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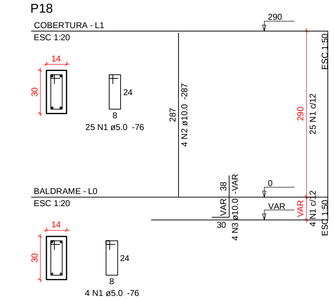

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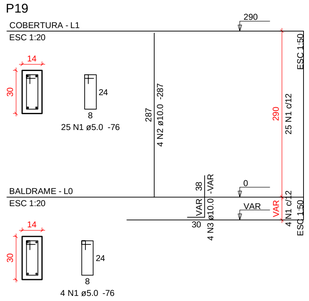

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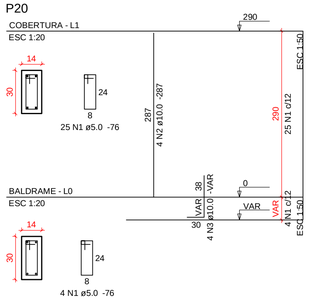

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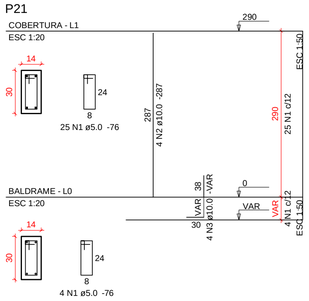

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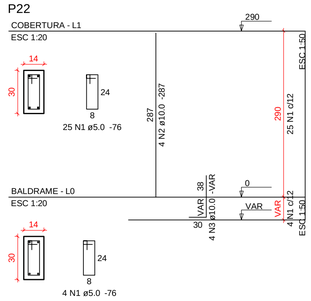


Relação do aço

Cobertura:	P18	P19
	P20	P21
	P22	P23
	P24	P25
	P26	P27
	P28	P29
	P31	P32
	P33	P34
	P35	P36
	P37	P38
baldrame:	P30	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	580	76	44080
CA50	2	10.0	80	287	22960
	3	10.0	80	VAR	VAR
	4	10.0	8	VAR	VAR
	5	12.5	6	287	1722
	6	12.5	6	94	564

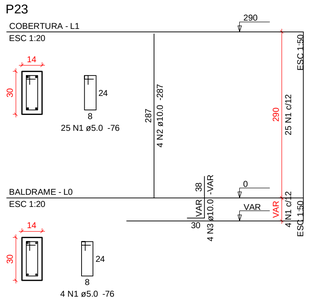
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	315.2	213.8
	12.5	22.9	24.2
CA60	5.0	440.8	74.7

PESO TOTAL (kg)	
CA50	238
CA60	74.7

Volume de concreto (C-25) = 2.79 m³
Área de forma = 58.43 m²

P23



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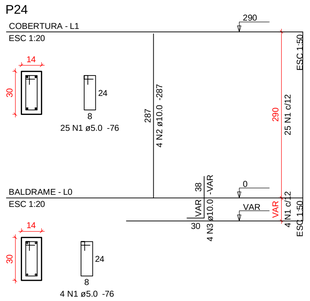

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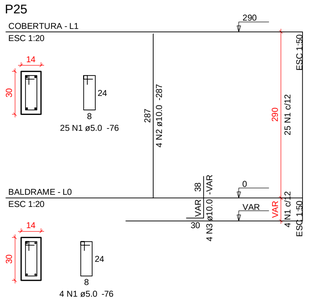

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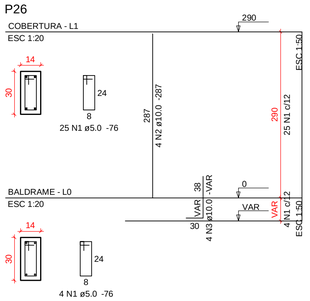

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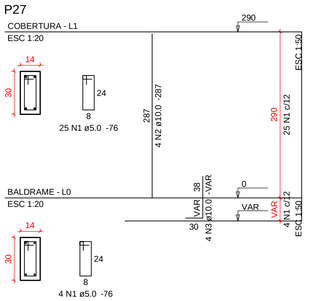

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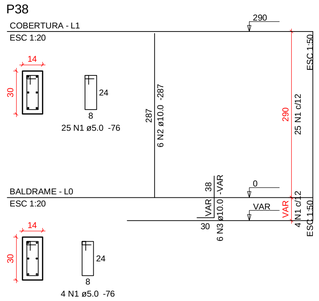
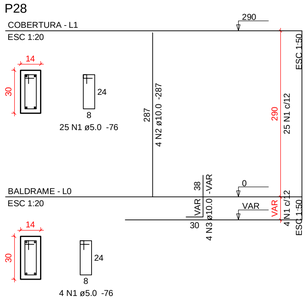


Pilares - FCK=25 MPa

P28



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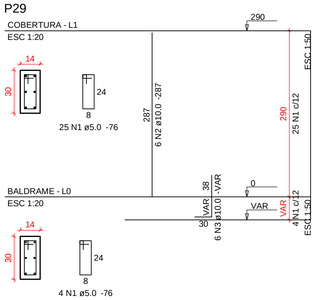

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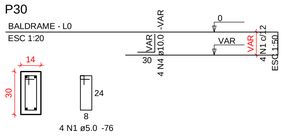

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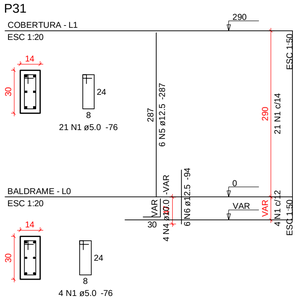

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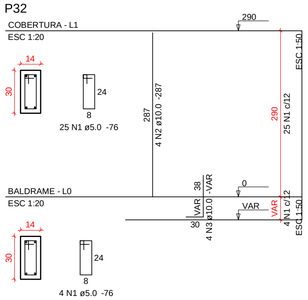

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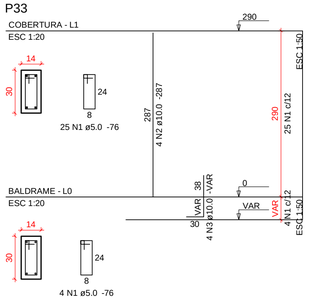

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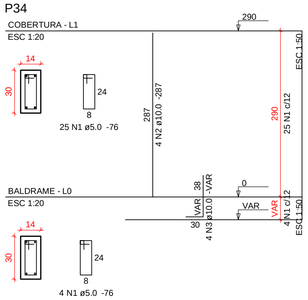

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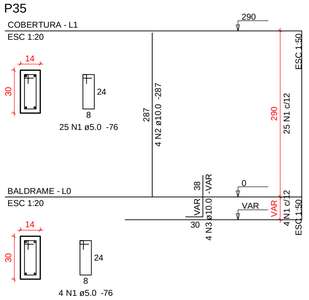

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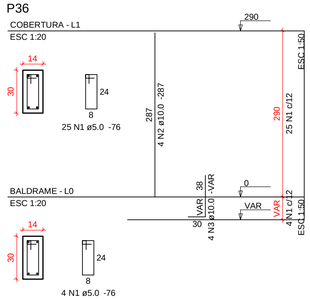

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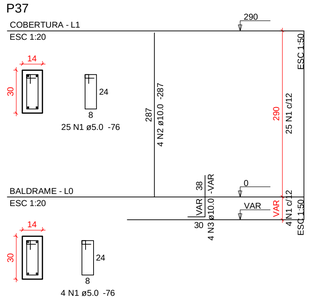

PREFEITURA MUNICIPAL DE GOIÂNIA

SEINFRA - SECRETARIA MUNICIPAL DE INFRAESTRUTURA E SERVIÇOS PÚBLICOS

DIRETORIA DE POLÍTICAS E PROGRAMAÇÃO DE OBRAS PÚBLICAS - GERÊNCIA DE ESTUDOS E PROJETOS

OBRA:

CMEI VILA SANTA HELENA
- MODIFICAÇÃO COM ACRÉSCIMO DE ÁREA E REFORMA -

LOCAL: RUA 15 C/ RUA DA DIVISA C/ RUA J - VILA SANTA HELENA - GOIÂNIA - GO

GESTOR(A) RESPONSÁVEL:
SECRETARIA MUNICIPAL DE EDUCAÇÃO - SME

AUTOR DO PROJETO:
Eng.° Civil RENATO RIBEIRO DE PAIVA - CREA/GO 7303/D
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS
- SEINFRA -

-ESTRUTURAL-

CONTEÚDO: Bloco Administrativo
- Detalhes de Pilares

PRANCHA: 2/4

ESCALA: Indicadas

QUADRO DE ÁREAS

ÁREA A SER CONTRUÍDA: 176,20m²

ARQUIVO DIGITAL:	NUM. PAV.:	DESENHO:	DATA:
CMEI - Vila Santa Helena - Estrutural - 2018	01	RENATO	Junho/ 2018

APROVAÇÃO:

DIREITOS AUTORAIS RESERVADOS, VEDADA A REPRODUÇÃO TOTAL OU PARCIAL LEI 9610 / 98.

FORMATO: 900 x 594