

# University of Central Arkansas Bear Hall Building Information Model

Conway, AR

Before beginning construction on this recently completed residential hall, Nabholz and Nabco Mechanical asked Brown Engineers to develop a 3-D Building Information Model (BIM) and shop drawings to aid in the construction process.

The BIM helped coordinate construction of all building systems, using Revit's clash detection features to identify potential construction issues before fabrication and field installation.

- \$18 million construction cost
- 5 stories
- 122,000 square feet
- 24-hour kitchen facility
- 12 indoor/outdoor skyboxes
- Classroom and office space

## BIM Systems Modeled

- Instantaneous Hot Water Plant
- Domestic Cold / Hot Water
- Sanitary Sewer / Vent
- Mechanical Equipment
- Laundromat Ventilation
- Entire Building Envelope
- Chilled Beam System
- Chilled Beam Hydronic System
- Daikin Variable Refrigerant Volume
- Ductwork: Supply, Exhaust, Outside Air

