ASOMENORES TURBACO-DORMITORIOS-1
ANALISIS MODAL

CENTROS DE MASA Y CENTROS DE RIGIDEZ

Story	Diaphragm	MassX	MassY	XCM	YCM	CumMassX	CumMassY	XCCM	YCCM	XCR	YCR		
4	D1	37.0293	37.0293	3.311	-3.825	37.0293	37.0293	3.311	-3.825	4.86	1.309		
3	D1	32.2274	32.2274	3.882	-0.453	69.2567	69.2567	3.577	-2.256	4.972	1.274		
2	D1	36.2942	36.2942	4.086	0.197	105.5509	105.5509	3.752	-1.413	5.716	0.704		

PARTICIPACION MODAL

Mode	Period	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ	SumRX	SumRY	SumRZ
1	0.10433	34.4691	21.3074	0	34.4691	21.3074	0	27.345	47.3617	21.9229	27.345	47.3617	21.9229
2	0.096594	23.6666	54.8046	0	58.1357	76.112	0	67.7732	30.4719	0.8975	95.1182	77.8336	22.8204
3	0.087439	17.6919	3.1605	0	75.8276	79.2725	0	4.054	20.4026	54.4029	99.1722	98.2362	77.2233
4	0.030099	0	17.3202	0	75.8276	96.5927	0	0.6062	0.0304	1.0012	99.7785	98.2666	78.2245
5	0.027846	18.3265	0.5067	0	94.1541	97.0994	0	0.0905	1.3028	4.2298	99.8689	99.5693	82.4544
6	0.026504	3.1648	1.0346	0	97.3189	98.134	0	0.0589	0.2634	15.7088	99.9278	99.8327	98.1631
7	0.016418	0.1186	1.7772	0	97.4375	99.9112	0	0.07	0.0088	0.0731	99.9978	99.8416	98.2363
8	0.014655	2.4859	0.0378	0	99.9234	99.949	0	0.0018	0.156	0.0832	99.9995	99.9976	98.3194
9	0.013832	0.0627	0.0378	0	99.9861	99.9868	0	0	0.0014	1.6716	99.9995	99.999	99.9911
10	0.009156	0.0038	0.0046	0	99.9899	99.9914	0	0.0002	0.0003	0.0015	99.9998	99.9993	99.9925
11	0.009064	0.0069	0.008	0	99.9968	99.9994	0	0.0001	0.0004	0.005	99.9999	99.9997	99.9975
12	0.008443	0.0001	0.0001	0	99.9969	99.9995	0	0.0001	0.0001	0.0001	100	99.9998	99.9976
13	0.006071	0.0016	0	0	99.9984	99.9995	0	0	0.0001	0.0014	100	99.9999	99.999
14	0.005469	0.0002	0	0	99.9986	99.9995	0	0	0	0.0001	100	99.9999	99.9991
15	0.005465	0.0001	0	0	99.9987	99.9995	0	0	0	0	100	99.9999	99.9992

REACCIONES ESPECTRALES EN LA BASE

Spec	Mode	Dir	F1	F2	F3	M1	M2	M3
SX	1	U1	180.9	-142.2	0	1194.609	1572.175	-110.872
SX	2	U1	124.2	189.01	0	-1558.363	1044.935	830.88
SX	3	U1	92.85	-39.24	0	329.536	739.268	-741.108
SX	4	U1	0	-0.05	0	0.064	0.014	-0.18
SX	5	U1	96.18	-15.99	0	50.102	190.128	-496.884
SX	6	U1	16.61	9.5	0	-16.794	35.526	101.167
SX	7	U1	0.62	-2.41	0	3.544	1.258	-12.333
SX	8	U1	13.05	1.61	0	-2.567	24.233	13.785
SX	9	U1	0.33	-0.26	0	-0.055	0.369	2.582
SX	10	U1	0.02	0.02	0	-0.038	0.042	1.973
SX	11	U1	0.04	0.04	0	-0.035	0.063	-0.446
SX	12	U1	0	0	0	-0.003	0.003	0.234
SX	13	U1	0.01	0	0	-0.001	0.016	-1.092
SX	14	U1	0	0	0	0	0.003	0.251
SX	15	U1	0	0	0	0	0.001	-0.079
SX	All	All	342.62	138.38	0	1143.037	2749.875	857.932
SY	1	U2	-142.23	111.82	0	-939.239	-1236.093	87.171
SY	2	U2	189.01	287.62	0	-2371.426	1590.121	1264.384
SY	3	U2	-39.24	16.59	0	-139.281	-312.458	313.236
SY	4	U2	-0.05	90.9	0	-126.088	-28.213	355.88
SY	5	U2	-15.99	2.66	0	-8.331	-31.613	82.617
SY	6	U2	9.5	5.43	0	-9.602	20.312	57.843
SY	7	U2	-2.41	9.33	0	-13.72	-4.872	47.749
SY	8	U2	1.61	0.2	0	-0.316	2.987	1.699
SY	9	U2	-0.26	0.2	0	0.043	-0.287	-2.007
SY	10	U2	0.02	0.02	0	-0.042	0.046	2.172
SY	11	U2	0.04	0.04	0	-0.038	0.067	-0.481
SY	12	U2	0	0	0	-0.002	0.003	0.187
SY	13	U2	0	0	0	0	0	-0.015
SY	14	U2	0	0	0	0	0.001	0.062
SY	15	U2	0	0	0	0	0	-0.031
SY	All	All	138.38	388.71	0	3120.312	1174.587	1569.266

ASOMENORES TURBACO-DORMITORIOS-1
ANALISIS MODAL

CORTANTES DE PISO													
Story	**Load**	**Loc**	**P**	**VX**	**VY**	**T**	**MX**	**MY**					
4	SXC MAX	Top	0	311.71	120.11	2720.496	0	0					
4	SXC MAX	Bottom	0	311.71	120.11	2720.496	402.38	1044.237					
4	SXC MIN	Top	0	-311.7	-120.11	-2720.496	0	0					
4	SXC MIN	Bottom	0	-311.7	-120.11	-2720.496	-402.38	-1044.237					
4	SYC MAX	Top	0	113.99	298.92	1910.731	0	0					
4	SYC MAX	Bottom	0	113.99	298.92	1910.731	1001.394	381.859					
4	SYC MIN	Top	0	-114	-298.92	-1910.731	0	0					
4	SYC MIN	Bottom	0	-114	-298.92	-1910.731	-1001.394	-381.859					
3	SXC MAX	Top	0	455.28	188.2	4010.341	402.38	1044.237					
3	SXC MAX	Bottom	0	455.28	188.2	4010.341	1031.47	2528.224					
3	SXC MIN	Top	0	-455.3	-188.2	-4010.341	-402.38	-1044.237					
3	SXC MIN	Bottom	0	-455.3	-188.2	-4010.341	-1031.47	-2528.224					
3	SYC MAX	Top	0	170.5	452.29	2832.021	1001.394	381.859					
3	SYC MAX	Bottom	0	170.5	452.29	2832.021	2489.877	951.705					
3	SYC MIN	Top	0	-170.5	-452.29	-2832.021	-1001.394	-381.859					
3	SYC MIN	Bottom	0	-170.5	-452.29	-2832.021	-2489.877	-951.705					
2	SXC MAX	Top	0	541.34	218.65	4773.609	1031.47	2528.224					
2	SXC MAX	Bottom	0	541.34	218.65	4773.609	1805.998	4344.801					
2	SXC MIN	Top	0	-541.3	-218.65	-4773.609	-1031.47	-2528.224					
2	SXC MIN	Bottom	0	-541.3	-218.65	-4773.609	-1805.998	-4344.801					
2	SYC MAX	Top	0	192.35	540.31	3391.057	2489.877	951.705					
2	SYC MAX	Bottom	0	192.35	540.31	3391.057	4337.233	1632.675					
2	SYC MIN	Top	0	-192.4	-540.31	-3391.057	-2489.877	-951.705					
2	SYC MIN	Bottom	0	-192.4	-540.31	-3391.057	-4337.233	-1632.675					