Highlights

- More than 50 years' experience in the design and manufacture of sophisticated nuclear power station equipment, including complex mechanical 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, SolidWorks, 3 Studio Max, Recap Pro 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.

- Extensive experience in directly interfacing with our customers’ enterprise asset management systems (such as Asset Suite, PassPort).
Knowledge Areas

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

- **Bills of material**

- **Exploded views**

- **Rendering and animations**

- **Standards**

- **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 (e.g., IntEC)

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