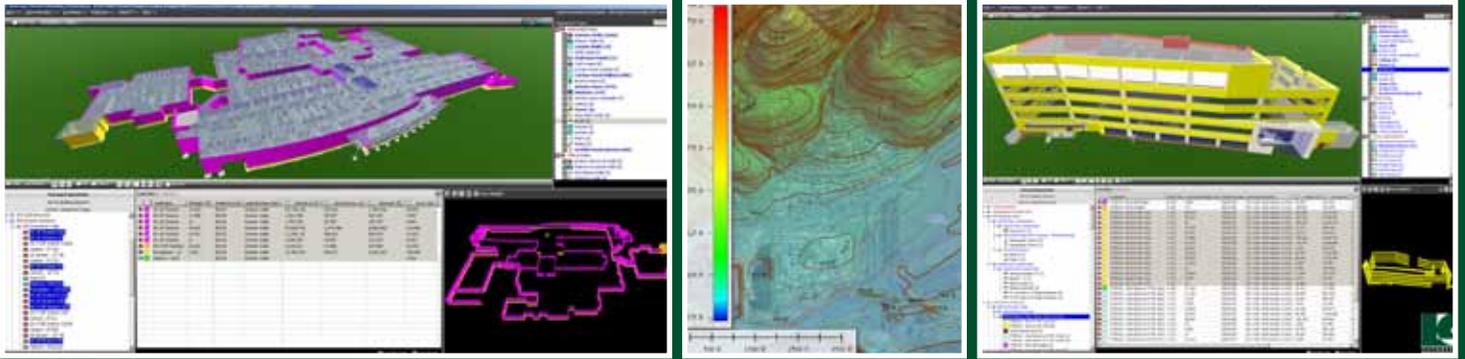


## Building Information Modeling (BIM)

## BUILDING INFORMATION MODELING



LeChase Construction is always striving to be an industry leader as it relates to technology. We at LeChase realize that design coordination is typically performed as part of a designer's contract with the owner. LeChase, however, has developed our own internal process for Building Information Modeling (BIM) that is purposed to work in conjunction with the designers model.

We have an in-house virtual design team dedicated to creating these in-depth, project specific models. BIM is the process of development and usage of a computer generated model to simulate the planning, design, construction and operation of a facility. The key component of BIM is the amount of detail that is used within the model. These models contain all information (materials, quantities, façade, structure, etc.) related to the building including its physical and functional characteristics.

### With these 3D models we have the ability to:

- Communicate, evaluate and understand the building construction
- Generate elevations and cross sections
- Identify design issues at the preconstruction phase
- Generate cost estimates faster and more accurately
- Assess the 'green' potential of a building

These models are a great benefit to you because we can start with site analysis, soils and topography and progress to site logistics including staging and available parking. We can even use BIM to determine daylighting and energy usage based upon on how a building is situated on the site. The greatest advantage of using BIM is that it allows you and the entire project team to view the building in 3D rather than traditional 2D plans. We can also plan and show the phases construction and deconstruction, show elevations and cross sections interactively. This also allows us to identify potential construction issues which can save money and time. LeChase prides itself in doing quality work and BIM aides us in doing so. Part of our quality and risk-mitigation initiative may include but is not limited to: check quality extractions, visual simulations, logistics and interface checking.

For more information regarding our services and capabilities, contact Steve Bills at 585.452.0305 or [steve.bills@lechase.com](mailto:steve.bills@lechase.com).

**Please, visit us online at [www.lechase.com](http://www.lechase.com) for additional services and qualifications that LeChase has to offer.**