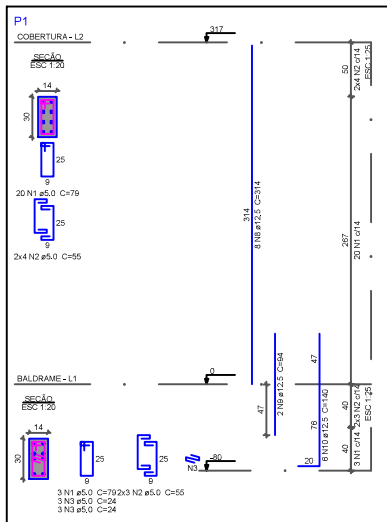
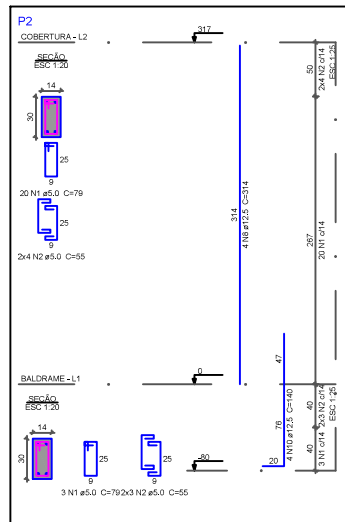
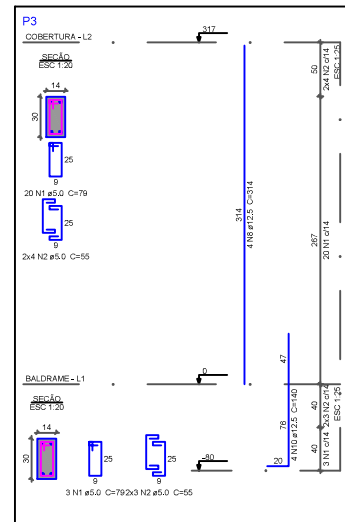
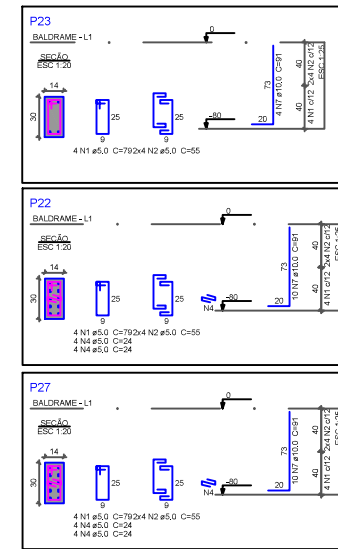
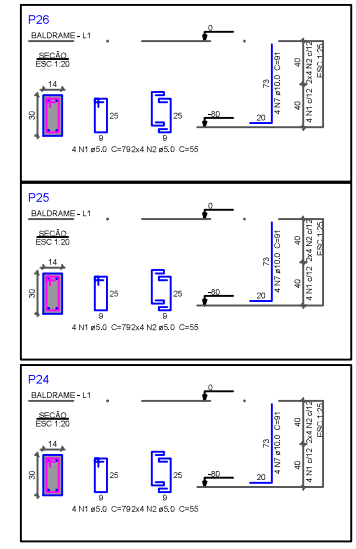
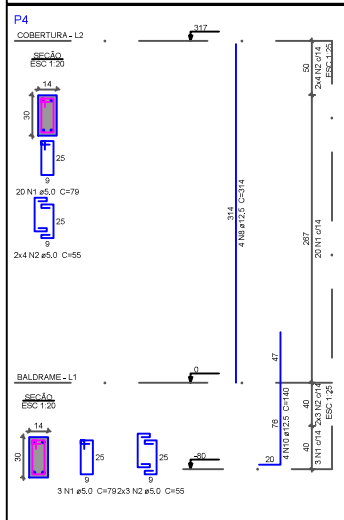
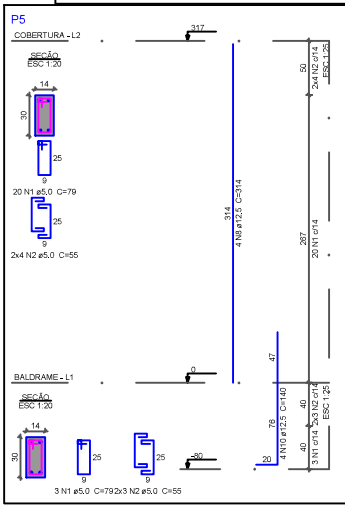
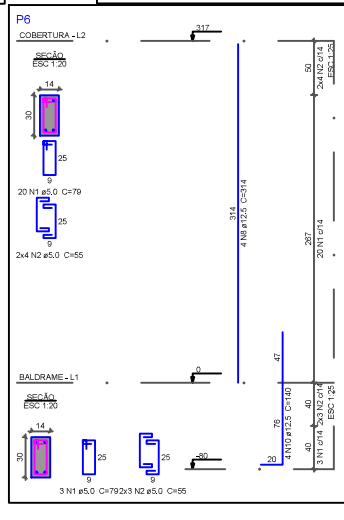
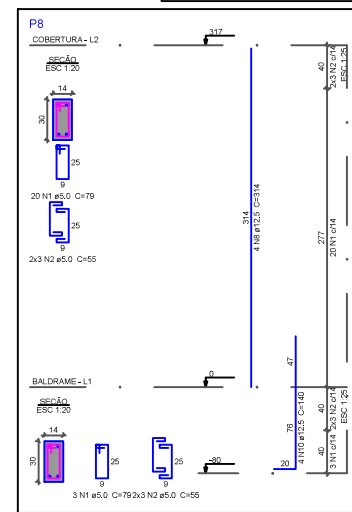
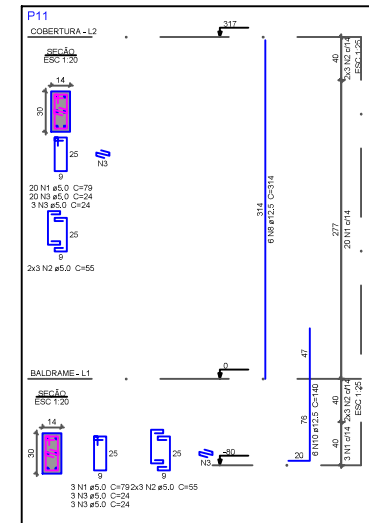
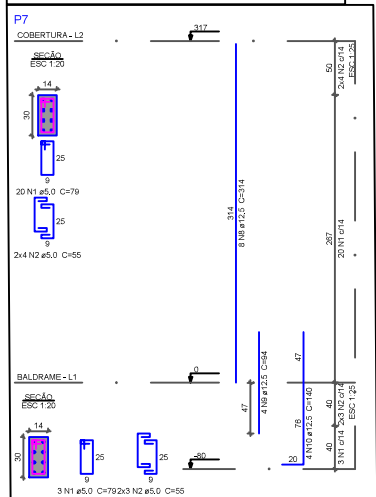
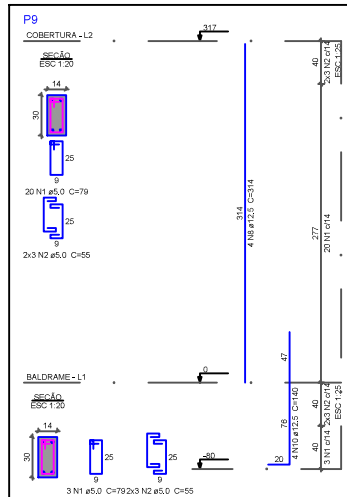
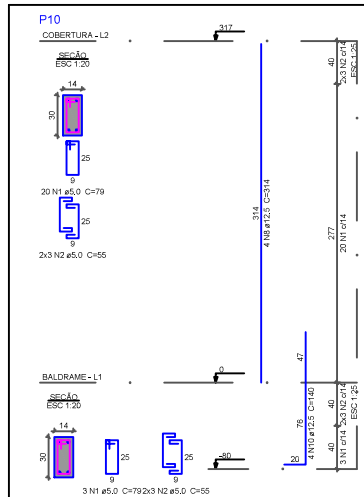




Relação do aço

ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
BALDRAME	P22	P24	P25	P26	P27
COBERTURA	P3	P4	P5	P6	P7
	P8	P9	P10	P11	P12
	P13	P14	P15	P16	P17
	P18	P19	P20	P21	
CASO	1	5.0	481	79	38419
	2	5.0	288	55	15890
	3	5.0	170	24	4080
	4	5.0	16	24	384
	5	5.0	40	80	3200
	6	5.0	28	60	1680
	7	10.0	38	91	3478
	8	12.5	120	314	37680
	9	12.5	10	94	940
	10	12.5	110	140	15400

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (cm)	PESO * 10% (kg)
CASO	10.0	32.1	27.2
CASO	12.5	540.2	52.4
CASO	12.5	630.0	106.0
PESO TOTAL (kg)			
CASO	594.7		
CASO	106.0		

Volume de concreto (C-25) = 3.3 m³
Área de forma = 08.8 m²

ANILSO LELIO DA SILVA:87453142687

Assinado de forma digital por ANILSO LELIO DA SILVA:87453142687
Dados: 2026.04.27 15:06:24 -03'00'

Documento assinado digitalmente



NILCEZAR AUGUSTO PERES
Data: 25/04/2026 16:30:25-0300
Verifique em <https://validar.iti.gov.br>

PROJETO		CREA MG.161.233/D-MG	
PROJETO		18.025.981/0001-97	
TÍTULO:		PROJETO ESTRUTURAL - CMEI - MARIANA LOPES DE OLIVEIRA SOUZA	
DETALHE:		PILARES - DETALHES	
ENDEREÇO:		RUA SEBASTIÃO CUSTÓDIO RENO, Nº 103	
MUNICÍPIO:		MONTENEGRO	
ESTADO:		MG	
CÓDIGO:		N/A	
CÓDIGO:		05/06	