

# ALINA Residences

## Boca Raton, Florida



STORIES BUILT



ALINA is a 590,000-square-foot condominium retreat featuring private residences, penthouses and villas overlooking the historic Boca Raton Resort and Club golf course and downtown Boca Raton. The landscape is tropical, the architecture flows along gardens, terraces and canopies, and the amenities are resort-style. Completed Jan. 31, 2020, the project is among the first luxury condo developments the city has seen in at least a decade.

The project broke ground March 2019, with Ceco providing full concrete frame services plus masonry and excavation. The scope of work included supplying and installing 27,500 cubic yards of concrete, 883,000

square feet of troweled areas and 170,000 masonry blocks. Ceco also provided value engineering and design-assist services, helping the owner and design team devise a solution to ensure the deep balconies had proper drainage. The Ceco team was heavily involved in the coordination of structural and architectural models.

Ceco used a flat plate structural system for the 9-story building. The flat plate system is the most economical choice for multi-unit residential work and accommodates bay sizes up to 30 x 30 feet. Formwork systems used included Ceco's CEFCO perimeter tables and Speed Deck.

### CHALLENGES

The site's soil was poisoned with arsenic from fertilizers used in the 1960s to maintain the golf course, which was built in the 1920s. As a result, careful coordination of excavation and foundation construction work was critical. The contaminated soil was stored in a separate area onsite and covered to prevent the wind from blowing it offsite. Foundation crews had to wash their hands and boots often.

Additionally, because the project followed a fast-track schedule, Ceco used two full crews to frame multiple areas simultaneously. This strategy enabled the team to accelerate work and complete the project in less than a year.

### FAST STATS

**Project Owner:** El Ad Group

**Contractor:** Moss Construction

**Designer/Architect:** Garcia Stromberg/GS4 Studios and McNamara Salvia

**Landscape Architect:** Paul Weinberg

**Ceco Scope:** Full concrete frame plus masonry; excavation

**Ceco Project Manager:** Miguel Morales

**Ceco Superintendent:** Magdaleno (Mario) Guzman

**Date Completed:** January 2020