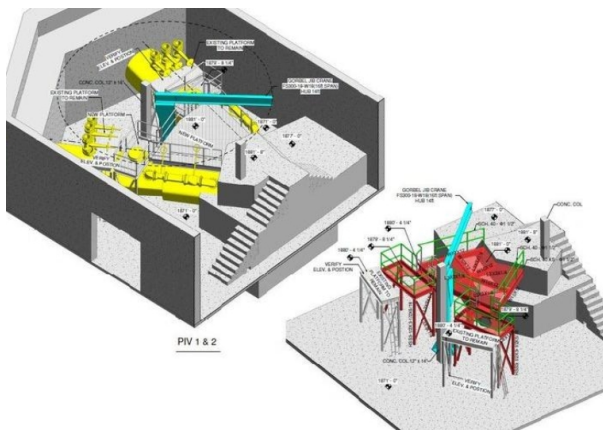


Structural Steel Connections and Steel Detailing Services

The Structural Department at Applus+ offers services in the field of steel connection design and structural steel connections. The engineers and draughts people at Applus+ offer wide levels of assistance on projects, working in accordance with CISC and AISC standards, seismic and wind loads calculations, engineered erection plans, site inspection, certified site reports and schedules, shop drawings review, generation of shop drawings and creation of accurate BIM models. Applus+ has an experienced professional team capable of handling large sized projects, in both design and draft phases. SKC's Structural Department at Applus+ uses a group of the best software available in both fields of structural analysis and drafting, including SDS2, Autodesk Robot Structural Analysis, Revit, Navisworks, AutoCAD and Autodesk ASD.



THE Applus+ SOLUTION

We offer steel connection design as part of a fully integrated solution for professional services related to structural steel fabrication including:

- Welding engineering and welding procedures
- Steel detailing and building information modelling
- Engineered connection design
- Materials verification and vendor surveillance (for offshore construction)
- Inspection and non-destructive testing of structural connections
- This allows us to be a single source service provider for our clients, with information flowing internally reducing client communication overhead.

Our team of civil engineers specialising in structural steel design and drafting work with Revit and AutoCAD Structural for building modelling and design. We specialise in the



design of welded connections in structural steel to CSA W47.1, CSA W59 and CSA S16. We design welded and bolted connection in accordance with CISC and AISC rules.

Our team has over thirty years-experience providing structural engineering services globally. We have proven experience in detailing for steel construction to optimise structural steel connections, and we have worked on some of the world's largest and most complicated engineering projects.

Target customers

Steel fabricators and erectors required engineered steel connection design and structural steel detailing prior to shop fabrication and field erection of structural steel used in:

- High-rise buildings, schools and office towers
- Commercial industrial facilities
- Freestanding towers and telecommunication infrastructure
- Bulk storage tanks
- Seismic upgrading of existing structures

This service is necessary to ensure that structural members are joined to their highest potentiality to carry the design loads and meet the requirements of regulated standards. Engineered lift plans are required to ensure safe and efficient field erection of structural steel.

Key customer benefits

We work on all sizes of project but specialise in the optimisation of structural steel connections for larger, more complex projects, reducing fabrication costs and improving competitiveness in the market place. Our experts in steel connection design and structural steel detailing also have expertise in Building Information Modelling (BIM) and provide these services internationally.