

# Project Spotlight: 811 Main Street

## Houston, Texas

The 811 Main Street Tower and Garage is a 46-story signature office building in downtown Houston, Texas. Formerly called BG Group Place and MainPlace, the office sits on top of a 10-level parking garage. At Level 39, a sky garden is recessed into the building form, revealing planted terraces and a five-story crystalline atrium. There is also a garage rooftop garden on Level 11. By using wide module pan construction for the office tower, the Ceco team was able to create long slab spans, which enabled the flexible, open space needed for the office tower and sky garden. Ceco followed an 8-day floor cycle at the beginning of the project, but the team was able to improve that cycle to seven days per floor with overtime.

### PROJECT TYPE

Office Building 27,000 SF / Typical Level

### DESIGN LOADS

Additional DL = 7 PSF; LL = 70 PSF (Office Spaces)

### TYPICAL FLOOR MATERIAL QUANTITIES

- Slab Concrete: 952 CY, equivalent slab depth of **11.42"** (average)
- Slab Rebar: **8.77 lbs. / SF**
- Beams (only) PT: **0.59 lbs. / SF**

### TYPICAL FLOOR PLAN

Total depth 20" for pan joists and pan depth beams, plus deeper haunch wind girders

Bay Width - varied, with typical 30' Bays, Length - varied, 38.5'-46' Bays

Pan Size - 16" depth; 66" width; 4" thick top slab

### TYPICAL FLOOR CYCLE

7 Days (with overtime)

