



Relação do aço

ACO	N	DIAM (mm)	QUANT	CUMUL	C.TOTAL
C460	1	5,0	574	108	61992
C460	2	8,0	2	230	360
C460	3	8,0	2	230	360
C460	4	8,0	1	460	450
C460	5	8,0	5	882	4410
C460	6	8,0	1	280	280
C460	7	8,0	1	162	162
C460	8	8,0	1	65	65
C460	9	8,0	1	85	85
C460	10	8,0	3	105	315
C460	11	8,0	1	576	576
C460	12	8,0	2	906	1812
C460	13	8,0	11	403	4433
C460	14	8,0	5	662	3310
C460	15	8,0	1	327	327
C460	16	8,0	1	415	2075
C460	17	8,0	5	157	157
C460	18	8,0	1	157	157
C460	19	8,0	1	198	198
C460	20	8,0	2	510	1020
C460	21	8,0	2	510	1020
C460	22	8,0	2	259	500
C460	23	8,0	1	193	193
C460	24	8,0	1	444	444
C460	25	8,0	2	1182	2364
C460	26	8,0	1	463	463
C460	27	8,0	1	2380	2380
C460	28	8,0	2	1190	2380
C460	29	8,0	1	240	240
C460	30	8,0	4	424	1696
C460	31	8,0	1	96	96
C460	32	8,0	2	451	902
C460	33	8,0	2	270	540
C460	34	8,0	1	343	343
C460	35	8,0	1	780	1560
C460	36	8,0	2	408	816
C460	37	8,0	1	788	1576
C460	38	8,0	2	788	1576
C460	39	8,0	1	270	270
C460	40	8,0	1	320	320
C460	41	8,0	1	380	380
C460	42	8,0	2	160	320
C460	43	8,0	2	160	320
C460	44	8,0	2	233	466
C460	45	8,0	1	105	105
C460	46	8,0	1	327	327
C460	47	8,0	1	130	130
C460	48	8,0	1	164	164
C460	49	8,0	2	894	1788
C460	50	8,0	5	410	2050
C460	51	8,0	3	277	831
C460	52	8,0	1	421	421
C460	53	8,0	1	243	243
C460	54	8,0	2	794	1588
C460	55	8,0	1	460	460
C460	56	8,0	1	88	88
C460	57	8,0	1	25	25
C460	58	8,0	2	505	1010
C460	59	8,0	1	177	177
C460	60	8,0	2	537	1074

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
C460	8,0	575,3	248,7
C460	5,0	624,6	105,9
PESO TOTAL (kg)			354,6
C460	248,7		
C460	105,9		

Volume de concreto (C-30) = 8,46 m³
Área de forma = 103,7 m²

CONTRATANTE:		PREFEITURA MUNICIPAL DE JOAO NEVA	
PROGRAMA:		REFORMA E AMPLIAÇÃO DA ANTIGA EMEI HILDA BRITO	
MUNICÍPIO/ÁREA:		JOÃO NEVA / ES	
TÍTULO:		PROJETO ESTRUTURAL	
DETALHE		LAVANDERIA / VESTIÁRIOS – GRAS	
VÍDAS V1 ATE V17		ESCALA: INDICADA	
FRANCHA:		4.22	