

Company: Company

Project: IE HECTOR MANUEL VIDES BALLESTEROS (MÓDULO 7)

File: C:\IE REGIDOR\MOD7.rcb

Engineer: Name

9:55:10 a. m. 27/06/2025

MODE - FREQUENCY ANALYSIS

Mass Matrix Combination (Weight / g)

M = (D0 + DL) / g

Total Building Weight: 35.92 ton

Modal Information: frequency, period, participation factors & generalized mass

Mode No	Frequency Hz	Period sec	== X-Direction ==		== Y-Direction ==		== Z-Direction ==	
			Part.Fac	GenMass*	Part.Fac	GenMass*	Part.Fac	GenMass*
1	3.31	0.3020	0.00	0.01	0.19	1.02	0.00	0.00
2	3.43	0.2920	0.19	1.00	0.00	0.00	0.00	0.00
3	6.61	0.1510	0.00	1.38	-0.04	1.55	0.00	0.00

* : ton-sec²/m

Effective Weight and Participating Mass

Mode No	X - Direction			Y - Direction			Z - Direction		
	Weff*	%Mass	[%-Sum]	Weff*	%Mass	[%-Sum]	Weff*	%Mass	[%-Sum]
1	0.00	0.00	[0.0]	34.00	94.66	[94.7]	0.00	0.00	[0.0]
2	35.92	99.99	[100.0]	0.00	0.00	[94.7]	0.00	0.00	[0.0]
3	0.00	0.00	[100.0]	0.80	2.23	[96.9]	0.00	0.00	[0.0]

* : ton