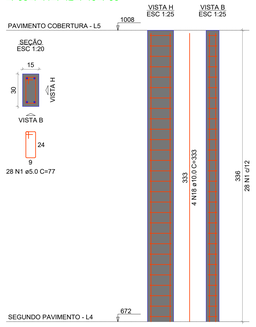
PILARES - Pavimento Cobertura - Nível 10,08

P1=P4=P5=P11=P19=P20=P31=P33=P41=P42=P43=P55



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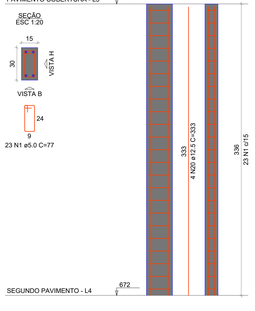

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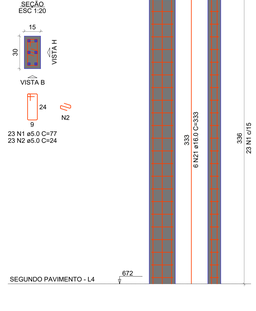

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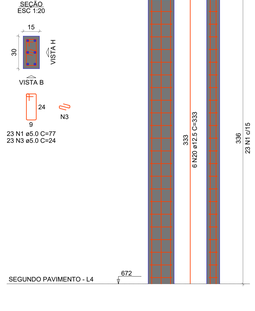

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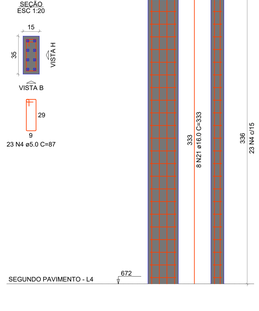

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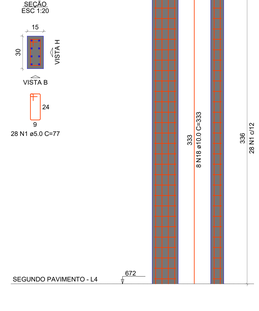

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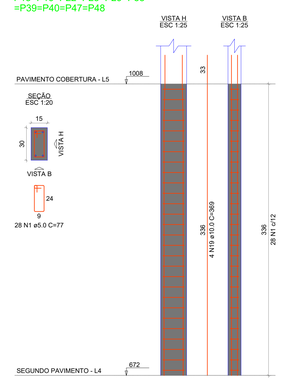

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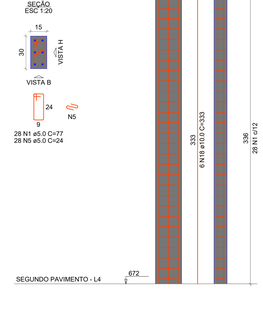

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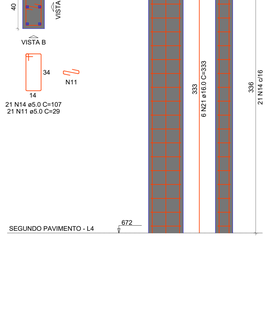

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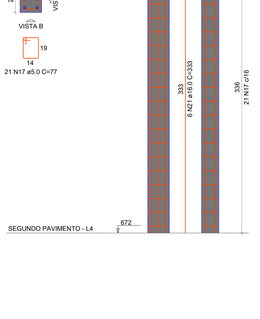

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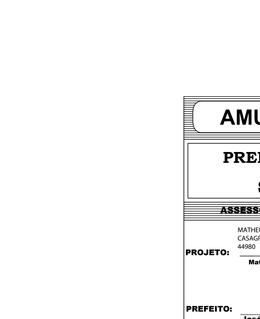
P28

P30=P46

P34

P36



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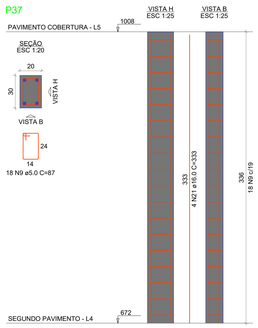

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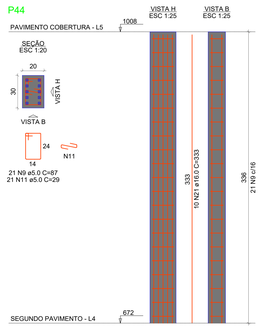

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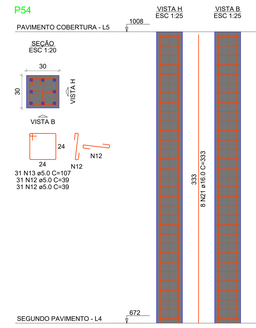

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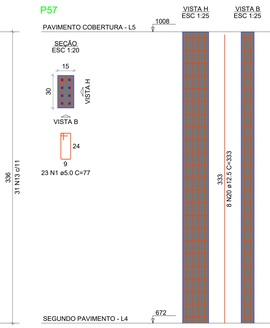

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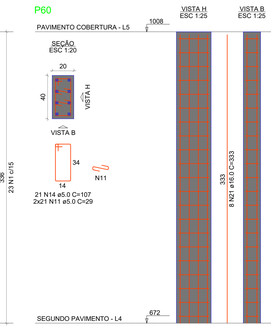

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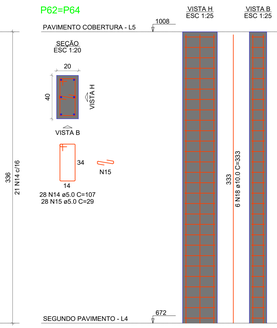

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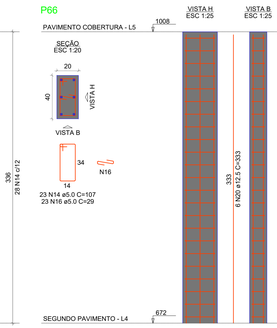

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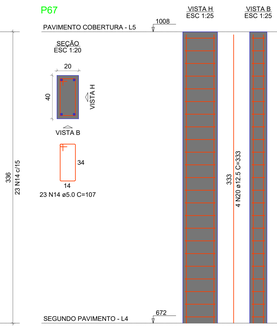

P69

P73

RELAÇÃO DO AÇO

12xP1
2xP6
10xP15
P25
P28
P36
P54
2xP62
P69

3xP2
P10
P17
P26
2xP30
P37
P57
P66
P73

2xP3
2xP14
P21
3xP27
P34
P44
P60
P67

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	360	70	25200
	2	5.0	48	54	2592
	3	5.0	48	54	2592
	4	5.0	140	64	8960
	5	5.0	41	63	2583
	6	5.0	41	63	2583
	7	5.0	20	87	1740
	8	5.0	123	87	10701
	9	5.0	93	63	5859
	11	5.0	84	29	2436
	12	5.0	56	29	1624
	13	5.0	56	29	1624
	14	5.0	23	29	667
	15	5.0	23	27	621
CA60	10	5.0	1008	27	27216
	16	5.0	144	107	15408
	17	5.0	144	29	4176
	18	10.0	92	369	33948
	19	12.5	92	333	30636
	21	16.0	92	333	30636

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	544.9	369.5
	12.5	186.5	197.6
	16.0	239.8	416.3
CA60	5.0	1337.8	226.8

PESO TOTAL (kg)	
CA50	983.4
CA60	226.8

Volume de concreto (C-30) = 9.83 m³
Área de forma = 179.16 m²

AMURES

ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO SERRANA

PREFEITURA MUNICIPAL DE SÃO JOAQUIM - SC

24/29

ASSESSORIA TÉCNICA

MATHEUS LORENZETTI CASAGRANDE:050743 44980

Assinado de forma digital por MATHEUS LORENZETTI CASAGRANDE:05074344980 Dados: 2025.10.14 08:16:51 -03'00'

PROJETO:
Matheus Lorenzetti Casagrande
Eng. Civil - CREA 165793-1

PREFEITO:
José Teodoro de Sena Amaral

OBRA :

CENTRO DE EDUCAÇÃO INFANTIL (CEI) SANTA PAULINA

Projeto Estrutural

Detalhamento dos Pilares do Pav. Cobertura - Nível 10,08

Área Total: 1828,80 m²

Localização: Rua Antônio José Alves de Sá ; Bairro: Centro ; CEP:88600-000 ; s/n°

DESENHO : Matheus Lorenzetti Casagrande

Escala: Indicada

DATA : 10/2025