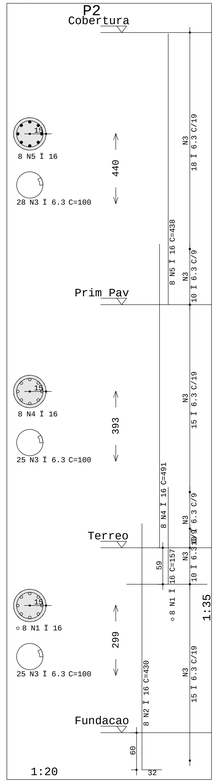
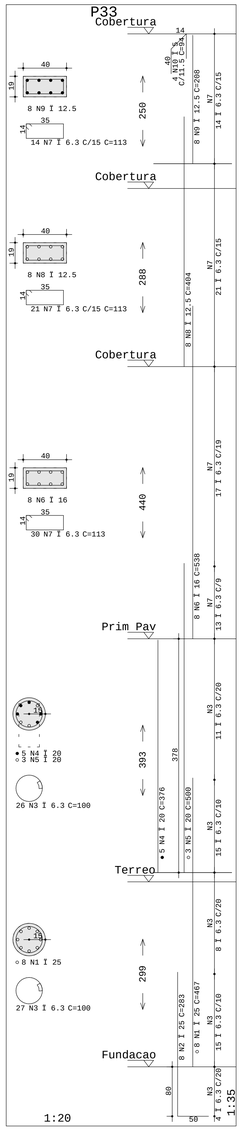
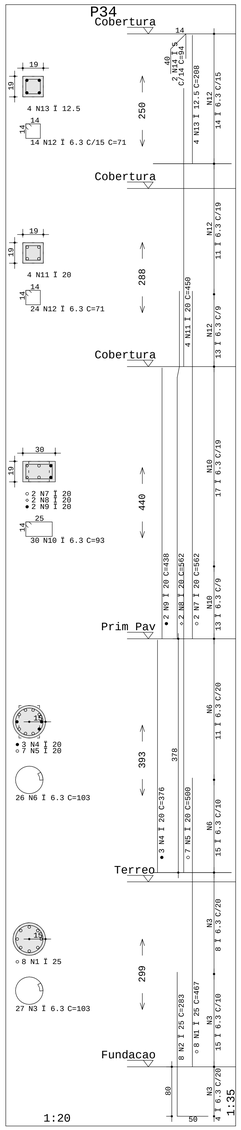
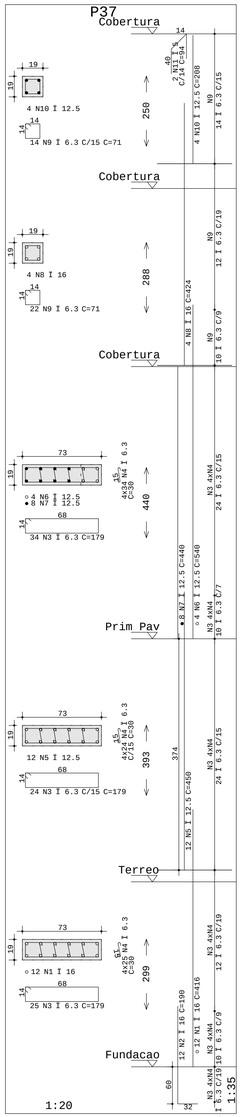
ROBERTO ANTONIO DE LIMA PC C:\TQS\Guaratinguets DR-14\P1&R2\25803.PLT 29/08/2014 22:45:35

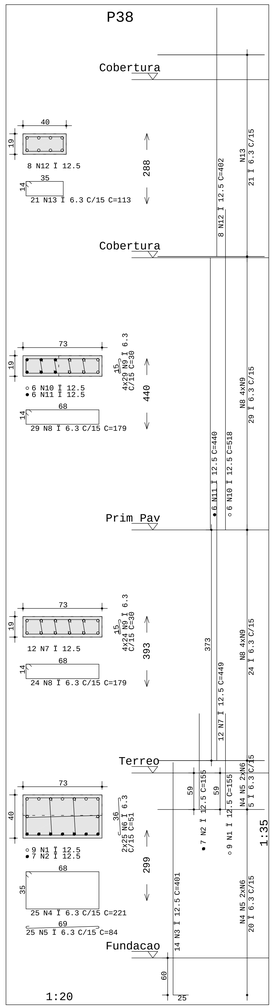
P2=P3=P4
3X

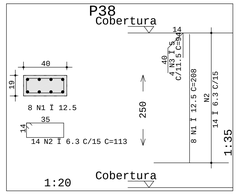


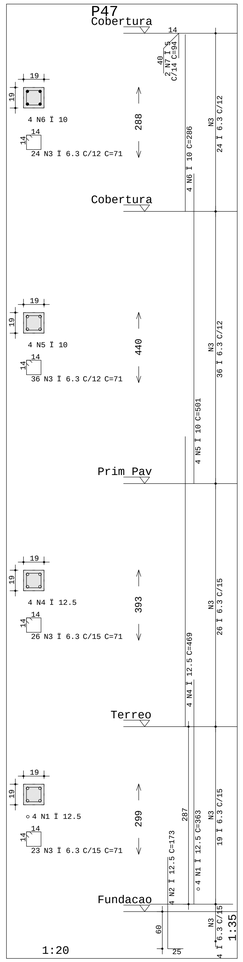












AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
P2=P3=P4 (X3)					
50A	1	16	24	157	3768
50A	2	16	24	430	10320
50A	3	6.3	234	100	23400
50A	4	16	24	491	11784
50A	5	16	24	438	10512
P33					
50A	1	25	8	467	3736
50A	2	25	8	283	2264
50A	3	6.3	53	100	5300
50A	4	20	5	376	1880
50A	5	20	3	500	1500
50A	6	16	8	538	4304
50A	7	6.3	65	113	7345
50A	8	12.5	8	404	3232
50A	9	12.5	8	208	1664
60B	10	5	4	94	376
P34					
50A	1	25	8	467	3736
50A	2	25	8	283	2264
50A	3	6.3	27	103	2781
50A	4	20	3	376	1128
50A	5	20	7	500	3500
50A	6	6.3	26	103	2678
50A	7	20	2	562	1124
50A	8	20	2	562	1124
50A	9	20	2	438	876
50A	10	6.3	30	93	2790
50A	11	20	4	450	1800
50A	12	6.3	38	71	2698
50A	13	12.5	4	208	832
60B	14	5	2	94	188
P37					
50A	1	16	12	416	4992
50A	2	16	12	190	2280
50A	3	6.3	83	179	14857
50A	4	6.3	332	30	9960
50A	5	12.5	12	450	5400
50A	6	12.5	4	540	2160
50A	7	12.5	8	440	3520
50A	8	16	4	424	1696
50A	9	6.3	36	71	2556
50A	10	12.5	4	208	832
60B	11	5	2	94	188
P38					
50A	1	12.5	9	155	1395
50A	2	12.5	7	155	1085
50A	3	12.5	14	401	5614
50A	4	6.3	25	221	5525
50A	5	6.3	25	84	2100
50A	6	6.3	50	51	2550
50A	7	12.5	12	449	5388
50A	8	6.3	53	179	9487
50A	9	6.3	212	30	6360
50A	10	12.5	6	518	3108
50A	11	12.5	6	440	2640
50A	12	12.5	8	402	3216
50A	13	6.3	21	113	2373
P47					
50A	1	12.5	4	363	1452
50A	2	12.5	4	173	692
50A	3	6.3	109	71	7739
50A	4	12.5	4	469	1876
50A	5	10	4	501	2004
50A	6	10	4	286	1144
60B	7	5	4	94	188
P38					
50A	1	12.5	8	208	1664
50A	2	6.3	14	113	1582
60B	3	5	4	94	376

RESUMO AÇO CA 50-60

AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	13	2
50A	6.3	1121	280
50A	10	31	20
50A	12.5	458	458
50A	16	497	794
50A	20	129	323
50A	25	120	480
Peso Total	60B =		2 kg
Peso Total	50A =		2356 kg

REV.	MODIFICACAO	DESENHO	DATA
04			/ /
03			/ /
02			/ /
01	Revis=o Geral - Substitui-=o Relat-rio de Sondagem		17/07/14
00	EMISSAO INICIAL		/ /

RAL ENGENHARIA
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e-mail: ral_eng@ig.com.br
Tel.: (11) 3694-6726
Nextel : (11) 7746-0117
ID : 11*89976

CONCRETO
Tck = 30 Mpa

fc 28 =	- NBI 78 - 8.3.1.2 - a	SOBRECARGA PREVISTA
fc 28 =	- NBI 78 - 8.3.1.2 - b	500 kgf/m2
fc 28 =	- NBI 78 - 8.3.1.2 - c	

OBRA N°: 1199
DES. N°: 230
REV. N°: 01

CLIENTE
TRIBUNAL DE CONTAS DO ESTADO DE SëO PAULO

OBRA
Av Dr. Ariberto Pereira da Cunha, 1302 - Guaratinguets

TITULO
Arma-«o de Pilares 1/2

P2 / P33 / P34 / P37 / P38 / P47

DATA	ESCALA	DESENHO	VERIF.	COORD.	RESP.
17/07/2014	1:20				Roberto A.Lima

Formato A1-L