

Design Services

BWXT Nuclear Energy Canada Inc. (BWXT) has over 50 years experience in the design and manufacture of sophisticated nuclear power station equipment, including fuel handling equipment, on-reactor/in-reactor tooling, and maintenance tooling.

An accurate drawing package is essential to the successful implementation of a design, whether new or a modification. Using the latest drafting software (such as AutoCad 2D and 3D, AutoCad Electrical, and Inventor), the Design Services department at BWXT produces the electrical and mechanical drawings required to support the design.

Whether the job requires a complete set of new drawings, or revisions to existing paper files using raster editing software, BWXT has the expertise to produce a professional drawing package.

Through many years of experience completing modification packages, BWXT Design Services fully understands the requirements of the engineering change control process, including the preparation of change papers and closeout packages.

BWXT Design Services also has extensive experience in directly interfacing with our customers' enterprise asset management systems (such as Asset Suite, PassPort).

Put the experience of BWXT Design Services to work for you. Whether you have a complete design package to be created to the most exacting standards, or an overload in your own drafting department, BWXT Design Services can provide a customized solution to meet your requirements.

Services

Mechanical Drawings:

- Parametric 3D modelling
- Concepts/layouts
- Assembly drawings
- Detail drawings
- Weldments
- 3D piping/tubing drawings
- Flow diagrams and line lists

Electrical Drawings:

- Schematics/elementaries
- 3D cabling
- Panel layouts
- Wire run lists and wiring diagrams
- Cable assemblies and cable block diagrams
- Single line diagrams
- Wiring database manipulation (eg., IntEC)

Bills of material

Exploded views

Rendering and animations

Standards

All drawings are produced in accordance with the ASME Y14.5M standard.

NUCLEAR ENERGY

GOVERNMENT SERVICES

ADVANCED TECHNOLOGIES

BWXT Nuclear Energy Canada Inc. is a subsidiary of BWXT Canada Ltd.(BWXT Canada), headquartered in Cambridge, Ontario. BWXT Canada has over 60 years of expertise and experience in the design, manufacturing, commissioning and service of nuclear power generation equipment. This includes CANDU and Pressurized Water Reactor steam generators, nuclear fuel and fuel components, critical plant components, parts and related plant services. Headquartered in Cambridge, Ontario, BWXT Canada has approximately 850 employees at locations in Cambridge, Peterborough, Toronto and Arnprior, Ontario. BWXT Canada is a subsidiary of BWX Technologies, Inc. (NYSE:BWXT).

BWXT is a leading supplier of nuclear components and fuel to the U.S. government; provides technical, management and site services to support governments in the operation of complex facilities and environmental remediation activities; and supplies precision manufactured components, fuel and services for the commercial nuclear power industry. Learn more at www.bwxt.com.

© 2017 BWXT Nuclear Energy Canada Inc.

www.bwxt.com



BWXT Nuclear Energy Canada Inc.
1160 Monaghan Rd
Peterborough, ON
Canada, K9J 0A8
t: +1.705.748.7999