

Company: Company
Project: IE HECTOR MANUEL VIDES BALLESTEROS (MÓDULO 1)
File: C:\IE REGIDOR\MOD1.rcb

Engineer: Name
4:47:35 p. m. 26/06/2025

MODE - FREQUENCY ANALYSIS

Mass Matrix Combination (Weight / g)

M = (D0 + DL) / g

Total Building Weight: 244.42 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	4.26	0.2350	0.00	0.00	0.50	1.02	0.00	0.00
2	5.71	0.1750	-0.50	1.00	0.00	0.00	0.00	0.00
3	8.06	0.1240	0.01	0.33	-0.06	2.64	0.00	0.00

* : ton-sec²/m

Effective Weight and Participating Mass

Mode No	X - D i r e c t i o n			Y - D i r e c t i o n			Z - D i r e c t i o n		
	Weff*	%Mass	[%-Sum]	Weff*	%Mass	[%-Sum]	Weff*	%Mass	[%-Sum]
1	0.00	0.00	[0.0]	236.20	96.64	[96.6]	0.00	0.00	[0.0]
2	244.18	99.90	[99.9]	0.00	0.00	[96.6]	0.00	0.00	[0.0]
3	0.24	0.10	[100.0]	1.19	0.49	[97.1]	0.00	0.00	[0.0]

* : ton