

BOCA CHITA LIGHTHOUSE MIAMI, FL

LOCATION:

Miami, FL

CLIENT:

National Park Service

PROJECT SIZE:

\$1,022,423

DATES OF PERFORMANCE:

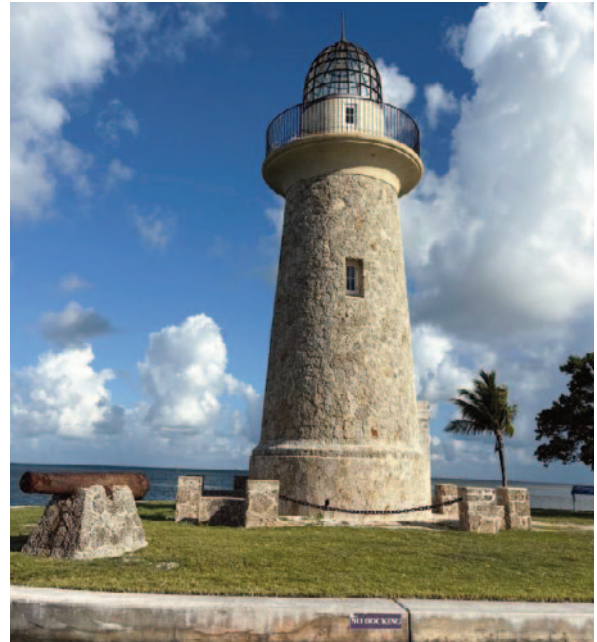
01/20/25 – 05/01/25

ROLE:

Specialty Contractor

SCOPE OF WORK:

Restoration of historic coral stone veneer; installation of port anchors for enhanced structural stability; injection grouting and reinforcement of exterior masonry.



PROJECT SUMMARY

The Stone & Lime team focused on removing the existing steel reinforcements located within the structure and replacing it with stainless steel threaded rods to maintain the lighthouse's long-term integrity. Port anchors were installed to secure the limestone veneer to the bearing wall, while mechanical anchors were utilized to improve stability between the limestone veneer and the hollow cement block bearing wall. Injection grouting ensured cohesive and durable interaction between the veneer and backup walls, as well as reinforcing the composite behavior of the lighthouse's masonry.

HISTORIC CONTEXT

The Boca Chita Lighthouse is managed by the National Park Service as part of its overall portfolio of historic lighthouse structures nationwide. The lighthouse was built by Mark C. Honeywell of the Honeywell Corporation who owned the island from 1937 to 1945 to use as a navigational aid for his personal sailing expeditions. It features a tapered 65-foot beacon built from native coral rock and interior stairs designed to imitate medieval stone masonry. Stone & Lime has restored numerous other properties in the NPS network, including the Second Bank of the United States in Philadelphia, the Cape Lookout Lighthouse in Hawkers Island, NC, and Fort Jefferson at the Dry Tortugas National Park, among many others.

52 Allen Road
Brookfield, MA 01506



Office: 508-867-6100
www.stoneandlime.com

