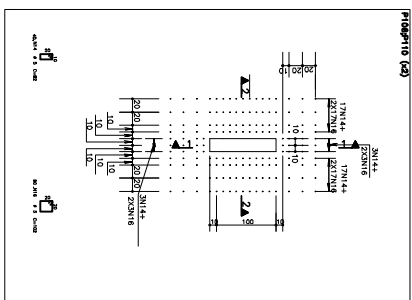
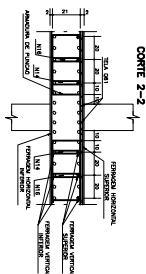
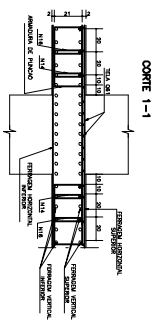
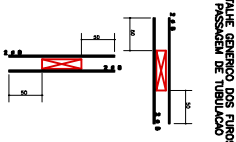
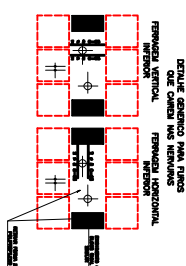
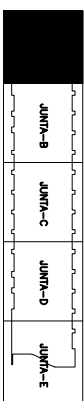
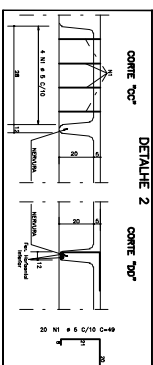
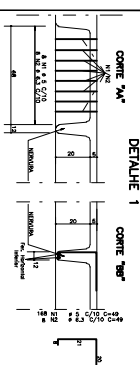
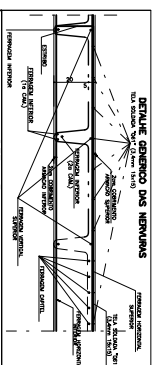
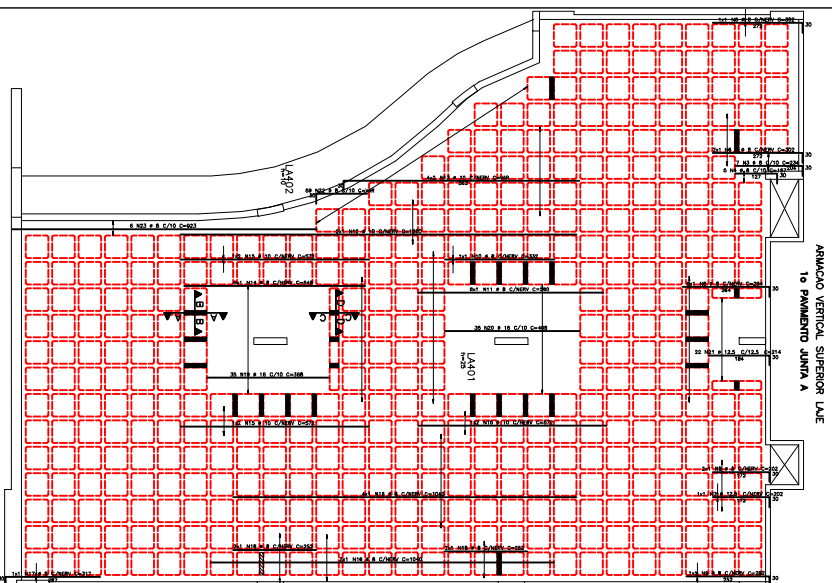
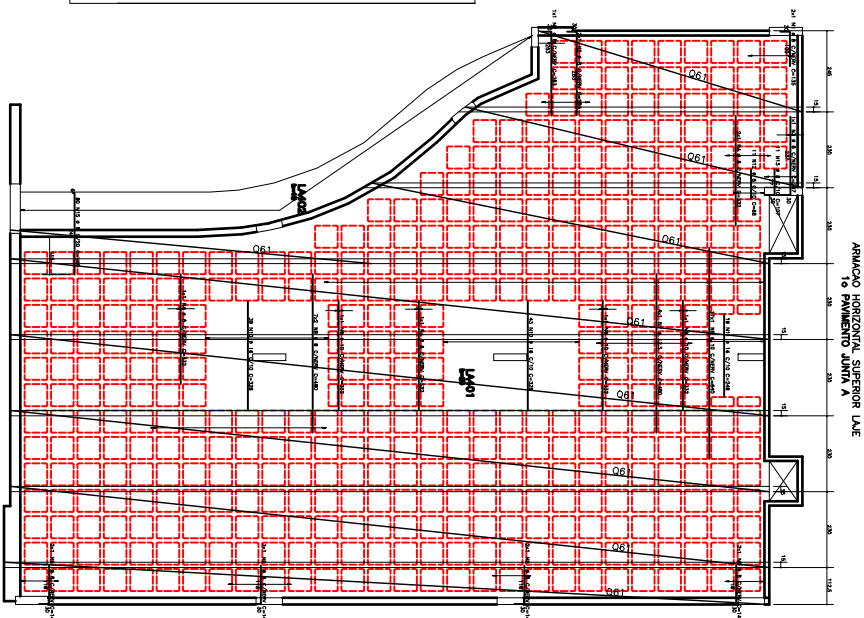




RESUMO TELA 001 JUNTA A			
QUANT.	DESCRIÇÃO	AREA (m²)	PREÇO (R\$)
1	1000	25,00	41,00
1	2000	13,00	11,01
1	3000	13,00	11,01
1	4000	13,00	11,01
1	5000	13,00	11,01
1	6000	13,00	11,01
1	7000	13,00	11,01
1	8000	13,00	11,01
1	9000	13,00	11,01
1	10000	13,00	11,01
1	11000	13,00	11,01
1	12000	13,00	11,01
1	13000	13,00	11,01
1	14000	13,00	11,01
1	15000	13,00	11,01
1	16000	13,00	11,01
1	17000	13,00	11,01
1	18000	13,00	11,01
1	19000	13,00	11,01
1	20000	13,00	11,01
1	21000	13,00	11,01
1	22000	13,00	11,01
1	23000	13,00	11,01
1	24000	13,00	11,01
1	25000	13,00	11,01
1	26000	13,00	11,01
1	27000	13,00	11,01
1	28000	13,00	11,01
1	29000	13,00	11,01
1	30000	13,00	11,01
1	31000	13,00	11,01
1	32000	13,00	11,01
1	33000	13,00	11,01
1	34000	13,00	11,01
1	35000	13,00	11,01
1	36000	13,00	11,01
1	37000	13,00	11,01
1	38000	13,00	11,01
1	39000	13,00	11,01
1	40000	13,00	11,01
1	41000	13,00	11,01
1	42000	13,00	11,01
1	43000	13,00	11,01
1	44000	13,00	11,01
1	45000	13,00	11,01
1	46000	13,00	11,01
1	47000	13,00	11,01
1	48000	13,00	11,01
1	49000	13,00	11,01
1	50000	13,00	11,01
1	51000	13,00	11,01
1	52000	13,00	11,01
1	53000	13,00	11,01
1	54000	13,00	11,01
1	55000	13,00	11,01
1	56000	13,00	11,01
1	57000	13,00	11,01
1	58000	13,00	11,01
1	59000	13,00	11,01
1	60000	13,00	11,01
1	61000	13,00	11,01
1	62000	13,00	11,01
1	63000	13,00	11,01
1	64000	13,00	11,01
1	65000	13,00	11,01
1	66000	13,00	11,01
1	67000	13,00	11,01
1	68000	13,00	11,01
1	69000	13,00	11,01
1	70000	13,00	11,01
1	71000	13,00	11,01
1	72000	13,00	11,01
1	73000	13,00	11,01
1	74000	13,00	11,01
1	75000	13,00	11,01
1	76000	13,00	11,01
1	77000	13,00	11,01
1	78000	13,00	11,01
1	79000	13,00	11,01
1	80000	13,00	11,01
1	81000	13,00	11,01
1	82000	13,00	11,01
1	83000	13,00	11,01
1	84000	13,00	11,01
1	85000	13,00	11,01
1	86000	13,00	11,01
1	87000	13,00	11,01
1	88000	13,00	11,01
1	89000	13,00	11,01
1	90000	13,00	11,01
1	91000	13,00	11,01
1	92000	13,00	11,01
1	93000	13,00	11,01
1	94000	13,00	11,01
1	95000	13,00	11,01
1	96000	13,00	11,01
1	97000	13,00	11,01
1	98000	13,00	11,01
1	99000	13,00	11,01
1	100000	13,00	11,01
PREÇO TOTAL (R\$/m²)			200,16

ARMANDO HORIZONTAL SUPERIOR LALÉ						
ACO	POS	HIT	QUANT	COMPONENTE	UNIT	TOTAL
		(mm)			(cm)	(cm)
50A	2	6	1	283	270	
50A	3	6	3	849	849	
50A	4	6	1	283	270	
50A	5	10	17	542	542	
50A	6	10	17	542	542	
50A	7	12,5	4	10860	10860	
50A	8	14	4	840	840	
50A	9	14	4	840	840	
50A	10	16	82	6720	6720	
50A	11	16	82	328	26884	
50A	12	19	248	4712	4712	
50A	13	16	11	107	107	
50A	14	5	1	1777	1777	
50A	15	5	1	107	107	
60B	1	180	1	502	502	
60B	2	180	1	2560	2560	
60B	3	180	1	1520	1520	

RESUMO AÇO 50-60				PESO
AÇO	BIT	COMPR		
	(mm)	(m)		(kg)
608	5	229		37
50A	6	332		133
50A	12	119		75
50A	19	19		19
50A	16	316		506
Peso Total	608 =			537 kg
Peso total	50A =			733 kg
Peso total (*)	608 =			74 kg
Peso total (*)	50A =			1466 kg



AGE	POS	BET	QUANT	COMPONENT
				UNIT TOTAL
				(ton)
AWAZO	0008	186	48	8517
50A	1	5	2	214
50A	2	8	3	284
50A	3	8	3	284
50A	4	8	3	284
50A	5	8	3	284
50A	6	8	3	284
50A	7	12,3	202	2052
50A	8	8	3	284
50A	9	8	3	284
50A	10	8	3	284
50A	11	8	3	284
50A	12	11,0	2	3325
50A	13	10	2	3325
50A	14	8	3	284
50A	15	8	3	284
50A	16	8	3	284
50A	17	8	3	284
50A	18	8	3	284
50A	19	16	30	4038
50A	20	16	30	4038
50A	21	12,8	202	2052
50A	22	8	3	284
50A	23	8	3	284
50A	24	8	3	284
50A	25	8	3	284
50A	26	8	3	284
50A	27	8	3	284
50A	28	8	3	284
50A	29	8	3	284
50A	30	8	3	284
50A	31	8	3	284
50A	32	8	3	284
50A	33	8	3	284
50A	34	8	3	284
50A	35	8	3	284
50A	36	8	3	284
50A	37	8	3	284
50A	38	8	3	284
50A	39	8	3	284
50A	40	8	3	284
50A	41	8	3	284
50A	42	8	3	284
50A	43	8	3	284
50A	44	8	3	284
50A	45	8	3	284
50A	46	8	3	284
50A	47	8	3	284
50A	48	8	3	284
50A	49	8	3	284
50A	50	8	3	284
50A	51	8	3	284
50A	52	8	3	284
50A	53	8	3	284
50A	54	8	3	284
50A	55	8	3	284
50A	56	8	3	284
50A	57	8	3	284
50A	58	8	3	284
50A	59	8	3	284
50A	60	8	3	284
50A	61	8	3	284
50A	62	8	3	284
50A	63	8	3	284
50A	64	8	3	284
50A	65	8	3	284
50A	66	8	3	284
50A	67	8	3	284
50A	68	8	3	284
50A	69	8	3	284
50A	70	8	3	284
50A	71	8	3	284
50A	72	8	3	284
50A	73	8	3	284
50A	74	8	3	284
50A	75	8	3	284
50A	76	8	3	284
50A	77	8	3	284
50A	78	8	3	284
50A	79	8	3	284
50A	80	8	3	284
50A	81	8	3	284
50A	82	8	3	284
50A	83	8	3	284
50A	84	8	3	284
50A	85	8	3	284
50A	86	8	3	284
50A	87	8	3	284
50A	88	8	3	284
50A	89	8	3	284
50A	90	8	3	284
50A	91	8	3	284
50A	92	8	3	284
50A	93	8	3	284
50A	94	8	3	284
50A	95	8	3	284
50A	96	8	3	284
50A	97	8	3	284
50A	98	8	3	284
50A	99	8	3	284
50A	100	8	3	284

RESUMO AQO CA 50-60				
AQO	BIT	COMPR	PESO	
	(mm)	(m)	(kg)	
608	5	92	15	
504	6,3	4	142	
504	10	306	49	
504	12,5	49	49	
504		272	455	
Peso Total	608 =		15 kg	
Peso Total	504 =		695 kg	
Peso Total (2)	608 =		30 kg	
Peso Total (2)	504 =		1390 kg	

FCK = 40 MPa
EC = 30 GPa (MODULO DE ELASTICIDADE SECUNDARIA)
A/C = 0,65 (RATIO AGUA CEMENTO)

0	12/04/2006	GERADO: IMCPLA	GERADO
IMP			
IMP	DATA		
 Sinatira Engenharia e Projetos Ltda 15 AV. BOMAS, 22 - 1º AND - 04.200-000 SÃO PAULO - SP FONE: (11) 5082-1000 E-MAIL: sinatira@sinatira.com.br			
PROJETO ESTRUTURAL			
CLIENTE	GRU AMARCOZOS LTDA	NO. EM FOLHA	001
END.	AV. CUNHEIRA, 96-2	DATA	
PROJETO PARA OBRAS DE RECONSTRUÇÃO - QUADRA 01 LOTES 406/056/015			
ABRACO SUPORTE/CEMENTALIMITE 1o e 2o PAVIMENTO JUNA - A		DATA DE IMPR	08/4/11
PROJETO/REVISÃO	DATA DO PROJETO	QUANTO	17/11
PROJETO/REVISÃO	DATA DO PROJETO	QUANTO	CM
PROJETO/REVISÃO		DATA DO PROJETO	08/4/11
PROJETO/REVISÃO		DATA DO PROJETO	08/4/11
PROJETO/REVISÃO PARA PROJETO ESTRUTURAL			
PROJETO/REVISÃO E ANÁLISE DE VLS -			
PROJETO/REVISÃO			