

# 17th & Grand

Nashville, Tennessee



STORIES BUILT



Located in Nashville's historic Music Row district, the 17th & Grand development provides commercial office space and much-needed parking for commuters. The 12-story building includes a rooftop terrace and seven levels of parking, including two subterranean parking levels.

Ceco provided formwork services for the structure's foundations, walls, columns and elevated slabs. The project scope also included installation of rebar, barrier cable and post-tensioning (PT) tendons, which Ceco self-performed. Being in control of both the formwork and rebar/PT scopes allowed the Ceco team to improve the coordination of concrete trades to maximize efficiency. For the general contractor, it eliminated the risk of scheduling conflicts between a formwork team and installation of rebar/PT by concrete-reinforcing ironworkers.



The building was constructed using a beam-and-slab concrete structural system. Formwork included the Ceco-owned HV system for slabs and beams. For areas with a 19-foot clear story height, the Ceco crew used HV Titan XL shores.

## TIME-SAVING MEASURES

The job was originally designed to have a pour strip at each level to control shrinkage and elastic shortening in slabs. However, the pour strips would have required backshoring work for six levels, which would have added time (and cost) to a project schedule that was already delayed during the COVID-19 pandemic. By specifying a shrinkage-compensating admixture in the concrete mixture, the construction team was able to eliminate the need for pour strips.

Ceco topped out two months ahead of schedule, thanks in part to self-performing rebar/PT installation and eliminating pour strips from the design.

## FAST STATS

**Project Owner:** Hall Emery

**General Contractor:** J.E. Dunn

**Designer/Architect:** Earl Swensson Associates (ESA)

**Structural Engineer:** Balata Structural Engineering

**Ceco Scope:** Formwork services, rebar/post-tensioning installation

**Ceco Project Manager:** Jacob Walker

**Ceco Superintendent:** Trevor McKnight

**Ceco Engineer:** Peter Windler

**Completed:** November 2021