

BRICKLAYER AND MASON TITLE DEFINITION

I. DEFINITION

BRICKLAYER AND MASON

This is journey level bricklayer and mason work. Employees lay and bind building materials, such as brick, structural tile, concrete block, cinder block, glass block and terra-cotta block, with mortar and other substances to construct or repair walls, partitions, arches, sewers, and other structures. Employees perform bricklayer and mason work at the journey level of skill, normally on a full-time basis and under general supervision. Other related duties may also be assigned as necessary. In addition, positions in this classification may also direct and instruct apprentices, helpers and other assistants.

Positions are assigned any combination of the following duties:

- Apply and smooth mortar or other mixture over work surface.
- Break or cut bricks, tiles, or blocks to size, using trowel edge, hammer, or power saw.
- Calculate angles and courses and determine the vertical and horizontal alignment of courses.
- Construct corners by fastening in plumb position a corner pole or building a corner pyramid of bricks, then fill in between the corners using a line from corner to corner to guide each course, or layer, of brick.
- Fasten or fuse brick or other building material to structure with wire clamps, anchor hole, torch, or cement.
- Interpret blueprints and drawings to determine specifications and to calculate the materials required.
- Lay and align bricks, blocks, or tiles to build or repair structures or high temperature equipment, such as cupola, kilns, ovens, or furnaces.
- Measure distance from reference points and mark guidelines to lay out work, using plumb bobs and levels.
- Mix specified amounts of sand, clay, dirt, or mortar powder with water to form refractory mixtures.
- Remove burned or damaged brick or mortar, using sledgehammer, crowbar, chipping gun, or chisel.
- Apply hardening and sealing compounds to cure surface of concrete, and waterproof or restore surface.
- Apply muriatic acid to clean surface, and rinse with water.
- Check forms that hold the concrete to see that they are properly constructed.
- Chip, scrape, and grind high spots, ridges, and rough projections to finish concrete, using pneumatic chisels, power grinders, or hand tool.
- Clean chipped areas, using wire brush, and feel and observe surface to determine if it is rough or uneven.
- Mix cement, sand, and water to produce concrete, grout or slurry, using hoe, trowel, tamper, scraper, or concrete-mixing machine.
- Mold expansion joints and edges, using edging tools, jointers, and straightedge.
- Monitor how the wind, heat, or cold affect the curing of concrete throughout the entire process.
- Set the forms that hold concrete to the desired pitch and depth, and align them.

- Spread, level, and smooth concrete, using rake, shovel, hand or power trowel, hand or power screed, and float.
- Erect cement, concrete block, or brick foundations and walls.
- Perform bricklaying and stone work according to blueprint or sketch.
- Maintain and repair interior and exterior bricklaying and masonry.
- Erect scaffolds.
- Set ceramic tiles.
- Set and repair marble.
- Set brick pavers in sand bed.
- Analyze cause of water leak into building; prepare work surface and select appropriate caulking material.
- Cut holes through any masonry walls and floors for inter-trade access.
- Keep records and make reports.
- Direct and instruct apprentices, helpers and other assistants in the trade.

II. QUALIFICATIONS

Bricklayer and Mason: Graduation from high school or attainment of age 18 and completion of an apprenticeship approved by the Department of Workforce Development as a Bricklayer and Mason. Formal recognition of status by the appropriate international or local trade organization or some type of similar formal validation of journeyman status may also be accepted. Persons having informal training and experience equivalent to the formal apprenticeship and journeyman status may also be accepted upon submission of documented proof of such training and experience.

Equivalent training and experience for this craft: Evidence of having performed a minimum of 4,680 hours of training or experience in the following work processes: (1) laying of bricks; (2) laying of stone; (3) painting, cleaning and caulking; (4) laying of building units; (5) fireproofing; and (6) care and use of tools and equipment, and related instruction including safety procedures. Such evidence may include letters or statements from past customers/clients and/or employers.

III. RELATED TITLES

Facilities Repair Worker
Facilities Mechanic