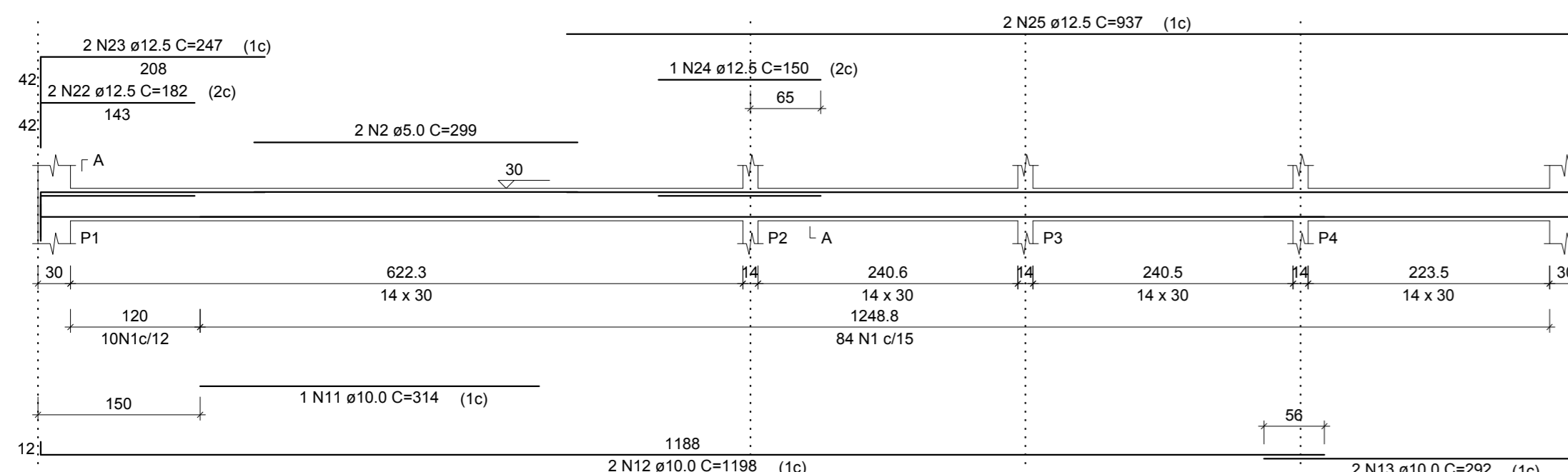
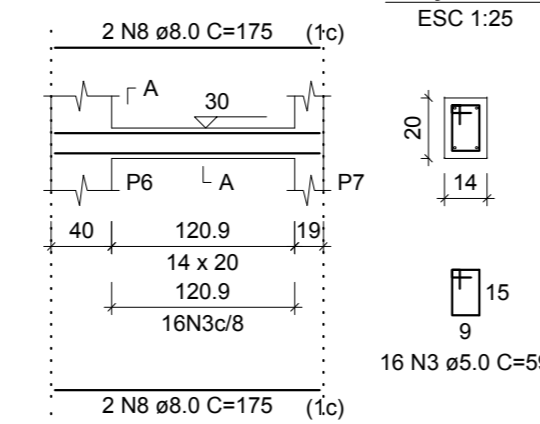


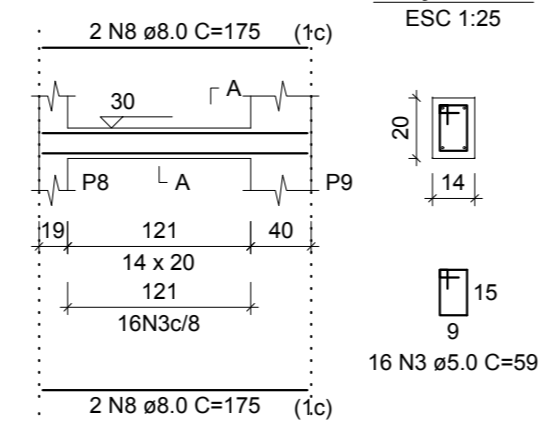
V1  
ESC 1:50



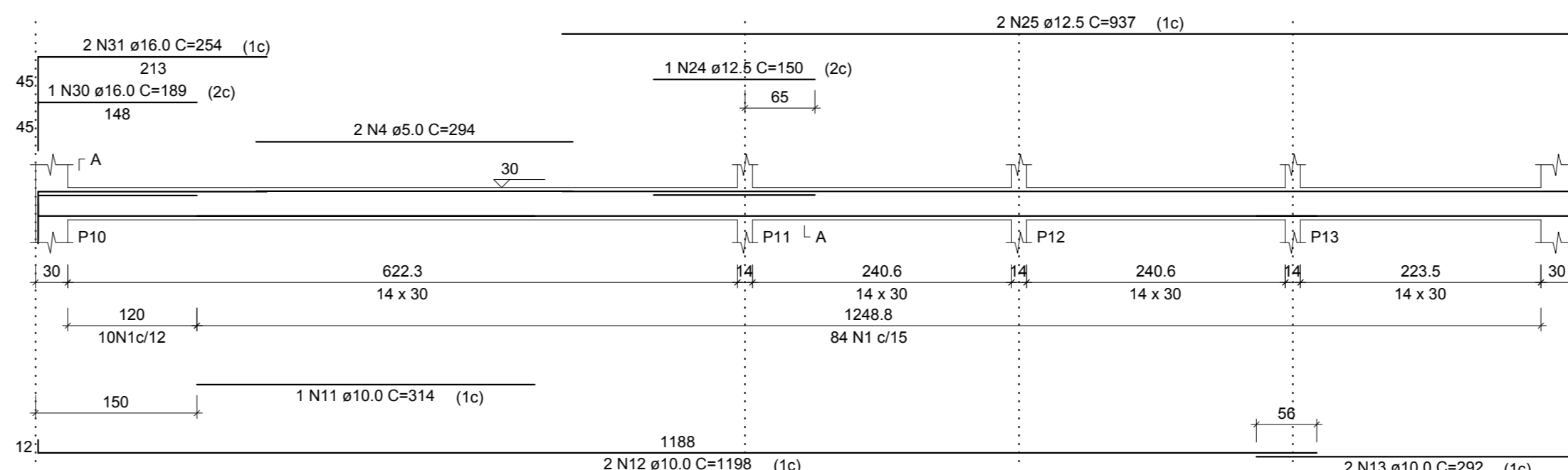
V2  
ESC 1:50



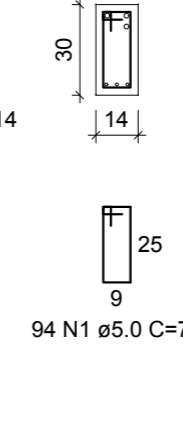
V3  
ESC 1:50



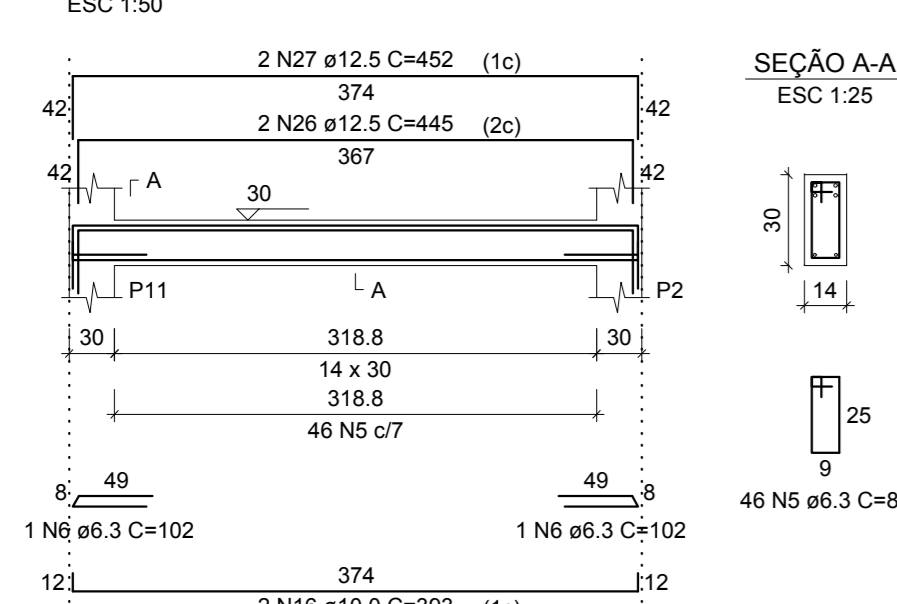
V4  
ESC 1:50



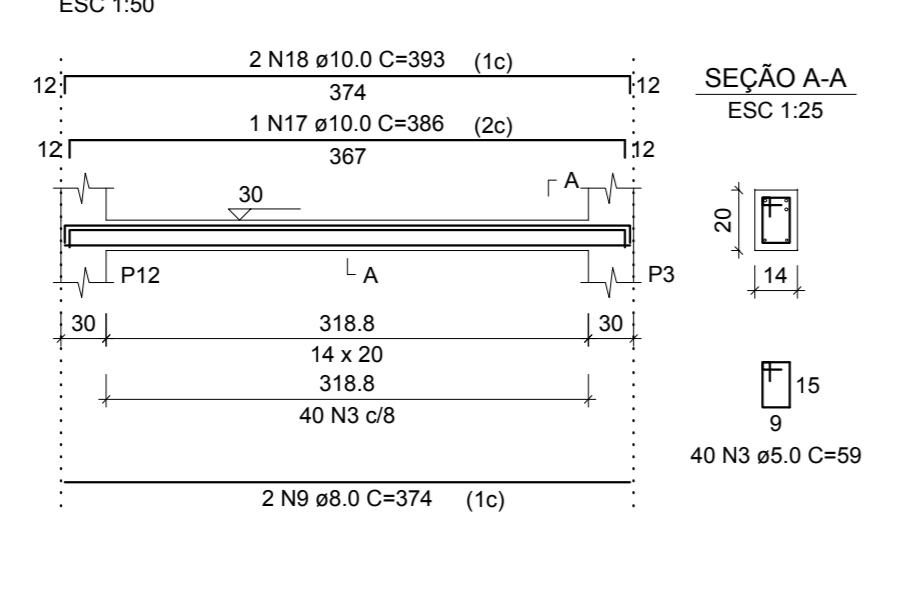
SEÇÃO A-A  
ESC 1:25



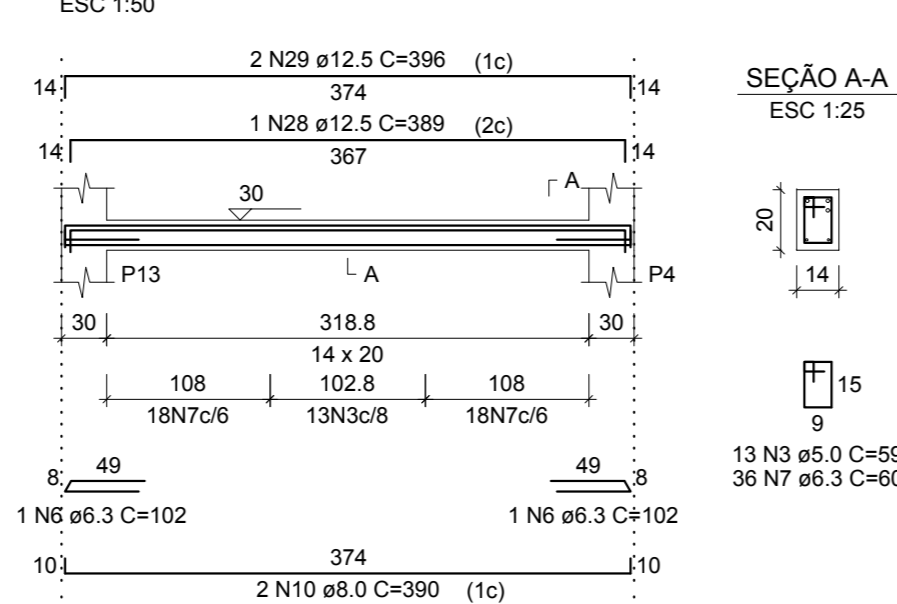
V6  
ESC 1:50



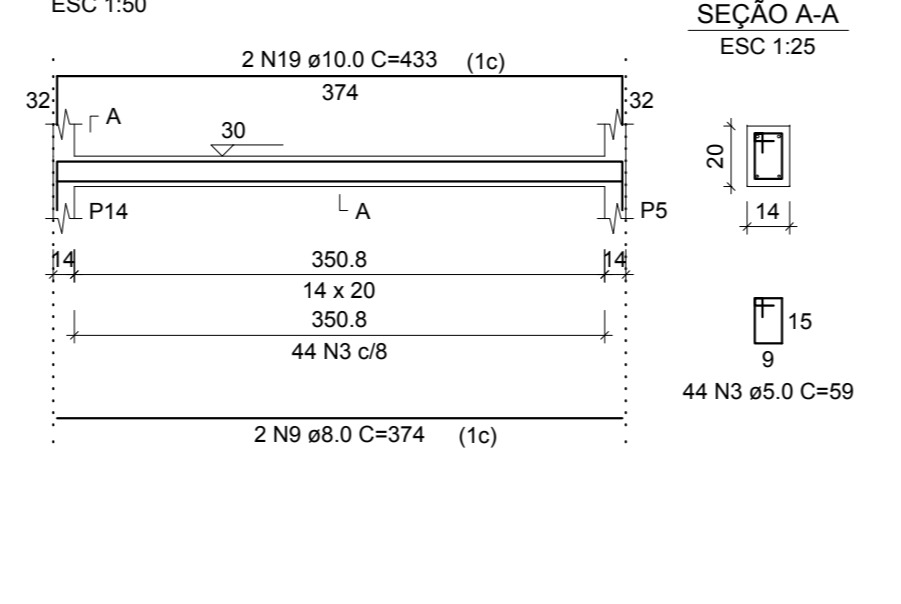
V7  
ESC 1:50



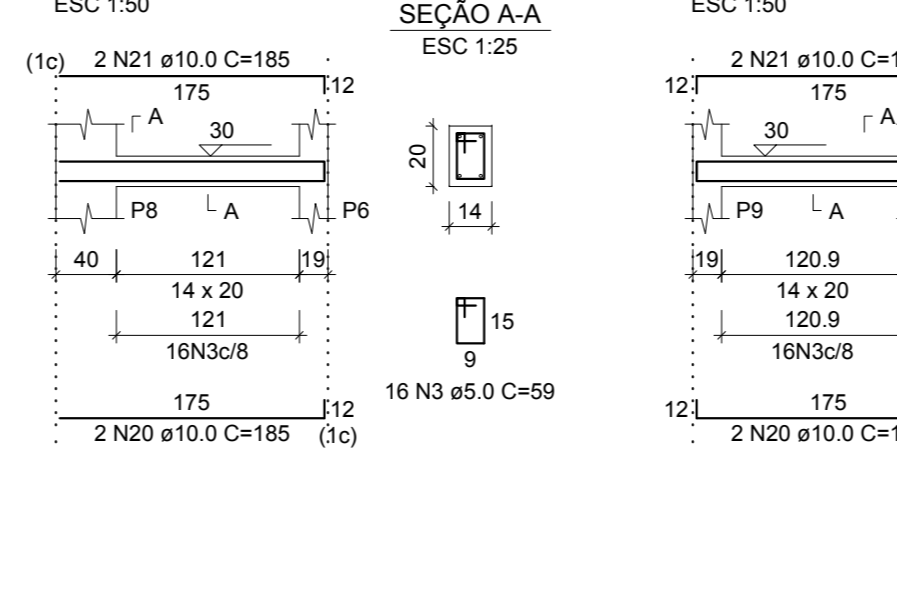
V8  
ESC 1:30



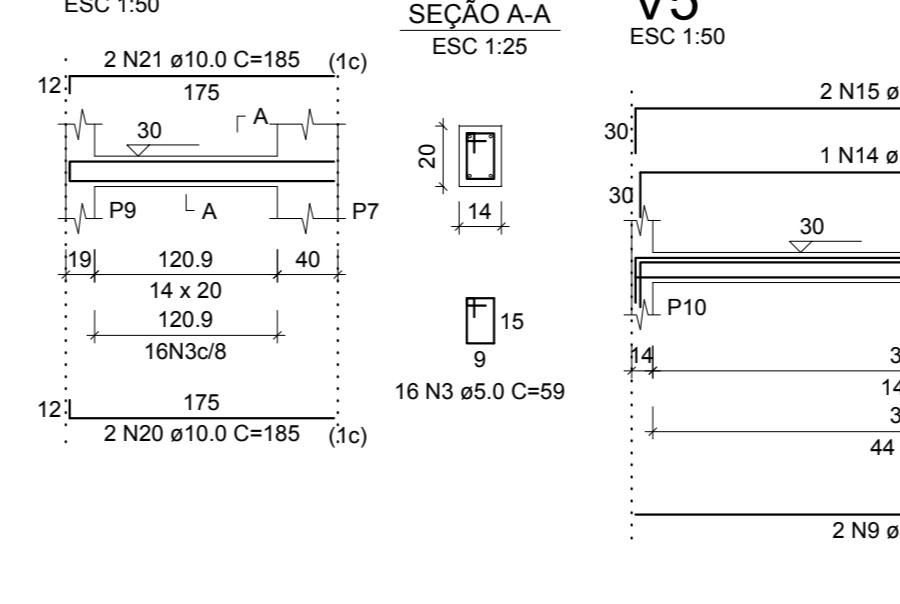
V9  
ESC 1:50



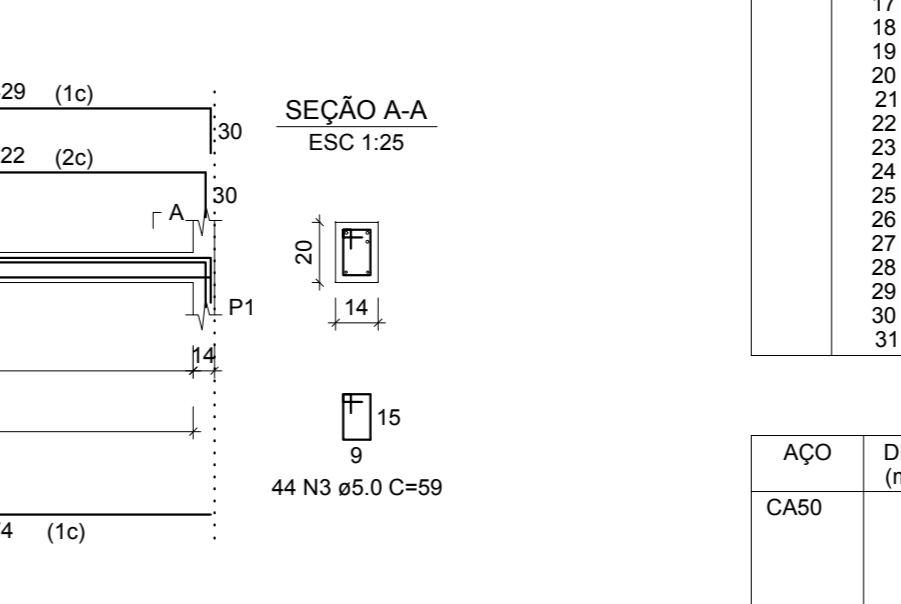
V10  
ESC 1:50



V11  
ESC 1:25



V5  
ESC 1:50



RELAÇÃO DO AÇO


CAO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CAO0	1	5.0	75	1452	
	2	5.0	299	598	
	3	5.0	205	59	12055
	4	5.0	2	294	588
	5	6.3	4	102	408
	6	6.3	4	102	408
	7	6.3	39	60	2160
	8	8.0	8	175	1400
	8	8.0	8	175	1400
	10	8.0	2	390	780
	11	10.0	2	374	748
	12	10.0	4	1198	4792
	13	10.0	2	374	748
	14	10.0	1	422	422
	15	10.0	2	429	858
	15	10.0	2	393	786
	17	10.0	1	386	386
	18	10.0	2	393	786
	19	10.0	2	433	866
	20	10.0	4	185	740
	21	10.0	4	185	740
	22	12.5	2	182	364
	23	12.5	2	147	294
	24	12.5	2	150	300
	25	12.5	4	107	428
	26	12.5	2	445	890
	27	12.5	2	452	904
	28	12.5	1	369	369
	29	12.5	2	396	792
	30	16.0	1	189	189
	31	16.0	2	254	508

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CAO0	6.3	62.5	16.8
	8.0	44.2	19.2
	10.0	121.7	82.5
	12.5	78.9	83.5
	16.0	7	12.1
CAO0	5.0	281.3	47.7

PESO TOTAL (kg)  
CAO 214.2  
CAO0 47.7

Volume de concreto (C-30) = 1.99 m³  
Área de forma = 36.02 m²



**PREFEITURA MUNICIPAL DE BOMBINHAS**  
ASSESSORIA DE PLANEJAMENTO E URBANISMO  
SISTEMA DE TRATAMENTO DE ÁGUA  
RUA MARIQUITA - BOMBAS

ARQUIVO

DATA: 22/02/2007

DESENHO: RAUL MATIUS

PROJETO ESTRUTURAL - VIGAS FUNDAÇÃO

ESCALA: PRANCHETA  
08/08