



# Jessel Elliott

## Structural Option

# Bedtower Addition at Appleton Medical Center

1818 North Meade Street  
Appleton, WI 54911

### Architecture

- Triangular shape brings a unique form to the overall building layout
- Exterior made of limestone and cast stone bricks which help separate space
- Large clear windows on the first floor allow natural daylight while tinted windows in the patient rooms make the rooms cooler and dimmer



### MEP

#### **Mechanical:**

- VAV Box with Reheat Control set to a 75° controlled temperature throughout the building
- Continuous AHU's serving all floors with interlock operation of supply and return fans

#### **Electrical:**

- Main power by 480/277V 3 Phase 60 Hz 1200 A
- Other power by 120/208V 3 Phase 60 Hz 100 A
- Majority of equipment located in penthouse

### General Information

<b>Owner:</b>	Appleton Medical Center
<b>Occupancy:</b>	Hospital
<b>Size:</b>	152,330 Sq. Ft
<b>Height:</b>	107' - 3"
<b>Construction Date:</b>	June 2008 - January 2011
<b>Cost:</b>	\$59,100,00
<b>Project Delivery:</b>	Integrated Project Delivery

### Project Team

<b>Construction:</b>	The Boldt Company
<b>Civil:</b>	McMahon Associates
<b>Architect:</b>	Hammel, Green and Abrahamson
<b>Structural:</b>	Hammel, Green and Abrahamson
<b>Mechanical:</b>	Tweet/Garot Mechanical
<b>Electrical:</b>	Excellence Electric
<b>Fire Protection:</b>	J. F. Ahern Co.

### Structure

- 3'-6" mat slab foundation with piers
- 9 braced frames to assist in transferring lateral loads to the foundation
- Composite system throughout the entire building consisting of mostly normal weight concrete on metal decking