Company: PDelta Ingenieria Estructural S.A.S **Engineer: Ing. Osvaldo Guzman A**
Project: P046-2024 - PLAZA DOÑA CEIBA (LOCALES) **5:47:48 p. m. 26/06/2024**
File: C:\Users\USER\OneDrive\PROYECTOS 2024\PROYECTO P-EXTERNOS\P046-2024- PLAZA DOÑA CEIBA- CICUCO\Mode

MODE - FREQUENCY ANALYSIS

Mass Matrix Combination (Weight / g)

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M = ( D0 + DL ) / g

Total Building Weight: 10.56 ton
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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	6.95	0.1440	0.10	1.00	0.00	0.00	0.00	0.00
2	7.53	0.1330	0.00	0.00	0.10	1.00	0.00	0.00
3	15.33	0.0650	0.00	1.10	0.00	1.90	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	10.56	99.98	[100.0]	0.00	0.00	[0.0]	0.00	0.00	[0.0]
2	0.00	0.00	[100.0]	10.56	99.98	[100.0]	0.00	0.00	[0.0]
3	0.00	0.00	[100.0]	0.00	0.00	[100.0]	0.00	0.00	[0.0]

* : ton