

M. G. NEWELL CORPORATION

JOB DESCRIPTION

JOB TITLE: Draftsperson

DEPT: Engineering (Greensboro Division)

SUPERVISOR: Shop Supervisor

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PRIMARY PURPOSE:

The primary purpose of this job is to prepare engineering information such as detailed diagrams or drawings which will provide specifications about how devices, parts, equipment or structures are to be fabricated, constructed, welded, assembled, modified, maintained, or used.

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JOB DUTIES:

- Review customer job specifications with Shop Supervisor and/or Project Engineer. Analyze sketches, drawings, lay-out, or detail components and systems and to resolve design or other questions.
- Develop detailed design drawings and specifications for mechanical equipment, piping, valves, tanks, controls, using Computer-assisted drafting (CAD) equipment.
- Compute mathematical formulas to develop and design detailed specifications for components, equipment, or process flow, using CAD equipment.
- Lay out and draw schematic, orthographic, or angle views to depict functional relationships of components, assemblies, systems, and machines.
- Confer with Shop Supervisor and/or Project Engineer to review schematics and answer questions pertaining to installation of systems.
- Draw freehand sketches of designs, trace finished drawings onto designated paper for the reproduction of blueprints.
- Assist Shop Supervisor and/or Project Engineer in the collection and storage of project equipment data and Bill of Materials information.
- Complete reports and paperwork as needed.
- Physical Requirements include climbing ladders, accessing confined spaces, using hand tools and rigging equipment, and lifting up to 75 pounds.

- Maintain a clean and safe work area
- Perform other duties as required

#### KNOWLEDGE/REQUIREMENTS:

- Knowledge of design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models.
- Knowledge of practical application of engineering science and technology. Auto CAD experience required; prefer Solid Works experience.
- Knowledge of arithmetic, algebra, geometry, calculus.
- Associate degree required or equivalent
- 3-5 years drafting experience.

M. G. Newell Corporation has been in business for over a century providing sanitary process components and integrated process systems to the food, dairy, citrus, beverage, pharmaceutical and personal care industries. With divisions in Greensboro, North Carolina; Louisville, Kentucky, and Nashville, Tennessee, our services extend to the Mid-West, MidAtlantic, and Southeastern United States.

M.G. Newell is an Equal Opportunity employer and will consider all qualified applicants for employment without regard to race, color, religion, gender, sexual orientation, gender identity, national origin, age, protected veteran status, or disability status. Learn more at [www.mgnewell.com](http://www.mgnewell.com)