1. Built 3D models with [Software] to outline machinery designs for production teams.
2. Incorporated text comments and instructions to finalize drawings and guide installers or production staff.
3. Computed scaling, specification details and other factors with strong mathematical abilities.
4. Created scale and full-size blueprints for [Type] needs, highlighting all aspects of mechanical designs.
5. Liaised with architects, engineers and designers to understand design requirements and provided technical advice to manufacturing and construction technicians.
6. Highlighted functional relationships between components using high-quality angle, orthographic and schematic views.
7. Updated designs with latest feedback from customers and [Job title]s.
8. Used [Software] and [Software] to design floor plans, elevations and realistic renderings.
9. Worked with CAD systems and software to turn [Job title] designs into workable specifications, drawings and equipment details.
10. Performed final quality assurance assessment of equipment to prepare for shipment.
11. Reduced manual processes by designing library features to increase production efficiency, improving efficiency [Number]%.
12. Designed high quality, robust and cost-effective CAD product models by preparing routine layouts, detailed drawings, assembly sketches and diagrams.
13. Performed [Type] and [Type] mathematical formulas to generate engineering models and calculations for system performance.
14. Identified potential operational issues to redesign products and improve functionality.
15. Used 3D and 2D CAD tools to design, develop and engineer high-quality models.
16. Interacted with architects and clients to obtain critical design information necessary to complete projects within intended time frames.
17. Collected construction site reports, analyzed building codes and made weight, volume and stress calculations to determine materials needed for projects.
18. Analyzed building codes, by-laws and space and site requirements to determine effect on architectural designs.
19. Conferred with customer representatives to review schematics and answer questions pertaining to installation of systems.
20. Organized project goals by identifying expectations and assigning design tasks to [Number] team members.
21. Developed detailed design drawings and specifications for mechanical equipment, dies and controls using computer-assisted drafting (CAD) equipment.
22. Supervised and trained other drafters, technologists and technicians.