



<b><u>JOB TITLE:</u></b>	<b>DESIGN ENGINEER</b>
<b><u>CLASSIFICATION:</u></b>	Exempt
<b><u>DEPARTMENT:</u></b>	Engineering
<b><u>REPORTING TO:</u></b>	Engineering Design Supervisor
<b><u>MANAGERIALLY RESPONSIBLE FOR:</u></b>	NA
<b><u>LOCATION:</u></b>	Corporate Office

**PURPOSE:**

Design robust, high quality spent nuclear fuel and irradiated material storage, transport and handling systems and components. Integrate the physical design requirements (structural, thermal, shielding, criticality and operations) and manufacturing aspects of all hardware development to produce designs that meet all applicable requirements for the form, fit and function.

**SCOPE OF RESPONSIBILITY:**

The incumbent will pro-actively work with the engineering staff to prepare electronic sketches, drawings and other technical documents within the governing quality assurance program and procedures.

**PRINCIPAL DUTIES & RESPONSIBILITIES:**

1. Assist engineering staff in the design and development of systems and components. Interface with engineering staff effectively to ensure the form, fit and function of designs while also working with fabrication managers to ensure cost effectiveness and manufacturability of designs.
2. Collaborate with the engineering staff to produce design sketches and drawings in accordance with applicable standards. Accurately incorporate welding symbols and tolerances into design drawings.
3. Originate and/or review structural analyses, prototype test processes, operations procedures, and reports using computer-aided engineering (CAE) and appropriate computer software.
4. Review and verify design drawings and other technical documentation prepared by others to ensure correctness and accuracy in form, fit and function.

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**JOB SPECIFICATIONS:**

1. Associate's or Bachelor's degree in mechanical engineering or related engineering discipline required.
2. Minimum of five (5) years of experience in automated drafting and 3-D Modeling CAE systems required. Experience with Autodesk Inventor preferred.
3. Hands-on experience with design, engineering and/or fabrication of welded components preferred.
4. Strong verbal and written communication skills are necessary. Writing must be clear and unambiguous.
5. Ability to manage multiple concurrent projects.
6. Strong problem-solving skills and a creative approach for generating new ideas.
7. An excellent grasp of engineering and design principles.

**PHYSICAL REQUIREMENTS:**

1. Ability to view video display terminal images < 18" away from face for extended periods of time – up to four (4) hours at a time.
2. Ability to operate a computer keyboard, mouse and telephone.
3. Ability to sit for extended periods of time – up to four (4) hours at a time.
4. Ability to lift, tug, pull up to fifteen (15) pounds.

NAC is an Affirmative Action/Equal Opportunity Employer.

If interested, please send your resume to [resumes@nacintl.com](mailto:resumes@nacintl.com).