1. Sketched outline designs and used CAD programs to create detailed design and specifications.
2. Developed communication documentation to help convey key design aspects to clients.
3. Developed manufacturing drawings and oversaw teams of technicians in construction of systems.
4. Assisted in development of [Type] testing systems, including automated [Type] equipment.
5. Developed concept layout and design of [Type] product from specifications using 3D CAD software.
6. Read and interpreted blueprints and created engineering drawings and sketches.
7. Designed and optimized mechanical components for [type of system or process].
8. Researched customer design proposals and requests to evaluate feasibility, cost, and maintenance requirements of designs.
9. Read and interpreted blueprints, technical drawings, schematics, and computer-generated reports.
10. Analyzed energy requirements and distribution systems to optimize use of renewable energy sources.
11. Developed quotes through assessment of material costs and project schedules.
12. Managed continuous improvement projects.
13. Assembled and disassembled complex mechanical systems to make repairs or augmentations and troubleshoot malfunctions.
14. Studied and interpreted engineering blueprints, specifications and other documents to strategize on work orders.
15. Contributed to quality control by conducting [Type] testing and failure analysis, recommending corrective action when appropriate.
16. Performed routine maintenance on equipment, such as leak detectors, glove boxes and mechanical pumps.
17. Provided technical support to colleagues regarding mechanical design, fabrication, testing or drafting.
18. Designed accessory tool such as molds, dies, jigs and fixtures for use in manufacturing processes.
19. Drafted designs for specialized, augmented and custom equipment, such as [Product or service] and [Product or service].
20. Assisted engineers in design, development and testing of [Type] machinery and equipment.