1. Analyzed and verified all energy savings calculations to promote environmental sustainability and energy conservation in order to meet aggressive project LEED requirements.
2. Designed utilities and HVAC systems for high technology facilities, including cleanrooms, general manufacturing and process and institutional facilities.
3. Interacted with project leaders and stakeholders to define requirements and generate and maintain design development documents.
4. Collaborated with [Type] teams to develop and implement product improvements to enhance performance.
5. Worked with product planners and industrial designers to conceptualize and refine product concepts.
6. Contributed to [Type] project by [Action] and [Action] which increased company revenue by [Number]% and improved [Result].
7. Completed mechanical designs for HVAC, air control, fire protection and elevators while providing SME input to client and design teams.
8. Developed and tested models of alternate designs and processing methods to assess feasibility, operating condition effects, possible new applications and necessity of modification.
9. Worked with [Type] product designers to implement and debug new manufacturing processes.
10. Performed on-site field surveys and wrote technical narratives to document processes and design changes.
11. Performed thermal, electromagnetic, dynamic and structural engineering analyses on [Type] projects.
12. Used AutoCAD and Revit to examine product scopes and plan for adaptations in production methods.
13. Assisted drafters in developing structural design of products using drafting tools or computer-assisted design (CAD) or drafting equipment and software.
14. Developed, tested and assessed alternative design models and processing methods.
15. Trained production team on [Type] protocols to optimize [Product] production.
16. Created CAD models and drawings for [Type] and [Type] designs.
17. Analyzed [Type] mechanical designs and prototypes in development life cycle.
18. Recommended design modifications to eliminate [Type] machine and system malfunctions.
19. Planned and evaluated results of [Type] analysis, modeling and experiments.
20. Investigated equipment failures to diagnose faulty operation and made appropriate maintenance recommendations.