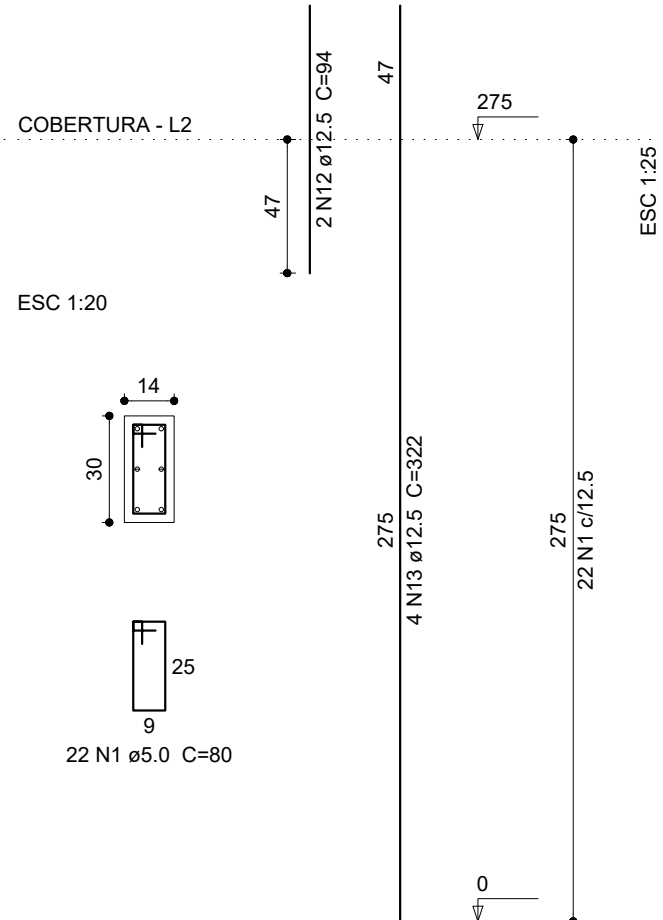
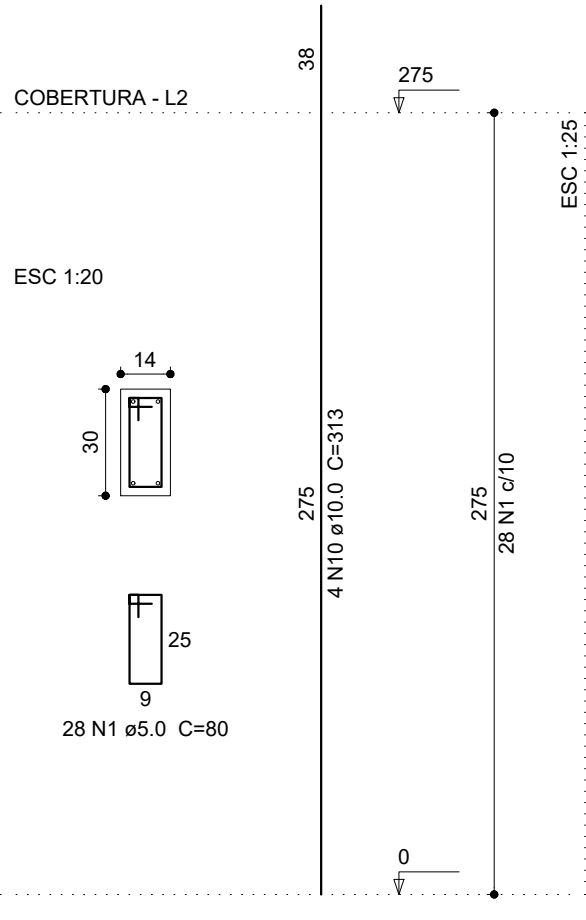


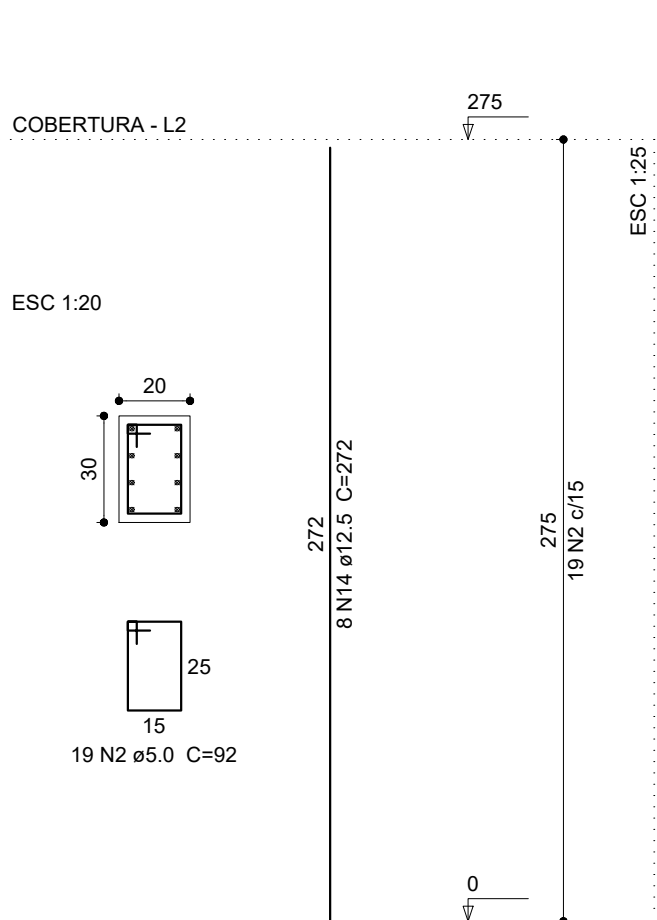
P1=P2=P11



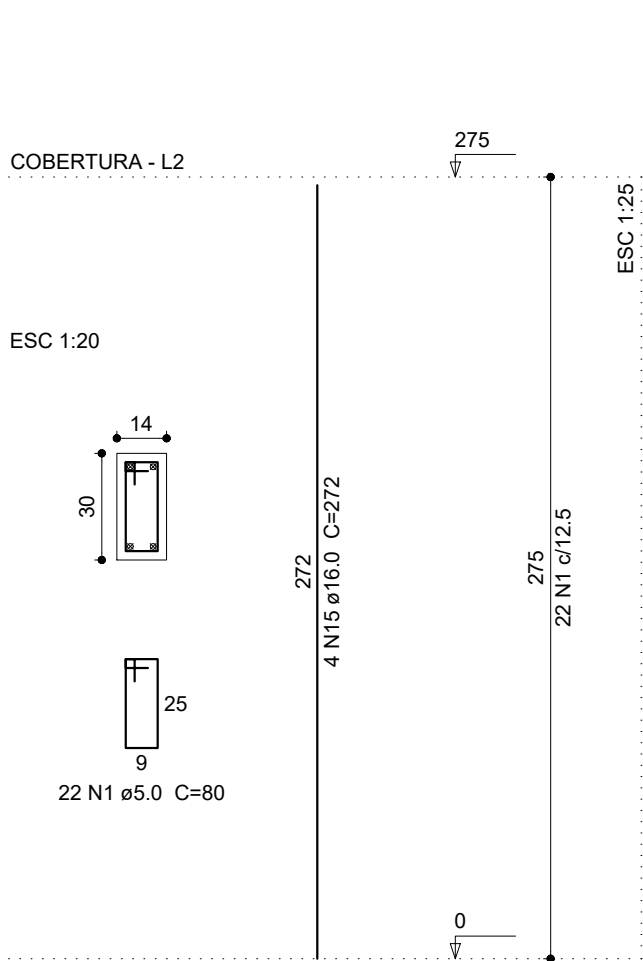
P10



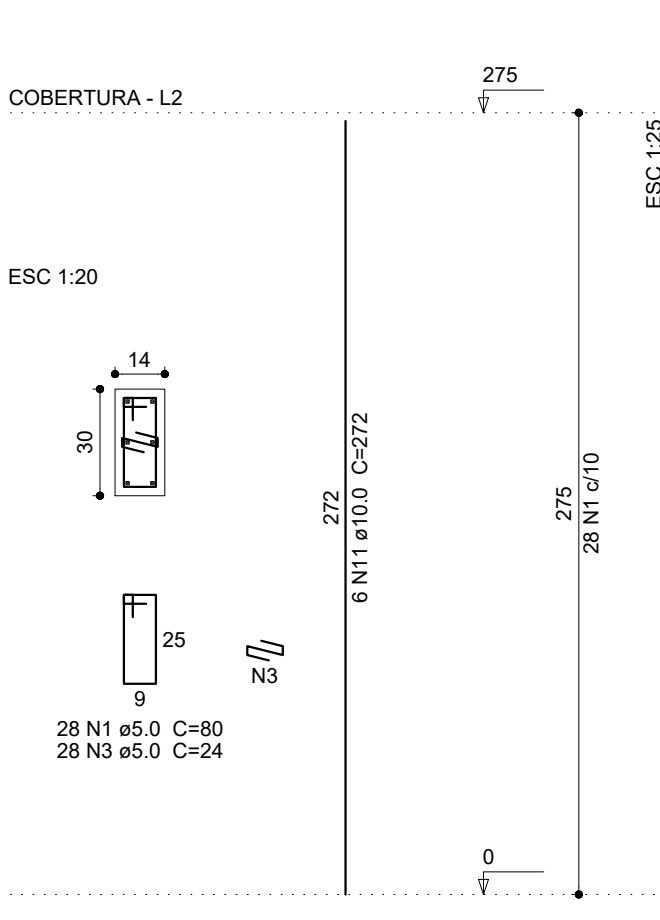
P17=P19



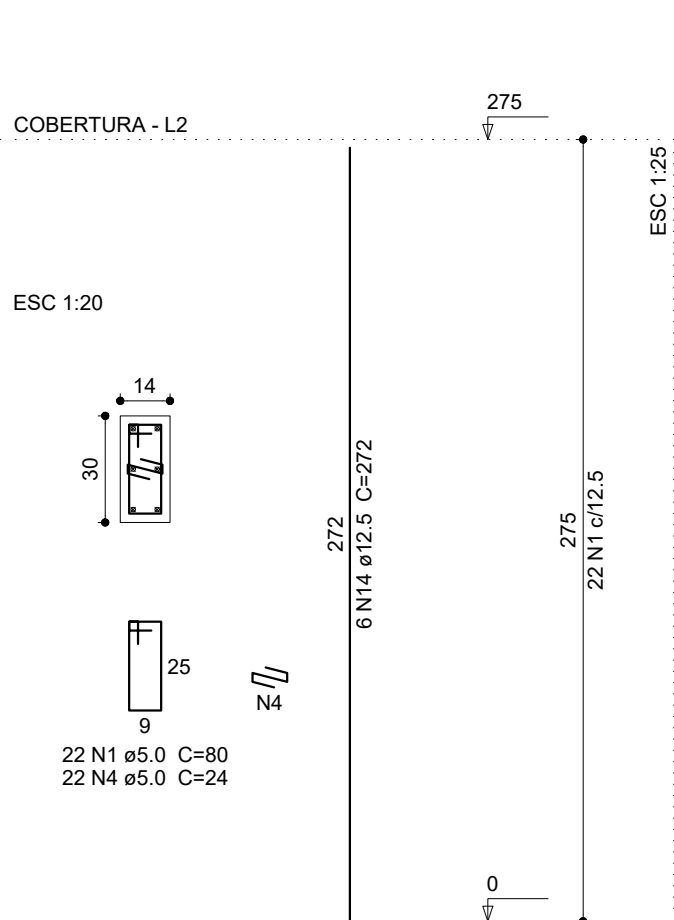
P18=P20



P26



P3



Relação do aço

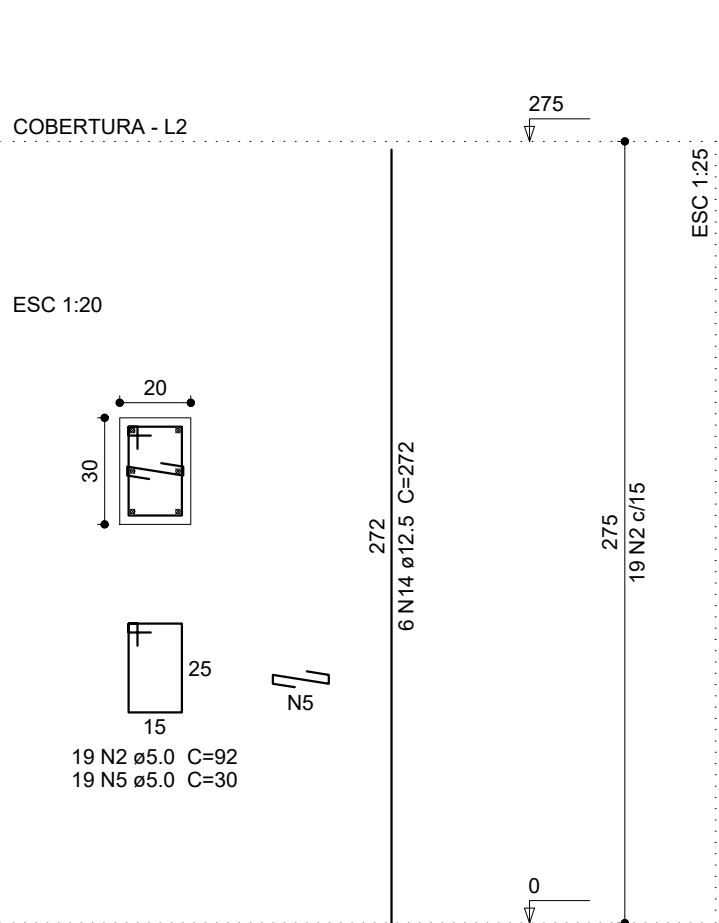
3xP1	P3	2xP4			
P5	P7	4xP8			
16xP9	P10	2xP17			
2xP18	P26				
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	724	80	57920
	2	5.0	76	92	6992
	3	5.0	28	24	672
	4	5.0	22	24	528
	5	5.0	38	30	1140
	6	5.0	22	100	2200
	7	5.0	22	24	528
	8	5.0	28	112	3136
	9	5.0	28	40	1120
	10	10.0	4	313	1252
	11	10.0	70	272	19040
	12	12.5	6	94	564
	13	12.5	12	322	3864
	14	12.5	56	272	15232
	15	16.0	14	272	3808

Resumo do aço

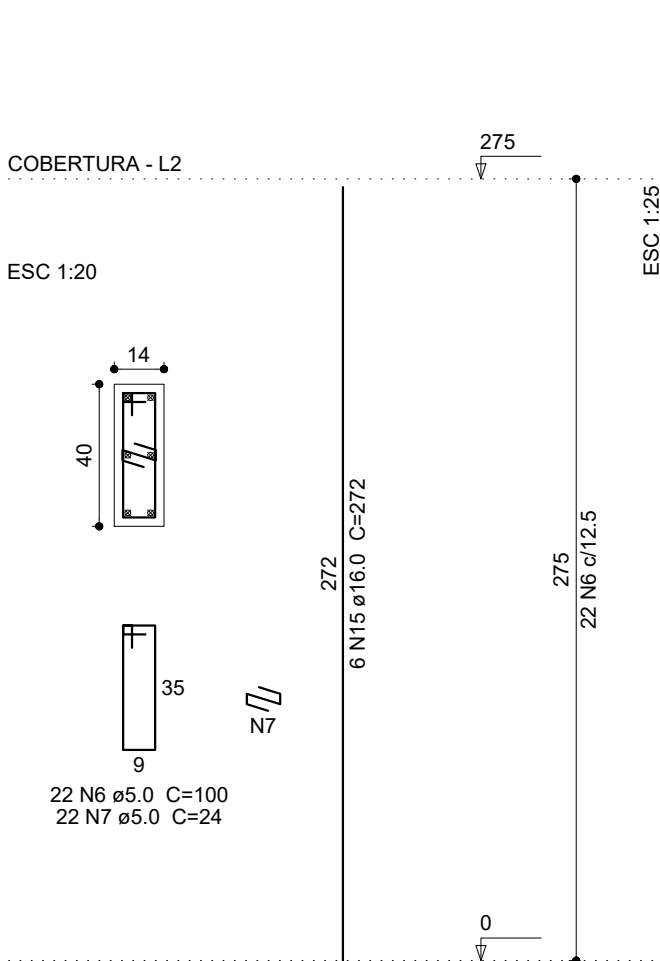
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	203	137.6
	12.5	196.6	208.3
	16.0	38.1	66.1
CA60	5.0	742.4	125.9
PESO TOTAL (kg)			
CA50	412.1		
CA60	125.9		

Volume de concreto (C-25) = 4.3 m³

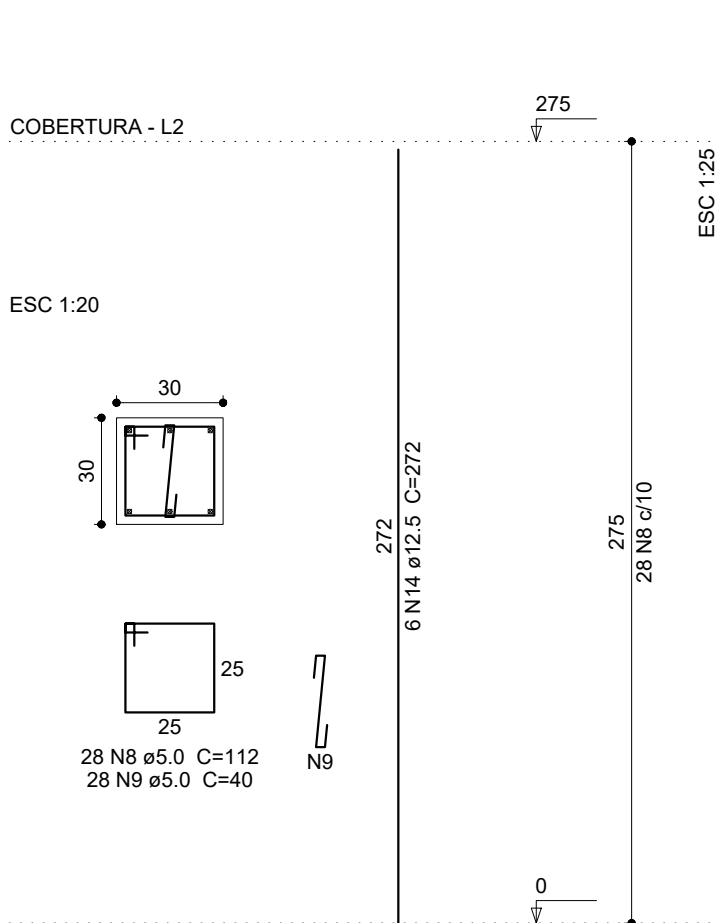
P4=P6



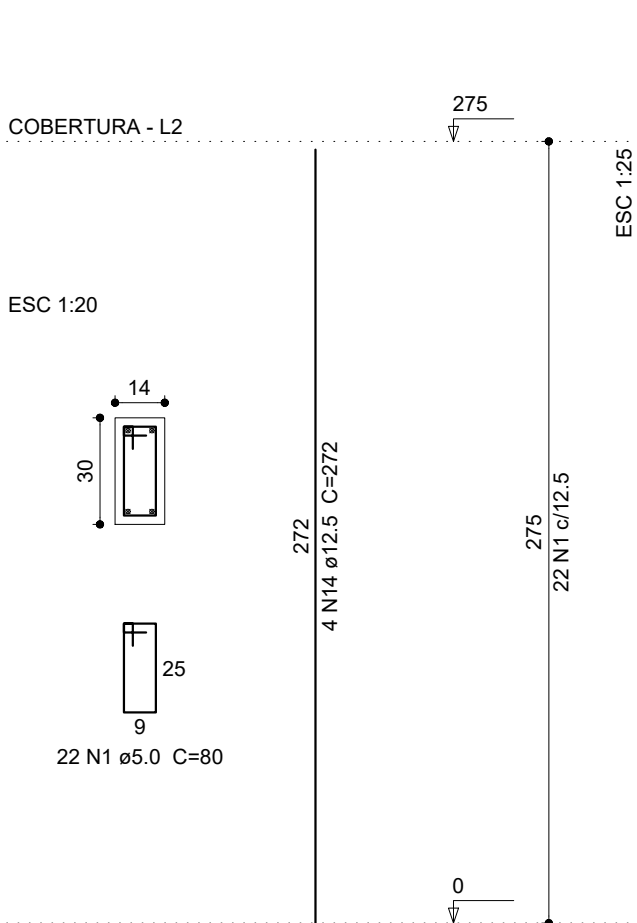
P5



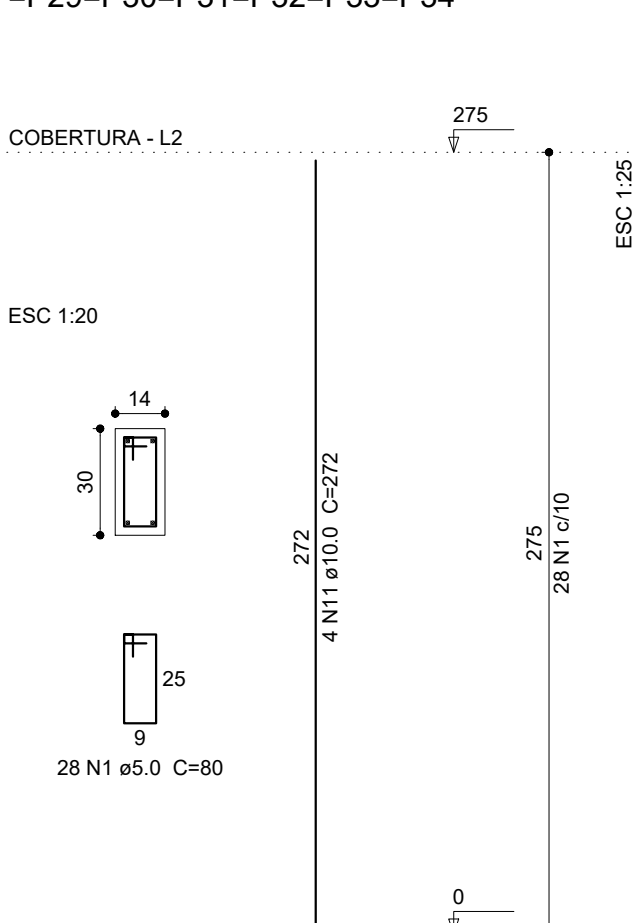
P7



P8=P16=P23=P25



P9=P12=P13=P14=P15=P21=P22=P24=P27=P28
=P29=P30=P31=P32=P33=P34



PREFEITURA MUNICIPAL DE SÃO CARLOS SECRETARIA MUNICIPAL DE OBRAS PÚBLICAS		
Projeto: ENG. WONG	CONSTRUÇÃO DE CRAS NO CONJ. RESIDENCIAL ITATIAIA	Data: OUTUBRO/2019
Desenho:		Revisão: 0
ART de Obra ou Serviço	Edificação: CENTRO DE REFERÊNCIA DE ASSISTÊNCIA SOCIAL - CRAS	Escala: INDICADAS
Nota:	Projeto: FUNDAÇÕES	Desenho N°: E-07/10
	Título do Trabalho: ARMAÇÃO DE PILARES	