



Relação do aço

VR1	VR2	VR3
VR4	VR5	VR6
VR7	VR8	VR9
VR10	VR11	VR12
VR13	VR14	VR15
VR16	VR17	VR18
VR19	VR20	VR21
VR22	VR23	VR24
VR25	VR26	VR27
VR28	VR29	VR30
VR36		

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	376	74	27824
CA50	2	5.0	90	76	6840
	3	6.3	5	104	520
	4	6.3	3	72	216
	5	8.0	2	248	496
	6	8.0	2	280	560
	7	8.0	2	127	254
	8	8.0	2	159	318
	9	8.0	2	203	406
	10	8.0	2	235	470
	11	8.0	2	172	344
	12	8.0	4	204	816
	13	8.0	2	173	346
	14	8.0	2	205	410
	15	8.0	2	202	404
	16	8.0	2	239	478
	17	8.0	2	188	376
	18	8.0	2	210	420
	19	8.0	2	368	736
	20	8.0	2	180	360
	21	8.0	2	271	542
	22	8.0	4	216	864
	23	8.0	12	261	3132
	24	8.0	12	295	3540
	25	8.0	4	211	844
	26	8.0	2	251	502
	27	8.0	4	383	1532
	28	8.0	2	279	558
	29	8.0	2	91	182
	30	8.0	2	105	210
	31	8.0	5	376	1880
	32	8.0	4	400	1600
	33	8.0	2	211	422
	34	8.0	2	197	394
	35	8.0	2	233	466
	36	8.0	2	141	282
	37	8.0	2	173	346
	38	10.0	2	403	806
	39	10.0	2	306	612
	40	10.0	2	246	492
	41	10.0	2	484	968
	42	10.0	2	437	874
	43	10.0	2	256	512
	44	10.0	2	440	880
	45	10.0	2	314	628
	46	10.0	2	228	456
	47	12.5	2	556	1112
	48	12.5	2	469	938
	49	12.5	1	169	169
	50	12.5	2	550	1100
	51	12.5	2	267	534

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	7.4	1.8
	8.0	244.9	96.6
	10.0	62.3	38.4
	12.5	38.6	37.1
CA60	5.0	346.7	53.4
PESO TOTAL			
CA50	174		
CA60	53.4		

Vol. de concreto total (C-25) = 3.17 m³
Área de forma total = 58.62 m²

