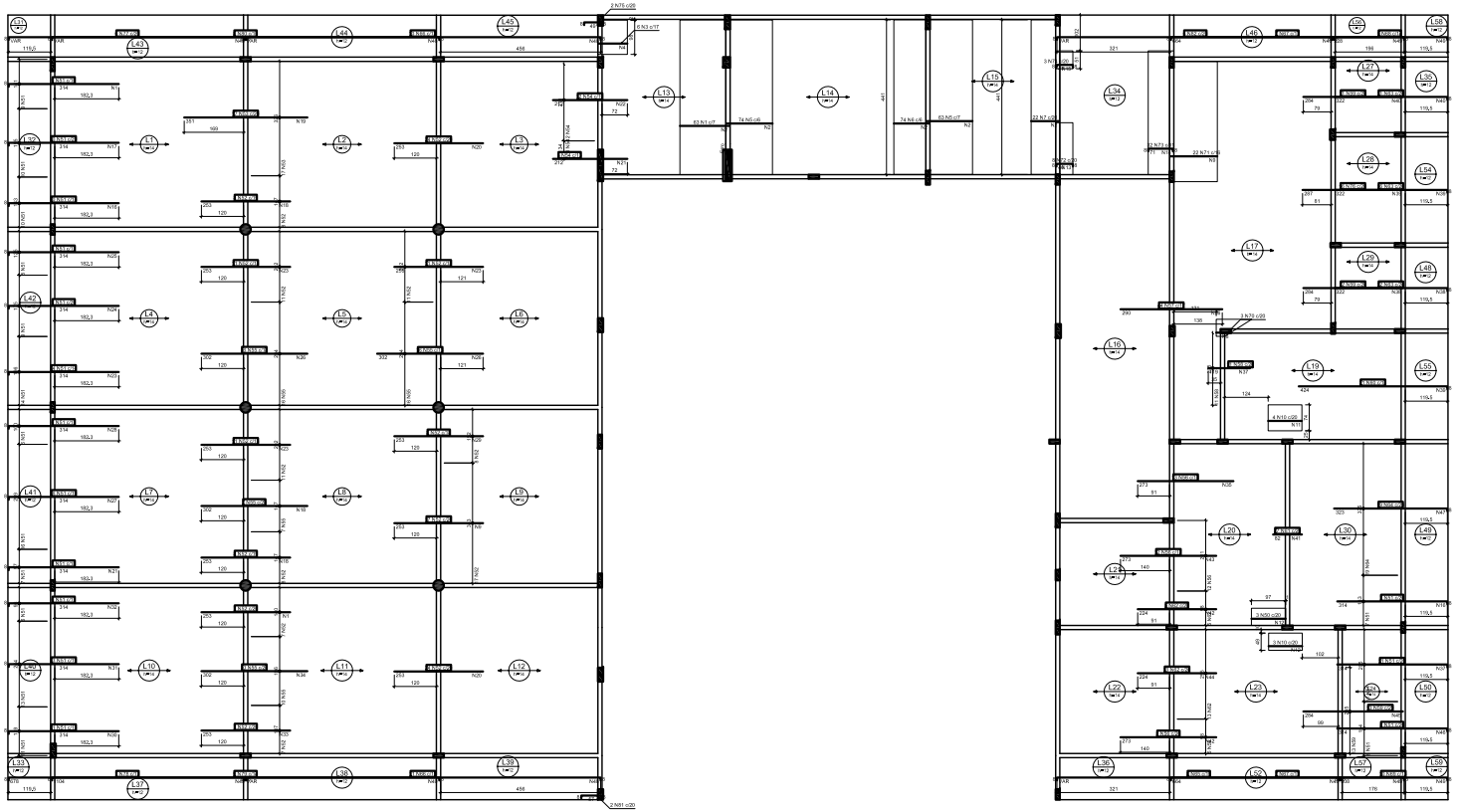


Armação negativa das lajes do pavimento NÍVEL +3,77 (Eixo X)

escala 1/50

Relação do aço

Negativos X

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA50	1	5,0	52	141	12972
	2	5,0	30	441	13230
	3	5,0	6	82	492
	4	5,0	4	98	392
	5	5,0	2	121	1947
	6	5,0	74	101	7474
	7	5,0	74	101	7474
	8	5,0	2	VAR	VAR
	9	5,0	20	343	6860
	10	5,0	1	98	672
	11	5,0	5	74	370
	12	5,0	10	49	490
	13	5,0	3	148	444
	14	5,0	4	353	1412
	15	5,0	3	51	153
	16	5,0	32	149	4768
	17	5,0	16	195	3120
	18	5,0	42	147	6174
	19	5,0	16	332	5676
	20	5,0	20	479	12454
	21	5,0	27	103	2781
	22	5,0	11	233	2563
	23	5,0	55	202	11110
	24	5,0	16	175	2800
	25	5,0	16	130	2080
	26	5,0	32	294	9408
	27	5,0	16	298	4768
	28	5,0	16	106	1696
	29	5,0	13	152	1976
	30	5,0	16	139	2224
	31	5,0	16	244	3904
	32	5,0	16	262	4192
	33	5,0	12	142	1704
	34	5,0	16	196	3136
	35	5,0	14	225	3150
	36	5,0	15	755	11325
	37	5,0	27	211	5697
	38	5,0	31	245	7595
	39	5,0	51	315	16065
	40	5,0	31	215	6665
	41	5,0	5	530	2650
	42	5,0	20	104	2704
	43	5,0	14	201	2814
	44	5,0	12	261	3132
	45	5,0	15	251	3765
	46	5,0	10	154	2464
	47	5,0	17	381	6477
	48	5,0	273	VAR	VAR
	49	5,0	191	126	24066
CA50	50	6,3	3	98	294
	51	6,3	145	321	46545
	52	6,3	136	253	34408
	53	6,3	17	351	5967
	54	6,3	20	212	4240
	55	6,3	49	302	14798
	56	6,3	30	273	8190
	57	6,3	24	294	7056
	58	6,3	11	116	1276
	59	6,3	36	284	10224
	60	6,3	21	431	9051
	61	6,3	27	82	2214
	62	6,3	18	224	4032
	63	6,3	39	329	12831
	64	6,3	19	330	6270
	65	6,3	8	VAR	VAR
	66	6,3	21	VAR	VAR
	67	6,3	14	677	9478
	68	6,3	9	341	3069
	69	6,3	10	321	3210
	70	6,3	3	VAR	VAR
	71	8,0	22	134	2948
	72	8,0	8	58	464
	73	8,0	32	83	2656
	74	8,0	3	59	177
	75	8,0	2	61	122
	76	8,0	16	257	4112
	77	8,0	6	VAR	VAR
	78	8,0	5	866	4330
	79	8,0	8	1116	10044
	80	8,0	3	VAR	VAR
	81	10,0	4	48	138
	82	10,0	2	VAR	VAR

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6,3	2170,4	564,2
	8,0	384,3	189,4
	10,0	48,4	23,8
CA60	5,0	2818,7	477,6

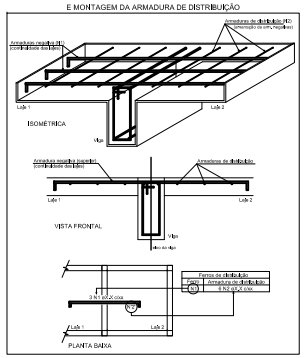
PESO TOTAL (kg)

CA50	797
CA60	477,6

Furos de distribuição

Furos	Armadura de distribuição
N1	7 N2 ø5,0 c/20
N3	4 N4 ø5,0 c/20
N5	7 N2 ø5,0 c/20
N6	5 N2 ø5,0 c/20
N5	7 N2 ø5,0 c/20
N7	4 N2 ø5,0 c/20
N70	2 N5 ø5,0 c/20
N71	7 N5 ø5,0 c/20
N10	5 N11 ø5,0 c/20
N30	5 N12 ø5,0 c/20
N10	5 N12 ø5,0 c/20
N72	3 N13 ø5,0 c/20
N73	3 N14 ø5,0 c/20
N74	6 N15 ø5,0 c/20
N51	16 N16 ø5,0 c/20
N51	16 N17 ø5,0 c/20
N51	16 N1 ø5,0 c/20
N52	13 N18 ø5,0 c/20
N52	16 N19 ø5,0 c/20
N52	13 N20 ø5,0 c/20
N54	11 N21 ø5,0 c/20
N54	11 N22 ø5,0 c/20
N51	16 N23 ø5,0 c/20
N51	16 N24 ø5,0 c/20
N51	16 N25 ø5,0 c/20
N55	16 N26 ø5,0 c/20
N52	13 N23 ø5,0 c/20
N55	16 N26 ø5,0 c/20
N52	13 N23 ø5,0 c/20
N51	16 N21 ø5,0 c/20
N51	16 N27 ø5,0 c/20
N51	16 N28 ø5,0 c/20
N52	13 N18 ø5,0 c/20
N55	16 N18 ø5,0 c/20
N52	13 N23 ø5,0 c/20
N52	13 N3 ø5,0 c/20
N52	13 N29 ø5,0 c/20
N51	16 N30 ø5,0 c/20
N51	16 N31 ø5,0 c/20
N51	16 N32 ø5,0 c/20
N52	13 N33 ø5,0 c/20
N55	16 N34 ø5,0 c/20
N52	13 N1 ø5,0 c/20
N52	13 N35 ø5,0 c/20
N55	14 N36 ø5,0 c/20
N57	15 N36 ø5,0 c/20
N57	15 N37 ø5,0 c/20
N59	15 N38 ø5,0 c/20
N59	15 N38 ø5,0 c/20
N59	15 N40 ø5,0 c/20
N60	22 N39 ø5,0 c/20
N61	5 N41 ø5,0 c/20
N62	12 N42 ø5,0 c/20
N56	14 N43 ø5,0 c/20
N56	14 N42 ø5,0 c/20
N62	12 N44 ø5,0 c/20
N59	15 N45 ø5,0 c/20
N51	16 N46 ø5,0 c/20
N51	16 N37 ø5,0 c/20
N63	16 N40 ø5,0 c/20
N63	16 N39 ø5,0 c/20
N63	16 N38 ø5,0 c/20
N61	17 N47 ø5,0 c/20
N77	17 N47 ø5,0 c/20
N78	34 N48 ø5,0 c/20
N78	34 N49 ø5,0 c/20
N82	40 N48 ø5,0 c/20
N85	41 N48 ø5,0 c/20
N79	56 N49 ø5,0 c/20
N80	51 N48 ø5,0 c/20
N80	56 N46 ø5,0 c/20
N80	51 N48 ø5,0 c/20
N67	34 N49 ø5,0 c/20
N67	34 N49 ø5,0 c/20
N85	17 N49 ø5,0 c/20
N85	16 N49 ø5,0 c/20

DETALHE DA ARMADURA DE SUPERIOR DE CONTINUIDADE DA LAJE
E MONTAGEM DA ARMADURA DE DISTRIBUIÇÃO



PROPRIETÁRIO

UNIVERSIDADE FEDERAL DO AMAZONAS - UFAM
PREFEITURA DO CAMPUS UNIVERSITÁRIO
DIVISÃO DE PROJETOS E FISCALIZAÇÃO DE OBRAS

OBRA / PROJETO RESTAURANTE UNIVERSITÁRIO DO CAMPUS BORVAL VARELA MOURA

PROPRIETÁRIO UNIVERSIDADE FEDERAL DO AMAZONAS - UFAM

ENDEREÇO ESTRADA PARINTINS MADURANY, PARINTINS/AM.

AUTORIA ENG. CIVIL ALISSON PEREIRA TORRES - CREA - 10000 - SRAM

PROJETO ESTRUTURAS

FOLHA FX

TÍTULO LAJES DO NÍVEL +3,77
ARMAÇÃO NEGATIVA HORIZONTAL

ESCALA 1/50

DESENHO ALISSON

REV. DESENHO

DATA 05/2020

EST 12

ALTERAÇÃO / PROJETO Nº	DATA	DESCRIÇÃO / ALTERADO	VISTO

PROIBIDA ALTERAÇÕES E REPRODUÇÕES POR TERCEIROS - DIREITOS AUTORAIS RESERVADOS - LEI 9610/98