



RELACIONAMENTO DO AÇO

ACO	N	DIAM (mm)	QUANT	CUMUL	CUMUL
CA60	1	6,0	14	14	406
CA60	2	6,0	14	28	1176
CA60	3	6,0	14	42	1518
CA60	4	6,0	14	56	1860
CA60	5	6,0	14	70	2202
CA60	6	6,0	14	84	2544
CA60	7	6,0	14	98	2886
CA60	8	6,0	14	112	3228
CA60	9	6,0	14	126	3570
CA60	10	6,0	14	140	3912
CA60	11	6,0	14	154	4254
CA60	12	6,0	14	168	4596
CA60	13	6,0	14	182	4938
CA60	14	6,0	14	196	5280
CA60	15	6,0	14	210	5622
CA60	16	6,0	14	224	5964
CA60	17	6,0	14	238	6306
CA60	18	6,0	14	252	6648
CA60	19	6,0	14	266	6990
CA60	20	6,0	14	280	7332
CA60	21	6,0	14	294	7674
CA60	22	6,0	14	308	8016
CA60	23	6,0	14	322	8358
CA60	24	6,0	14	336	8700
CA60	25	6,0	14	350	9042
CA60	26	6,0	14	364	9384
CA60	27	6,0	14	378	9726
CA60	28	6,0	14	392	10068
CA60	29	6,0	14	406	10410
CA60	30	6,0	14	420	10752
CA60	31	6,0	14	434	11094
CA60	32	6,0	14	448	11436
CA60	33	6,0	14	462	11778
CA60	34	6,0	14	476	12120
CA60	35	6,0	14	490	12462
CA60	36	6,0	14	504	12804
CA60	37	6,0	14	518	13146
CA60	38	6,0	14	532	13488
CA60	39	6,0	14	546	13830
CA60	40	6,0	14	560	14172
CA60	41	6,0	14	574	14514
CA60	42	6,0	14	588	14856
CA60	43	6,0	14	602	15198
CA60	44	6,0	14	616	15540
CA60	45	6,0	14	630	15882
CA60	46	6,0	14	644	16224
CA60	47	6,0	14	658	16566
CA60	48	6,0	14	672	16908
CA60	49	6,0	14	686	17250
CA60	50	6,0	14	700	17592

RESUMO DO AÇO

ACO	DIAM (mm)	CUMUL (kg)	PESO (kg)	POSS (%)
CA60	6,0	10752	406	0,2
CA60	10,0	4314	214	0,1
CA60	16,0	417	724	0,4
CA60	20,0	160,8	226	0,1
PESO TOTAL	(kg)		1613	
CA60	16,0		27,8	

Volume de concreto (C-25) = 3,00 m³  
Área da forma = 20,41 m²



**PREFEITURA MUNICIPAL DE CAMPOS NOVOS (SC)**  
SECRETARIA MUNICIPAL DE TRANSPORTES, OBRAS E DEBANISMO  
DEPARTAMENTO DE ENGENHARIA

OBRA: REFORMA E AMPLIAÇÃO DA GRECHE MARLENE RUFF BAGATTINI  
ESTRUTURAL

ÁREA CONSTRUIVA EXISTENTE	ÁREA DE REFORMA	ÁREA TOTAL DE AMPLIAÇÃO	ÁREA TOTAL CONSTRUIVA
626,21 M²	74,90 M²	94,81 M²	723,02 M²

DATA: SETEMBRO/2020  
LOCAL: RUA BENONI DE OLIVEIRA LEMOS ESQUINA COM RUA JOÃO PINTO DE ANDRADE, BAIRRO BOA VISTA

PROJETO: 09/10  
AUTOR: LUIZ CARLOS

PROFESSOR: SÍLVIO ALEXANDRE ZANCANARO