



JOB DESCRIPTION

Job Title: Electrical Design Engineer
Location: Duffield, VA
Reports To: Engineering Manager
Department: Engineering

JOB PURPOSE:

Responsible for the design, development, alteration, or modification of shelter drawings and Electrical systems as assigned by the department manager.

ESSENTIAL DUTIES & RESPONSIBILITIES:

- Prepares a wide variety of detailed drawings for the shelter and Electrical design and is responsible for their accuracy.
- Breaks down information obtained from the bid letter, customer specification, and customer supplied drawings to do shelter design.
- Makes a variety of calculations (AC service, HVAC, energy, and structural) following standard procedures.
- Prepare work orders (detailed BOM) while drawings are in progress.
- Renders technical assistance to factory personnel, sales staff or customers as needed.
- Possible travel as needed.
- Performs other assigned duties as required by department manager.

EDUCATION:

Four (4) years Electrical Engineering degree or at least 3 years on the job Electrical Engineering/Designing experience.

QUALIFICATIONS: Experience, Competencies and Education

- Excellent oral and written communication and interpersonal skills.
- Computer programs: Windows, Word, Excel, and the latest release of AutoCAD.
- Knowledge of algebra and geometry and mathematical formulas.
- Technical ability in the Architectural, Mechanical, and Electrical fields.
- Computer programs: Windows, Word, Excel, and the latest release of AutoCAD.



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PHYSICAL REQUIREMENTS OF JOB: This position requires that the employee be able to perform the following physical requirements, with or without reasonable accommodation:

Physical Requirements			
Stand	Occasional, 1-25%	Stoop, kneel, couch or crawl	Occasional, 1-25%
Walk	Occasional, 1-25%	Carry	Occasional, 1-25%
Sit	Continuous, 76-100%	Talk or Hear	Moderate, 26-50%
Reach	Occasional, 1-25%	Lifting Requirements	Up to 25 lbs
Climb/balance	None	Other	

Work Environment			
Wet or humid conditions (non-weather)	None	Hot or Cold conditions	None
Work near moving mechanical parts	None	Outdoor weather conditions	None
Work in high, precarious places	None	Vibration	None
Fumes or airborne particles	None	Loud Noise	None
Toxic or caustic chemicals	None	Other	

Personal Protective Equipment			
Safety Glasses/Goggles	No	Hand Protection	No
Steel Toe Shoes	No	Hearing Protection	No
Respirator	No	Fall Protection	No
Dusk Mask	No	Other	

Email resume to deades@vfpinc.com