

Lagoon Flats

Residential Building | 2025



CLIENT

Vieques 1110 Partners, LLC

LOCATION

1081 Calle Vieques, San Juan, PR 00907, United States

INDUSTRY

Real Estate and Insurance

SERVICE

Structural Dynamic Analysis

IMPACT

Identified differences in how the building’s areas responded, helping the project team focus its evaluation of nearby construction effects.

CHALLENGE

The ten-story building beside the Acuarela construction site showed coupled modes and differing response across its wings, with south-wing access limits.

STRAAM APPROACH

STRAAM established the dynamic signature and assessed global modes, localized wing behavior, and response with access limited in the south wing.

RESULT

The building responded differently by direction and across its wings. Restricted access in the south wing limited what could be evaluated.