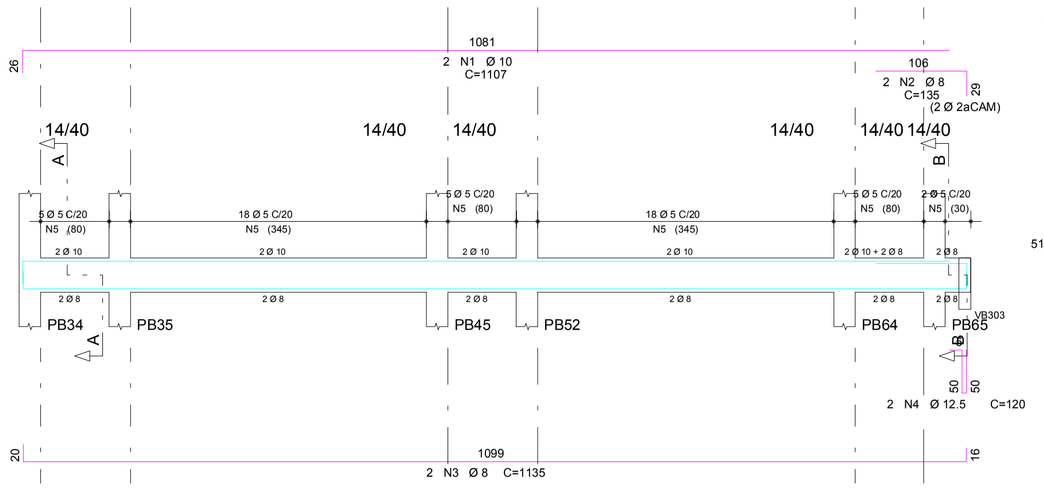
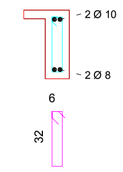
VB306

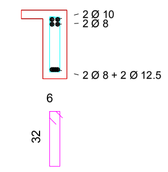


Corte A



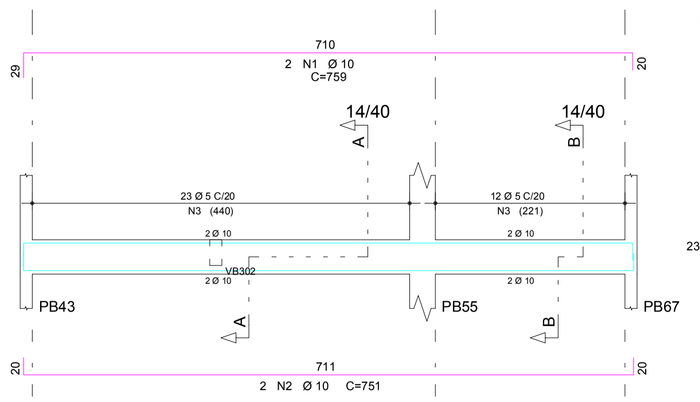
51 N5 Ø 5 C=90

Corte B

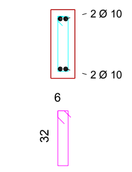


2 N5 Ø 5 C=90

VB304

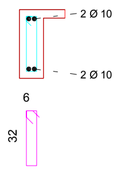


Corte A



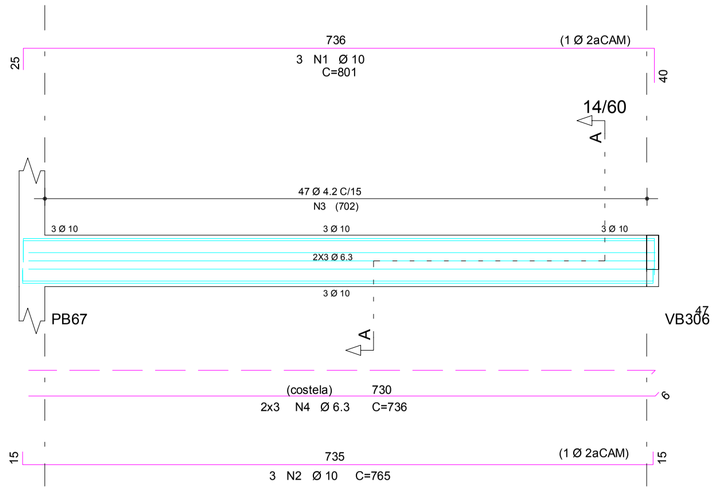
23 N3 Ø 5 C=90

Corte B

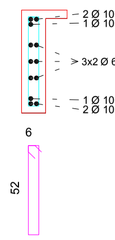


12 N3 Ø 5 C=90

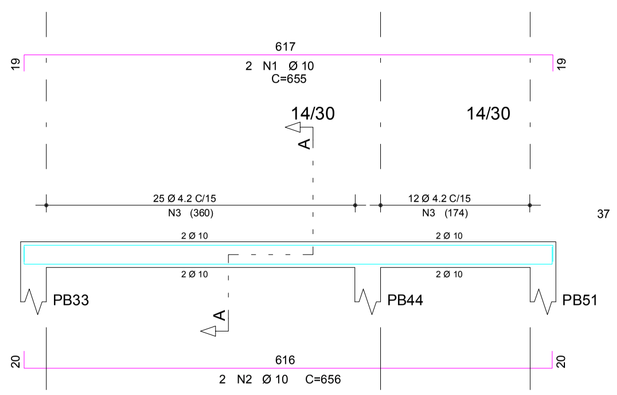
VB303



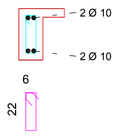
Corte A



VB305

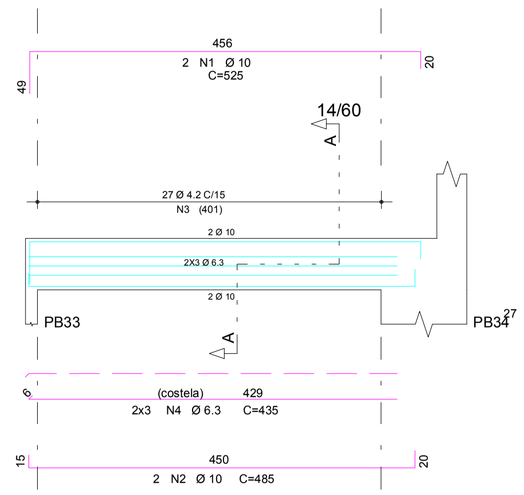


Corte A



37 N3 Ø 4.2 C=70

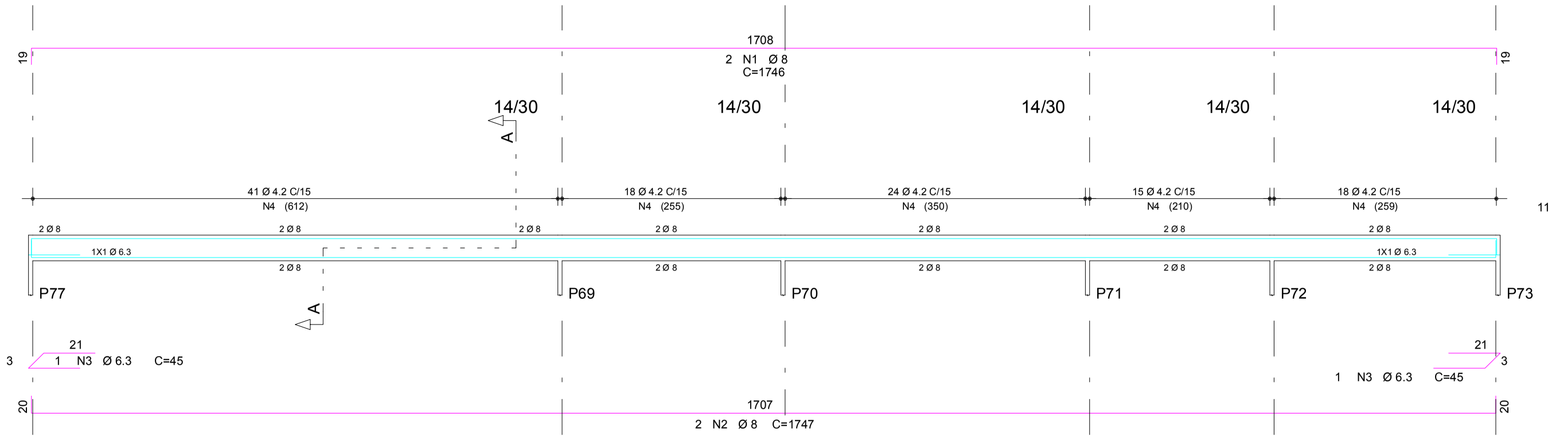
VB301



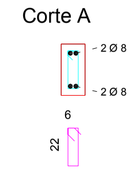
Corte A

27 N3 Ø 4.2 C=130

VB402

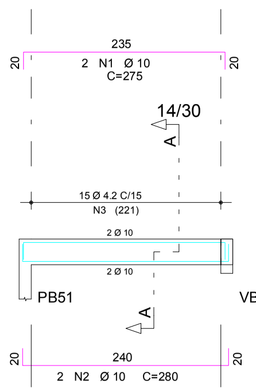


Corte A



116 N4 Ø 4.2 C=70

VB302



Corte A

15 N3 Ø 4.2 C=70

	AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
VB301						
	50A	1	10	2	525	1050
	50A	2	10	2	485	970
	60B	3	4.2	27	130	3510
	50A	4	6.3	6	435	2610
VB302						
	50A	1	10	2	275	550
	50A	2	10	2	280	560
	60B	3	4.2	15	70	1050
VB303						
	50A	1	10	3	801	2403
	50A	2	10	3	765	2295
	60B	3	4.2	47	130	6110
	50A	4	6.3	6	736	4416
VB304						
	50A	1	10	2	759	1518
	50A	2	10	2	751	1502
	60B	3	5	35	90	3150
VB305						
	50A	1	10	2	655	1310
	50A	2	10	2	656	1312
	60B	3	4.2	37	70	2590
VB306						
	50A	1	10	2	1107	2214
	50A	2	8	2	135	270
	50A	3	8	2	1135	2270
	50A	4	12.5	2	120	240
	60B	5	5	53	90	4770
VB407						
	50A	1	8	2	1746	3492
	50A	2	8	2	1747	3494
	50A	3	6.3	2	45	90
	60B	4	4.2	116	70	8120

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60B	4.2	214	23
60B	5	79	13
50A	6.3	71	18
50A	8	95	38
50A	10	157	99
50A	12.5	2	2
Peso Total	60B =		36 kg
Peso Total	50A =		157 kg

PROJESUL
Assessoria e Projetos Técnicos LTDA

PROJETO ESTRUTURAL

OBRA N.º 0001

CLIENTE
PREFEITURA MUNICIPAL DE MATINHOS

DES. N.º 26/53

OBRA
UNIDADE DE PRONTO ATENDIMENTO 24H

TITULO
VB301 / VB302 / VB303
VB304 / VB305 / VB306
VB407

CALCULISTA
MARCEL CASSANDRI ROMERO FARINHA
ENGENHEIRO CIVIL
CREA 127502/D-PR

PREFEITURA M. DE MATINHOS
CNPJ: 76.017.466/0001-61

REV. N.º 00

DATA	ESCALA	FCK	DESENHO
07/01/2014		30MPa	ENG MARCEL FARINHA