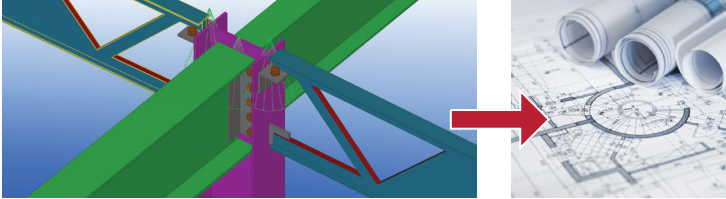


BUILDING INFORMATION MODELING (BIM)

BIM FOR CONTRACTORS: TAKE YOUR SEAT AT THE TABLE

The need for contractors to partner and utilize BIM services is becoming very common. Having a source for BIM modeling and support will allow you to bid on every job.



Myths About BIM

#1: BIM is only for large, complex projects.

#2: BIM is only for large contractors who can afford the investment.

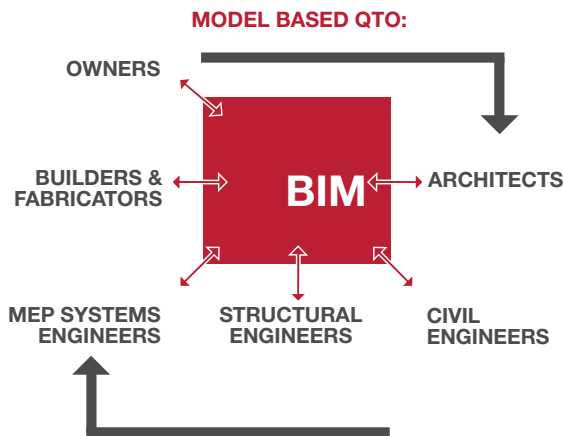
The benefits of BIM are being seen by contractors of all sizes. The level of investment and commitment is scalable.

What does BIM mean for you?

The ability to do more “what if” scenarios, such as looking at various sequencing options, site logistics, hoisting alternatives, cost, etc. The ability for non-technical people (clients, users, etc.) to visualize the end product.

Benefits to contractors using BIM services

- The ability to identify collisions (ex: identifying ductwork running into structural members) is a tremendous time and money saver.
- The ability to visualize what is to be built in a simulated pre-construction environment.
- Fewer errors and corrections in the field, saving you money.
- Higher reliability of expected field conditions, allowing the opportunity to do more prefabrication of materials offsite, which is usually a higher quality at a lower cost.



CARNEY ENGINEERING GROUP'S BIM SERVICES

Structural Modeling Modeling and engineering of all primary structural materials including steel, concrete, masonry, wood, aluminum and light-gage steel.

Non-Structural Modeling Modeling of non-structural primary elements, including walls, ceilings and curtain walls.

Structural Fabrication Modeling Fabrication models for structural and miscellaneous steel and aluminum and concrete reinforcing bars, including miscellaneous engineering services as required. Deliverables include both PDF/paper drawings as well as CNC files for automated fabrication.

BIM Coordination Merging and coordination of building models from subcontractors and designers, including clash detection.

3D Modeling and Visualization Creating shop drawings and visualizations of environments to allow you to see the best way to build on your site.

Existing Conditions Modeling Modeling of existing buildings, utilizing HD laser scan and point clouds, existing building documents, or field measured data.

CARNEY ENGINEERING GROUP'S SERVICES

Structural Inspections	Construction Engineering
Structural Engineering	Constructability Reviews
Steel Detailing	<i>Building Information Modeling (BIM)</i>
Steel Connection Design	
Forensic Engineering	

