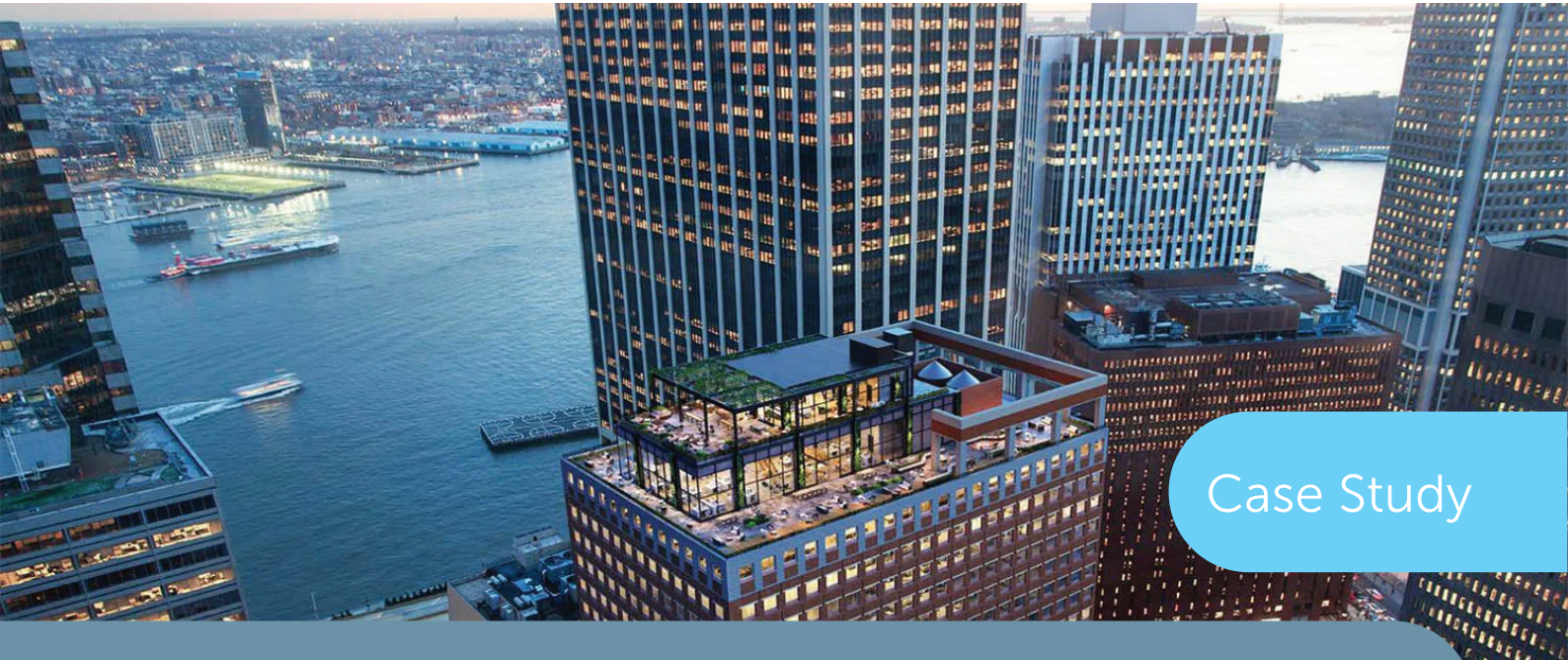


# 100 Pearl Street Squash Court

## New York City, US



## Case Study



### Property Owner

Open Squash



### Main Contractor

Benchmark Builders



### Acoustic Consultant

Longman Lindsey



### Architect

TPG Architecture



### Structural Engineer

GMS

## OVERVIEW

Nestled in the vibrant heart of Manhattan's financial district, Open Squash is more than just a community squash court facility – it's a haven of social and recreational opportunities enriching lower Manhattan.

Open Squash features an impressive space with 24-foot ceilings, providing an expansive and energizing atmosphere. The facility houses eight top-of-the-line squash courts, offering players of all levels an exciting and competitive experience.

Situated on the 14th floor amidst bustling commercial tenants, Open Squash takes pride in its commitment to preserving the tranquility of its neighbors through state-of-the-art sound and vibration isolation solutions.

## Stravifloor Deck, Stravilink WallFix

- High-performance low-profile deck floor system with high bending stiffness for light concrete constructions allowing for large support spans (Stravifloor Deck)
- Spring isolation hangers designed to support suspended ceilings, lighting rigs, pipework, and HVAC units and isolate them from the main building structure. (Stravilink WallFix)



## SOLUTION

CDM Stravitec has successfully provided and installed a tailor-made [Stravifloor Deck](#) system for eight squash courts, carefully considering the challenging perimeter loading arising from sand-filled and glass walls.

The Stravifloor Deck concrete floating slab, incorporating punctual bearings, proprietary channels, and a dovetail metal deck, was skillfully implemented to support and decouple the squash courts from their surroundings. This innovative design guarantees enhanced stability and performance, providing players with an exceptional squash-playing experience.

The installation involved using Grayfox Flooring and a specially customized blend of natural rubber and polyurethane isolation materials. [Stravilink WallFix](#) isolators were used for efficient top and bottom wall isolation support, as well as lateral isolation for CourtTech's sand-filled walls.

## AT A GLANCE

### CHALLENGES

- Existing building presented logistical challenges
- Complex loading at room perimeter

### BENEFITS

- Ability to use isolation materials of various heights as required by unique challenges on site

6500 ft<sup>2</sup>

Stravifloor  
Deck

