



Concrete Protection & Restoration

Singer Island Hilton Hotel

Problem

This eight story hotel building is approximately twenty three years old. The building frame consists of post-tension concrete slabs supported by reinforced concrete columns. The main building has rectangular and curved shaped balconies on all four elevations. The balcony slabs are approximately 5 1/2" thick and have embedded aluminum handrail posts near the edges. The top portion of the balcony slabs and balcony slab edges have a urethane coating with aggregate. There was damaged balcony slabs on all elevations, east, north, south, and west elevation tiers.

Solution

- ◇ Full depth and partial depth surface concrete repairs
- ◇ Reinforcing steel repair and slab edge repair
- ◇ Post-tension cables and anchors repairs as well as replacement of severely corroded tendons with new 1/2" diameter tendons.
- ◇ Post-tension anchors coating and replacement with new epoxy coated anchors
- ◇ Handrail post repairs and coating of balcony slab surfaces

Location

Singer Island, Florida

Project Size

\$900,000.00

Owner

Host Hotels & Resorts, Inc.

Engineer

Tadger-Cohen-Edelson Associates, Inc.



Concrete Protection & Restoration

Saving the life of concrete!

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