

FedEx O'Hare Metroplex Project

Chicago, Illinois

Owner

O'Hare Modernization Program

Client/Architect

Solomon Cordwell Buenz &
Associates, Inc.

Contractor

Power Construction

Completion Date

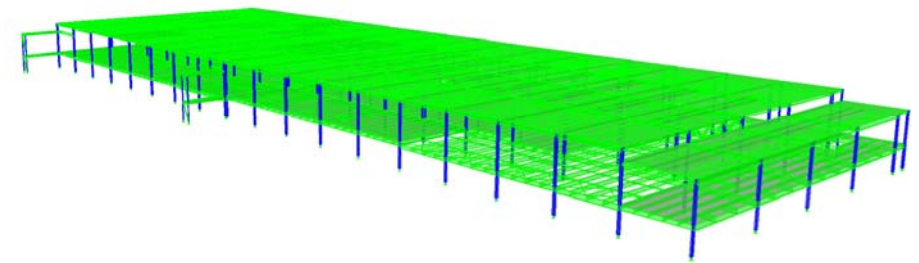
2011

Construction Cost

\$125 million

Total Area

343,000 sf



Thornton Tomasetti provided structural engineering services for the construction of a new LEED Silver cargo building and ancillary facilities to accommodate the relocation of existing FedEx Metroplex operations at O'Hare International Airport.

The 343,000-square-foot structural steel cargo building has a vegetated roof, includes a mezzanine for support functions, and contains a 175,000-square-foot automated material handling system. Support buildings include an administrative center, pedestrian bridge link, maintenance building, generator enclosure and guard kiosk facilities constructed of structural steel and supported on shallow foundations.

The exterior skin is curtain wall at the administrative center and pedestrian bridge, and precast at the cargo building and remaining buildings. The administrative center and pedestrian link feature architecturally exposed structural steel. A 544-linear-foot monorail system is included in the cargo building.

Thornton Tomasetti