



PLANTA DE ARMAÇÃO DA LAJE DO PAVIMENTO 1ºPISO - NÍVEL (+3.25)
 ARMADURA NEGATIVA VERTICAL
 ESCALA 1:75
 (MEDIDAS EM CENTÍMETROS)

A	Ç	Ø	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
ARMADURA NEGATIVA VERTICAL							
S5A	8	10	1	6.3	11	490	6370
S5A	8	10	2	6.3	10	420	4200
S5A	8	10	3	6.3	7	270	810
S5A	8	10	4	6.3	6	240	720
S5A	8	10	5	6.3	10	420	4200
S5A	8	10	6	6.3	5	210	630
S5A	8	10	7	6.3	5	210	630
S5A	8	10	8	6.3	19	495	9405
S5A	8	10	9	6.3	3	275	825
S5A	8	10	10	6.3	4	520	2080
S5A	8	10	11	6.3	6	450	2700
S5A	8	10	12	6.3	14	400	5600
S5A	8	10	13	6.3	19	175	3325
S5A	8	10	14	6.3	3	170	510
S5A	8	10	15	6.3	10	485	4850
S5A	8	10	16	6.3	5	395	1975
S5A	8	10	17	6.3	13	575	7475
S5A	8	10	18	6.3	3	240	720
S5A	8	10	19	6.3	6	490	2940
S5A	8	10	20	6.3	4	435	1740
S5A	8	10	21	6.3	4	385	1540
S5A	8	10	22	6.3	15	360	5400
S5A	8	10	23	6.3	3	230	690
S5A	8	10	24	6.3	15	360	5400
S5A	8	10	25	6.3	3	230	690
S5A	8	10	26	6.3	10	460	4600
S5A	8	10	27	6.3	10	460	4600
S5A	8	10	28	6.3	12	460	5520
S5A	8	10	29	6.3	18	460	8280
S5A	8	10	30	6.3	6	460	2760
S5A	8	10	31	6.3	7	460	3220
S5A	8	10	32	6.3	12	497	5964
S5A	8	10	33	6.3	7	595	4165
S5A	8	10	34	6.3	6	527	3162
S5A	8	10	35	6.3	29	460	13340
S5A	8	10	36	12.5	3	450	1350
S5A	8	10	37	12.5	5	750	3750
S5A	8	10	38	6.3	36	305	10980
S5A	8	10	39	6.3	15	460	6900
S5A	8	10	40	10	5	355	1775
S5A	8	10	41	12.5	16	540	8640
S5A	8	10	42	8	23	525	12075
S5A	8	10	43	6.3	57	205	11685
S5A	8	10	44	12.5	38	370	14060
S5A	8	10	45	6.3	5	375	1875
S5A	8	10	46	6.3	11	352	3872
S5A	8	10	47	6.3	11	202	2222
S5A	8	10	48	6.3	11	202	2222
S5A	8	10	49	6.3	12	510	6120
S5A	8	10	50	6.3	22	330	7260
S5A	8	10	51	6.3	32	485	5560
S5A	8	10	52	12.5	6	465	2790
S5A	8	10	53	10	60	285	17100
S5A	8	10	54	8	10	280	2800
S5A	8	10	55	6.3	23	135	3105
S5A	8	10	56	10	28	520	14560
S5A	8	10	57	10	3	310	930
S5A	8	10	58	6.3	81	200	16200
S5A	8	10	59	12.5	3	530	1590
S5A	8	10	60	12.5	15	525	7875
S5A	8	10	61	6.3	22	340	7480
S5A	8	10	62	6.3	28	125	3500
S5A	8	10	63	10	95	515	48940
S5A	8	10	64	6.3	11	140	1540
S5A	8	10	65	6.3	11	155	1705
S5A	8	10	66	6.3	3	235	705
S5A	8	10	67	10	2	790	1580
S5A	8	10	68	6.3	19	345	6555
S5A	8	10	69	6.3	45	350	15750
S5A	8	10	70	6.3	13	465	6045
S5A	8	10	71	6.3	4	1400	5600
S5A	8	10	72	6.3	22	505	11110
S5A	8	10	73	6.3	85	210	17850
S5A	8	10	74	10	3	370	1110
S5A	8	10	75	8	12	345	4140
S5A	8	10	76	6.3	3	195	585
S5A	8	10	77	6.3	2	383	766
S5A	8	10	78	6.3	9	460	4140
S5A	8	10	79	6.3	9	210	1890
S5A	8	10	80	6.3	9	370	3330

A	Ç	Ø	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
ARMADURA NEGATIVA VERTICAL							
S5A	1	6.3	1	7	1	242	242
S5A	1	6.3	2	7	5	315	1575
S5A	1	6.3	3	7	3	290	870
S5A	1	6.3	4	7	7	350	2450
S5A	1	6.3	5	7	7	2037	14259
S5A	1	6.3	6	7	5	340	1700
S5A	1	6.3	7	7	5	520	2600
S5A	1	6.3	8	7	2	355	710
S5A	1	6.3	9	7	3	400	1200
S5A	1	6.3	10	7	10	2420	24200
S5A	1	6.3	11	7	134	175	23450
S5A	1	6.3	12	7	15	5700	85500
S5A	1	6.3	13	7	2	520	1040
S5A	1	6.3	14	7	8	4456	35648
S5A	1	6.3	15	7	30	158	4740
S5A	1	6.3	16	7	5	176	880
S5A	1	6.3	17	7	30	158	4740
S5A	1	6.3	18	7	2	390	780
S5A	1	6.3	19	7	6	1182	7092
S5A	1	6.3	20	7	2	230	460
S5A	1	6.3	21	7	18	1540	27720
S5A	1	6.3	22	7	15	3420	51300
S5A	1	6.3	23	7	10	360	3600
S5A	1	6.3	24	7	12	460	5520
S5A	1	6.3	25	7	18	460	8280
S5A	1	6.3	26	7	6	460	2760
S5A	1	6.3	27	7	7	595	4165
S5A	1	6.3	28	7	12	497	5964
S5A	1	6.3	29	7	7	595	4165
S5A	1	6.3	30	7	6	527	3162
S5A	1	6.3	31	7	29	460	13340
S5A	1	6.3	32	7	3	450	1350
S5A	1	6.3	33	7	5	750	3750
S5A	1	6.3	34	7	36	305	10980
S5A	1	6.3	35	7	15	460	6900
S5A	1	6.3	36	7	5	355	1775
S5A	1	6.3	37	7	16	540	8640
S5A	1	6.3	38	7	23	525	12075
S5A	1	6.3	39	7	57	205	11685
S5A	1	6.3	40	7	38	370	14060
S5A	1	6.3	41	7	5	375	1875
S5A	1	6.3	42	7	11	352	3872
S5A	1	6.3	43	7	11	202	2222
S5A	1	6.3	44	7	11	202	2222
S5A	1	6.3	45	7	12	510	6120
S5A	1	6.3	46	7	22	330	7260
S5A	1	6.3	47	7	32	485	5560
S5A	1	6.3	48	7	6	465	2790
S5A	1	6.3	49	7	60	285	17100
S5A	1	6.3	50	7	10	280	2800
S5A	1	6.3	51	7	23	135	3105
S5A	1	6.3	52	7	28	520	14560
S5A	1	6.3	53	7	3	310	930
S5A	1	6.3	54	7	81	200	16200
S5A	1	6.3	55	7	3	530	1590
S5A	1	6.3	56	7	15	525	7875
S5A	1	6.3	57	7	22	340	7480
S5A	1	6.3	58	7	28	125	3500
S5A	1	6.3	59	7	95	515	48940
S5A	1	6.3	60	7	11	140	1540
S5A	1	6.3	61	7	11	155	1705
S5A	1	6.3	62	7	3	235	705
S5A	1	6.3	63	7	2	790	1580
S5A	1	6.3	64	7	19	345	6555
S5A	1	6.3	65	7	45	350	15750
S5A	1	6.3	66	7	13	465	6045
S5A	1	6.3	67	7	4	1400	5600
S5A	1	6.3	68	7	22	505	11110
S5A	1	6.3	69	7	85	210	17850
S5A	1	6.3	70	7	3	370	1110
S5A	1	6.3	71	7	12	345	4140
S5A	1	6.3	72	7	3	195	585
S5A	1	6.3	73	7	2	383	766
S5A	1	6.3	74	7	9	460	4140
S5A	1	6.3	75	7	9	210	1890
S5A	1	6.3	76	7	9	370	3330

RESUMO AÇO CA 50 - 60			
A	Ç	Ø	PESO (kg)
S5A	6.3	3780	948
S5A	8	320	140
S5A	10	1151	725
S5A	12.5	421	531
Peso Total S5A =			2231 kg

CONCRETO: fck=30MPa

MÓDULO DE DEFORMAÇÃO ESTATICO			
fck	Consumo de Cimento	Relação Água/Cimento A/C	Ecs
30 MPa	400 kg	0.55	26 GPa

REV.	DATA	REVISÃO	APROVADO POR



PROJETO FUNCIONAL DE REFORMA DE ESCOLA
 ESCOLA MUNICIPAL AMADEU CARLETTI JR.
 RUA ESCÓCIA, BARRIO: VIA BRITÂNIA, CAMPOS DO JORDÃO - SP.
 ESTRUTURAL
 ARMADURA DA LAJE 1º PISO
 ÁREA DE PROJ. CAMPOS DO JORDÃO-SP
 SUB-ÁREA PROJ. EDUCAÇÃO

Nº	004
PROJETO	AC245600 - 004EST
ESCALA	FL 24/26
INDICADAS	DATA: MAR/2014
REVISÃO	00