Company: Company Engineer: Name
Project: IE HECTOR MANUEL VIDES BALLESTEROS (MÓDULO 5) 9:32:48 a. m. 27/06/2025
File: C:\IE REGIDOR\MOD5.rcb

MODE - FREQUENCY ANALYSIS

Mass Matrix Combination (Weight / g)

M = (D0 + DL) / g

Total Building Weight: 373.25 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	4.89	0.2050	-0.62	1.00	0.00	0.00	0.00	0.00
2	6.02	0.1660	0.00	0.00	0.62	1.01	0.00	0.00
3	11.27	0.0890	-0.01	0.16	-0.03	2.83	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	372.84	99.89	[99.9]	0.00	0.00	[0.0]	0.00	0.00	[0.0]
2	0.00	0.00	[99.9]	370.31	99.21	[99.2]	0.00	0.00	[0.0]
3	0.41	0.11	[100.0]	0.36	0.10	[99.3]	0.00	0.00	[0.0]

* : ton