Company: Company Engineer: Name
Project: IE HECTOR MANUEL VIDES BALLESTEROS (MÓDULO 8) 10:12:58 a. m. 27/06/2025
File: C:\IE REGIDOR\MOD8.rcb

MODE - FREQUENCY ANALYSIS

Mass Matrix Combination (Weight / g)

M = (D0 + DL) / g

Total Building Weight: 52.85 ton

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

Mode No	Frequency Hz	Period sec	== X-Direction === Part.Fac	GenMass*	== Y-Direction === Part.Fac	GenMass*	== Z-Direction === Part.Fac	GenMass*
1	4.70	0.2130	0.00	0.01	-0.23	1.01	0.00	0.00
2	4.78	0.2090	-0.23	1.00	0.00	0.00	0.00	0.00
3	8.77	0.1140	0.00	0.93	0.02	2.06	0.00	0.00

* : ton-sec²/m

Effective Weight and Participating Mass

Mode No	X - D i r e c t i o n Weff*	%Mass	[%-Sum]	Y - D i r e c t i o n Weff*	%Mass	[%-Sum]	Z - D i r e c t i o n Weff*	%Mass	[%-Sum]
1	0.00	0.00	[0.0]	52.12	98.62	[98.6]	0.00	0.00	[0.0]
2	52.84	99.99	[100.0]	0.00	0.00	[98.6]	0.00	0.00	[0.0]
3	0.00	0.00	[100.0]	0.17	0.32	[98.9]	0.00	0.00	[0.0]

* : ton