

SECTION 22 4017 BATHTUBS AND SHOWERS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Showers.
- B. Bathtub and shower faucets, valves, and trim.

1.02 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- B. ASME A112.18.1 - Plumbing Supply Fittings; 2024.
- C. ASME A112.18.2 - Plumbing Waste Fittings; 2020.
- D. ASSE 1014 - Performance Requirements for Backflow Prevention Devices for Hand-Held Showers; 2020.
- E. ASSE 1016 - Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations; 2017 (Reaffirmed 2021).
- F. IAPMO Z124 - Plastic Plumbing Fixtures; 2022, with Editorial Revision.
- G. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.
- H. NSF 61 - Drinking Water System Components - Health Effects; 2025, with Addendum
- I. NSF 372 - Drinking Water System Components - Lead Content; 2024.

1.03 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide manufacturer's literature and data sheets for each product. Include materials of fabrication, rough-in requirements, location and sizes of connections, configurations, dimensions, finishes, features, and accessories.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. See Section 01 7419 - Construction Waste Management and Disposal for packaging waste requirements.
- B. Receive, inspect, handle, and store products in accordance with manufacturer's instructions.
- C. Keep products in original manufacturer's packaging and protect from damage until ready for installation.
- D. Store products indoors in clean, dry area. Protect from water and dirt. Elevate above floor.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. Potable Water Systems: Provide supply fixtures, fittings, valves, and trim certified as complying with NSF 61 and NSF 372.
- B. ADA: Where indicated to be ADA-compliant, provide fixtures complying with ADA Standards and ICC A117.1.
- C. Maximum Fixture and Faucet Supply Pressure: 80 psi (550 kPa) unless stated otherwise.

2.02 SHOWERS

- A. Manufacturers:
 - 1. American Bath Group: www.americanbathgroup.com/#sle.
 - 2. Best Bath Systems: www.bestbath.com/#sle.
 - 3. Or approved equal.
- B. Acrylic and Fiberglass Showers: IAPMO Z124, molded cast acrylic or reinforced glass fiber with acrylic or gel overlay, with slip-resistant surface.

- C. Style:
 - 1. Single-piece shower.
- D. Shower Reinforcing: Factory-installed partial plywood backing for grab bar placement.
- E. Drains: Provide ASME A112.18.2, NPS 2 (DN 50) drain and p-trap.
 - 1. Drain Finish: Match strainer finish to shower trim.
- F. Accessories:
 - 1. Folding Seat: Factory or field installed to meet ADA Standards and ICC A117.1.
 - 2. Grab Bars: Manufacturer provided in quantity, size, and locations to meet ADA Standards and ICC A117.1.
 - 3. Soap dish.
 - 4. Shower rod.

2.03 BATHTUB AND SHOWER FAUCETS, VALVES, AND TRIM

- A. Hand Showers:
 - 1. Assembly: ASME A112.18.1 with shower wand, wall supply elbow, hose, and ASSE 1014 backflow preventer.
 - 2. Control Valve: ASSE 1016, pressure balancing, brass or bronze body with inlet checkstops; integral volume and temperature control with adjustable high-temperature limit stop.
 - 3. Finish: As indicated on drawings.
 - 4. Hose: Minimum 59-inch (1499 mm) flexible metal hose in finish to match shower wand.
 - 5. Flow Rate: Maximum 2.5 gpm (9.5 L/min) at 80 psi (550 kPa).
 - 6. Hand Shower Mounting:
 - a. Grab Bar: ADA-compliant, 36-inch (914 mm) long grab bar with adjustable slide.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify walls, floors, and finishes are prepared and ready for installation of fixtures.
- B. Verify rough-ins for field connections match sizes and locations shown on drawings.

3.02 INSTALLATION

- A. Install products in accordance with manufacturer's instructions.
- B. Install products level and plumb.
- C. Secure fixtures in place.
- D. Install wall-mounted fixtures, trim, and accessories at heights indicated on Architectural drawings.

3.03 FIELD QUALITY CONTROL

- A. See Section 01 4000 - Quality Requirements for additional requirements.
- B. Inspect each product for damage and defects.
- C. Repair or replace damaged or defective products.
- D. Test fixtures after installation to verify operation. Correct deficiencies.

3.04 CLEANING

- A. See Section 01 7000 - Execution and Closeout Requirements for additional requirements.
- B. Clean fixtures to remove dirt, fingerprints, paint, and other foreign material. Restore finishes to match original factory finish.

3.05 PROTECTION

- A. Protect installed products from damage due to subsequent construction operations.

- B. Do not permit use of fixtures by construction personnel.

END OF SECTION

BUILDING FOR ROGERS FACILITIES DEPARTMENT
ROGERS, AR

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DEMX ARCHITECTURE
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