

DIY Construction Guide for Your Basement Bathroom Project

Tools & Materials Required

- 8-pound sledgehammer
- Power drill
- Concrete mixing tools
- Basic plumbing tools
- Drywall tools
- Paint brushes
- Tile cutting grinder
- Measuring tape
- Pencil
- Tile laying tools
- PEX plumbing supplies
- Sanding sponge

Step-by-Step Construction Process

1. Planning and Floor Breaking

- Start with measuring the space
- Break concrete floor carefully near existing water pipes
- Dig about 16 inches deep for new plumbing lines

2. Plumbing Setup

- Install main sewer connection with 45-degree angles
- Add toilet flange and sink drain
- Connect PEX pipes for hot and cold water
- Test water connections for leaks

3. Framework and Walls

- Build wall frames with 2x4 lumber
- Account for existing shower space
- Install ceiling supports
- Add backing for ventilation fan

4. Electrical and Ventilation

- Install lighting fixtures
- Set up a bathroom exhaust fan
- Run necessary wiring

5. Wall Completion

- Put up drywall
- Apply joint compound
- Sand surfaces smooth
- Paint walls and ceiling

6. Flooring

- Install heating mat (optional)
- Lay tile around the shower base
- Complete floor tiling

7. Final Touches

- Install vanity and toilet
- Add door and trim
- Mount mirror and towel bars
- Set up flooring thermostat