

The Wave Hotel at Lake Nona Town Center

Orlando, Florida



STORIES BUILT



Located at the heart of the Lake Nona community in Orlando, Fla., the Lake Nona Town Center offers 4 million square feet of shopping, dining and entertainment, welcoming thousands of visitors each week. Phase I of the development included construction of an office building with ground-level restaurants, a dual-branded hotel and a parking garage defined by iconic art installations. The Phase II expansion creates 100 acres of an open-air social setting featuring a mix of shops and eateries. At the focal point of the expansion is The Wave Hotel.

The Wave Hotel is the tallest and most modern building for miles around, featuring 17 levels of luxury rooms and suites. It boasts more than 5,000 square feet of meeting and event space. The Ceko Tampa team provided turnkey concrete frame services, including tower crane services, excavation and foundations.



The project included constructing 17 levels of 8-inch post-tensioned (PT) flat slabs over a 56,000-square-foot PT amenity level with a 10- to 16-inch-thick PT slab. The amenity level is the first elevated slab, which was formed in seven pours and has a few large PT beams running through it. This level was constructed using Ceko's CEFCO scaffolding with preconstructed deck panels. The other levels are about 12,600 square feet and were formed in two pours using Ceko's truss table system, which enabled a six-day cycle. Ceko also used the CEFCO column-mounted forming system to construct a unique bridge feature that connects the east and west wings of the building. Again, this system helped the Ceko team maintain a six-day turnaround.

With large construction projects, there are always a few wrinkles along the way. For this project, the biggest challenge was the amount of design changes made throughout the project duration. Ceko worked closely with the general contractor, Balfour Beatty, to ensure the design changes did not slow progress. The building topped out July 2020 and was completed under budget and on time.

FAST STATS

Owner/Developer: Tavistock Development Co.

Contractor: Balfour Beatty

Engineer: Brockett/Davis/Drake Inc.

Designer/Architect: Arquitectonica

Ceco Scope: Concrete frame, including tower crane, excavation and foundations

Ceco Project Manager: Shawn Lewis

Ceco Superintendent: Rey Jarquin

Date Complete: August 2020