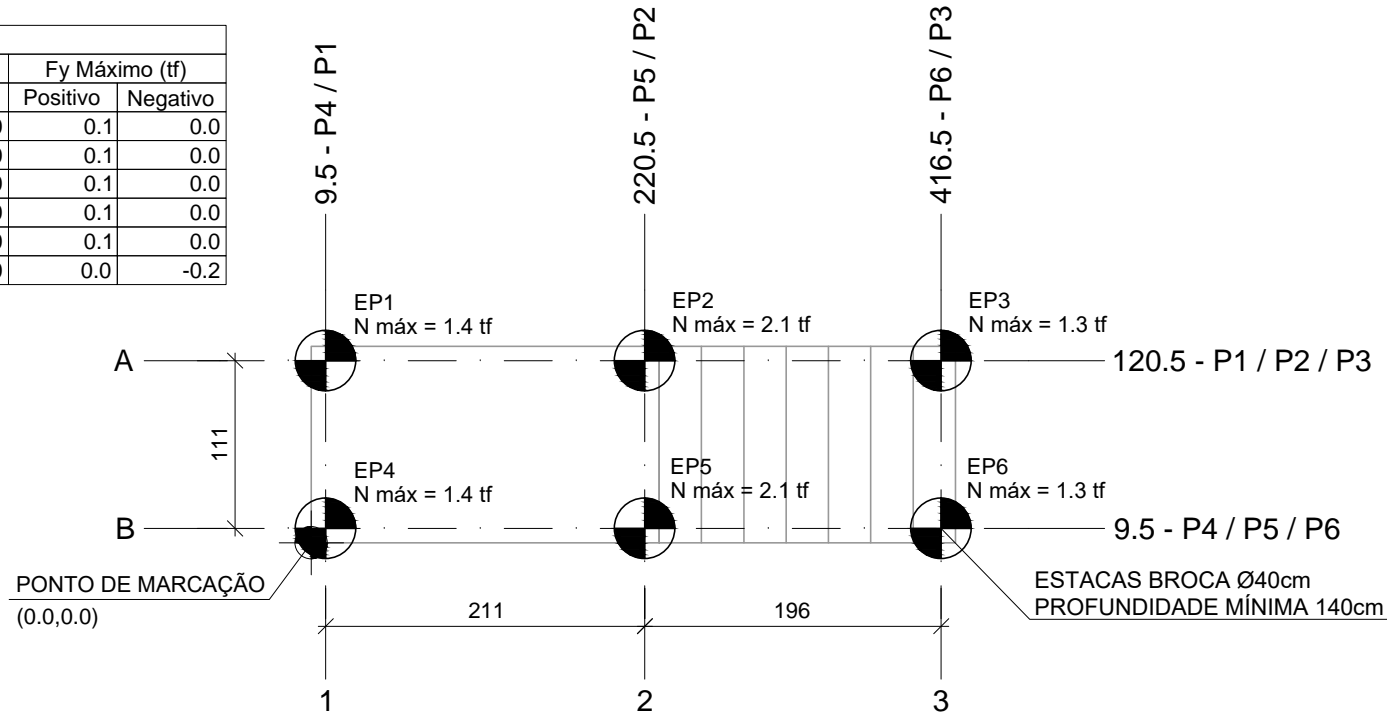


Pilar													
Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Min. (tf)	Mx Máximo (kgf.m)		My Máximo (kgf.m)		Fx Máximo (tf)		Fy Máximo (tf)	
						Positivo	Negativo	Positivo	Negativo	Positivo	Negativo	Positivo	Negativo
P1	-	9.5	120.5	1.4	0.8	0	0	0	0	0.0	0.0	0.1	0.0
P2	-	220.5	120.5	2.1	1.4	0	0	0	0	0.0	0.0	0.1	0.0
P3	-	416.5	120.5	1.3	0.7	0	0	0	0	0.1	0.0	0.1	0.0
P4	-	9.5	9.5	1.4	0.8	0	0	0	0	0.0	0.0	0.1	0.0
P5	-	220.5	9.5	2.1	1.4	0	0	0	0	0.0	0.0	0.1	0.0
P6	-	416.5	9.5	1.3	0.7	0	0	0	0	0.1	0.0	0.0	-0.2

Localção no eixo X		Localção no eixo Y	
Coordenadas (cm)	Nome	Coordenadas (cm)	Nome
9.5	P1, P4	120.5	P1, P2, P3
220.5	P2, P5	9.5	P4, P5, P6
416.5	P3, P6		

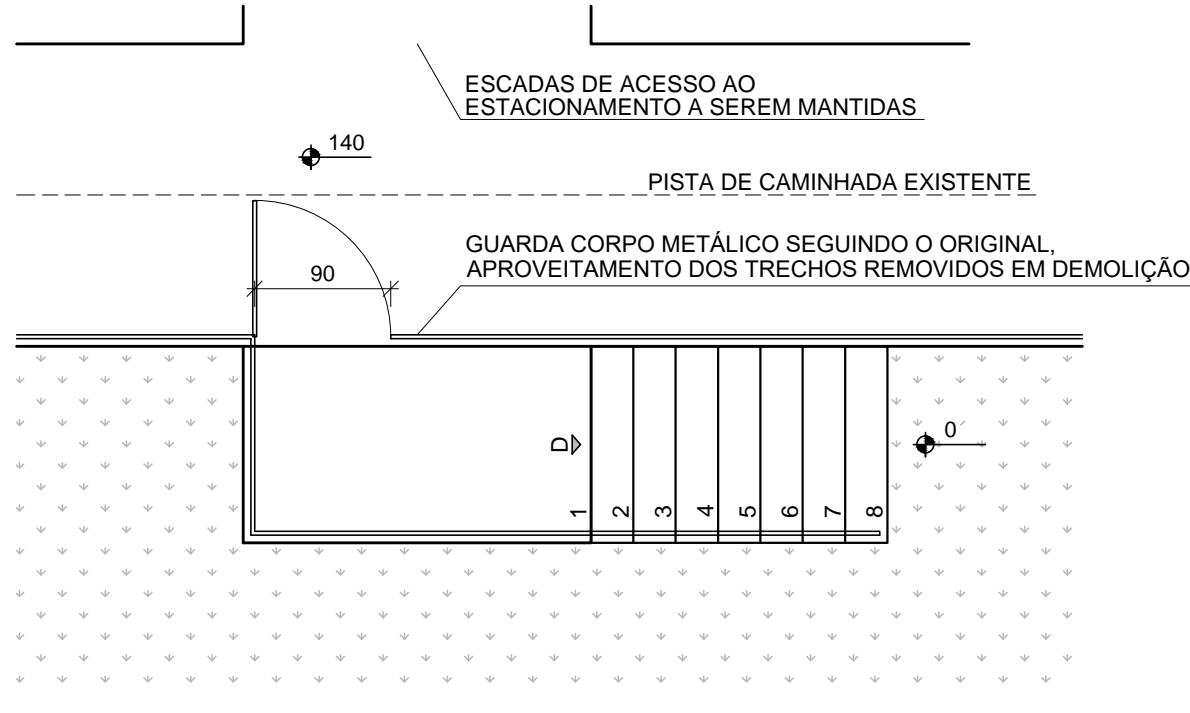


## PLANTA DE LOCAÇÃO

ESC.: 1:50

## FORMA DO NÍVEL DO TALUDE (NÍVEL 0)

ESC.: 1:50

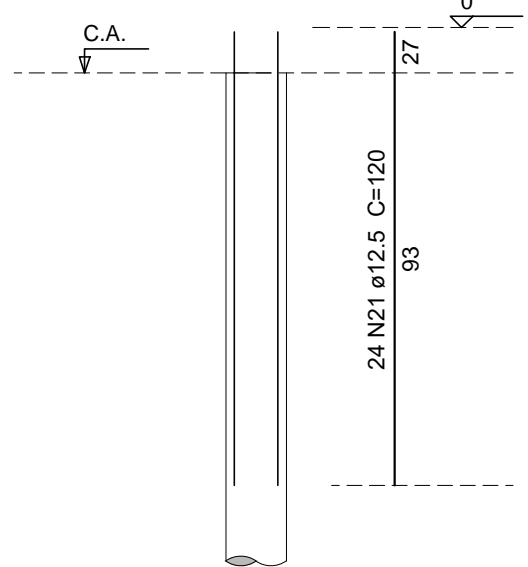


## CROQUI ARQUITETÔNICO

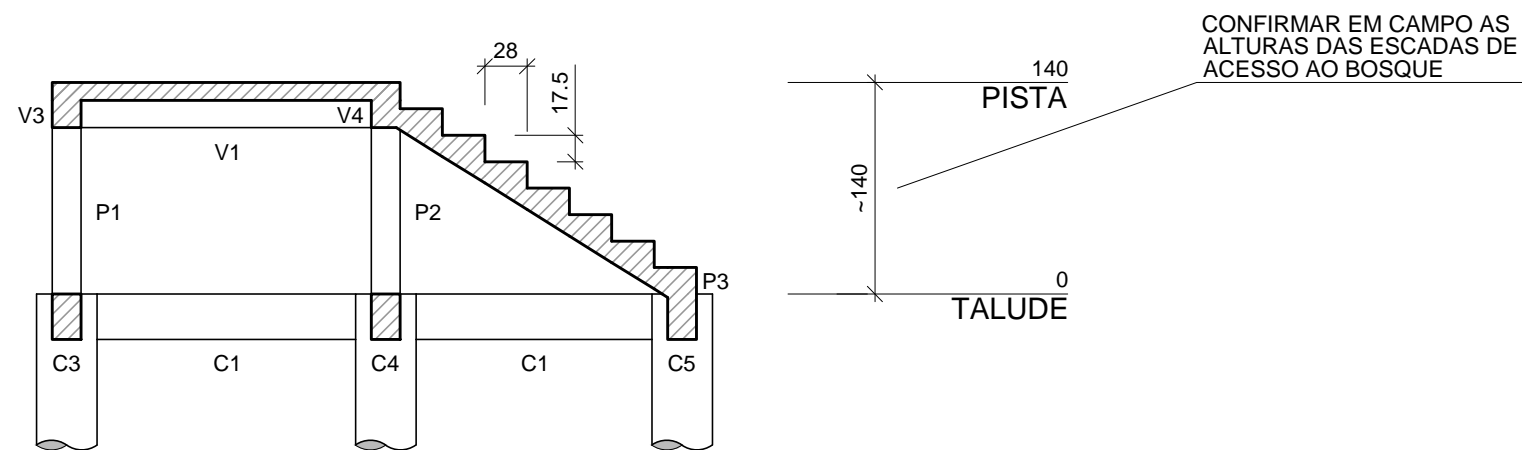
ESC.: 1:50

ESTACAS TIPO BROCA Ø400mm (6x)  
EP1=EP2=EP3=EP4=EP5=EP6

CORTE  
ESC.: 1:50



SEÇÃO  
ESC.: 1:20

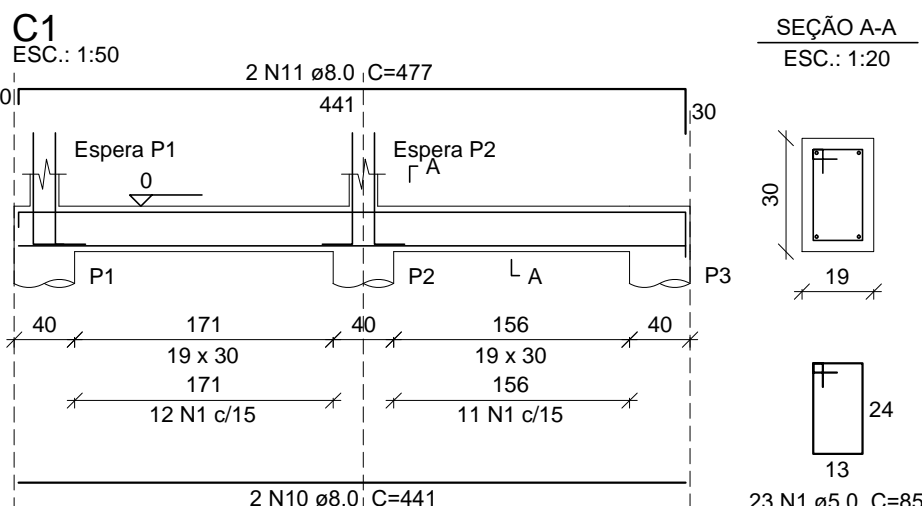


## CORTE A-A

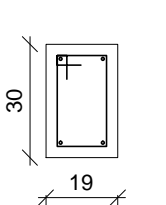
ESC.: 1:50

## FORMA DO NÍVEL DA PISTA (NÍVEL 140)

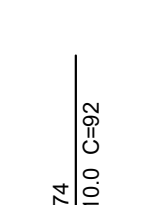
ESC.: 1:50



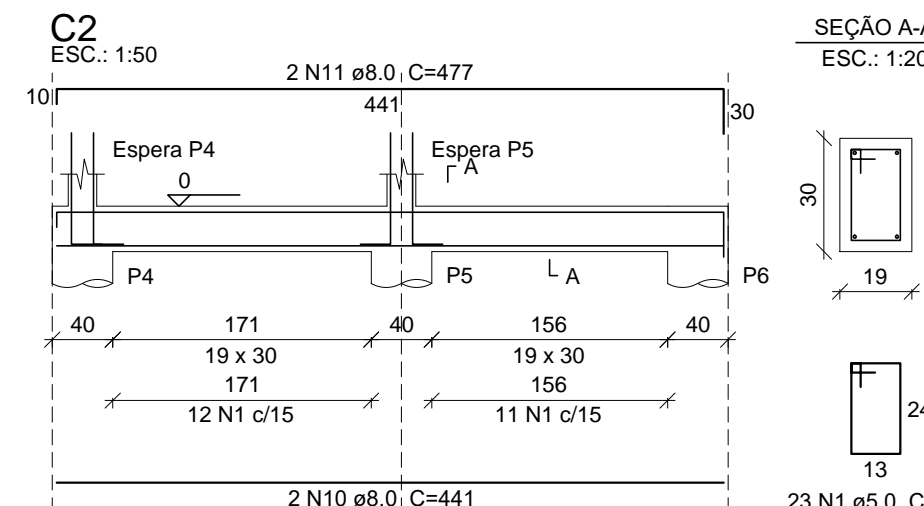
SEÇÃO A-A  
ESC.: 1:20



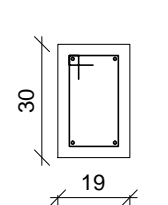
ESPERA P1  
ESC.: 1:20



ESPERA P2  
ESC.: 1:20



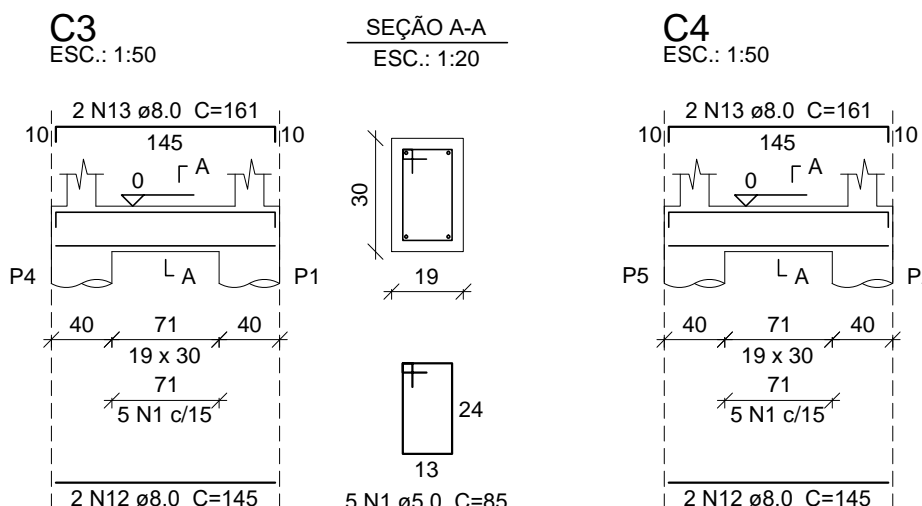
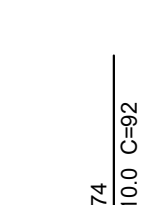
SEÇÃO A-A  
ESC.: 1:20



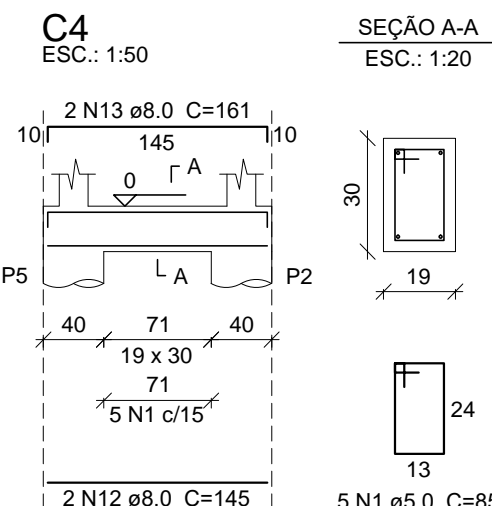
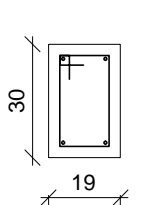
ESPERA P4  
ESC.: 1:20



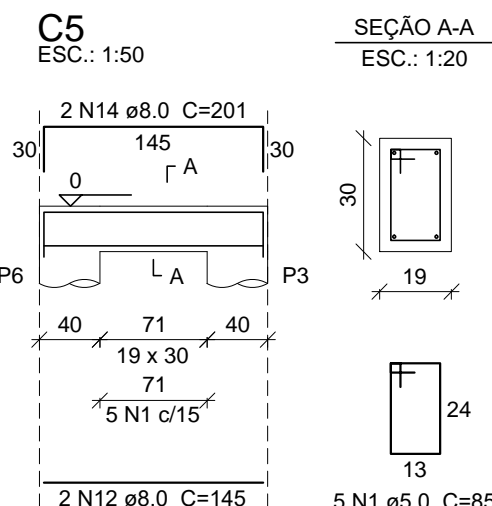
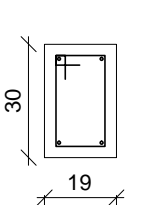
ESPERA P5  
ESC.: 1:20



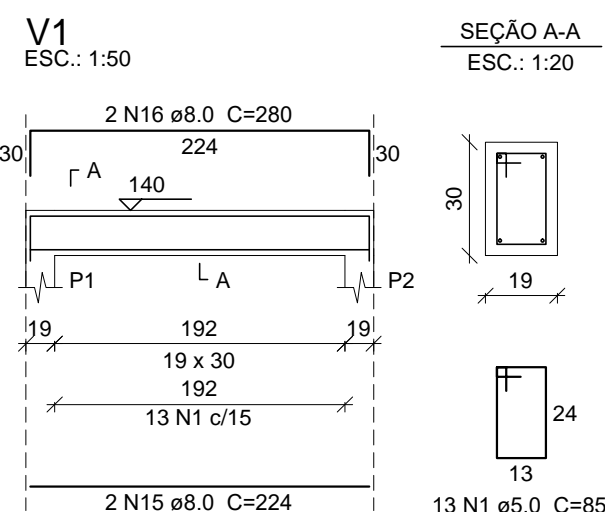
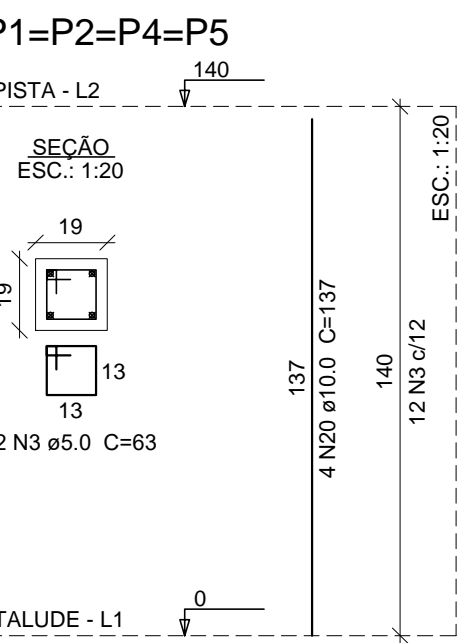
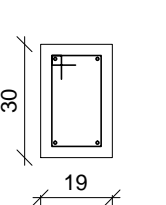
SEÇÃO A-A  
ESC.: 1:20



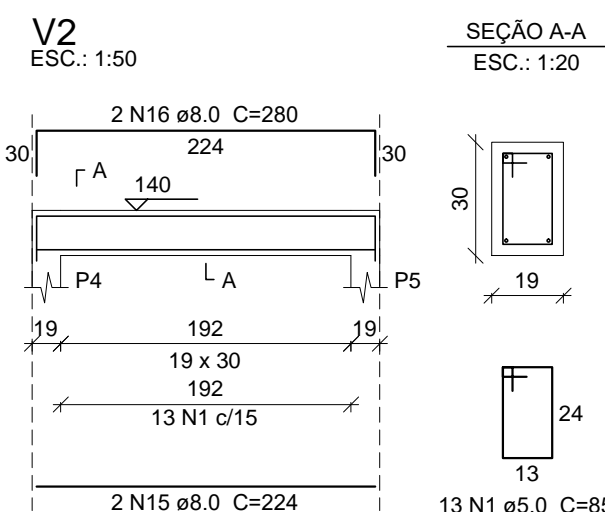
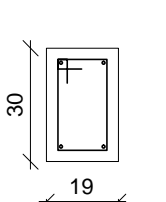
SEÇÃO A-A  
ESC.: 1:20



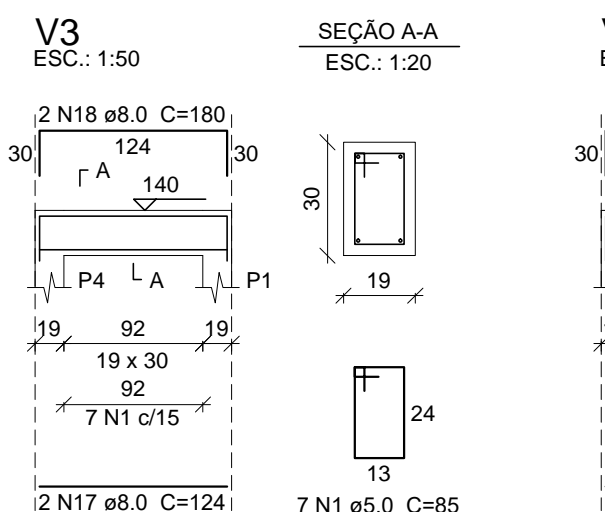
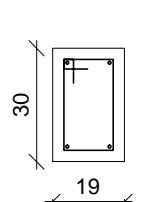
SEÇÃO A-A  
ESC.: 1:20



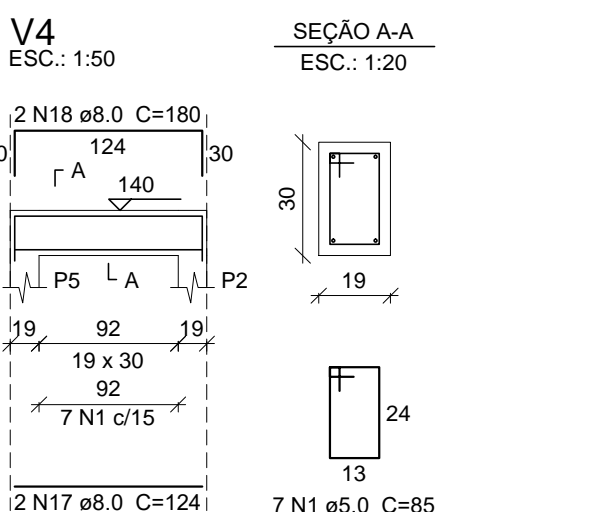
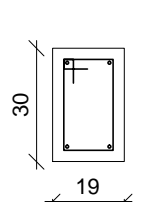
SEÇÃO A-A  
ESC.: 1:20



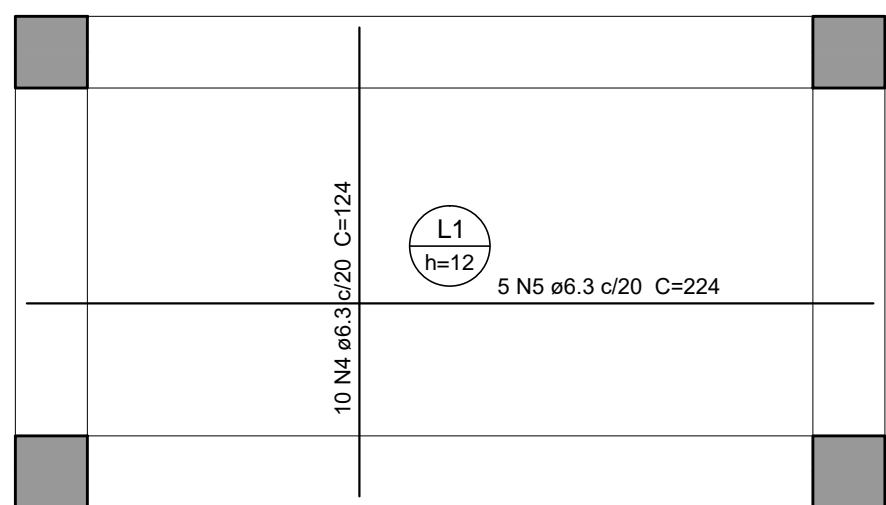
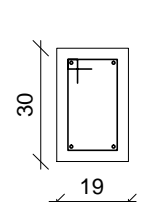
SEÇÃO A-A  
ESC.: 1:20



SEÇÃO A-A  
ESC.: 1:20

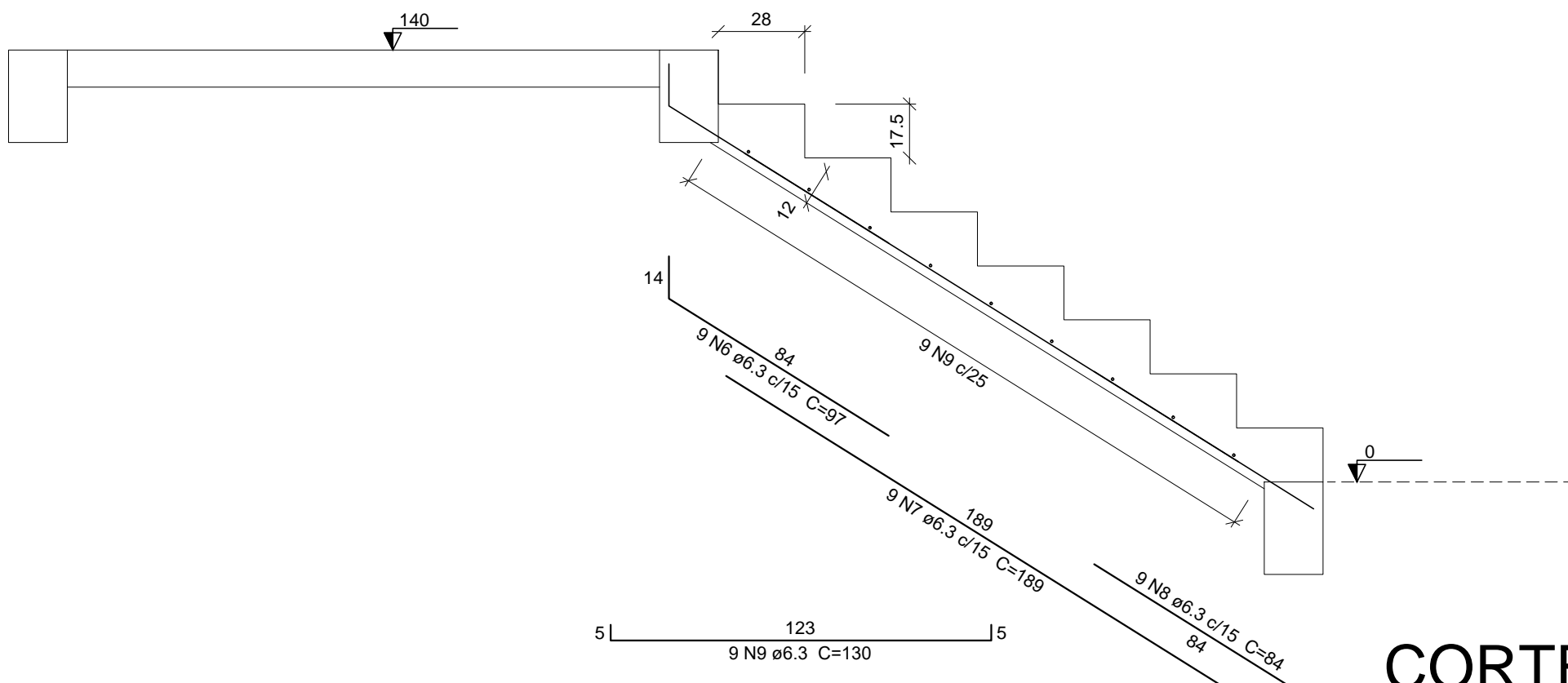


SEÇÃO A-A  
ESC.: 1:20



## ARMAÇÃO POSITIVA DA LAJE NO NÍVEL PISTA

ESC.: 1:20



## CORTE A-A (LE1)

ESC.: 1:20

### Relação do aço

PISTA:	LE1	4xP1
	V2	V1
	V4	V3
TALUDE:	C1	C2
	C3	C4

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	101	85	8585
	2	5.0	12	63	756
	3	5.0	48	63	3024
CA50	4	6.3	10	124	1240
	5	6.3	5	224	1120
	6	6.3	9	97	873
	7	6.3	9	189	1701
	8	6.3	9	84	756
	9	6.3	9	130	1170
	10	8.0	4	441	1764
	11	8.0	4	477	1908
	12	8.0	6	145	870
	13	8.0	4	161	644
	14	8.0	2	201	402
	15	8.0	4	224	896
CA50	16	8.0	4	280	1120
	17	8.0	4	124	496
	18	8.0	4	180	720
	19	10.0	16	92	1472
	20	10.0	16	137	2192
	21	12.5	24	120	2880
	22	12.5	24	120	2880

### Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	6.3	68.6	16.8
CA50	8.0	88.2	34.8
	10.0	36.7	22.6
	12.5	28.8	27.7
CA60	5.0	123.7	19.1
PESO TOTAL (kg)			
CA50	101.9		
CA60	19.1		

Volume de concreto (C-20) = 1.86 m³  
Área de forma = 23.05 m²

### NOTAS:

- 1 - MEDIDAS, DIMENSÕES E COTAS EM CENTÍMETROS EXCETO ONDE INDICADO;
- 2 - ESCALAS INDICADAS;
- 3 - AS MEDIDAS PREVALECEM SOBRE A ESCALA;
- 4 - FUNDAÇÃO SUPERFICIAL EM ESTACAS BROCA Ø40cm, PROFUNDIDADE MÍNIMA 140cm;
- 5 - CONCRETO ESTRUTURAL:
  - C-20 (fck>=20Mpa AOS 28 DIAS)
  - BRITA 0 (ZERO) E 1 (UM)
  - ABATIMENTO 10+/-2cm
  - COBRIMENTO DAS ARMADURAS IGUAL A 3cm;
  - MÓDULO DE ELASTICIDADE SECANTE (Ecs) = 191586kgf/cm².
- 6 - RECOMENDA-SE A ADOÇÃO DE DISTANCIADORES PLÁSTICOS PARA CONCRETO DE TAMANHO ADEQUADO À PEÇA EM EXECUÇÃO.
- 7 - LEGENDA DOS PILARES:

- PILAR QUE MORRE
- ▨ PILAR QUE PASSA
- PILAR QUE NASCE
- ▨ PILAR COM MUDANÇA DE SEÇÃO

		REPRESENTANTES:	
DIRETORIA RESPONSÁVEL:		RICARDO DE OLIVEIRA GERENTE EXECUTIVO DE ENGENHARIA	
UNIDADE SESC CONTAGEM		RESPONSÁVEIS TÉCNICOS:	
PROJETO ETAPA EXECUTIVO 24_006001-00551-CBT-PE-EST-0000-PJ-0000_R00.dwg		JEFFERSON ANTÔNIO MARÇAL ENGENHEIRO CIVIL CREA-MG 173.284-D	
CONTEÚDO FORMAS ARMAÇÕES		FOLHA:	DATA:
		01/01	29/10/2024