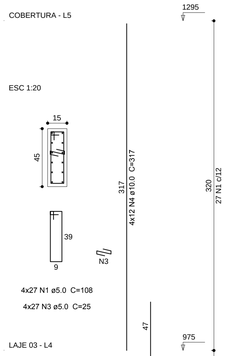
P4=P4A=P32=P32A(04)

COBERTURA - L5

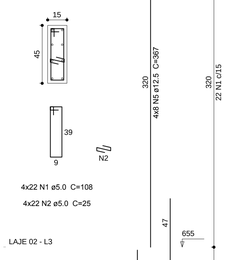


ESC 1:20

4x27 N1 ø5.0 C=108

4x27 N3 ø5.0 C=25

LAJE 03 - L4

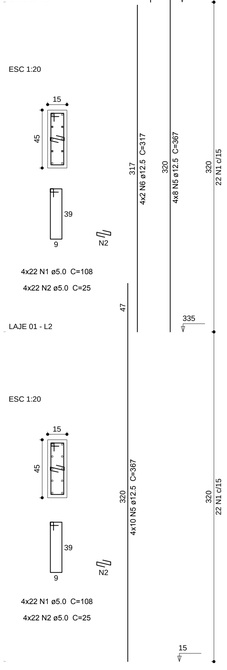


ESC 1:20

4x22 N1 ø5.0 C=108

4x22 N2 ø5.0 C=25

LAJE 02 - L3

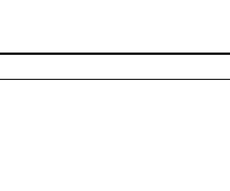


ESC 1:20

6x22 N1 ø5.0 C=108

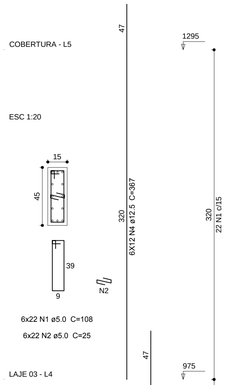
6x44 N2 ø5.0 C=25

LAJE 01 - L2



P5=P6=P12=P13=P22=P23(06)-CAIXA DAGUA

COBERTURA - L5

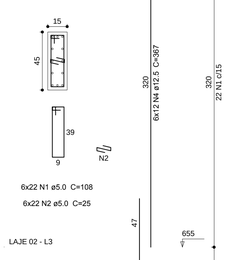


ESC 1:20

6x22 N1 ø5.0 C=108

6x22 N2 ø5.0 C=25

LAJE 03 - L4

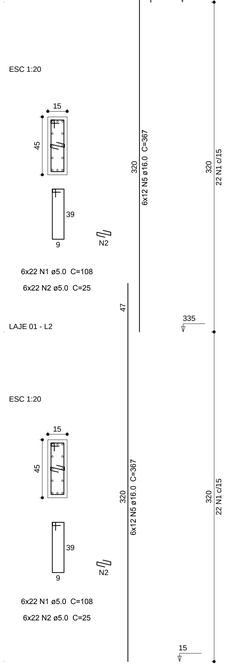


ESC 1:20

6x22 N1 ø5.0 C=108

6x22 N2 ø5.0 C=25

LAJE 02 - L3

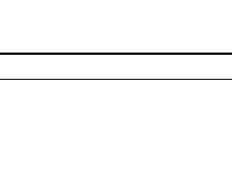


ESC 1:20

6x22 N1 ø5.0 C=108

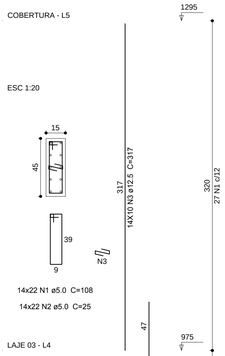
6x22 N2 ø5.0 C=25

LAJE 01 - L2



P7=P8=P9=P14=P15=P16=P24=P25 P26=P33=P34=P35=P36=P37(14)

COBERTURA - L5

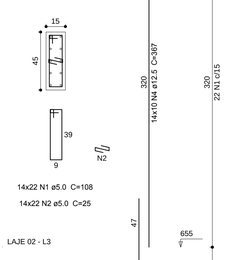


ESC 1:20

14x22 N1 ø5.0 C=108

14x22 N2 ø5.0 C=25

LAJE 03 - L4

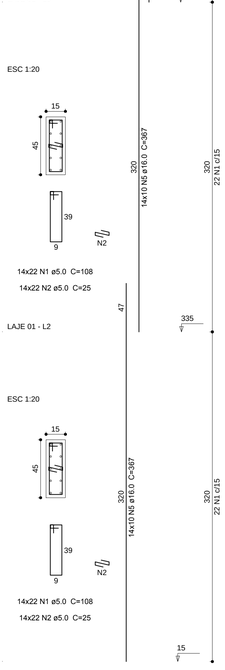


ESC 1:20

14x22 N1 ø5.0 C=108

14x22 N2 ø5.0 C=25

LAJE 02 - L3

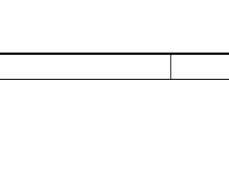


ESC 1:20

14x22 N1 ø5.0 C=108

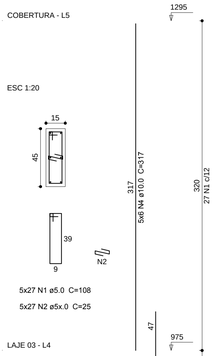
14x22 N2 ø5.0 C=25

LAJE 01 - L2



P10=P17=P18=P27=P28(05)

COBERTURA - L5

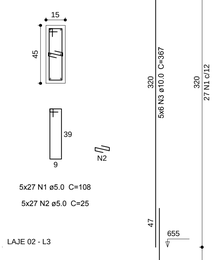


ESC 1:20

5x27 N1 ø5.0 C=108

5x27 N2 ø5x.0 C=25

LAJE 03 - L4

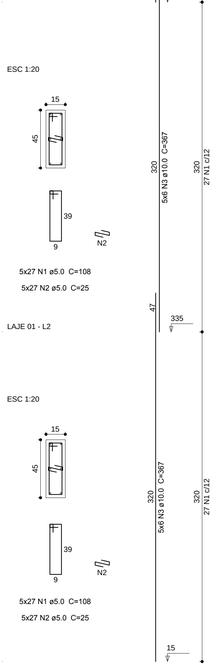


ESC 1:20

5x27 N1 ø5.0 C=108

5x27 N2 ø5.0 C=25

LAJE 02 - L3

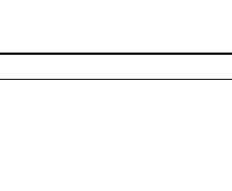


ESC 1:20

5x27 N1 ø5.0 C=108

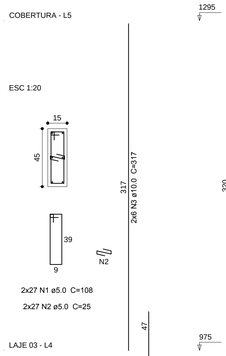
5x27 N2 ø5.0 C=25

LAJE 01 - L2



P11=P21(02)

COBERTURA - L5

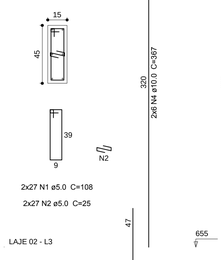


ESC 1:20

2x27 N1 ø5.0 C=108

2x27 N2 ø5.0 C=25

LAJE 03 - L4

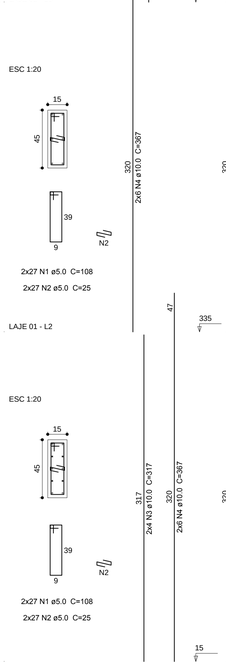


ESC 1:20

2x27 N1 ø5.0 C=108

2x27 N2 ø5.0 C=25

LAJE 02 - L3

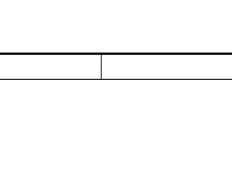


ESC 1:20

2x27 N1 ø5.0 C=108

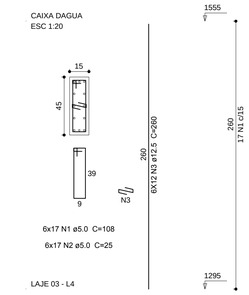
2x27 N2 ø5.0 C=25

LAJE 01 - L2



P5=P6=P12=P13=P22=P23(06)-CAIXA DAGUA

CAIXA DAGUA
ESC 1:20



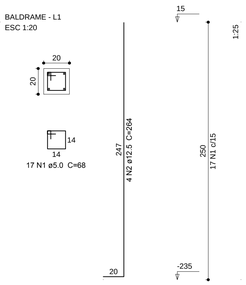
6x17 N1 ø5.0 C=108

6x17 N2 ø5.0 C=25

LAJE 03 - L4

P19=P20(02)

BALDRAME - L1
ESC 1:20



17 N1 ø5.0 C=68

Relação do aço-pilares

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
P1x6	CA60	1	5.0	264	108	29568
	CA60	2	5.0	528	25	13200
	CA50	3	12.5	60	367	22020
	CA50	4	12.5	60	317	19020
P4x2	CA60	1	5.0	372	108	41664
	CA60	2	5.0	264	25	6600
	CA60	3	5.0	108	25	2700
	CA50	4	10.0	48	317	15216
	CA50	5	12.5	104	367	38168
	CA50	6	12.5	8	317	2536
P5x6	CA60	1	5.0	630	108	70560
	CA60	2	5.0	630	25	15750
	CA50	3	12.5	72	260	18720
	CA50	4	12.5	144	367	52848
	CA50	5	16.0	144	367	52848
P7x14	CA60	1	5.0	1232	108	137984
	CA60	2	5.0	1232	25	30800
	CA50	3	12.5	140	317	44380
	CA50	4	12.5	140	367	51380
	CA50	5	16.0	280	367	102760
P10x5	CA60	1	5.0	540	108	60480
	CA60	2	5.0	540	25	13500
	CA50	3	10.0	90	367	33030
	CA50	4	10.0	30	317	9510
P11x2	CA60	1	5.0	216	108	24192
	CA60	2	5.0	216	25	5400
	CA50	3	10.0	20	317	6340
	CA50	4	10.0	36	367	13212
P19x2	CA60	1	5.0	34	68	2312
	CA50	2	12.5	8	264	2112

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	773.0	525.0
	12.5	2475.8	2723.4
	16.0	1556.1	2773.0
CA60	5.0	4547.0	770.3
PESO TOTAL			
CA50	6021.4		
CA60	770.3		

Vol. de concreto total (C-25) = 30.70 m³
Área de forma total = 546.40 m²

CARIMBOS:

ALTERAÇÕES:

COMPOR
Engenharia & Automação

CHEFE DE PROJETOS: AUGUSTO CÉSAR SIQUEIRA
ARQUITETO - CREA Nº 160876811-2

AUTOR: MOZART EDSON LOPES GUIMARÃES
ENG. CIVIL - CREA 160782747-6

RESPONSÁVEL PELA OBRA

UNIVERSIDADE FEDERAL DO RIO GRANDE DO NORTE
Superintendência de Infra-estrutura

CHEFE DE PROJETOS: ARQUITETO AUGUSTO CÉSAR SIQUEIRA — CREA Nº 160876811-2

AUTOR DO PROJETO: MOZART EDSON LOPES GUIMARÃES — CREA Nº 160782747-6

PROJETO: **ESTRUTURAL (SUPER) - PROJETO EXECUTIVO**

LOCAL: UFRN - CAMPUS CENTRAL
SETOR DE AULAS II - CENTRO DE CIÊNCIAS HUMANAS, LETRAS E ARTES (CCHLA)

OBRA: **ÁGORA - INSTITUTO DE LÍNGUAS, LITERATURA E CULTURAS MODERNAS**

ASSUNTO: STR - PILARES - FORMA E FERRAGEM PILARES

ÁREA CONSTRUÍDA ATUAL	ÁREA REFORMADA	ÁREA AMPLIADA	ÁREA CONSTRUÍDA TOTAL
-	-	-	2.159,83 m²

ARQUIVO: -

PROCESSO SIPAC Nº	REQUISIÇÃO SIPAC Nº	ART Nº	PRANCHA Nº
-	-	-	**26/29**

DATA	ESCALA(S)	DIGITALIZAÇÃO
MARÇO/2012	INDICADA	EDSON GUIMARÃES

OBSERVAÇÕES:
DÚVIDAS SOBRE O PROJETO: CONTATE O(A) ARQUITETO(A) - UFRN/SIN - TEL.: 3215 3162

DIREITOS AUTORAIS RESERVADOS - PROIBIDA QUALQUER MODIFICAÇÃO OU REPRODUÇÃO NO TODO OU EM PARTE, SEM PRÉVIO CONSENTIMENTO DO AUTOR, DE ACORDO COM A LEI FEDERAL 9.610/98.