



INDUSTRIES SERVED

AEROSPACE
 ARCHITECTURAL
 AUTOMOTIVE
 BOILERS & PRESSURE VESSELS
 BRIDGES
 CONSTRUCTION
 DEFENCE
 ENERGY
 ENVIRONMENTAL
 HYDRO ELECTRIC
 LOCOMOTIVE
 LIFTING DEVICES
 MACHINERY
 MACHINE SHOPS
 MARINE
 MATERIALS HANDLING
 MINING
 NUCLEAR
 OIL AND GAS
 PROCESS EQUIPMENT
 PULP & PAPER
 STRUCTURAL STEEL
 TRANSPORTATION

OPTIMIZED STEEL CONNECTIONS

SKC's Structural Department offers services in the field of steel structures design, structural steel connection design 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. Our experience in the structural steel connection design promotes us to optimize steel connections for large and complex projects resulting in reduction in fabrication costs and facilitating steel erection.

SKC's Structural Department has experienced professional engineers and draftsmen who are capable of handling large sized projects in both design and drafting phases.

SKC's Structural Department uses a group of the best software in the market in both fields of structural analysis and drafting including SDS2, Autodesk Robot Structural Analysis, Revit, Navisworks, AutoCAD and Autodesk ASD

“By optimizing your connections we can reduce your fabrication costs and make steel erection easier & more efficient. SKC's connection designs will make you more competitive in the marketplace.”

Typical projects that we have worked on:

- Warehouses and storage facilities
- Car dealerships and showrooms
- Malls and shopping centers
- High rise buildings, Schools and office towers
- Hospitals and health care facilities
- Plants and industrial facilities.



RECENT PROJECTS

- Steel detailing & connection design for seismic upgrade of a theater
- Platforms, hoist beams and miscellaneous steel for the marine industry
- Structural work for hydro infrastructure
- Connection design and miscellaneous steel for the Wall center in downtown Vancouver
- Seismic & wind analysis for a fuel station
- Shop drawings and connection design for the renovation of the Queen Mary school, West Point Grey
- Structural upgrades on the Shannon Heritage estates
- Erection plan and lifting analysis for a transportation center & a telecommunication base station
- Residential additions and industrial addition of free standing platforms
- Mounting frame for 135 Tonne Meter mobile crane



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