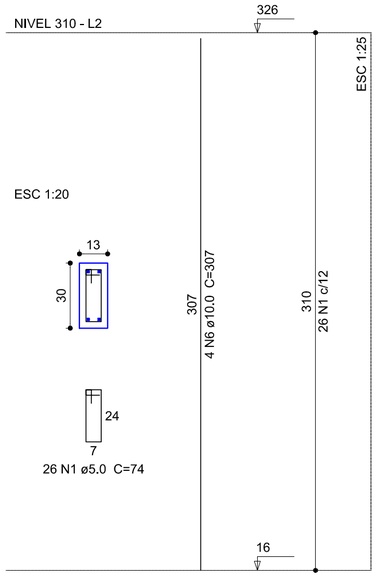
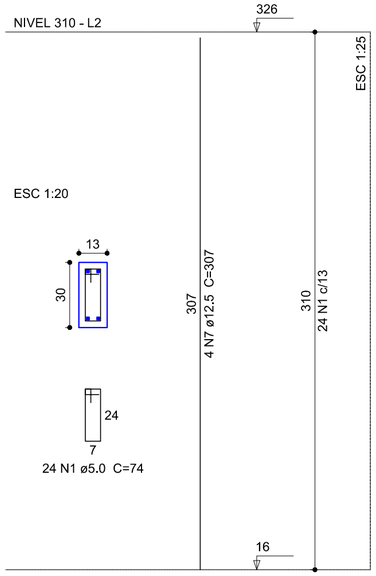
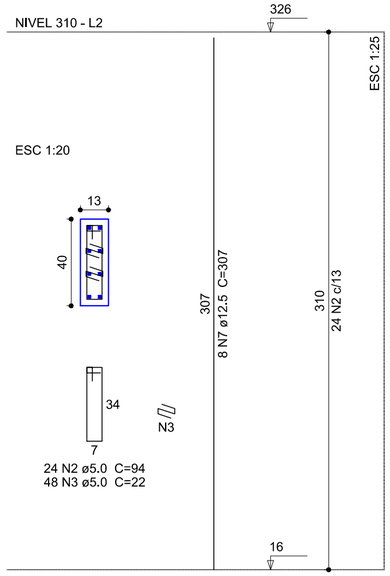
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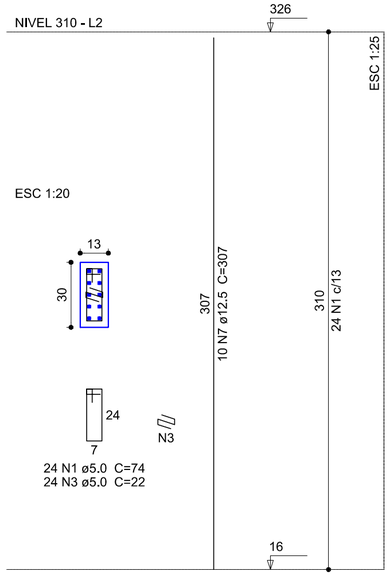
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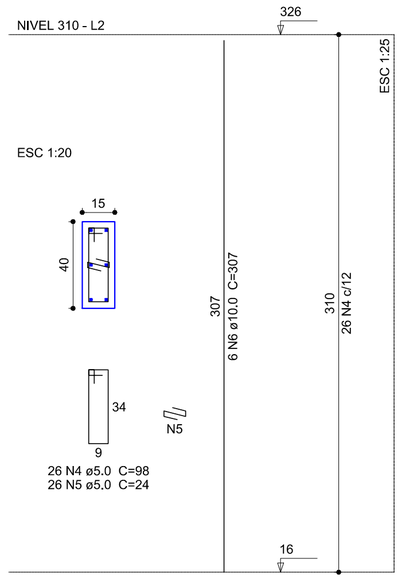
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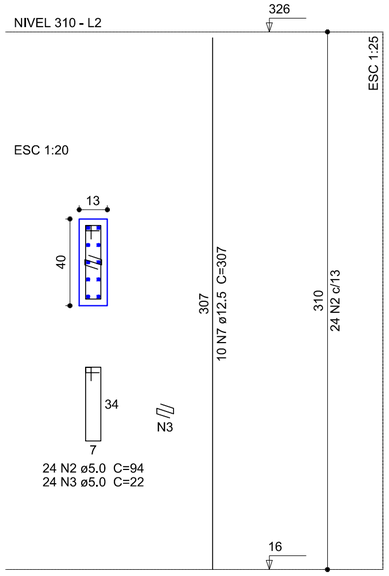
P19=P21



P3=P6



P7=P10



Relação do aço

5xP1 2xP3 2xP7
3xP11 2xP15 2xP19

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	250	74	18500
	2	5.0	96	94	9024
	3	5.0	192	22	4224
	4	5.0	52	98	5096
	5	5.0	52	24	1248
CA50	6	10.0	32	307	9824
	7	12.5	68	307	20876

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	98.3	66.6
	12.5	208.8	221.2
CA60	5.0	381	64.6

PESO TOTAL (kg)	
CA50	287.8
CA60	64.6

Volume de concreto (C-25) = 2.23 m³
Área de forma = 46.62 m²

MUNÍCIPIO DE VALE DO SOL
PODER EXECUTIVO
RUA AUGUSTO EMMEL, N° 96, CENTRO, CEP. 96878-000, FONE: 015 (51) 3750-1122

KATCZINSKIengenharia

Projeto FNDE - Ampliação de 2 salas EMEI Daltro Filho

ESTRADA VICINAL DE FAXINAL DE DENTRO, ÁREA RURAL, VALE DO SOL - RS.

Projeto: JOAO LUIZ DOS SANTOS KATCZINSKI:00311836038
Assinado de forma digital por JOAO LUIZ DOS SANTOS KATCZINSKI:00311836038
Dados: 2024.07.03 18:03:23 -03'00'
Eng.º Civil - João Luiz Katczinski
CREA - RS213510

Cliente: Prefeitura Municipal de Vale do Sol/RS (EMEF. Daltro Filho)
CNPJ: 94.577.574/0001-70

Escala: Indicada

Conteúdo da Prancha: ESTR. CONCRETO - PILARES

Projetista: KATCZINSKI

Data: JULHO / 2024

Prancha: 04/05