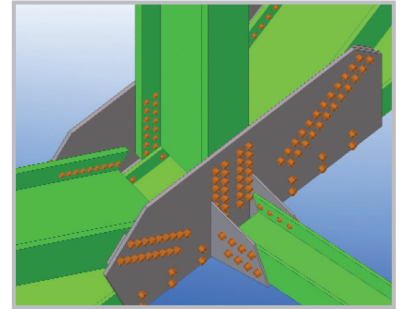
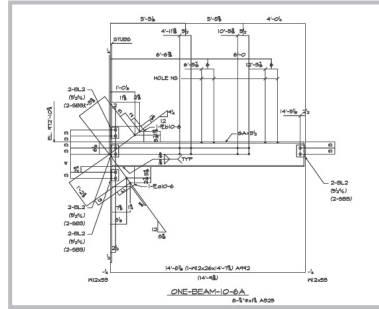
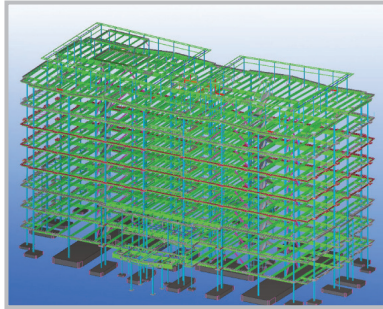


STRUCTURAL STEEL DETAILING

[STATE-OF-THE-ART]

STRUCTURAL STEEL DETAILING



At **Carney Engineering Group**, we utilize state-of-the art BIM and 3D steel detailing software in tandem with in-house professional structural engineers and selected partner firms to provide steel connection design and shop drawings, streamlining the process between design, fabrication and erection.

Our common-sense approach to connection design and fabrication ensures fabricators receive the important functional and economical details.

Our Steel Detailing projects are modeled in Tekla Structures to provide a 3D view of the design to provide an orbital view of the design concept, with all connections shown, to ensure that the project is thought through and buildable. All drawings are individually checked for compliance to your shop standards and can be sealed by our in-house engineers if required by contract specifications. Our software provides the necessary CNC data and material nesting files supporting today's automated fabricating machinery.

CEG can partner with your staff at any juncture during a project with customized services to meet your needs. For ease of communication and to help address time constraints, our files are formatted to be electronically transmitted and shared so they can be viewed by multiple disciplines. This eliminates the need for RFI's which can tremendously impact the schedule of your project.

CARNEY ENGINEERING GROUP'S STRUCTURAL STEEL DETAILING SERVICES

- BIM 3D modeling created from your design or our design build capability, allowing shared files through all construction disciplines
- Steel Bridge 3D modeling, design and detailing per AASHTO/NSBA standards and guidelines
- Sloping, skewed, curved and complex geometric structures
- Truss, girder design and detail
- Platemwork, bins, hoppers, ductwork and conveyor systems

MISCELLANEOUS ITEMS:

- Stairs, rails, platforms, catwalks and ladders
- Tilt-up concrete panel design and details
- Review of shop drawings for AISC and contract compliance

CARNEY ENGINEERING GROUP'S SERVICES

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

