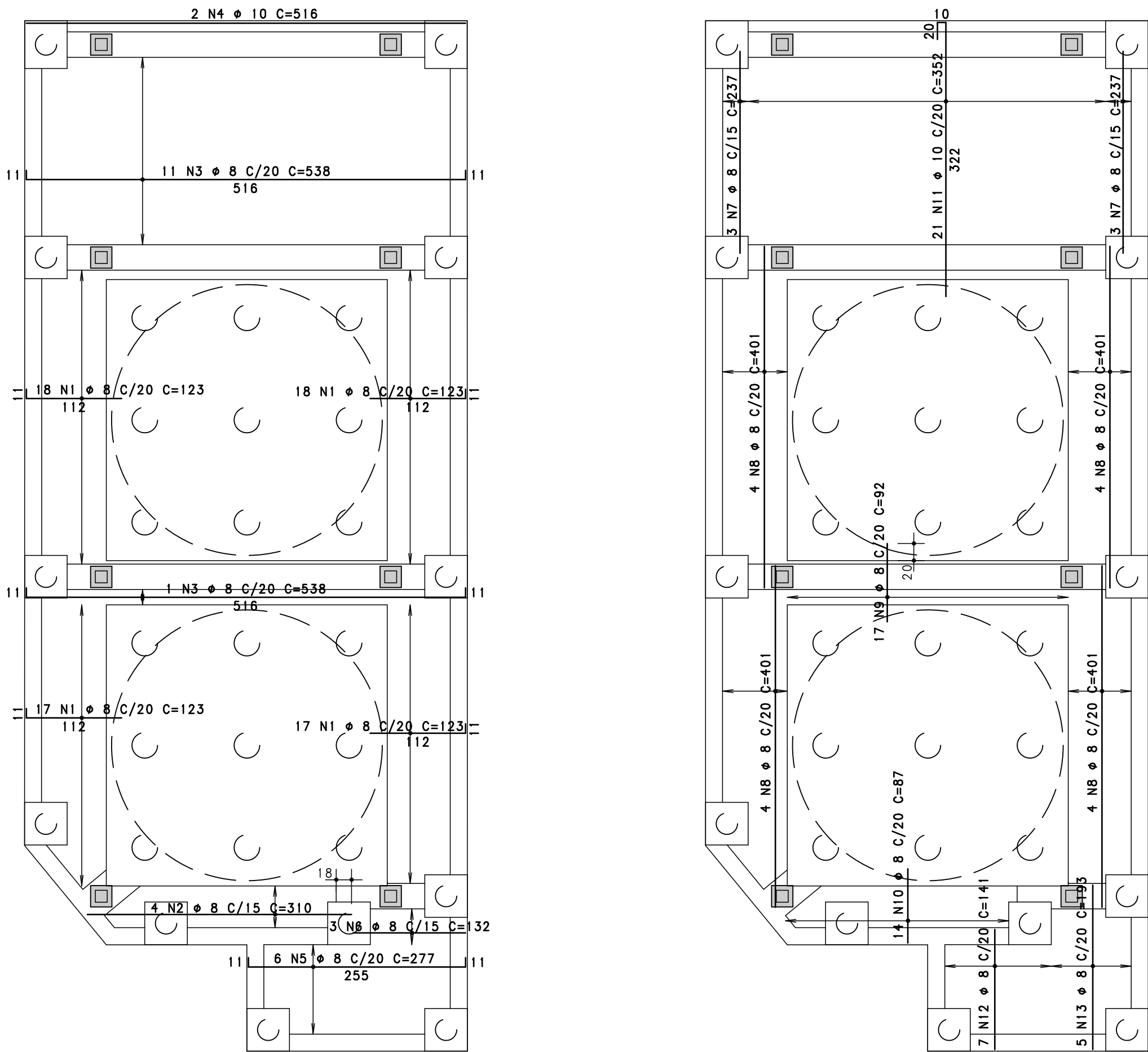
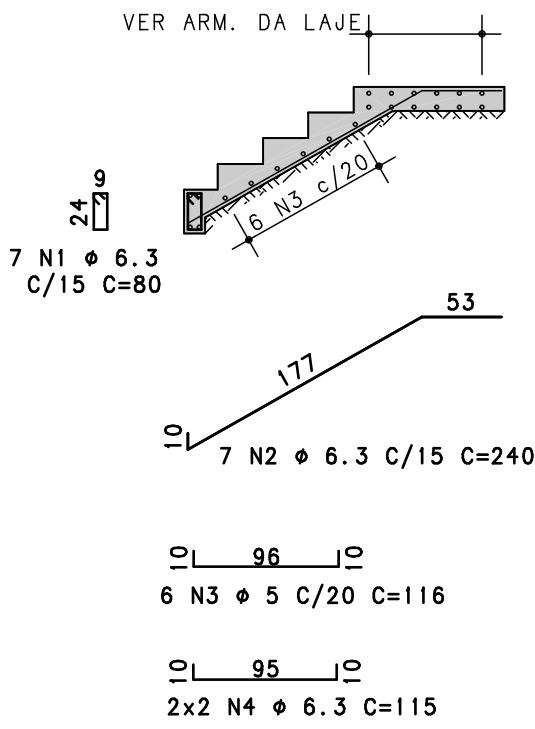


Armação positiva

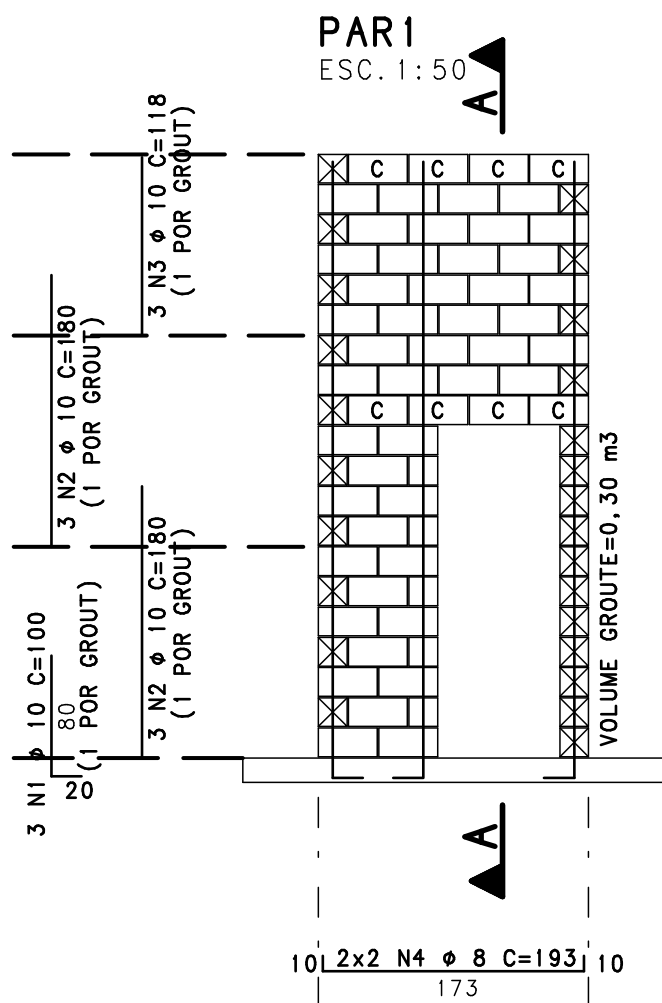
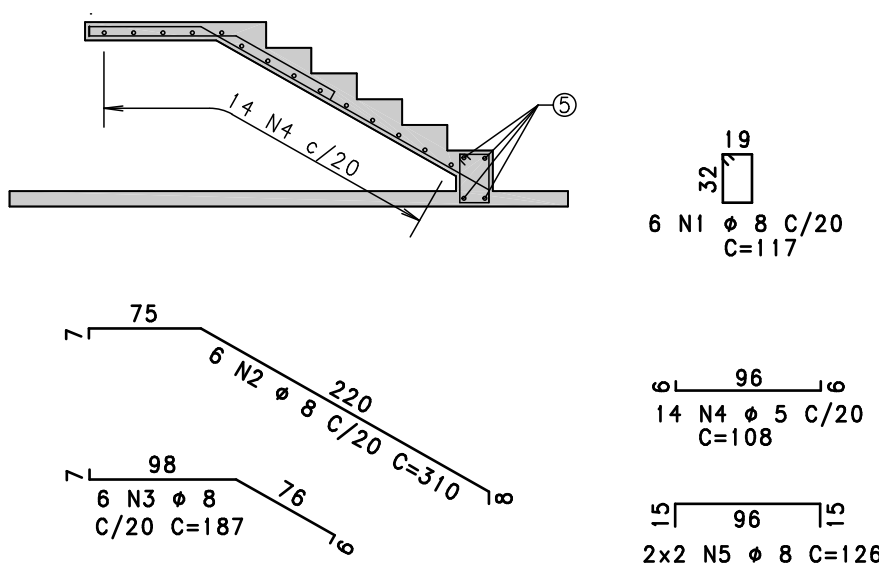


NOTA: DISTRIBUIR MALHA Q92 NA FACE SUPERIOR(NEGATIVO),
UTILIZAR ESPAÇADOR TRELIÇADO PARA GARANTIR A POSIÇÃO
DA MALHA E RESPEITAR O COBRIMENTO DA LAJE DE 2cm.

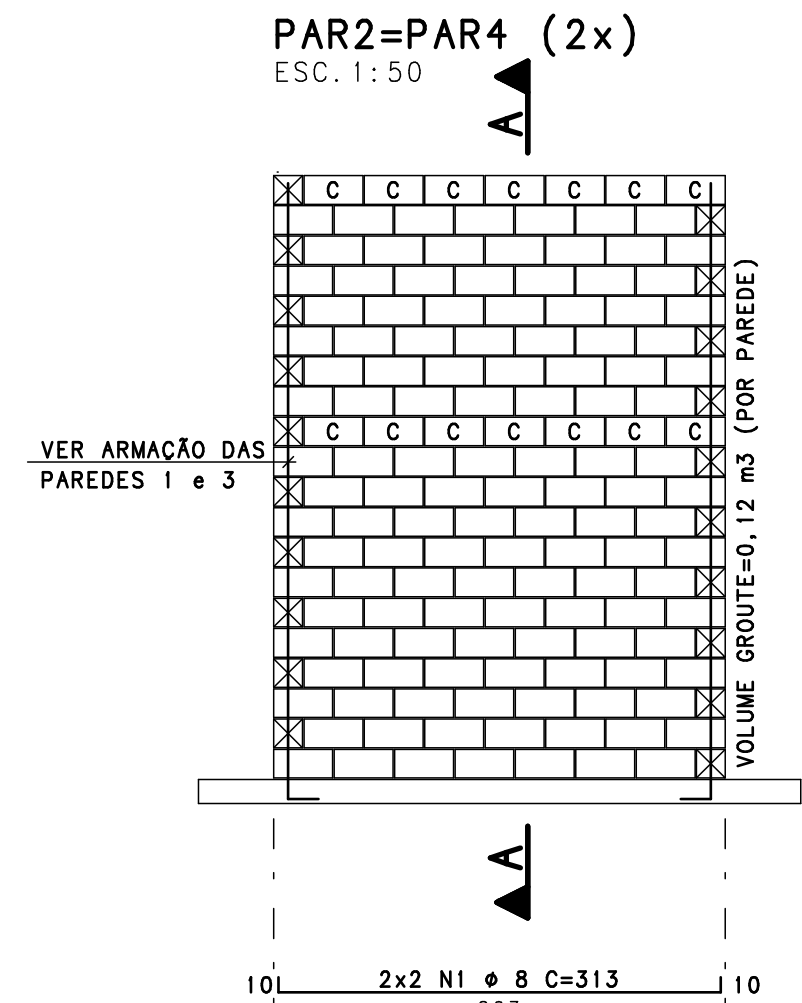
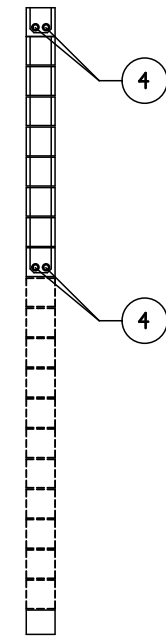
Escada 1



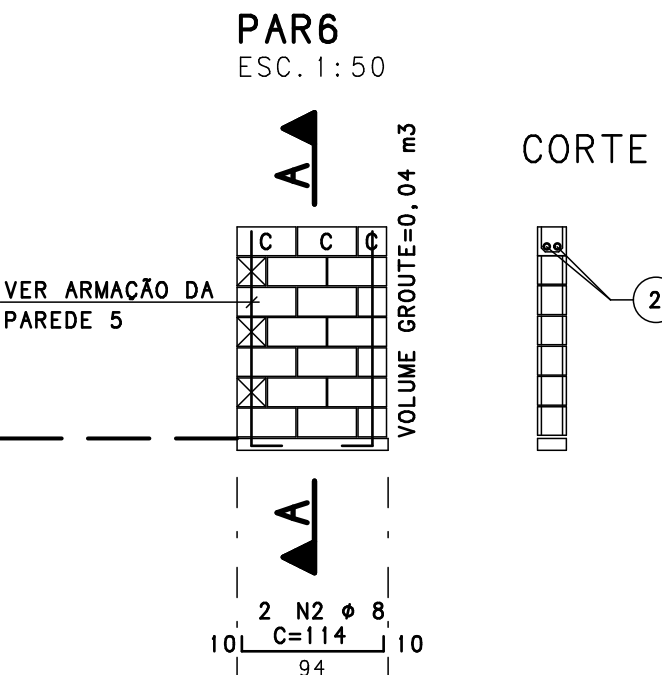
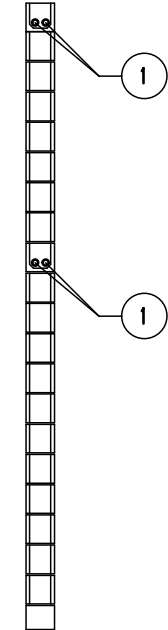
Escadas 2 e 3 (2x)



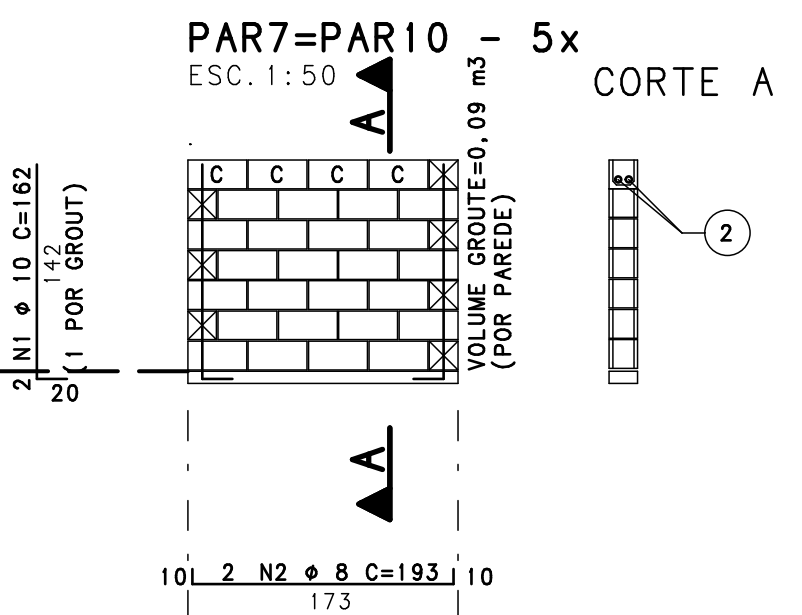
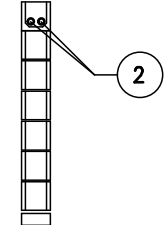
CORTE A



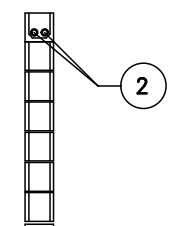
CORTE A



CORTE A

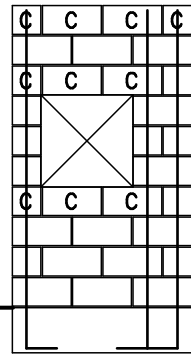


CORTE A

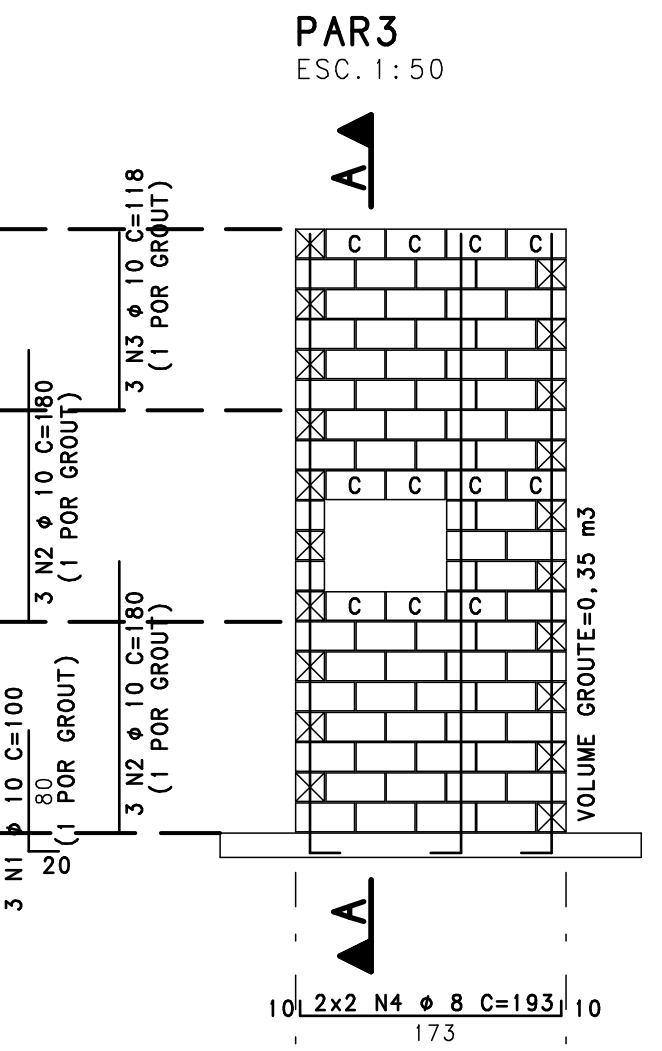
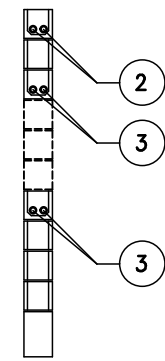


PAR11 - 1x

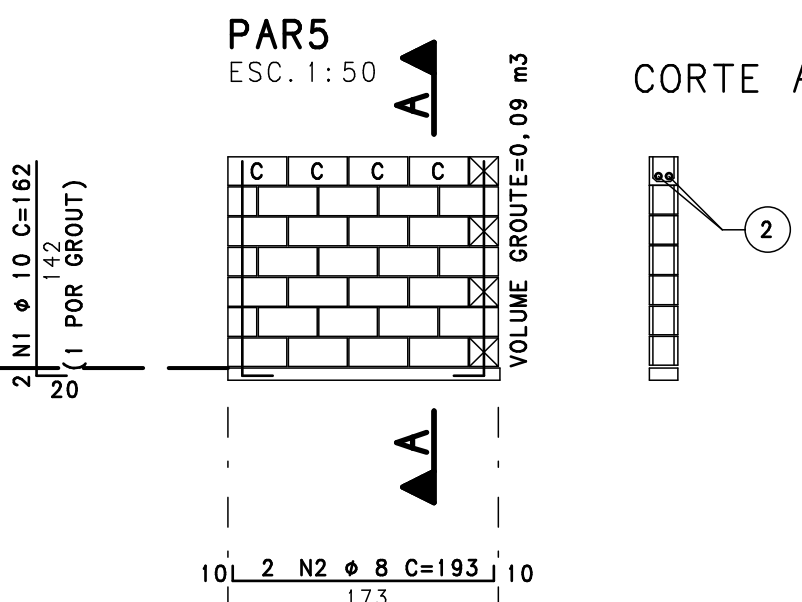
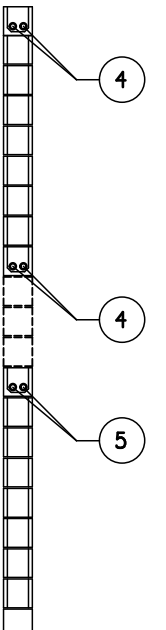
ESC. 1:50



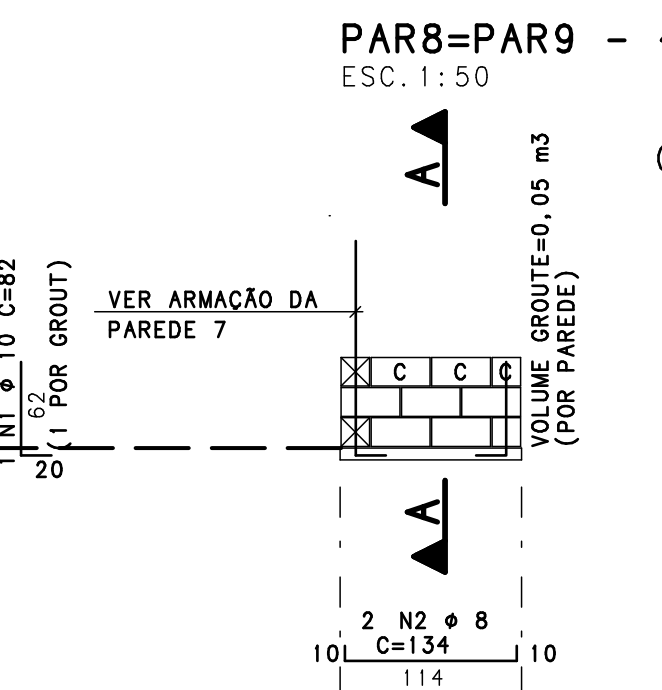
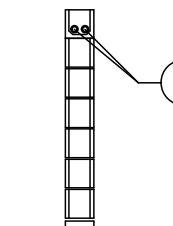
CORTE A



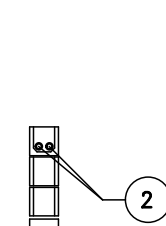
CORTE A



CORTE A

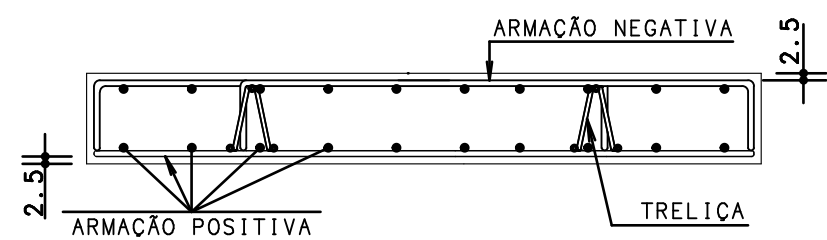


CORTE A



DETALHE DO COBRIMENTO E DA TRELIÇA
PARA APOIO DOS FERROS NEGATIVOS

SEM ESCALA



NOTA:

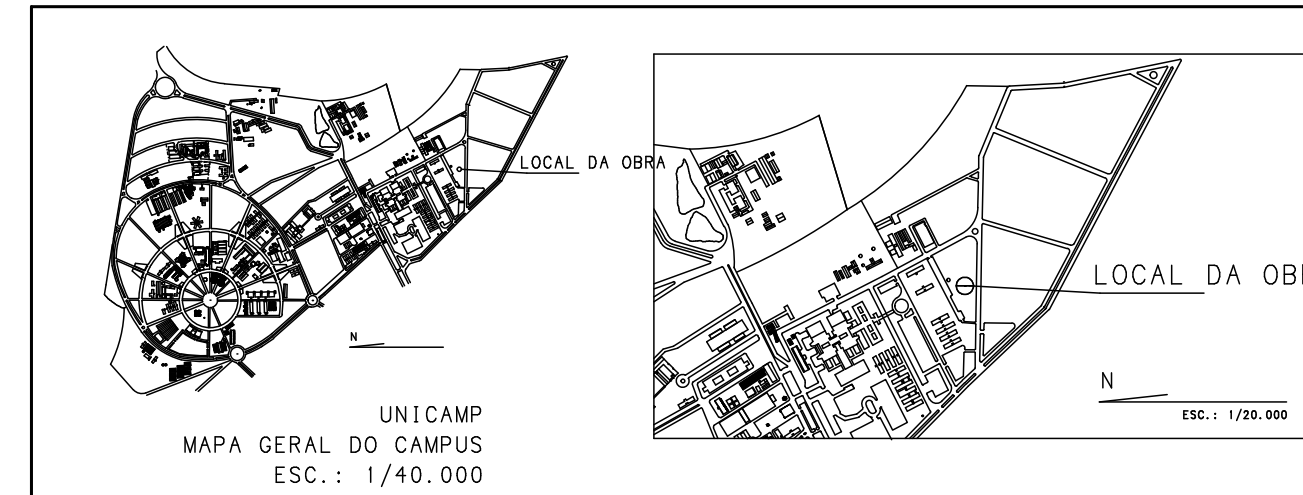
UTILIZAR TRELIÇA h=10 cm PARA MANTER OS FERROS
NEGATIVOS POSICIONADOS CORRETAMENTE NA HORA DA
CONCRETAGEM, CASO SEJA NECESSÁRIO, AJUSTAR A
ALTURA DA TRELIÇA PARA OBTER O COBRIMENTO
DEFINIDO PARA A ARMAÇÃO NEGATIVA.

ACO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	TOTAL (cm)
Armação positiva					
50A	1	8	70	123	8610
50A	2	8	4	310	1240
50A	3	8	12	538	6456
50A	4	10	2	516	1032
50A	5	8	6	277	1662
50A	6	8	3	132	396
50A	7	8	6	237	1422
50A	8	8	16	401	6416
50A	9	8	17	92	1564
50A	10	8	14	87	1218
50A	11	10	21	352	7392
50A	12	8	7	141	987
50A	13	8	5	193	965
Escada 1					
50A	1	6.3	7	80	560
50A	2	6.3	7	240	1680
60B	3	5	6	116	696
50A	4	6.3	4	115	460
Escadas 2 e 3 (2x)					
50A	1	8	12	117	1404
50A	2	8	12	310	3720
50A	3	8	12	187	2244
60B	4	5	28	108	3024
50A	5	8	8	126	1008
PAR1					
50A	1	10	3	100	300
50A	2	10	6	180	1080
50A	3	10	3	118	354
50A	4	8	4	193	772
PAR2=PAR4 (2x)					
50A	1	8	8	313	2504
PAR3					
50A	1	10	3	100	300
50A	2	10	6	180	1080
50A	3	10	3	118	354
50A	4	8	4	193	772
50A	5	8	2	154	308
PAR5					
50A	1	10	2	162	324
50A	2	8	2	193	386
PAR6					
50A	1	10	1	162	162
50A	2	8	2	114	228
PAR7=PAR10 - 5x					
50A	1	10	10	162	1620
50A	2	8	10	193	1930
PAR8=PAR9					
50A	1	10	4	82	328
50A	2	8	8	134	1072
PAR11 - 1x					
50A	1	10	3	244	732
50A	2	8	2	134	268
50A	3	8	4	113	452

RESUMO ACO CA 50-60			
ACO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	37	6
50A	6.3	27	7
50A	8	480	190
50A	10	151	93
Peso Total		60B =	6 kg
Peso Total		50A =	289 kg

NOTAS

- 1- AS ESPECIFICAÇÕES DO CONCRETO ESTÃO DEFINIDAS NA FORMA CORRESPONDENTE.
- 2- COBRIMENTO NOMINAL DA ARMADURA = 2.5cm, COM TOLERÂNCIA DE EXECUÇÃO = 0.5cm, USAR ESPAÇADORES PARA GARANTIR O COBRIMENTO NOMINAL DA ARMADURA.
- 3- RAIO DE DOBRAMENTO DOS FERROS, SEGUIR A ESPECIFICAÇÃO DA NBR 6118.



REV.	DATA	VERSÃO	DESCRIÇÃO DA REVISÃO
001	12/12/16	VERSÃO INICIAL	
002			
003			
004			
005			
006			
007			
008			
009			
010			

IURAS ENGENHARIA & PROJETOS ALAMEDA DAS PRIMAVERAS, 119 - SALA 01 - SÃO PEDRO/SP (19) 9 9933-2285 iuras@iurasengenharia.eng.br			
Autor(es) do Projeto Eng. Thiago Iuras	CREA 5063209645	DATA 12/12/2016	VISTO
REFERENCIA			
PROJETO EXECUTIVO - CASA DE MÁQUINAS e RESERVATÓRIO DE INCÊNDIO - ARMADÕES			
DESENHO TVIS	DATA 12/12/16	NOME DO ARQUIVO ELETRÔNICO 1016-ES-F02-COMP-R00.DWG	ESCALA 1:50

EST
02