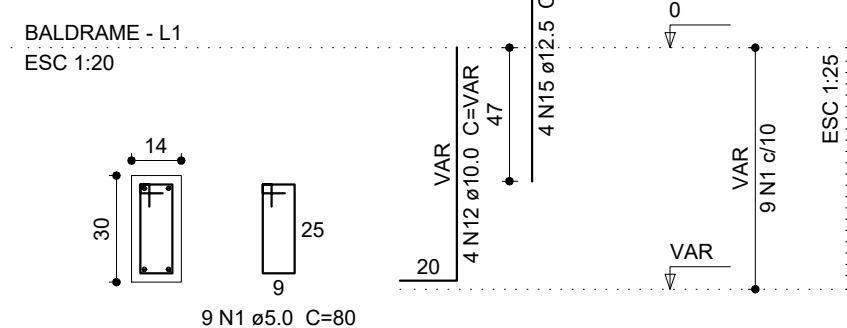
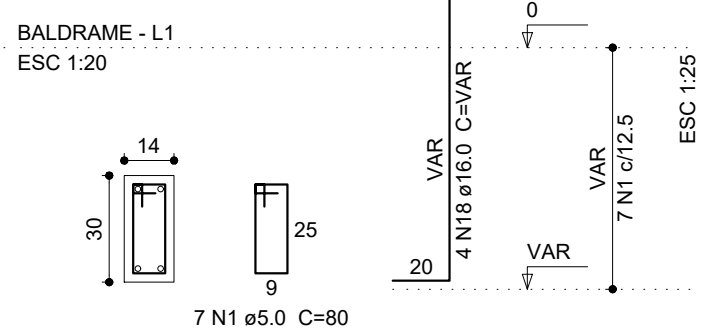


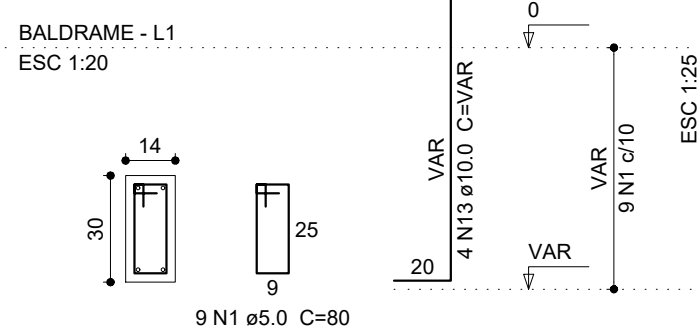
P11



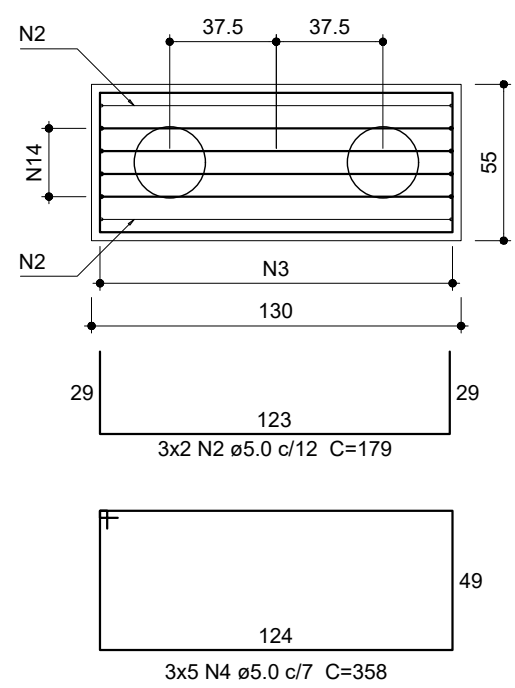
P18



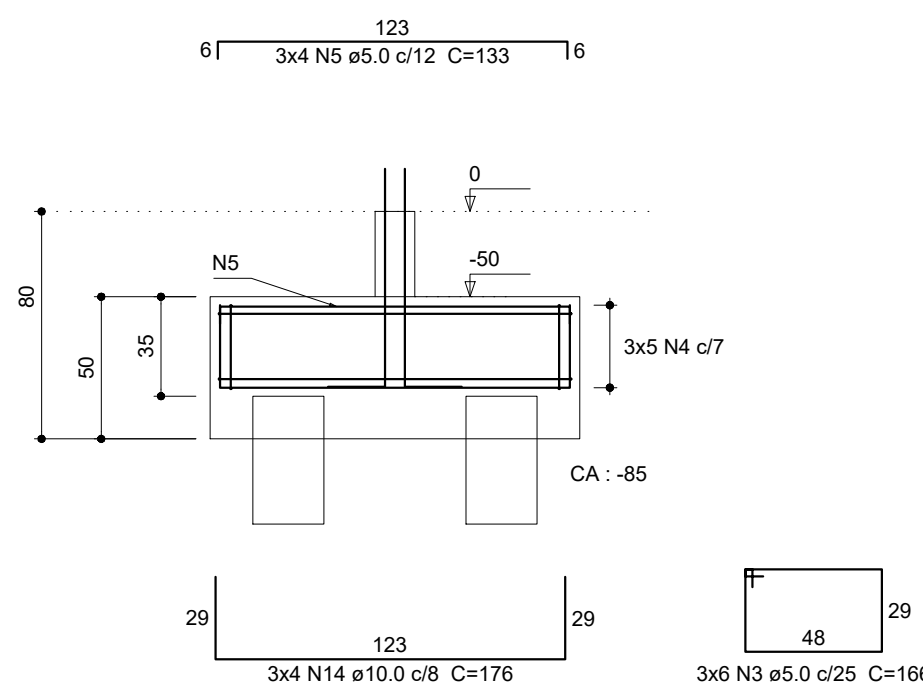
P34



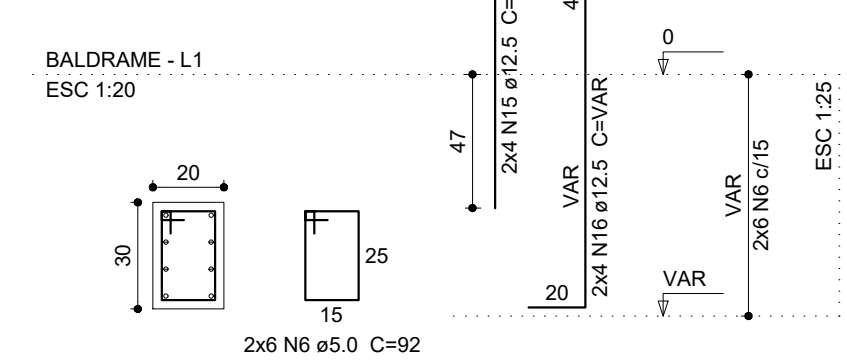
B11=B18=B34
2xC25
PLANTA
ESC 1:25



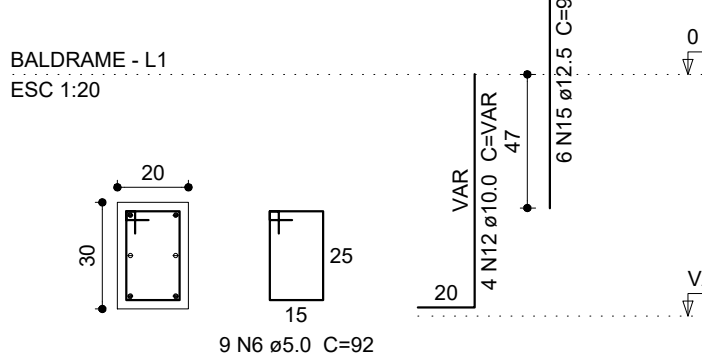
CORTE
ESC 1:25



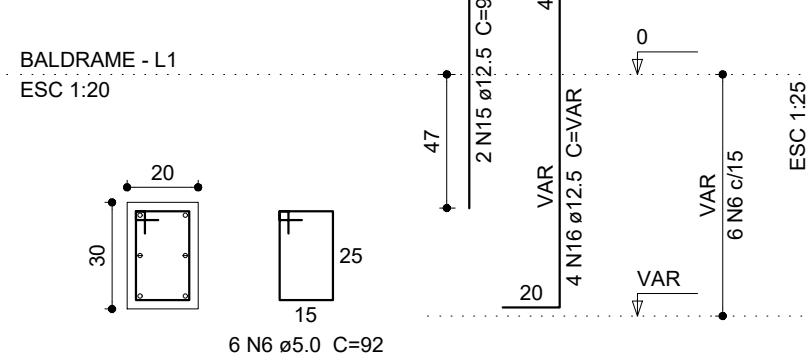
P17=P19



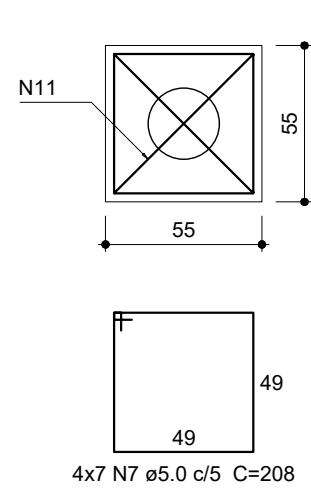
P4



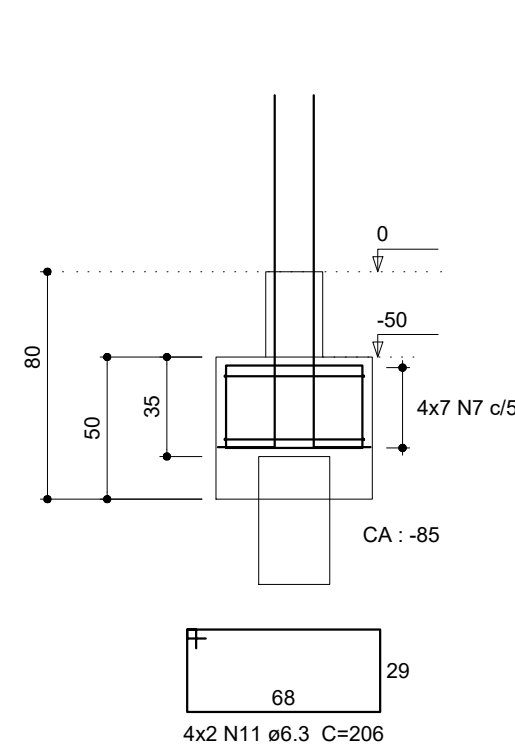
P6



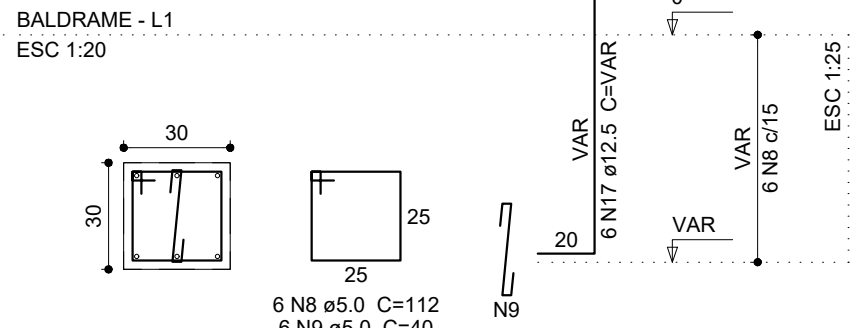
B4=B6=B17=B19
1xC25
PLANTA
ESC 1:25



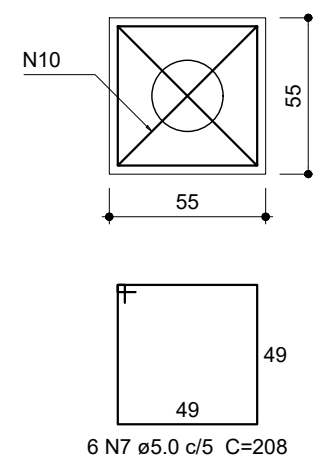
CORTE
ESC 1:25



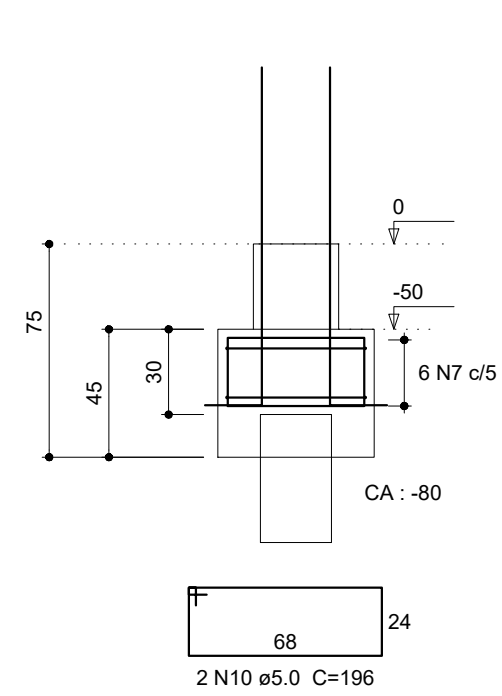
P7



B7
1xC25
PLANTA
ESC 1:25



CORTE
ESC 1:25



Relação do aço

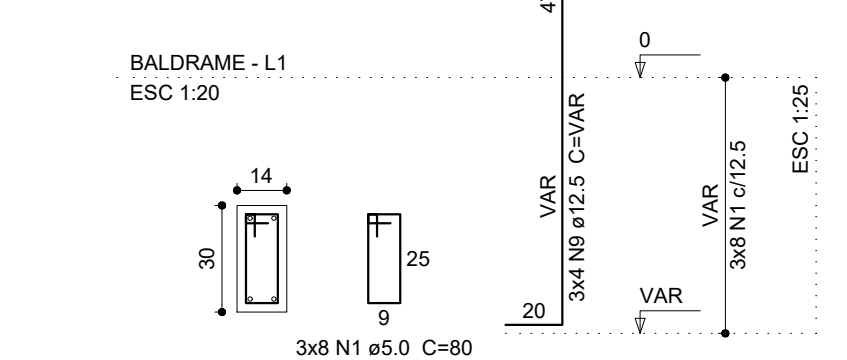
ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	25	80	2000
	2	5.0	6	179	1074
	3	5.0	18	166	2988
	4	5.0	15	358	5370
	5	5.0	12	133	1596
	6	5.0	27	92	2484
	7	5.0	34	208	7072
	8	5.0	6	112	672
	9	5.0	6	40	240
CA50	10	5.0	2	196	392
	11	6.3	8	206	1648
	12	10.0	8	VAR	VAR
	13	10.0	4	VAR	VAR
	14	10.0	12	176	2112
	15	12.5	20	94	1880
	16	12.5	12	VAR	VAR
	17	12.5	6	VAR	VAR
	18	16.0	4	VAR	VAR

Resumo do aço

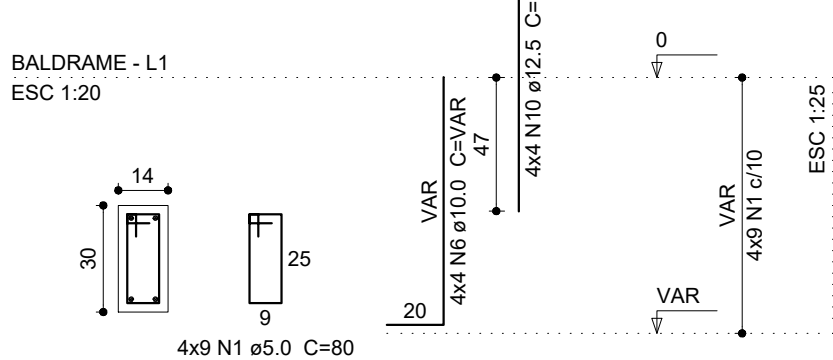
ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	16.5	4.4
	10.0	34.8	23.6
	12.5	45.4	48
	16.0	6.5	11.2
CA60	5.0	238.9	40.5
PESO TOTAL (kg)			
CA50		87.2	
CA60		40.5	

Volume de concreto (C-25) = 2.12 m³

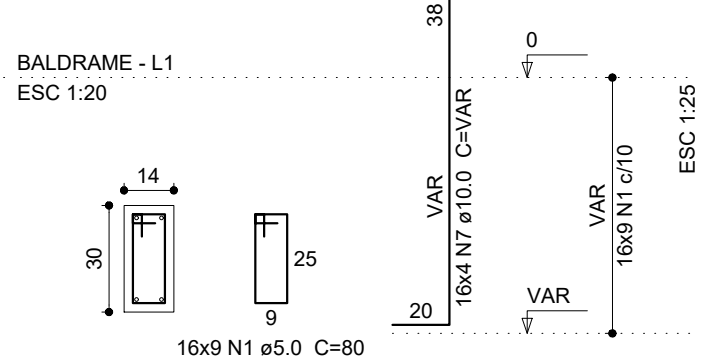
P8=P16=P23



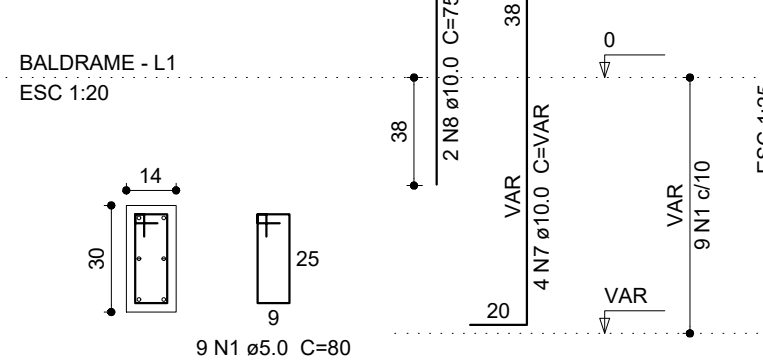
P1=P2=P20=P25



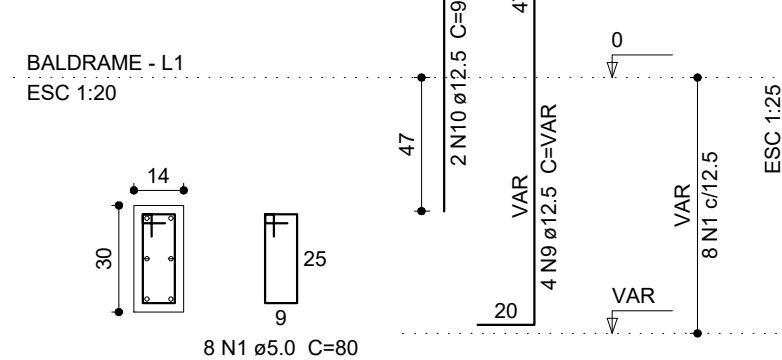
P9=P10=P12=P13=P14=P15=P21=P22=P24=P27
=P28=P29=P30=P31=P32=P33



P26



P3



Relação do aço

ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	230	80	18400
	2	5.0	8	100	800
	3	5.0	8	24	192
	4	5.0	189	208	39312
	5	6.3	54	216	11664
CA50	6	10.0	20	VAR	VAR
	7	10.0	68	VAR	VAR
	8	10.0	2	75	150
	9	12.5	16	VAR	VAR
	10	12.5	18	94	1692
	11	12.5	6	VAR	VAR
	12	16.0	6	121	728

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	116.7	31.4
	10.0	121.8	82.6
	12.5	47.8	50.7
	16.0	7.3	12.6
CA60	5.0	587.1	99.5
PESO TOTAL (kg)			
CA50		177.2	
CA60		99.5	

Volume de concreto (C-25) = 5.33 m³

PREFEITURA MUNICIPAL DE SÃO CARLOS
SECRETARIA MUNICIPAL DE OBRAS PÚBLICAS

Projeto:	ENG. WONG	Outubro/2019
Desenho:		O
Art de Obra ou Serviço	Edificação: CENTRO DE REFERÊNCIA DE ASSISTÊNCIA SOCIAL - CRAS	Escala: INDICADAS
Voto:	Projeto: FUNDAÇÕES	Desenho Nº: E-03/10
	Título do Trabalho: ARMAÇÃO DE BLOCOS	