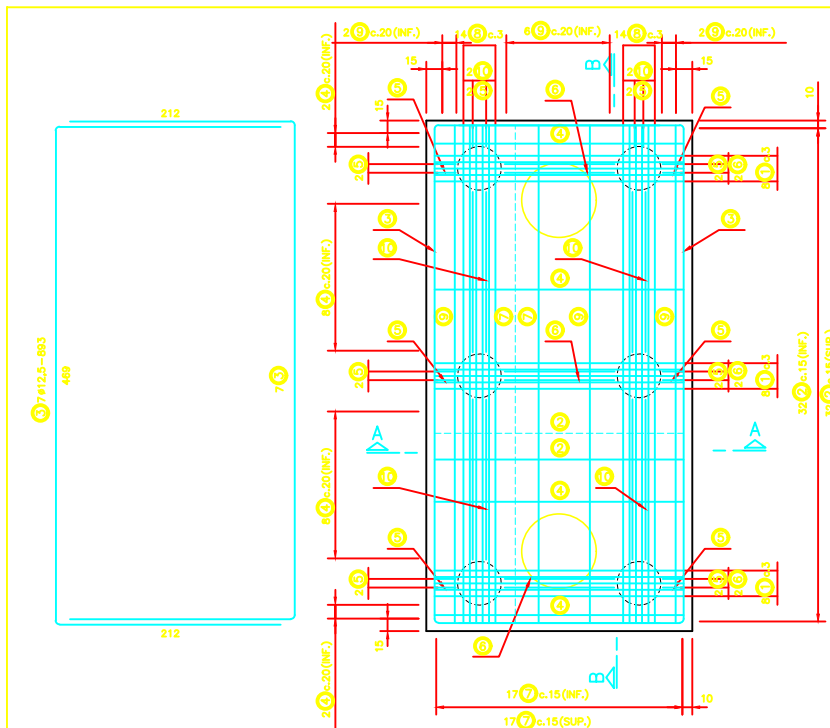
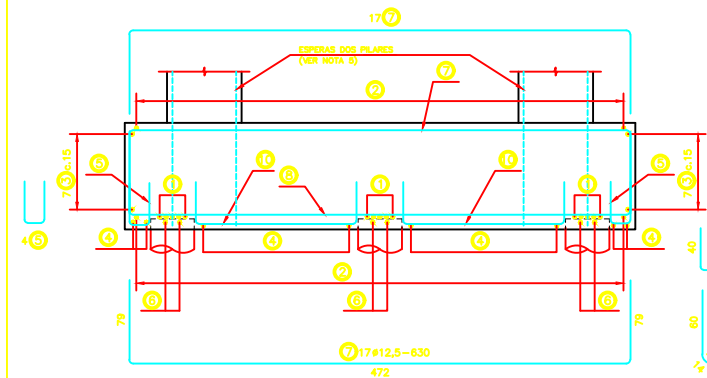
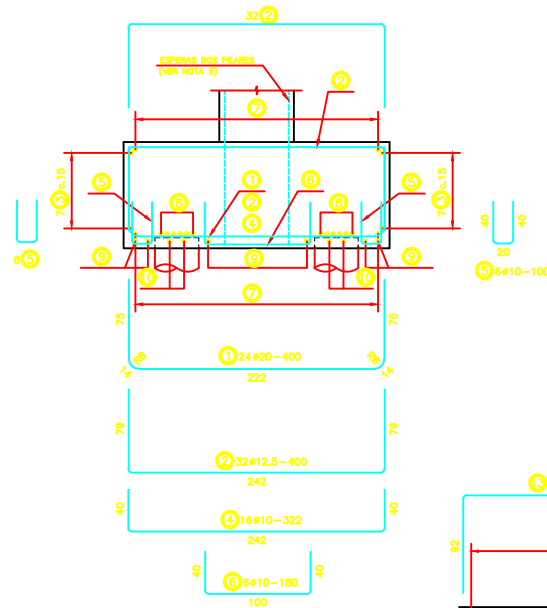




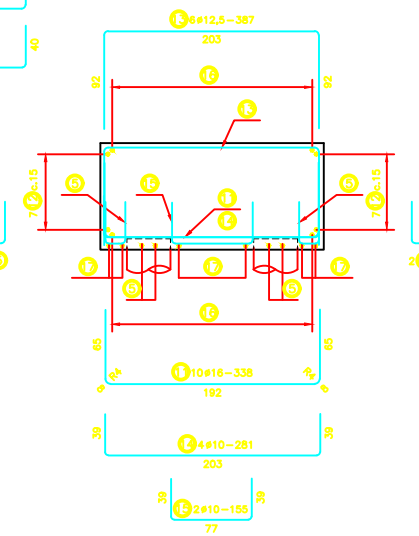
B1=B2 (2x) -- PLANTA
ESC 1:25



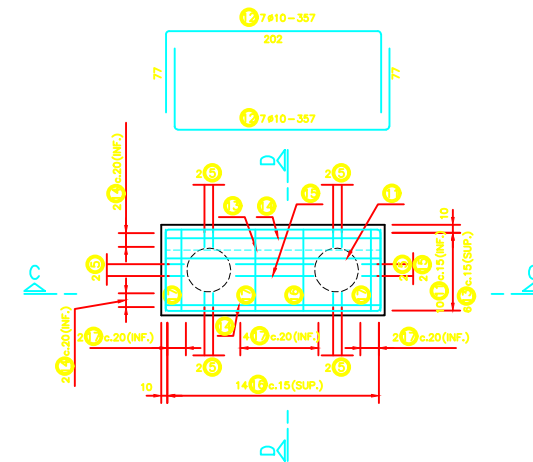
CORTE B -- B
ESC 1:25



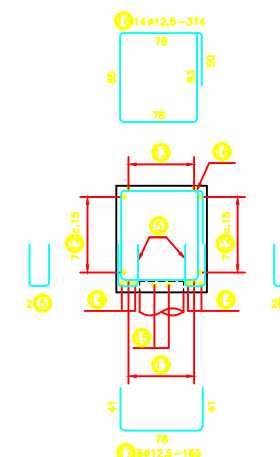
CORTE A -- A
ESC 1:25



CORTE C -- C
ESC 1:25



BL1=BL2=BL3=BL6=BL7=BL8 (6x) -- PLANTA
ESC 1:25



CORTE D -- D
ESC 1:25

RESUMO AÇO				
Aço	φ	TOT.(m)	kg/m	MASSA (kg)
CASO 20	20	528	2,4680	1302
CASO 16	16	203	1,5780	320
CASO 12,5	12,5	1721	0,9830	1687
CASO 10	10	746	0,6170	460
TOTAL (kg)				3739

TABELA DE FERROS				
N	Aço	φ	Q	UNIT. (m)
1	CASO 20	20	48	400
2	CASO 12,5	12,5	128	400
3	CASO 10	10	32	322
4	CASO 10	10	88	100
5	CASO 10	10	12	180
6	CASO 12,5	12,5	68	630
7	CASO 20	20	56	600
8	CASO 10	10	20	552

Lista de Barras (continuação)				
N	Aço	Diâm. (mm)	Quant.	C. Unit. (m)
10	CASO 10	10	16	232
11	CASO 16	16	60	338
12	CASO 10	10	84	357
13	CASO 12,5	12,5	36	387
14	CASO 10	10	24	281
15	CASO 10	10	12	155
16	CASO 12,5	12,5	84	374
17	CASO 12,5	12,5	48	160

NOTAS:

- 1- MEDIDAS EM CENTÍMETRO, BÓLAS EM MILÍMETRO;
- 2- CONCRETO - RESISTENTE A SULFATO;
- 3- O COMENTÁRIO MÍNIMO DAS BARRAS B1-B2= 4cm; B2-B3=3cm; B3-B4=3cm; B4-B5=3cm; B5-B6=3cm; B6-B7=3cm; B7-B8=3cm; B8-B9=3cm; B9-B10=3cm; B10-B11=3cm; B11-B12=3cm; B12-B13=3cm; B13-B14=3cm; B14-B15=3cm; B15-B16=3cm; B16-B17=3cm; B17-B18=3cm; B18-B19=3cm; B19-B20=3cm; B20-B21=3cm; B21-B22=3cm; B22-B23=3cm; B23-B24=3cm; B24-B25=3cm; B25-B26=3cm; B26-B27=3cm; B27-B28=3cm; B28-B29=3cm; B29-B30=3cm; B30-B31=3cm; B31-B32=3cm; B32-B33=3cm; B33-B34=3cm; B34-B35=3cm; B35-B36=3cm; B36-B37=3cm; B37-B38=3cm; B38-B39=3cm; B39-B40=3cm; B40-B41=3cm; B41-B42=3cm; B42-B43=3cm; B43-B44=3cm; B44-B45=3cm; B45-B46=3cm; B46-B47=3cm; B47-B48=3cm; B48-B49=3cm; B49-B50=3cm; B50-B51=3cm; B51-B52=3cm; B52-B53=3cm; B53-B54=3cm; B54-B55=3cm; B55-B56=3cm; B56-B57=3cm; B57-B58=3cm; B58-B59=3cm; B59-B60=3cm; B60-B61=3cm; B61-B62=3cm; B62-B63=3cm; B63-B64=3cm; B64-B65=3cm; B65-B66=3cm; B66-B67=3cm; B67-B68=3cm; B68-B69=3cm; B69-B70=3cm; B70-B71=3cm; B71-B72=3cm; B72-B73=3cm; B73-B74=3cm; B74-B75=3cm; B75-B76=3cm; B76-B77=3cm; 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