



INDEPENDENT ELECTRICAL CONTRACTORS

FORT WORTH/TARRANT COUNTY CHAPTER

JOB DESCRIPTION FOR APPRENTICE ELECTRICIAN

SCOPE OF WORK:

- A. Work will consist of installation, alternations, additions and/or repairs of electrical systems, conductors and associated materials equipment within the commercial, industrial, and residential electrical industry. Two thousand hours of on-the-job training is required in each year of Apprenticeship. There are minimum 8000 hours of on-the-job training to complete the program.
- B. Must attend a minimum of 144 hours of job related education instruction in each year of Apprenticeship training and maintain a minimum passing grade of 70. There are a minimum of 576 hours of job related education instruction to complete the program.
- C. Apprenticeship is for four years. (Min. 8000 on-job-training/Min. 576 classroom hrs.)

RESPONSIBILITIES

- A. In general, the apprentice electrician is responsible to assist electricians by performing tasks of on-the-job training under the supervision of a journeyman electrician installing the work in order to learn the trade and become an electrician.
- B. Attend job-related education instruction a minimum of one night per week for 4 hours.
- C. See page 12 of Standards for specific responsibilities.
- D. See pages A1 and A2 of Standards for breakdown of on-job-training.

POSITION REQUIREMENTS

- A. Provide birth certificate, social security card or other approved document.
- B. Provide a photo driver's license or other approved photo identification.
- C. Provide High School Diploma or GED
- D. No previous work experience is required.
- E. Applicant must be able to meet the contractor's "New Hire Policy", which may include drug testing. If not able to meet the contractor's "New Hire Policy", the Apprenticeship Program is not obligated to place with another contractor.
- F. Applicant must obtain a State of Texas "Apprentice License" to work.
- G. Male applicants between 18 – 26 must have registered with Selective Services.

WORKING CONDITIONS

- A. Job requires working in all elements. This depends on job location and time of year (heat, cold, rain, snow)
- B. Must be able to utilize construction site sanitary facilities (Porta-johns)
- C. Job requires employee to have required personal tools with them at all times. (waist tool belt, as worn, weighs approximately 30 lbs.)
- D. Work from all type ladders (step ladders up to 16', "A" frame ladders and all size extension ladders and carry and relocate up to 12' step ladder by one's self.)
- E. Employee's personal weight and personal tools cannot exceed weight of ladder (Class 1 - 250 lbs., Class 1A - 300 lbs.)
- F. Perform work at various heights, up to 90' from ladders, scaffolds, aerial lifts, cat walks or other safe work areas.
- G. Work in restricted areas (switchgear room, manholes, utility tunnels, crawl spaces, attics).
- H. Wear personal protective equipment as required. (hard hats, safety glasses, safety shoes, respirators, etc.)
- I. Repetitive use of arms, hands and fingers.
- J. Able to work 8 hours per day, 40 hours per week, and overtime as required and night shifts.

OBTAINABLE SKILLS

- A. Positively identify colors of wires.
- B. Comprehends drawings, blueprints and schematics.
- C. Bend conduit by hand with hand benders.
- D. Must use all power tools, saws, threaders, wire tuggers, hydraulic benders,
 - a. and knockout punches.
- E. Capable of digging trenches, either by use of hand tools or power equipment.

- F. Practices and comprehends safe work procedures as outlined in Safety Policy, Handbook, Haz-Com Policy, and Lockout/Tagout Policy of sponsoring employer.
- G. Operates two (2) handed tools/equipment, cable cutters, hammer drills, compression tools, jackhammers.
- H. Read and interpret maps, instructional manuals, specifications, work site directions, blueprints and written instructions.
- I. Operate and work from mechanical personnel lifts (electric or gas powered).
- J. Must be able to hear distress signals and verbal commands on job sites.

PHYSICAL FUNCTION

- A. Must be able to bend, stoop, squat, crawl, climb, kneel, balance, push, pull and reach over head.
- B. Must be able to lift a minimum of 50 pounds on a continuing basis.
- C. Constantly moving on your feet.
- D. Climb ladders (all types)
- E. Completing overhead work for full day assignments.
- F. Must be able to make transition from employee parking area or street into construction work areas and to gain access to all levels of the building, even if the only means of access is by O.S.H.A. approved site construction ladder or stairs still under construction but acceptable for use.
- G. Responsible for security of tools and materials from storage areas.
- H. Possess good vision (normal or corrected).
- I. Hears well (normal or corrected).

OBJECTIVE-

Advancement to electrician status upon completion of the Apprenticeship Program.