

OCCUPATION GUIDE

MASON, BRICK CEMENT STONE TILE

NATURE OF WORK

Sets stone to build stone structures, such as piers, walls, and abutments, or lays walks, curbstones, or special type masonry, such as alberene, (acid –resistant soapstone for vents, tanks and floors) using mason tools.

Lays building materials such as brick, structural tile; and concrete, cinder, glass, gypsum, and terra-cotta to construct or repair walls, partitions, arches and other structures. (Mason, Stone)

Smooths and finishes surfaces of poured concrete floors, walls sidewalks, or curbs to specified textures, using hand tools or power tools. (Mason, Stone, Tile)

Lays firebrick and refractory tile to build, rebuild or patch high temperature or heating equipment, such as boilers, oven furnaces, converters, cupolas, ladles, and soaking pits according to the job orders and blueprints.

Typical Tasks would be shaping stone preparatory to setting, using chisel, hammer and other shaping tools. (Mason, Stone)

Spreads mortar over stone and foundation with trowel and sets stone in place by hand or with aid of crane. (Mason, Stone)

Aligns stone with plume line, and finishes joints between stone and pointing trowel. (Mason, Stone)

Measures distance from reference points, and marks guidelines on working surfaces to layout work. (Mason, Brick, Tile)

Spreads a soft bed (layer) of mortar that serves as base and binder for block using trowel. (Mason, Brick)

Applies mortar to end of block and positions block on mortar bed. (Mason, Brick)

Taps block with trowel to level, align and embed block in mortar, allowing for specified thickness of the joint. (Mason, Brick)

Determines vertical and horizontal alignment of courses, using plumb bob, gauge line (tightly stretched cord), and level. (Mason, Brick)

Fastens brick and terracotta veneer to face of structures, with tie wires embedded in mortar between, or in anchor holes in veneer brick. (Mason, Brick)

Spreads concrete to specified depth and workable consistency, using float to bring water to the surface and produce soft topping. (Mason, Cement)

Levels, smooths, and shapes surfaces of freshly poured concrete using straightedge and float or power screed. (Mason, Cement)

Finishes concrete surfaces, using power trowel, or wet and rubs concrete with abrasive stone to impart finish.

Removes rough or defective spots from concrete surfaces, using power grinder or chisel and hammer, and patches holes with fresh concrete or epoxy compound. (Mason, Cement)

Molds expansion joints and edges, using edging tools, jointers, and straightedge. (Mason, Cement)

Spray materials (gunite) to a specific thickness to cover areas to be protected.

OCCUPATIONAL GUIDE

The following descriptions of these trades refer to Journeyman Craftsmen, you need not have all of the skills listed for the trade you're interested in, if accepted you would be taught these skills. However, you should pay close attention to the needed skills listed to see if you have an interest in that trade. You should also pay attention to the work conditions (heights, chemicals, weather, etc.) to determine if this is a career that you could do for the rest of your life.

BRICKLAYERS/MASON:

Lays building materials such as brick, concrete block, glass block, stone and firebrick to construct walls, arches, partitions, furnaces and other structures. Work from blueprints, use masons hand tools, wet saws, levels and a variety of other tools. Skills used in bricklaying are: the ability to take accurate measurements, using hand tools to apply mortar and to cut masonry units to size, math skills, problem solving and developing a "good eye" for plumb and level. Bricklayers often work on scaffolding, sometimes at great heights and in all types of weather extremes.

POINTER, CAULKER, CLEANER:

Also known as P.C.C. or restoration worker. Commonly works on preexisting buildings in need of repair. Job tasks include cutting out and replacing damaged masonry units with hammer & chisel or power saw, grinding out mortar joints and re-pointing with new mortar, removal and replacement of caulking and the application of sealers. Skills used in P.C.C. are: measurement skills, ability to match work to existing material, use of power tools, use of mason hand tools to work with mortar and patching materials, and caulking skills. P.C.C. workers often work at great heights on "swing stages", much like window washers use, they also handle chemicals on a daily basis and work in all weather extremes.

TILE SETTER:

Works with glazed wall tiles, ceramic mosaics, unglazed quarry tile, marble and terrazzo. The tile setter typically works indoors on floors, walls and ceilings. A tile setter must be able to prepare surfaces to be tiled, perform layout work, float screed and scratch surfaces. They must be able to set all types of tiles on walls, floors, ceilings, drain boards, showers, mantels, swimming pools, domes and arches. Be able to read blueprints, and repair existing installations. Skills useful in tile setting are: measurement skills, ability to recognize and duplicate pattern, work with hand tools- specifically flat trowels and wet saws. Have the ability to square up a room and be able to lay out a pattern. Tile setters work on the knees quite often and set much of the tile by eye so an ability to detect imperfections is useful.

FINISHER-TILE/MARBLE/TERRAZO/GRINDERS:

Tile finishers work on the cleaning and grouting of tile and unloading and unpacking of materials such as sand, cement, tile and lime. Marble Finishers work on pointing, cleaning, and grouting marble. Terrazzo Finishers mix cement and other materials to form the top of the terrazzo surface. Terrazzo Grinders do the grinding, polishing, grouting, and waxing on all terrazzo put down by the mechanic. All finishers must remove debris, mop and clean site. Work consists of assisting, helping or supporting the tile, marble and terrazzo mechanic by performing their traditional work assignments required to complete the installation of the work.

MACHINE, TOOLS, EQUIPMENT, WORK AIDS

Power Grinder, Power Screed	(Mason, Cement)
Diamond Blade Power Saw	(Mason, Brick, Tile)
Crane, Hoist	(Mason, Stone)
Levels	(Mason, Stone, Brick, Tile)
Jointers	(Mason, Brick, Cement)
Trowels, Hammers, Chisels	(Mason, Stone, Brick, Cement, Tile)
Rubbing Stones, straightedge, Screed	(Mason, Cement, Tile)
Blueprints	(Mason, Stone, Brick, Cement, Tile)
Plumb Bob, Rules	(Mason, Stone, Brick)
Knee Pads, Epoxy Compound	(Mason, Cement, Tile)
Guniting Nozzle Gun	

WORKING CONDITIONS

Stands for prolonged periods. (Mason, Stone, Brick, Tile)

Kneels for prolonged periods. (Mason, Cement, Tile)

Climbs ladders and balances on scaffolding. (Mason, Stone, Brick, Tile)

Bends frequently to obtain brick or blocks lying on scaffold. (Mason, Brick)

Bends frequently to obtain & lay stone. (Mason, Stone)

Bends to pull screed, a concrete leveling device. (Mason, Cement, Tile)

Reaches for handles, grasps, and manipulates stones, hand tools, plumb bob and plumb line. (Mason, Stone).

Tools brick and blocks. (Mason, Brick)

Hand and Power tools. (Mason, Cement)

Near vision needed to read blueprints (Mason, Stone, Brick, Cement, Tile) Read guide marks on rulers (Mason, Brick, Tile) and marks on levels. (Mason, Stone, Tile)

Depth perception is required verifying the trueness of alignment of stones, bricks and blocks with plumb bob. (Mason, Stone, Brick, Tile)

Lifts, carries and positions blocks weighing up to 40 pounds. (Mason, Brick, Tile)

Pulls screed with estimate 50+ pounds of effort. (Mason, Cement, Tile)

Lifts power tools weighing up to 25 pounds (Mason, Cement, Tile)

Exposure to noise of power saws and grinders, used to cut blocks & bricks, and from background noise such as heavy equipment and other construction machinery. (Mason, Brick, Cement, Tile)

Exposure to dust when sawing tile, brick, blocks, and grinding concrete. (Mason, Brick, Cement, Tile)

Potential danger from falling off scaffolding and dropping heavy stone or block on feet. (Mason, Stone, Brick, Tile)

Potential danger from falling through floor openings. (Mason, Cement, Tile)

NOTE: Masons usually wear hardhats and safety shoes. (Mason, Stone, Brick, Cement, Tile)

Masons wear respirators when cutting blocks, brick and grinding concrete. (Mason, Brick, Cement, Tile)

Outside work is performed at temperatures from 28 degrees F and up to 95-100 degrees F. Work is sometimes in a confined workspace. In some instances, temperatures may exceed 200 degrees F for short work periods. (Mason, Stone, Brick, Cement, Tile)

**Bricklayers and Allied Craftworkers Local No.3 NY
Buffalo Chapter -J.A.T.C.
Apprenticeship Application Process**

All Applicants **must** meet the following minimum qualifications as recorded with the New York State Department of Labor:

1. Minimum age: 18 yrs. old
2. Must have reliable transportation to work and training
3. Live within jurisdictional counties of: Niagara, Erie, Genesee, Orleans, Wyoming, Allegany, Cattaraugus, Chautauqua
4. Proof of employment authorization to work in the USA
5. Signed affidavit of ability to physically perform work required
6. Drug testing

Applications **can only be taken** on the 1st Tuesday of every month from 8:00am – Noon at the Bricklayers and Allied Craftworkers Local No.3 NY-Buffalo Chapter
1175 William Street, Buffalo, NY 14206 (716) 842-1013

We currently are registered with the New York State Department of Labor to take applications for the following trades:

1. Bricklayer/Mason- 4 yr. program
2. PCC (Pointer, Caulker & Cleaner)-4 yr. program
3. Tile Setter-4 yr. program
4. Tile, Marble & Terrazzo Finisher-3 yr. program

You must select one of these trades at time of application. You may only apply to the BAC Local No.3 NY- Buffalo Apprenticeship once every two (2) years. After you have applied to the Apprenticeship Program you will be contacted to attend an oral interview with both a Union and a Contractor Representative. If you do not attend this interview your application will be denied. You will be given a score based on your interview and placed on a “ranking list” in your respective trade. You will be notified of your individual score and ranking. Applicants will be accepted into the Apprenticeship Program in order of the highest score in each trade and the number of positions available at that time. **Applying does not guarantee acceptance into the Program.**

Applicant's name: _____

Applicant's signature: _____

Date: _____

**Bricklayers and Allied Craftworkers
Local #3 NY Buffalo Chapter
Apprentice Program Training Application**

PERSONAL DATA:

Name: _____

Address: _____

City, State, Zip Code: _____

Home Phone: () _____

Cell Phone: () _____

Email: _____

TRADE SELECTION:

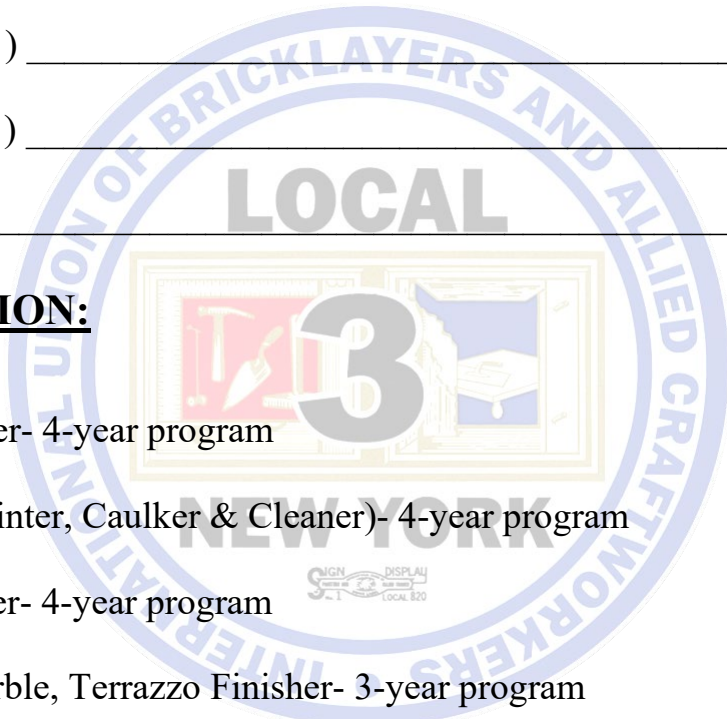
_____ Bricklayer- 4-year program

_____ PCC (Pointer, Caulker & Cleaner)- 4-year program

_____ Tile Setter- 4-year program

_____ Tile, Marble, Terrazzo Finisher- 3-year program

All trades require 160 hours classroom training per year. Bricklayer and PCC programs require 5,000 work hours (1,250 per year) to complete. The Tile Setter program requires 6,000 work hours to complete. The Tile, Marble & Terrazzo Finishers program requires 3,750 work hours to complete.



Apprentice Application

Please print clearly and complete the entire application. Prospective Apprentices will receive consideration without discrimination because of their race, creed, color, sex, age, national origin, handicap, veteran status or any other basis prohibited by government rules and regulations.

PERSONAL INFORMATION:

Name _____
Last First Middle

Address _____

City State Zip Code

Phone _____
Home Phone Cell Phone

EDUCATION:

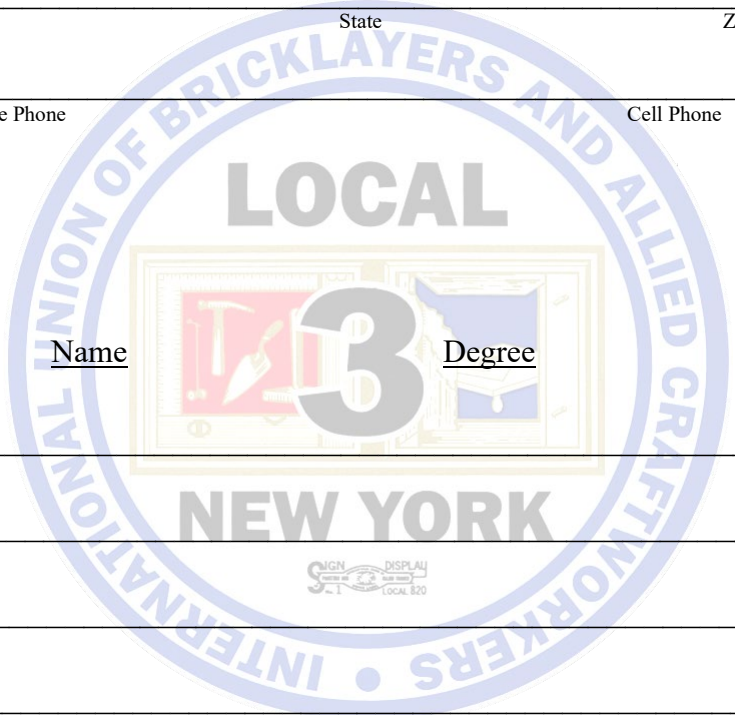
Name **LOCAL 3** Degree Years

HIGH SCHOOL _____

TRADE/TECH _____

COLLEGE _____

GRADUATE _____



EMPLOYMENT: (Start with most recent)

Company Name _____

Address _____

Job Title _____

Job Duties & Responsibilities _____

Dates Worked _____

(Start)

(Stop)

Contact Name & Phone Number _____

Company Name _____

Address _____

Job Title _____

Job Duties & Responsibilities _____

Dates Worked _____

(Start)

(Stop)

Contact Name & Phone Number _____

Company Name _____

Address _____

Job Title _____

Job Duties & Responsibilities _____

Dates Worked _____

(Start)

(Stop)

Contact Name & Phone Number _____



MILITARY:

BRANCH OF SERVICE _____

RANK _____ HONORS _____

DATES OF SERVICE _____
(Start) _____ (Stop)

SPECIAL TRAINING _____

REFERENCES: (At least 3 not related to you)

NAME _____

ADDRESS _____

PHONE NUMBER _____

OCCUPATION _____

YEARS ACQUAINTED _____

NAME _____

ADDRESS _____

PHONE NUMBER _____

OCCUPATION _____

YEARS ACQUAINTED _____

NAME _____

ADDRESS _____

PHONE NUMBER _____

OCCUPATION _____

YEARS ACQUAINTED _____

ACKNOWLEDGMENT: I acknowledge that all the information that I have provided is true, correct and complete. Any misrepresentation or omission may result in an exclusion of application. I give full authorization to verify any information that I have given.

SIGNATURE: _____ **DATE:** _____



TRANSPORTATION & PHYSICAL ABILITY AFFIDAVIT

I, _____, acknowledge that I have received, read and understood the tasks, job descriptions and physical requirements of the trades work for the BAC Local #3 NY. I attest that I am capable of reasonably performing the necessary work performed for these trades. I also certify that I have reliable transportation to get to any jobsite, Union meetings and Training Centers that I am required to attend within the jurisdiction of the BAC Local #3 NY.

Signed _____

Date _____

