



# Project Spotlight: Edinburg Regional Medical Center

## Edinburg, Texas

Ceco's wide-module, concrete pan construction system was an ideal choice to support the five-level patient tower's high loads. The longer spans provide greater load-carrying capacity as well as a stiffer floor system with better vibration characteristics. Reduced vibration and sound characteristics contribute to patient comfort. The structural design also allows the facility to be repurposed over time. The void areas are free of post-tensioning cables, enabling coring to take place for later modifications without problems. Partition walls can be adjusted, allowing for easy relocation of heavy imaging equipment. Each floor is 24,000 square feet, with typical story heights of 13 feet 6 inches.

### PROJECT TYPE

Office Building, 24,000 SF / Typical Level

### DESIGN LOADS

Additional DL = 15 PSF; LL = 40 PSF

### TYPICAL FLOOR PLAN

Total depth 22" for joists and most beams

Bay Width - 30' & 32' Bays, Length - 30' Bays

Pan Size - 16" depth; 66" & 53" wide; 6" thick slab

### TYPICAL FLOOR CYCLE

14 Days

### TYPICAL FLOOR MATERIAL QUANTITIES

- Slab Concrete: 805 CY, equivalent slab depth of **10.9"** (average)
- Slab Rebar: 92 TNS, equivalent **7.7 #** / SF

