

Relação do aço

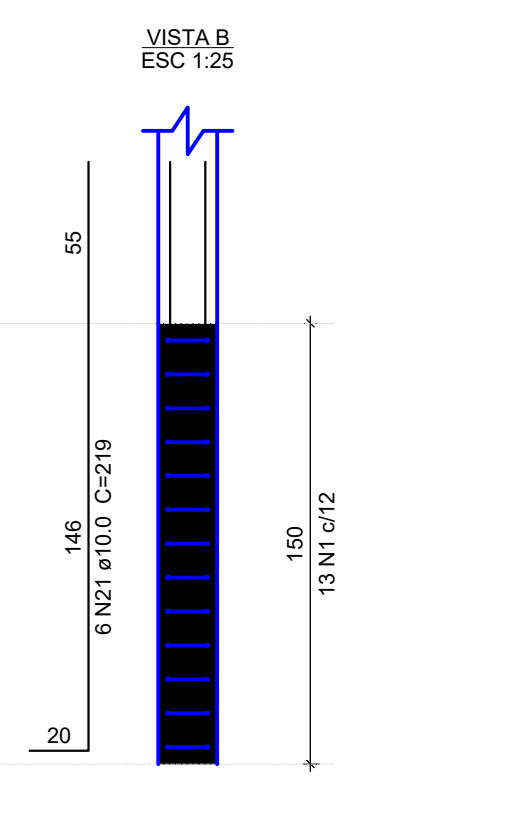
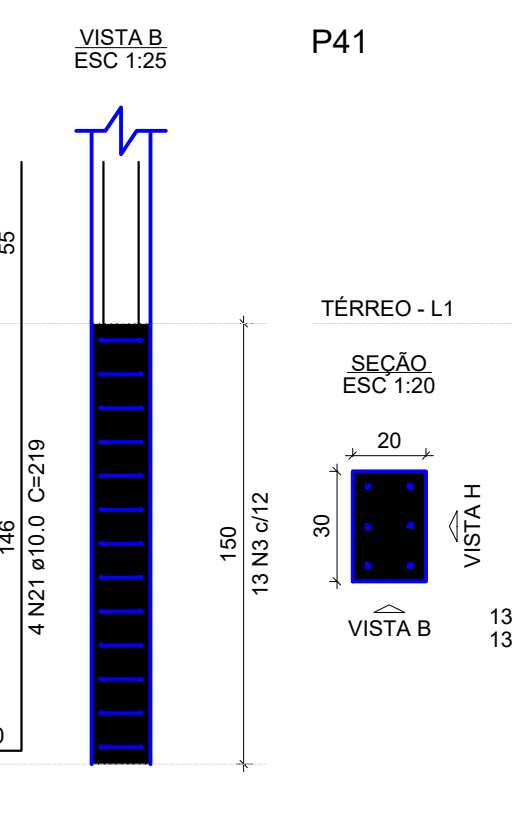
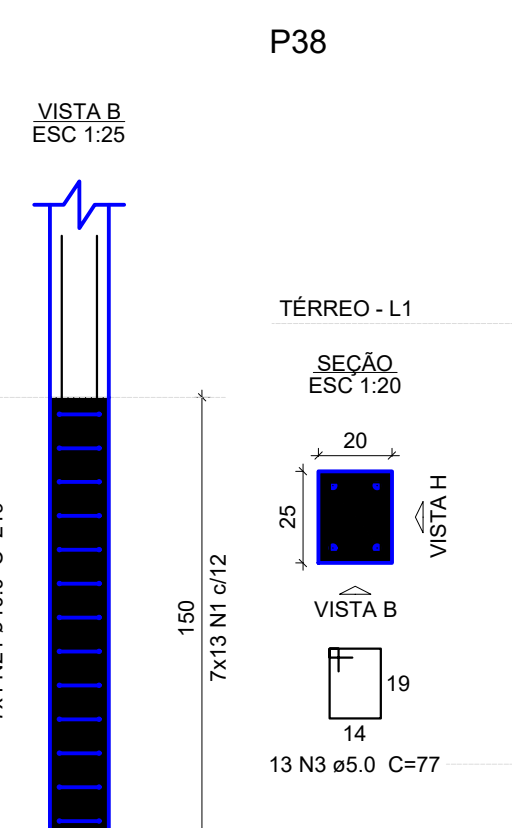
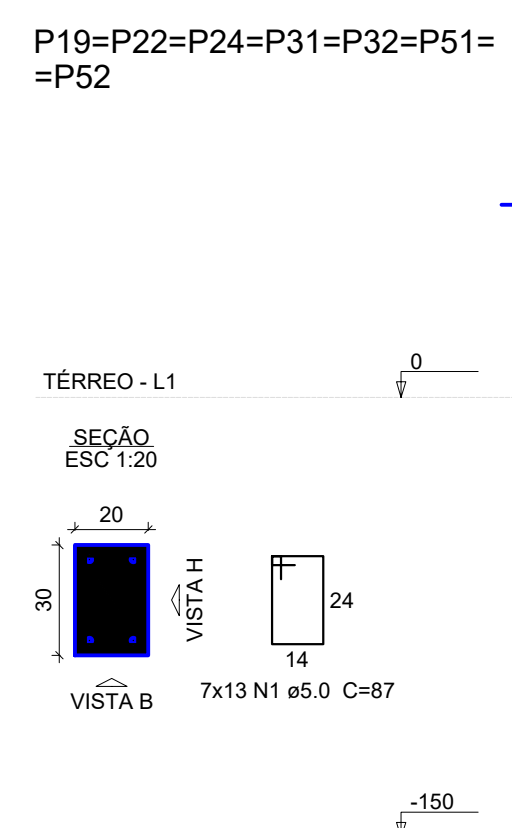
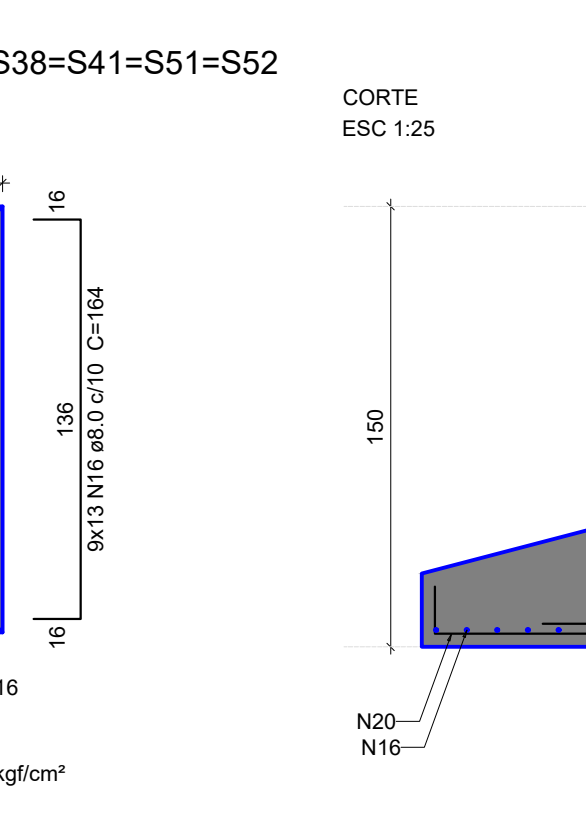
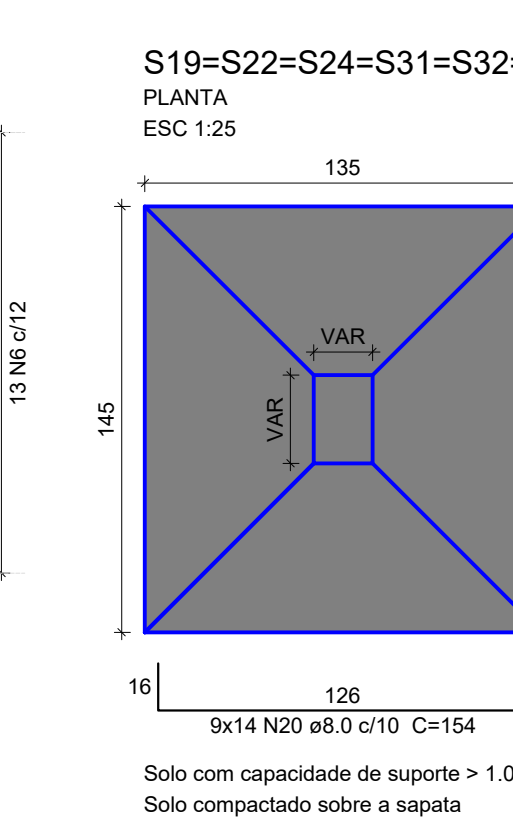
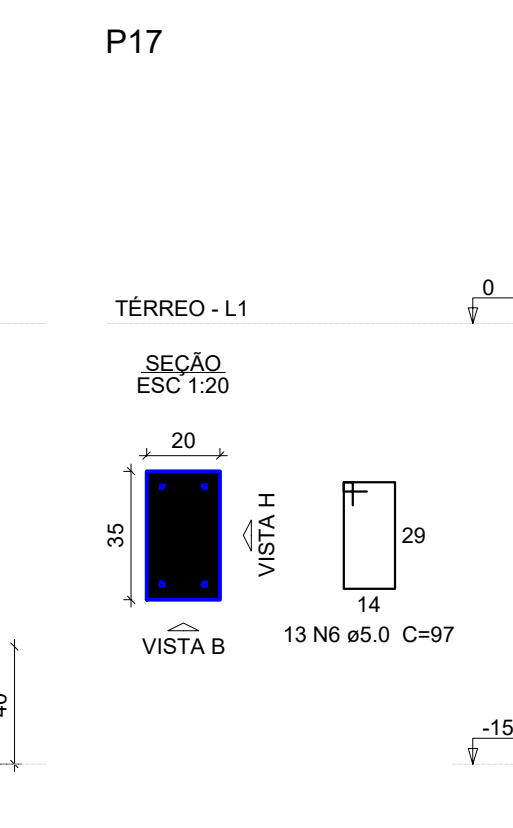
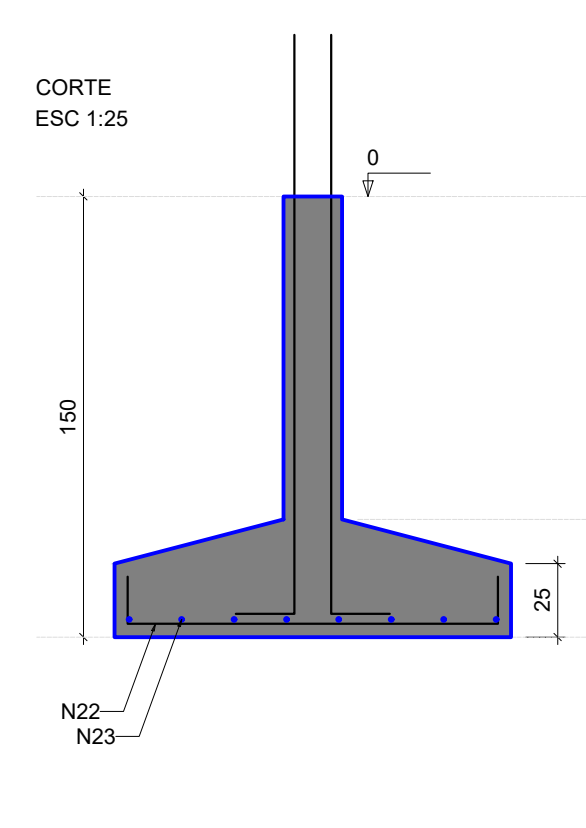
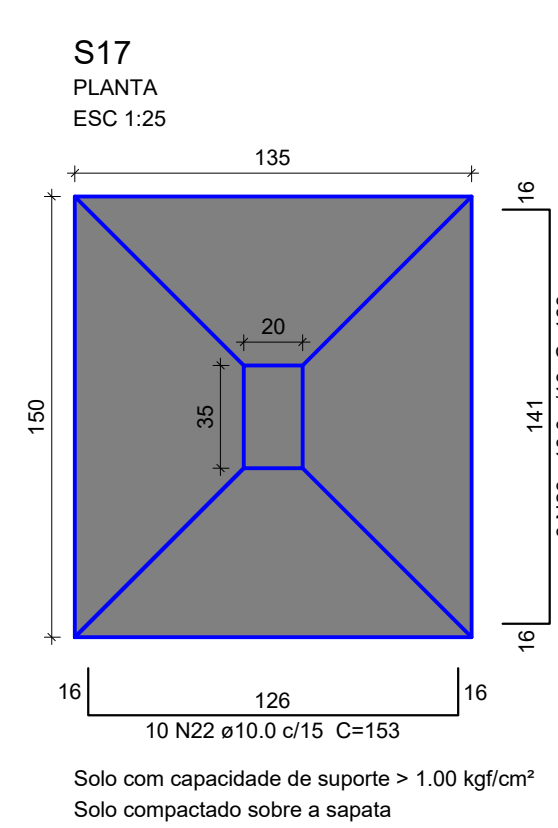
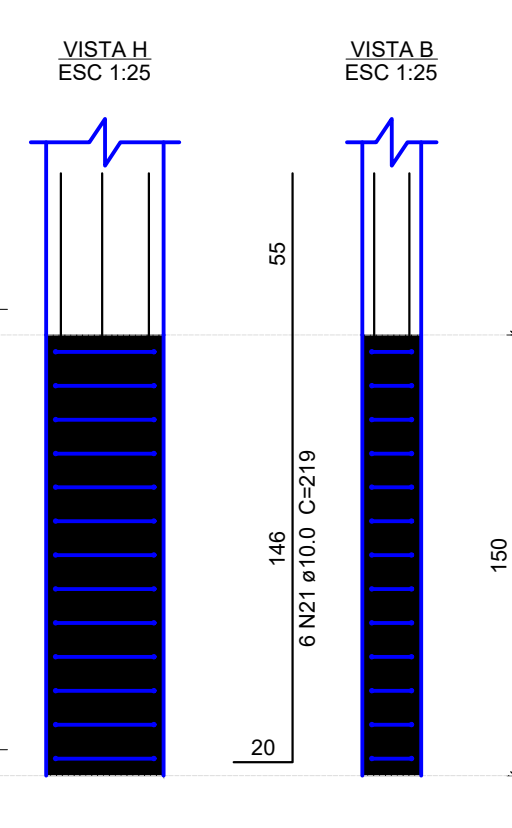
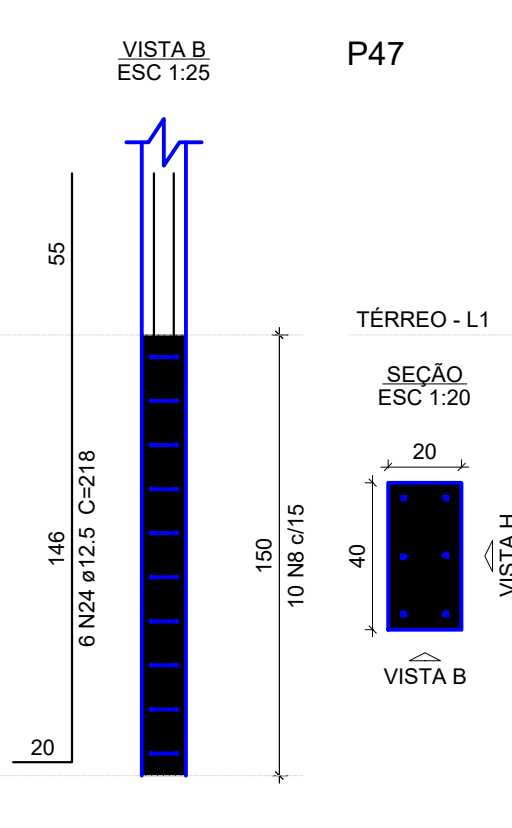
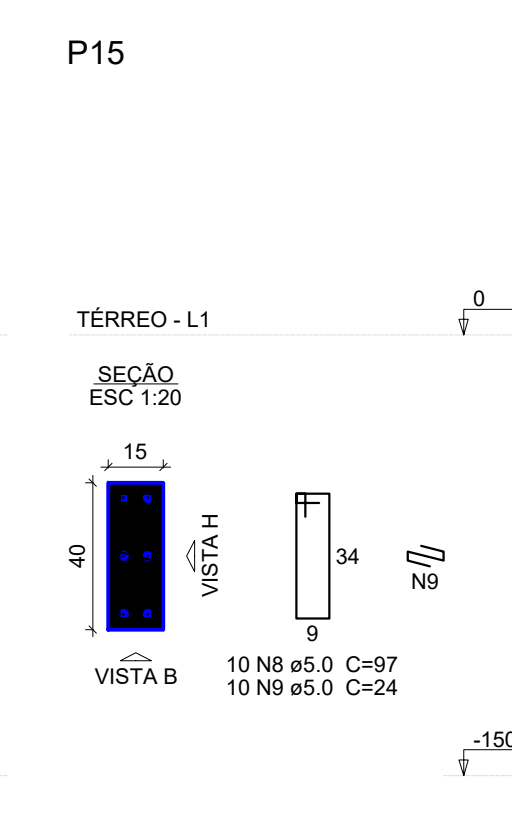
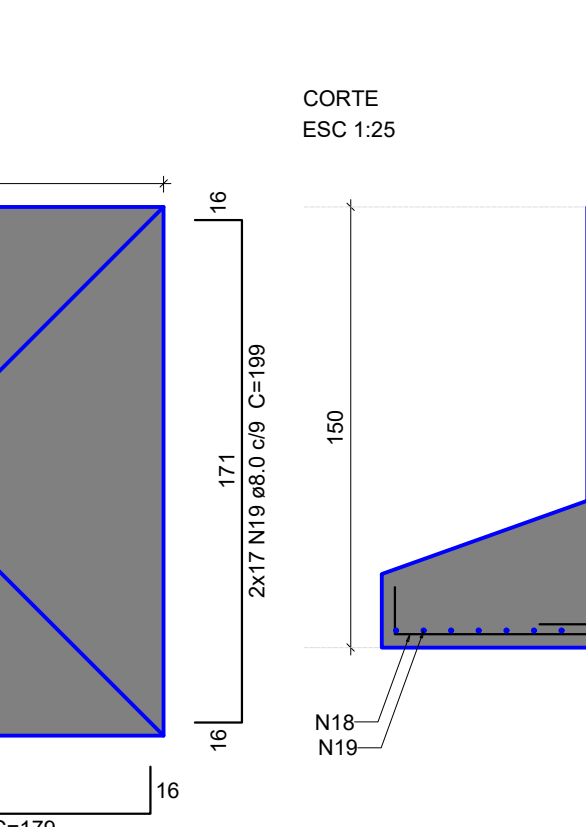
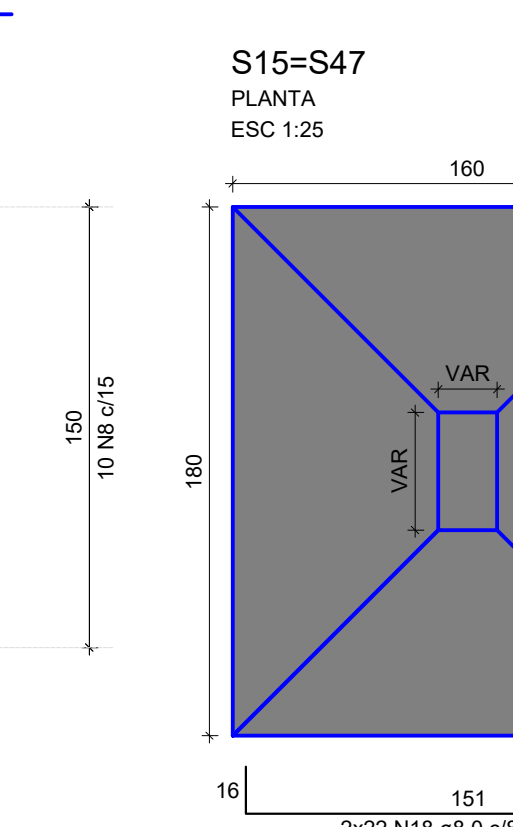
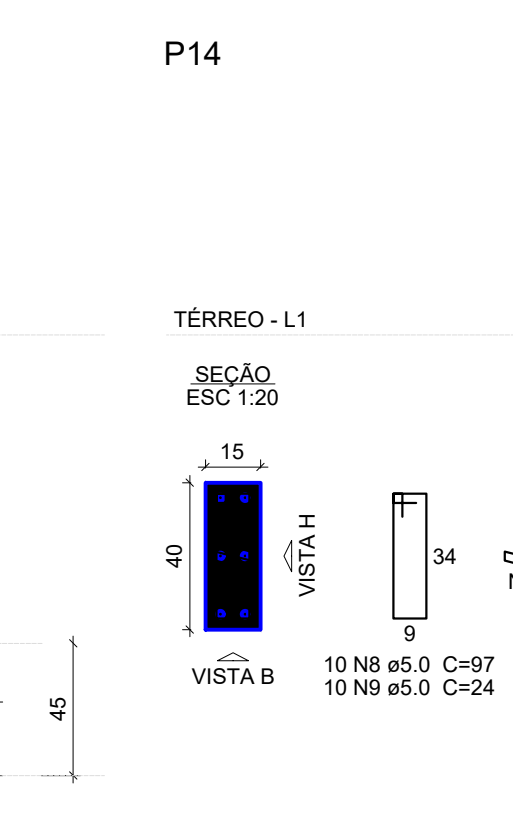
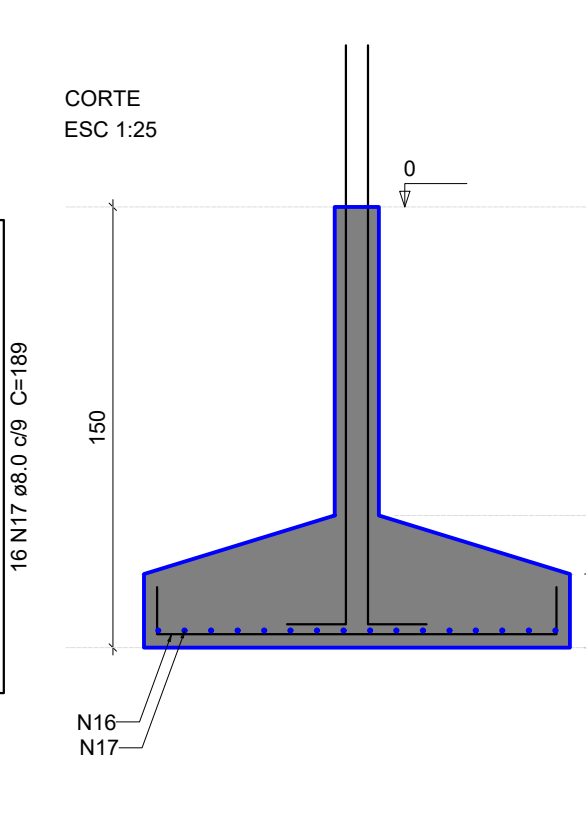
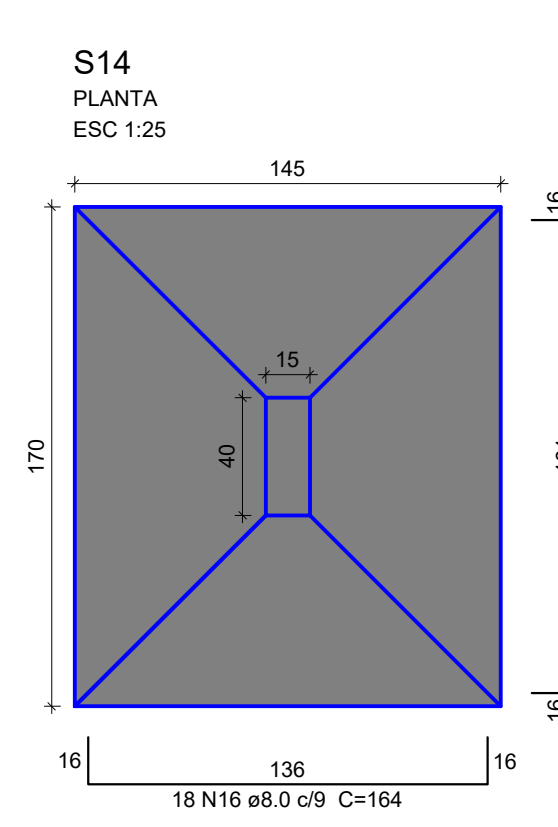
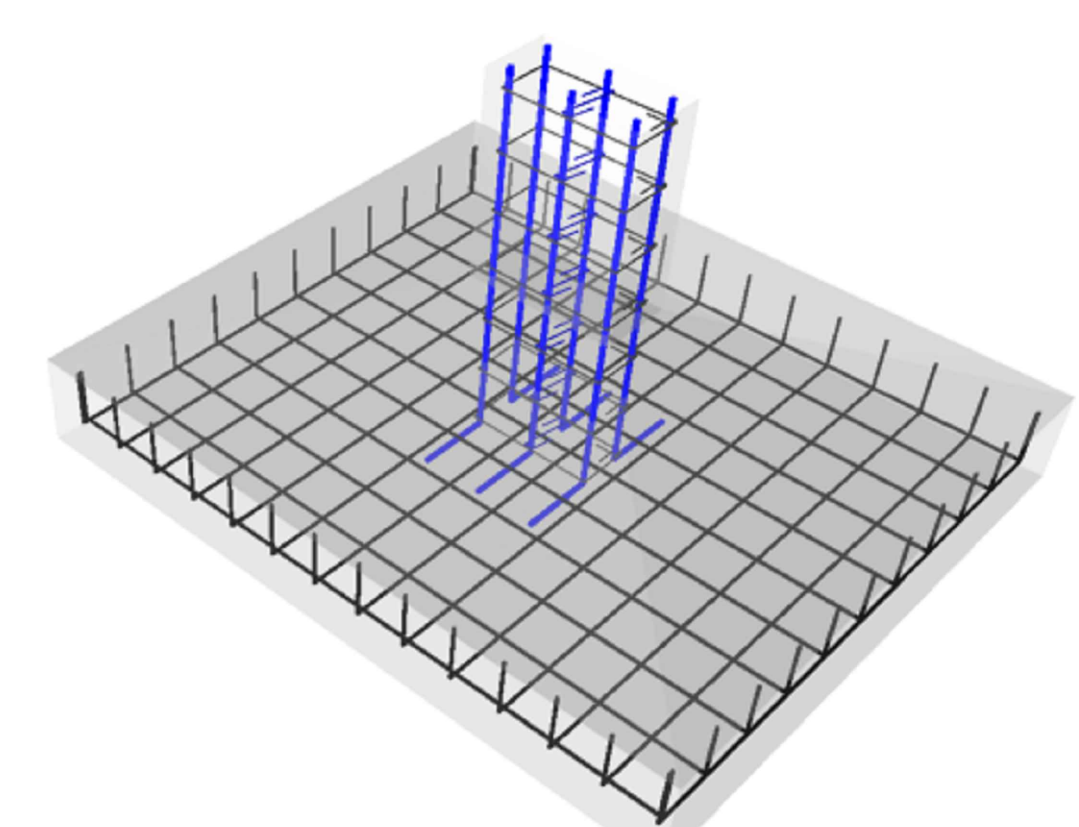
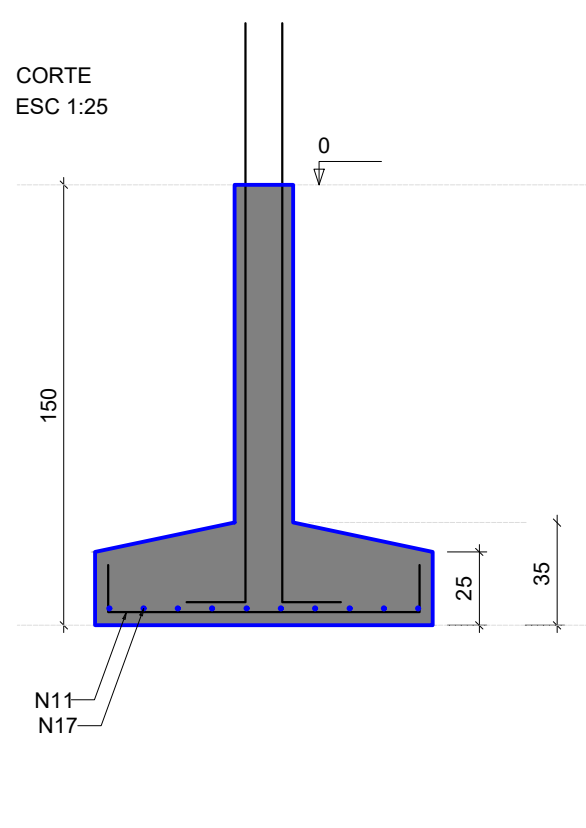
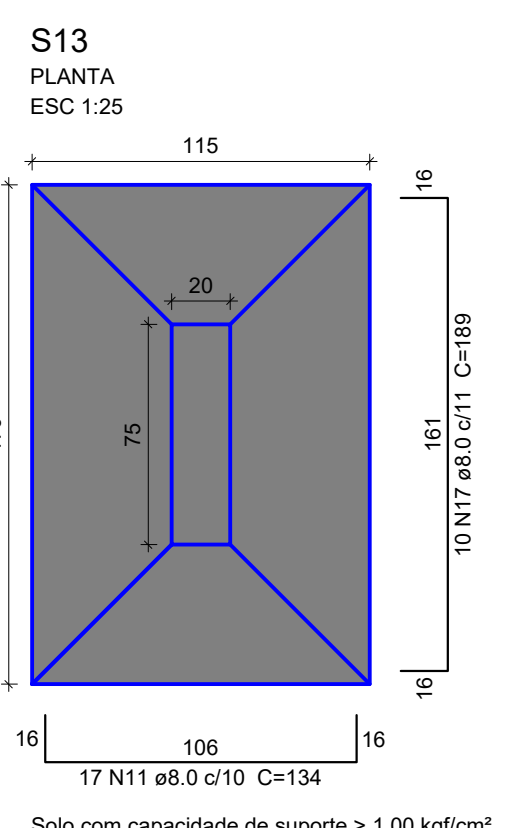
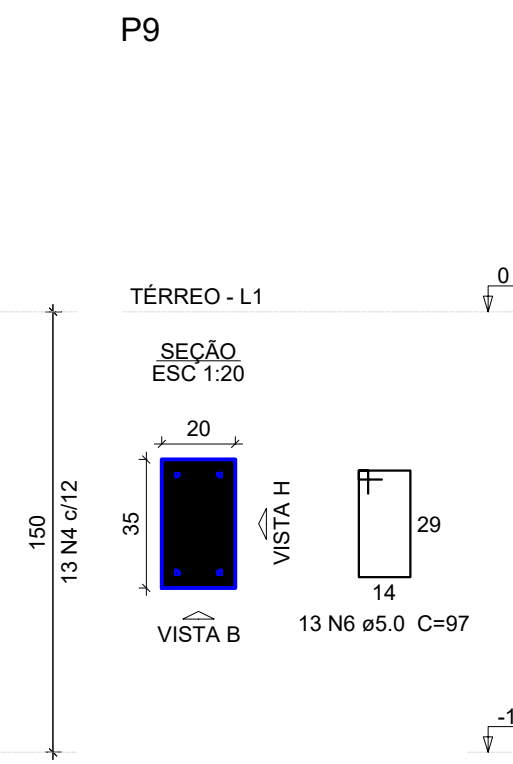
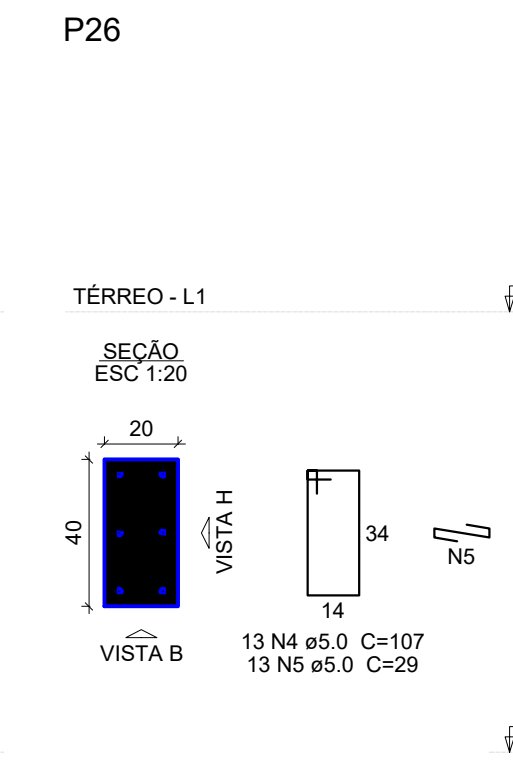
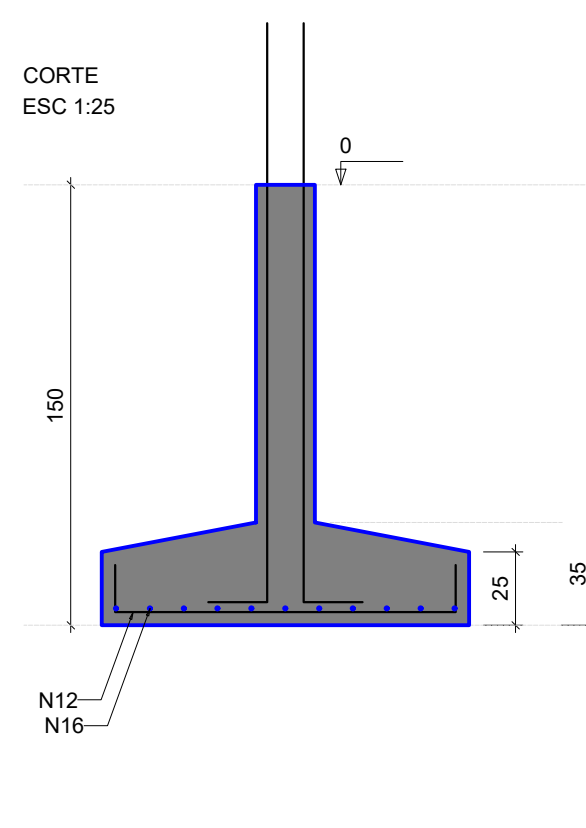
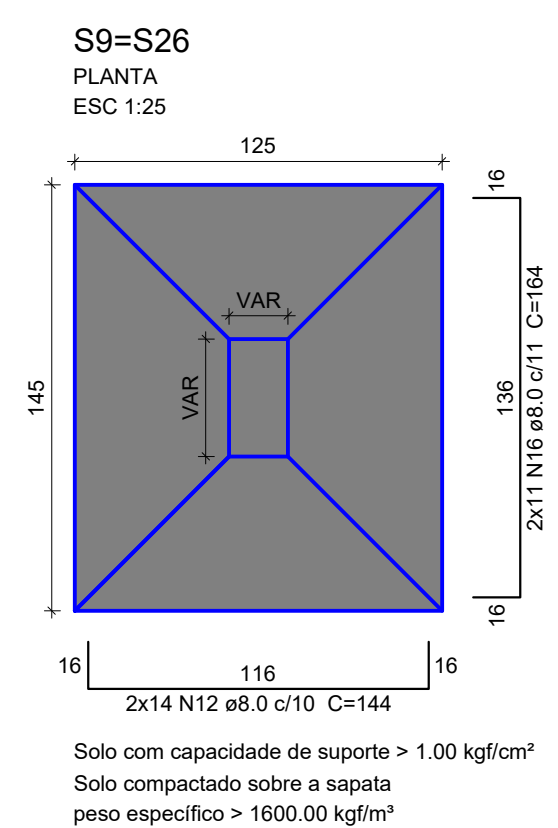
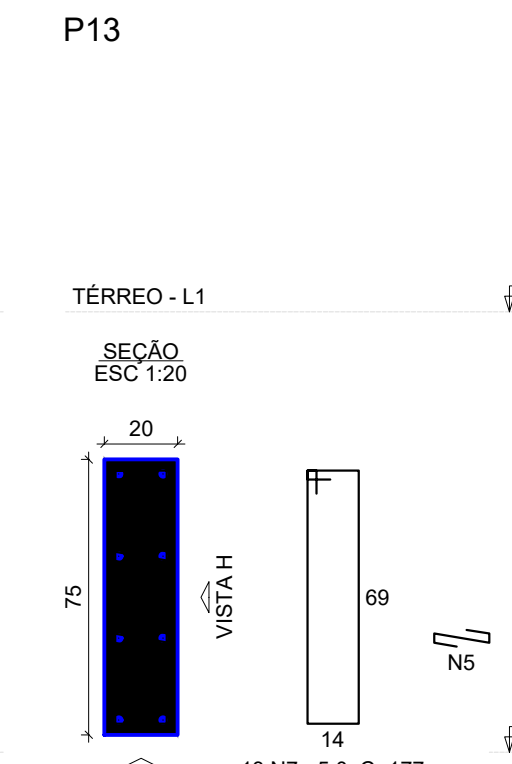
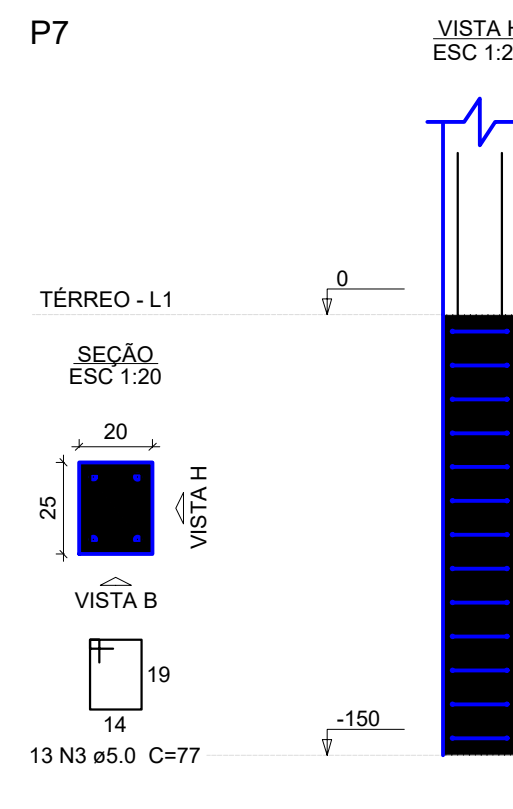
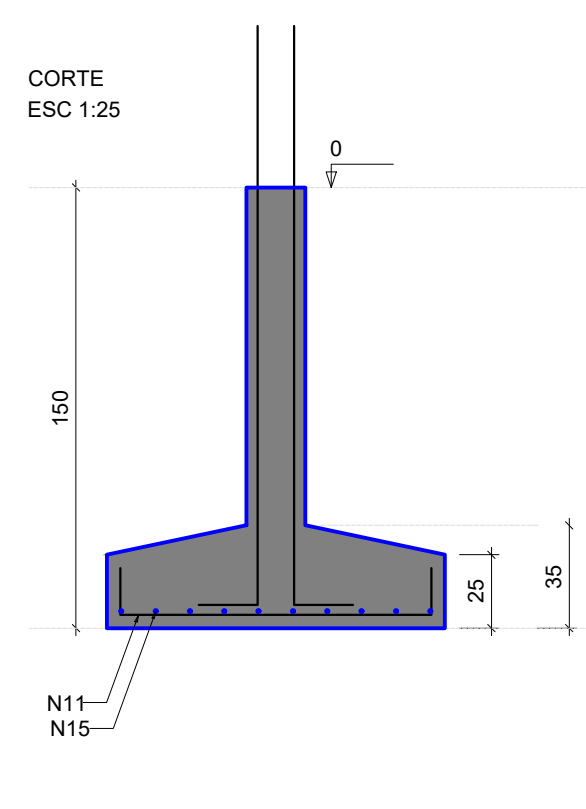
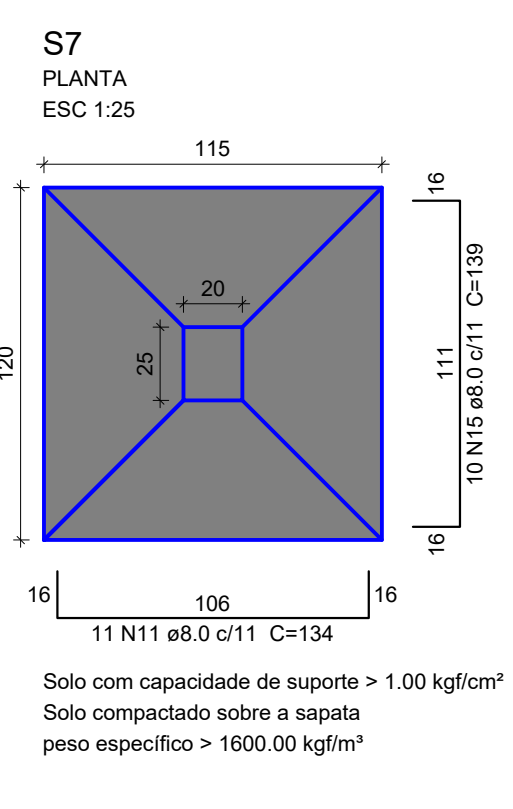
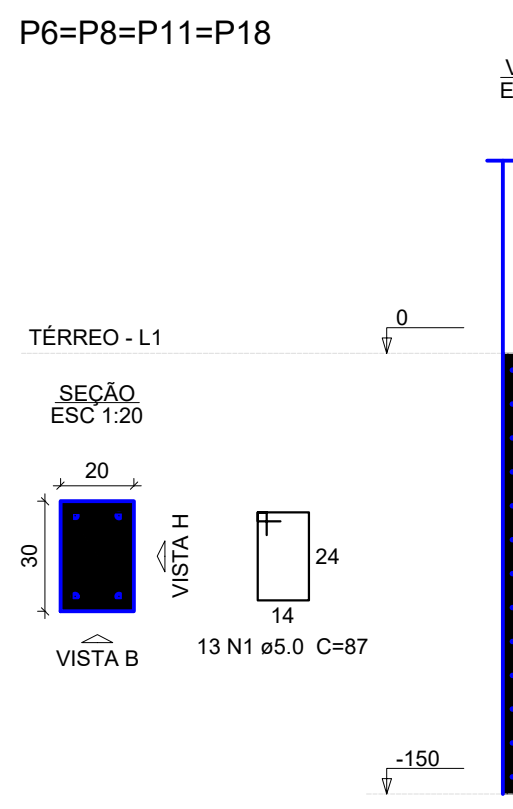
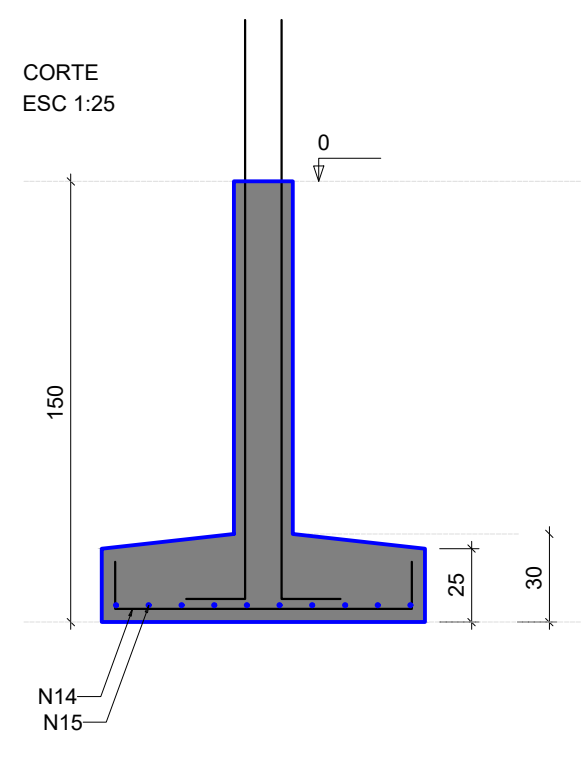
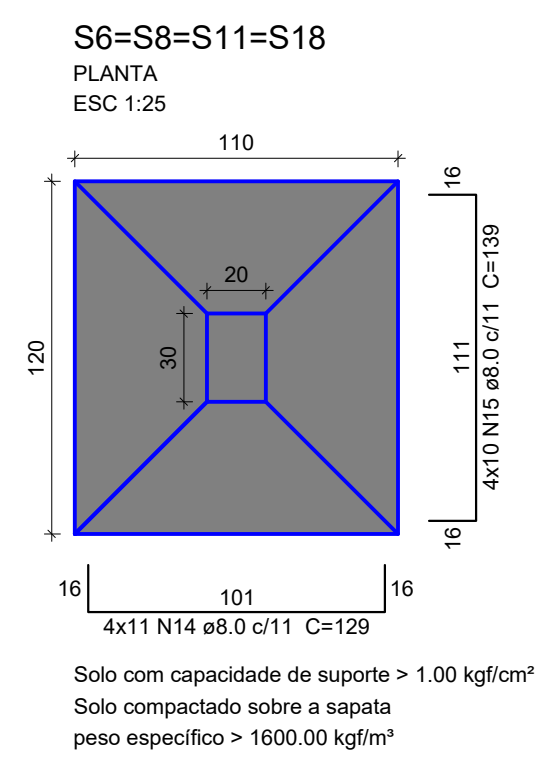
7xS1	8xS1	8xS1	8xS1
4xS11	8xS1	8xS1	8xS1
S17	2xS21	2xS21	2xS21
S31	2xS21	2xS21	2xS21

CAO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	312	87	27144
	2	5.0	26	77	2002
	3	5.0	26	77	2002
	4	5.0	26	107	2782
	5	5.0	65	20	1885
	6	5.0	26	97	2522
	7	5.0	13	177	2301
	8	5.0	20	97	1940
CA50	9	5.0	20	24	480
	10	8.0	86	34	10564
	11	8.0	151	134	20234
	12	8.0	78	144	11232
	13	8.0	16	114	1824
	14	8.0	44	120	5676
	15	8.0	50	130	6500
	16	8.0	157	164	25748
	17	8.0	26	180	4914
	18	8.0	44	179	7878
	19	8.0	34	186	6768
	20	8.0	126	154	19404
	21	10.0	142	219	31086
	22	10.0	10	153	1530
	23	10.0	8	168	1344
	24	12.5	12	216	2616

Resumo do aço

CAO	DIAM (mm)	C.TOTAL (cm)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CAO	8.0	1212.9	112	526.4
CAO	10.0	339.8	32	230.4
CAO	12.5	26.2	3	27.7
PESO TOTAL (kg)		430.6		73

Volume de concreto (C-30) = 19.79 m³  
Área de forma = 86.14 m²



- Características do Projeto
- 1 - COBRIMENTO DAS ARMADURAS - PILARES E VIGAS: 3 cm
  - 2 - COBRIMENTO DAS ARMADURAS - LAJES E ESCADAS: 3 cm
  - 3 - COBRIMENTO DAS ARMADURAS - FUNDAÇÃO: 4.5 cm
  - 4 - PREVER LASTRO DE CONCRETO MAGRO (5 cm) SOB AS ESTRUTURAS EM CONCRETO.

- NOTAS 1 : DURABILIDADE
- 1 - CLASSE DE AGRESSIVIDADE AMBIENTAL: II
  - 2 - MÓDULO DE ELASTICIDADE > 35.42 GPa
  - 3 - FATOR A/c < 0.4
  - 4 - AÇO CA 50A e CA 60B
  - 5 - CONCRETO CLASSE > 30 MPa
  - 6 - CONSUMO DE CIMENTO > 350 Kg/m³

5 - OS VENTOS INCIDENTES NAS FACES X (90°) E Y (0°), RESPECTIVAMENTE, NÃO OCORREM SIMULTANEAMENTE.

NOTAS 2 : NORMAS

- NBR 06118 - 2023 - Projeto de Estruturas de Concreto armado
- NBR 06120 - 2019 - Cargas para o Cálculo de Estruturas de Edifícios - Procedimento
- NBR 06123 - 2023 - Forças Devidas ao Vento em Edifícios
- NBR 8681 - 2003 - Argões e Segurança nas Estruturas
- NBR 6122 - 2022 - Projeto e execução de Fundações

LEGENDA DA PLANTA DE LOCAÇÃO

- 1 - ORIENTAÇÃO DOS EIXOS DOS PILARES
- 2 - ORIENTAÇÃO DOS EIXOS DOS PILARES

NOTAS 3 : GERAIS

- 1 - Dimensões em Centímetros e Níveis em metros
- 2 - Conferir as disposições das armaduras antes da concretagem.
- 3 - A Responsabilidade pela fiscalização do obra é do Engº resp Técnico.
- 4 - Aceptarmos a medição de corpos de prova para cada caminho betoneira.
- 5 - Respeitar as prazos mínimos para retirada de formas e escoramentos.
- 6 - Evitar romper concreto após endurecido, com marreta e talhadeira.
- 7 - Toda e qualquer alteração no respectivo projeto, o Calculista deverá ser consultado e o mesmo deverá emitir seu parecer por escrito.



AUTORIA/PROJETO EXECUTIVO		REGISTRO	
ALANA GAZANIGA KLOS		203972D	
REVISÃO			
R00	07/03/2025	EMISSÃO INICIAL	
TÍTULO DO PROJETO			
CENTRO DE ATENÇÃO PSICOSSOCIAL I E II			
SECRETARIA DE ATENÇÃO ESPECIALIZADA À SAÚDE			
00.394.544/0109-03			
PROJETO ESTRUTURAL			
FOLHA: 2 / 17			
NOME PRONÚNCIA - ARQUIVO			
KAYO HENRIQUE MOREIRA	REVISÃO	UNIDADE	07/03/2025
199774D	R00	CM / M	199774D
AUTORIA INTELCTUAL			
REGISTRO			
DIRETOS AUTORIA RESERVADOR CONFORME LEGISLAÇÃO NACIONAL E INTERNACIONAL			