Company: Company Engineer: Name
Project: IE HECTOR MANUEL VIDES BALLESTEROS (MÓDULO 2) 5:00:00 p. m. 26/06/2025
File: C:\IE REGIDOR\MOD2.rcb

MODE - FREQUENCY ANALYSIS

Mass Matrix Combination (Weight / g)

M = (D0 + DL) / g

Total Building Weight: 182.02 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	3.38	0.2960	-0.43	1.00	0.00	0.00	0.00	0.00
2	4.59	0.2180	0.00	0.00	-0.43	1.00	0.00	0.00
3	8.65	0.1160	0.01	0.49	0.00	2.51	0.00	0.00

* : ton-sec²/m

Effective Weight and Participating Mass

Mode No	X - Direction Weff*	%Mass	[%-Sum]	Y - Direction Weff*	%Mass	[%-Sum]	Z - Direction Weff*	%Mass	[%-Sum]
1	181.95	99.96	[100.0]	0.00	0.00	[0.0]	0.00	0.00	[0.0]
2	0.00	0.00	[100.0]	181.99	99.98	[100.0]	0.00	0.00	[0.0]
3	0.07	0.04	[100.0]	0.00	0.00	[100.0]	0.00	0.00	[0.0]

* : ton