

# ORANGE REGIONAL MEDICAL CENTER



Middletown, NY

*Ryan Blatz - Structural*



## *Architecture*

- ◊ Pod construction, leaving voids for future additions
- ◊ Patient rooms comparable to hotel rooms
- ◊ Brick façade with removable full glass windows

## *General Information*

- ◊ Owner: Orange Regional Medical Center
- ◊ Building Type: Hospital
- ◊ Size: 600,000 SF
- ◊ Floors: 6 above grade and 1 partially below
- ◊ Total Cost: \$320 million
- ◊ Design/Construction Team: HBE

## *Mechanical | Plumbing*

- ◊ Several VAV and Constant Volume systems heat and cool with supply capacities between 34,500 and 80,400 cfm
- ◊ Emergency exhaust in all surgical departments
- ◊ Snow melt system for helipad and sidewalk

## *Structure*

- ◊ Composite deck with 3/4" of light weight concrete
- ◊ Steel frame with composite beams and girders
- ◊ Lateral load resisted by concrete shear walls on ground floor and by eccentrically braced steel frames first floor and above
- ◊ Spread footing foundation

## *Lighting | Electrical*

- ◊ Main Switchgear is 13.2 kV (1200A)
- ◊ 480/277V 3PH - 4W Main Power
- ◊ Primarily indirect fluorescent lighting with warm incandescent lighted patient rooms

