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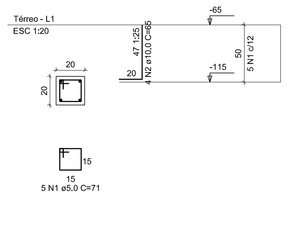

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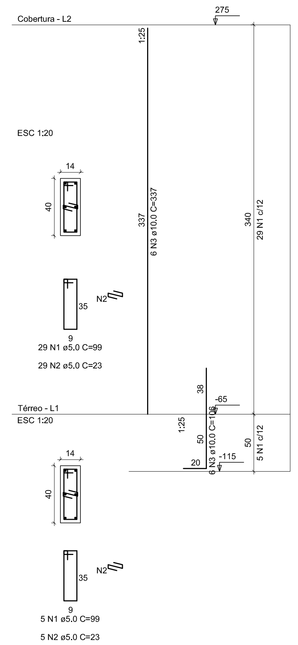

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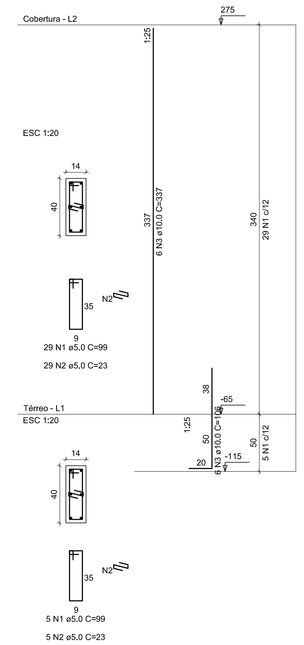

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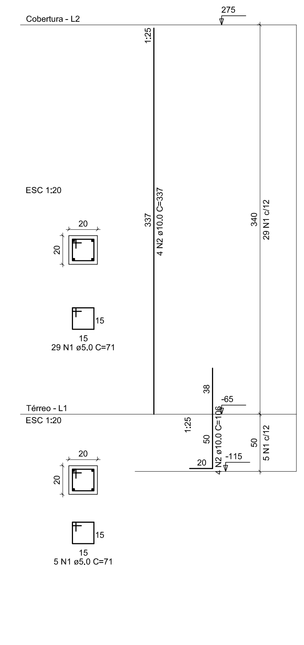

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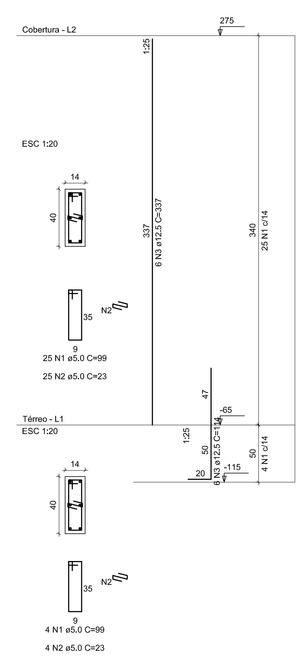

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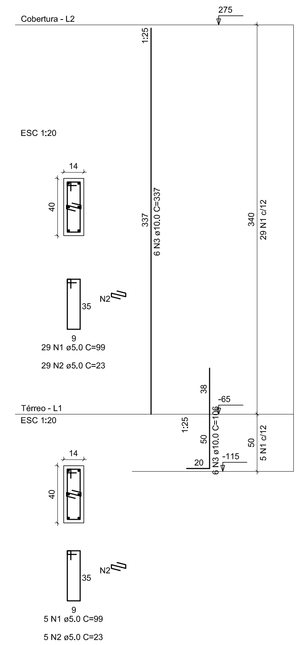

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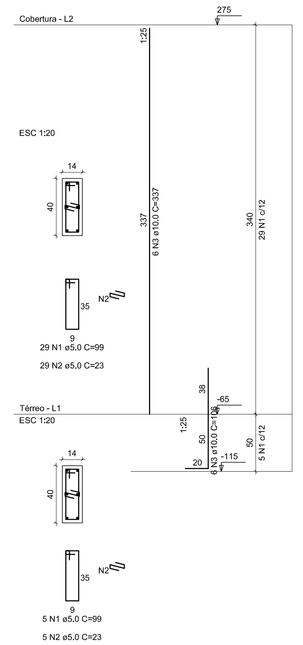

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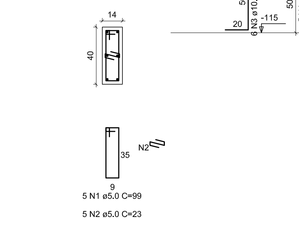

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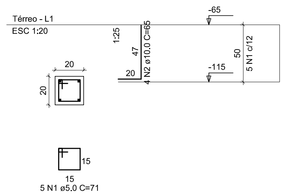

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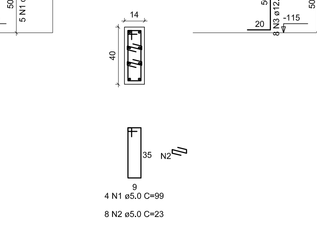

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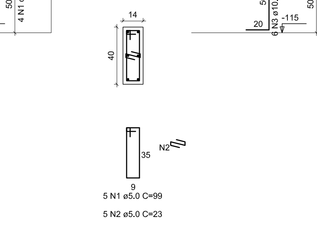

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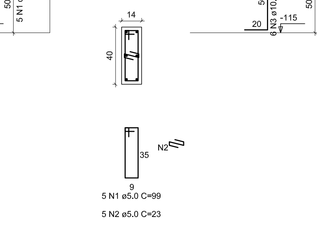

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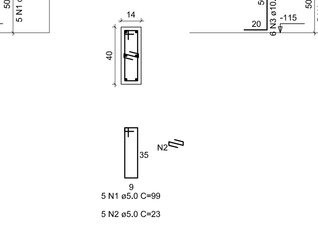

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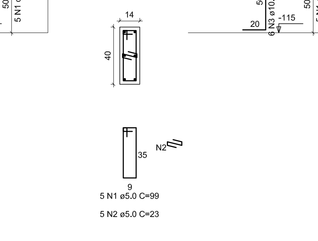

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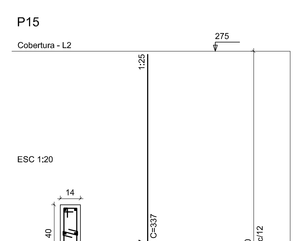

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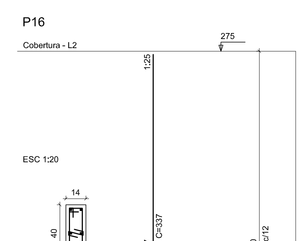

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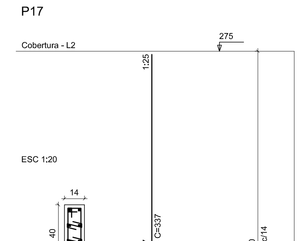

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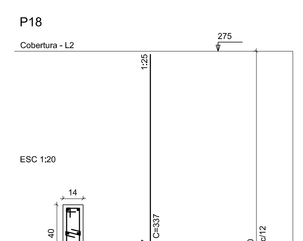

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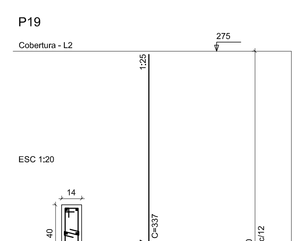

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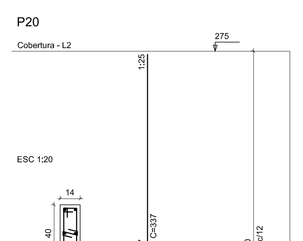

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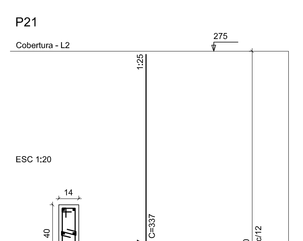

ESCALA DE PLOTAGEM 1:0,1

CODCOR	PENA	ESP
1	7	0,10
2	7	0,20
3	7	0,30
4	7	0,35
5	7	0,40
6	7	0,60
7	7	0,15
8	7	0,25
9	7	0,20
10	7	0,10
11	252	0,20
22	7	0,25
33	7	0,10
40	7	0,05
51	7	0,25
61	7	0,30
61	252	0,20
62	7	0,20
63	7	0,25
130	7	0,15
151	7	0,15
154	7	0,15
165	7	0,25
182	7	0,25

RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
P2-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
P3-L2	50	3	10,0	6	337	2022
	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
P4-L2	50	3	10,0	6	337	2022
	60	1	5,0	29	71	2059
P5-L2	50	3	12,5	9	337	3034
	60	1	5,0	25	99	2475
	60	2	5,0	25	23	575
	50	3	12,5	6	337	2022
P6-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
P7-L2	50	3	10,0	6	337	2022
	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
P8-L2	50	3	10,0	6	337	2022
	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
P10-L2	50	3	10,0	6	337	2022
	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
P11-L2	60	1	5,0	25	99	2475
	60	2	5,0	25	23	575
	50	3	12,5	9	337	3034
P12-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P13-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P14-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P15-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P16-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P17-L2	60	1	5,0	25	99	2475
	60	2	5,0	25	23	1150
	50	3	12,5	8	337	2696
P18-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P19-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P20-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P21-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P1-L1	60	1	5,0	5	99	495
	50	2	10,0	4	65	260
P2-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P3-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P4-L1	60	1	5,0	5	71	355
	50	2	10,0	4	106	424
P5-L1	60	1	5,0	4	99	396
	60	2	5,0	4	23	92
	50	3	12,5	6	114	684
P6-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
P7-L1	50	3	10,0	6	106	636
	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
P8-L1	50	3	10,0	6	106	636
	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
P9-L1	50	3	10,0	6	106	636
	60	1	5,0	5	71	355
P10-L1	50	2	10,0	4	65	260
	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P11-L1	60	1	5,0	4	99	396
	60	2	5,0	8	23	184
	50	3	12,5	8	114	912
P12-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
P13-L1	50	3	10,0	6	106	636
	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
P14-L1	50	3	10,0	6	106	636
	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
P15-L1	50	3	10,0	6	106	636
	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
P16-L1	50	3	10,0	6	106	636
	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
P17-L1	50	3	10,0	6	106	636
	65	1	5,0	4	99	396
	60	2	5,0	8	23	184
P18-L1	50	3	12,5	8	114	912
	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
P19-L1	50	3	10,0	6	106	636
	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
P20-L1	50	3	10,0	6	106	636
	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
P21-L1	50	3	10,0	6	106	636

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	10,0	421,3	285,8
	12,5	99,3	105,2
CA60	5,0	772,8	130,9
PESO TOTAL			
CA50	391,1		
CA60	130,9		

Vol. de concreto total =4,13 m³
Área de forma total = 79,74 m²

NOTAS – PROJETO DE ESTRUTURAS/FUNDAÇÕES

01 - QUALQUER MODIFICAÇÃO DO PROJETO DEVE SER FEITA MEDIANTE AVALIAÇÃO DOS AUTORES DO PROJETO;

02 - TODOS AS DIMENSÕES EM cm, SALVO REFERÊNCIA EM PLANTA;

03 - CONCRETO Fck=25 MPa PARA BLOCOS DE COROAMENTO, VIGAS, PILARES E LAJES;

04 - Fck = 20 MPa PARA AS FUNDAÇÕES;

05 - DEVE-SE FAZER CONTROLE TECNOLÓGICO DO CONCRETO UTILIZADO;

06 - RECOBRIMENTO DAS ARMADURAS:
PILARES = 2,5cm
VIGAS = 2,5cm
LAJES = 2,0cm
BLOCOS = 3 cm
ESTACAS = 4 cm

07 - AÇOS: CA-50 e CA-60;

08 - JUNTA DE DILATAÇÃO PREENCHIDA COM SELANTE À BASE DE POLIURETANO EXPANSÍVEL

Ministério da Educação

FNDE Fundo Nacional de Desenvolvimento da Educação

PROINFÂNCIA – ESPAÇO EDUCATIVO INFANTIL

ENDEREÇO:

MUNICÍPIO – UF:

PROPRIETÁRIO: FUNDO NACIONAL DE DESENVOLVIMENTO DA EDUCAÇÃO - FNDE

AUTORES DO PROJETO : RICARDO FIUZA LIMA - CREA:12.848/D-DF
GLAUCYD DE OLIVEIRA SANTOS - CREA:81.887/D-MG

RESPONSÁVEL TÉCNICO:

PROPRIETÁRIO

AUTOR DO PROJETO — CREA-AP-1-CREA/XX

AUTOR DO PROJETO — CREA-AP-2-CREA/XX

RESP. TÉCNICO — CREA

DLFO

CREA

RA

PROJETO TIPO B

PROJETO ESTRUTURAL

COORDENAÇÃO
COEST - Coordenação Geral de Infra-estrutura

PILARES - PRANCHA 1

ES

DESENHO

REVISÃO R.01 JUL/2008

ESCALA INDICADA

DATA EMISSÃO 13/03/2008

PRANCHA 16/28