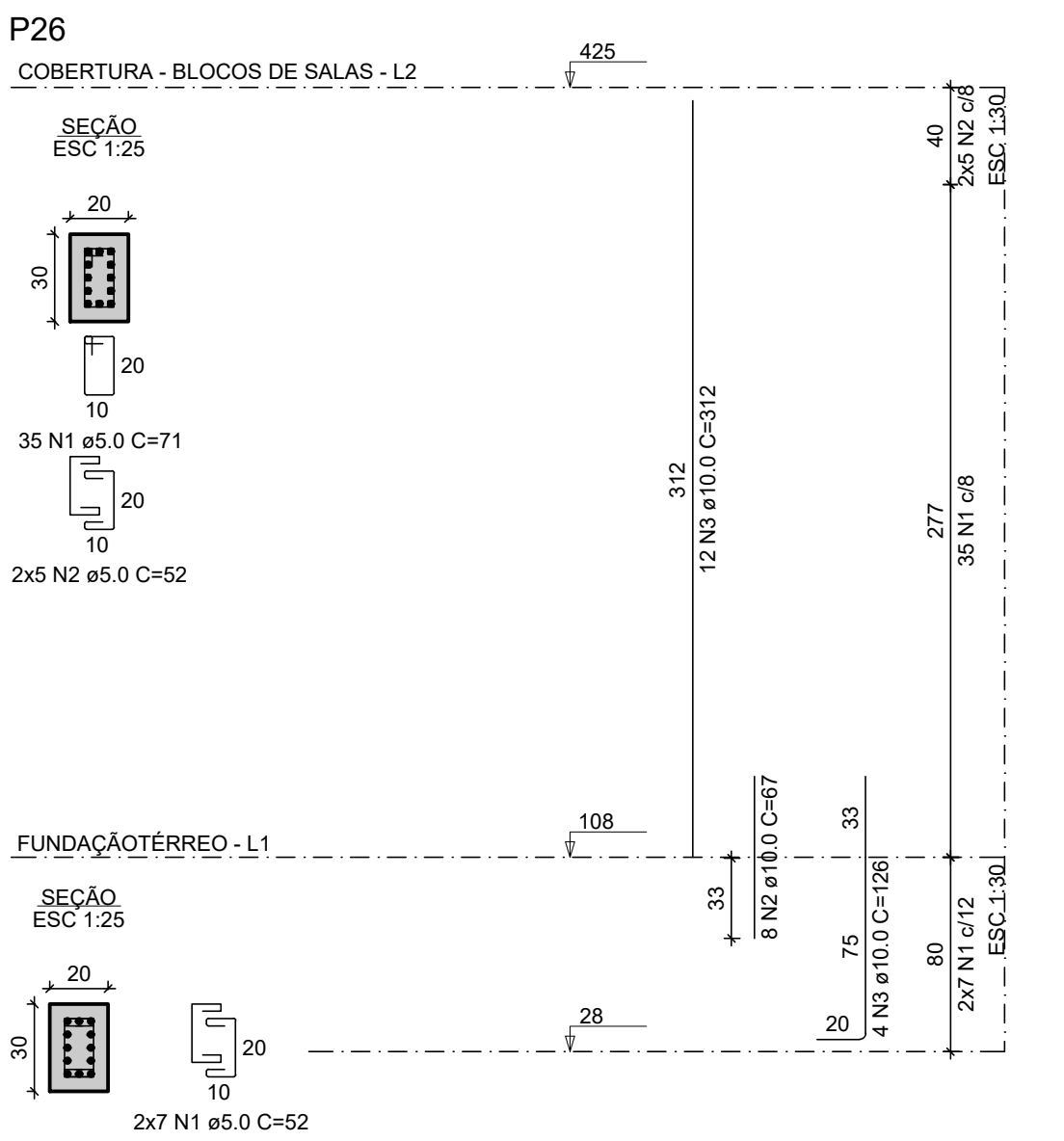
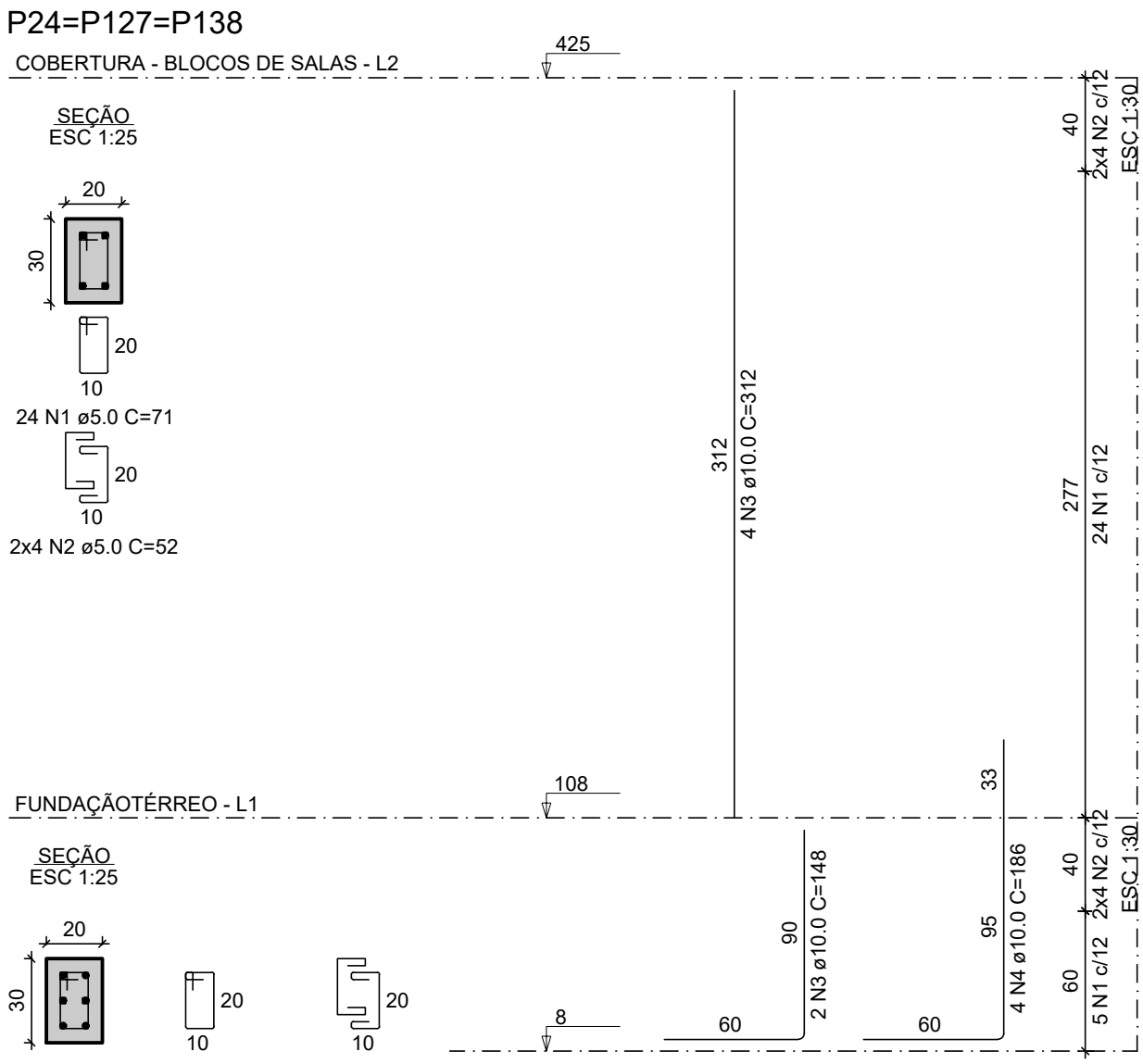
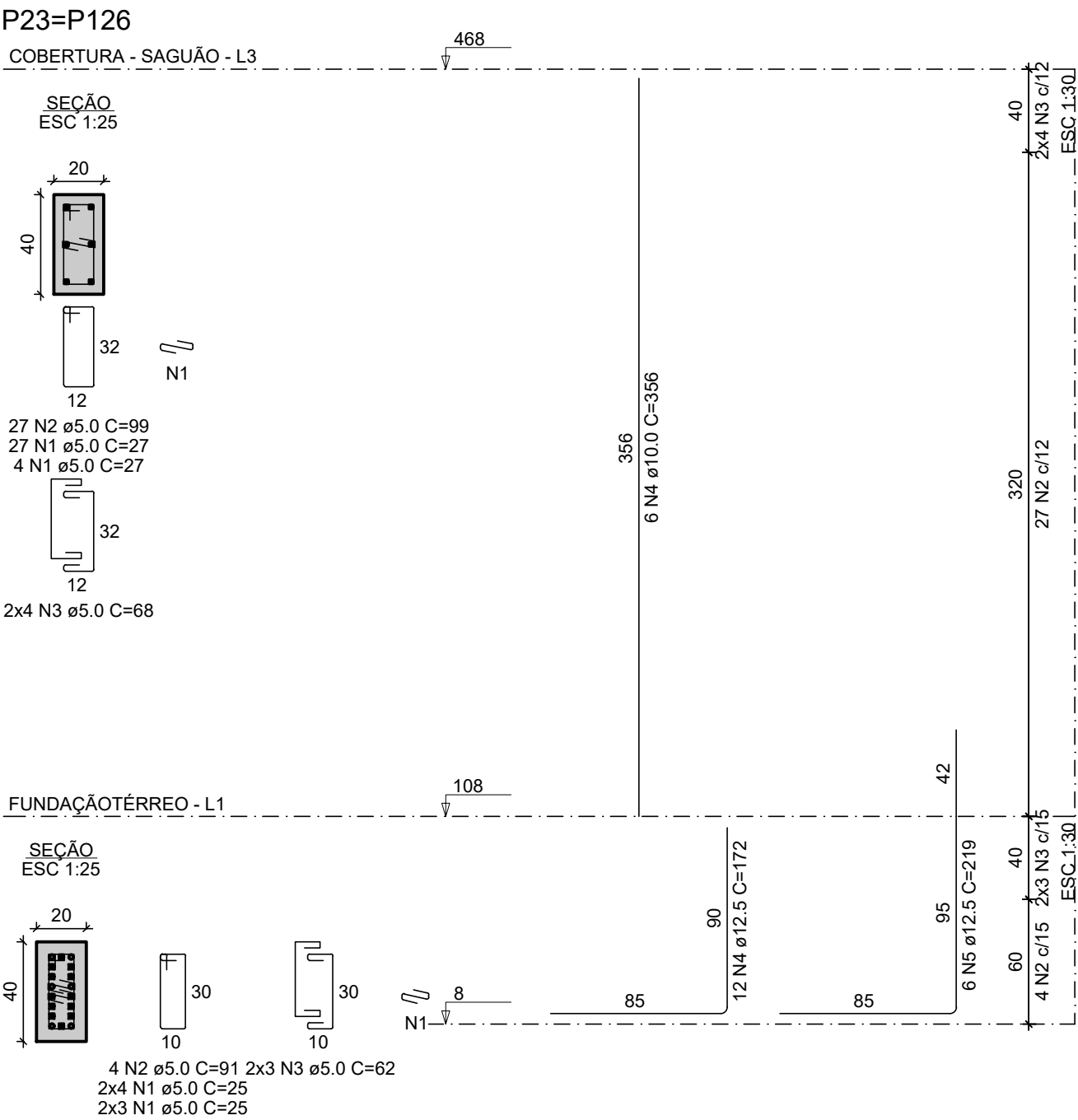
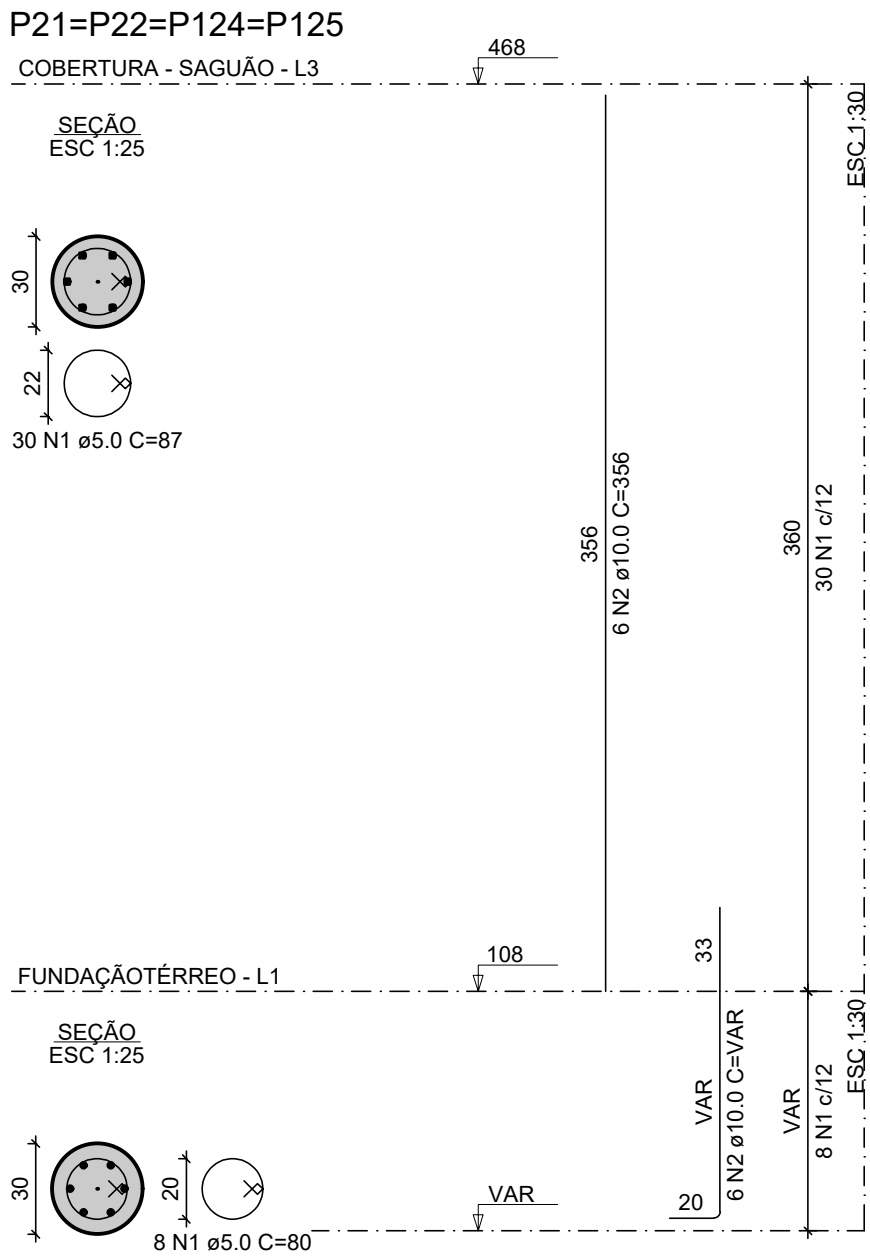
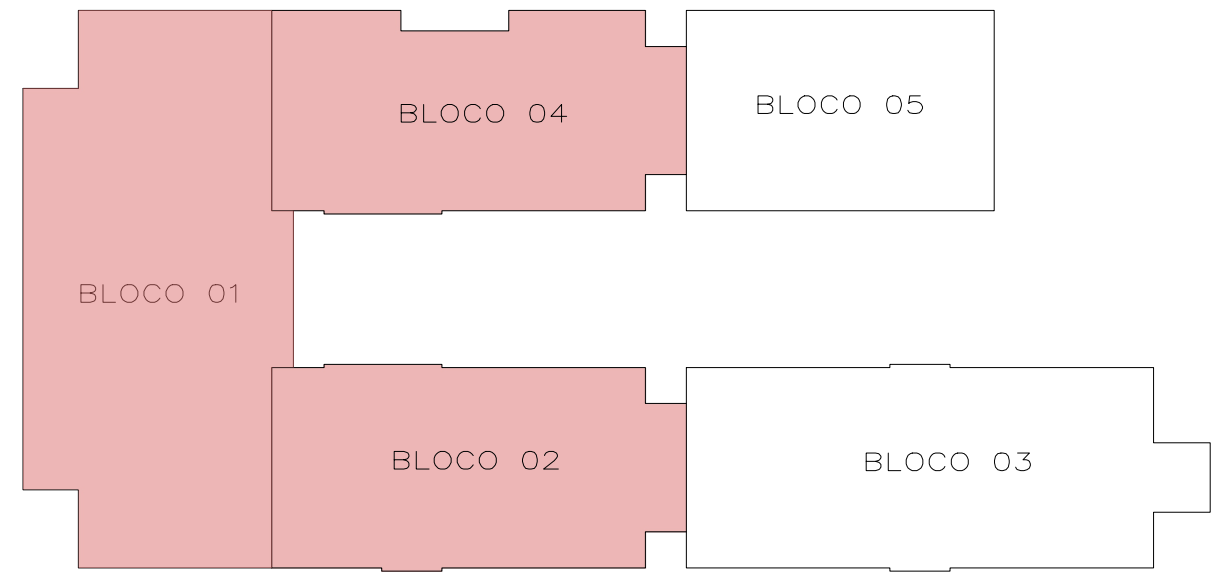




RELAÇÃO DO AÇO						
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
4xP21-L3	CA50	1	5.0	120	87	10440
	CA50	2	10.0	24	356	8544
	CA60	1	5.0	32	80	2560
	CA50	2	10.0	24	VAR	VAR
	CA60	1	5.0	62	27	1674
	CA60	2	5.0	54	99	5346
	CA60	3	5.0	16	68	1088
	CA50	4	10.0	12	356	4272
	CA60	1	5.0	28	25	700
	CA60	2	5.0	8	81	728
2xP23-L1	CA60	3	5.0	12	62	744
	CA50	4	12.5	24	172	4128
	CA50	5	12.5	12	219	2628
	CA60	1	5.0	72	71	5112
	CA60	2	5.0	24	52	1248
	CA50	3	10.0	12	312	3744
	CA60	1	5.0	15	71	1065
	CA60	2	5.0	24	52	1248
	CA50	3	10.0	6	148	888
	CA50	4	10.0	12	186	2232
P26-L2	CA60	1	5.0	35	71	2485
P26-L1	CA60	2	5.0	10	52	520
	CA50	3	10.0	12	312	3744
P28-L4	CA60	1	5.0	12	68	816
	CA50	2	10.0	12	56	672
P28-L2	CA60	1	5.0	24	81	1944
	CA60	2	5.0	8	62	496
P28-L1	CA50	3	10.0	8	67	536
	CA50	4	10.0	4	350	1400
P29-L4	CA60	1	5.0	12	68	816
	CA50	2	10.0	10	58	580
P29-L2	CA60	1	5.0	24	71	1704
	CA50	2	5.0	4	52	416
P29-L1	CA60	1	5.0	16	52	832
	CA50	2	10.0	4	136	544
P30-L4	CA60	1	5.0	8	58	464
	CA50	2	12.5	4	56	224
P30-L2	CA60	1	5.0	24	71	1704
	CA60	2	5.0	8	52	416
P30-L1	CA50	3	10.0	4	312	1248
	CA50	4	12.5	4	83	332
4xP32-L2	CA60	1	5.0	14	52	728
	CA50	2	10.0	4	126	504
4xP32-L1	CA60	1	5.0	96	71	6816
	CA60	2	5.0	32	52	1664
P33-L2	CA50	3	10.0	24	312	7488
	CA60	1	5.0	56	52	2912
P33-L1	CA50	2	10.0	8	67	536
	CA60	3	10.0	16	126	2016
2xP36-L3	CA60	1	5.0	18	71	1278
	CA50	2	5.0	6	52	312
2xP36-L1	CA50	3	20.0	6	312	1872
	CA60	1	5.0	14	52	728
P38-L2	CA50	2	10.0	4	88	352
	CA50	3	20.0	6	133	798
P38-L1	CA60	2	5.0	54	79	4286
	CA60	3	5.0	16	58	928
P49-L3	CA50	3	10.0	8	356	2848
	CA60	1	5.0	28	52	1456
P49-L1	CA50	2	10.0	8	126	1008
	CA60	1	5.0	35	71	2485
	CA60	2	5.0	10	52	520
	CA50	3	10.0	8	312	2496
	CA60	1	5.0	14	52	728
	CA50	2	10.0	4	67	268
	CA50	3	10.0	4	126	504
	CA60	1	5.0	29	79	2291
	CA60	2	5.0	4	58	232
	CA50	3	10.0	4	356	1424
	CA60	1	5.0	14	52	728
	CA50	2	10.0	4	126	504

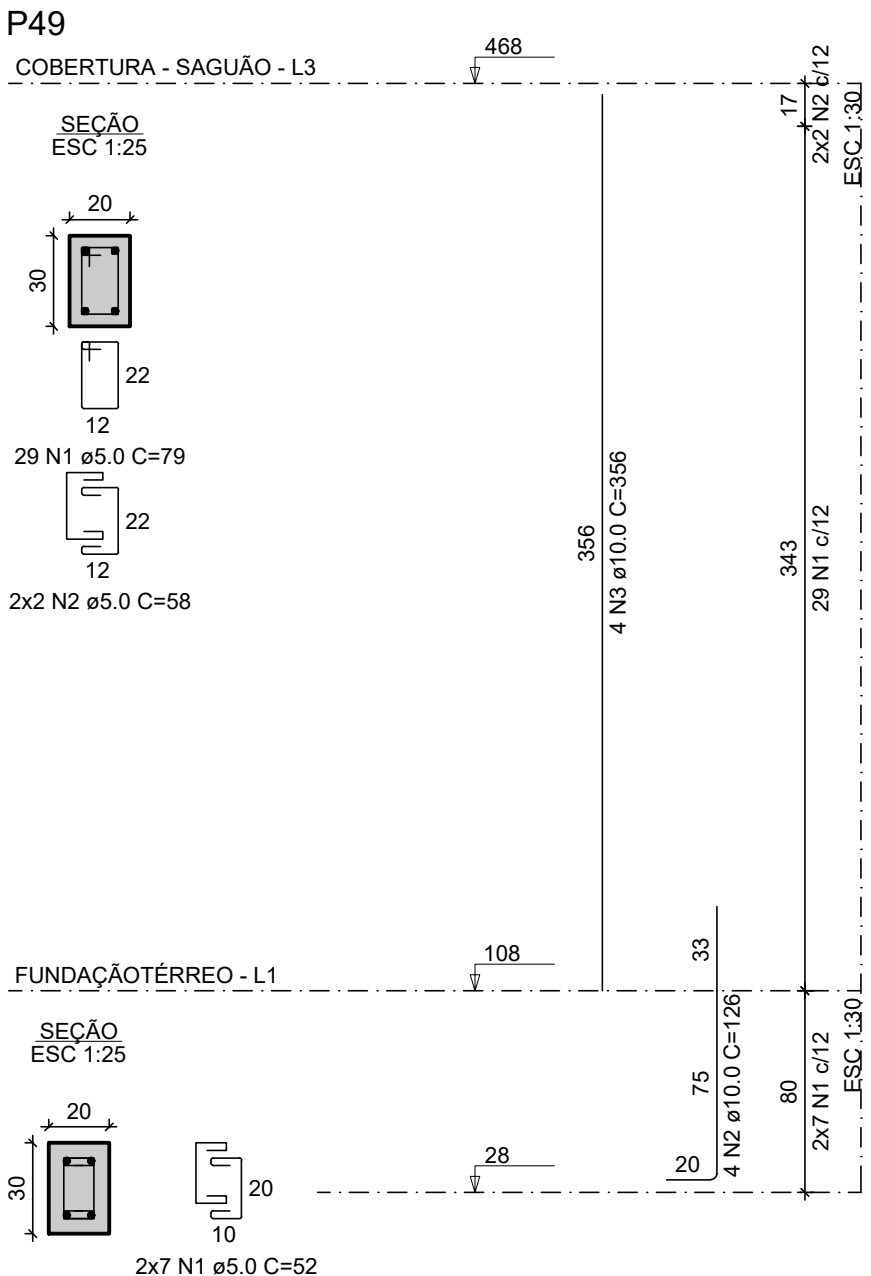
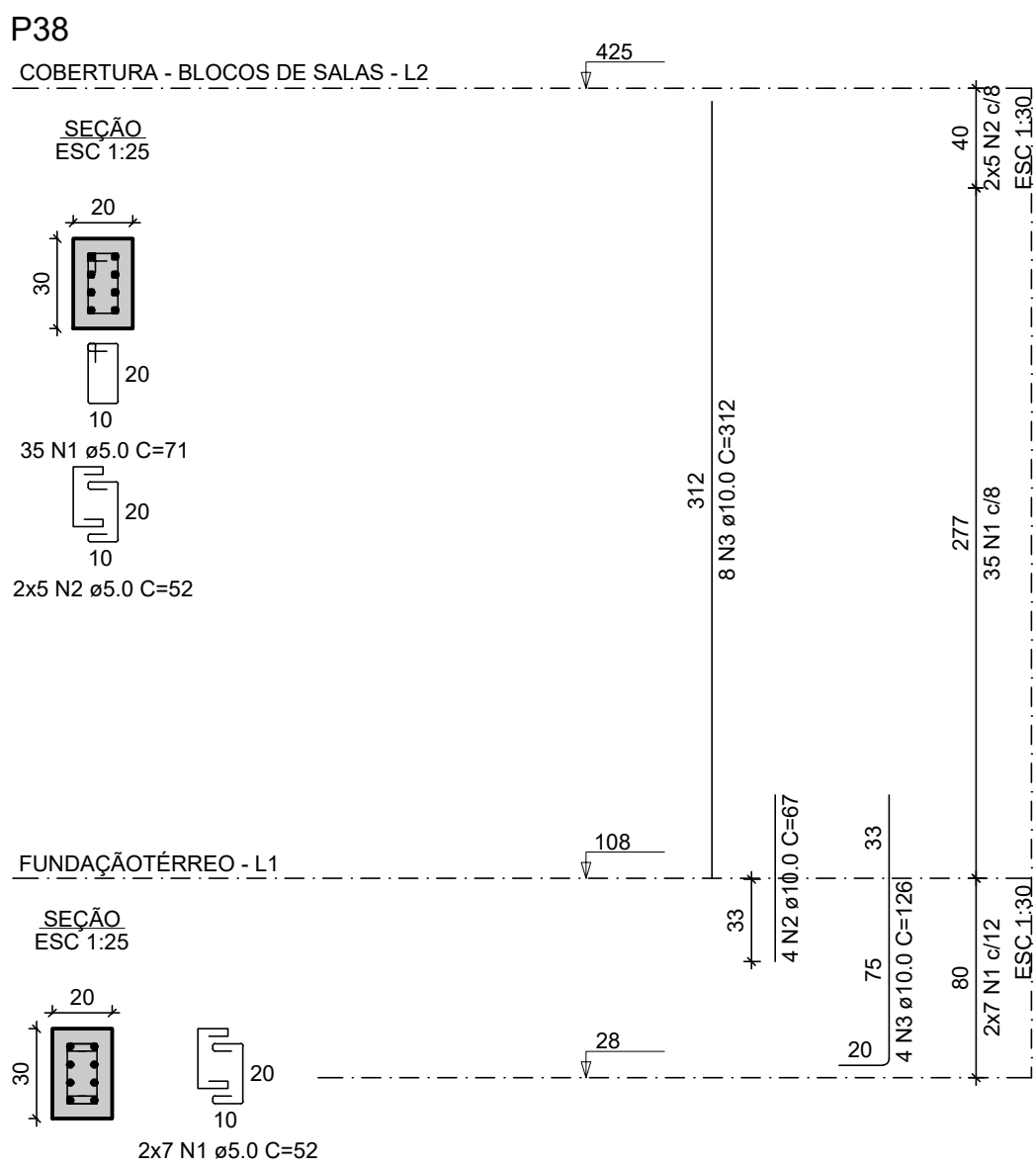
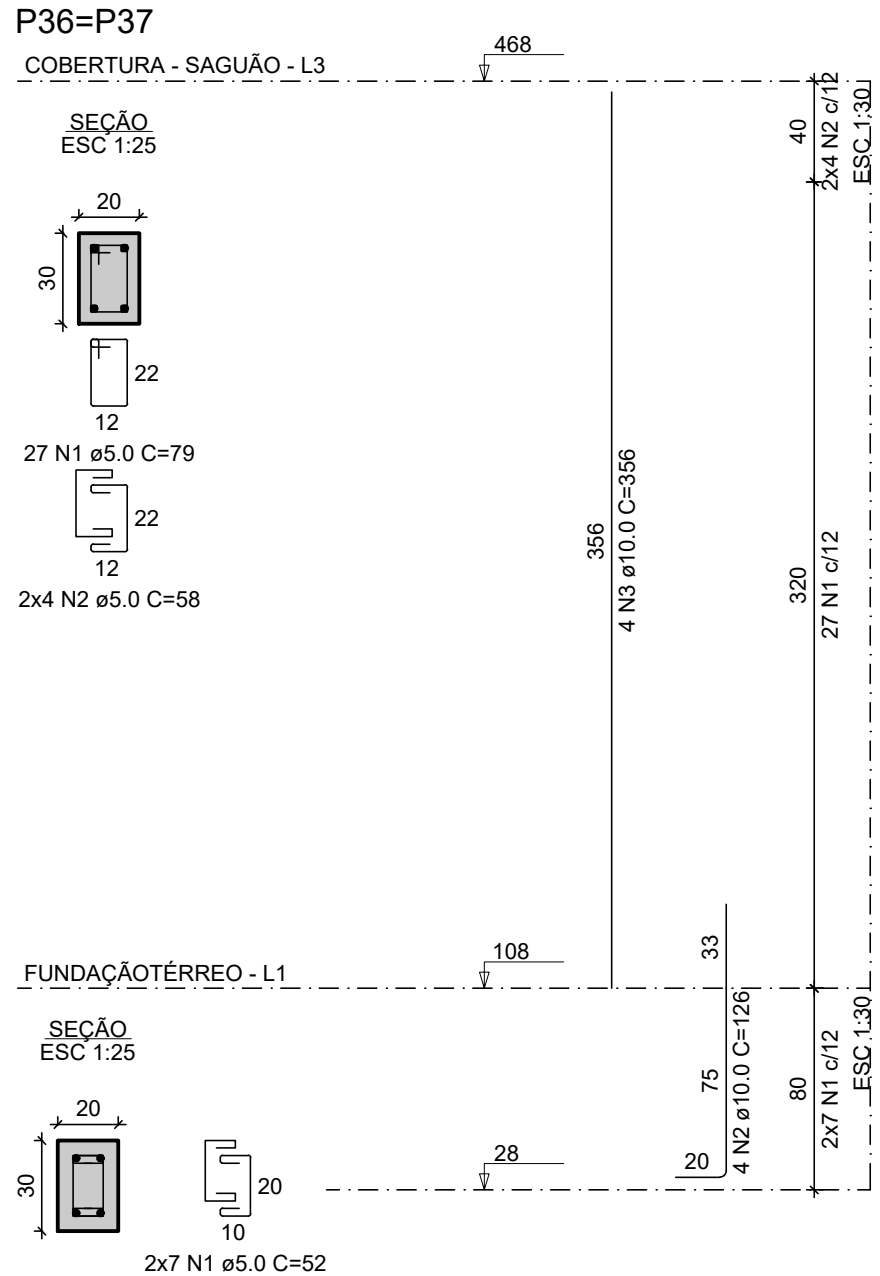
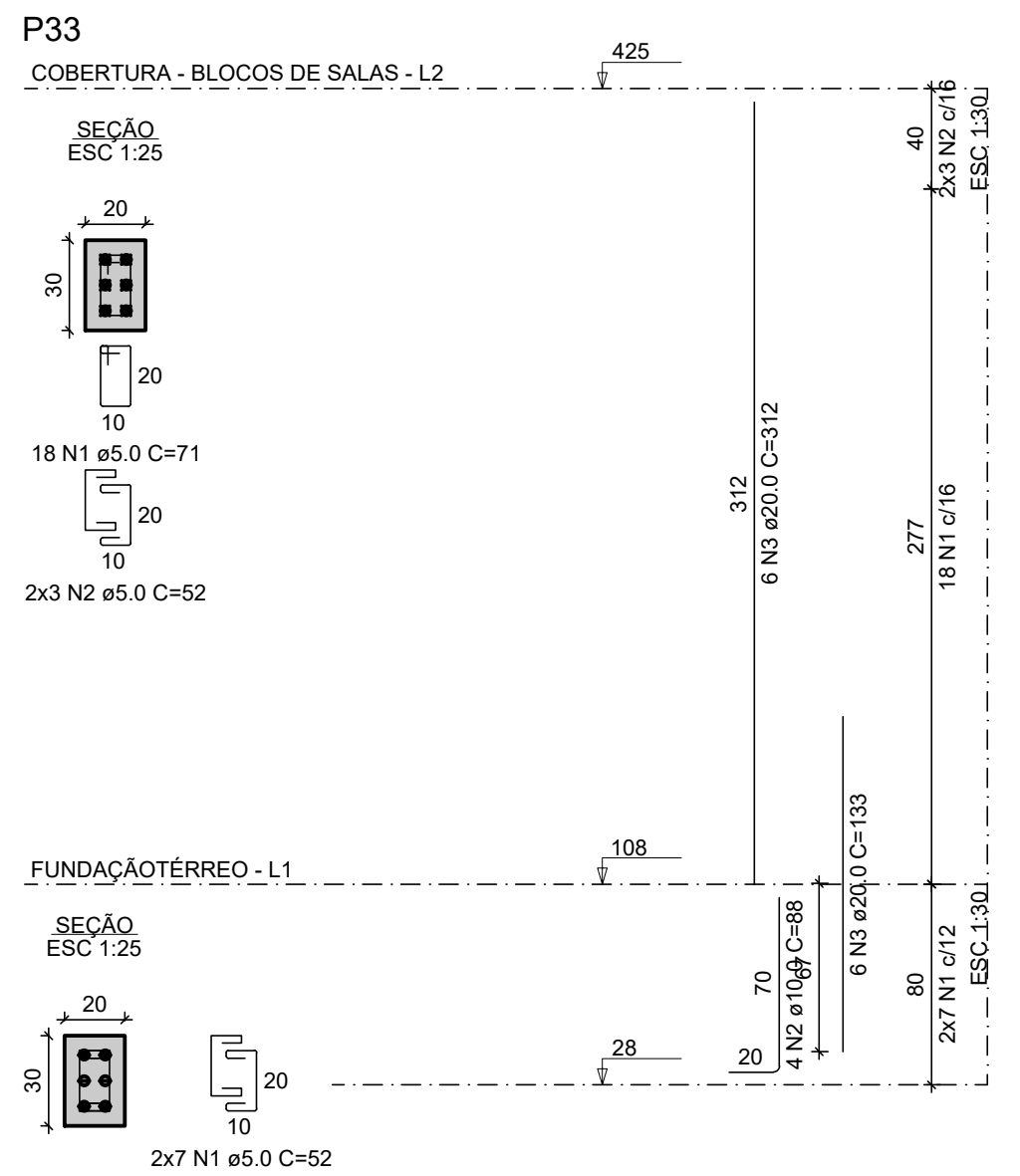
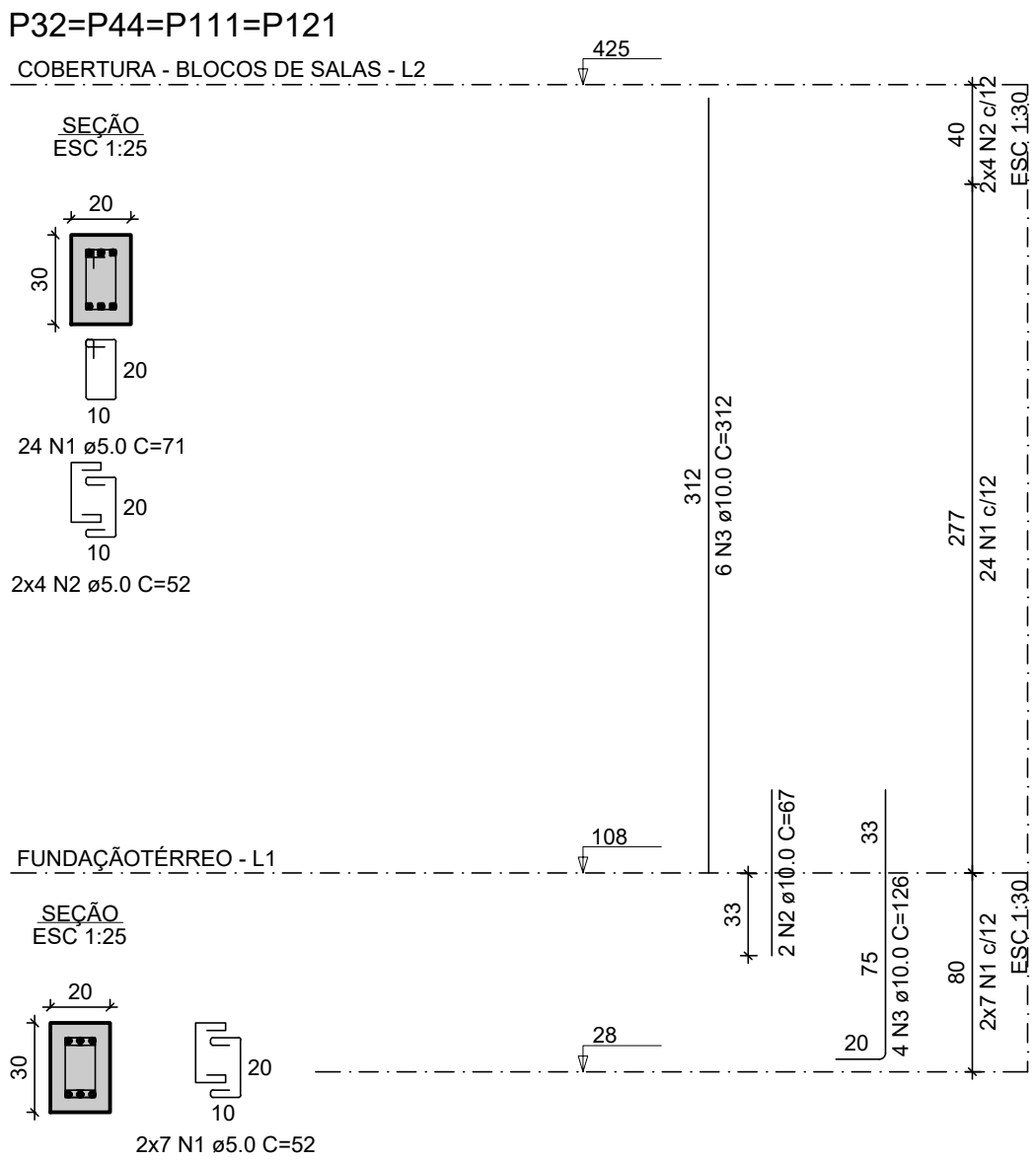
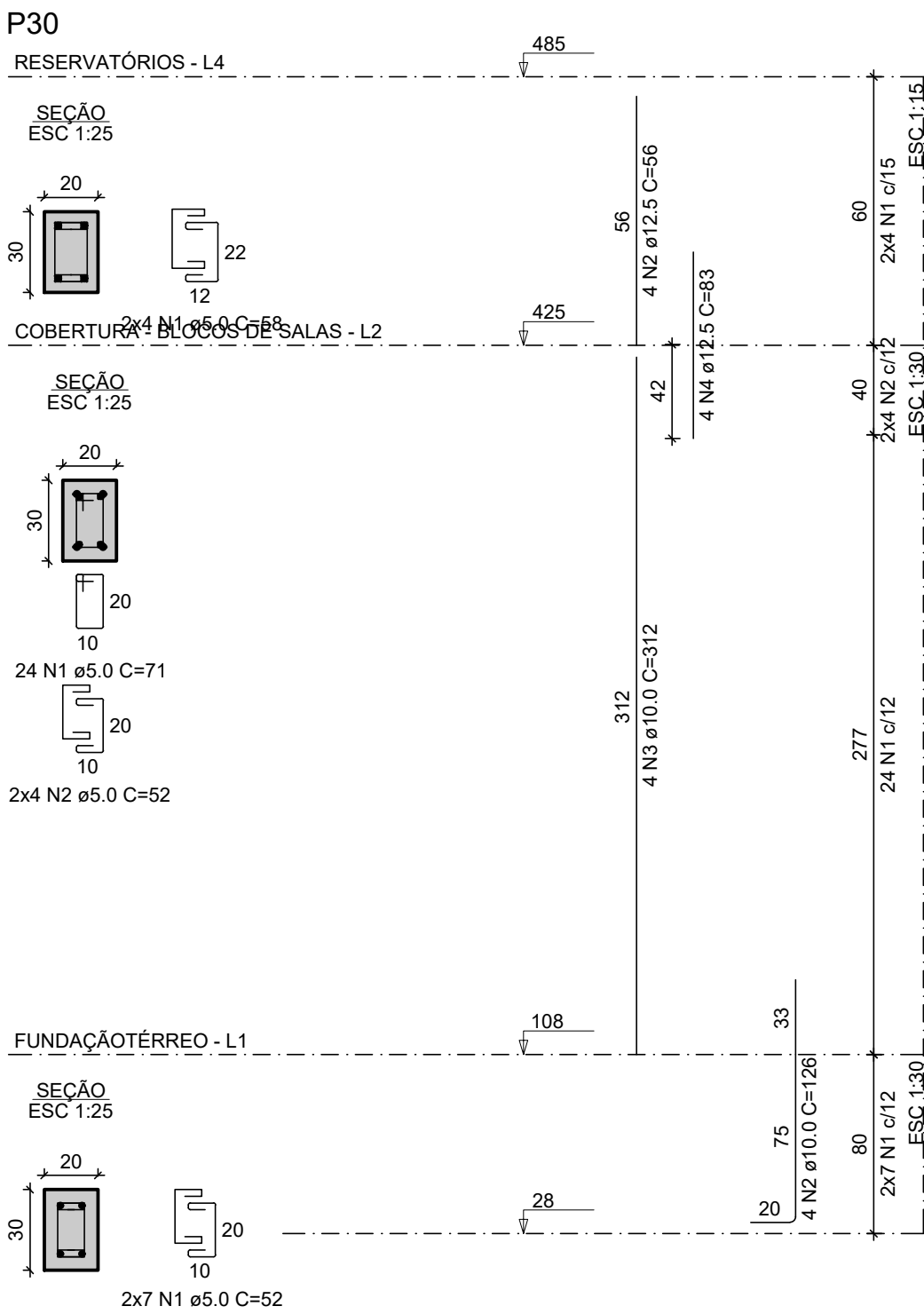
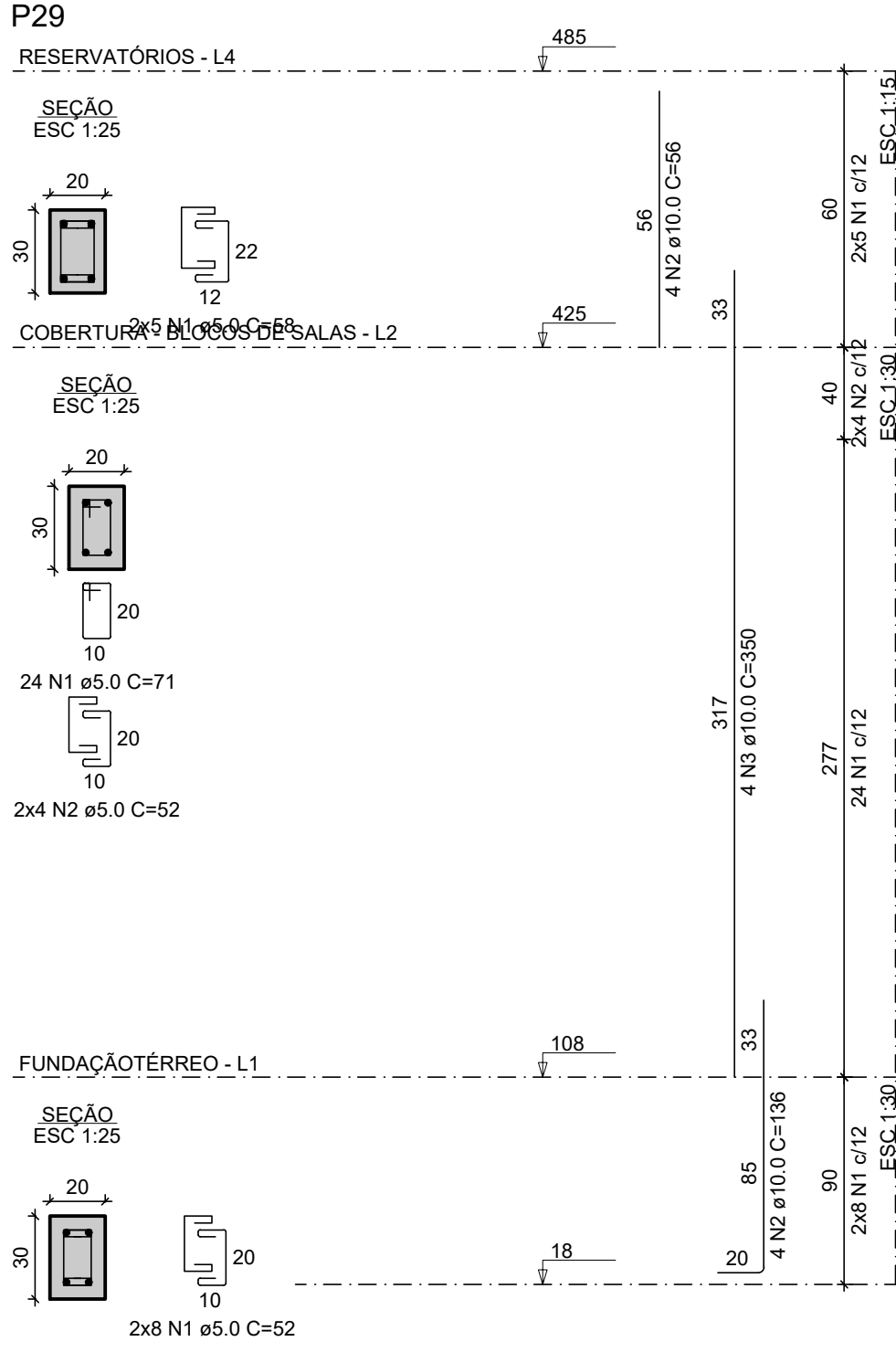
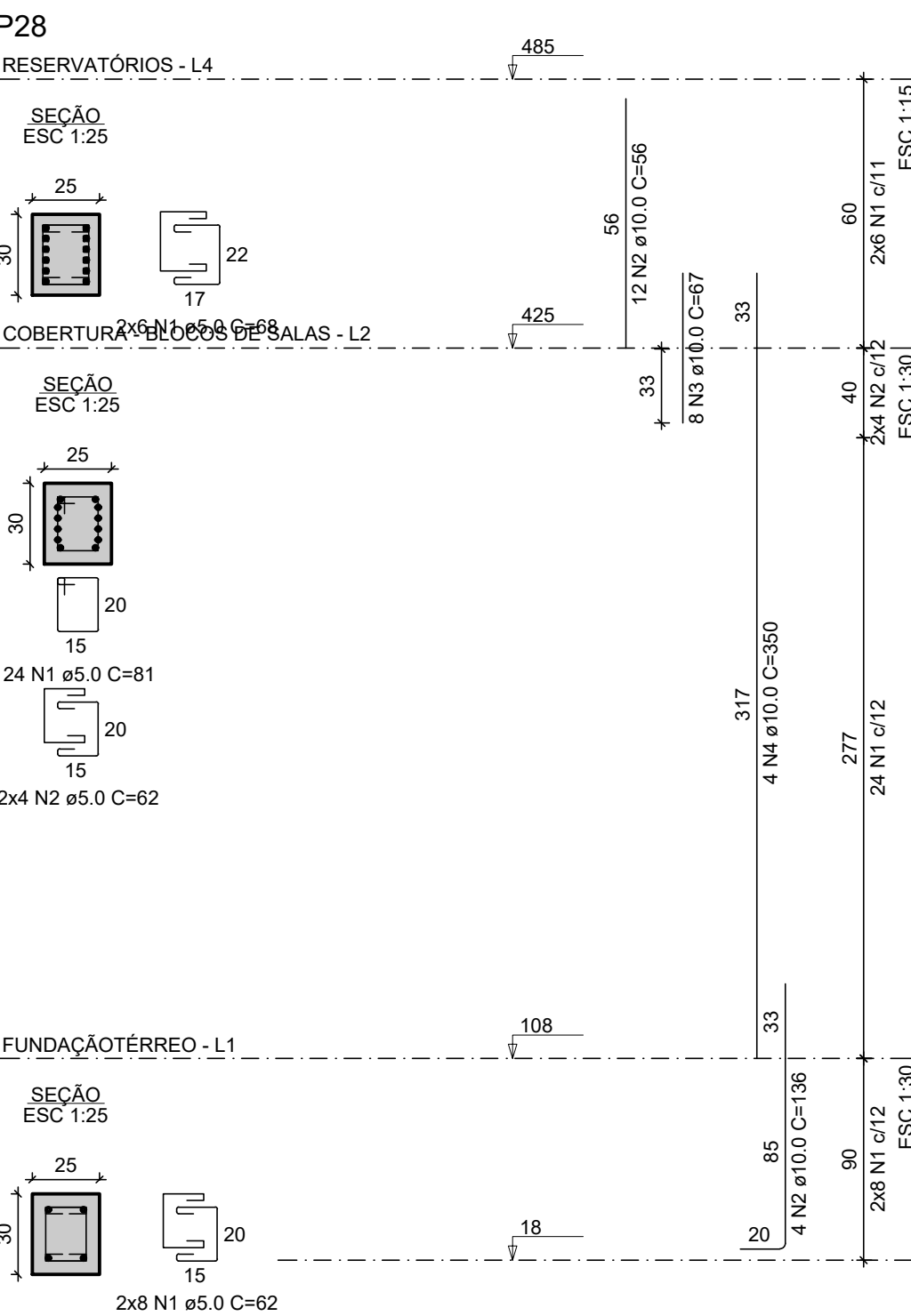


RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	543.6	388.7
	12.5	73.1	77.5
	20.0	26.7	72.4
CA60	5.0	741.2	125.7

PESO TOTAL (kg)

CA50 518.6
CA60 125.7

Volume de concreto (C-30) = 5.45 m³
Área de forma = 85.47 m²



ESTADO DO RIO GRANDE DO SUL
PREFEITURA MUNICIPAL DE IMBÉ
AVENIDA PARAGUASSU, 2070 - CENTRO - IMBÉ - RS
FONE: 51-3627.8515 - CEP: 95.625-000

E. M. E. F. RUI BARBOSA
NOVAS INSTALAÇÕES

ENFEREIRO	BAIRRO MARILUZ - IMBÉ - RS AVENIDA MARILUZ, 1160 TERRENO URBANO - SETOR 35	DESENHISTA	BRUNO
SECRETARIA MUNICIPAL DE EDUCAÇÃO	ANA CAROLINA MOREIRA SANTOS ARQUITETA E URBANISTA CAU-A1715046	ESCALA:	INDICADAS
PRIMEIRO	BRUNO REBECHI DALLE MULLE ENGENHEIRO CIVIL CREA-RS 202822	DATA:	ABRIL 2025
SEGUNDO	RUTH JOSELI MONTEIRO RUSCHEL SECRETARIA MUNICIPAL DE EDUCAÇÃO	ÁREA:	2.491,91m²
TERCEIRO	ESTRUTURAL ARMADURAS DOS PILARES - BLOCOS 01, 02 E 04 - 02	PERÍODO:	33/56