

Reva and David **Logan** Center for the Arts

Sean Kim | Lighting/Electrical option

Project Team

Owner | University of Chicago

Design Architect | Tod Williams Billie Tsien Architects LLP

MEP Engineer | Ambrosino Depinto & Schmieder
Consulting Engineers

Structural Engineer | Severud Associates

Lighting Design | Renfro Design Group

CM | Turner Construction LLC

Building Statics

Location | 915 E 60th St. Chicago, IL 60637

Function Type | Multidisciplinary Arts Center

Size | 184,000 SF

Story | 11 story tower with 3 story adjacent building

Construction Dates | June 2010 – October 2012

Cost | \$114,000,000 (overall cost)

Architectural

- Inspired by “flat prairies of the Midwest and the great towers of Chicago”
- 170 foot height tower with open air terraces and Rooftop decks
- Light filled glass with lime stone
- Saw tooth skylight roof
- Solar panels roof
- Green roof system of the Auditorium
- Exterior insulation and finish system

Lighting/Electrical

- Building Service system 277/480 volts 3 phase 4 wire wye
- 600KW Diesel engine generator
- Incandescent 120 volts, and 277 volt for fluorescent and HID single phase 2 wire
- Passive Infrared occupancy sensor with time delay.
- Line-voltage controlled motorized window shades
- “LUTRON” lighting control system

Structural

- 12” thick Cast-In-Place Concrete flat slab
- Light weight concrete on composite metal deck
- W14 x 22 and W16 x 31 for typical Beam with W21 x 50 for typical girders
- Fully grouted CMU wall with #6@16” O.C. vertical for sound isolation
- HSS6 x 6x 1/4 for Diagonal braced lateral framing

Mechanical

- (6) AHU’s for adjacent building, (3) AHU’s for tower, and (2) AHU’s for Auditorium
- Variable Air Volume box system.
- (1) Air-Cooled Chiller system to serve theaters
- (2) Hot-water pump at 125 psi, and (6) Chilled –water pump at 125 psi
- (1) Air compressor located at main mechanical room.

