



MICHAEL WALL ENGINEERING

Engineering Intern Position Description

POSITION SUMMARY

The Engineering Intern is responsible for implementing electrical designs for MWE Engineering, Inc. dba Michael Wall Engineering.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

- Create electrical design documents using REVIT/AutoCAD and BIM360.
- Title-24 calculations using Energy Pro.
- Photometric calculations using AGi32 software.
- Short circuit current, voltage drop calcs, and coordination and arc flash studies using SKM Power Tools software.
- Creating light fixture schedules using Blue Beam software.
- Miscellaneous engineering calculations.
- Work with other software applications as needed.
- Other miscellaneous tasks deemed necessary by Managers.

SAN DIEGO

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RECOMMENDED MINIMUM POSITION QUALIFICATIONS

1. Written and verbal communication skills to function with all levels of management and staff.
2. Demonstrate an interest in power systems engineering and/or architectural lighting design for the building design and construction industry.
3. Reasoning development to apply principles of rational systems to solve problems and deal with a variety of concrete variables and to interpret instructions presented in various forms.
4. Proficient in computer skills that includes software knowledge in Windows, Microsoft Word, Microsoft Excel, Adobe Acrobat, Bluebeam and Microsoft Outlook.
5. Familiar with Autodesk Building Design Suite 2019 including REVIT 2019, AutoCAD 2019 and BIM360, AGi32 Photometric software, and SKM Dapper/Captor.
6. Strong organizational and excellent communications skills.
7. Detail oriented and problem solver.
8. Ability to work effectively in team-oriented, fast-paced environment.
9. Capable of implementing new software, if needed.



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ABOUT THIS COMPANY

Michael Wall Engineering is a fast-growing full-service consulting electrical engineering firm with four (4) offices in Southern California: San Diego (2 locations), Inland Empire, and Orange County. Since 1996, we have been dedicated to providing excellence in engineering services to the design and construction industry (A/E/C). We offer full-service design through registered Professional Engineers, in-house Lighting Design staff, and in-house Registered Communication Distribution Designers. Michael Wall Engineering is certified as a Small Business Enterprise (Caltrans and Federal).

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