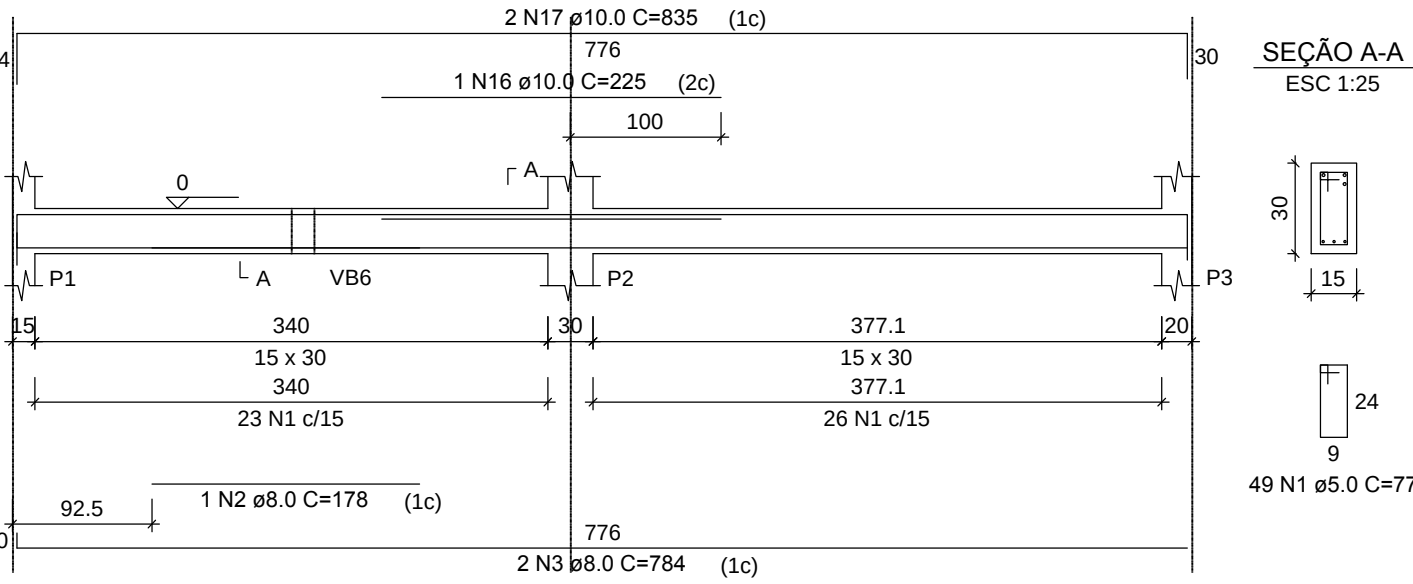


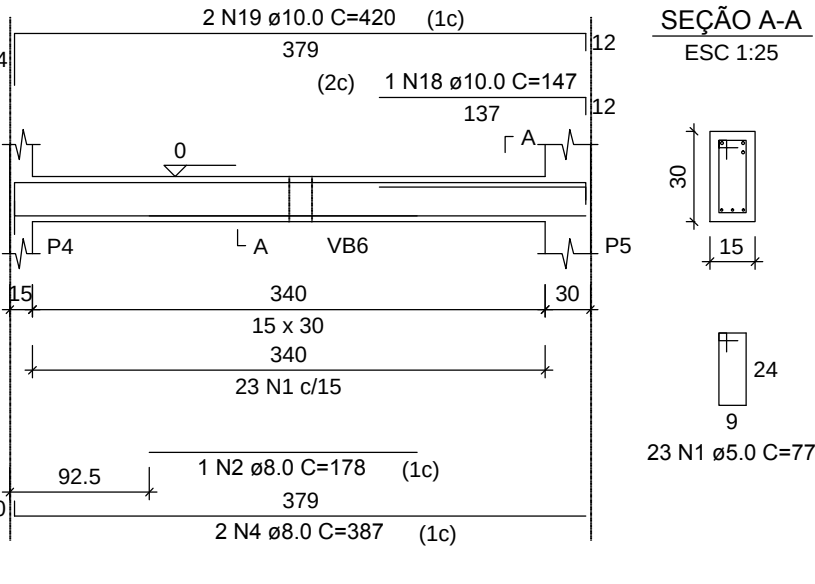
VB1

ESC 1:50



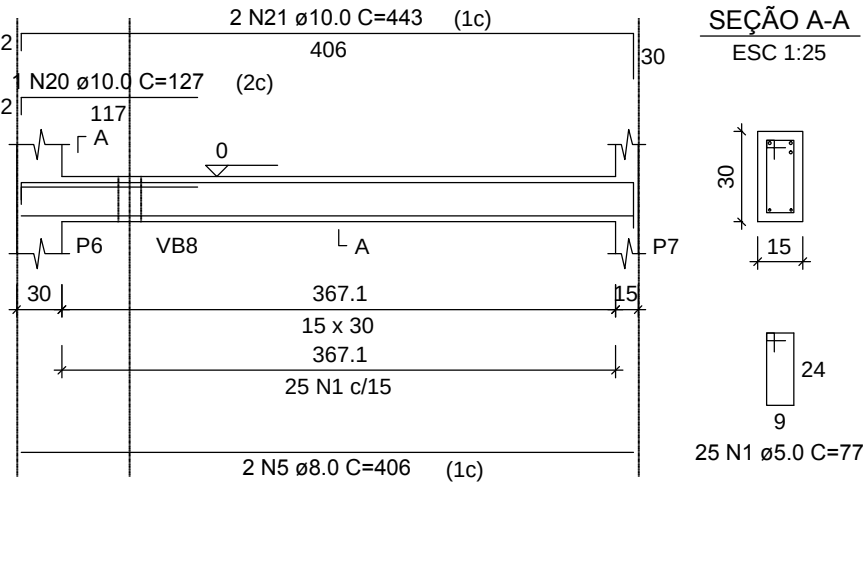
VB2

ESC 1:50



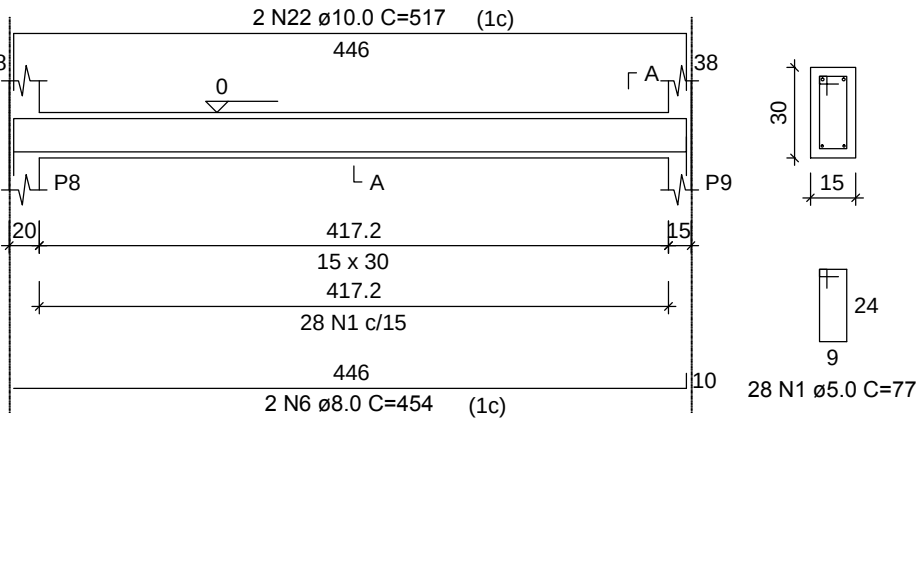
VB3

ESC 1:50



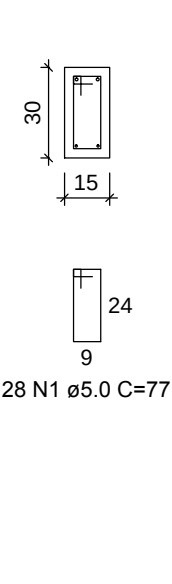
VB4

ESC 1:50



SEÇÃO A-A

ESC 1:25



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	292	77	22484
CA50	2	8.0	2	178	356
	3	8.0	2	784	1568
	4	8.0	2	387	774
	5	8.0	2	406	812
	6	8.0	2	454	908
	7	8.0	2	756	1512
	8	8.0	2	309	618
	9	8.0	2	345	690
	10	8.0	2	518	1036
	11	8.0	2	546	1092
	12	8.0	2	401	802
	13	8.0	1	170	170
	14	8.0	2	441	882
	15	8.0	2	741	1482
	16	10.0	1	225	225
	17	10.0	2	835	1670
	18	10.0	1	147	147
	19	10.0	2	420	840
	20	10.0	1	127	127
	21	10.0	2	443	886
	22	10.0	2	517	1034
	23	10.0	1	165	165
	24	10.0	2	766	1532
	25	10.0	1	190	190
	26	10.0	1	137	137
	27	10.0	2	751	1502

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO*10% (kg)
CA50	8.0	127.1	55.2
CA60	10.0	84.6	57.4
CA60	5.0	226.3	38.3
PESO TOTAL (kg)			
CA50		112.6	
CA60		38.3	

Volume de concreto (C-25) = 2.15 m³
Área de forma = 35.83 m²

RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	60	77	4620
	2	5.0	36	54	1944
	3	5.0	20	87	1740
	4	5.0	12	64	768
	5	5.0	13	23	299
	6	5.0	10	97	970
	7	5.0	6	64	384
	8	5.0	10	67	670
	9	5.0	6	54	324
CA50	10	6.3	22	115	2530
	11	6.3	53	125	6625
	12	6.3	36	110	3960
	13	6.3	36	125	4500
	14	6.3	11	105	1155
	15	6.3	12	100	1200
	16	8.0	30	109	3270
	17	10.0	38	202	7676
	18	10.0	4	233	932
	19	10.0	12	68	816

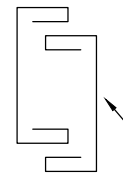
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO*10% (kg)
CA50	6.3	199.9	53.9
CA60	8.0	32.8	14.3
CA60	10.0	94.2	63.9
CA60	5.0	117.9	20.0
PESO TOTAL (kg)			
CA50		132.0	
CA60		20.0	

Volume de concreto (C-25) = 3.03 m³
Área de forma = 22.82 m²

NOTA

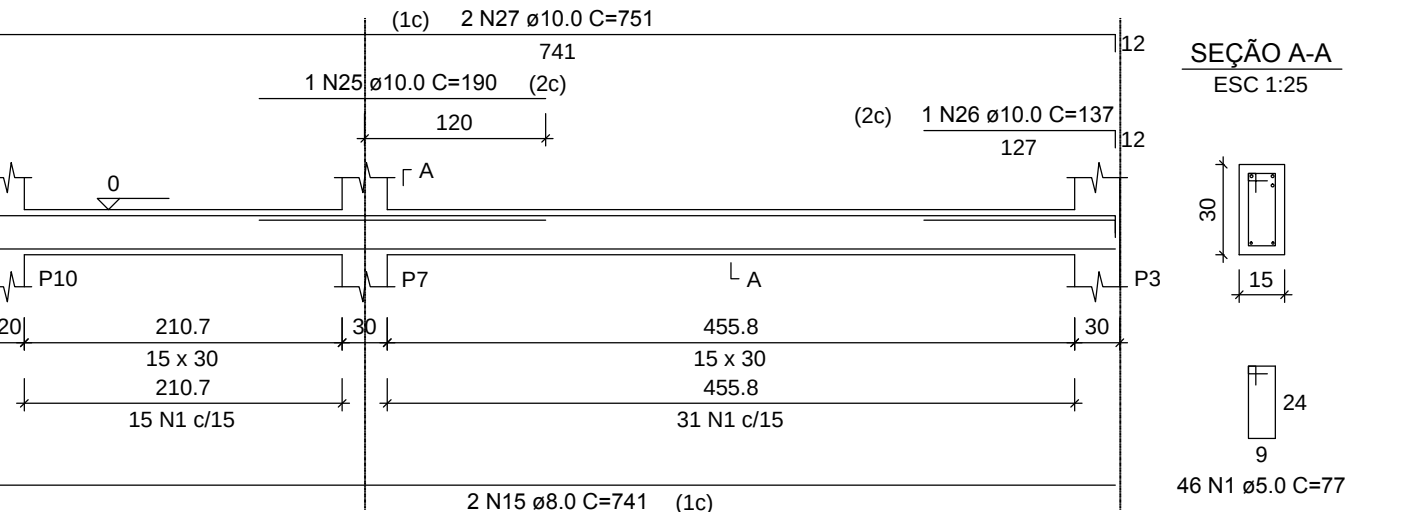
Adotado estribo aberto na região de cruzamento com vigas, para facilitar a montagem da armadura.



ESTRIBO ABERTO

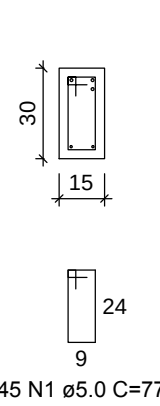
VB9

ESC 1:50



SEÇÃO A-A

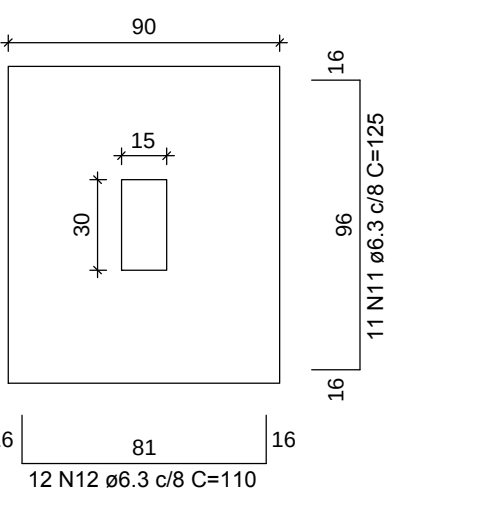
ESC 1:25



S1=S5=S6

PLANTA

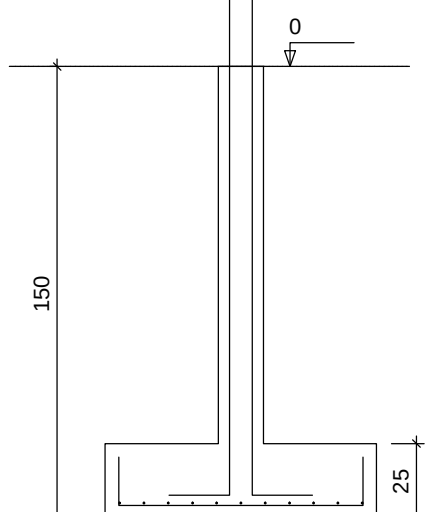
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE

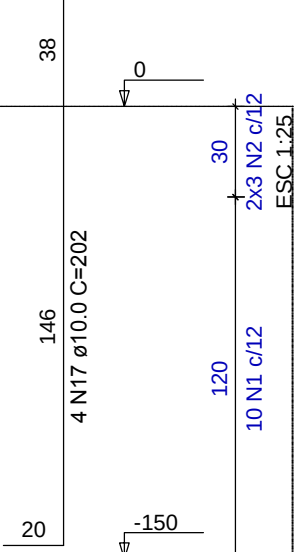
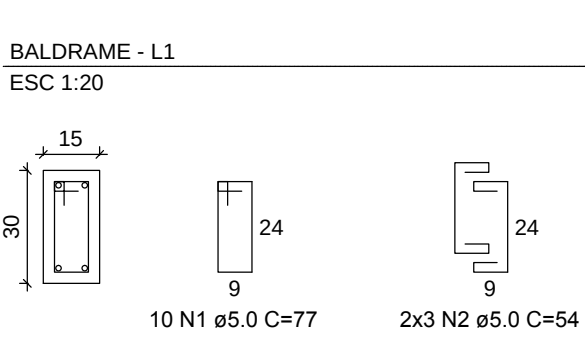
ESC 1:25



P1=P5=P6

BALDRAME - L1

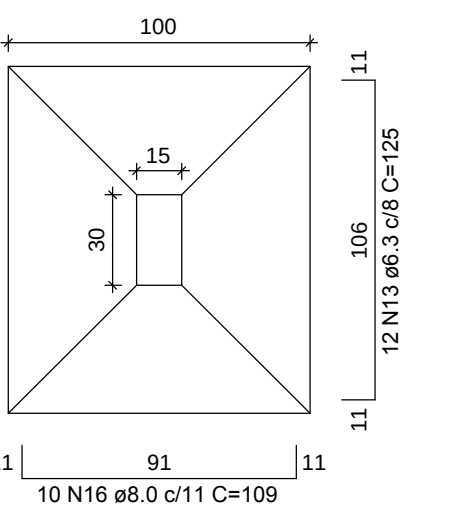
ESC 1:20



S2=S4=S7

PLANTA

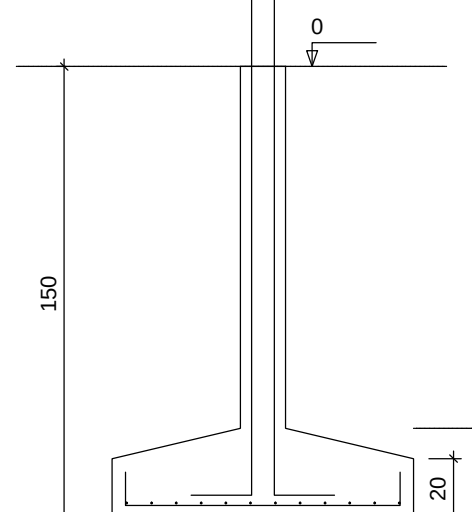
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE

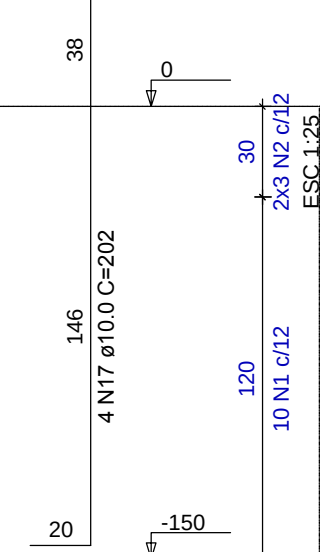
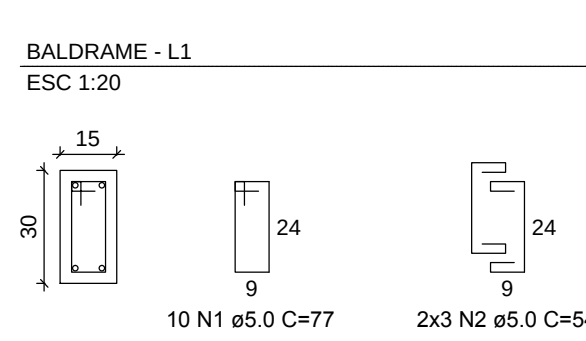
ESC 1:25



P2=P4=P7

BALDRAME - L1

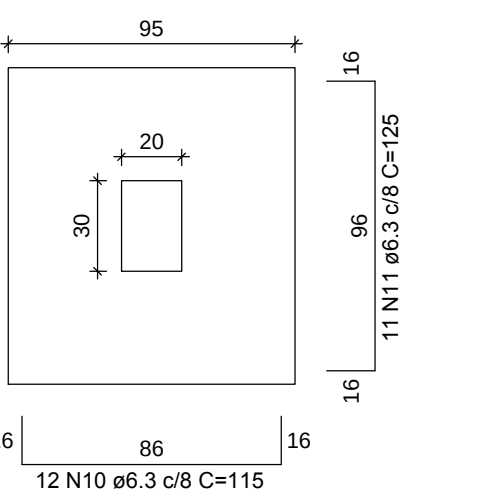
ESC 1:20



S3

PLANTA

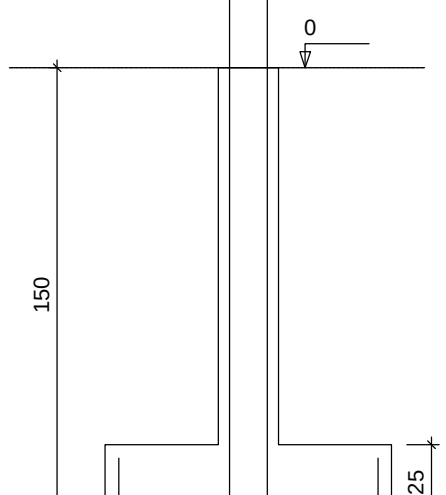
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE

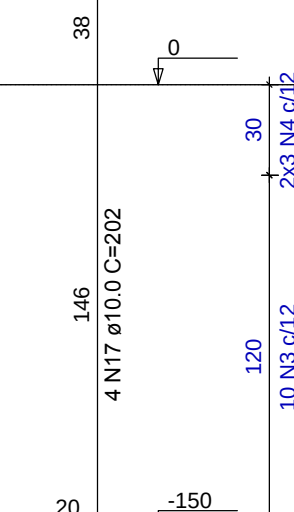
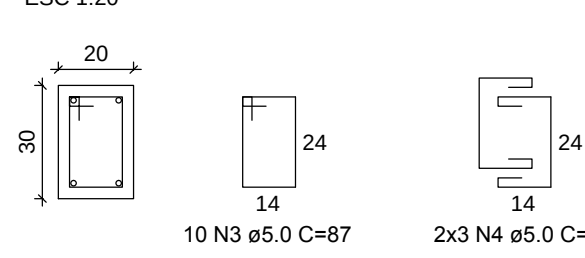
ESC 1:25



P3

BALDRAME - L1

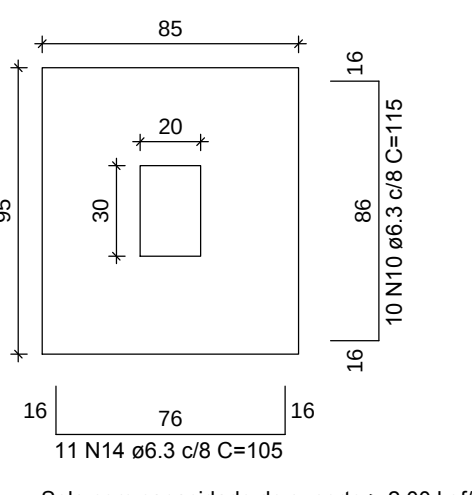
ESC 1:20



S8

PLANTA

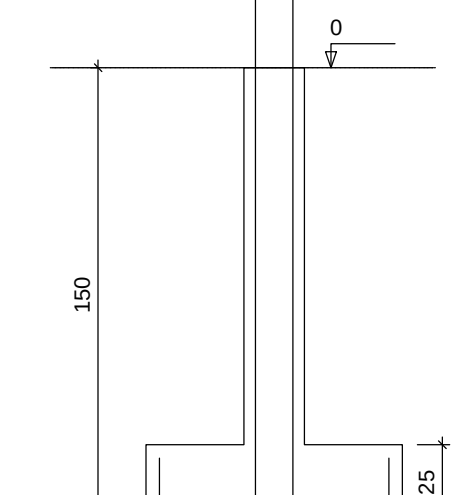
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE

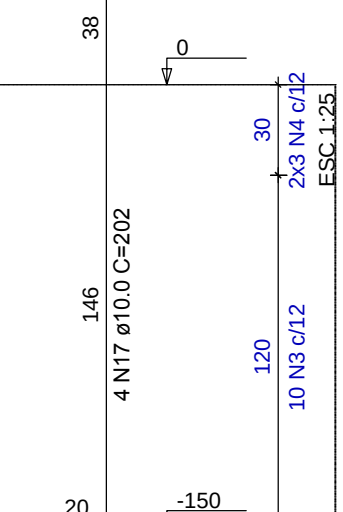
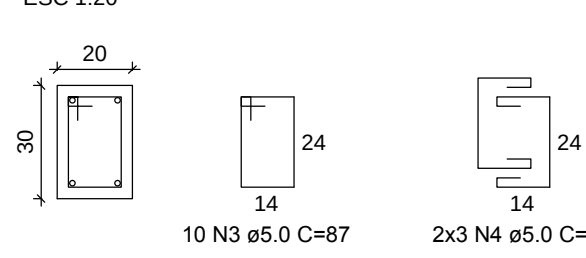
ESC 1:25



P8

BALDRAME - L1

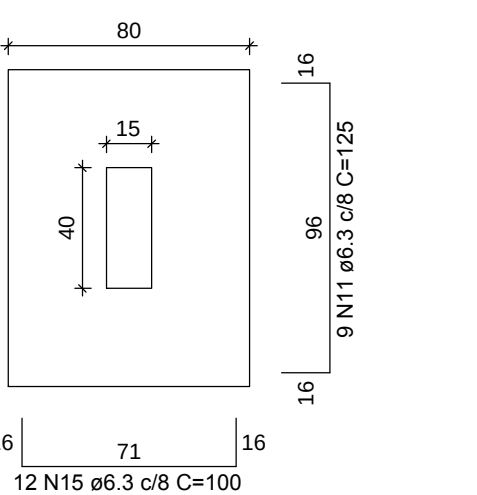
ESC 1:20



S9

PLANTA

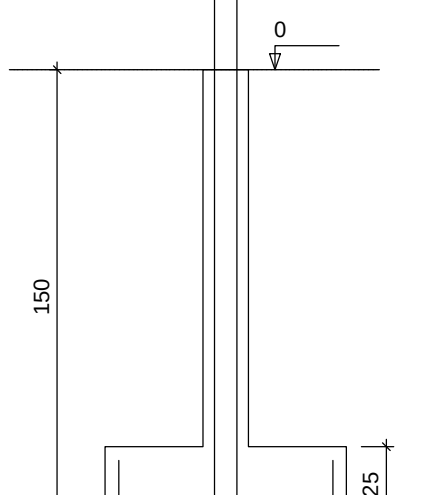
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE

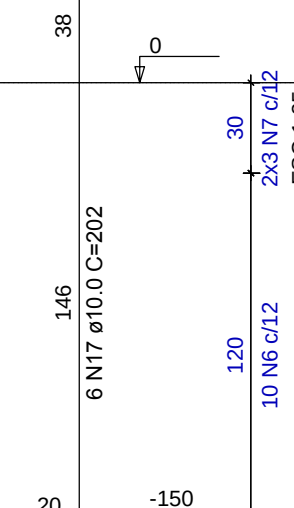
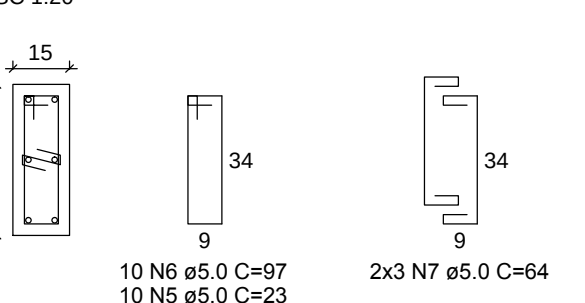
ESC 1:25



P9

BALDRAME - L1

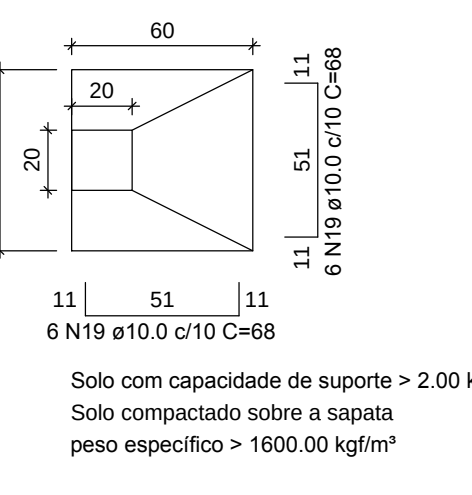
ESC 1:20



S10

PLANTA

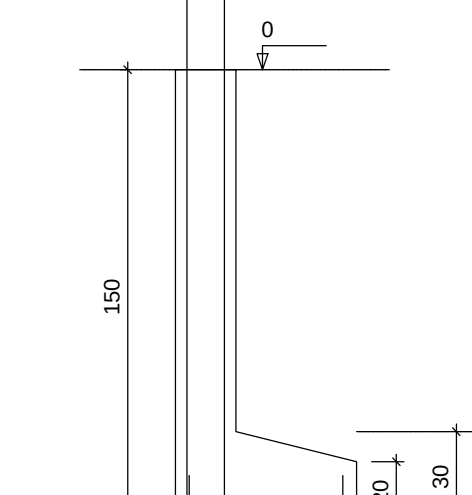
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE

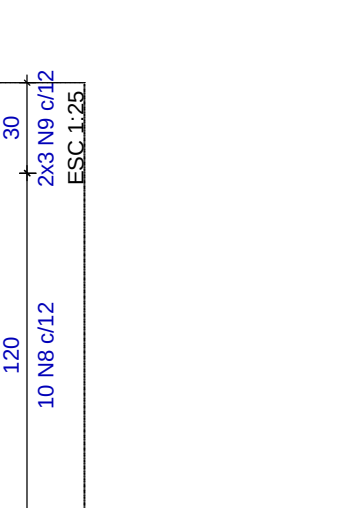
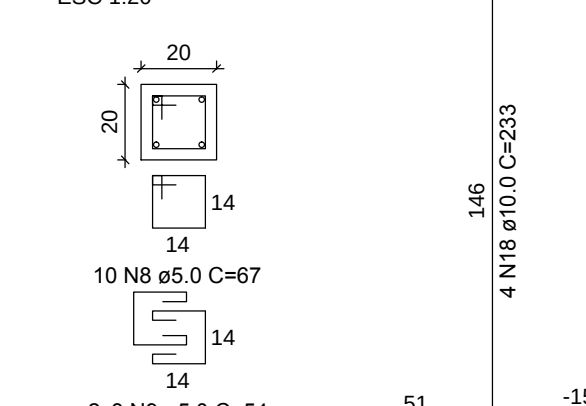
ESC 1:25



P10

BALDRAME - L1

ESC 1:20



GOVERNO DO ESTADO DO TOCANTINS

SECRETARIA DE ESTADO DA SAÚDE

Diretoria de Arquitetura e Engenharia
dos Estabelecimentos de Saúde

OBRA: Ampliação da Ambiência dos Serviços de Parto do Hospital Regional de Dianópolis

ENDEREÇO: Rua 10, lote 01, Quadra 34, Setor Nova Cidade - Dianópolis - TO.

PROJETO: ESTRUTURAL
CONTEÚDO: DETALHAMENTO VIGAS BALDRAME E SAPATAS, RELAÇÃO DO AÇO.

AUTOR DO PROJETO: PAULO CHIANCA SILVA
ANALISTA DE PROJETOS DE OBRAS CIVIS E ARQUITETÔNICAS
MAT. 124288-3
CREA 21143880 - TO
SECRETARIA: MARCELO LUIS GRATÃO CASTRO
DIRETOR DE ARQ. E ENG. DOS ESTAB. DE SAÚDE
MAT. 11503840
CAU. TO 452176-0

ÁREA EXISTENTE:	ÁREA A AMPLIAR:	ÁREA A ADEQUAR:	ÁREA TOTAL:
VER PROJETO ARQUITETÔNICO	VER PROJETO ARQUITETÔNICO	VER PROJETO ARQUITETÔNICO	VER PROJETO ARQUITETÔNICO
TERRENO:	NOME DO ARQUIVO:	DATA:	
VER PROJETO ARQUITETÔNICO	ECA-HOR-PPP-DNP-PE-00	31/03/2018	
		DESENHISTA:	
		Engº Civil Paulo Chianca Silva	

03/04

A1