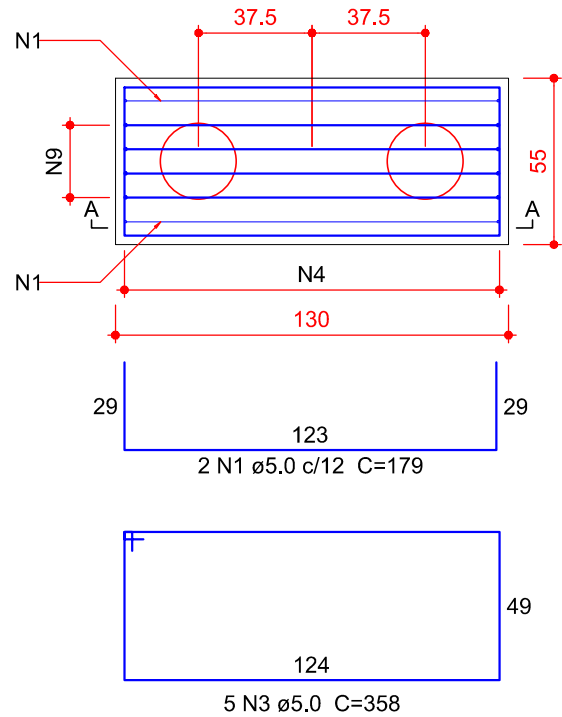
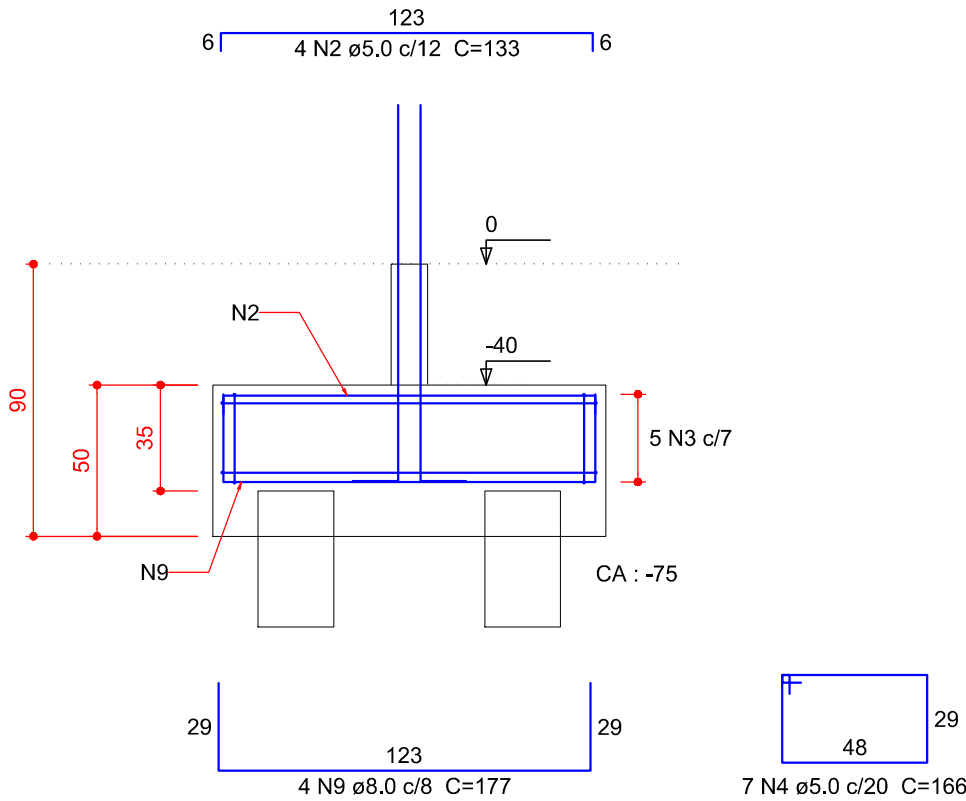


B43
2xR25
PLANTA
ESC 1:25

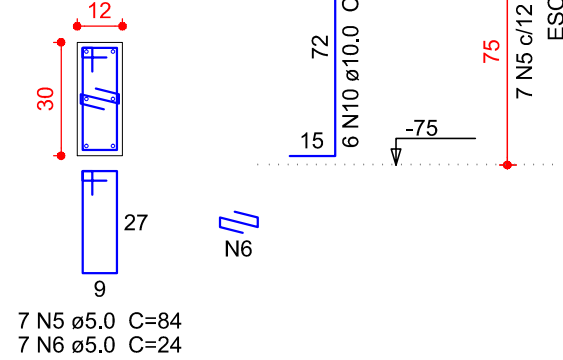


CORTE A-A
ESC 1:25



P43

BALDRAME - L1
ESC 1:20



Relação do aço

41xB39 B43 34xP1
3xP5 3xP28 P42
P43

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	179	358
	2	5.0	4	133	532
	3	5.0	5	358	1790
	4	5.0	7	166	1162
	5	5.0	294	84	24696
	6	5.0	266	24	6384
	7	5.0	246	208	51168
CA50	8	6.3	82	216	17712
	9	8.0	4	177	708
	10	10.0	6	123	738
	11	10.0	240	128	30720
	12	10.0	18	88	1584

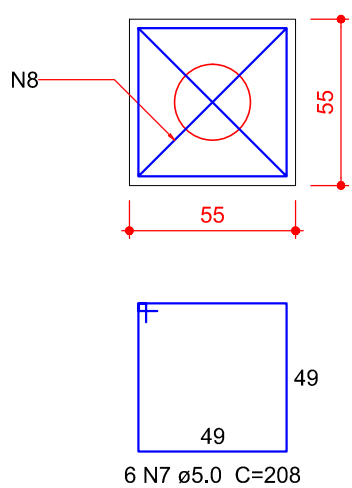
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	6.3	177.2	43.3
	8.0	7.1	2.8
	10.0	330.5	203.7
CA60	5.0	860.9	132.7
PESO TOTAL (kg)			
CA50	249.9		
CA60	132.7		

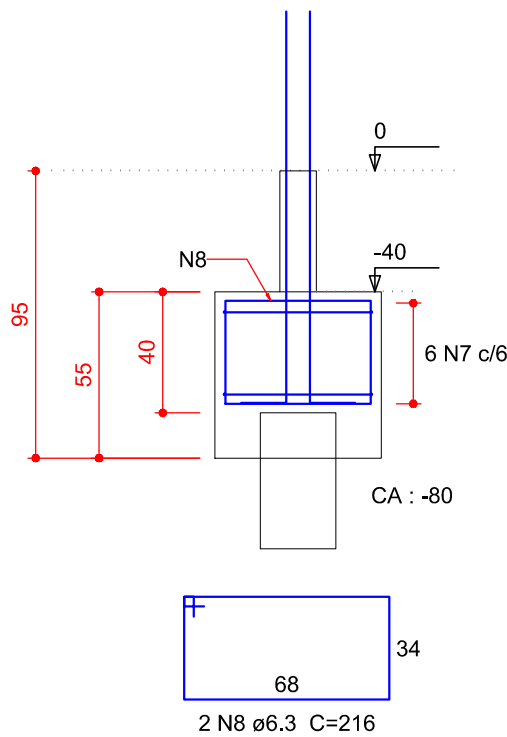
Volume de concreto (C-20) = 6.86 m³
Volume de concreto (C-25) = 1.21 m³
Área de forma = 79.64 m²

B1=B2=B3=B4=B5=B6=B7=B8=B10=B11=B12=B13
=B14=B15=B16=B17=B18=B19=B20=B21=B22
=B23=B24=B25=B26=B27=B28=B29=B30=B31
=B32=B33=B34=B35=B36=B37=B38=B39=B40
=B41=B42
1xR25

PLANTA
ESC 1:25

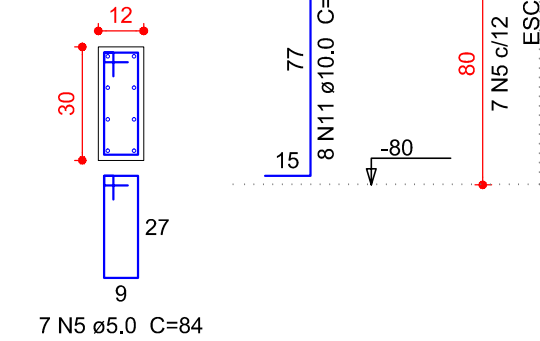


CORTE
ESC 1:25



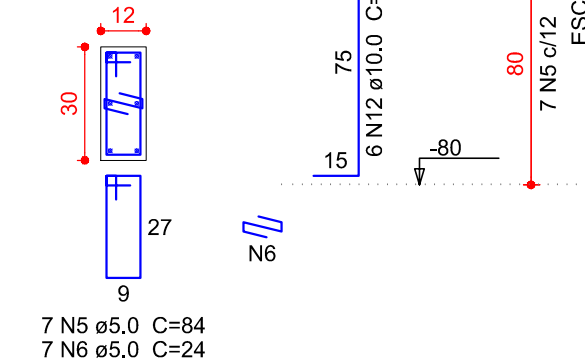
P5=P34=P39

BALDRAME - L1
ESC 1:20



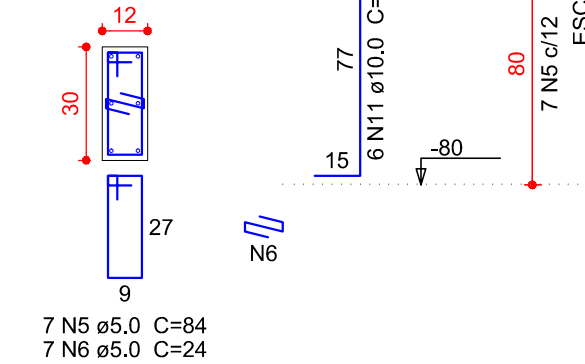
P28=P37=P40

BALDRAME - L1
ESC 1:20



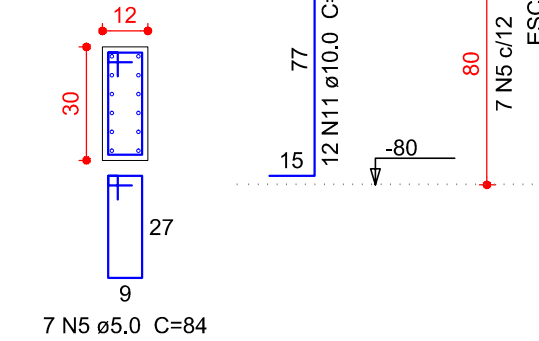
P1=P2=P3=P4=P6=P7=
=P8=P10=P11=P12=P13=
=P14=P15=P16=P17=
=P18=P19=P20=P21=
=P22=P23=P24=P25=
=P26=P27=P29=P30=
=P31=P32=P33=P35=
=P36=P38=P41

BALDRAME - L1
ESC 1:20



P42

BALDRAME - L1
ESC 1:20



PREFEITURA MUNICIPAL DE FRANCISCO BELTRÃO

DEPARTAMENTO DE ENGENHARIA

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE FRANCISCO BELTRÃO	MUNICÍPIO: FRANCISCO BELTRÃO - PR		
OBRA: Centro Público de Convivência	ÁREA TOTAL 266,90m²	QUADRA: 1357	LOTE: 01,03,05,07,09
LOCAL: Rua Felice Manfroi	TIPO: CONSTRUÇÃO		
ENG. ANDERSON MARIOTTI CREA/PR - 72.036/D AUTOR DO PROJETO	PROJETO: ESTRUTURAL		
ENG. CARLOS EDUARDO G. PERIN CREA/PR - 74.607/D RESPONSÁVEL TÉCNICO	REFERÊNCIA: ARMADURA BLOCOS DE FUNDAÇÃO		
	DESENHO: C. E. GNOATTO PERIN - EIRELI - ME	ANDERSON	EST 06 11
	CNPJ : 17.607.165/0001-29	DATA: 03/2017	
	ENDEREÇO : RUA FERNANDO FERRARI, 705 - ITAPEJARA D'OESTE - PR	ESCALA DO DESENHO: INDICADA	
	FONE: (040) 9979 - 2900 - pregenharia@debras@gmail.com	ARQUIVO: Projeto Estrutural Convivência Idosos.dwg	