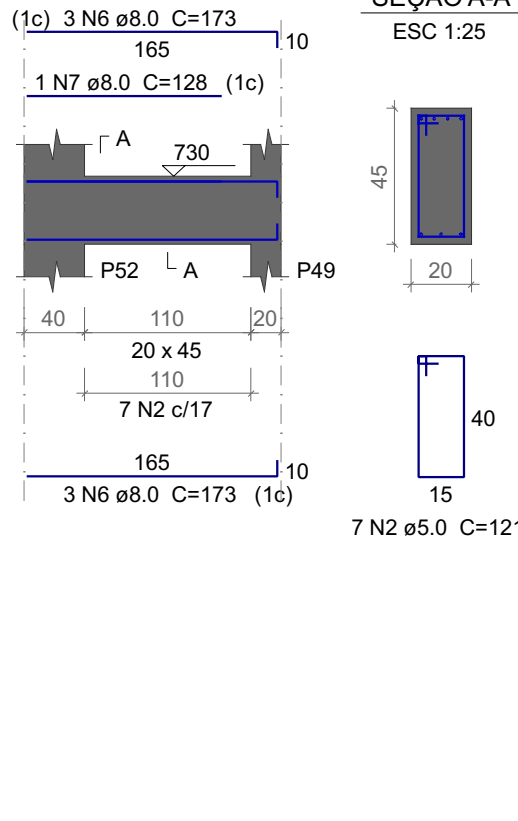
V28  
ESC 1:50



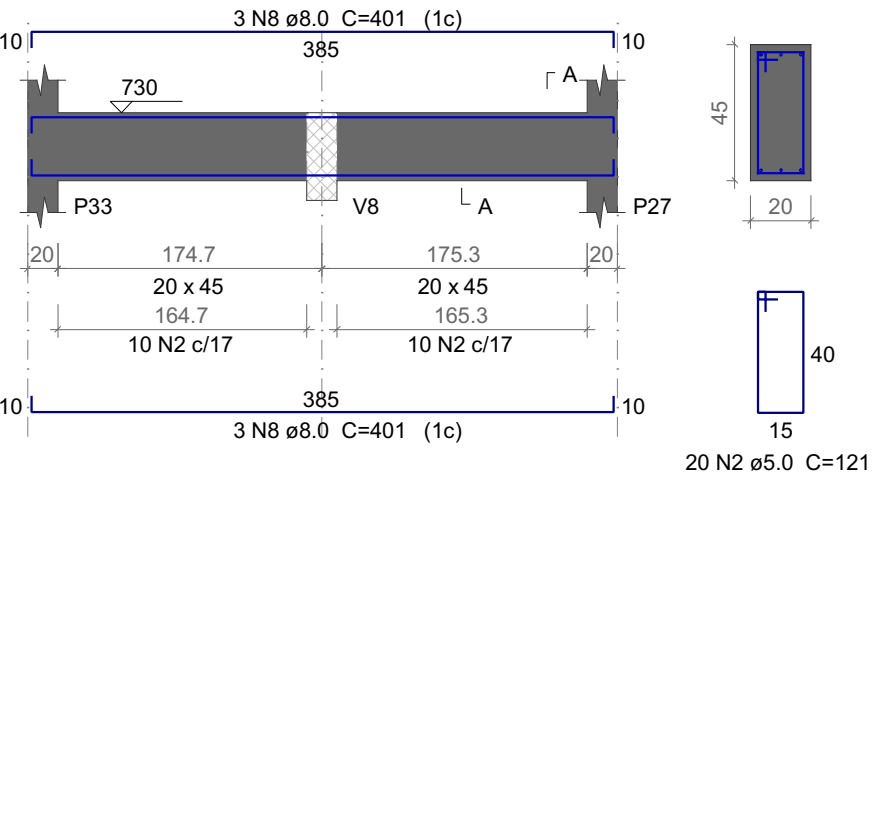
V29  
ESC 1:50



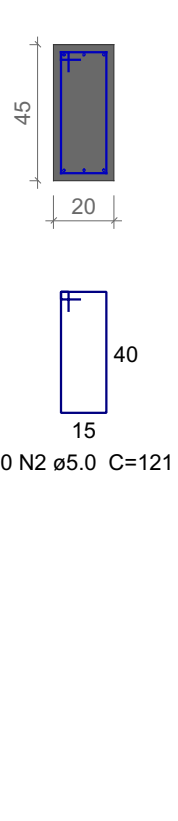
V18  
ESC 1:50



V19  
ESC 1:50



SEÇÃO A-A  
ESC 1:25



Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	375	131	49125
	2	5.0	116	121	14036
	3	5.0	14	91	1274
	4	5.0	243	157	38151
CA50	5	8.0	4	475	1900
	6	8.0	6	173	1038
	7	8.0	1	128	128
	8	8.0	9	401	3609
	9	8.0	13	278	3614
	10	8.0	6	286	1716
	11	8.0	6	314	1884
	12	8.0	1	91	91
	13	8.0	2	229	458
	14	8.0	3	267	801
	15	10.0	2	1093	2186
	16	10.0	4	810	3240
	17	10.0	2	415	830
	18	10.0	14	1200	16800
	19	10.0	1	874	874
	20	10.0	1	1195	1195
	21	10.0	1	176	176
	22	10.0	2	1196	2396
	23	10.0	2	349	698
	24	10.0	2	404	808
	25	10.0	2	833	1666
	26	10.0	2	757	1514
	27	10.0	2	862	1724
	28	10.0	2	843	1686
	29	10.0	2	289	578
	30	10.0	1	255	255
	31	10.0	2	250	500
	32	10.0	2	823	1646
	33	10.0	1	245	245
	34	10.0	2	260	520
	35	10.0	2	755	1510
	36	10.0	1	270	270
	37	10.0	2	865	1730
	38	10.0	1	249	249
	39	10.0	1	169	169
	40	10.0	2	1073	2146
	41	10.0	3	296	888
	42	10.0	1	604	604
	43	10.0	1	205	205
	44	10.0	1	620	620
	45	10.0	1	588	588
	46	10.0	2	433	866
	47	12.5	1	225	225
	48	12.5	2	1197	2394
	49	12.5	2	1200	2400
	50	12.5	2	1065	2130
	51	12.5	2	230	460

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	152.4	66.1
	10.0	493.9	334.9
	12.5	76.1	80.6
CA60	5.0	1025.9	173.9
PESO TOTAL (kg)			
CA50		481.7	
CA60		173.9	

Volume de concreto (C=30) = 13.36 m³  
Área de forma = 127.35 m²