

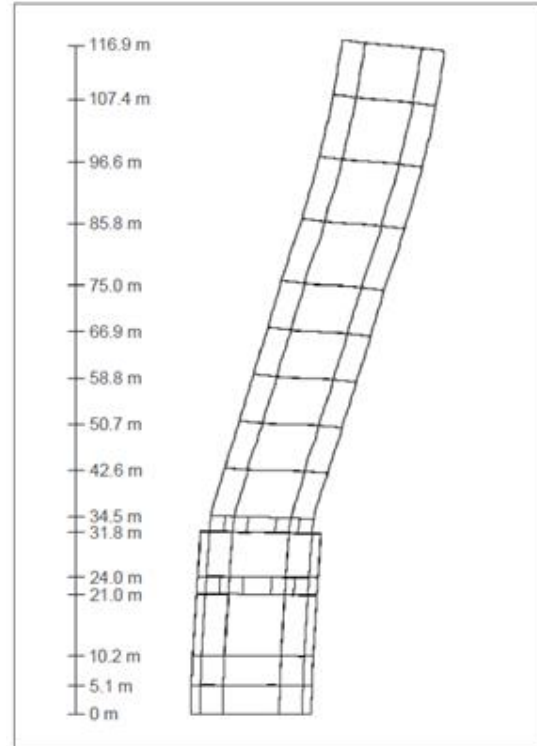
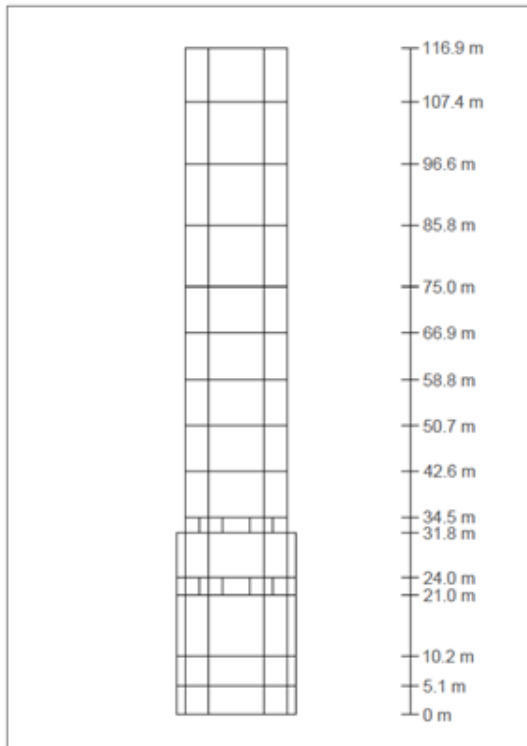
BASÍLICA DO DIVINO PAI ETERNO

CAMPANÁRIO

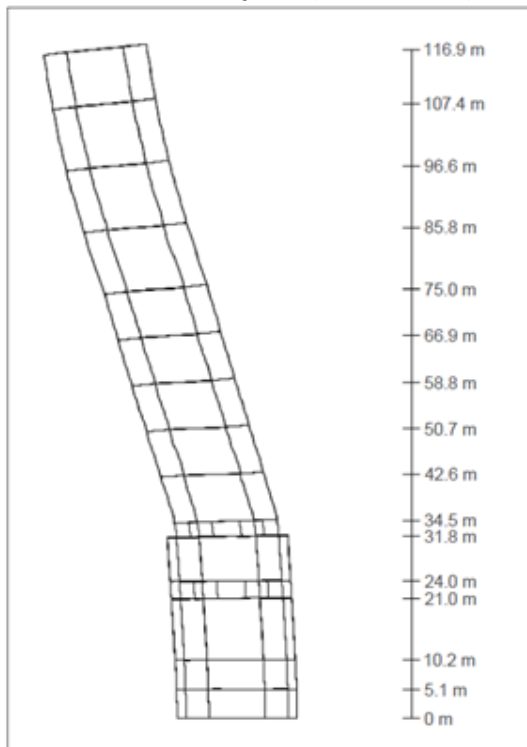
Modos de vibração da estrutura:

Nível (m)	Δz (m)	Massa (KN.s ² /m)	Modo 1		Modo 2		Modo 3
			f= 0.4589 Hz		f= 0.4590 Hz		f= 0.7913 Hz
			δx	δy	δx	δy	R3
116.9	9.5	874.95	0	1.00	1.00	0.00	1.00
107.4	10.8	1042.83	0	0.94	0.94	0.00	0.97
96.6	10.8	1143.62	0	0.84	0.84	0.00	0.90
85.8	10.8	1522.77	0	0.72	0.72	0.00	0.79
75.0	8.1	1092.13	0	0.58	0.58	0.00	0.65
66.9	8.1	1412.09	0	0.48	0.48	0.00	0.56
58.8	8.1	1381.79	0	0.39	0.39	0.00	0.46
50.7	8.1	1453.09	0	0.29	0.29	0.00	0.35
42.6	8.1	958.80	0	0.18	0.18	0.00	0.22
34.5	2.7	321.86	0	0.09	0.09	0.00	0.11
31.8	7.8	2238.54	0	0.07	0.07	0.00	0.08
24.0	3.0	1747.16	0	0.05	0.05	0.00	0.05
21.0	10.8	1638.76	0	0.04	0.04	0.00	0.05
10.2	5.1	2696.28	0	0.01	0.01	0.00	0.01
5.1	5.1	2222.60	0	0.00	0.00	0.00	0.00

Modo de vibração 1 ($f= 0.4589$ Hz)



Modo de vibração 2 ($f= 0.4590$ Hz)



Modo de vibração 3 ($f= 0.7913$ Hz)

