

Company: Company
Project: IE HECTOR MANUEL VIDES BALLESTEROS (MÓDULO 9)
File: C:\IE REGIDOR\MOD9.rcb

Engineer: Name
10:31:19 a. m. 27/06/2025

MODE - FREQUENCY ANALYSIS

Mass Matrix Combination (Weight / g)

M = (D0 + DL) / g

Total Building Weight: 52.07 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	5.00	0.2000	-0.23	0.99	0.02	0.01	0.00	0.00
2	5.23	0.1910	-0.02	0.01	-0.23	0.99	0.00	0.00
3	9.13	0.1100	0.02	0.92	-0.01	2.06	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	51.68	99.26	[99.3]	0.00	0.00	[0.0]	0.00	0.00	[0.0]
2	0.00	0.00	[99.3]	51.91	99.70	[99.7]	0.00	0.00	[0.0]
3	0.38	0.74	[100.0]	0.05	0.10	[99.8]	0.00	0.00	[0.0]

* : ton