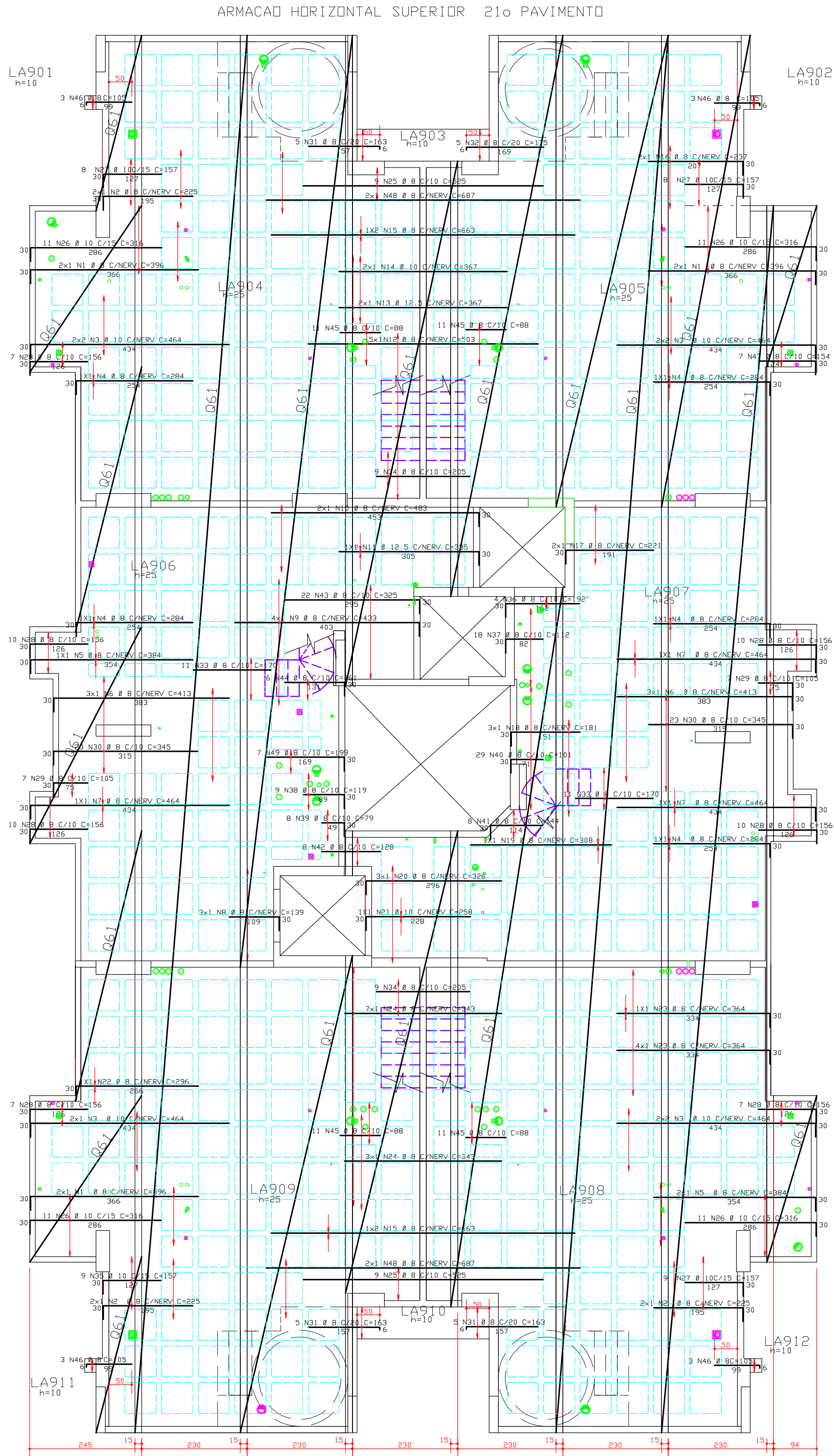
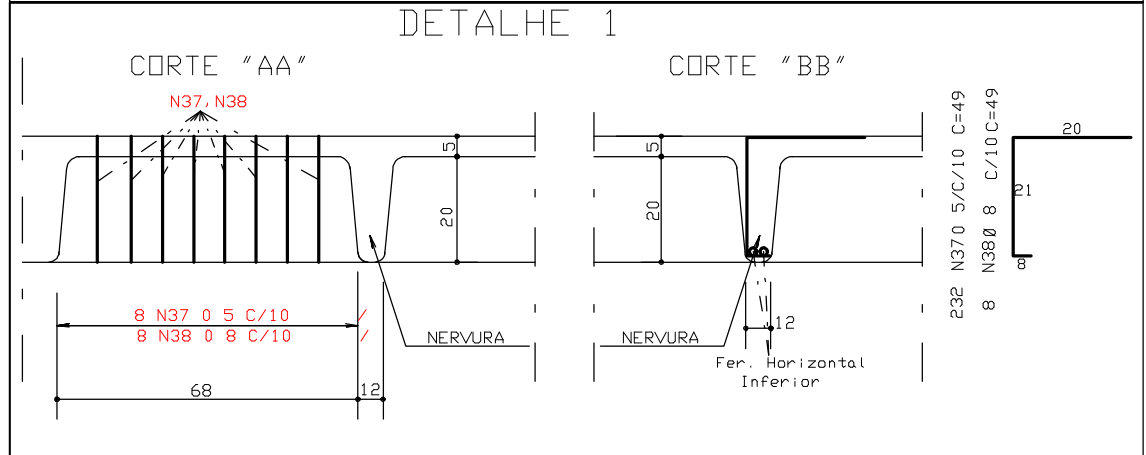
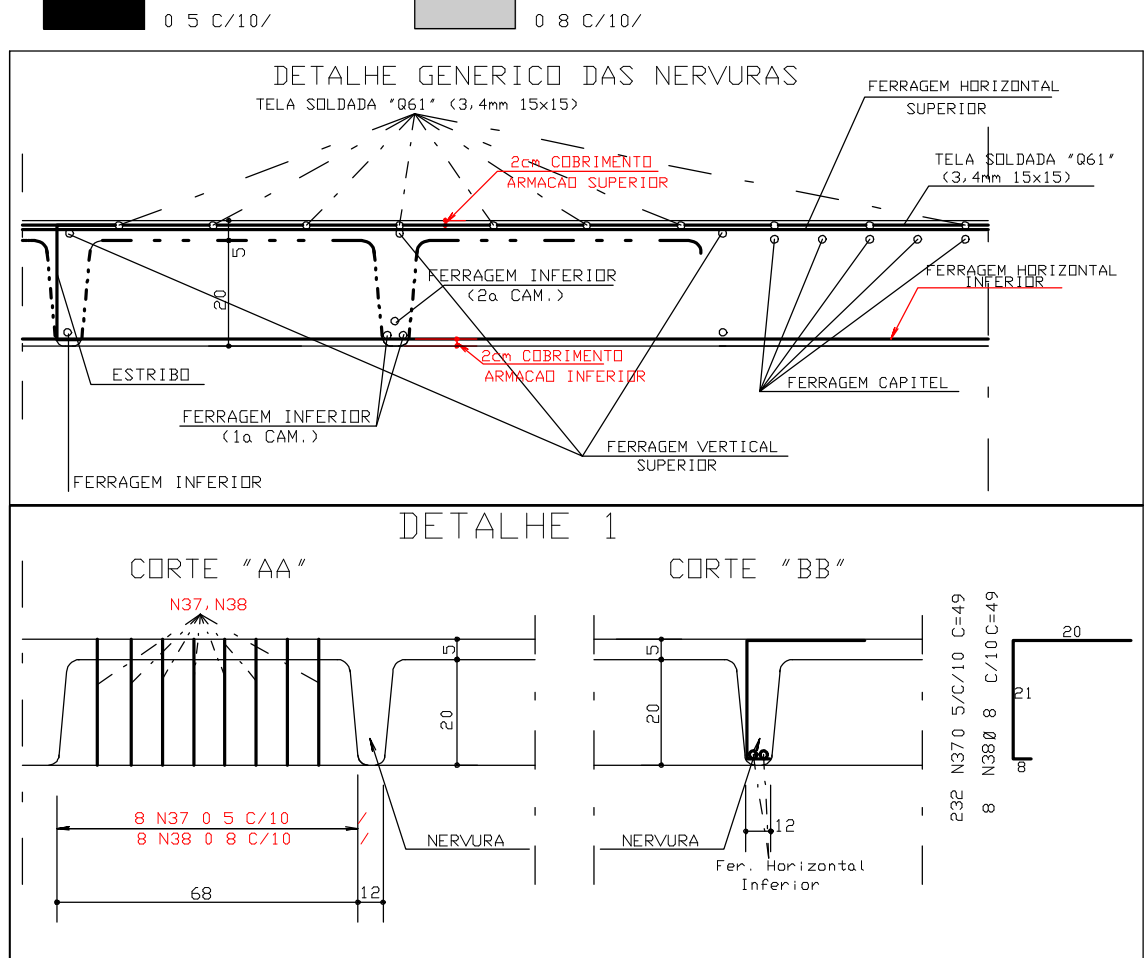
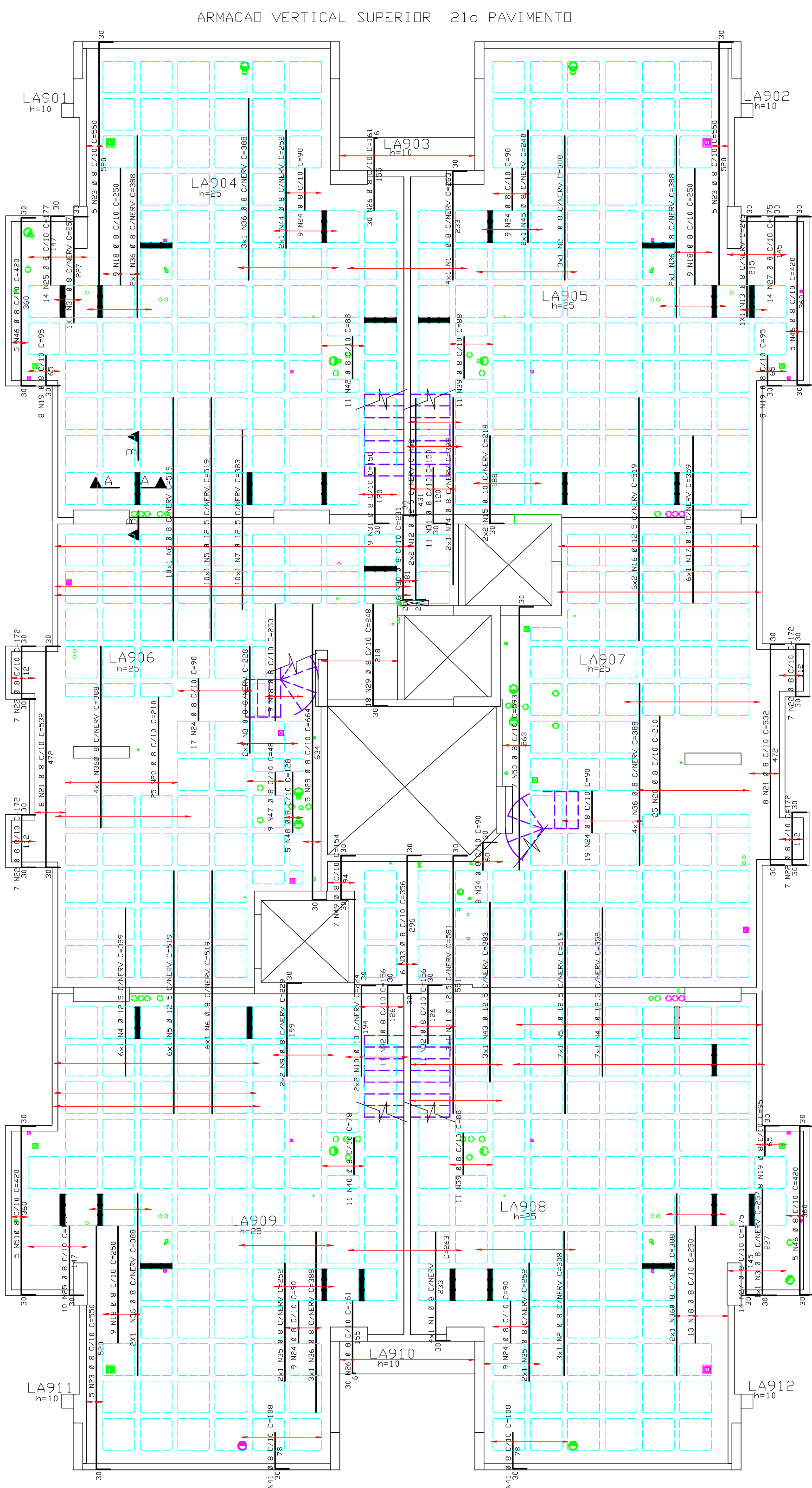




ACO	PDS	BIT	QUANT	COMPRIMENTO	
		(mm)		UNIT	TOTAL
ARMACAO HORIZONTAL SUPERIOR 21o PAVIMENTO					
S0A	2	8	6	2376	14256
S0A	3	10	14	225	3150
S0A	4	8	5	284	1420
S0A	5	8	2	384	768
S0A	6	8	2	413	826
S0A	7	8	3	464	1392
S0A	8	8	139	417	57753
S0A	9	8	4	433	1732
S0A	10	8	2	483	966
S0A	11	12,5	1	335	335
S0A	12	8	1	502	5015
S0A	13	12,5	734	734	8675
S0A	14	10	2	367	734
S0A	15	8	4	663	2632
S0A	16	8	2	237	474
S0A	17	8	2	221	442
S0A	18	8	3	181	343
S0A	19	8	1	308	308
S0A	20	8	3	326	678
S0A	21	10	1	258	258
S0A	22	8	1	296	296
S0A	23	8	5	364	1820
S0A	24	8	10	342	3430
S0A	25	8	18	325	9480
S0A	26	10	25	216	5394
S0A	27	10	25	137	3325
S0A	28	8	61	156	9516
S0A	29	8	14	105	1470
S0A	30	8	46	345	15870
S0A	31	8	15	163	2445
S0A	32	8	5	175	875
S0A	33	8	22	170	3740
S0A	34	8	18	205	3690
S0A	35	10	9	157	1413
S0A	36	8	182	768	139896
S0A	37	8	18	112	2016
S0A	38	8	9	119	1071
S0A	39	8	8	79	632
S0A	40	8	29	101	2929
S0A	41	8	8	144	1152
S0A	42	8	8	128	1024
S0A	43	8	25	7150	178750
S0A	44	8	6	161	966
S0A	45	8	88	3872	340736
S0A	46	8	12	105	1260
S0A	47	8	7	134	978
S0A	48	8	4	687	2748
S0A	49	8	7	199	1393

RESUMO ACO CA 50-60			
ACO	BIT (mm)	COMPR (m)	PESO (kg)
S0A	8	1019	4.07
S0A	10	267	1.68
S0A	12.5	1	11
Peso Total			587 kg



	ACO	PDS	BIT	QUANT	COMPRIMENTO	
			(mm)		UNIT	TOTAL
(cm)						
ARMACAO VERTICAL SUPERIOR 21o PAVIMENTO						
S0A	1	8	8	262	2104	
S0A	2	8	8	183	1464	8848
S0A	3	8	2	257	514	
S0A	4	12.5	13	359	4667	
S0A	5	12.5	23	319	4137	
S0A	6	8	16	519	2082	
S0A	7	12.5	5	383	2630	
S0A	8	8	2	228	456	
S0A	9	8	4	229	916	
S0A	10	10	4	224	896	
S0A	11	12.5	3	381	1743	
S0A	12	12.5	4	432	1608	
S0A	13	8	1	245	245	
S0A	14	8	1	399	399	
S0A	15	10	4	218	872	
S0A	16	12.5	12	319	6228	
S0A	17	10	6	359	2154	
S0A	18	8	49	250	12250	
S0A	19	8	24	95	2280	
S0A	20	8	50	210	10500	
S0A	21	8	16	332	5312	
S0A	22	8	28	172	4816	
S0A	23	8	13	550	7150	
S0A	24	8	72	90	6480	
S0A	25	8	24	177	4248	
S0A	26	8	60	161	9660	
S0A	27	8	28	173	4884	
S0A	28	8	3	664	3320	
S0A	29	8	18	248	4464	
S0A	30	8	6	231	1386	
S0A	31	8	20	150	3000	
S0A	32	8	22	156	3432	
S0A	33	8	6	356	2136	
S0A	34	8	8	90	720	
S0A	35	8	4	252	1008	
S0A	36	8	22	388	8536	
S0A	37	5	232	49	11368	
S0A	38	8	8	49	392	
S0A	39	8	22	88	1936	
S0A	40	8	11	78	858	
S0A	41	8	37	108	3996	
S0A	42	8	11	88	868	
S0A	43	12.5	3	383	1149	
S0A	44	8	2	252	504	
S0A	45	8	9	240	840	
S0A	46	8	5	420	2100	6300
S0A	47	8	7	48	432	
S0A	48	8	7	528	2640	
S0A	49	8	7	154	1078	
S0A	50	8	7	593	4151	
S0A	51	8	5	428	2140	

RESUMO ACO CA 50-60			
ACO	BIT (mm)	COMPR (m)	PESO (kg)
S0B	8	114	18
S0A	8	1389	536
S0A	10	39	25
S0A	12.5	314	314
Peso Total			693 kg
Peso Total			274 kg

COBRIMENTO DA ARMADURA:

- LAJES = 2,0 cm
- VIGAS E PILARES = 2,5 cm
- BLOCOS, BALDRAMES E CONTENEDORES (FACE EM CONTATO COM A TERRA) = 3,0 cm

1. ESSES COBRIMENTOS DEVERAO SER GARANTIDOS COM O USO DE ESPACADORES OU PASTILHAS.

COBRIMENTOS ESPECIFICADOS EM CONTRARIO AOS VALORES INDICADOS ACIMA, ESTAO INDICADOS NOS DESENHOS DE FORMAS DOS PAVIMENTOS.

NORMAS UTILIZADAS:

- NRB-6118/2003 - PROJETO E EXECUCAO DE OBRAS DE CONCRETO ARMADO
- NRB-6120/1980 - CARGAS PARA O CALCULO DE ESTRUTURAS DE EDIFICACOES

FCK = 35 MPa

EC = 28 GPa (MODULO DE ELASTICIDADE SECANTE)

A/C = 0,65 (FATOR AGUA CIMENTO)

REGIÃO MACIA AO REDOR DOS FUROS PREENCHER COM 0 8 C/10

DETALHE GERAL DOS FUROS PASSAGEM DE TUBULACAO

DETALHE GERAL DAS NERVURAS

DETALHE GERAL PARA FUROS QUE CAIREM NAS NERVURAS

RESUMO TELA O61

QUANT	TIPO/ESPECIFICACAO	AREA (m²)	PESO (kg)
1	2.45 x 2.20-55	10.40	10.40
2	2.45 x 2.20-55	49.08	49.08
3	2.45 x 2.20-55	88.14	88.14
4	2.45 x 2.20-55	25.49	25.49
5	2.45 x 2.20-55	25.49	25.49
6	2.45 x 2.20-55	25.49	25.49
7	2.45 x 2.20-55	25.49	25.49
8	2.45 x 2.20-55	25.49	25.49
9	2.45 x 2.20-55	25.49	25.49
10	2.45 x 2.20-55	25.49	25.49
11	2.45 x 2.20-55	25.49	25.49
12	2.45 x 2.20-55	25.49	25.49
13	2.45 x 2.20-55	25.49	25.49
14	2.45 x 2.20-55	25.49	25.49
15	2.45 x 2.20-55	25.49	25.49
16	2.45 x 2.20-55	25.49	25.49
17	2.45 x 2.20-55	25.49	25.49
18	2.45 x 2.20-55	25.49	25.49
19	2.45 x 2.20-55	25.49	25.49
20	2.45 x 2.20-55	25.49	25.49
21	2.45 x 2.20-55	25.49	25.49
22	2.45 x 2.20-55	25.49	25.49
23	2.45 x 2.20-55	25.49	25.49
24	2.45 x 2.20-55	25.49	25.49
25	2.45 x 2.20-55	25.49	25.49
26	2.45 x 2.20-55	25.49	25.49
27	2.45 x 2.20-55	25.49	25.49
28	2.45 x 2.20-55	25.49	25.49
29	2.45 x 2.20-55	25.49	25.49
30	2.45 x 2.20-55	25.49	25.49
31	2.45 x 2.20-55	25.49	25.49
32	2.45 x 2.20-55	25.49	25.49
33	2.45 x 2.20-55	25.49	25.49
34	2.45 x 2.20-55	25.49	25.49
35	2.45 x 2.20-55	25.49	25.49
36	2.45 x 2.20-55	25.49	25.49
37	2.45 x 2.20-55	25.49	25.49
38	2.45 x 2.20-55	25.49	25.49
39	2.45 x 2.20-55	25.49	25.49
40	2.45 x 2.20-55	25.49	25.49
41	2.45 x 2.20-55	25.49	25.49
42	2.45 x 2.20-55	25.49	25.49
43	2.45 x 2.20-55	25.49	25.49
44	2.45 x 2.20-55	25.49	25.49
45	2.45 x 2.20-55	25.49	25.49
46	2.45 x 2.20-55	25.49	25.49
47	2.45 x 2.20-55	25.49	25.49
48	2.45 x 2.20-55	25.49	25.49
49	2.45 x 2.20-55	25.49	25.49
50	2.45 x 2.20-55	25.49	25.49
51	2.45 x 2.20-55	25.49	25.49
52	2.45 x 2.20-55	25.49	25.49
53	2.45 x 2.20-55	25.49	25.49
54	2.45 x 2.20-55	25.49	25.49
55	2.45 x 2.20-55	25.49	25.49
56	2.45 x 2.20-55	25.49	25.49
57	2.45 x 2.20-55	25.49	25.49
58	2.45 x 2.20-55	25.49	25.49
59	2.45 x 2.20-55	25.49	25.49
60	2.45 x 2.20-55	25.49	25.49
61	2.45 x 2.20-55	25.49	25.49
62	2.45 x 2.20-55	25.49	25.49
63	2.45 x 2.20-55	25.49	25.49
64	2.45 x 2.20-55	25.49	25.49
65	2.45 x 2.20-55	25.49	25.49
66	2.45 x 2.20-55	25.49	25.49
67	2.45 x 2.20-55	25.49	25.49
68	2.45 x 2.20-55	25.49	25.49
69	2.45 x 2.20-55	25.49	25.49
70	2.45 x 2.20-55	25.49	25.49
71	2.45 x 2.20-55	25.49	25.49
72	2.45 x 2.20-55	25.49	25.49
73	2.45 x 2.20-55	25.49	25.49
74	2.45 x 2.20-55	25.49	25.49
75	2.45 x 2.20-55	25.49	25.49
76	2.45 x 2.20-55	25.49	25.49
77	2.45 x 2.20-55	25.49	25.49
78	2.45 x 2.20-55	25.49	25.49
79	2.45 x 2.20-55	25.49	25.49
80	2.45 x 2.20-55	25.49	25.49
81	2.45 x 2.20-55	25.49	25.49
82	2.45 x 2.20-55	25.49	25.49
83	2.45 x 2.20-55	25.49	25.49
84	2.45 x 2.20-55	25.49	25.49
85	2.45 x 2.20-55	25.49	25.49
86	2.45 x 2.20-55	25.49	25.49
87	2.45 x 2.20-55	25.49	25.49
88	2.45 x 2.20-55	25.49	25.49
89	2.45 x 2.20-55	25.49	25.49
90	2.45 x 2.20-55	25.49	25.49
91	2.45 x 2.20-55	25.49	25.49
92	2.45 x 2.20-55	25.49	25.49
93	2.45 x 2.20-55	25.49	25.49
94	2.45 x 2.20-55	25.49	25.49
95	2.45 x 2.20-55	25.49	25.49
96	2.45 x 2.20-55	25.49	25.49
97	2.45 x 2.20-55	25.49	25.49
98	2.45 x 2.20-55	25.49	25.49
99	2.45 x 2.20-55	25.49	25.49
100	2.45 x 2.20-55	25.49	25.49
101	2.45 x 2.20-55	25.49	25.49
102	2.45 x 2.20-55	25.49	25.49
103	2.45 x 2.20-55	25.49	25.49
104	2.45 x 2.20-55	25.49	25.49
105	2.45 x 2.20-55	25.49	25.49
106	2.45 x 2.20-55	25.49	25.49
107	2.45 x 2.20-55	25.49	25.49
108	2.45 x 2.20-55	25.49	25.49
109	2.45 x 2.20-55	25.49	25.49
110	2.45 x 2.20-55	25.49	25.49
111	2.45 x 2.20-55	25.49	25.49
112	2.45 x 2.20-55	25.49	25.49
113	2.45 x 2.20-55	25.49	25.49
114	2.45 x 2.20-55	25.49	25.49

