

PROJETO ESTRUTURAL - CRECHE BEIRA RIO

Escala indicada

P1=P3=P33=P43=P51

P2=P4

P5=P6=P7=P12=P13=P18=
=P23=P24=P38=P49=P54=
=P59

P8=P11=P14=P15=P16=
=P17=P19=P20=P21=P22=
=P27=P28=P44=P45=P46=
=P48=P50=P52=P53=P56=
=P61=P62=P64

P9=P34

RELAÇÃO DO AÇO

5xP1	2xP2	12xP5
23xP8	2xP9	P10
P25	P26	2xF29
P30	P31	P35
P36	P37	5xP39
P42	P55	P58
P60	P63	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	63	113	7119
	2	5.0	157	30	4710
	3	5.0	138	141	19458
	4	5.0	252	25	6300
	5	5.0	259	103	26677
	6	5.0	18	133	2394
	7	5.0	20	41	820
	8	5.0	20	123	2460
	9	5.0	79	83	6557
	10	5.0	16	25	400
CA50	11	5.0	8	30	240
	12	5.0	9	93	837
	13	10.0	226	163	36838
	14	10.0	32	111	3552
	15	10.0	78	173	13494
	16	10.0	4	116	464
	17	10.0	2	100	200
	18	10.0	10	168	1680
	19	10.0	2	121	242
	20	12.5	16	162	2592
	21	12.5	14	110	1540
	22	12.5	6	172	1032

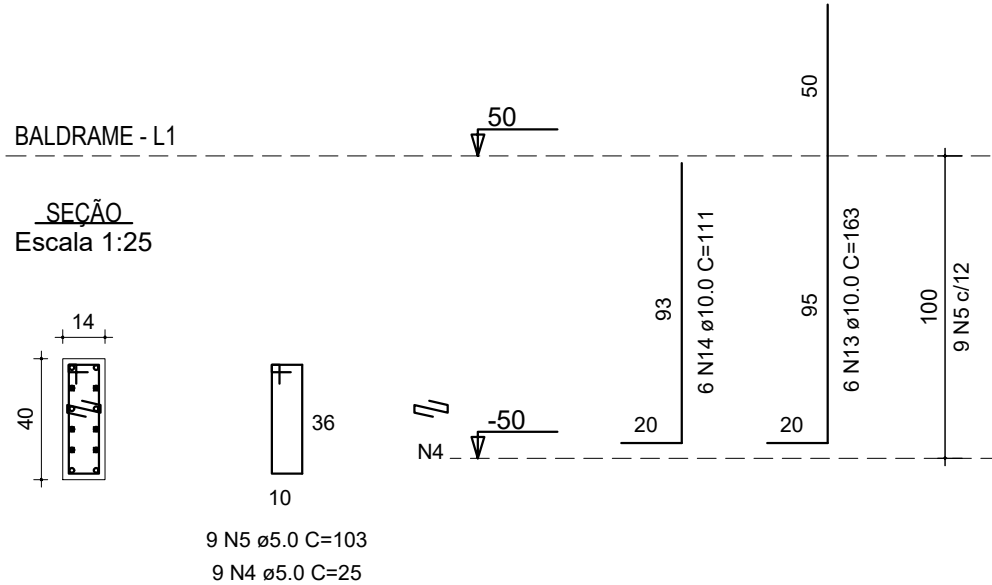
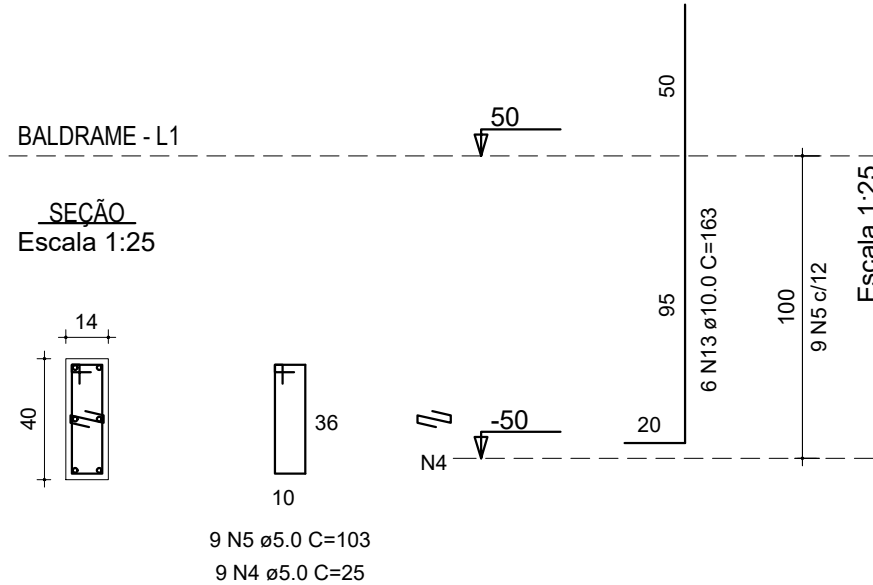
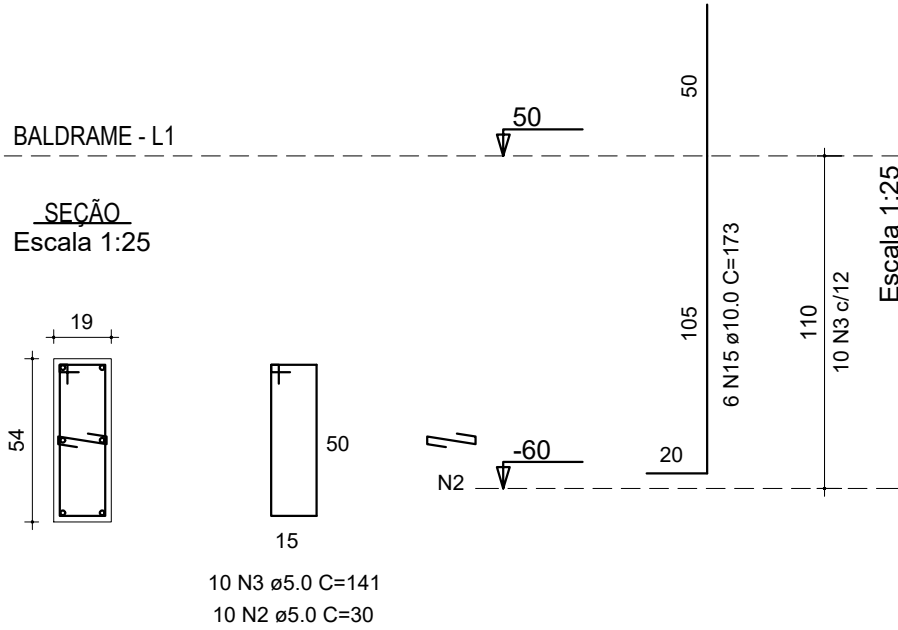
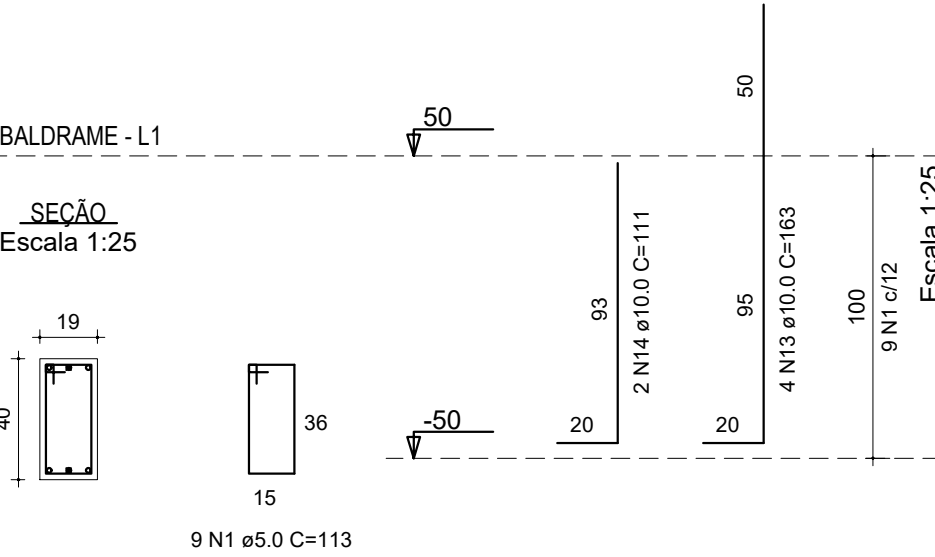
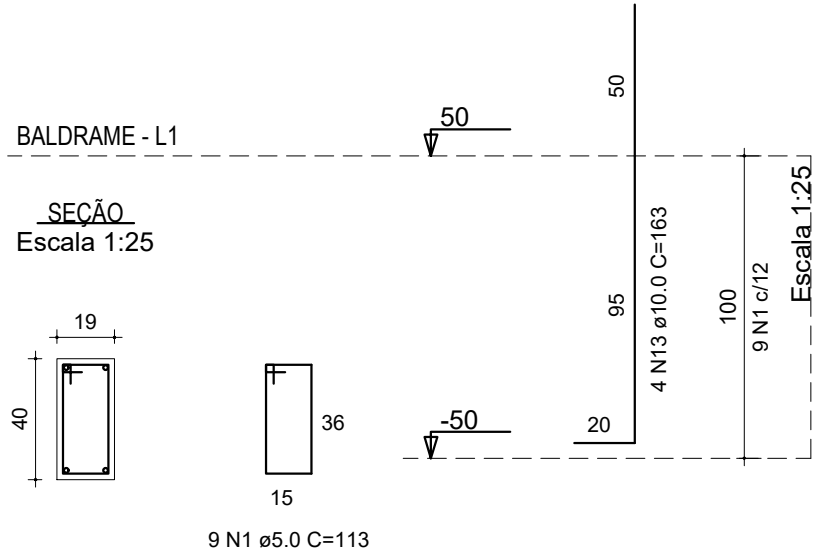
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	10.0	564.7	52	383
CA60	5.0	779.7	5	54.7

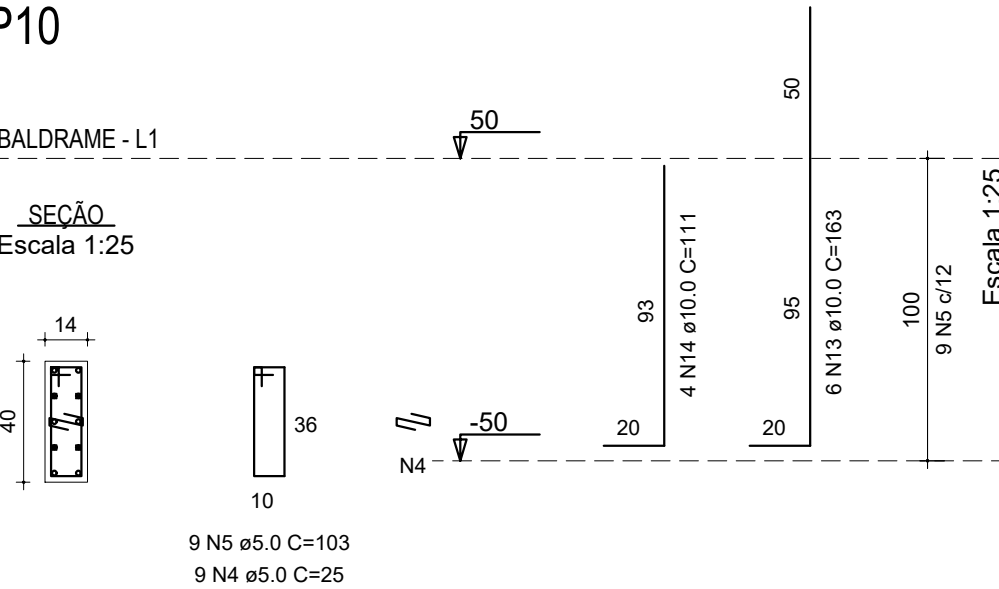
PESO TOTAL (kg)	
CA50	437.7
CA60	132.2

Volume de concreto (C-30) = 4.57 m³

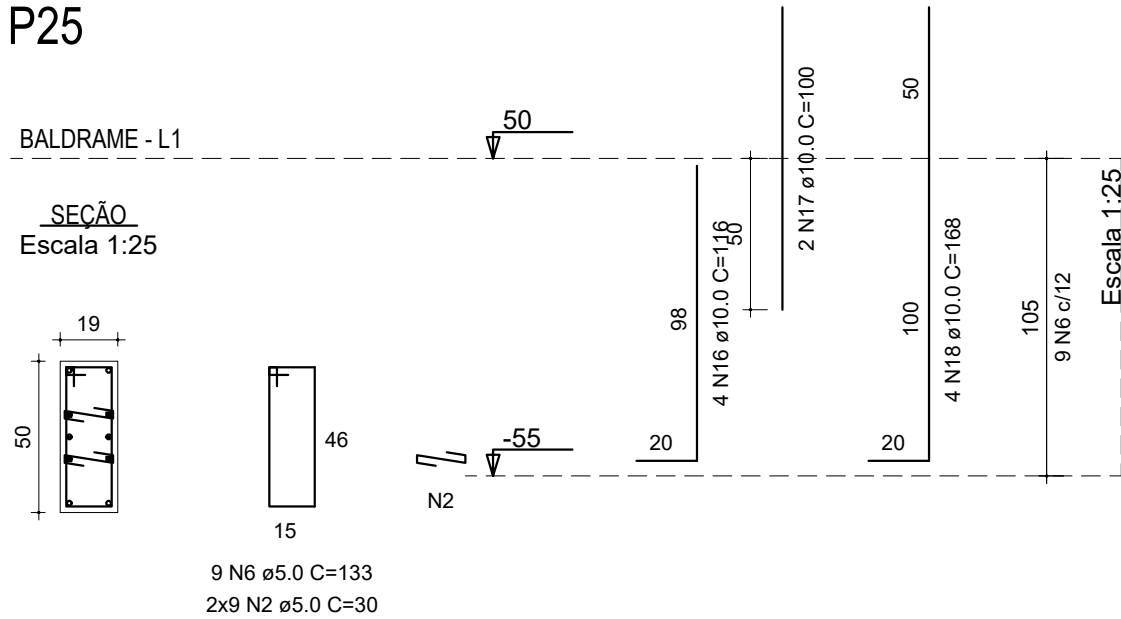
Área de forma = 76.42 m²



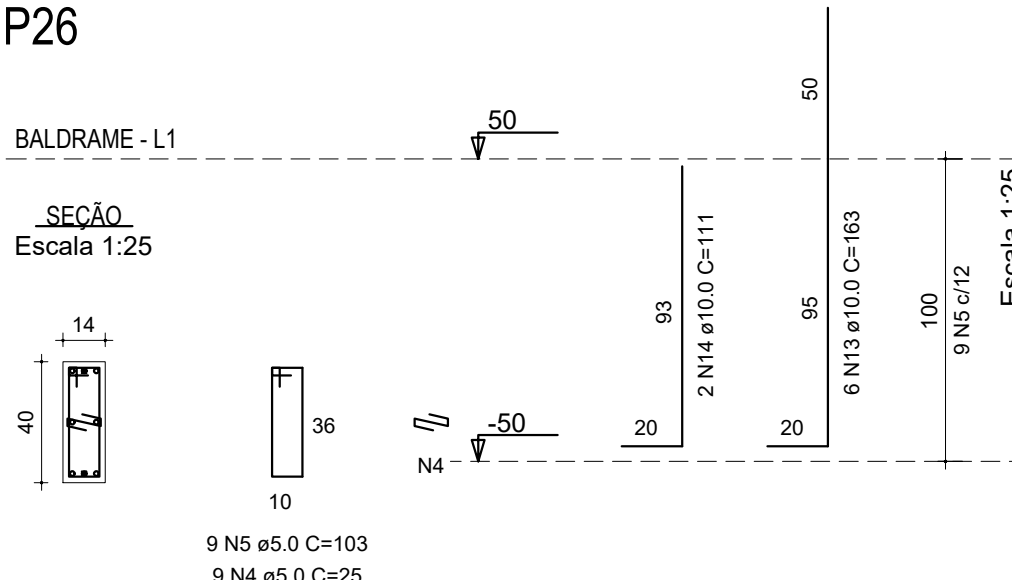
P10



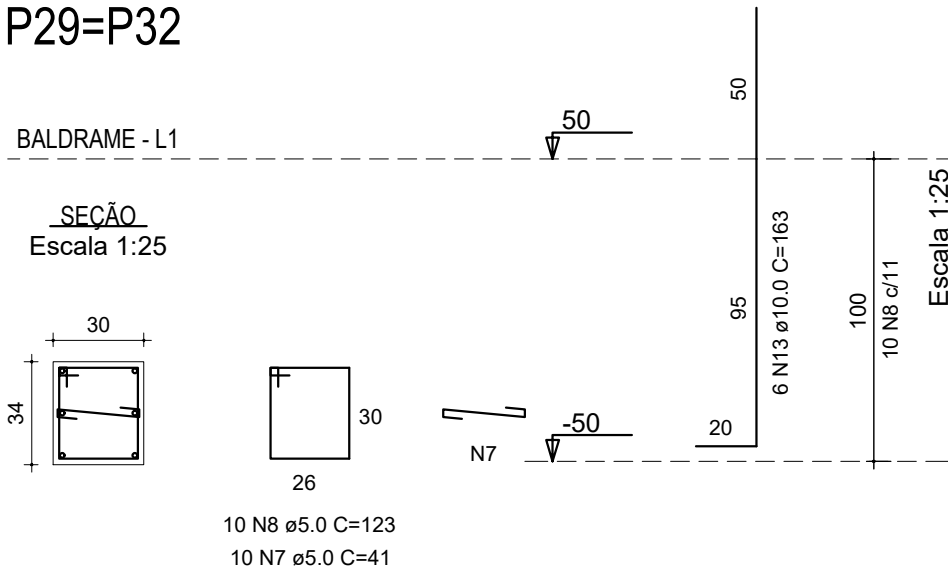
P25



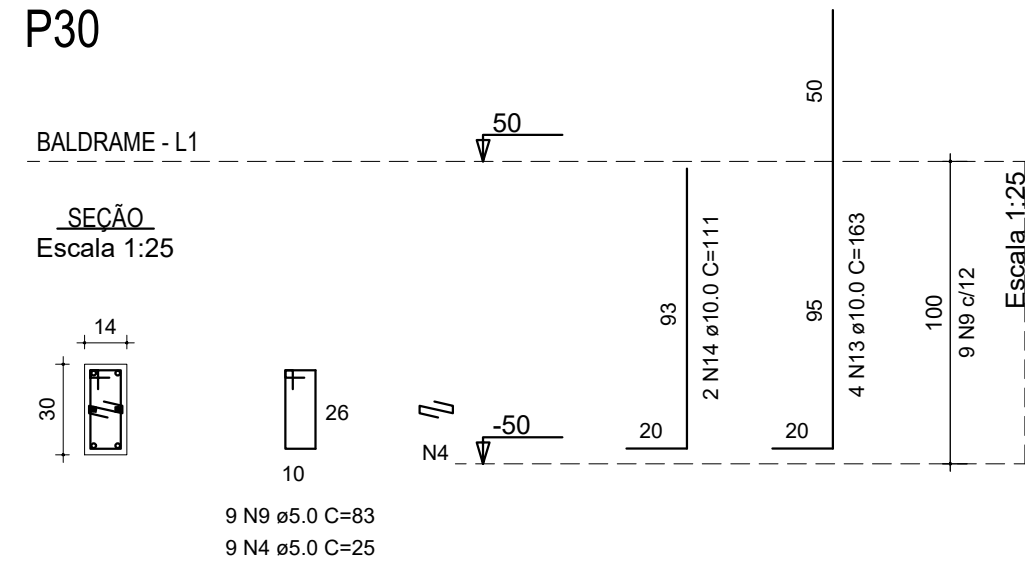
P26



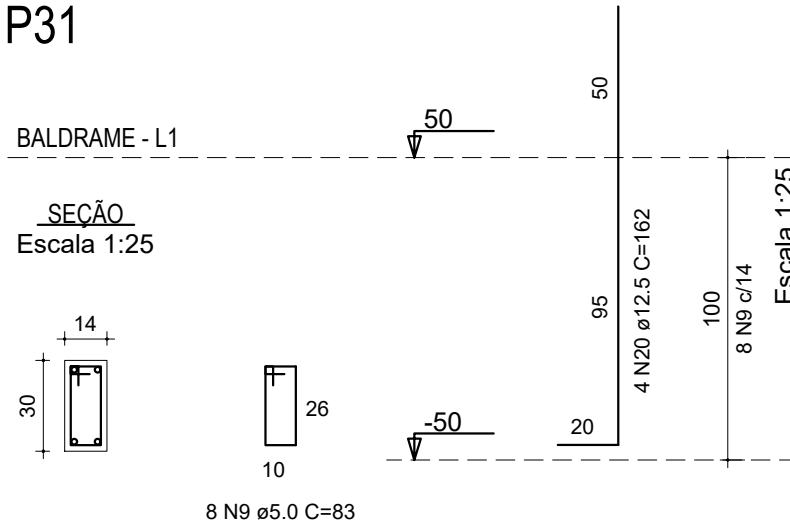
P29=P32



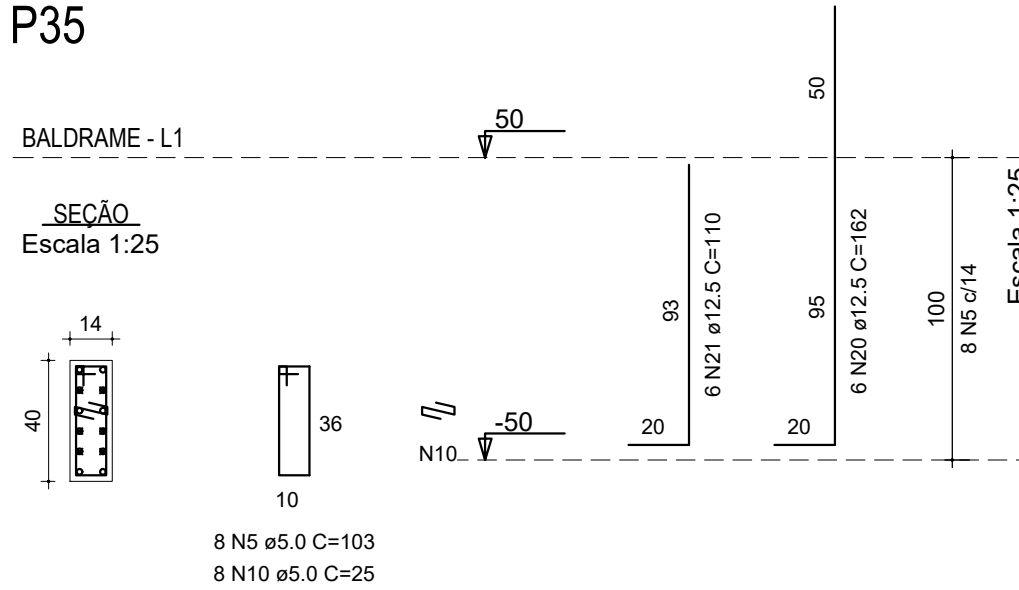
P30



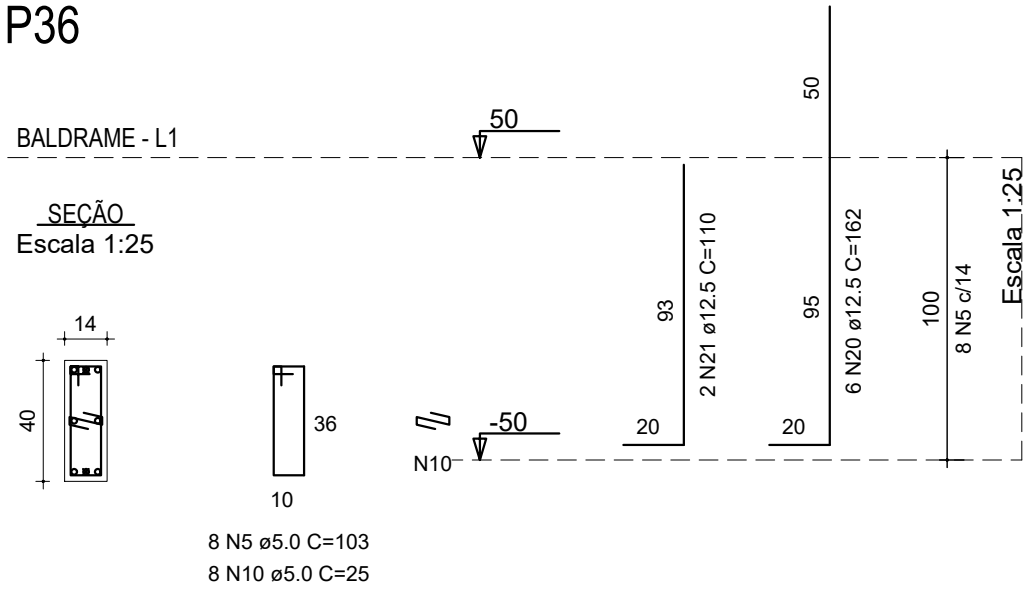
P31



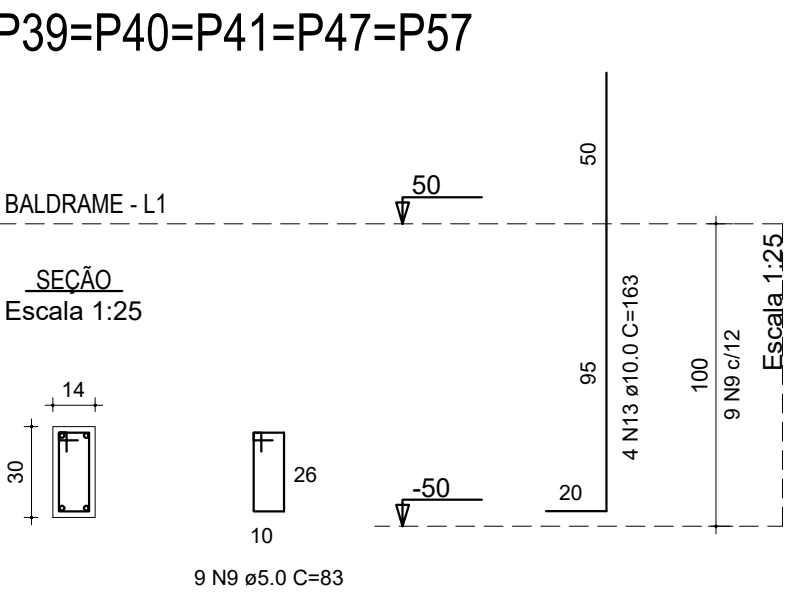
P35



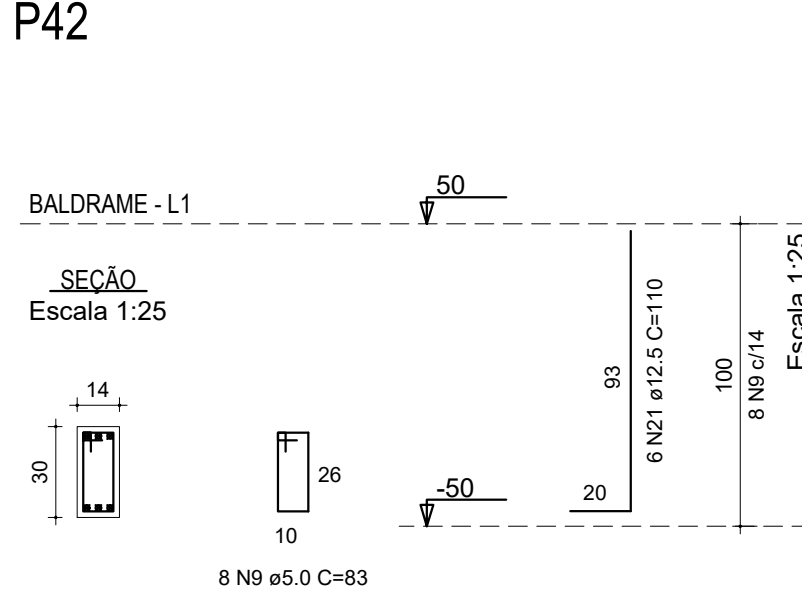
P36



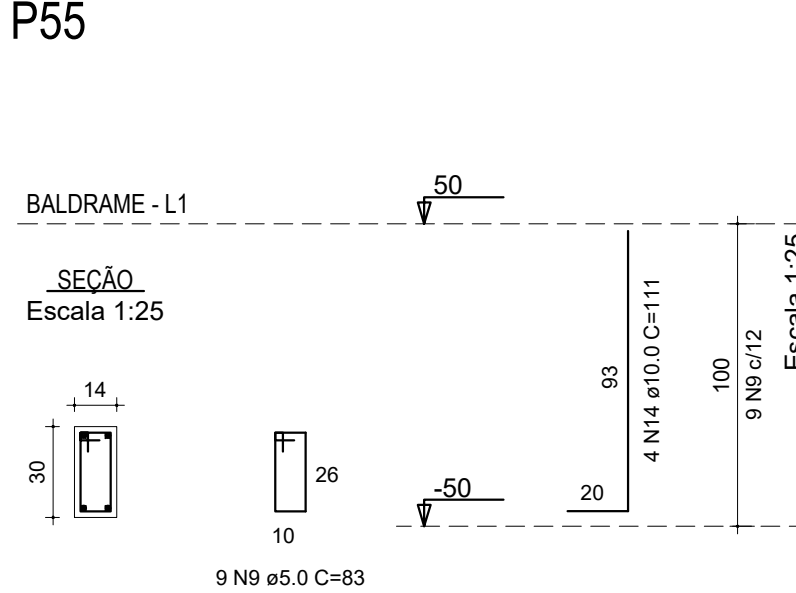
P39=P40=P41=P47=P57



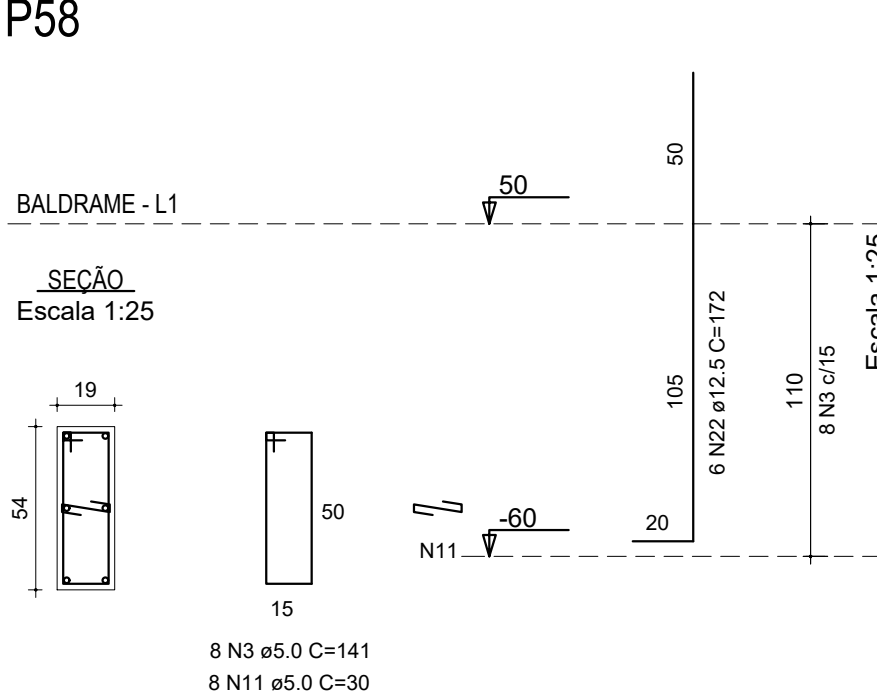
P42



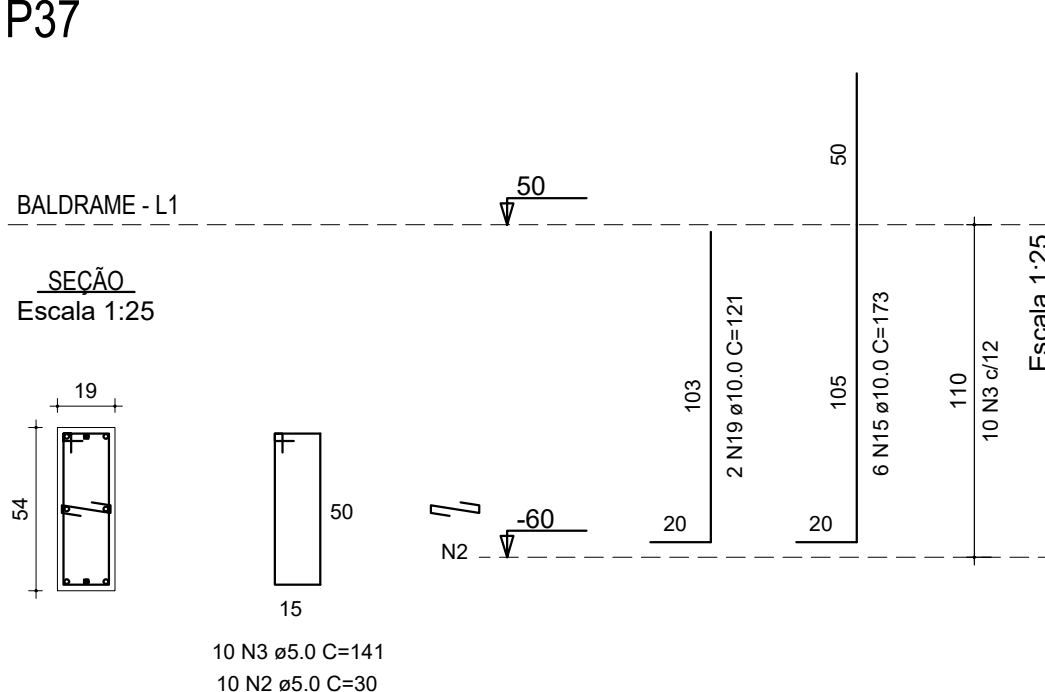
P55



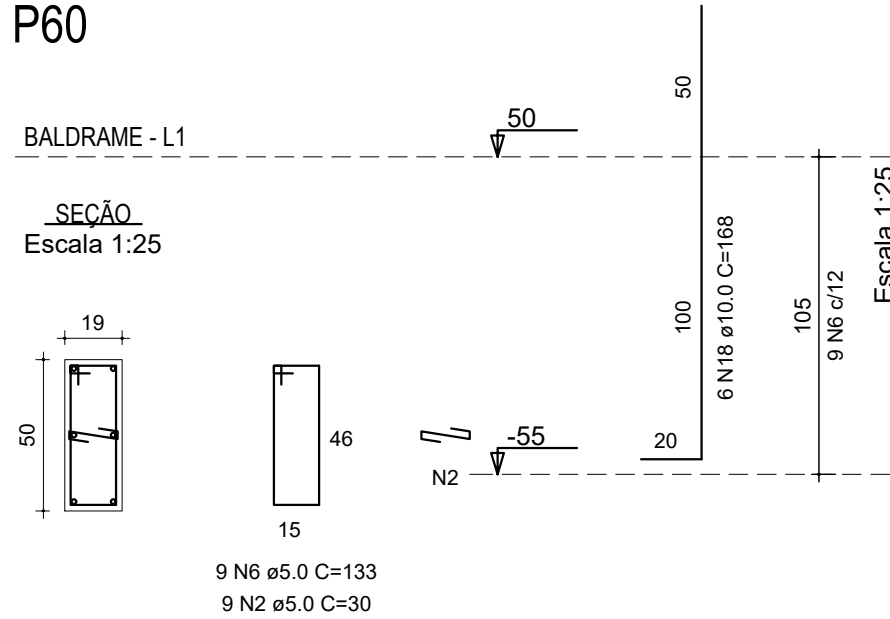
P58



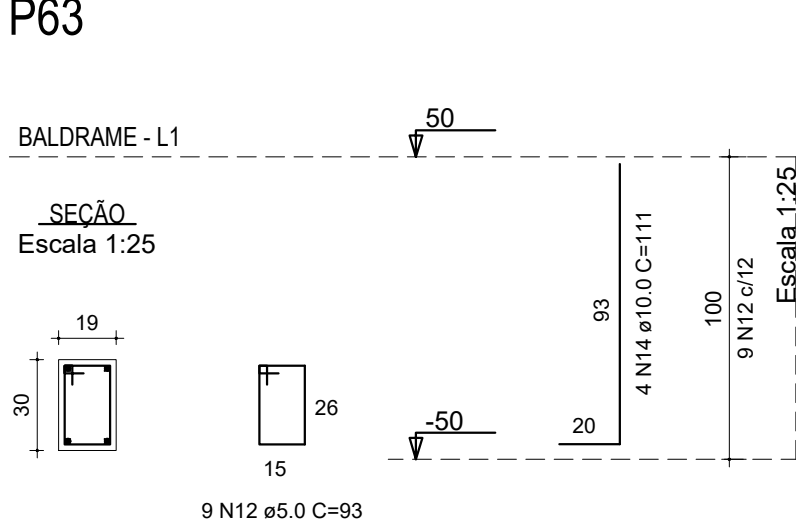
P37



P60



P63



PROJETO		GERÊNCIA DE PROJETOS PEDRO HENRIQUE JUSTINIANO ENG. CIVIL
COORDENAÇÃO DE PROJETOS ALOISIO CAETANO FERREIRA CREA: MG-97.132/D		
RESPONSÁVEL TÉCNICO ENG. CIVIL FLÁVIA C. BARBOSA CREA: MG-187.842/D		
PROJETO ENG. CIVIL WILLIAM BARADEL LARI		
DESENHO ENG. CIVIL WILLIAM BARADEL LARI		
EMPREENDIMENTO		
CONSTRUÇÃO DA CRECHE BEIRA RIO		
ENDEREÇO RUA MARCOS FLÁVIO E DIAS, B. JARDIM BEIRA RIO SANTA RITA DO SAPUCAÍ - MINAS GERAIS		DISCIPLINA ESTRUTURA
ASSUNTO PROJETO ESTRUTURAL EM CONCRETO ARMADO BLOCO III - DETALHAMENTO DOS ARRANQUES DOS PILARES		FASE DO PROJETO EXECUTIVO
FOLHA Nº.		23
DATA INICIAL 02/02/2022	ESCALA INDICADA	REVISÃO R00
ARQUIVO DAC-PMSRS-CBR-PE-EST-R00.DWG		