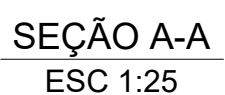
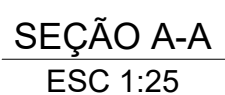


RELAÇÃO DO AÇO					
V1	V2	V3			
V4	V6	V6			
V7	V8	V9			
V10	V11	V12			
V13	V14	V15			
V16	V17	V20			
AÇO	N	DIAM (mm)	QUANT	C UNIT (cm)	C TOTAL (cm)
CA60	1	5,0	576	77	44352
	2	5,0	133	97	12901
	3	5,0	2	338	676
CA50	4	5,0	2	249	498
	5	8,0	2	659	1319
	6	8,0	2	650	1300
	7	8,0	2	658	1316
	8	8,0	2	658	1316
	9	8,0	2	650	1300
	10	8,0	2	650	1300
	11	8,0	1	115	115
	12	8,0	2	195	390
	13	8,0	4	472	1888
	14	8,0	1	480	1960
	15	8,0	2	359	718
	16	8,0	2	395	790
	17	8,0	1	677	2708
	18	8,0	4	696	2784
19	8,0	4	1186	4744	
20	8,0	2	196	392	
21	8,0	2	300	600	
22	8,0	2	318	636	
23	8,0	2	218	436	
24	8,0	2	772	1544	
25	8,0	2	836	1672	
26	8,0	2	418	836	
27	8,0	2	986	1972	
28	8,0	2	244	488	
29	8,0	2	280	560	
30	8,0	2	405	810	
31	8,0	2	441	882	
32	8,0	2	1058	2116	
33	8,0	2	1076	2152	
34	8,0	2	313	626	
35	8,0	2	349	698	
36	8,0	2	224	448	
37	8,0	2	260	520	
38	8,0	2	544	1088	
39	8,0	2	580	1160	
40	8,0	2	848	1696	
41	8,0	2	843	1682	
42	8,0	2	227	454	
43	8,0	2	259	518	



RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	506.6	219.9
CA60	5.0	584.3	99.1
PESO TOTAL (kg)			
CA50	219.9		
CA60	99.1		

Volume de concreto (C-25) = 5.47 m³
 Área de forma = 89.84 m²