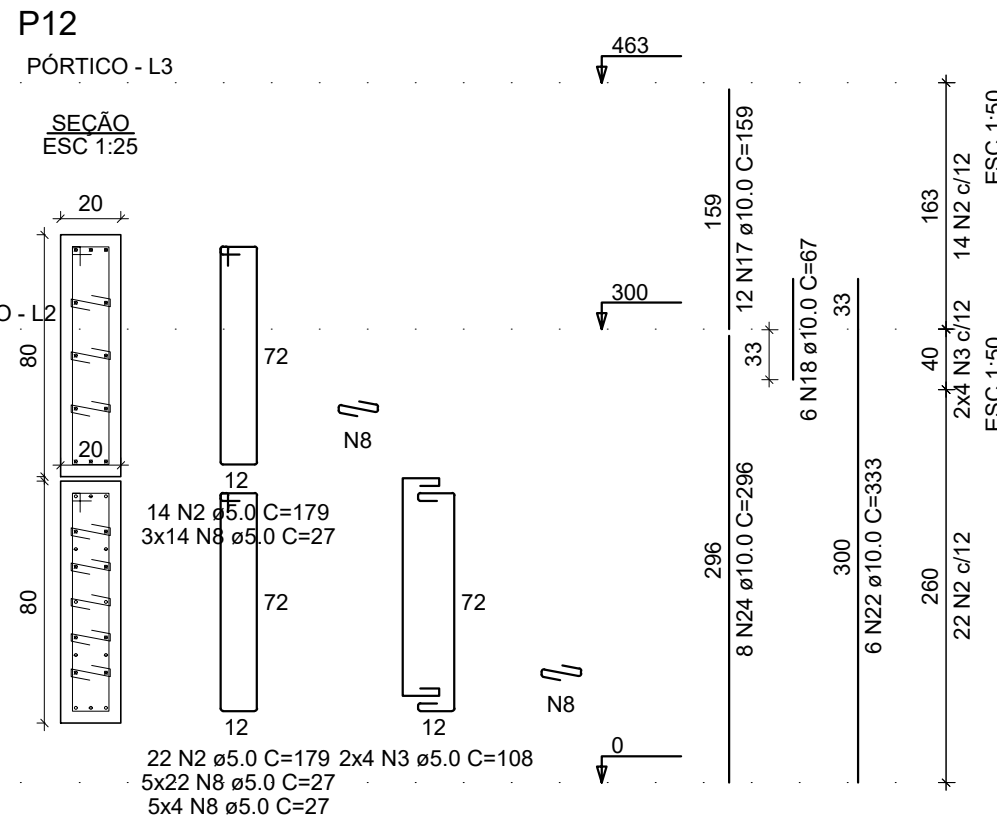
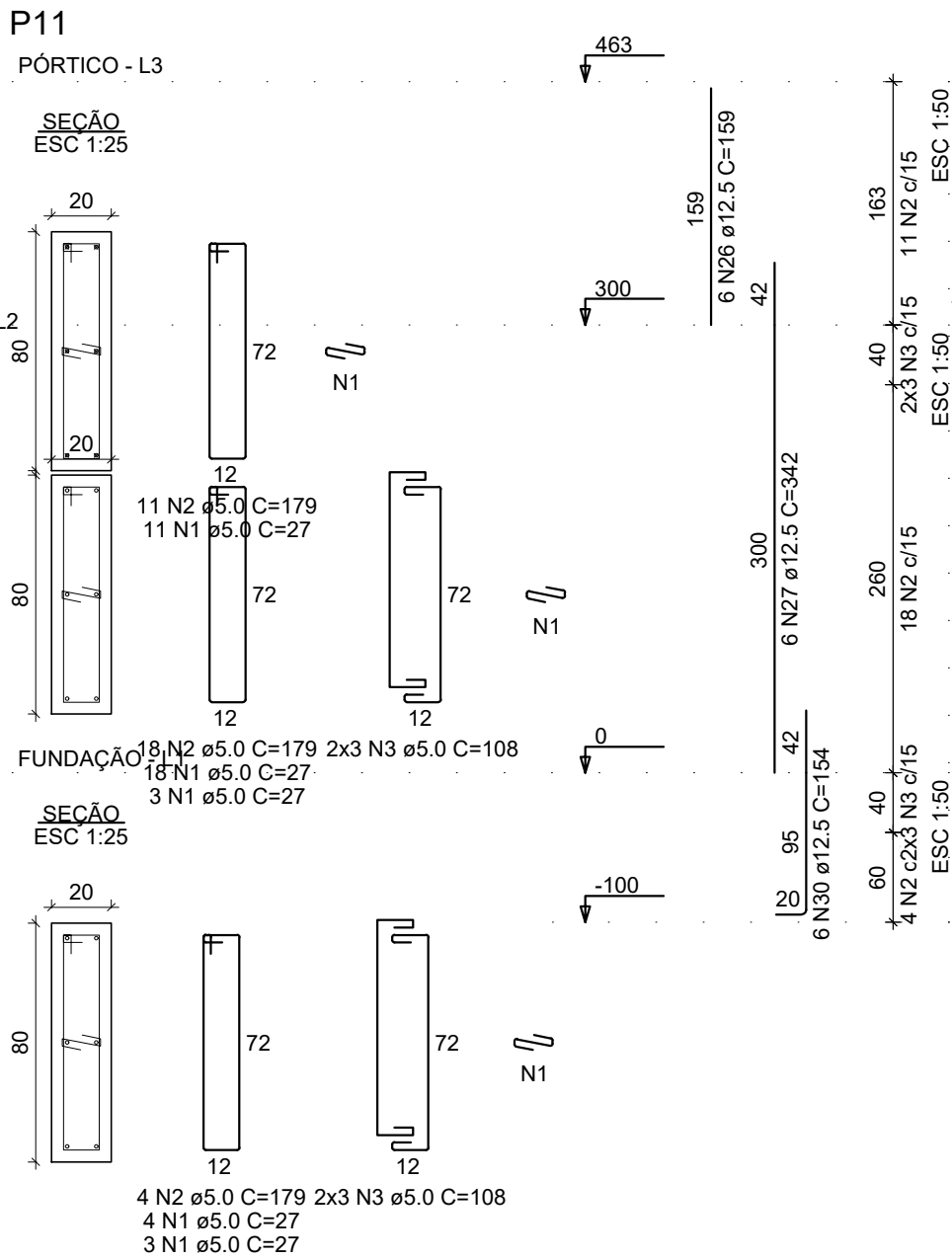
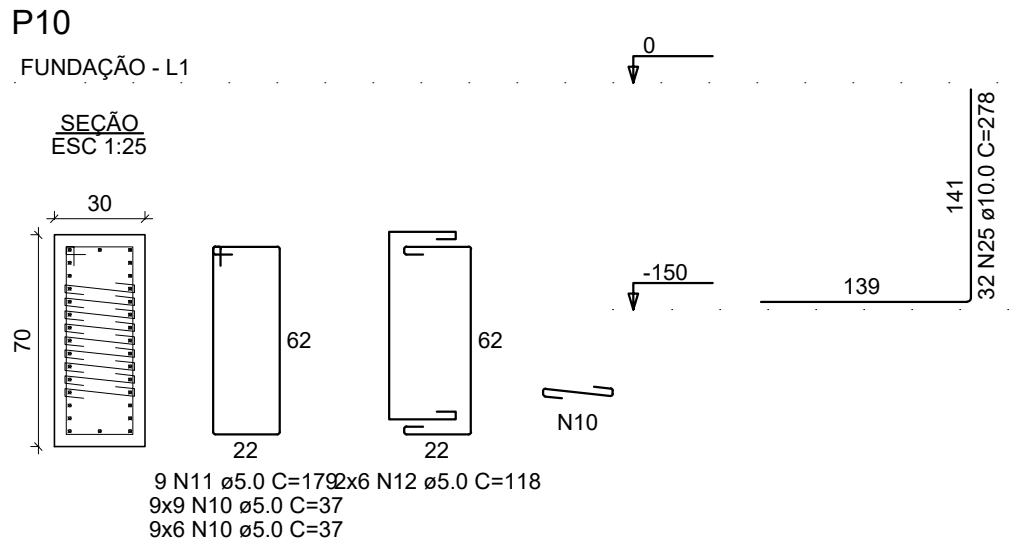
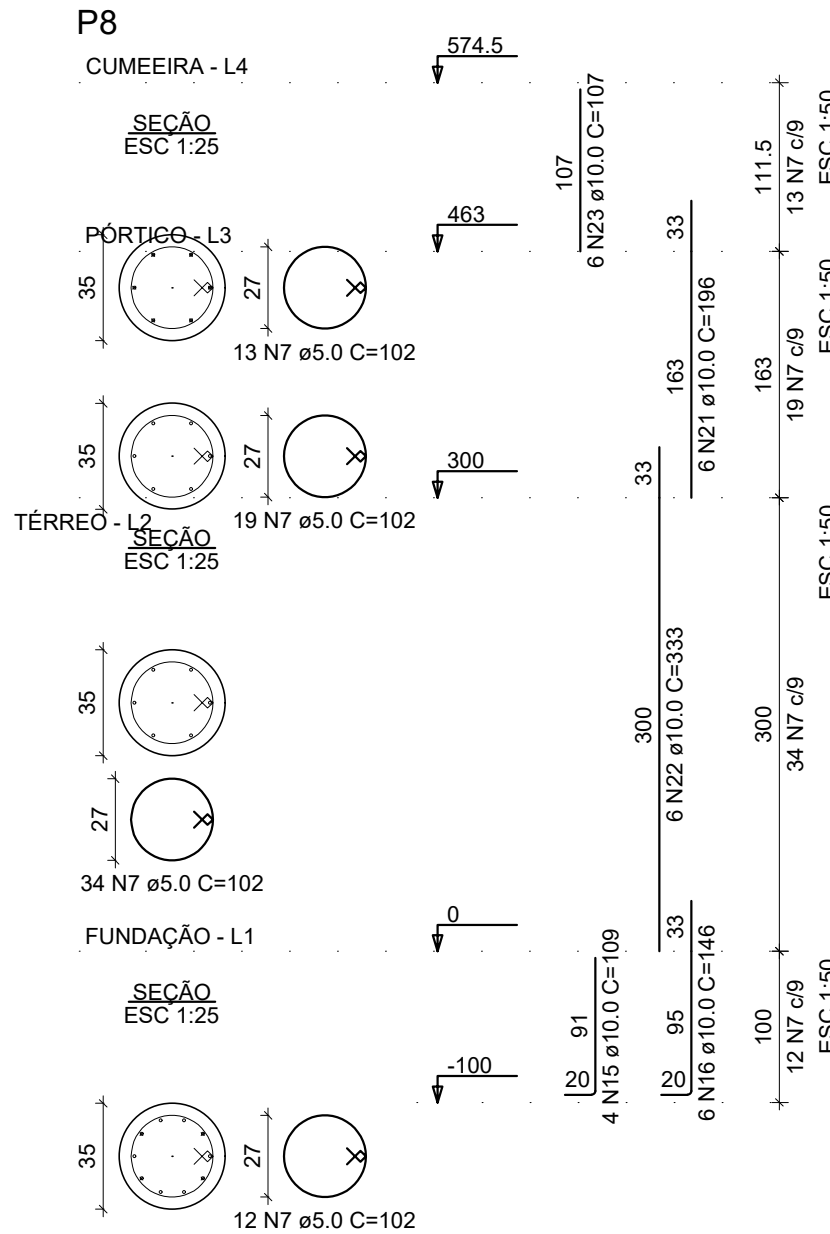
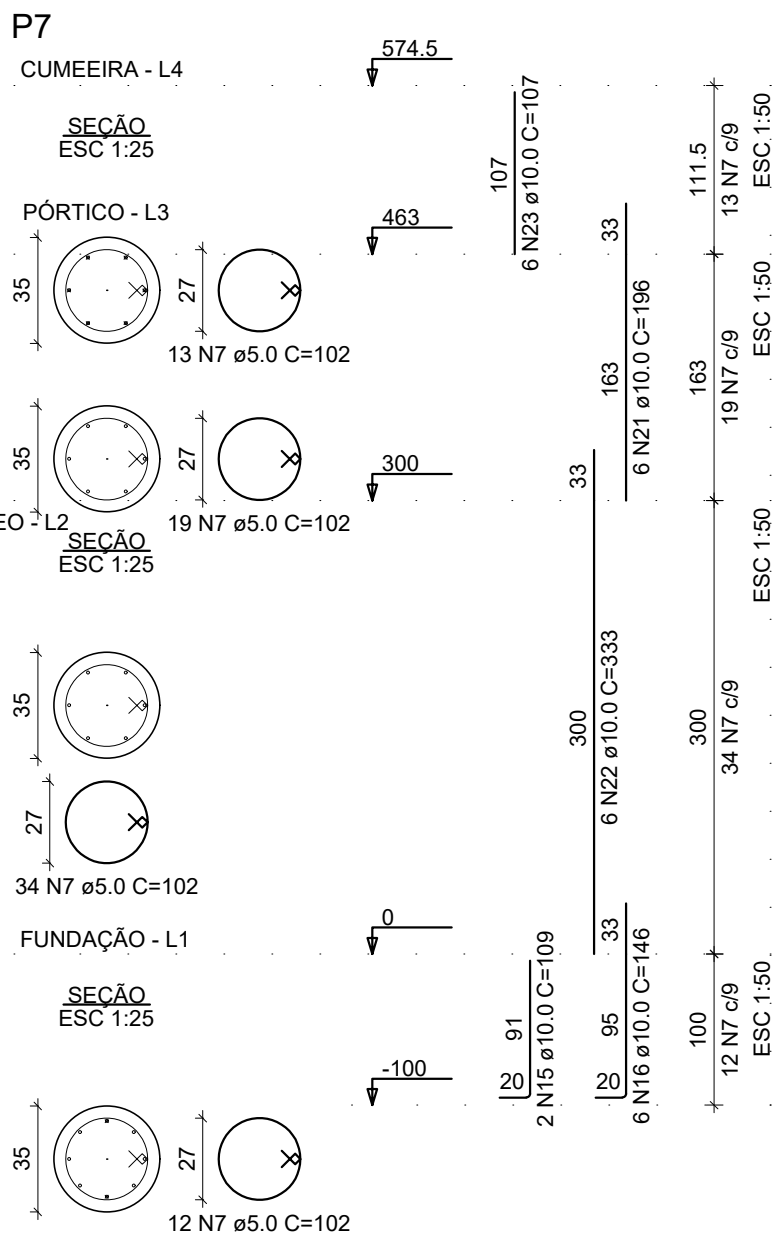
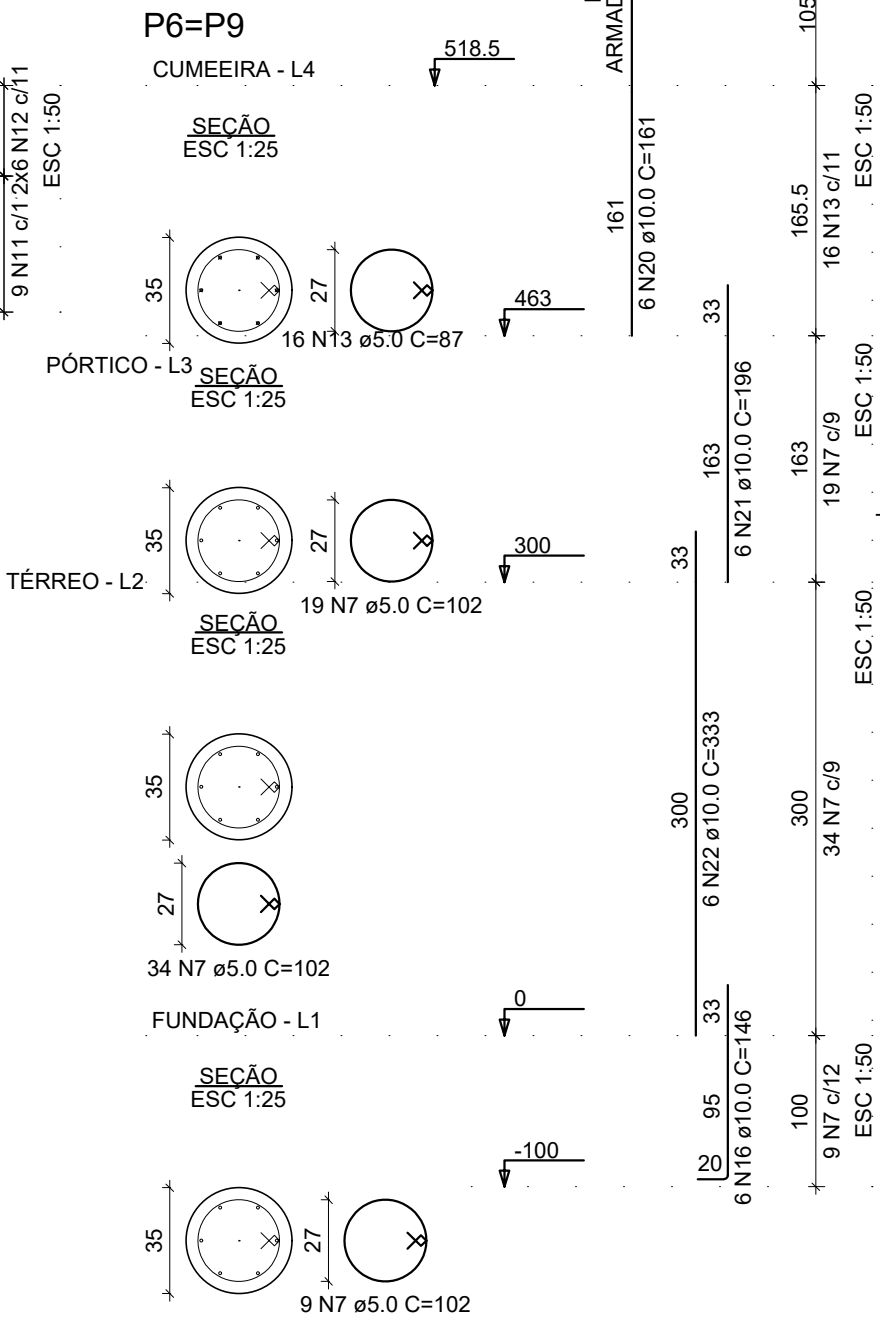
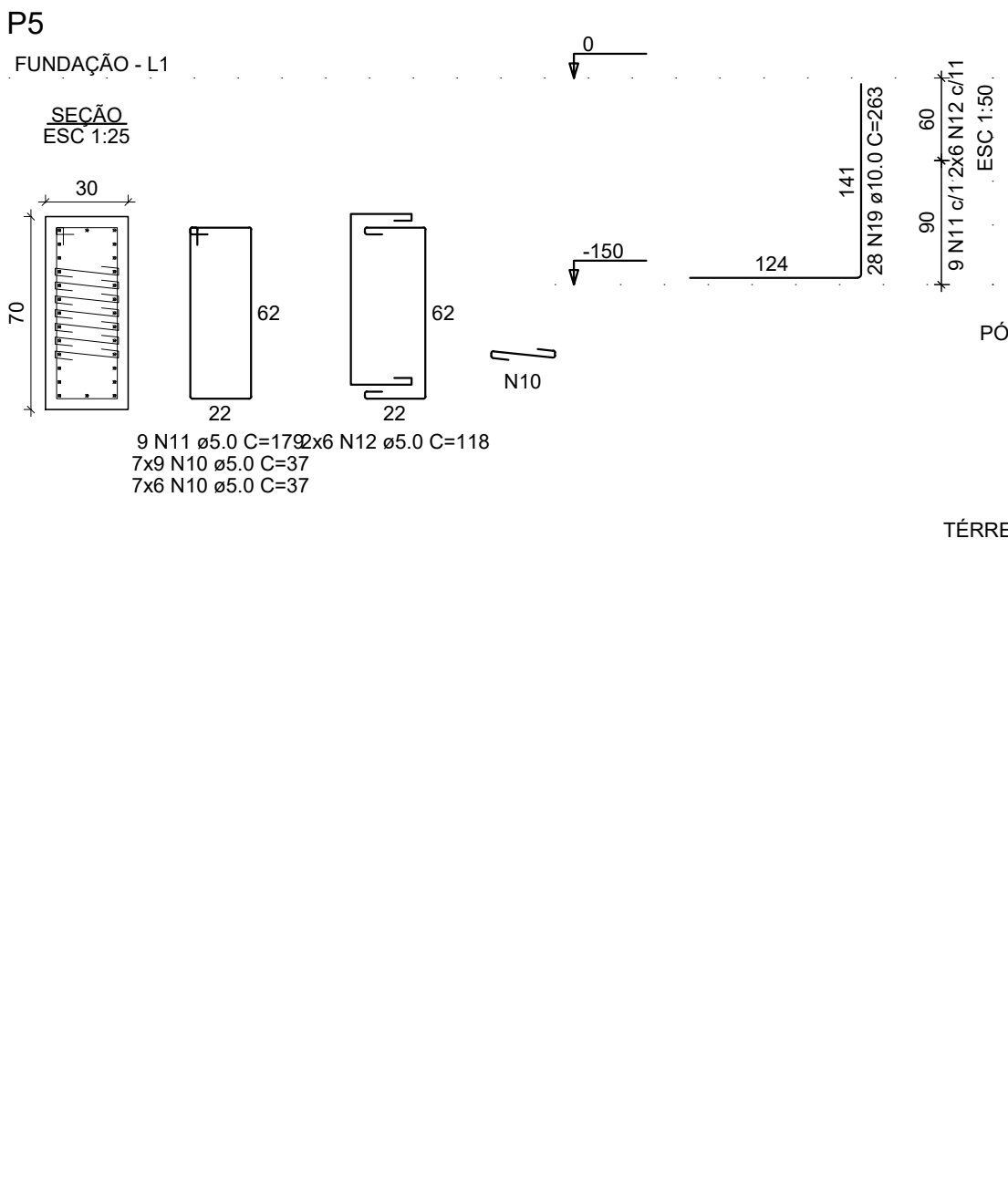
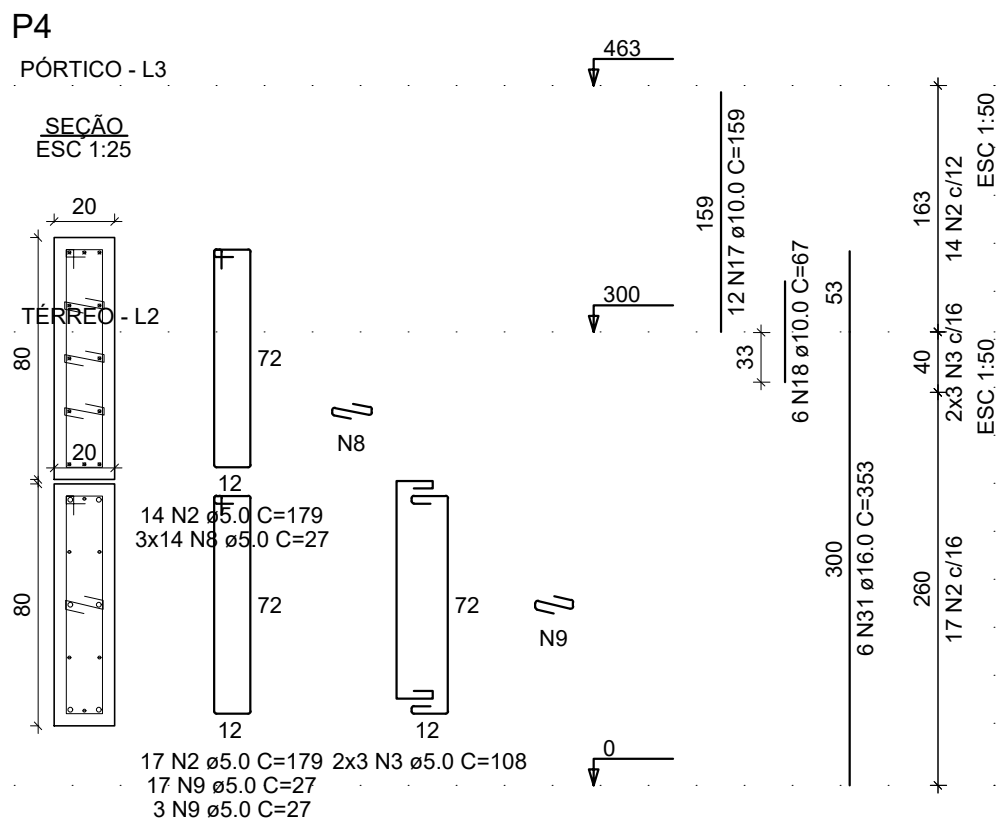
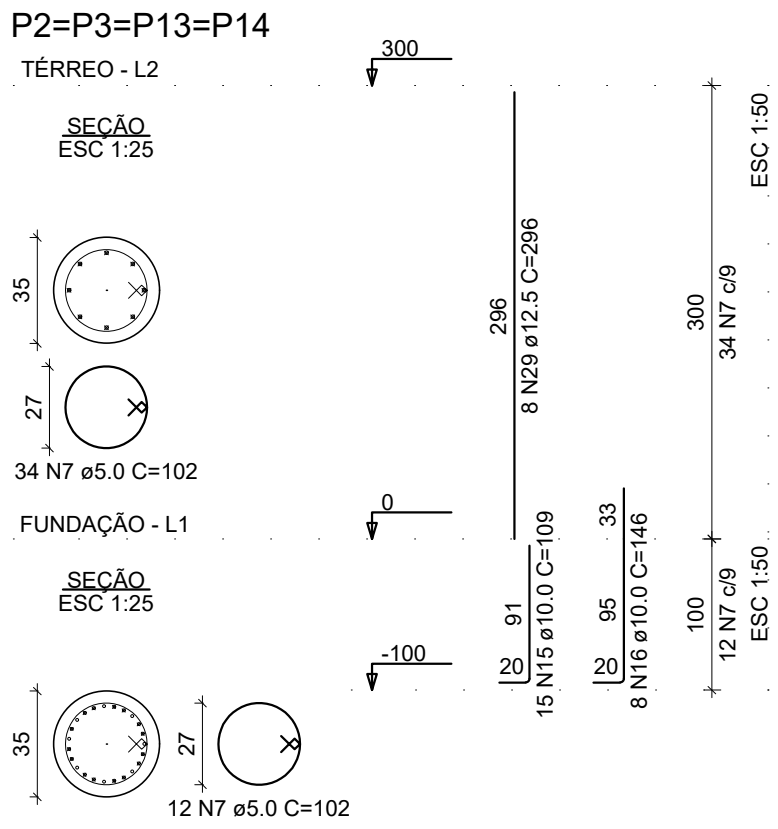
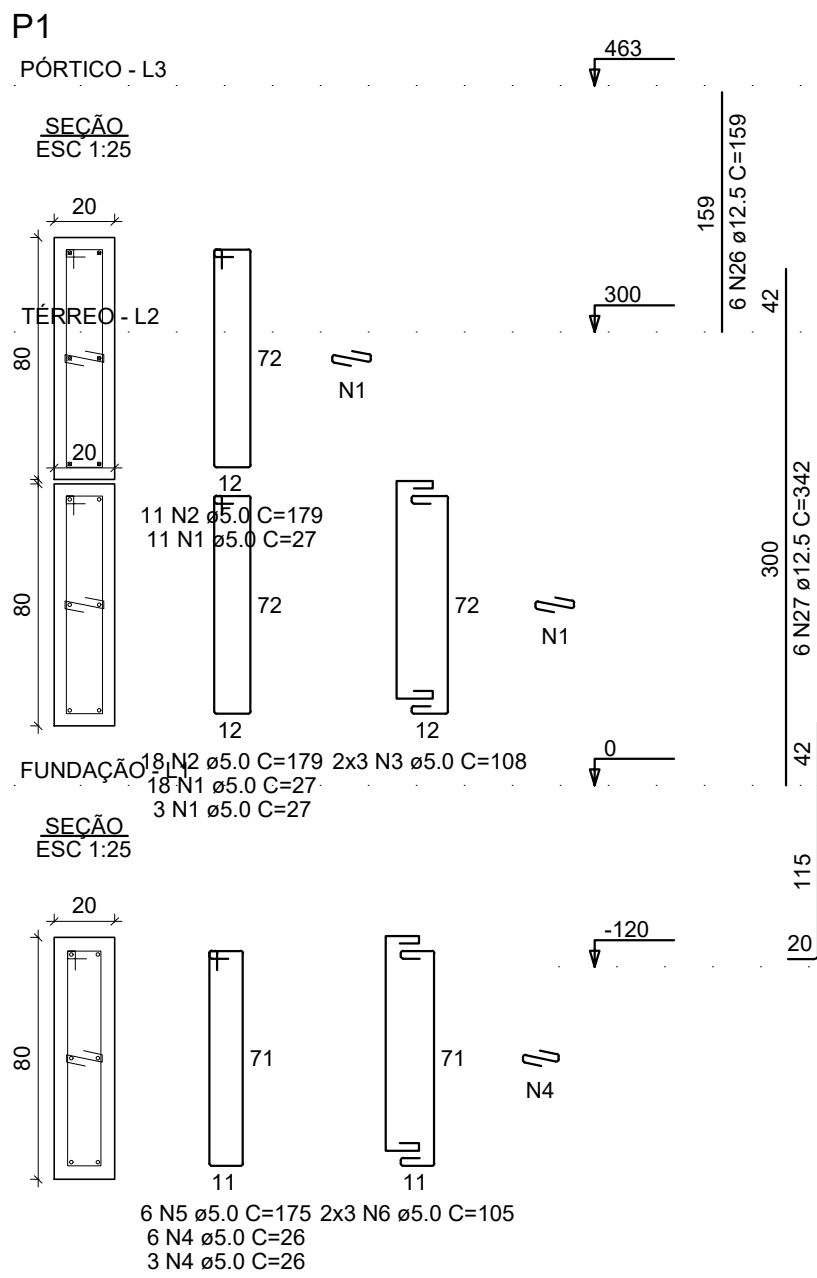




RELAÇÃO DO AÇO

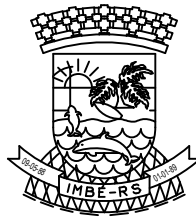
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	71	27	1917
	2	5.0	129	179	23091
	3	5.0	32	108	3456
	4	5.0	9	26	234
	5	5.0	6	175	1050
	6	5.0	6	105	630
	7	5.0	421	102	42942
	8	5.0	214	27	5778
	9	5.0	20	27	540
	10	5.0	240	37	8880
	11	5.0	18	179	3222
	12	5.0	24	118	2832
	13	5.0	32	87	2784
	14	5.0	38	118	4484
	15	10.0	42	109	4578
	16	10.0	59	146	8614
	17	10.0	24	159	3816
	18	10.0	15	67	1005
	19	10.0	28	263	7364
	20	10.0	14	161	2254
CA50	21	10.0	24	196	4704
	22	10.0	29	333	9657
	23	10.0	12	107	1284
	24	10.0	10	296	2960
	25	10.0	32	278	8896
	26	12.5	12	159	1908
	27	12.5	12	342	4104
	28	12.5	6	174	1044
	29	12.5	15	296	4440
	30	12.5	6	154	924
	31	16.0	6	353	2118
	32	16.0	26	296	7696

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	551.3	373.9
	12.5	124.2	131.6
	16.0	98.1	170.4
CA60	5.0	1018.4	172.7
PESO TOTAL (kg)			
CA50		675.9	
CA60		172.7	

Volume de concreto (C-30) = 7.09 m³
Área de forma = 83.80 m²

EQUIPE TÉCNICA DO DEPLAN:
 ASAFE BONISSONI FAGUNDES - ENGENHEIRO CIVIL - CREA 216663
 CARILLA VOLPATTO - ARQUITETA E URBANISTA - CAU A228360-2
 FABIANA KENIA DE ÁVILA - ARQUITETA E URBANISTA - CAU A91768-0
 JESUN RICOTTO CARDEGGIAN - ARQUITETO E URBANISTA - CAU A49310-4
 MARIA OLIVEIRA - ARQUITETA E URBANISTA - CAU 67121-5
 PEDRO NUNES SANT'ANNA - CREA 50119906-1
 REINATO TREVISAN DUARTE - ENGENHEIRO CIVIL - CREA 57182-0



ESTADO DO RIO GRANDE DO SUL
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 FONE: 51 3627.2655 - FAX: 51 3627.8200

OBRA:
 EMEI VÓ ROSA
 PROJETO ESTRUTURAL - AMPLIAÇÃO
ENDEREÇO: RUA MARCELO DE ARAÚJO, 90 - BARRIO VILA ROSA - IMBÉ/RS

ADMINISTRAÇÃO
 2021/2024
 SECRETARIA MUNICIPAL DE FINANÇAS E PLANEJAMENTO ESTRATÉGICO

MARIA DAS GRAÇAS S. DE MATOS
 SECRETARIA MUNICIPAL DE FINANÇAS E PLANEJAMENTO ESTRATÉGICO
 PORTARIA 599/2024

ASAFE BONISSONI FAGUNDES
 ENGENHEIRO CIVIL
 CREA RS- 216663
 PORTARIA 296/2018

CARILLA PORTAL VOLPATTO
 ARQUITETA E URBANISTA
 CAU A228360-2
 PORTARIA 1.258/2022

DEPLAN
 deplan@imbe.rs.gov.br

PROJETO:
 PILARES
 ESTRUTURA DO PÁTIO COBERTO

DESENHO: ABF

ESCALA: 1/50

DATA: ABR/2024

AREA: 188,34m²

FRANCHA: E04