

Company: Company

Project: IE HECTOR MANUEL VIDES BALLESTEROS (MÓDULO 3)

File: C:\IE REGIDOR\MOD3.rcb

Engineer: Name

5:09:10 p. m. 26/06/2025

MODE - FREQUENCY ANALYSIS

Mass Matrix Combination (Weight / g)

M = (D0 + DL) / g

Total Building Weight: 138.31 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	3.44	0.2910	-0.38	1.00	0.00	0.00	0.00	0.00
2	4.71	0.2120	0.00	0.00	-0.38	1.00	0.00	0.00
3	8.79	0.1140	0.01	0.74	0.00	2.26	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	138.26	99.96	[100.0]	0.00	0.00	[0.0]	0.00	0.00	[0.0]
2	0.00	0.00	[100.0]	138.29	99.98	[100.0]	0.00	0.00	[0.0]
3	0.05	0.04	[100.0]	0.00	0.00	[100.0]	0.00	0.00	[0.0]

* : ton