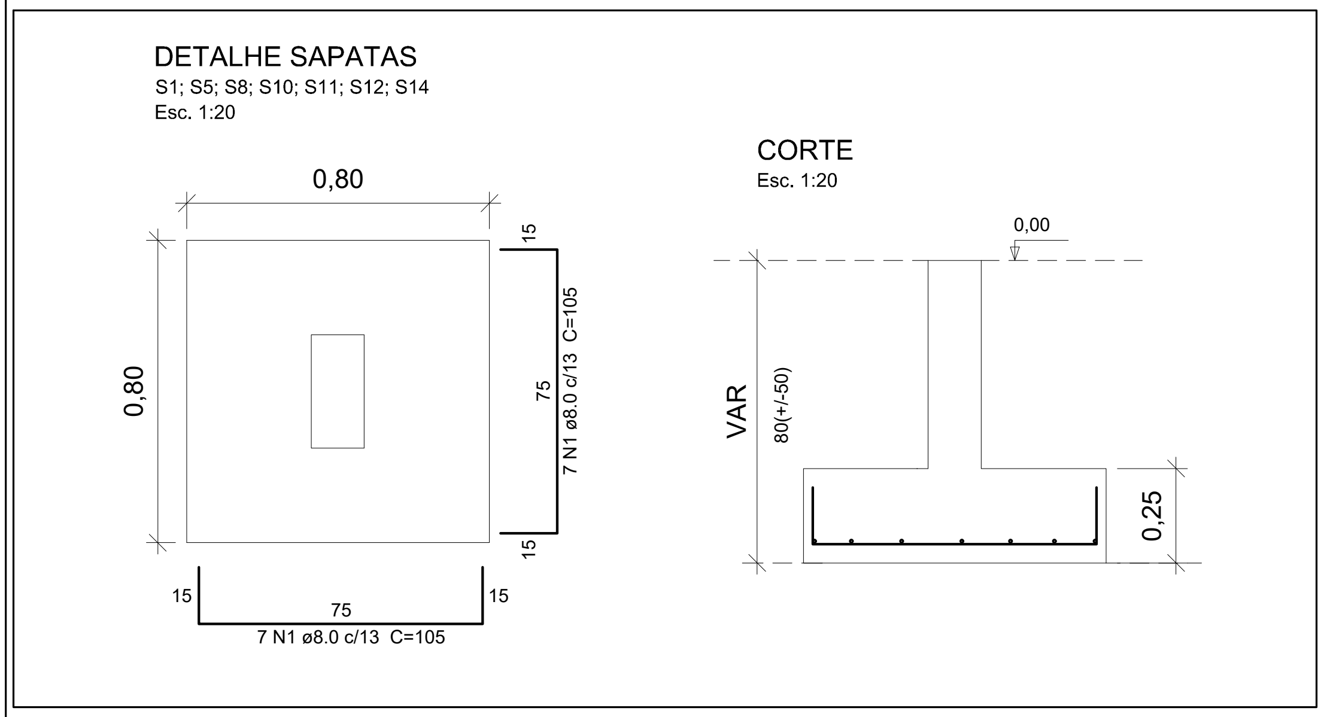
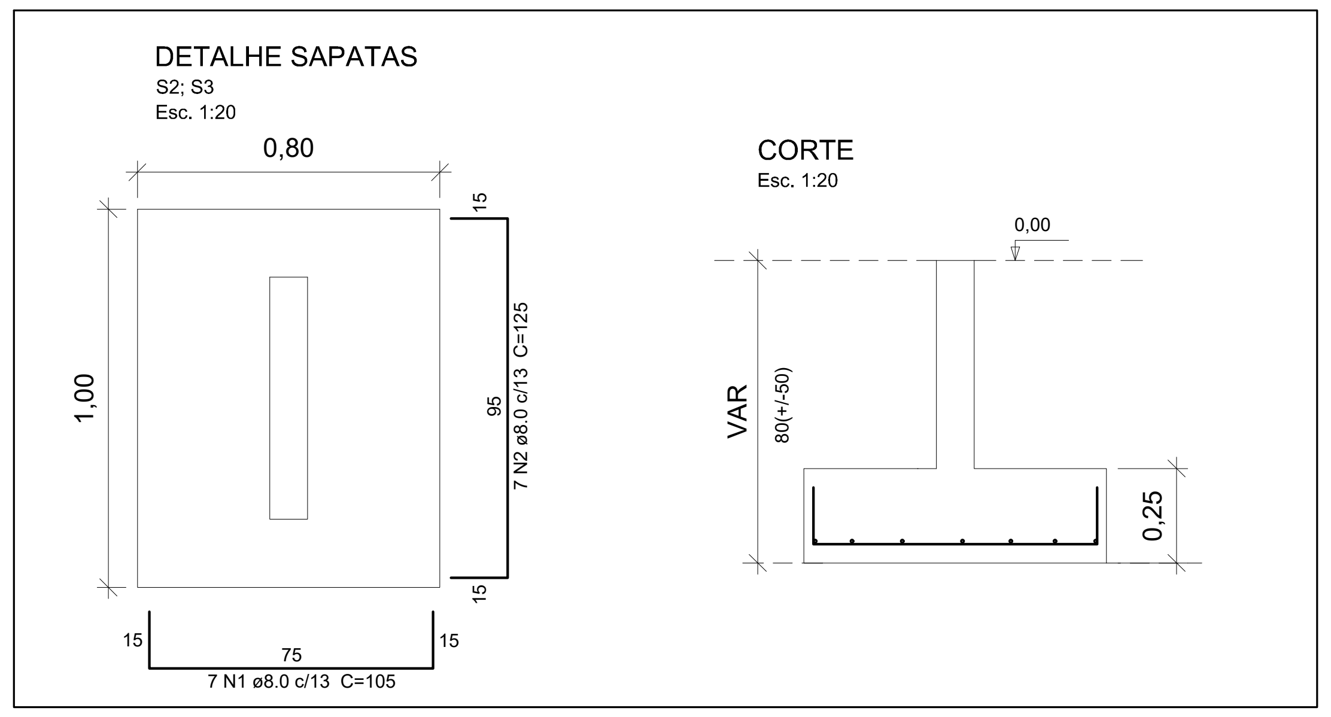
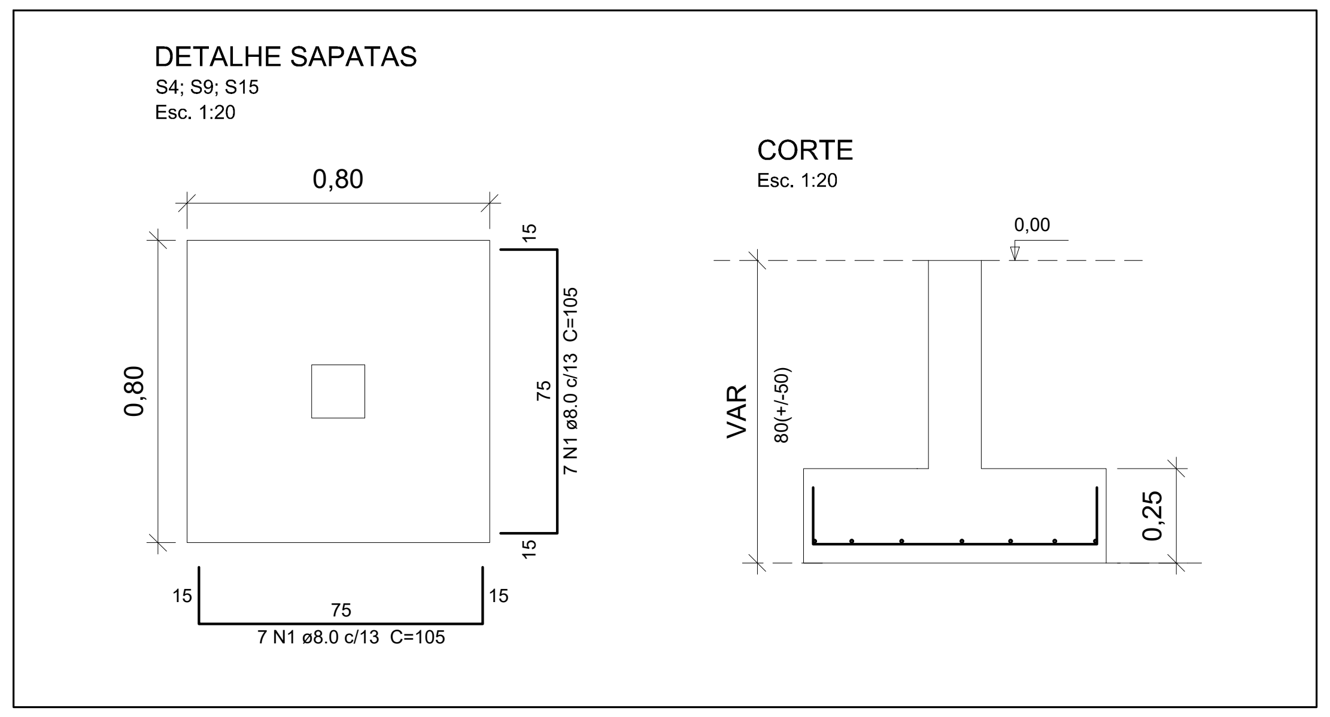
DETALHE SAPATAS
S1; S5; S8; S10; S11; S12; S14
Esc. 1:20



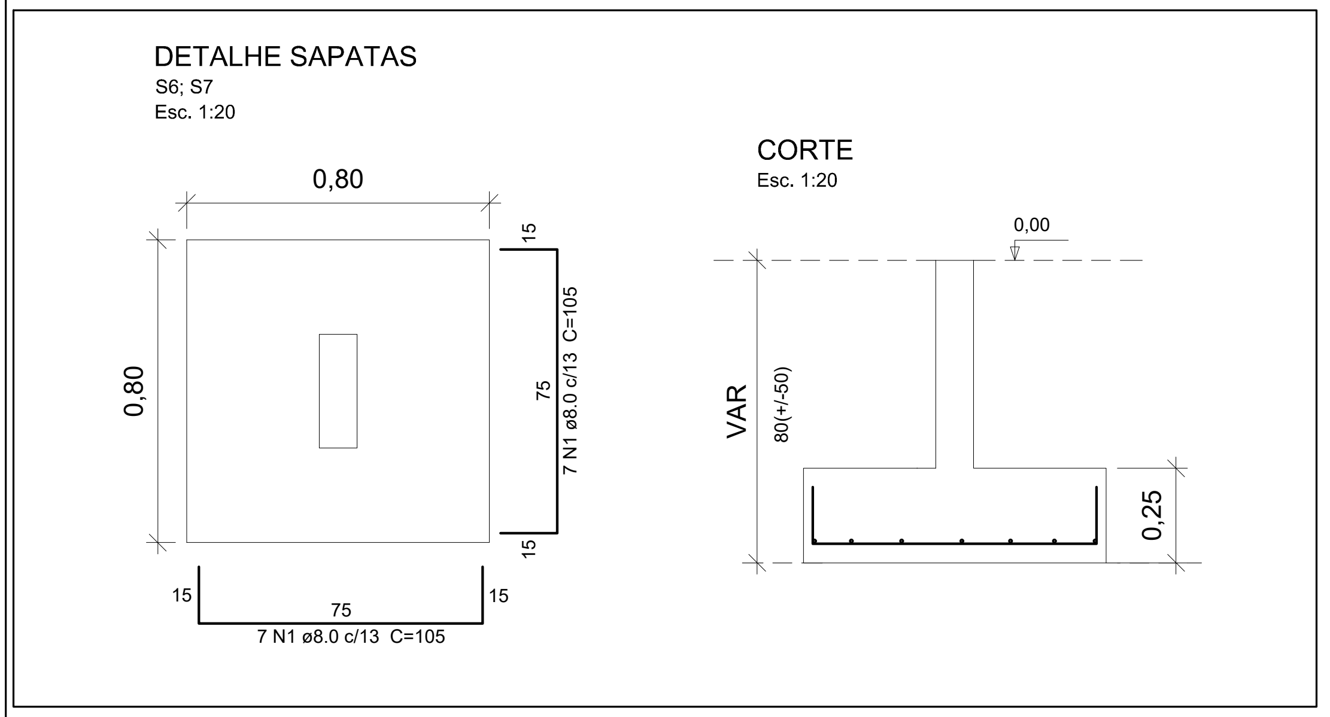
DETALHE SAPATAS
S2; S3
Esc. 1:20



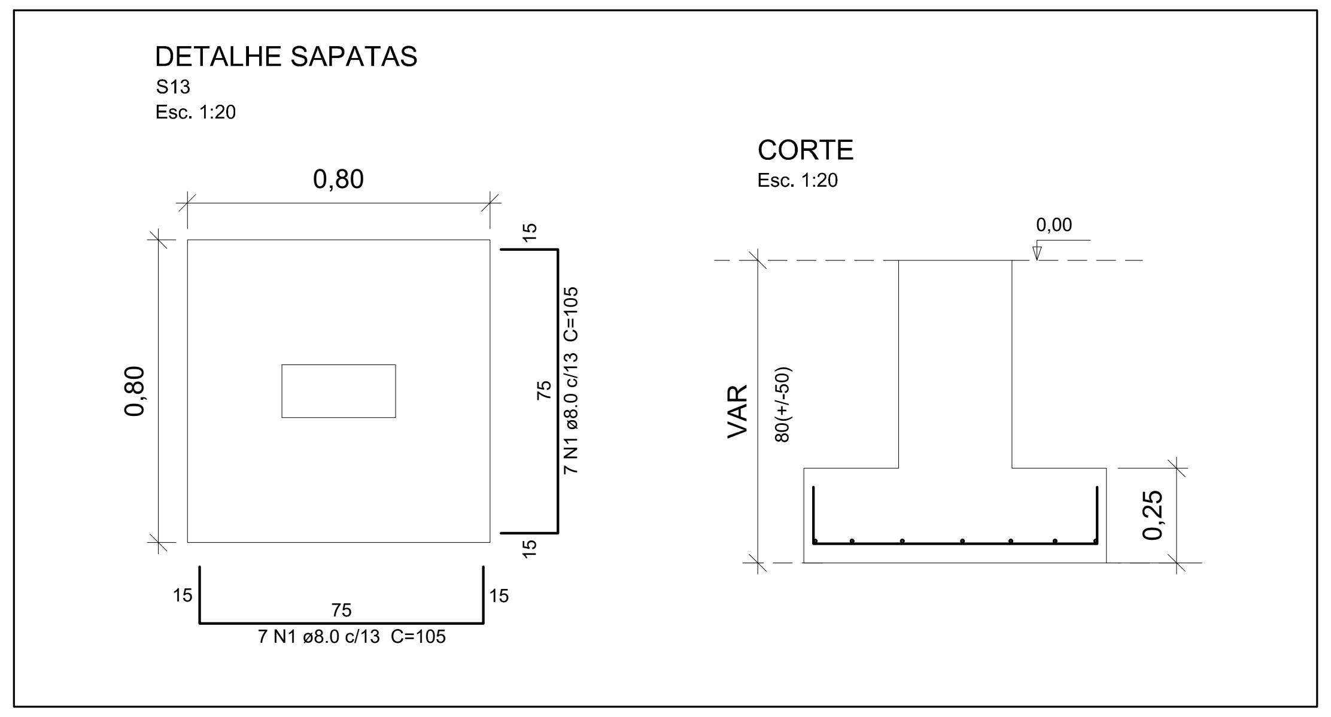
DETALHE SAPATAS
S4; S9; S15
Esc. 1:20



DETALHE SAPATAS
S6; S7
Esc. 1:20



DETALHE SAPATAS
S13
Esc. 1:20



RELAÇÃO DO AÇO - SAPATAS

AÇO	N	DIAMETRO	QUANTIDADE	C. UNIT. (m)	C. TOTAL (m)
CA50	1	8,0	196	1,05	205,80
	2	8,0	14	1,25	17,50

RESUMO DO AÇO - SAPATAS

AÇO	DIAMETRO	C. TOTAL (m)	N BARRAS 12 m	PESO (kg)
CA50	8,0	223,30	19	88,20

VOLUME DE CONCRETO SAPATAS = 2,80m³
ÁREA DE FORMAS = -m²
CONCRETO = Fck 25MPa

RELAÇÃO DO AÇO - PILARES

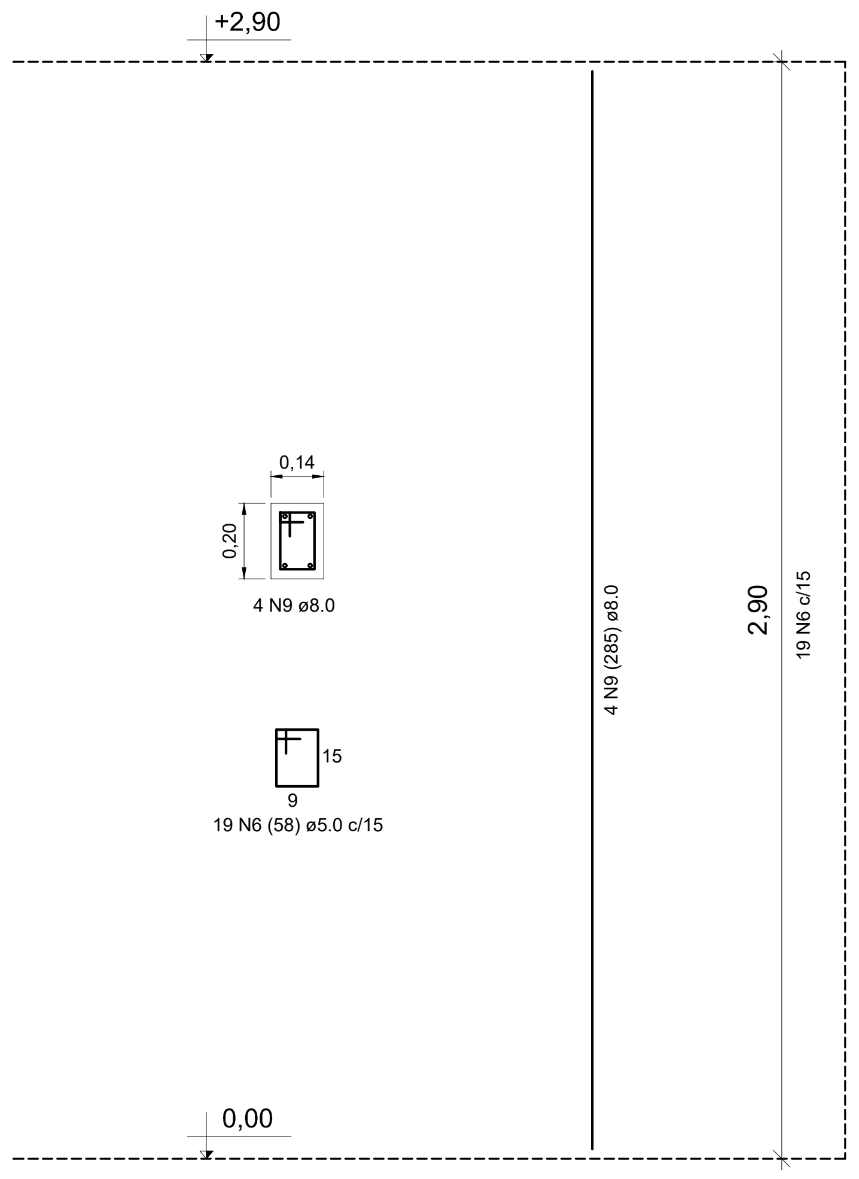
AÇO	N	DIAMETRO	QUANTIDADE	C. UNIT. (m)	C. TOTAL (m)
CA60	1	5,0	1324	0,78	1032,72
	2	5,0	62	1,38	85,56
	3	5,0	16	0,38	6,08
	4	5,0	117	0,46	53,82
	5	5,0	62	0,7	43,40
	6	5,0	108	0,58	62,64
CA50	7	8,0	8	1,35	10,80
	8	8,0	12	2,45	29,40
	9	8,0	8	2,85	22,80
	10	10,0	64	1,78	113,92
	11	10,0	48	3,05	146,40
	12	10,0	4	4,26	17,04
	13	10,0	16	1,77	28,32
	14	10,0	12	3,7	44,40
	15	10,0	12	2,45	29,40
	16	12,5	24	1,78	42,72
	17	12,5	28	3,05	85,40

RESUMO DO AÇO - PILARES

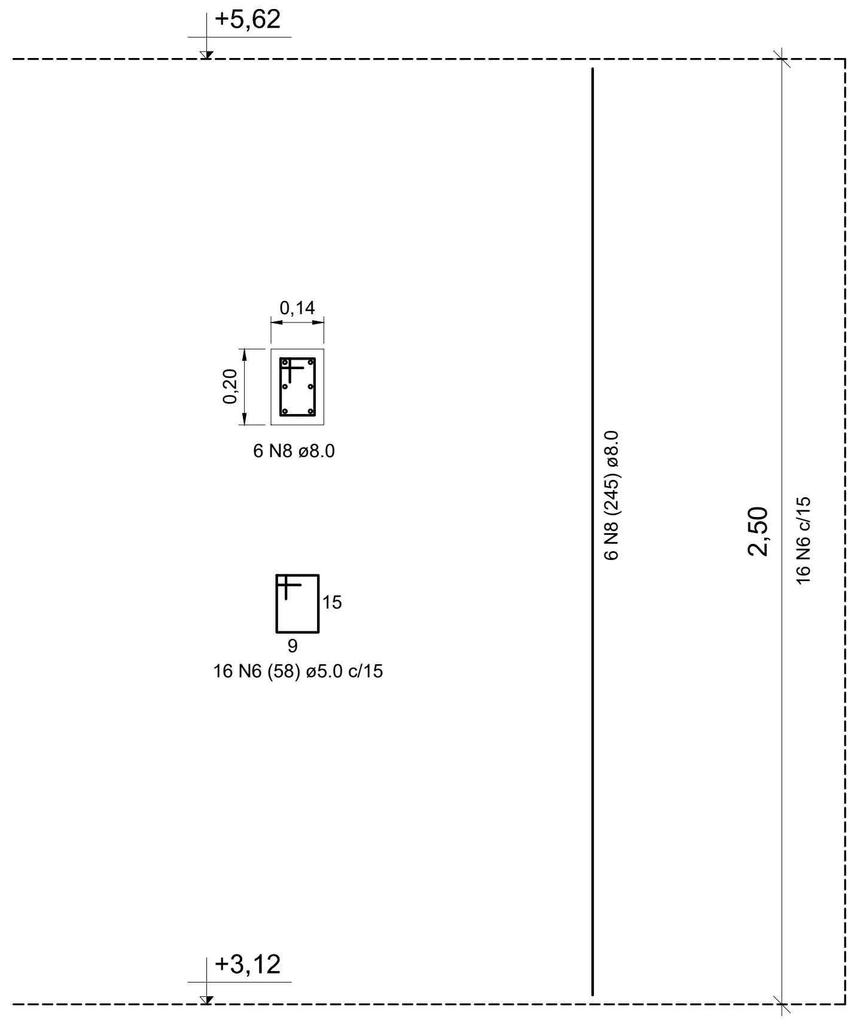
AÇO	DIAMETRO	C. TOTAL (m)	N BARRAS 12 m	PESO (kg)
CA60	5,0	1284,22	108	197,77
CA50	8,0	63,00	6	9,70
	10,0	379,48	32	234,14
	12,5	128,12	11	123,38

VOLUME DE CONCRETO PILARES = 2,61m³
ÁREA DE FORMAS = 60,22m²
CONCRETO = Fck 25MPa

Pa1; Pa2
Esc. 1:20



P16; P17
Esc. 1:20



P10; P14
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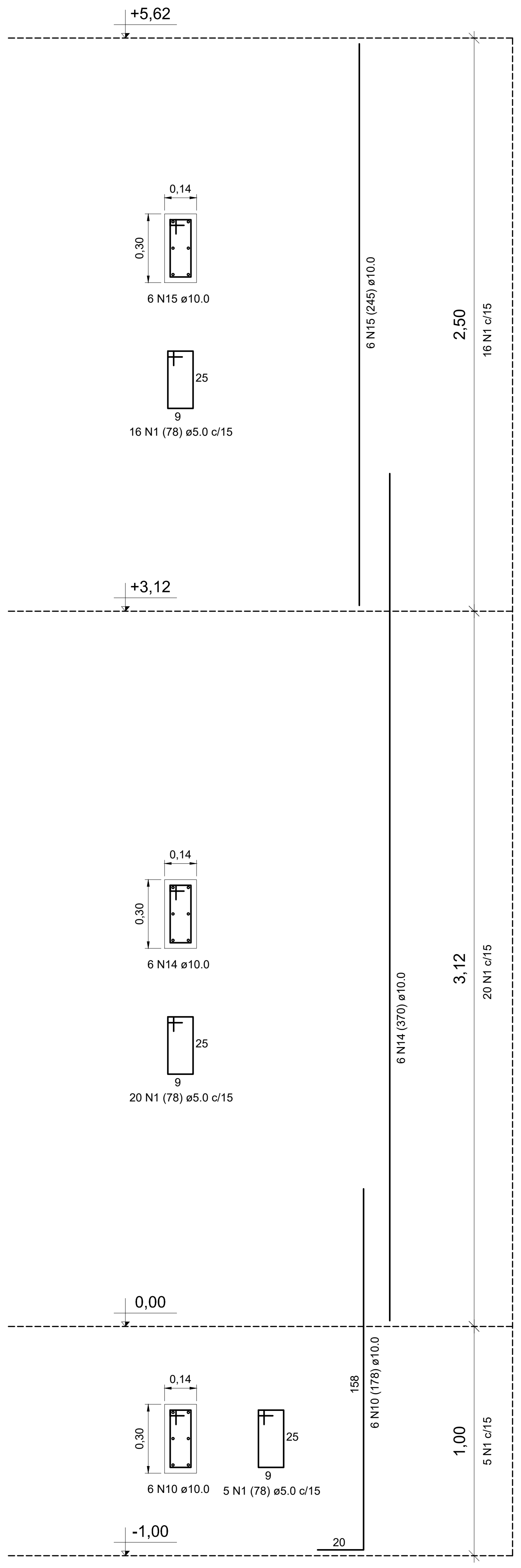
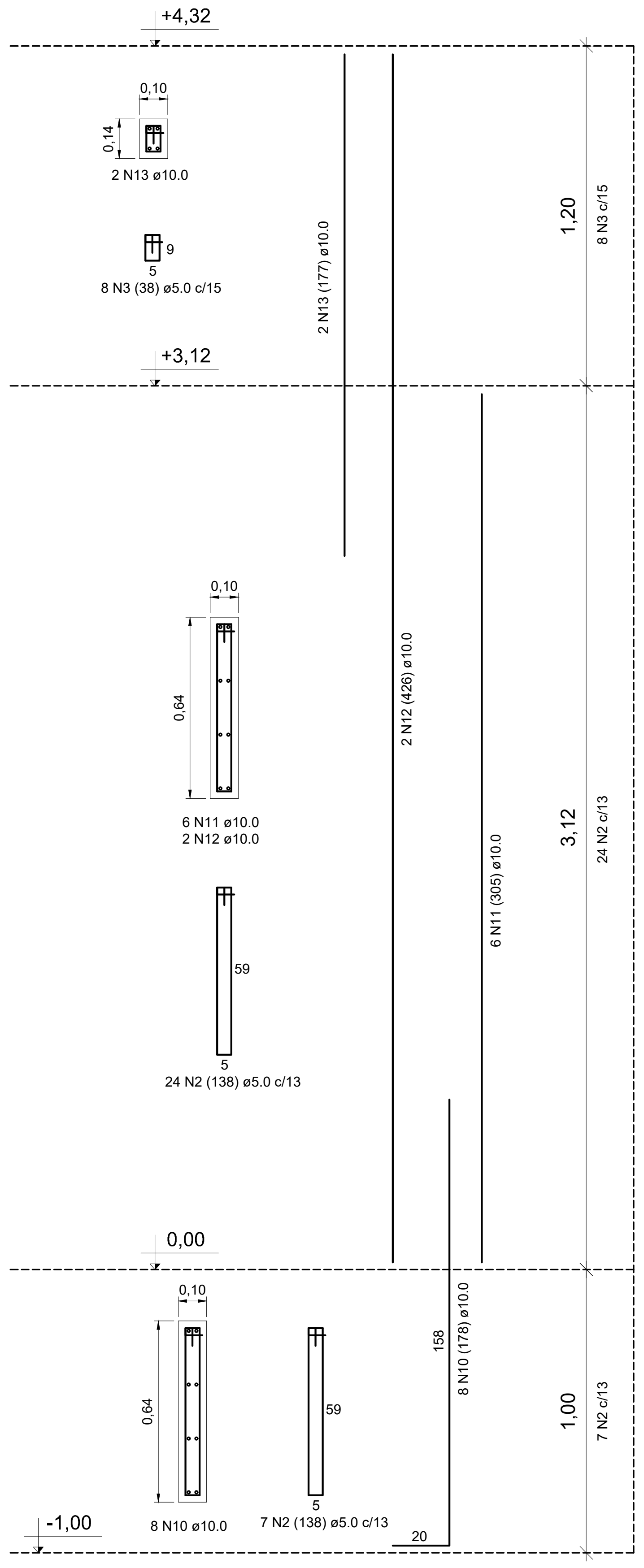
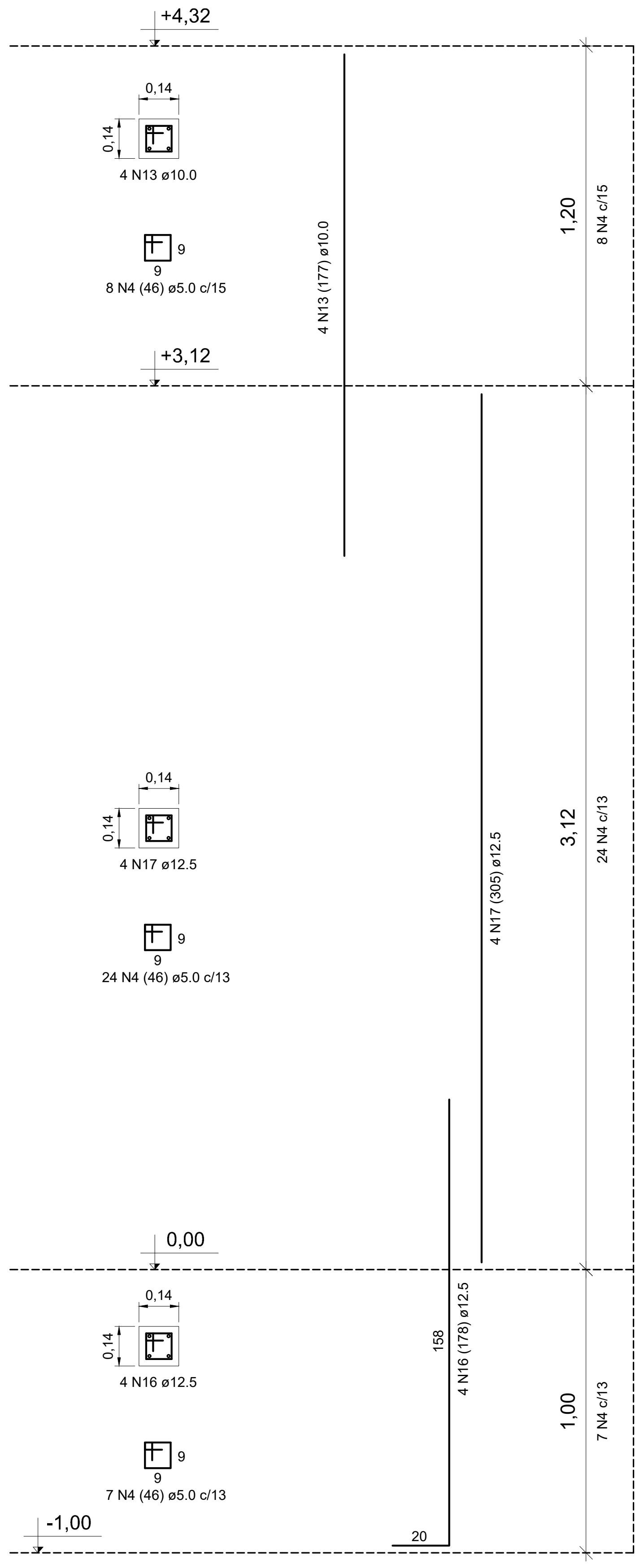


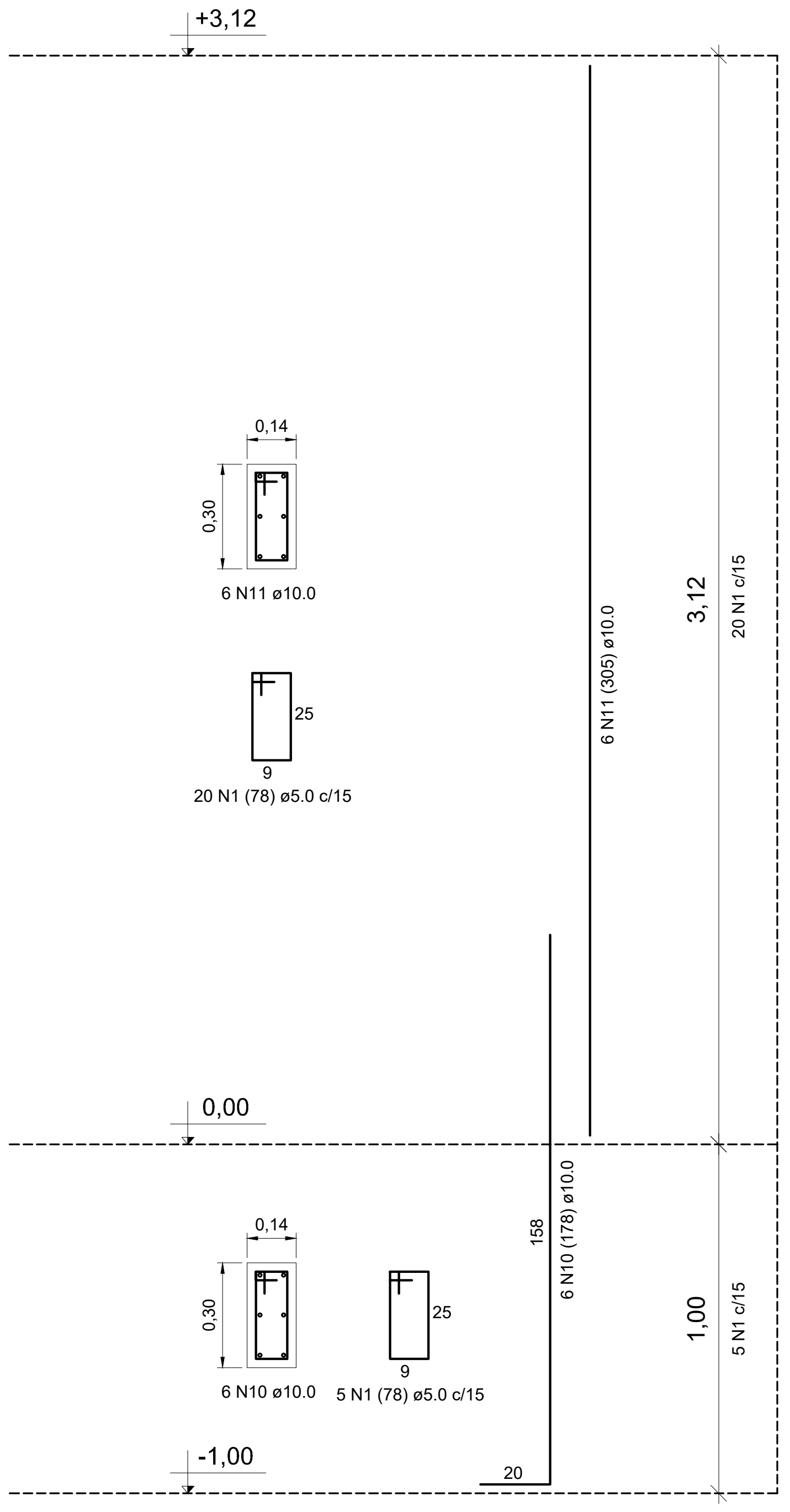
P2; P3
Esc. 1:20



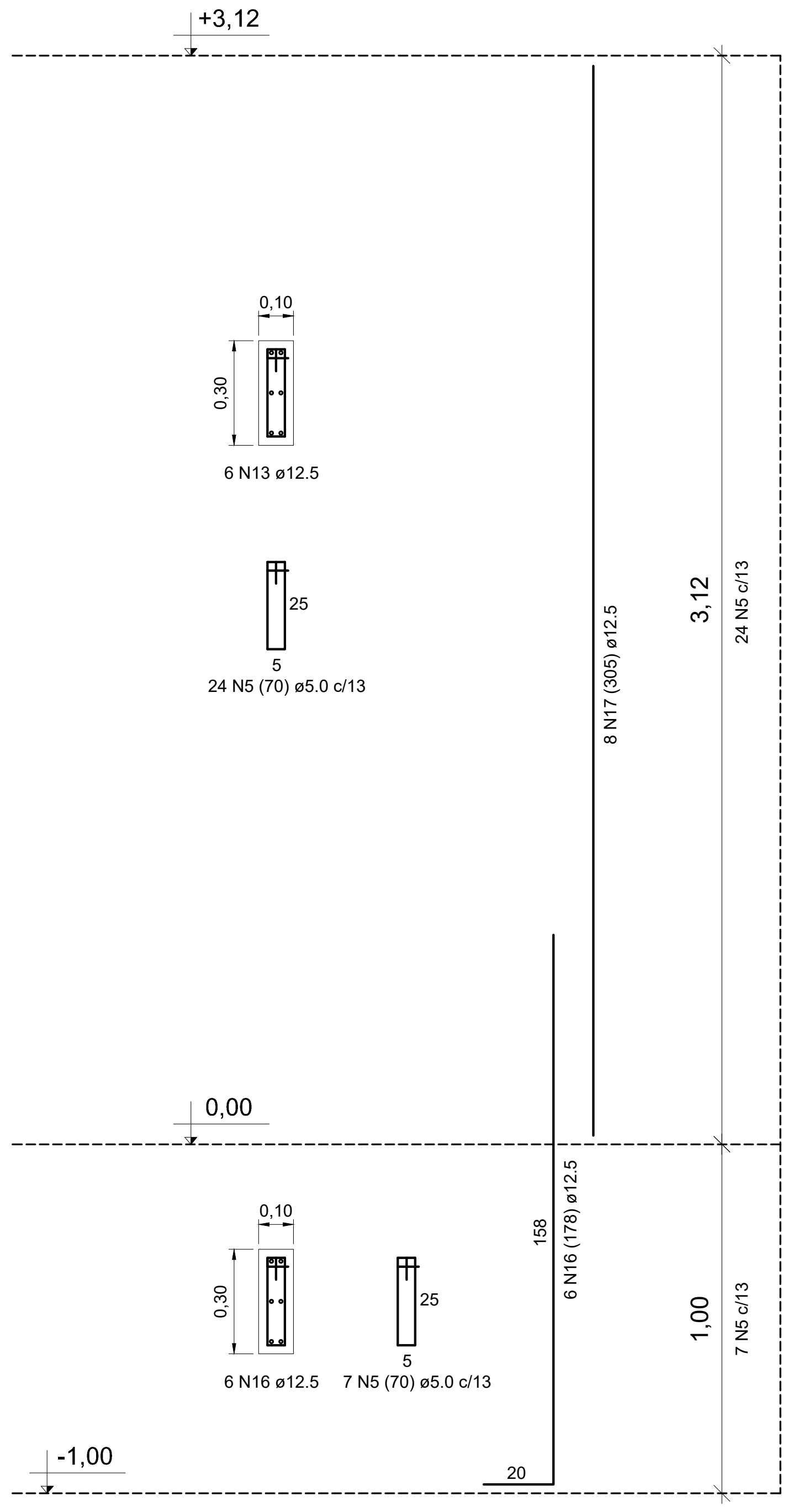
P4; P9; P15
Esc. 1:20



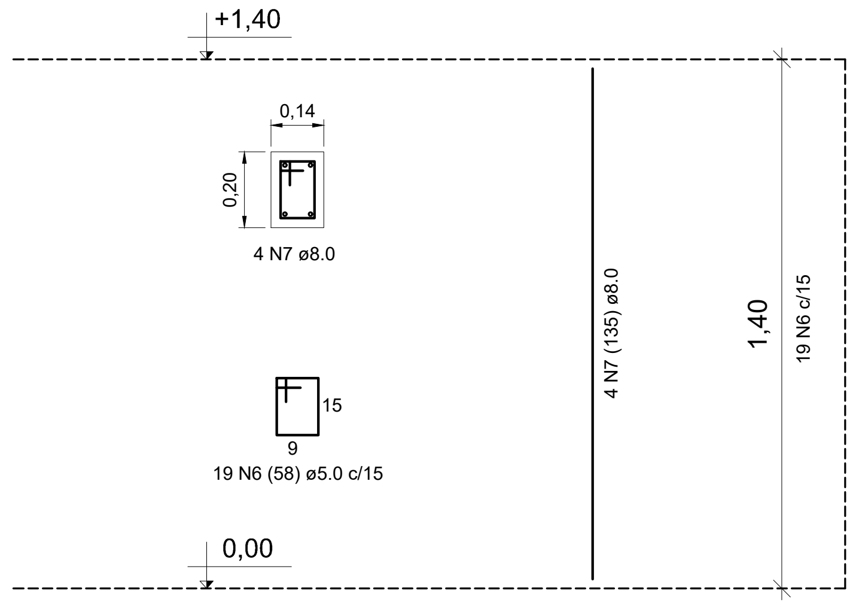
P1; P5; P8; P11; P12; P13
Esc. 1:20



P6; P7
Esc. 1:20



PJ1; PJ2
Esc. 1:20



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LAERCIO SCHEFFER
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26/08/2026 13:35:29
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PROPRIETÁRIO
PREFEITURA MUNICIPAL DE PARAÍSO
Assintura

ÁREA (m²)
83,84

RESPONSÁVEL TÉCNICO
Eng. Civ. Laércio Scheffer CREA 076249-4

DATA
03/02/2022

ALTERAÇÃO - DATA
00 - 03/02/2022

PROJETO
ESTRUTURAL - AMPLIAÇÃO CIEF

DESENHO
Laércio

ESPECIFICAÇÃO
DETALHAMENTO DE SAPATAS E PILARES

ENDEREÇO
Linha Stanga, Interior, Paraíso - SC

CONTATO RESPONSÁVEL TÉCNICO
Rua Alcides Zanin, 593, Centro, Paraíso, SC (49) 3627 0077 / engenharia@paraiso.sc.gov.br

PRANCHA
02
PROJETO COM 05 PRANCHAS

ESTE DOCUMENTO FOI ASSINADO EM: 26/08/2026 13:35 -03:00 -03
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