

DESIGN TECHNOLOGIST

Summary:

Reporting to the Design Manager, the Design Technologist will be responsible for developing and preparing engineering drawings, plans, diagrams or layouts from sketches, initial ideas, previous designs and other data.

Job Scope and Tasks:

- Develop and prepare designs and drawings from preliminary concepts, sketches, specification sheets and other data.
- Operate computer-assisted design (CAD) drafting workstations
- Experience with Inventor or other 3D modeling software
- Experience with Autodesk Vault or other file management software
- Design products for ease of fabrication and installation at site
- Create Bills of Material (BOM)
- Complete report packages and prepare drawings for fabrication
- Check and verify design drawings to conform to specifications and design data

Job Qualifications:

- Completion of a 2-year diploma in Civil Engineering or Engineering Design Technology at a recognized Institute of Technology such as NAIT
- Thorough understanding of 3D modeling software such as Autodesk Inventor
- Knowledge of Microsoft Office Suite of applications
- Solid understanding of the importance of deadlines and ability to work under pressure
- Ability to visualize three-dimensional objects from two-dimensional drawings
- Experience with mechanical or industrial design would be a definite asset
- Knowledge of the qualities of metals, plastics, wood and other materials of fabrication and construction methods and standards
- Solid knowledge of drafting terminology, practices and techniques