



<b>Job Title:</b>	Project Engineer	<b>Location:</b>	Richmond, VA
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<b>Reports to:</b>	Engineering Manager	<b>FLSA Status:</b>	Salaried Exempt
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**Company Overview:**

W. O. Grubb is the leading provider of crane rental and steel erection services in the Mid-Atlantic United States. W. O. Grubb was founded in the 1960's with a basic concept, which was to provide high quality steel erection services, equipment, manpower and superior responsiveness to our customers. W. O. Grubb is one of the largest family owned and operated crane rental companies in the nation. Multiple locations serve Virginia, Maryland and surrounding states with crane rentals and service.

**Description Summary:**

A Project Engineer is responsible for the planning and execution of highly specialized work related to the transportation and lifting of large components in support of power generation, petrochemical and heavy civil projects. Such projects pose significant challenges that require precise planning and engineering expertise. W. O. Grubb looks to its engineering personnel to employ innovative design solutions for the handling of components that are often heavy, oversized, and/or extremely sensitive. The Project Engineer will support the engineers, salesmen and project managers by producing detailed layout, operational and fabrication drawings in support of crane, rigging, transportation, and steel erection operations. The individual typically works under limited supervision and is expected to travel to project sites, on occasion, to oversee critical lifts and to gather site-related information to assist in the planning of project work. The Project Engineer is subject to working weekends and holidays.

**Responsibilities:**

- Preparation of engineering drawings, calculations and procedures related to the systems selected for the execution of project work;
- Development of designs for temporary structures and rigging systems that incorporate both new and existing W. O. Grubb fleet equipment to be used in the execution of rigging projects;
- Development and oversight of load tests for new equipment;
- Production of related execution and fabrication drawings for new equipment;
- Preparation of crane layout drawings and engineering drawings;
- Occasional travel to job sites to take measurements or verify dimensions or to assist in oversight of lifting operations.

## Knowledge, Skills, and Experience

### Essential:

- 3-5 years' experience in the design of structural steel and reinforced concrete;
- Strong proficiency and progressive experience in the use of AutoCAD;
- Proficiency in the use of Microsoft Word and Excel;
- EIT/FE certification;
- Must be able to pass a drug test, background check, and fit for duty test.

### Desired:

- Self-starter and a team player;
- Good written and verbal communication skills;
- Ability to give clear direction to support staff and field personnel;
- Familiarity with a variety of construction methods;
- Familiarity with fabrication drawings;
- Familiarity with crane lift planning;
- Familiarity with heavy transportation;
- Ability to produce designs where constructability is a key consideration;
- Current professional registration or ability to acquire professional registration within one year;
- Experience in the design of temporary structures as well as experience working at a large construction site;
- Rigging experience;
- Familiarity with structural steel design (AISC Manual of Steel Construction);
- B.S. Civil Engineering, Construction Engineering or Mechanical Engineering with an Associate's degree in drafting.

### Physical Demands:

The Americans with Disabilities Act (ADA) requires employers to identify essential functions of a role. As a result, the following table was created. Please note: This checklist should not be considered all-inclusive.

Function	Essential Function		Frequency		
	Yes	No	Occasional (1-33% of the time)	Regular (34-66% of the time)	Constant (67-100% of the time)
Balancing	X		X		
Bending		X	X		
Carrying	X		X		
Climbing		X	X		
Crawling		X	X		
Driving	X			X	
Filing	X				X
Fingering	X				X
Hand/Eye coordination	X			X	
Hearing	X				X
Kneeling	X		X		
Lifting bulky items		X	X		
Lifting from arm level		X	X		
Lifting from floor level		X	X		
Lifting objects 10-24 lbs.	X		X		
Lifting objects 25-49 lbs.		X	X		
Lifting objects > 50 lbs.		X	X		
Pulling	X		X		
Pushing		X	X		
Reaching above shoulders		X	X		

Function	Essential Function		Frequency		
	Yes	No	Occasional (1-33% of the time)	Regular (34-66% of the time)	Constant (67-100% of the time)
Reaching below shoulders	X		X		
Reading - English	X				X
Sitting	X			X	
Speaking - English	X				X
Standing	X			X	
Stooping	X		X		
Twisting/Turning	X		X		
Typing/Word processing	X			X	
Vision – Color ID	X			X	
Vision – Depth perception	X			X	
Vision - Near	X				X
Walking	X			X	
Writing - English	X				X

- Approximately 80% of time spent in usual office conditions;
- Approximately 20% of time spent in external conditions which may include temperature variance, elevated noise levels, dust and fumes;
- Occasional travel is required.

Reasonable accommodations will be made to enable individuals with disabilities to perform the tasks.

**Work Environment:**

Majority of time spent in an office environment. The employee may be required to wear appropriate PPE equipment when exposed to external environment. The employee could occasionally be exposed to extreme temperatures or other inclement weather.

**How to Apply:**

If you have the desire and feel you are ready to work in a high-performance, fast-paced environment, please visit our website at [www.wogrubb.com](http://www.wogrubb.com), and submit your resume and profile online.

*W.O. Grubb Steel Erection is proud to be an Equal Opportunity Employer*