

Position Description for a Glazier:

Install glass in windows, skylights, store fronts, and display cases, or on surfaces, such as building fronts, interior walls, ceilings, and tabletops.

Job Duties and Tasks:

1. Cut, assemble, fit, and attach metal-framed glass enclosures for showers, bathtubs, display cases, skylights, solariums, and other structures.
2. Drive trucks to installation sites, and unload mirrors, glass equipment, and tools.
3. Fabricate and install metal sashes and moldings for glass installation, using aluminum or steel framing.
4. Install pre-assembled metal for windows or doors to be fitted with glass panels, using hand tools.
5. Load and arrange glass and mirrors onto delivery trucks, using suction cups or cranes to lift glass.
6. Secure mirrors in position, using mastic cement, putty, bolts, or screws.
7. Cut, fit, install, repair, and replace glass and glass substitutes, such as plastic and aluminum, in building interiors or exteriors.
8. Determine plumb of walls or ceilings, using plumb-lines and levels.
9. Fasten glass panes into wood sashes or frames with clips, points, or moldings, adding weather seals or putty around pane edges to seal joints.
10. Grind and polish glass, and smooth edges when necessary.
11. Measure and mark outlines or patterns on glass to indicate cutting lines.
12. Score glass with cutters' wheels, breaking off excess glass by hand or with notched tools.
13. Measure mirrors and dimensions of areas to be covered in order to determine work procedures.
14. Measure, cut, fit, and press anti-glare adhesive film to glass, or spray glass with tinting solution to prevent light glare.
15. Pack spaces between moldings and glass with glazing compounds, and trim excess material with glazing knives.
16. Prepare glass for cutting by resting it on rack edges or against cutting tables, and brushing thin layer of oil along cutting lines or dipping cutting tools in oil.
17. Read and interpret blueprints and specifications to determine size, shape, color, type, and thickness of glass, location of framing, installation procedures, and staging and scaffolding materials required.
18. Select the type and color of glass or mirror according to specifications.
19. Assemble and cement sections of stained glass together.
20. Assemble, erect, and dismantle scaffolds, rigging, and hoisting equipment.
21. Create patterns on glass by etching, sandblasting, or painting designs.

Job Activities

1. Using hands and arms in handling, installing, positioning, and moving materials.
2. Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.

3. Operating maneuvering, navigating, and/or driving vehicles or mechanized equipment, such as forklifts, passenger vehicles.

Skills Needed

1. Installing equipment, machines, wiring, or programs to meet specifications.
2. Using mathematics to solve problems.
3. Determining the kind of tools and equipment needed to do a job.
4. Controlling operations of equipment or systems.

Abilities Needed

1. The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position.
2. The ability to arrange things or actions in a certain order or pattern according to a specific rule or set of rules (e.g., patterns of numbers, letters, words, pictures, mathematical operations).
3. The ability to exert maximum muscle force to lift, push, pull, or carry objects.
4. The ability to bend, stretch, twist, or reach with your body, arms, and/or legs.
5. The ability to coordinate two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down. It does not involve performing the activities while the whole body is in motion.
6. The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate, or assemble objects.
7. The ability to make fast, simple, repeated movements of the fingers, hands, and wrists.
8. The ability to choose the right mathematical methods or formulas to solve a problem.
9. The ability to add, subtract, multiply, or divide quickly and correctly.
10. The ability to exert muscle force repeatedly or continuously over time. This involves muscular endurance and resistance to muscle fatigue.
11. The ability to use your abdominal and lower back muscles to support part of the body repeatedly or continuously over time without 'giving out' or fatiguing.
12. The ability to coordinate the movement of your arms, legs, and torso together when the whole body is in motion.
13. The ability to keep or regain your body balance or stay upright when in an unstable position.
14. The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.

15. The ability to quickly and repeatedly adjust the controls of a machine or a vehicle to exact positions.

Knowledge, Experience, Education Required:

High School Degree. Knowledge of materials, methods, and the tools involved in the construction or repair of buildings.