



SEÇÃO A-A  
ESC 1:20

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Relação do aço

ELEMENTO	AÇO	N	DIAM	Ø	UNIT	C.TOTAL
14xP1	CA60	1	5,0	140	65	9520
14xP15	CA60	2	10,0	56	112	6222
CA60	CA60	3	5,0	210	165	14280
14xP29	CA60	4	5,0	356	162	22824
CA60	CA60	5	5,0	356	162	22824
CA60	CA60	6	10,0	56	285	15960
CA60	CA60	1	5,0	202	88	17776
CA60	CA60	2	8,0	2	1007	2014
CA60	CA60	3	8,0	2	998	1996
CA60	CA60	4	8,0	2	1066	2132
CA60	CA60	5	8,0	2	1195	2396
CA60	CA60	6	8,0	2	1200	2400
CA60	CA60	7	8,0	2	952	1904
CA60	CA60	8	5,0	202	88	17776
CA60	CA60	9	5,0	202	88	17776
CA60	CA60	10	8,0	2	1007	2014
CA60	CA60	11	8,0	2	998	1996
CA60	CA60	12	8,0	2	1066	2132
CA60	CA60	13	8,0	2	174	348
CA60	CA60	14	8,0	2	1195	2396
CA60	CA60	15	8,0	2	1200	2400
CA60	CA60	16	8,0	2	952	1904
CA60	CA60	17	8,0	2	885	17744
CA60	CA60	18	5,0	88	1007	2014
CA60	CA60	19	8,0	2	1007	2014
CA60	CA60	20	8,0	2	1195	2396
CA60	CA60	21	8,0	2	885	17744
CA60	CA60	22	5,0	88	1007	2014
CA60	CA60	23	8,0	2	1074	2142
CA60	CA60	24	8,0	2	174	348
CA60	CA60	25	8,0	2	187	374
CA60	CA60	26	8,0	2	1195	2396
CA60	CA60	27	8,0	2	284	568
CA60	CA60	28	8,0	2	284	568
CA60	CA60	29	8,0	2	214	428
CA60	CA60	30	8,0	2	214	428
CA60	CA60	31	5,0	12	88	1056
CA60	CA60	32	8,0	2	214	428
CA60	CA60	33	8,0	2	218	436
CA60	CA60	34	5,0	2	88	1792
CA60	CA60	35	8,0	2	148	296
CA60	CA60	36	8,0	2	174	348
CA60	CA60	37	5,0	2	88	1792
CA60	CA60	38	8,0	2	129	258
CA60	CA60	39	8,0	2	177	354

Resumo do aço

AÇO	DIAM	C.TOTAL	PESO + 10 %
CA60	8,0	409,5	1777,9
CA60	10,0	318,6	216,3
CA60	5,0	1012,1	1715
FESO TOTAL			
CA60	394,2		
CA60	171,5		

Vol. de concreto Estacos (C-15) = 1,85 m³  
 Vol. de concreto total Baldrame e Pilar (C-25)  
 = 7,22 m³  
 Área de forma total = 72,17 m²

ANEXO I

F O L H A

02/04

**CONSTRUÇÃO DE UMA QUADRA POLIESPORTIVA**

ASSUNTO: PROJETO ESTRUTURAL  
 LOCAL: AVENIDA ARILDO FERNANDES, ESQ. C/ RUA MARIA APARECIDA AVES  
 BAIRRO: C. H. GÁCIO MENDONÇA BERTOLINI  
 MUNICÍPIO: PEDERNEIRAS/SP  
 RESP.TEÇN.: ENG. CIVIL RAFAEL TRAMONTE LEMÉ - CREB/SP 5069465124  
 DESENHO: RANDAL BERGAMASCO - TÉCNICO EM EDIFICAÇÕES CREB/SP 5069053997  
 DATA: FEV/2018  
 ESCALA: INDICADA

