



RELAÇÃO DO AÇO

ACO	N	DIAM (mm)	QUANT	CLINT (cm)	C TOTAL (cm)
CA60	1	5,0	18	77	1386
	2	5,0	6	59	354
	3	5,0	4	40	200
	4	5,0	10	27	270
	5	5,0	10	24	240
	6	5,0	8	64	512
	7	5,0	39	26	1014
	8	5,0	51	101	5151
	9	5,0	63	29	1827
	10	5,0	18	127	2286
	11	5,0	18	127	2286
	12	5,0	26	84	2184
	13	5,0	22	137	3014
	14	5,0	6	94	564
	15	5,0	40	77	3080
	16	5,0	4	69	276
	17	5,0	17	101	1717
	18	5,0	19	97	1843
	19	5,0	21	29	609
	20	5,0	21	29	609
	21	5,0	21	29	609
	22	5,0	26	67	1742
	23	5,0	6	54	324
	24	5,0	4	349	1396
	25	5,0	4	349	1396
	26	5,0	4	357	1428
	27	5,0	6	312	1872
	28	5,0	34	312	10608
	29	5,0	34	312	10608
	30	10,0	2	107	214

RESUMO DO AÇO

ACO	DIAM (mm)	C TOTAL (mm)	PESO * 10% (kg)
CA60	12,5	38,4	11,9
CA60	16,0	174,5	42,5
CA60	5,0	334,6	56,7
PESO TOTAL			111,1

Volume do concreto (C=25) = 2,80 m³
 Área da forma = 43,97 m²

PREFEITURA MUNICIPAL DE CAMPOS NOVOS (SP)
 SECRETARIA MUNICIPAL DE TRANSPORTES, OBRAS E URBANISMO
 DEPARTAMENTO DE ENGENHARIA

RECOMENDAÇÃO E APLICAÇÃO DA OBRA: MANUTENÇÃO SUPR. BARRIUM

PROPOSTA Nº	68821 Nº	PROPOSTA Nº	73202 Nº
ESTRUTURAL	7490 Nº	ESTRUTURAL	9481 Nº

RECOMENDADO: NUA SENONI DE CALVIÇA, LONDRA SENONI COM NUA JOÃO PIRES DE ANDRADE, SAIBED SOU VIVA.

111
 11/13
 CARLOS RICARDO FERREIRA
 EDUARDO ALEXANDRE FERREIRANO