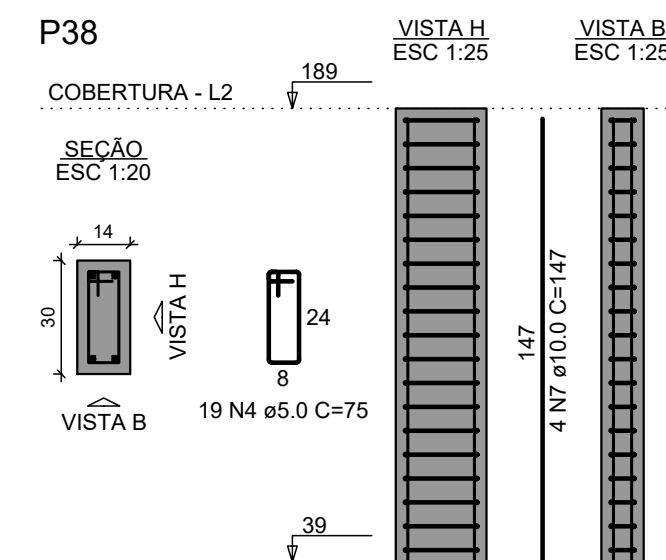
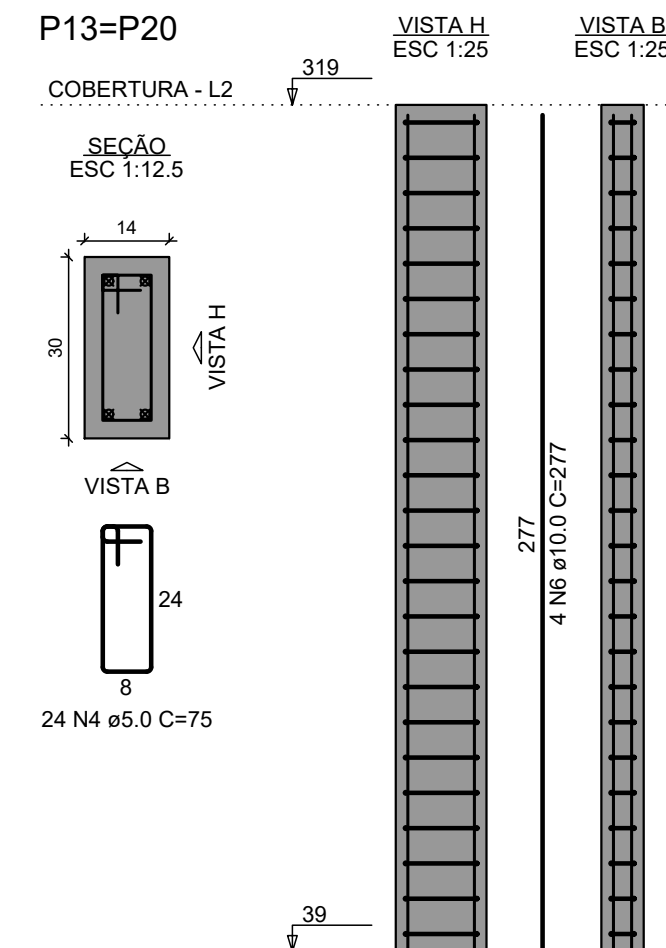
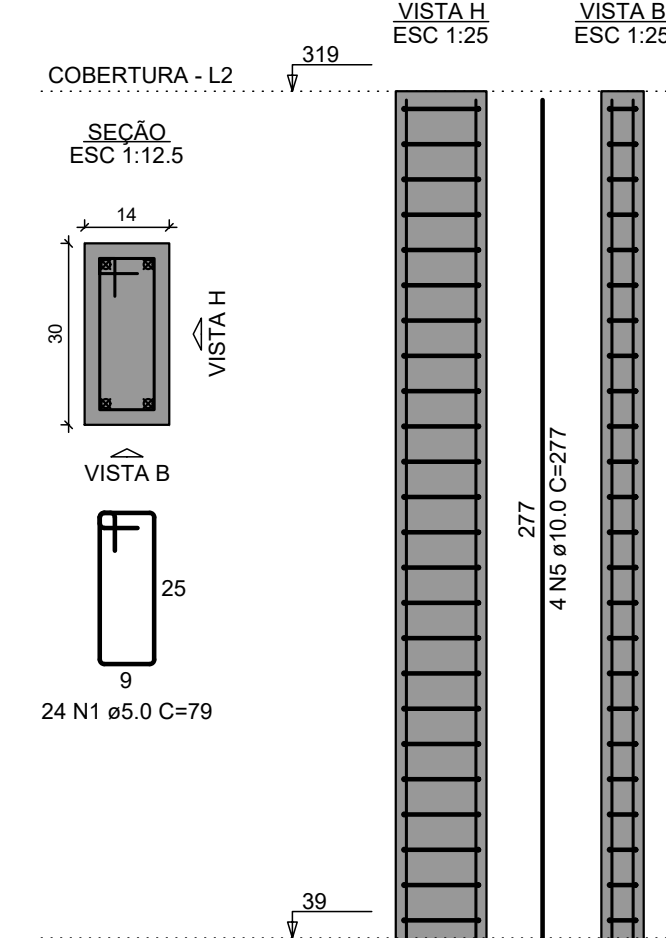
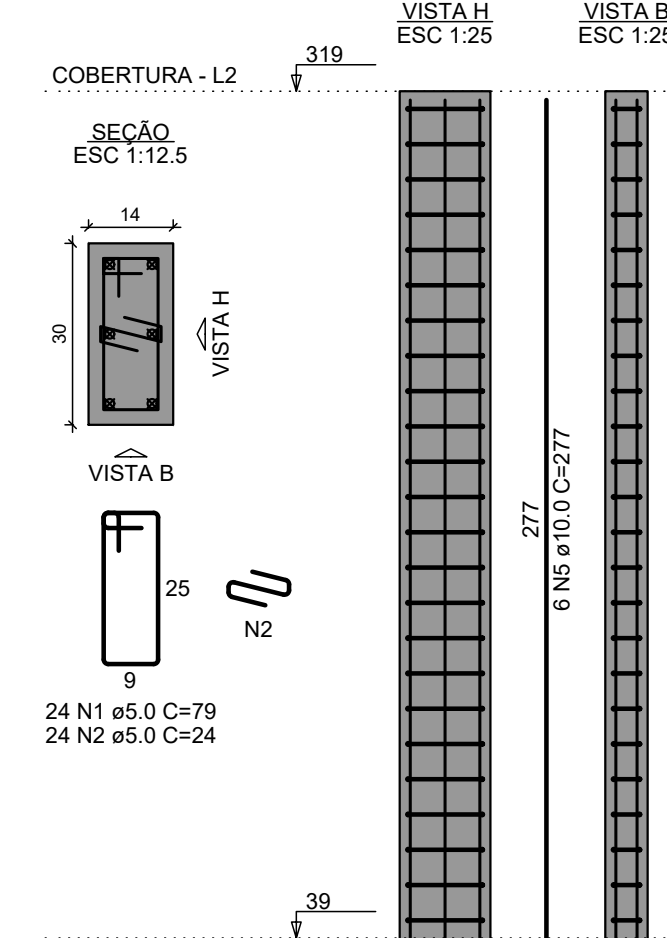




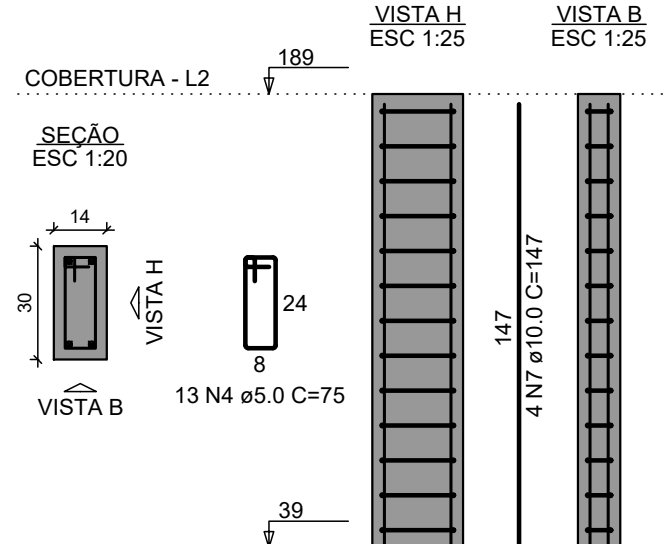
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=P10=P14=P15=P16=P17=
=P18=P19=P21=P23=P24=
=P26=P27=P29=P30=P32



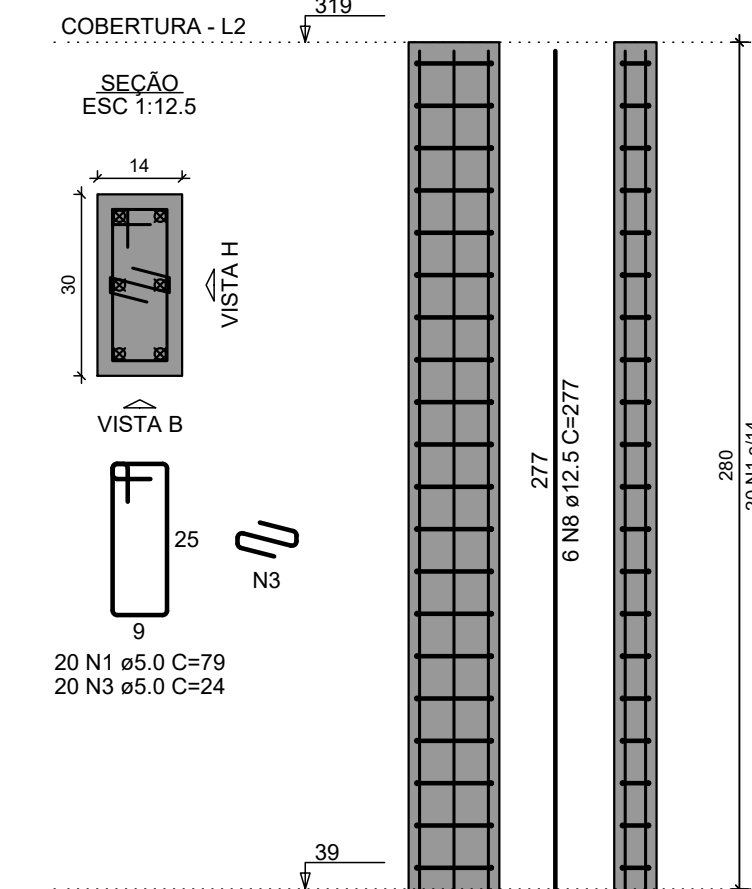
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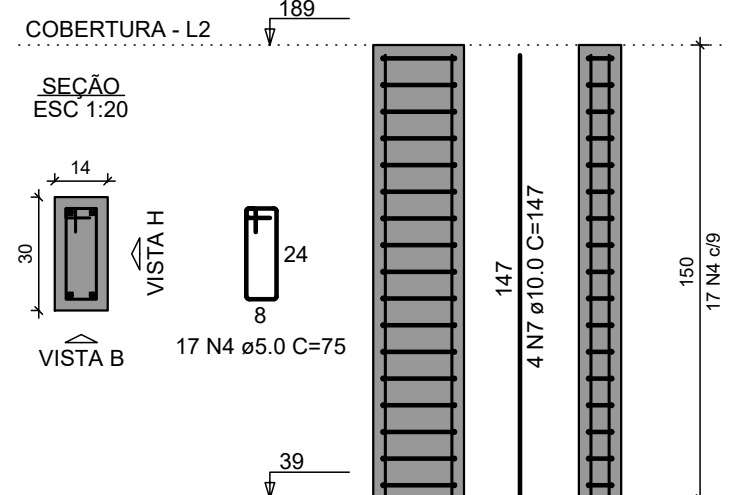
P33=P34=P36=P37



P12



P35



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	620	79	48980
	2	5.0	72	24	1728
	3	5.0	20	24	480
	4	5.0	136	75	10200
CA50	5	10.0	106	277	29362
	6	10.0	8	277	2216
	7	10.0	24	147	3528
	8	12.5	6	277	1662

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	351.1	238.1
CA60	12.5	16.6	17.6
CA60	5.0	613.9	104.1
PESO TOTAL (kg)			
CA50	255.7		
CA60	104.1		

Volume de concreto (C-25) = 3.67 m³
Área de forma = 76.91 m²



Prefeitura Municipal de Tubarão

Secretaria de Urbanismo,
Mobilidade e Planejamento

Projeto Estrutural

OBJETO: AMPLIAÇÃO UBS BOM PASTOR

ENDEREÇO: Rua Hilário Damian
Bairro Bom Pastor - Tubarão/SC

ASSUNTO: GEOMETRIA EM PLANTA DO BALDRAME E DETALHAMENTO
DOS PILARES DA COBERTURA

RESP. TÉCNICO:

ESCALA: Indicada

DATA: Fev/2020

ARQUIVO: est_UBS Bom Pastor 02.dwg

RICHARD RODRIGUES ALEXANDRE
Engenheiro Civil - CREA/SC nº 044.062-2

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