

WESTERN MICHIGAN UNIVERSITY

TITLE: Maintenance Roofer

GRADE: ST1

FUNCTIONS:

This position provides journey level craft labor, working with tools to install, repair, replace and perform preventive maintenance for all types of roofing, building envelopes, and related fixtures including flashing, counterflashing, sumps, vents, exterior caulk and mortar. The incumbent installs, repairs and maintains EPDM, vinyl, coaltar pitch, asphalt, 3-in-1 shingle, wood shake, metal and other roofing. This position works on roofs of all heights, accessing roofs by way of ship's ladders attached to structures. The incumbent removes deteriorated and saturated roofing and insulation materials, cutting, chopping, shipping, prying or peeling roofing materials and insulation away from adjoining sound roofing sections, parapet walls, projections and other structures. This position cleans stripped areas of all dirt, dust, gravel, debris and other extraneous substances in preparation for reinstallation of roofing systems. These incumbent repairs and maintains the following; mortar joints, caulked joints, brick, tile, and insulation that are directly related to the leaks along the building structure. The incumbent lays in new insulation, including polystyrene, fiberglass, perlite and other fiber insulation materials, ensuring new insulation is laid in proper thickness to bring flush with existing insulation. Insulation is covered with an appropriate roofing membrane and finish roofing materials are applied by the incumbent.

This position utilizes brushes and rollers to apply bonding agents for EPDM roofing; caulks joints with liquid EPDM material; cuts EPDM to size and places on bonding agent; and rolls EPDM laps into bonding agent on roof surfaces. The incumbent employs roofers mops to apply coal tar pitch and asphalt roofing. Shingles and wood shake are applied with hammers and roofing nails; metal roofs are patched with roofing bull and fabric cloth. This position uses hammers, shovels, celotex and/or roofing knives, axes, spuds, manual and power screwdrivers, wrenches, metal-cutters, gasoline powered saws, other cutting devices and other appropriate tools to remove damaged and deteriorated roofing materials. The incumbent removes damaged and deteriorated roofing materials and debris from work sites by lowering them to the ground by ropes or chutes. The incumbent raises materials used in repairs to roof top work sites either by pulling them up on a rope or by using a rope with a wheel well.

The incumbent provides information required to update building and systems drawings to accurately reflect current status and, as assigned, may assist in the technical training of an apprentice. This position determines inventory requirements for supplies, construction materials and replacement parts, and notifies supervisory personnel when (re)ordering is necessary. This position operates a motor vehicle to transport tools, supplies and materials to work sites. The incumbent organizes assigned work so as to minimize materials and manhours required for proper completion of work, and instructs others in the operation of and preventive maintenance for all related tools and equipment.

This position maintains the work area, all tools, all equipment, all supplies and any assigned vehicle(s) in a neat, clean and orderly condition and performs all work in accordance with established safety practices. The incumbent must wear MIOSHA approved safety shoes at all times and must wear a hard hat, gloves and safety glasses when using power tools. Other protective gear must be worn when appropriate. The incumbent must wear no loose-fitting clothing which might become entangled in equipment or machinery, posing a hazard to incumbent's safety. This position performs additional duties as requested by supervisory personnel.

QUALIFICATIONS:

The incumbent must be able to read and comprehend written instructions and safety regulations regarding the performance of job duties, and must have sufficient writing and mathematical skills to prepare estimates and supply requisitions. Must have the ability to familiarize themselves with electronic communication devices for work orders and other communication. The incumbent must be able to interpret complex blueprints, diagrams, written specifications and operating instructions. Completion of a registered apprenticeship program, or an established, certified training program recognized by the University and/or written verification of a minimum of five (5) years experience at the journeyman level in the trade is required. Possession of a valid Michigan driver's license is required for operation of any assigned vehicle used to transport tools, supplies, materials, and equipment between work sites.

In order to perform the essential functions of the job, the incumbent must be able to ascend ship's ladders to heights of eighteen feet (18'), and must be able to work at heights of 8-120 feet above ground level up to 8 hours per day. The incumbent must be able to raise tool-boxes, containers of materials and supplies, and equipment weighing up to 100 lbs to roof tops with the use of a rope with or without the mechanical assistance of a wheel well. The incumbent must be able to manipulate and maneuver a roofers mop saturated with coal tar pitch, with total weight of 50 lbs, up to eight hours per day. The incumbent must be able to apply 50 pounds of force to a shovel, crowbar, spud or other device to pry damaged or deteriorated sections of roofing loose as often as 100 times per day.

The incumbent must be able to raise , manipulate and maneuver hand and power tools, materials and supplies. The incumbent must be able to raise materials to roof top work sites by pulling up on a rope . The incumbent must be able to use brushes, rollers, celotex and roofing knives, hand and power saws, hammers, shovels, axes, spuds, screwdrivers, metal cutters and other tools of the trade. Removing, repairing and applying roofing materials may require the incumbent to work at the level of roof surfaces up to eight (8) hours per day.

In order to obtain a valid Michigan driver's license, the incumbent must possess 20/40 vision with or without corrective lenses. The incumbent must possess 20/20 vision with or without corrective lenses and be able to properly cut, match, place and align insulation and finish roofing materials.

The incumbent must be able to tolerate exposure to the full range of weather conditions and must be able to tolerate extreme temperatures for extended periods of time. The incumbent must be able to work on roof tops where the wind chill factor is 0⁰ F and on roof tops with a surface temperature of

200⁰ F for two (2) hours at a time. The incumbent must be able to work with coal tar pitch and asphalt heated to a temperature of 400⁰ F for the entire length of shift. The incumbent must be able to tolerate exposure to bright sunlight and glare up to 8 hours per day, and must be able to tolerate exposure to dirt, dust, pollen and other airborne debris. The incumbent must be able to tolerate prolonged exposure to coal tar pitch; asphalt; EPDM and related bonding agents; fiberglass, polystyrene, perlite and other insulation fibers.

A physical examination administered by the employer's designated physician is required to determine the incumbent's ability to perform the essential functions of the job and/or identify the need for a reasonable job accommodation.