

Edinburg Regional Medical Center

Edinburg, Texas



STORIES BUILT



To meet a need for expanded hospital services in South Texas, the Edinburg Regional Medical Center Additions and Renovation project adds a five-level, 59-bed patient tower to the hospital campus. The 140,000-square-foot tower features an enhanced emergency room, intensive care unit, inpatient rehabilitation floor and rehab gym, and an imaging suite for MRIs, ultrasounds and mammograms. The project also allows for future expansion, including shell space for 55 additional beds.

The project broke ground December 2020, with Ceko Concrete coming on board May 2021 to provide full formwork decks and vertical forming for columns. Formwork systems used include the Ceko HV shoring system and Ceko wide-module flangeforms as well as ganged column forms.

A wide-module, concrete pan construction system was chosen as the tower's structural design, which is an ideal choice to support the higher loads of hospital facilities. The longer spans of the wide-module pan system 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.

The Ceko team used 16-foot-deep by 66-inch-wide flangeform pans for each of the five elevated levels to construct 30x32-foot bays. Each floor is 24,000 square feet, with typical story heights of 13 feet 6 inches.

REMOTE LOCATION

The hospital campus is located in the Rio Grande Valley, close to the Mexican border. As is typical of projects in less populated areas, Ceko's field operations team faced manpower challenges. Aided by experienced tradespeople who traveled for the project, the Ceko field team was able to maintain the project schedule and finish on time.

"We would like to thank Ceko Concrete for their amazing performance and quality," said general contractor Robins & Morton's Lead Project Superintendent Dusty Gallas and Project Manager Jeremiah Lagalo in a recognition letter. "Ceko shortened our original concrete duration and fought through an abnormal amount of rainfall to deliver the structure on time. It would be our pleasure to work with Ceko again, and we look forward to the experience."

The Ceko team for this project, which Gallas and Lagalo dubbed the "A team," included General Superintendent Mike Schautteet and Regional Safety Manager David Harris. (See Fast Stats for other key team members.)

The Ceko team topped out August 2021 and finished all work by the end of September.

FAST STATS

- Project Owner:** McAllen Hospitals LP
- General Contractor:** Robins & Morton Group
- Designer/Architect:** Gresham, Smith & Partners
- Structural Engineer:** Gresham, Smith & Partners
- Ceko Scope:** Deck and column formwork
- Ceko Project Manager:** Kenneth Mack
- Ceko Superintendent:** Francisco Urrutia
- Ceko Engineers:** Floyd Golding (engineer), Vicente Casas (detailer)
- Completed:** September 22, 2021