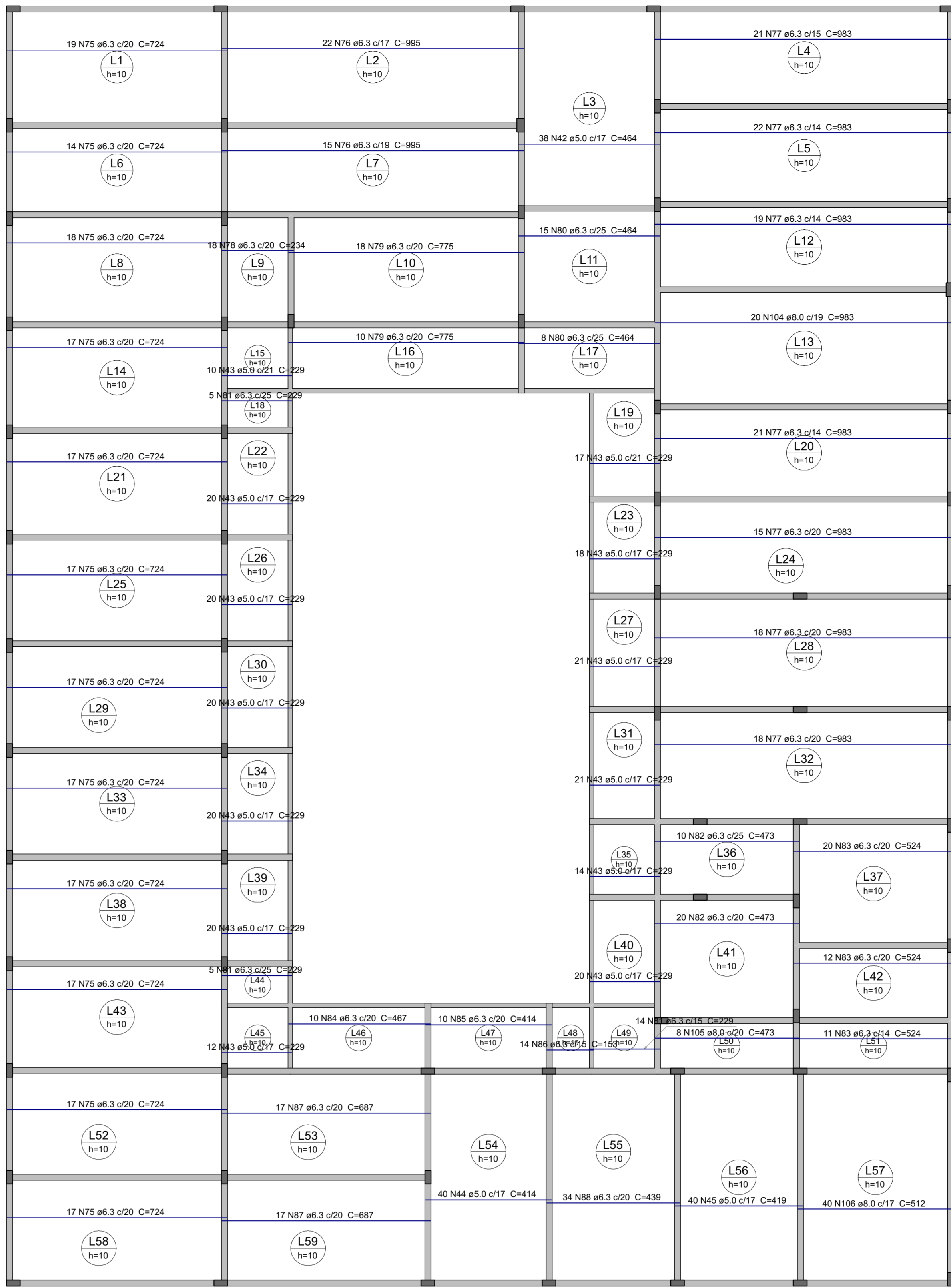
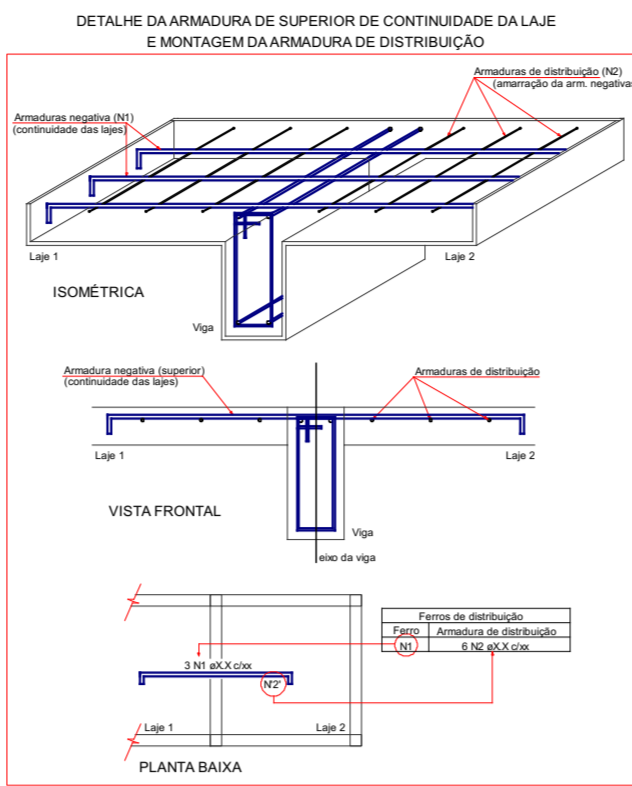


Armaduras de distribuição	
N46	5 N11 e/0 c/20 C=44
N89	22 N2 e/0 c/20 C=365
N90	21 N3 e/0 c/17 C=237
N81	33 N4 e/0 c/20 C=147
N114	39 N5 e/0 c/16 C=178
N115	31 N4 e/0 c/13 C=147
N107	25 N6 e/0 c/12 C=114
N108	34 N7 e/0 c/20 C=208
N109	31 N8 e/0 c/20 C=163
N110	19 N9 e/0 c/18 C=110
N89	22 N10 e/0 c/20 C=206
N47	22 N11 e/0 c/20 C=364
N48	17 N11 e/0 c/20 C=364
N82	35 N11 e/0 c/20 C=364
N49	32 N12 e/0 c/18 C=117
N84	31 N14 e/0 c/20 C=161
N114	63 N15 e/0 c/20 C=218
N55	8 N16 e/0 c/11 C=54
N96	20 N17 e/0 c/20 C=131
N50	19 N15 e/0 c/20 C=218
N90	19 N16 e/0 c/20 C=218
N83	52 N13 e/0 c/11 C=109
N87	20 N16 e/0 c/20 C=178
N87	35 N18 e/0 c/11 C=126
N52	17 N19 e/0 c/20 C=101
N53	13 N20 e/0 c/20 C=151
N50	19 N19 e/0 c/20 C=101
N54	19 N21 e/0 c/20 C=321
N52	17 N22 e/0 c/20 C=353
N47	22 N23 e/0 c/20 C=141
N55	16 N24 e/0 c/20 C=234
N52	17 N22 e/0 c/20 C=353
N56	38 N25 e/0 c/20 C=211
N47	22 N26 e/0 c/20 C=159
N52	17 N22 e/0 c/20 C=353
N57	32 N27 e/0 c/20 C=250
N98	29 N27 e/0 c/20 C=250
N58	29 N28 e/0 c/20 C=160
N50	19 N22 e/0 c/20 C=353
N59	15 N29 e/0 c/20 C=255
N87	32 N30 e/0 c/20 C=102
N60	15 N31 e/0 c/20 C=248
N111	4 N32 e/0 c/20 C=50
N61	18 N30 e/0 c/20 C=102
N50	19 N33 e/0 c/20 C=113
N52	22 N34 e/0 c/20 C=138
N63	3 N13 e/0 c/20 C=109
N64	14 N13 e/0 c/20 C=109
N65	15 N13 e/0 c/20 C=109
N66	7 N13 e/0 c/20 C=109
N67	12 N13 e/0 c/20 C=109
N53	13 N13 e/0 c/20 C=109
N68	15 N35 e/0 c/20 C=167
N69	20 N35 e/0 c/20 C=167
N70	18 N36 e/0 c/20 C=300
N112	15 N37 e/0 c/17 C=300
N113	15 N38 e/0 c/20 C=150
N71	9 N38 e/0 c/20 C=150
N71	9 N39 e/0 c/20 C=300
N72	12 N37 e/0 c/20 C=250
N69	15 N38 e/0 c/20 C=150
N100	15 N37 e/0 c/17 C=300
N73	9 N40 e/0 c/20 C=100
N74	12 N40 e/0 c/20 C=300
N73	9 N39 e/0 c/20 C=300
N101	12 N41 e/0 c/20 C=450
N102	15 N38 e/0 c/20 C=150
N103	18 N36 e/0 c/20 C=350



Relação do aço					
Negativos X		Positivos X			
AÇO	N	DIAM (mm)	QUANT	C.LIMIT (cm)	C.TOTAL (cm)
CA80	1	5,0	5	44	290
	2	5,0	22	385	8470
	3	5,0	21	237	4977
	4	5,0	64	147	9408
	5	5,0	59	178	10502
	6	5,0	25	114	2850
	7	5,0	34	208	7072
	8	5,0	31	193	6053
	9	5,0	19	110	2090
	10	5,0	12	298	6512
	11	5,0	74	364	26936
	12	5,0	32	117	3744
	13	5,0	116	109	12644
	14	5,0	31	161	4991
	15	5,0	218	50	28776
	16	5,0	6	54	324
	17	5,0	15	293	3920
	18	5,0	35	126	4410
	19	5,0	36	101	3636
	20	5,0	13	151	1983
	21	5,0	19	321	6099
	22	5,0	70	303	24710
	23	5,0	22	141	3102
	24	5,0	16	234	3744
	25	5,0	38	211	8016
	26	5,0	22	159	3498
	27	5,0	73	250	18250
	28	5,0	29	160	4640
	29	5,0	15	295	3920
	30	5,0	50	102	5100
	31	5,0	15	295	3920
	32	5,0	4	50	200
	33	5,0	19	113	2147
	34	5,0	22	138	3036
	35	5,0	35	167	5845
	36	5,0	36	300	12000
	37	5,0	30	200	6000
	38	5,0	54	150	8100
	39	5,0	30	300	9000
	40	5,0	21	100	2100
	41	5,0	12	450	5400
	42	5,0	38	464	17632
	43	5,0	233	229	53927
	44	5,0	40	414	16560
	45	5,0	40	419	16760
	46	6,3	3	100	300
	47	6,3	50	439	21950
	48	6,3	24	338	8112
	49	6,3	19	569	10811
	50	6,3	73	387	28021
	51	6,3	15	619	9285
	52	6,3	79	338	26544
	53	6,3	17	254	4318
	54	6,3	21	388	8148
	55	6,3	16	309	4884
	56	6,3	16	768	12288
	57	6,3	24	640	15360
	58	6,3	16	584	9344
	59	6,3	18	302	5436
	60	6,3	21	298	6258
	61	6,3	7	359	2513
	62	6,3	7	445	6875
	63	6,3	7	64	448
	64	6,3	7	294	1888
	65	6,3	7	292	2044
	66	6,3	7	142	984
	67	6,3	7	239	1873
	68	6,3	11	303	3333
	69	6,3	11	400	4400
	70	6,3	29	350	10150
	71	6,3	33	194	6072
	72	6,3	17	234	3878
	73	6,3	27	185	4985
	74	6,3	23	236	5428
	75	6,3	204	724	147696
	76	6,3	37	995	36815
	77	6,3	134	983	131722
	78	6,3	18	234	4212
	79	6,3	28	21700	217000
	80	6,3	23	464	10672
	81	6,3	24	229	5496
	82	6,3	30	473	14190
	83	6,3	43	524	22532
	84	6,3	10	467	4670
	85	6,3	10	414	4140
	86	6,3	14	153	2142
	87	6,3	34	687	23358
	88	6,3	34	439	14928
	89	8,0	50	442	22100
	90	8,0	26	360	9360
	91	8,0	10	664	6640
	92	8,0	29	695	13020
	93	8,0	18	571	10278
	94	8,0	11	622	6842
	95	8,0	9	72	648
	96	8,0	8	388	3104
	97	8,0	34	389	13226
	98	8,0	15	580	8700
	99	8,0	9	295	2384
	100	8,0	22	248	5456
	101	8,0	40	244	9760
	102	8,0	8	295	2380
	103	8,0	21	352	7392
	104	8,0	20	983	19660
	105	8,0	8	473	3784
	106	8,0	40	512	20480
	107	10,0	11	299	3289
	108	10,0	12	678	8112
	109	10,0	8	617	4936
	110	10,0	7	343	2401
	111	10,0	3	81	243
	112	10,0	14	250	3500
	113	10,0	6	300	2400
	114	12,5	26	628	16328
	115	12,5	9	405	3627

ARMAÇÃO NEGATIVA DAS LAJES DO PAVIMENTO PRIMEIRO PAVIMENTO (EIXO X)

Escala 1:100

ARMAÇÃO POSITIVA DAS LAJES DO PAVIMENTO PRIMEIRO PAVIMENTO (EIXO X)

Escala 1:100

Resumo do aço			
AÇO	DIAM (mm)	C.TOTAL	PESO + 10 %
CA50	6,3	6703,2	1804,3
	8,0	1661	720,9
	10,0	248,9	168,7
	12,5	198,6	211,5
CA80	5,0	3605,5	662,3
PESO TOTAL			
CA50	2905,4		
CA80	662,3		

Volume de concreto (C=40) = 100,46 m³  
Área de forma = 1004,63 m²

Revisões da prancha

03	AJUSTE DO PISO DAS ESCADAS	MSV	19/11/2024
02	SUBSTITUIÇÃO DE ESTACAS, CORREÇÃO DOS PISOS DAS ESCADAS	MSV	19/11/2024
01	CORRIGIDO ARMAÇÃO DAS VIGAS E PILARES GERAIS	MSV	19/11/2024
00	EMIÇÃO INICIAL	MSV	01/09/2024
Nº	Comentário	Autor	Data

PAS PROJETOS

CONSTRUÇÃO DA EMEI VITAL LUCAS

RESPONSÁVEL TÉCNICO: ALEXANDRE COSTA PEÇANHA, SPM - SÃO JOSÉ

RESPONSÁVEL TÉCNICO: ALEXANDRE COSTA PEÇANHA, SPM - SÃO JOSÉ

PROJETO: Lajes

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE RIO NOVO DO SUL

DESENHO: EQUIPE PAS

DATA: 01/11/2024

CONSTATO: 01

25 / 33



**INFORMAÇÕES DO DOCUMENTO**

Documento capturado em 06/03/2025 07:52:31 (HORÁRIO DE BRASÍLIA - UTC-3)  
por PAULO CESAR DO AMARAL CONTAIFER (SECRETÁRIO MUNICIPAL - SETGAB - SEMPLAN - PMRNS)  
Valor Legal: CÓPIA SIMPLES | Natureza: DOCUMENTO NATO-DIGITAL

A disponibilidade do documento pode ser conferida pelo link: <https://e-docs.es.gov.br/d/2025-6JD7BZ>