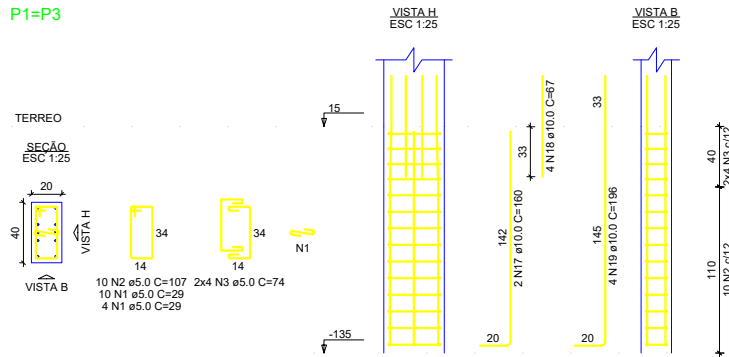
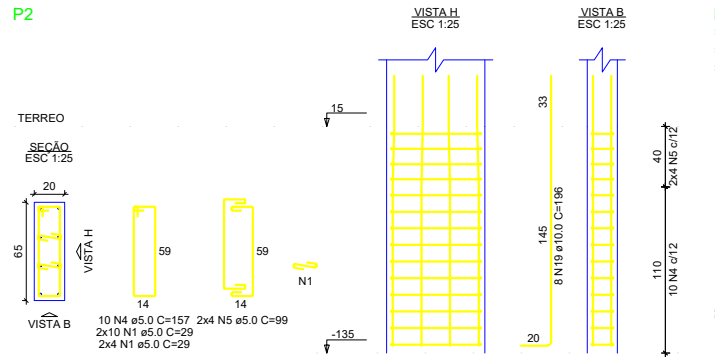


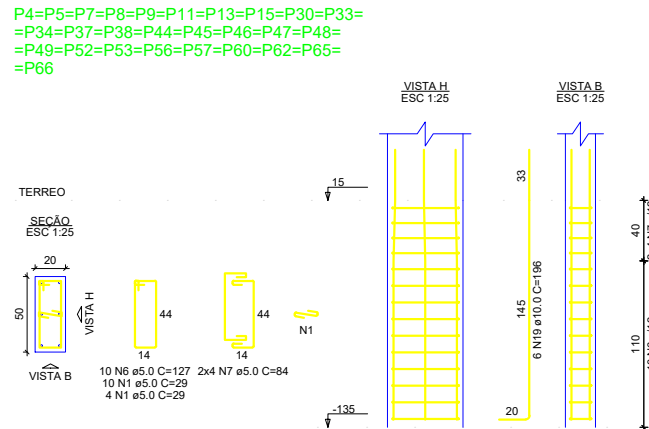
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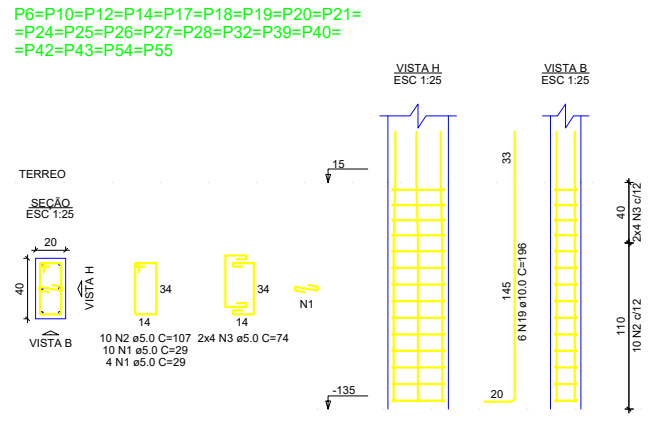
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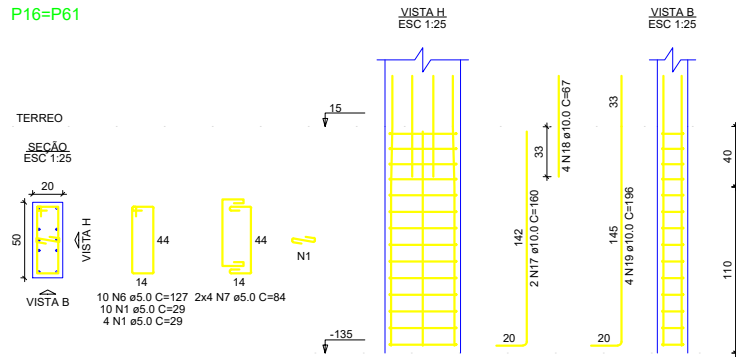
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=P34=P37=P38=P44=P45=P46=P47=P48=
=P49=P52=P53=P56=P57=P60=P62=P65=
=P66



P6=P10=P12=P14=P17=P18=P19=P20=P21=
=P24=P25=P26=P27=P28=P32=P39=P40=
=P42=P43=P54=P55

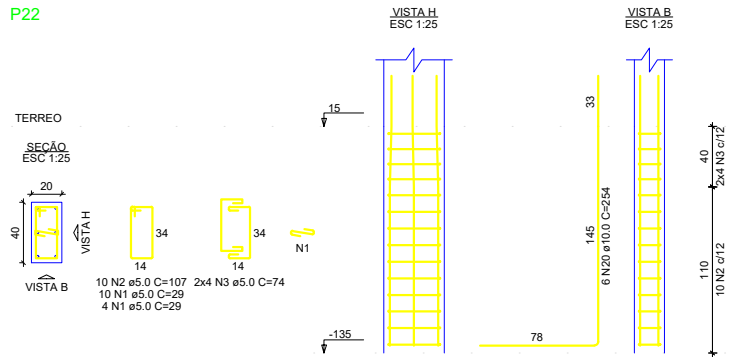


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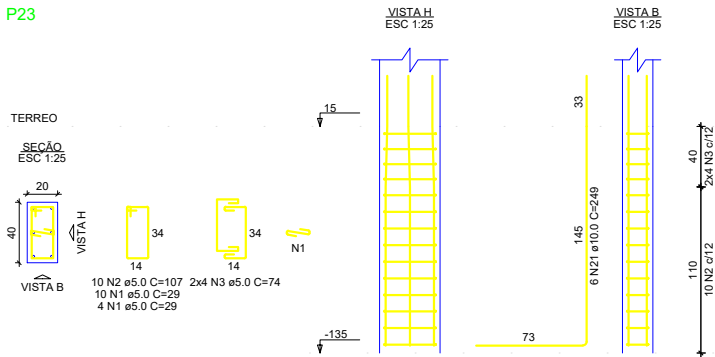


RESUMO DO AÇO				
AÇO	DIAM (mm)	C. TOTAL (m)	QUANT + 10% (Barra)	PESO + 10% (kg)
CASO	10.0	885.6	82	800.6
	12.5	102.7	10	106.8
	16.0	15	2	36.1
	20.0	13.3	2	267.1
	5.0	1575.6		
PESO TOTAL (kg)				771.5
CASO				287.1
Volume de concreto (C-30) = 7.53 m³				
Área de forma = 106.02 m²				

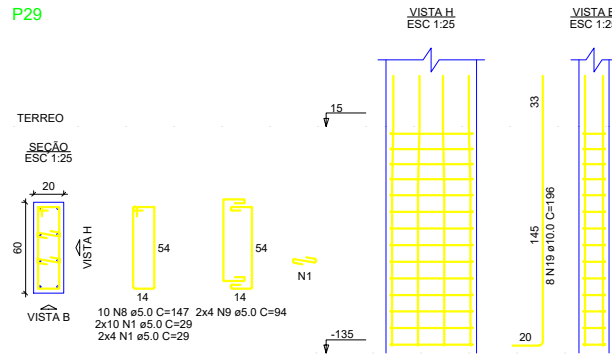
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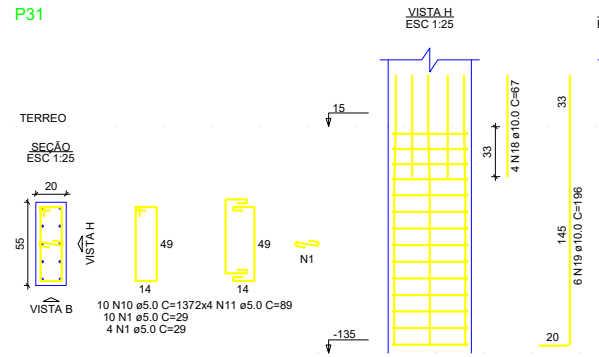
P23



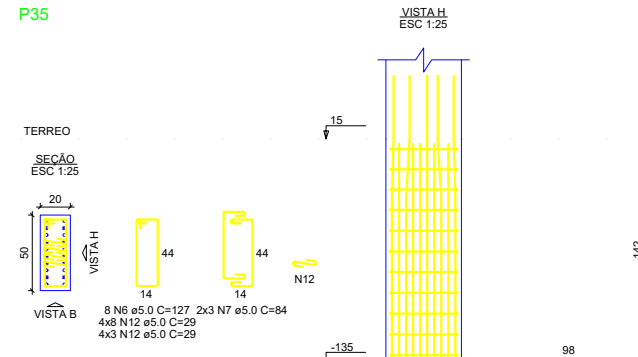
P29



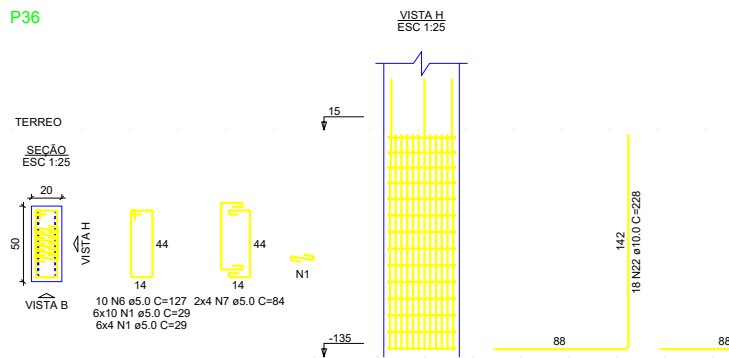
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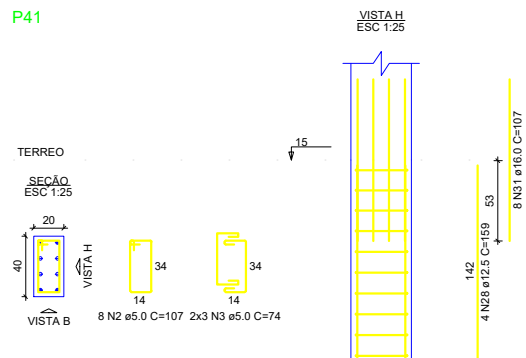
P35



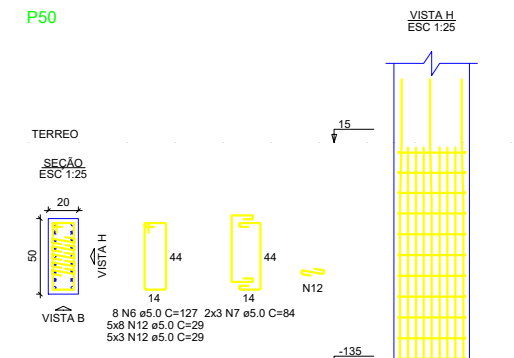
P36



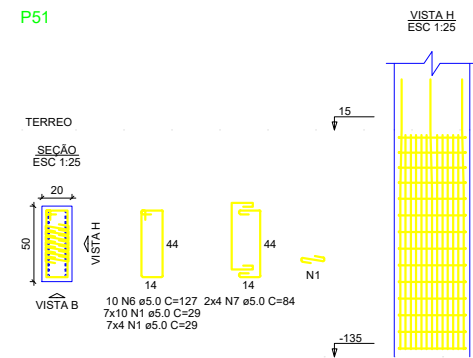
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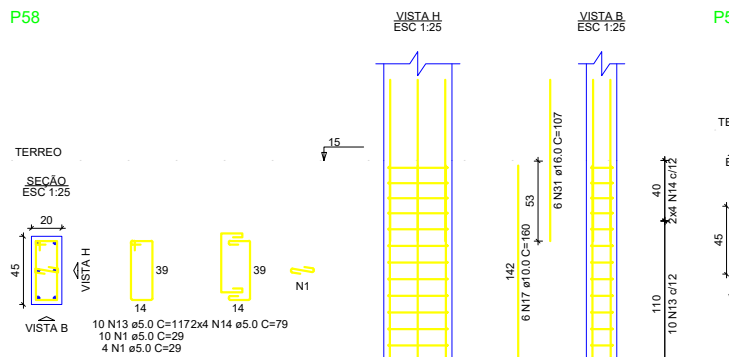
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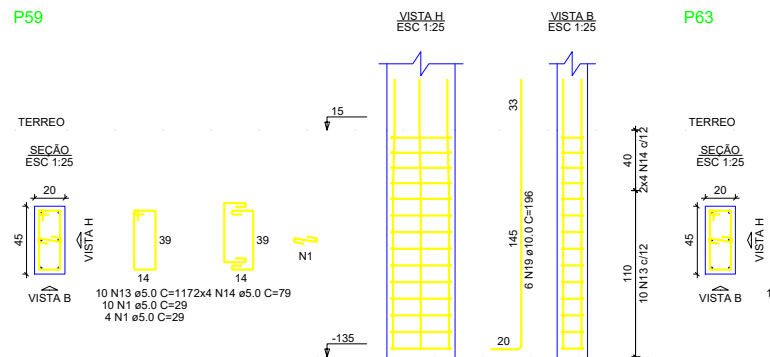
P51



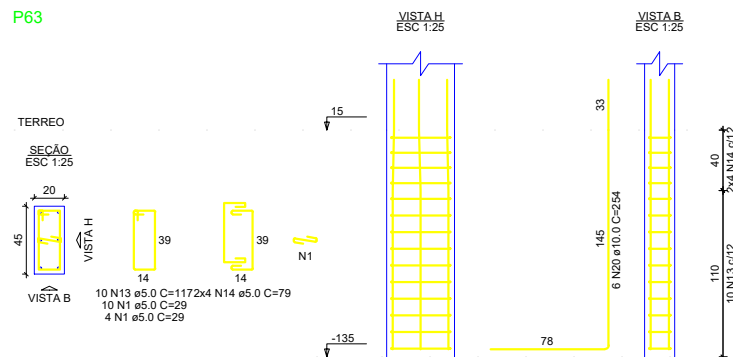
P58



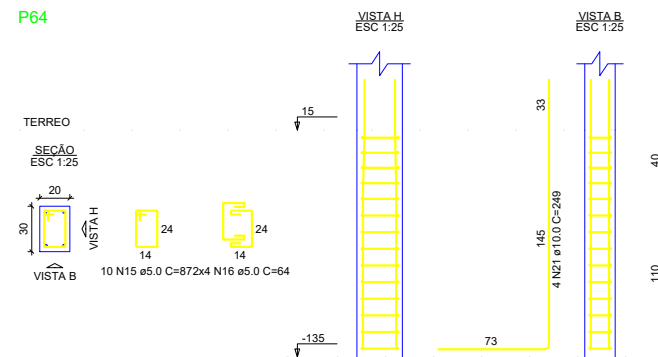
P59



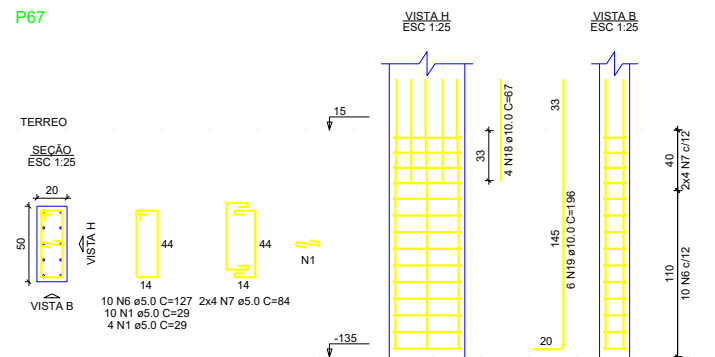
P63



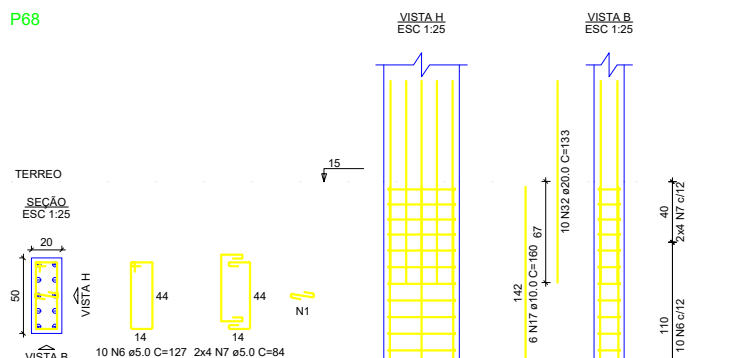
P64



P67



P68



PROJETO: HAEJEL PROJETOS & CONSULTORIA		MUNICÍPIO DE CAMPO BOM	
		MARCELO LUIZ DECONTOS BRUNO Eng. Civil CREA / RS: 91.767	
Projeto Estrutural			
Pilares Térreo - Arranques			
DATA: Fevereiro / 2025	DESENHISTA: Marcelo	FRANCHA:	E-03
ÁREA TOTAL: 976,15m²	NOME DO PROJETO: EMEI Pastor Ramão		
ENDEREÇO: Rua Waschinton Luiz, Santa Lúcia - Campo Bom / RS			