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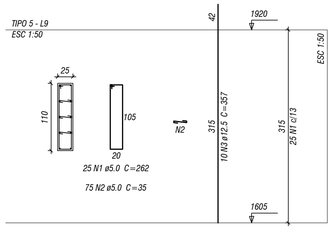

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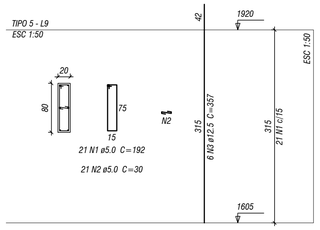

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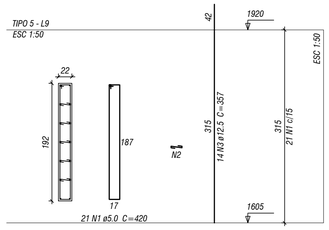

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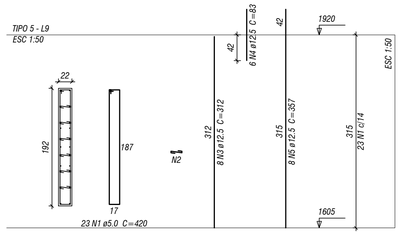

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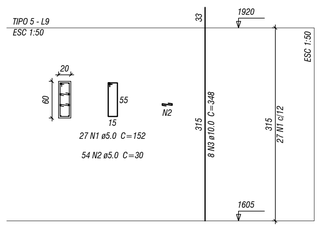

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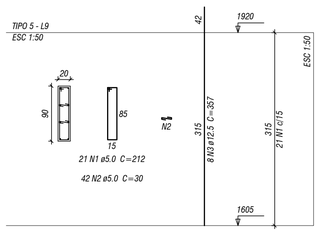

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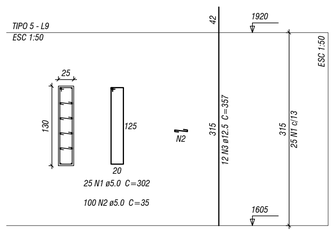

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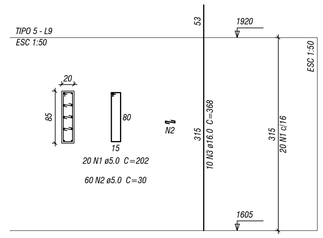

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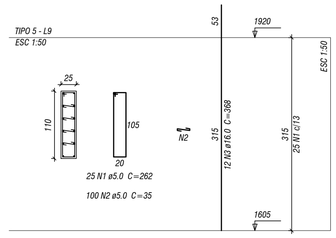

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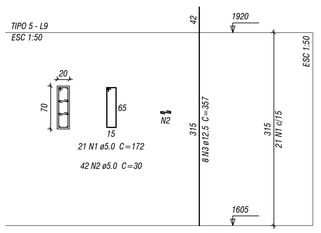

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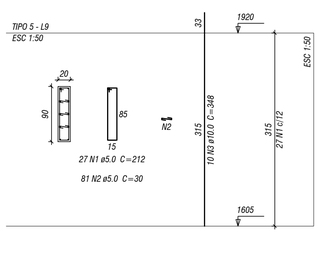

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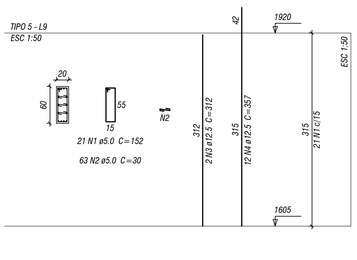

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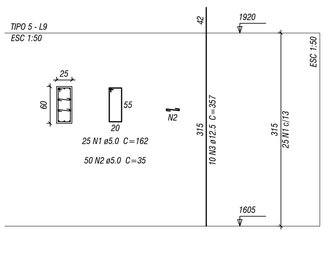

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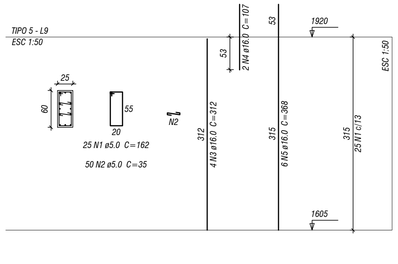

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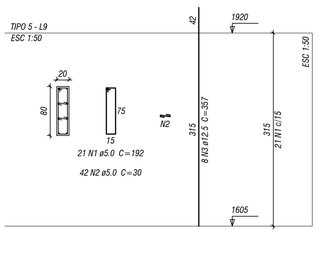

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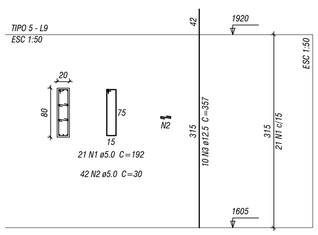

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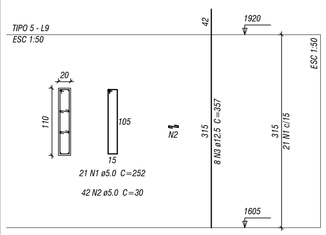

Relação do aço

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
2xP4	C460	1	5.0	50	262	13100
	C460	2	5.0	200	35	7000
	C450	3	16.0	24	368	8832
P8	C460	1	5.0	21	252	5292
	C460	2	5.0	42	30	1260
	C450	3	12.5	8	357	2856
4xP11	C460	1	5.0	100	262	26200
	C460	2	5.0	300	35	10500
	C450	3	12.5	40	357	14280
3xP12	C460	1	5.0	63	192	12096
	C460	2	5.0	63	30	1890
	C450	3	12.5	18	357	6426
P13	C460	1	5.0	21	420	8820
	C460	2	5.0	105	32	3360
	C450	3	12.5	14	357	4998
P17	C460	1	5.0	23	420	9660
	C460	2	5.0	138	32	4416
	C450	3	12.5	8	312	2496
	C450	4	12.5	6	83	498
	C450	5	12.5	8	357	2856
P19	C460	1	5.0	27	152	4104
	C460	2	5.0	54	30	1620
	C450	3	10.0	8	348	2784
P21	C460	1	5.0	21	212	4452
	C460	2	5.0	42	30	1260
	C450	3	12.5	8	357	2856
2xP26	C460	1	5.0	50	302	15100
	C460	2	5.0	200	35	7000
	C450	3	12.5	24	357	8568
P37	C460	1	5.0	20	202	4040
	C460	2	5.0	60	30	1800
	C450	3	16.0	10	368	3680
P41	C460	1	5.0	21	172	3612
	C460	2	5.0	42	30	1260
	C450	3	12.5	8	357	2856
P44	C460	1	5.0	27	212	5724
	C460	2	5.0	81	30	2430
	C450	3	10.0	10	348	3480
P45	C460	1	5.0	21	152	3192
	C460	2	5.0	63	30	1890
	C450	3	12.5	2	312	624
	C450	4	12.5	12	357	4284
P46	C460	1	5.0	25	162	4050
	C460	2	5.0	50	35	1750
	C450	3	12.5	10	357	3570
P47	C460	1	5.0	25	162	4050
	C460	2	5.0	50	35	1750
	C450	3	16.0	4	312	1248
	C450	4	16.0	2	107	214
	C450	5	16.0	6	368	2208
P48	C460	1	5.0	21	192	4032
	C460	2	5.0	42	30	1260
	C450	3	12.5	8	357	2856
P49	C460	1	5.0	21	192	4032
	C460	2	5.0	42	30	1260
	C450	3	12.5	10	357	3570

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
C450	10.0	62.7	38.6
	12.5	636	612.6
	16.0	161.9	255.4
C460	5.0	1632.7	282.5
PESO TOTAL			
C450	906.7		
C460	282.5		

Vol. de concreto total (C-30) = 16.93 m³
Área de forma total = 184.15 m²

CA-50										
1 (red)	6.3	0.25	6.08							
2 (vertical)	7	0.22	1.5	0.10	0.10	0.10	0.10	0.10	0.10	0.10
3 (grampo)	7	0.22	1.41	0.10	0.10	0.10	0.10	0.10	0.10	0.10
4 (corr)	7	0.50	1.51	0.60	0.60	0.60	0.60	0.60	0.60	0.60
5 (corr)	7	0.50	1.61	0.62	0.62	0.62	0.62	0.62	0.62	0.62
6 (montagem)	7	0.40	0.40	demais	demais	demais	demais	demais	demais	demais
7 (estrib)	7	0.22								

PEÇAS PARA PLOTAGEM

CONTROLE DAS REVISÕES:

REVISÃO	DATA	DESCRIÇÃO

ENGENHARIA
Engenharia de Estruturas e Engenharia de Segurança do Trabalho
Excelência em Projetos Estruturais de Concreto Armado, Protendido, Pré-Moldado, Estruturas Metálicas e Alvenaria Estrutural
Avenida Pingüim, N° 304 | Sala 01 | Gleba Ribeirão Pingüim | Maringá - Paraná | CEP: 87065-675
Fone/Fax: (44) 3026-8993 - e-mail: yk@ykengenharia.com.br - Visite nosso site! http://www.ykengenharia.com.br

PROJETO:

ESTRUTURAL EM CONCRETO ARMADO

CLIENTE:

RODRIGO KOJO

OBRA:

Para Construção de Uma Edificação Residencial Coletiva - Edifício Jardins de France

LOCAL:

Rua Francisco Glicério, nº 1.033 - Zona 07 - Maringá - Paraná

REFERÊNCIA(s):
Detalhes dos Pilares do Tipo 4
<>
<>

REVISÃO: **R-00**

PRANCHA: **41 / 68**

RESPONSÁVEL TÉCNICO:
Eng° Esp Yutaka Mario Kobayashi Júnior
CREA PR-89.748/D

DATA CRIAÇÃO: 09/04/2013

DATA DA REVISÃO: N/C

ART N°: 20122498064

PROJETO N°: P-181

ESCALAS: INDICADAS