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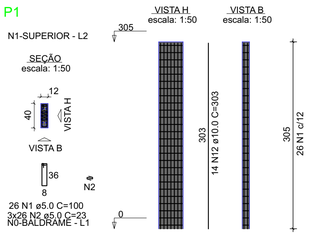

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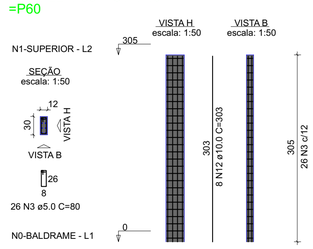

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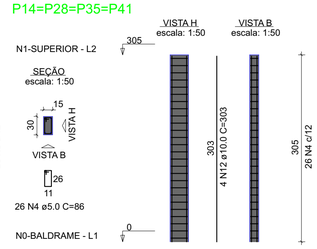

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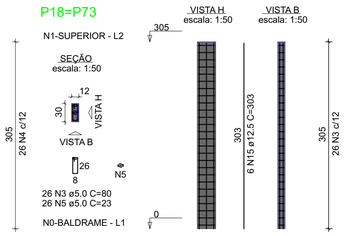

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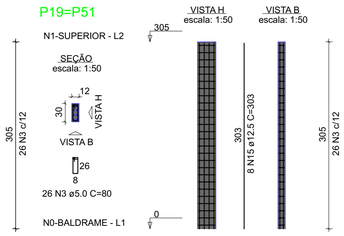

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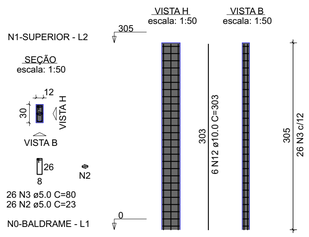

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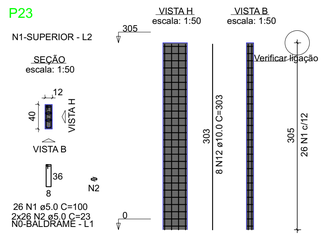

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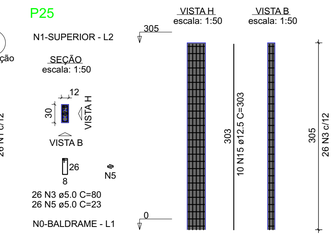

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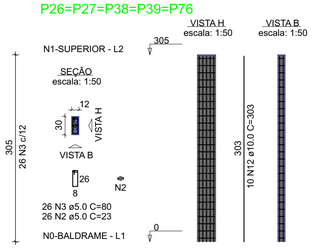

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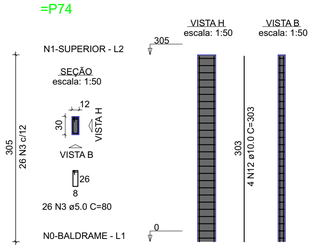

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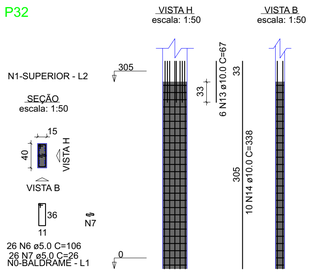

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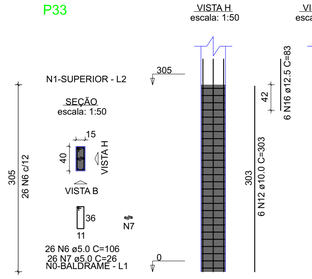

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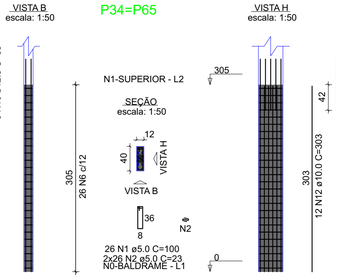

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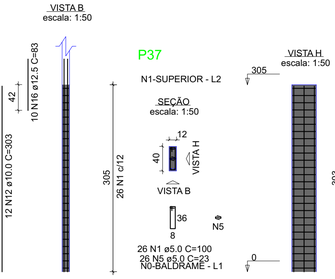

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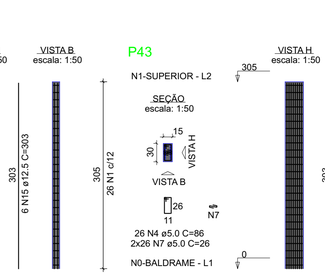

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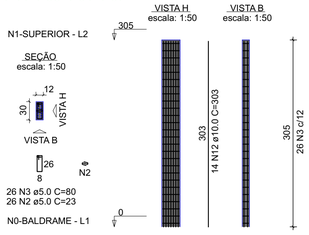

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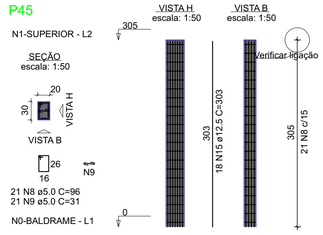

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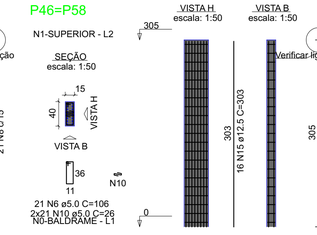

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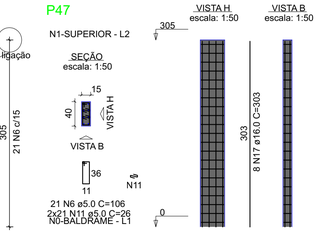

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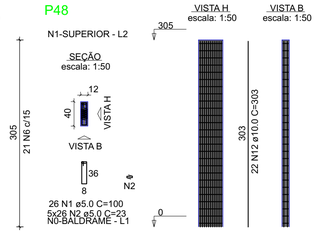

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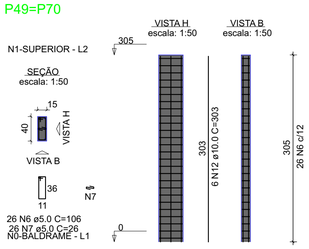

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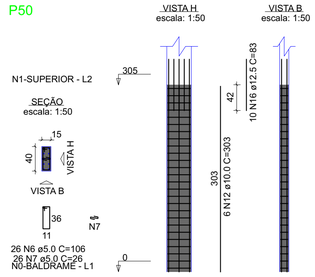

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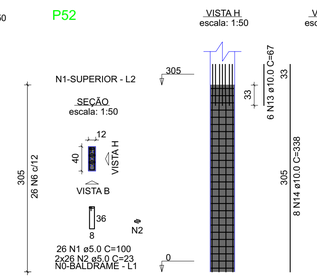

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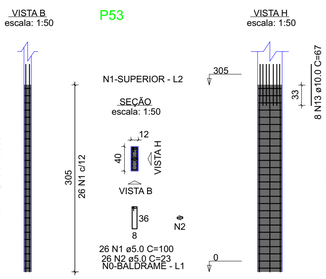

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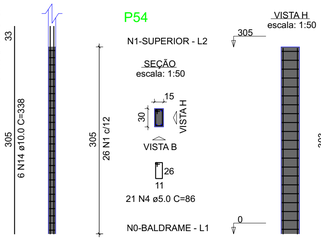

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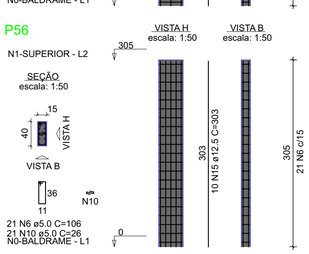

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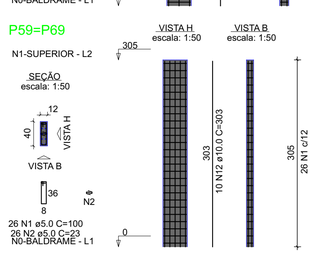

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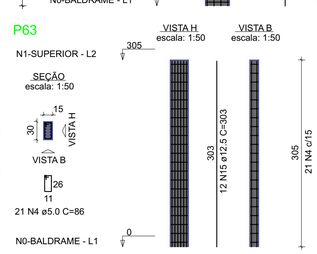

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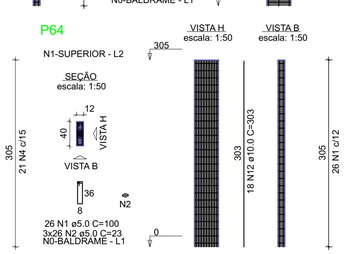

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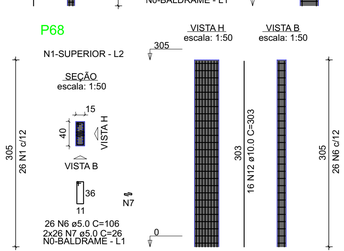

Relação do aço

P1	7xP2	6xP11
4xP14	2xP18	2xP19
P23	P25	5xP26
P32	P33	2xP34
P37	P43	4xP44
P45	2xP46	P47
P48	3xP49	P50
P52	P53	P54
P56	2xP59	P63
P64	P68	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	286	100	28600
	2	5.0	988	23	22724
	3	5.0	728	80	58240
	4	5.0	172	86	14792
	5	5.0	104	23	2392
	6	5.0	266	106	28196
	7	5.0	260	26	6760
	8	5.0	21	96	2016
	9	5.0	21	31	651
	10	5.0	105	26	2730
	11	5.0	42	26	1092
CA50	12	10.0	384	303	116352
	13	10.0	20	67	1340
	14	10.0	24	338	8112
	15	12.5	116	303	35148
	16	12.5	36	83	2988
	17	16.0	12	303	3636

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	1258.1	853.2
	12.5	381.4	404.1
	16.0	36.4	53.1
CA60	5.0	1682	285.2

PESO TOTAL (kg)	
CA50	1320.4
CA60	285.2

Volume de concreto (C-30) = 7.73 m³
Área de forma = 163.24 m²

Nº	NOME	COR	PENA
01	RED		0.10
02	YELLOW		0.20
03	GREEN		0.30
04	CYAN	PRETO	0.35
05	BLUE		0.40
06	MAGENTA		0.60
07	WHITE		0.20
08	08		0.10
09	09	COR	0.20
DEMAIS			0.10

Desenhos

REVISÕES

NÚMERO	COMENTÁRIOS	DATA	AUTOR

PROJETARE® engenharia

Marca Registrada - Todos os direitos reservados [INPI nº 907067611]

CLIENTE/CONTRATANTE:

PREFEITURA MUNICIPAL DE FRANCISCO BELTRÃO

TÍTULO/EMPREENDIMENTO:

REFORMA E AMPLIAÇÃO - UNIDADE DE SAÚDE PE. ULRICO

TIPO DE OBRA/SERVIÇO:

REFORMA E AMPLIAÇÃO

ENDEREÇO:

RUA PEDRO F. DE BACKER, SN - PE. ULRICO

DIMENSÕES DA FOLHA:	CONTRATO:	CÓDIGO:	ÁREA DO PROJETO:
841x594mm			Área existente: 325,23 m² Área ampliar: 459,65 m²
ESCALA DE PLOTAGEM:	**DATA:**	**DESENHO:**	**ART:**
INDICADA	28/06/2019	Gabriel	

PAVIMENTO:

DISCIPLINA: ESTRUTURAL

CONTEÚDO DA PRANCHA:

DETALHAMENTO ESTRUTURAL - PILARES

PROJETARE ENGENHARIA LTDA
CREA PR-43586 / CAU 37134-3
Avenida Florianópolis, 530 - salla 41 - Alvorada
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SERGIO V. GALVÃO JUNIOR
ENG. CIVIL - CREA PR-74520/D
RESP. TÉCNICO COORDENAÇÃO

GABRIEL ANDRE CHIOSSI
ENG. CIVIL - CREA PR-175760/D
RESP. TÉCNICO PROJETO

CONJUNTO: 1/5

PRANCHA: 12/26

desenho gerado no QiBuilder2018

1. O contrato para elaboração de um projeto não implica a obrigação de executá-lo, ou de fiscalizar-lhe a execução. [Lei 10.406/02 Cap. VIII Art. 610 §2º]
2. Os direitos de autoria de um projeto, respeitadas as relações contratuais, são do profissional que os elabora. [Lei 5.194/66 Cap. II Art. 17]