

REYNOLDS ELECTRICAL & ENGINEERING CO., INC.
POSITION DESCRIPTION

POSITION TITLE: Wireman
JOB CODE : 030604, 035604
DATE PREPARED : July 17, 1992

Revised: December 13, 1993

SUMMARY STATEMENT

The incumbent installs and maintains wiring, cable, electrical fixtures, apparatus, and control equipment in accordance with electrical codes, plans, and specifications on the basis of knowledge of system operation and study of building plans or working drawings.

DIMENSIONS

The incumbent reports to a foreman, general foreman, or salaried supervisor and has no supervisory responsibility.

NATURE AND SCOPE

1. Measures, cuts, bends, threads, assembles, and installs electrical conduit using such tools as hacksaw, pipe cutter/threader, and conduit bender;
2. Pulls wiring through conduit; splices wires by stripping insulation from terminal leads with knife, pliers, or splicing tool; twists or solders wires together; and applies tape or terminal caps;
3. Connects wires to lighting fixtures and power equipment using hand tools;
4. Connects power cables to equipment such as motors and heating/cooling units;
5. Tests continuity of circuit to ensure electrical compatibility and reliability of components using test instruments such as ohmmeter, ammeter, and voltmeter;
6. Pulls cables in downhole and underground operation; bundles, terminates, and makes connections to diagnostic instruments using hand tools;
7. Uses oils, greases, and solvents to repair and maintain equipment;
8. Adheres to all Company EEO, affirmative action, environmental, health, safety, quality assurance, and security programs;
9. Performs related work as required.

ESSENTIAL JOB FUNCTIONS

Physical

<i>Constantly = Over 2/3 of time</i>
<i>Frequently = 1/3 - 2/3 of time</i>
<i>Occasionally = Less than 1/3 of time</i>

1. Frequent-to-constant standing/walking for short distances on all types of terrain; may walk up to two to three miles per day, depending on job assignment;
2. Occasional sitting while performing job tasks;
3. Frequent lifting/carrying up to 10 to 50 pounds of wire reels, tools, and other equipment as needed for distances up to 1 to 20 feet; assistive devices available for lifting/carrying up to 100 pounds of equipment/supplies;

Wireman

4. Constant pushing/pulling using both hands/arms exerting up to 35 to 50 pounds of force while pulling wire/cables and other job duties;
5. Frequent climbing on scaffolding/ladders while performing job tasks;
6. Frequent bending/twisting at waist/knees/neck while installing/maintaining wiring/cable/electrical fixtures, apparatus, and control equipment;
7. Occasional kneeling/crouching while working at floor/ground level and while doing installation/repair work;
8. Constant use of both hands/arms reaching/handling/grasping/fingering/gripping while performing job duties;
9. Constant use of sight abilities with good visual acuity in near- and mid-range, color perception, hand/eye coordination, and depth perception;
10. Frequent use of speech/hearing abilities communicating with coworkers/supervisors and performing other job tasks;
11. May be required to work in awkward positions and/or confined spaces such as attics or underneath structures while performing job duties.

Mental

1. Must possess good written communication skills in recording data/filling out forms/completing logs;
2. Must have basic mathematical skills including basic algebra and trigonometry;
3. Constant mental alertness and attention to detail are required to avoid serious consequences of financial loss, and maintain a safe working environment;
4. Must have effective problem-solving skills and be able to troubleshoot malfunctions;
5. Must be able to deal with emergency situations, hazardous conditions, and time constraints.

WORKING CONDITIONS AND EQUIPMENT USED

Work is performed outdoors in the field exposed to adverse weather conditions and occasionally indoors in shop/office environment.

Tools & Equipment Used: Hand/power tools, forklift, crane, welding equipment, digging equipment, drill motors, pipe-bending machine, and a variety of test equipment. Safety equipment includes hard hat, safety glasses, back support belt, steel-toed safety shoes, eye/hearing protection, respirator, and anti-contamination suits.

REQUIRED TRAINING AND WORK EXPERIENCE

Four years of experience as a Wireman or completion of a recognized apprenticeship program is required.

OTHER SPECIAL QUALIFICATIONS

A working knowledge of the National Electric Code is required. The incumbent must also be CPR-certified, or pass a CPR training program, such as American Red Cross or equivalent, within one year of hire (reference Safety Code G-20). Valid driver's license required. May be required to be qualified/fitted with respirator.