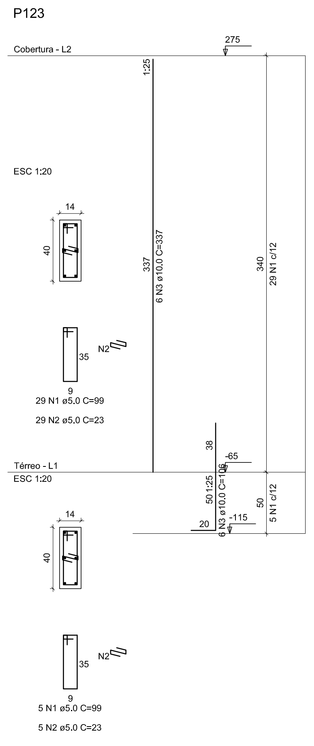

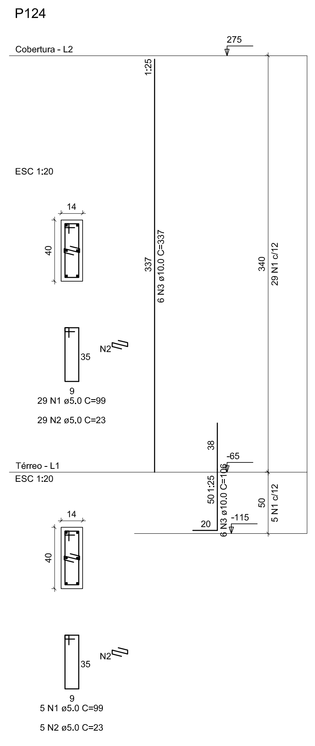

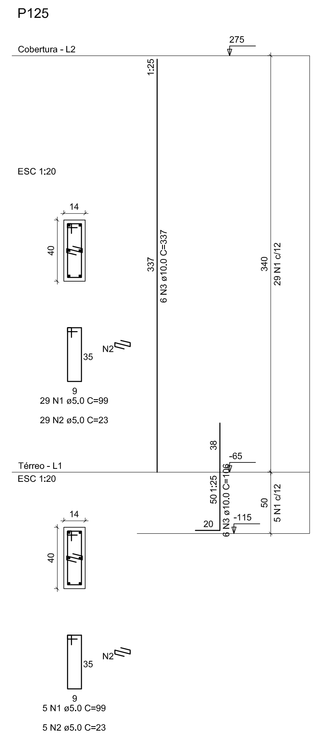

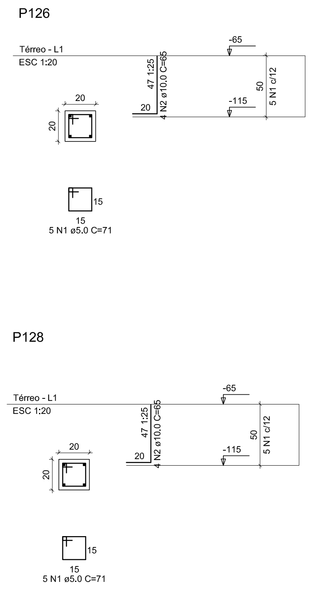

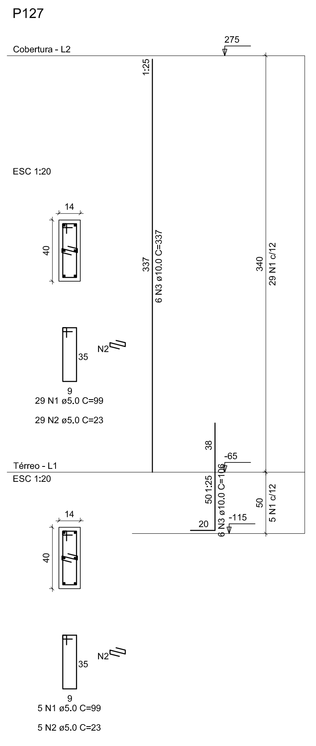

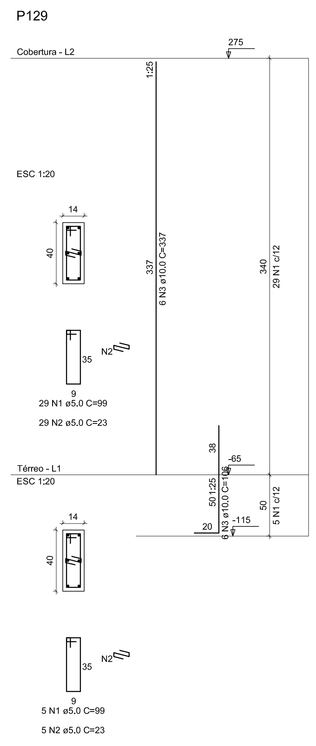

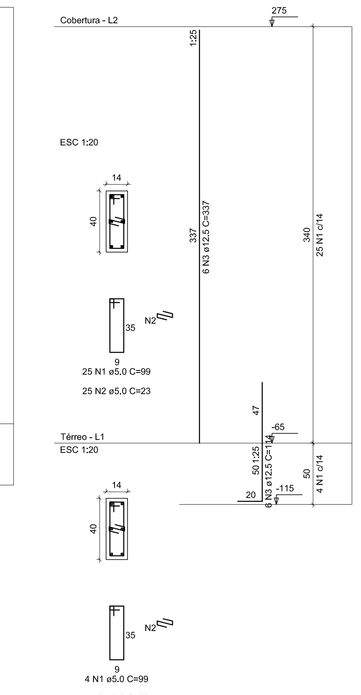

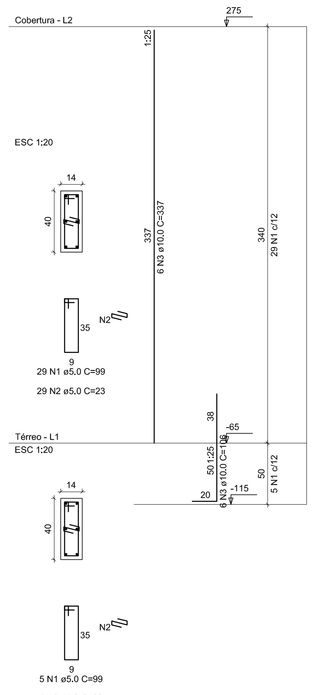

RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
P123-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P124-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P125-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P127-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P129-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P130-L2	60	1	5,0	25	99	2475
	60	2	5,0	25	23	575
	50	3	12,5	6	337	2022
P131-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P132-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P133-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P134-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P135-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P136-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P137-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P138-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P139-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P140-L2	60	1	5,0	29	79	2291
	50	2	10,0	4	337	1348
P141-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P142-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P143-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P144-L2	60	1	5,0	29	99	2871
	60	2	5,0	29	23	667
	50	3	10,0	6	337	2022
P145-L2	60	1	5,0	25	99	2475
	60	2	5,0	50	23	1150
	50	3	12,5	8	337	2696
P123-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P124-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P125-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P126-L1	60	1	5,0	5	71	355
	50	2	10,0	4	65	260
P127-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P128-L1	60	1	5,0	5	71	355
	50	2	10,0	4	65	260
P129-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P130-L1	60	1	5,0	4	99	396
	60	2	5,0	4	23	92
	50	3	12,5	6	114	684
P131-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P132-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P133-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P134-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P135-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P136-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P137-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P138-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P139-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P140-L1	60	1	5,0	5	79	395
	50	2	10,0	4	106	424
P141-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P142-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P143-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
P144-L1	60	1	5,0	4	99	396
	60	2	5,0	4	23	92
	50	3	12,5	6	114	684
P145-L1	60	1	5,0	5	99	495
	60	2	5,0	5	23	115
	50	3	10,0	6	106	636
	60	1	5,0	4	99	396
	60	2	5,0	4	23	184
	50	3	12,5	8	114	912

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	10,0	501,0	339,9
	12,5	63,2	67,0
CA60	5,0	858,1	145,3
PESO TOTAL			
CA50	406,8		
CA60	145,3		

Vol. de concreto total =4,57 m³
Área de forma total = 88,47 m²

ESCALA DE PLOTAGEM 150:1

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,	9	0,20
9,	9	0,20
10,	252	0,20
11,	252	0,20
22,	7	0,25
31,	7	0,10
42,	7	0,25
51,	7	0,25
52,	7	0,25
61,	252	0,20
62,	7	0,20
63,	7	0,20
153,	7	0,15
151,	7	0,15
154,	7	0,15
156,	7	0,25
162,	7	0,25

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 CORDAMENTO, 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

BRASIL PAÍS RICO É PAÍS SEM POBREZA
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 FUZA LIMA - CREA:12.848/D-DF
GLAUCYO DE OLIVEIRA SANTOS - CREA:81.887/D-MG

RESPONSÁVEL TÉCNICO:

PROPRIETÁRIO

AUTOR DO PROJETO — CREA-AP-1-CREAXX

AUTOR DO PROJETO — CREA-AP-2-CREAXX

RESP. TÉCNICO — CREA

DLFO

CREA

RA

PROJETO TIPO B

PROJETO ESTRUTURAL

COORDENAÇÃO
COEST - Coordenação Geral de Infra-estrutura

PILARES - PRANCHA 7

ES

REVISÃO R.01 JUL/2008

ESCALA INDICADA

DATA EMISSÃO 13/03/2008

PRANCHA 22/28

DESENHO