Project Spotlight: American Airlines Trinity Complex (Skyview 8)

Fort Worth, Texas

Ceco specially designed and fabricated extra-wide-module longform pans the four office buildings at American Airline's corporate campus. The one-way joist system offers greater spans, without vibration, that support the project's heavier office design loads while providing design flexibility for floor space utilization. The structural braced frame was designed to reduce the number of shear walls needed to provide lateral support.

PROJECT TYPE

Office Building 37,000 SF / Typical Level

DESIGN LOADS

Additional DL = 20 PSF; LL = 80 PSF

TYPICAL FLOOR MATERIAL QUANTITIES

- Slab Concrete: 1123 CY, equivalent slab depth of **9.83**" (average)
- Slab Rebar: 129.5 TNS, equivalent **7.0** # / SF
- Beams (only) PT: 36,000 lbs., equivalent **1.0** # / SF

TYPICAL FLOOR PLAN

Total depth 21" for joists and most beams

Bay Width - Varied with typical 30' Bays, Length 46' 5" Bays

Pan Size - 16" depth; 99" and 112" width; 5" thick slab

TYPICAL FLOOR CYCLE

10 Days