Mason

JOB PURPOSE

Construct, maintain, and repair of variety of masonry structures. May specialize in plastering, tile setting, tuck pointing, or in the pouring and finishing of concrete.

CHARACTERISTIC DUTIES AND RESPONSIBILITIES

Studies blueprints, drawings, plans or sketches to construct, maintain, and repair a variety of masonry structures such as walls, steps, walkways, concrete pads, floors, curbs, exterior and interior surfaces/coatings.

Shoots grade and lays out site for pouring of footings and foundations. Constructs forms, supports, and bracing systems.

Mixes cement, sand, aggregate, additives, and water to produce concrete, grout, mortar or slurry using hoe, trowel, shovel, or power mixing equipment.

Spreads, levels, and smooths concrete using rake, shovel, hand or power trowel, hand or power screed, and float.

Molds expansion joints and edges using edging tools, jointers, and straight edge.

Mixes and/or applies surface coatings such as sealer, curing and hardening agents, masonry stains and colorings.

Lays and binds building materials such as brick, ceramic tile, concrete block, cinder block, glass block, and terra-cotta block with mortar and other substances.

Breaks or cuts bricks, blocks, rough and irregular stone to size using trowel edge, hammer, and chisel or power saw.

Calculates angles and courses and determines vertical and horizontal alignment of courses. Determines and implements the best layout to achieve a desired pattern.

Repairs and finishes mortar joints between stones, bricks, or blocks of masonry wall. Removes mortar to specified depth using raker, hammer and chisel, power saw, and compressed air. May use mortar bag to force mortar into joints.

Cleans and prepares surfaces. Mixes plaster, stucco, and other compounds to desired consistency and applies to walls, ceilings, or partitions of buildings using trowels, brushes, or spray guns. Caulk windows, doors, or cracks in wall with calking gun.

Performs other general building maintenance as needed.
Participates in the training of apprentices and/or other workers as needed.

Drives vehicle as needed.

**KNOWLEDGE, SKILLS, AND ABILITIES**

Knowledge of and ability to use materials, methods/principles and tools specific to the needs of the Mason trade.

Ability to determine the kind of tools and equipment needed to do a job.

Ability to work in safe and efficient manner.

Knowledge of applicable building codes, regulations or ordinances.

Ability to read and interpret drawings, blueprints and/or schematics.

Ability to operate computer.

**MINIMUM REQUIREMENTS**

**Education:** High school diploma or GED.

**Experience:** Certificate in relevant DOL apprenticed trade OR five years verifiable journey level experience in the field.

**Licenses:** Valid driver’s license and ability to be insured by Indiana University. May be required to acquire and maintain a material-specific abatement certification, supervisor certification or other required certifications.

**PHYSICAL REQUIREMENTS**

Sitting, standing, walking, driving, climbing/ladders, squatting/kneeling, reaching, grasping, pushing/pulling, twisting/bending, lifting/carrying up to 50 lbs multiple times per shift, fingering, talking, hearing, and seeing.

**WORKING CONDITIONS**

Equal amounts of time spent indoors and outdoors, possible exposure to extreme hot or cold temperatures for one hour plus. Possible exposure to distracting/uncomfortable noise levels and vibration of body or extremities. Risk of bodily injury from mechanical parts, electricity, etc. Possible exposure to fumes, odors, etc. that may affect respiration and skin.

A person with a disability who is pursuing employment opportunities with Indiana University and wishes to discuss minimum requirement accommodations should contact the campus HR office.