

POSITION DESCRIPTION

Position Title:	Senior Electrical Engineer	Direct Reports:	1 - 3
Department:	Engineering	Classification:	Exempt
Location:	Any Michigan Office	Approved Date:	July, 2024
Reports To:	Engineering Manager	Revision Date:	

Position Summary: At Kingscott, we know our People are our biggest asset and we strive to always have the best of intentions, approach situations with empathy, build relationships, work as a team, and create an inclusive work environment where you can always be your best self and do your best work. We are seeking an experienced and highly skilled Senior Electrical Engineer to join our Architectural and Engineering Design firm. The ideal candidate will lead the design and development of electrical systems for a variety of commercial and K-12 educational projects, ensuring they meet both client requirements and current industry standards. This role involves collaborating with multidisciplinary teams, managing project timelines, and mentoring junior engineers.

Organizational Values:

Our belief in people leads us to work with project partners that have people at their center. Our company values are:

- Investing in People
- Achieving the Extraordinary
- Serving with Humility
- Finding Fun in Our Work
- Committing Ourselves to Mutual Success
- Fearlessly Exploring
- Striving for Authenticity

Essential Responsibilities:

Design and Development:

- Lead the design of electrical power, lighting, life safety and security systems for commercial and K-12 educational buildings.
- Develop detailed electrical drawings, schematics, one-line diagrams and specifications.
- Ensure designs comply with all applicable codes, standards, and regulations.

Project Management:

- Manage electrical engineering projects from concept through completion.

- Coordinate with architects, mechanical engineers, and other stakeholders.
- Oversee project timelines, budgets, and resources to ensure successful project delivery.

Technical Expertise:

- Provide technical guidance and expertise in the selection of electrical power and lighting systems, life safety systems and security systems and components.
- Conduct detailed site inspections and assessments to ensure design feasibility and compliance.
- Perform load calculations, lighting calculations, short-circuit analysis, arc flash hazard and other engineering calculations as needed.
- Specifying lighting controls and luminaire selections. Ensuring lighting designs meet current standards and the clients' needs.
- Specifying and sizing standby power systems.
- Specifying auxiliary systems, including fire alarm systems and access control.
- Integrating with CCTV and other low voltage systems design consultants.

Quality Assurance:

- Review, approve, sign and seal electrical engineering documents and deliverables.
- Conduct quality control checks to ensure accuracy and completeness of designs.
- Address and resolve any technical issues that arise during construction.

Mentorship and Leadership:

- Mentor and train junior engineers and support staff.
- Promote a culture of continuous learning and professional development within the team.
- Lead design review meetings and provide constructive feedback.

Client Interaction:

- Interface with clients to understand project requirements and provide technical solutions.
- Prepare and present project proposals, reports, and technical presentations.
- Ensure client satisfaction through effective communication and project management.

Other:

- Performs other duties, as assigned.

Supervision Received:

General Direction: Plans and arranges own work. Uses a wide range of procedures to accomplish assigned objectives.

Supervisory Responsibilities:

Advanced supervision: Determines work assignments, priorities, and procedures for subordinates. Responsible for assigning, scheduling, and ensuring the quality and quantity of work. Approves time off and schedule adjustments. Provides training and coaching

Education & Experience:

- Bachelor's degree in Electrical Engineering, Architectural Engineering or a related field.
- Minimum of 15 years of experience in electrical engineering, preferably with prior K-12 design experience.
- Proven track record of successfully managing and delivering complex projects.,
- Demonstrated creative thinking, design ability, and technical proficiency

Licenses and Certifications:

- Professional Engineer (PE) license in State of Michigan required, or ability to obtain license via reciprocity

Other Knowledge, Skills & Abilities:

- Proficiency in electrical design software and lighting design calculation software .
- Proficiency in Revit.
- Strong understanding of electrical codes, standards, and regulations.
- Excellent problem-solving and analytical skills.
- Strong communication and interpersonal skills.
- Excellent communication and active listening skills
- Knowledge of Microsoft Office Suite (Word, Excel, PowerPoint etc.)
- Knowledge of Bluebeam preferred.
- Strong organizational and time management skills; with attention to detail
- Ability to handle multiple projects and meet tight deadlines
- Ability and willingness to travel to project sites as needed. Sites are anticipated to all be within the State of Michigan.

Preferred Qualifications:

- Experience with sustainable design practices and energy-efficient systems.
- Knowledge of advanced electrical systems such as smart grids, renewable energy systems, and energy storage solutions.

- Experience in managing client relationships and business development.

What is in it for you:

- Collaborative environment and ability to work with all levels of the organization
- Variety of work tasks and experiences – no two days will ever be the same
- Opportunity to gain valuable experience and exposure to help us meet needs

Are you interested in being part of a collaborative culture with significant opportunities for professional growth? Apply now!

How to Apply:

- Please send resume with prior project history to Maureen Weatherby, Chief People Officer, at mweatherby@kingscott.com.

Physical Requirements:

Average Daily Physical Requirements	None	Less than 2 hours	2 to 5 hours	More than 5 hours
Work in stationary position				X
Move about work area		X		
Use hands/fingers to handle or feel				X
Reach with hands and arms		X		
Ascend/Descend (stairs/ladder/etc.)		X		
Bend, stoop, kneel, crouch, or crawl		X		
Communicate with various parties			X	
Detect flavors or smells	X			
Move containers up to 30 pounds		X		
Visual acuity				X
Read and understand written word				X
Drive/Travel			X	
Operate computer and general office machines				X
Operate Machines:	X			
Other:				

Environmental Conditions:

Average Daily Environmental Conditions	None	Less than 2 hours	2 to 5 hours	More than 5 hours
Normal office environment: No exposure to extreme heat, cold, noise or chemicals or hazardous equipment.				X
Plant environment: Exposure to dust, oil, various chemicals, and extreme noise.	X			



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Warehouse environment: Exposure to extreme temperatures, noise, hazardous equipment, and fumes from trucks.	X			
Travel: Limited exposure to outside elements.		X		
Other:				

This job description does not list all duties of the job. Employees may be asked by management to perform other duties as needed. The Company reserves the right to revise this job description at any time. This job description is not a contract for employment and does not infringe upon the Company's at will employment status.