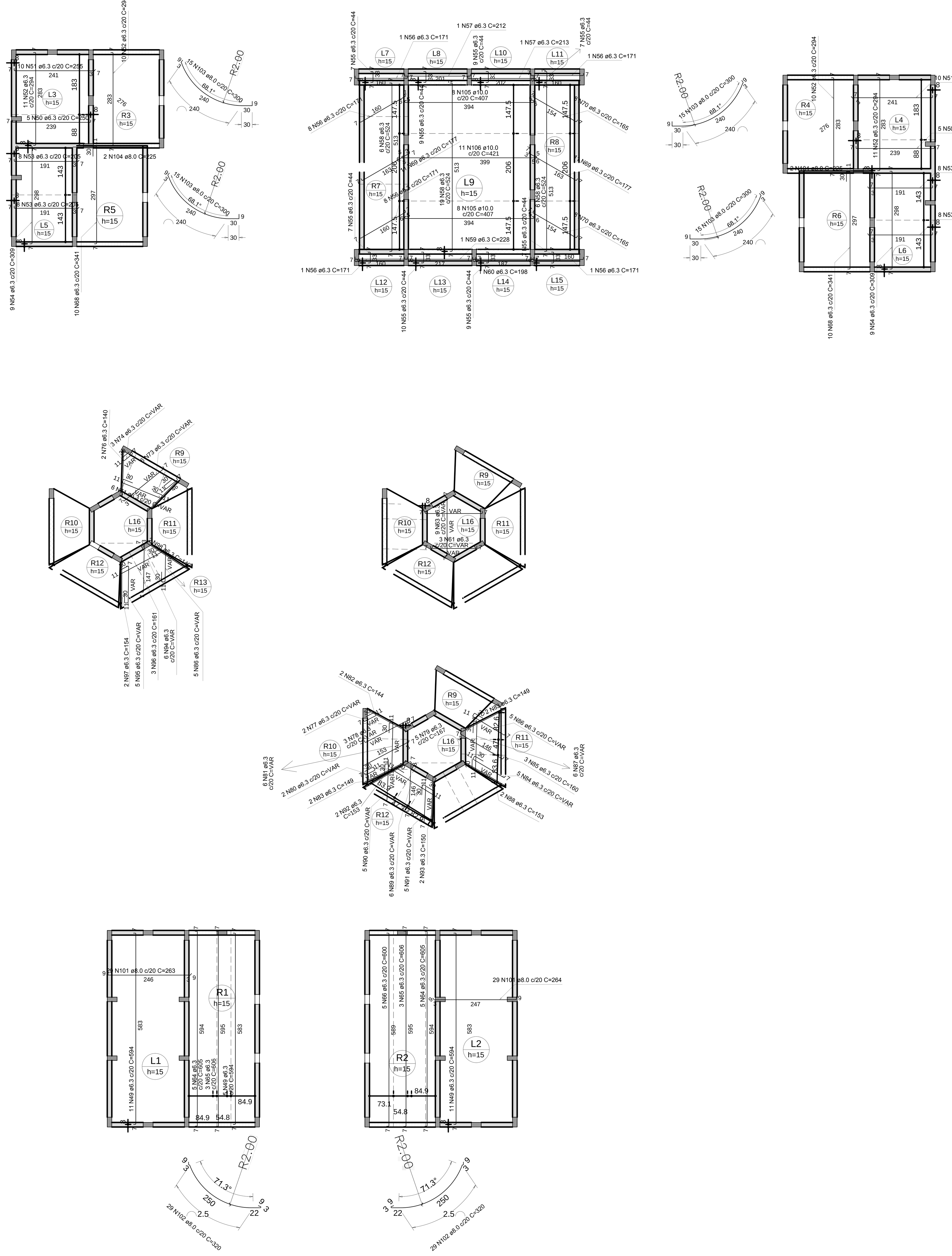
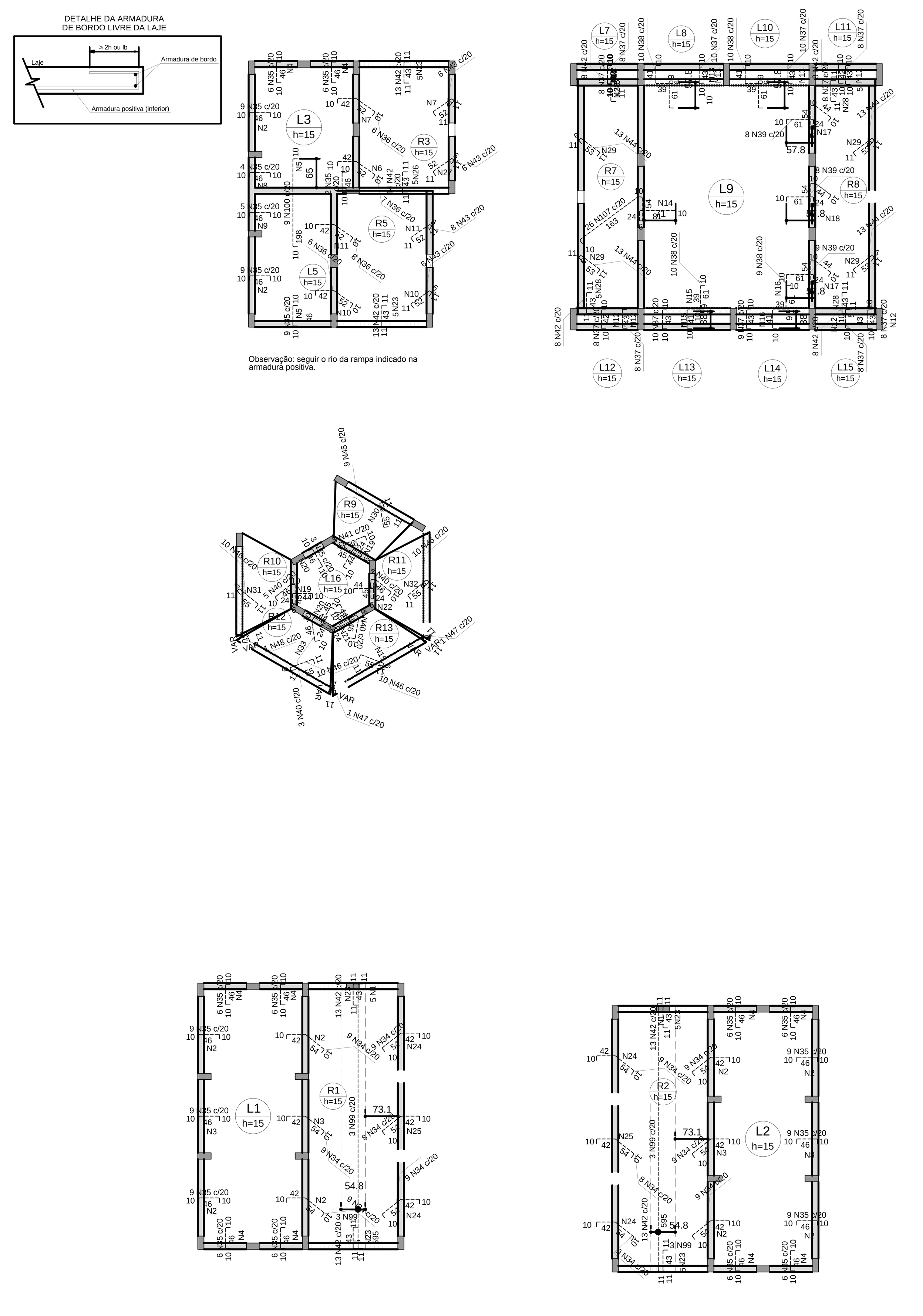
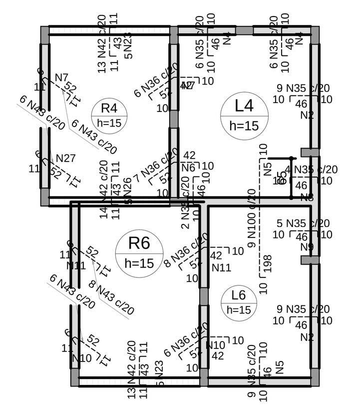


Armação positiva das lajes do pavimento Piso Skate
escala 1:75





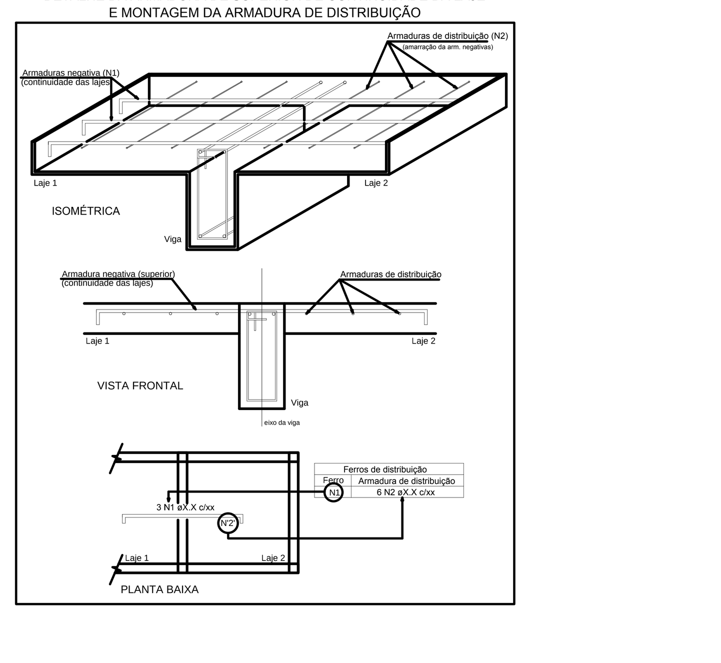
Armação negativa das lajes do pavimento Piso Skate
escala 1:75

Observação: seguir o rio da rampa indicado na armadura positiva.

Armaduras de distribuição

Armadura	Armadura de distribuição
N99	40 N1 ø5.0 c/15 C=55
N99	40 N1 ø5.0 c/15 C=55
N34	6 N2 ø5.0 c/15 C=189
N34	6 N3 ø5.0 c/15 C=179
N34	6 N2 ø5.0 c/15 C=189
N35	3 N4 ø5.0 c/15 C=111
N35	3 N4 ø5.0 c/15 C=112
N35	3 N2 ø5.0 c/15 C=189
N35	3 N3 ø5.0 c/15 C=179
N35	3 N2 ø5.0 c/15 C=189
N35	3 N4 ø5.0 c/15 C=111
N35	3 N4 ø5.0 c/15 C=112
N35	3 N2 ø5.0 c/15 C=189
N35	3 N3 ø5.0 c/15 C=179
N35	3 N2 ø5.0 c/15 C=189
N35	3 N4 ø5.0 c/15 C=112
N35	3 N4 ø5.0 c/15 C=112
N34	6 N2 ø5.0 c/15 C=189
N34	6 N3 ø5.0 c/15 C=179
N34	6 N2 ø5.0 c/15 C=189
N35	3 N4 ø5.0 c/15 C=112
N35	3 N4 ø5.0 c/15 C=112
N100	14 N5 ø5.0 c/15 C=185
N36	6 N6 ø5.0 c/15 C=131
N36	6 N7 ø5.0 c/15 C=128
N35	3 N4 ø5.0 c/15 C=112
N35	3 N4 ø5.0 c/15 C=111
N35	3 N2 ø5.0 c/15 C=189
N35	3 N8 ø5.0 c/15 C=82
N100	14 N5 ø5.0 c/15 C=185
N35	3 N8 ø5.0 c/15 C=82
N35	3 N2 ø5.0 c/15 C=189
N35	3 N4 ø5.0 c/15 C=112
N35	3 N4 ø5.0 c/15 C=112
N36	6 N7 ø5.0 c/15 C=128
N36	6 N6 ø5.0 c/15 C=131
N35	3 N9 ø5.0 c/15 C=97
N35	3 N2 ø5.0 c/15 C=189
N35	3 N5 ø5.0 c/15 C=185
N36	6 N10 ø5.0 c/15 C=122
N36	6 N11 ø5.0 c/15 C=152
N36	6 N11 ø5.0 c/15 C=152
N36	6 N10 ø5.0 c/15 C=122
N35	3 N5 ø5.0 c/15 C=185
N35	3 N2 ø5.0 c/15 C=189
N35	3 N9 ø5.0 c/15 C=97
N37	3 N12 ø5.0 c/15 C=151
N37	3 N12 ø5.0 c/15 C=151
N37	3 N13 ø5.0 c/15 C=192
N38	7 N13 ø5.0 c/15 C=192
N107	15 N14 ø5.0 c/15 C=VAR
N38	7 N15 ø5.0 c/15 C=208
N38	7 N16 ø5.0 c/15 C=178
N39	7 N17 ø5.0 c/15 C=170
N39	7 N18 ø5.0 c/15 C=155
N39	7 N17 ø5.0 c/15 C=170
N38	7 N13 ø5.0 c/15 C=193
N37	3 N13 ø5.0 c/15 C=193
N37	3 N12 ø5.0 c/15 C=151
N37	3 N12 ø5.0 c/15 C=151
N37	3 N12 ø5.0 c/15 C=151
N37	3 N12 ø5.0 c/15 C=151
N37	3 N15 ø5.0 c/15 C=208
N37	3 N16 ø5.0 c/15 C=178
N37	3 N12 ø5.0 c/15 C=151
N37	3 N12 ø5.0 c/15 C=151
N40	6 N19 ø5.0 c/15 C=103
N40	6 N20 ø5.0 c/15 C=67
N40	6 N21 ø5.0 c/15 C=85
N40	6 N22 ø5.0 c/15 C=85
N41	6 N19 ø5.0 c/15 C=103
N35	3 N20 ø5.0 c/15 C=67
N42	4 N23 ø5.0 c/15 C=215
N34	6 N24 ø5.0 c/15 C=183
N34	6 N25 ø5.0 c/15 C=167
N34	6 N24 ø5.0 c/15 C=183
N42	4 N23 ø5.0 c/15 C=215
N42	4 N23 ø5.0 c/15 C=215
N34	6 N24 ø5.0 c/15 C=183
N34	6 N25 ø5.0 c/15 C=167
N34	6 N24 ø5.0 c/15 C=183
N42	4 N23 ø5.0 c/15 C=215
N42	4 N26 ø5.0 c/15 C=222
N43	4 N27 ø5.0 c/15 C=117
N43	4 N7 ø5.0 c/15 C=128
N42	4 N23 ø5.0 c/15 C=215
N42	4 N23 ø5.0 c/15 C=215
N43	4 N7 ø5.0 c/15 C=128
N43	4 N27 ø5.0 c/15 C=117
N42	4 N26 ø5.0 c/15 C=222
N42	4 N23 ø5.0 c/15 C=215
N43	4 N10 ø5.0 c/15 C=122
N43	4 N11 ø5.0 c/15 C=152
N43	4 N11 ø5.0 c/15 C=152
N43	4 N10 ø5.0 c/15 C=122
N42	4 N23 ø5.0 c/15 C=215
N42	4 N28 ø5.0 c/15 C=135
N44	4 N29 ø5.0 c/15 C=251
N44	4 N29 ø5.0 c/15 C=252
N42	4 N28 ø5.0 c/15 C=135
N42	4 N28 ø5.0 c/15 C=135
N44	4 N29 ø5.0 c/15 C=252
N44	4 N29 ø5.0 c/15 C=251
N42	4 N28 ø5.0 c/15 C=135
N45	4 N30 ø5.0 c/15 C=188
N46	4 N31 ø5.0 c/15 C=208
N46	4 N32 ø5.0 c/15 C=208
N46	4 N33 ø5.0 c/15 C=209
N46	4 N15 ø5.0 c/15 C=207

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



RELAÇÃO DO AÇO LAJES E RAMPAS DA PISTA

Negativos Positivos

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	80	55	4400
	2	5.0	48	189	9072
	3	5.0	18	179	3222
	4	5.0	36	111	3996
	5	5.0	34	185	6290
	6	5.0	12	131	1572
	7	5.0	20	128	2560
	8	5.0	6	82	492
	9	5.0	6	97	582
	10	5.0	20	122	2440
	11	5.0	20	152	3040
	12	5.0	24	151	3624
	13	5.0	20	192	3840
	14	5.0	15	VAR	VAR
	15	5.0	14	208	2912
	16	5.0	10	178	1780
	17	5.0	14	170	2380
	18	5.0	7	155	1085
	19	5.0	12	103	1236
	20	5.0	9	67	603
	21	5.0	6	85	510
	22	5.0	6	85	510
	23	5.0	32	215	6880
	24	5.0	24	183	4392
	25	5.0	12	167	2004
	26	5.0	8	222	1776
	27	5.0	8	117	936
	28	5.0	16	135	2160
	29	5.0	16	251	4016
	30	5.0	4	188	752
	31	5.0	4	208	832
	32	5.0	4	208	832
	33	5.0	4	209	836
CA50	34	6.3	106	113	11978
	35	6.3	205	63	12915
	36	6.3	54	111	5994
	37	6.3	103	59	6077
	38	6.3	39	167	6513
	39	6.3	25	210	5250
	40	6.3	16	186	2976
	41	6.3	5	186	930
	42	6.3	164	67	10988
	43	6.3	52	76	3952
	44	6.3	52	77	4004
	45	6.3	9	79	711
	46	6.3	40	79	3160
	47	6.3	2	VAR	VAR
	48	6.3	1	VAR	VAR
	49	6.3	27	594	16038
	50	6.3	10	250	2500
	51	6.3	20	255	5100
	52	6.3	42	294	12348
	53	6.3	32	205	6560
	54	6.3	18	309	5562
	55	6.3	65	44	2860
	56	6.3	20	171	3420
	57	6.3	2	212	424
	58	6.3	31	524	16244
	59	6.3	1	228	228
	60	6.3	1	198	198
	61	6.3	3	VAR	VAR
	62	6.3	8	VAR	VAR
	63	6.3	9	VAR	VAR
	64	6.3	10	605	6050
	65	6.3	6	606	3636
	66	6.3	5	600	3000
	68	6.3	20	341	6820
	69	6.3	22	177	3894
	70	6.3	16	165	2640
	71	6.3	6	VAR	VAR
	72	6.3	3	90	270
	73	6.3	6	VAR	VAR
	74	6.3	3	VAR	VAR
	75	6.3	2	128	256
	76	6.3	2	140	280
	77	6.3	2	VAR	VAR
	78	6.3	3	VAR	VAR
	79	6.3	5	167	835
	80	6.3	2	VAR	VAR
	81	6.3	6	VAR	VAR
	82	6.3	2	144	288
	83	6.3	4	149	596
	84	6.3	5	VAR	VAR
	85	6.3	6	160	960
	86	6.3	10	VAR	VAR
	87	6.3	6	VAR	VAR
	88	6.3	2	153	306
	89	6.3	6	VAR	VAR
	90	6.3	5	VAR	VAR
	91	6.3	5	VAR	VAR
	92	6.3	2	153	306
	93	6.3	2	150	300
	94	6.3	6	VAR	VAR
	95	6.3	5	VAR	VAR
	96	6.3	3	161	483
	97	6.3	2	154	308
	98	6.3	2	149	298
	99	8.0	6	613	3678
	100	8.0	18	214	3852
	101	8.0	58	263	15254
	102	8.0	58	320	18560
	103	8.0	60	300	18000
	104	8.0	4	225	900
	105	10.0	16	407	6512
	106	10.0	11	421	4631
	107	12.5	26	340	8840

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	2036	548
	8.0	602.7	260.55
	10.0	111.4	75.6
	12.5	88.4	93.7
CA60	5.0	893.3	151.5

PESO TOTAL (kg)	
CA50	977.85
CA60	151.5

Volume de concreto (C-25) = 23.25 m³
Área de forma = 158.34 m²

P1=P2=P3=P13=P14=P15= =P16=P19=P20=P23=P24= =P31=P32=P35=P36=P39= =P40=P41=P51=P52

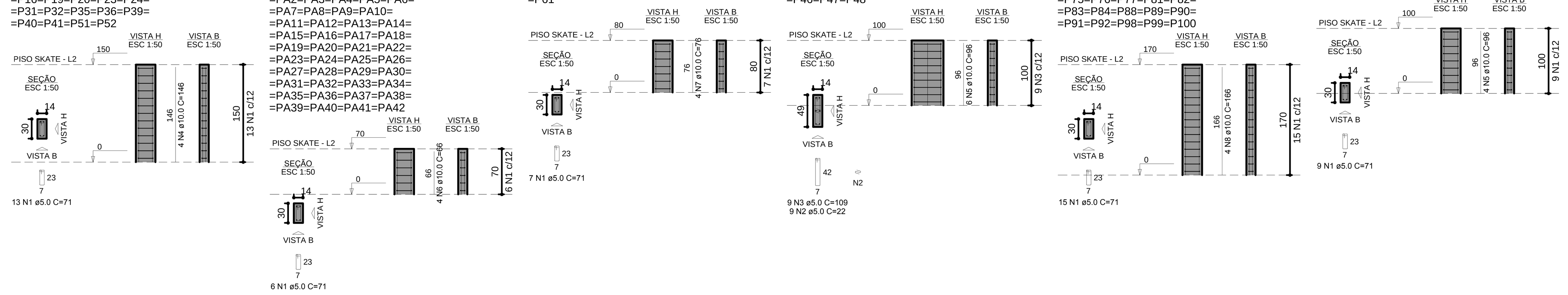
P21=P22=P33=P34=PA1= =PA2=PA3=PA4=PA5=PA6= =PA7=PA8=PA9=PA10= =PA11=PA12=PA13=PA14= =PA15=PA16=PA17=PA18= =PA19=PA20=PA21=PA22= =PA23=PA24=PA25=PA26= =PA27=PA28=PA29=PA30= =PA31=PA32=PA33=PA34= =PA35=PA36=PA37=PA38= =PA39=PA40=PA41=PA42

P55=P56=P58=P59=P60= =P61

P6=P7=P8=P9=P10=P44=P45= =P46=P47=P48

P65=P66=P67=P73=P74= =P75=P76=P77=P81=P82= =P83=P84=P88=P89=P90= =P91=P92=P98=P99=P100

P68=P72=P93=P97



RELAÇÃO DO AÇO DOS PILARES

20xP1 6xP55 10xP6 20xP65 46xP21 4xP68

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	914	71	64894
	2	5.0	90	22	1980
	3	5.0	90	109	9810
CA50	4	10.0	80	146	11680
	5	10.0	76	96	7296
	6	10.0	184	66	12144
	7	10.0	24	76	1824
	8	10.0	80	166	13280

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	462.2	313.5
CA60	5.0	766.8	130

PESO TOTAL (kg)	
CA50	313.5
CA60	130

Volume de concreto (C-25) = 5.10 m³
Área de forma = 105.00 m²

DIRETORIA DE PROJETOS - PREFEITURA DE ÁGUAS LINDAS DE GOIÁS

ESTACIONAMENTO PÚBLICO E PISTA DE SKATE

ENDERECO : ÁREA PÚBLICA MUNICIPAL, LOTE 1F QUADRA 53 - JARDIM BRASÍLIA

PROPRIETÁRIO : PREFEITURA MUNICIPAL DE ÁGUAS LINDAS DE GÓIAS

AUTOR DO PROJETO : **ANDERSON IUATA NERI** ENGENHEIRO CIVIL CREA - 24363/D-DF

RESPONSAVEL TECNICO :

PREFEITURA MUNICIPAL DE GOIÁS

AUTOR DO PROJETO: **ANDERSON IUATA NERI** CREA - 24363/D-DF

RESP. TÉCNICO CAU/CREA

PROJETO ESTRUTURAL - IMPLANTAÇÃO URBANÍSTICA

USO : INSTITUCIONAL

CONTEUDO : Lajes Pilares

EST

DATA : AGO/2020 | DESENHO: | ESC.: INDICADA | PRANCHA : 07/7