

# Erie Convention Center and Sheraton Hotel

## Erie, Pennsylvania



### The Project Team:

**Owner:** Erie Convention Center Authority

**Architects:** DRS Architects

**General Contractor:** Barton Malow

**MEP Engineers:** Karpinski Engineering

**Structural Engineers:** Atlantic Engineering Services

### Building Statistics:

**Size:** 132,000 sq. ft.

11 Stories

200 Guest rooms

**Construction Dates:** Spring 2006-2007

**Project Delivery Method:** Design-Bid-Build

**Cost:** \$62 million

(including Bayfront Convention Center)

### Structural:

- Caissons, piers, and grade beam foundation
- Steel structure with 8" pre-cast concrete plank paneled floors
- Cross-braced lateral system

### Architecture:

- Keeps views of Presque Isle Bay
- Based on Sheraton's signature "low-rise Soho" prototype, adapted to a high-rise expression
- Exterior materials: pre-cast concrete base, copper cladding, green tinted glazing, panelized EIFS wall system, and red brick
- Pedestrian bridge connection to Bayfront Convention Center from 5th floor

### Electrical:

- 277/480 3 phase, 4 wire, utility distribution voltage
- 120/208 3 phase, 4 wire, building distribution voltage
- 500 kW diesel generator for emergency backup

### Lighting:

- 8" diameter triple tube compact fluorescent down-lights
- Wall sconces
- Cold cathode recessed horizontal mounted cove fixtures

### Mechanical:

- CAV air system
- FCU's for additional loads in multi-use areas
- Radiant floor entry
- Hotel rooms have individual air conditioning units

Caitlin Ferrell



Structural Option



Penn State University