

**SECTION 15450  
PLUMBING FIXTURES**

**A. GENERAL**

1. Provide the required proportion of fixtures that can be used by disabled persons in compliance with the Americans with Disabilities Act.

**B. PRODUCTS**

1. Water Closet: Wall Hung
  - a. White vitreous china, siphon jet action, elongated bowl, 1.5 gpf, 1-1/2" inlet top spud, 2-1/4" passageway.
  - b. American Standard #2257.103 "Afwall" or Kohler #K-4330 "Kingston"
  - c. Carrier: J.R. Smith or Josam
  - d. Open Front Seat: Bemis or Olsonite. Reneke and Church are acceptable at IUPUI.
  - e. Flush Valve: Sloan Regal Pro #111
  - f. Bowl Mounting Height:
    - i. Standard: 15" from floor to rim
    - ii. Handicapped: 18" from floor to rim
2. Water Closet: Floor Mounted
  - a. White vitreous china, siphon jet action, elongated bowl, 1.5 gpf, 1-1/2" inlet top spud, 12" rough-in, 2-1/4" passageway.
  - b. Model:
    - i. Standard: American Standard #2234.015 "Madera" or Kohler #K-4350 "Wellcomme"
    - ii. Handicapped: American Standard #3043.102 "Madera" or Kohler #K-4368 "Highcliff"
  - c. Open Front Seat: Bemis or Olsonite. Reneke and Church are acceptable at IUPUI.
  - d. Flush Valve: Sloan Regal Pro #111
3. Water Closet: Floor Mounted, Tank Type
  - a. White vitreous china, elongated bowl, tank/bowl coupling system, closed coupled flushometer, chrome trip lever, 1.5 gpf, 2-1/4" passage way.
  - b. Model:
    - i. Standard: American Standard #2333.100 "Cadet" or Kohler #K-3505 "Wellworth".
    - ii. Handicapped: American Standard #2377.100 "Cadet" or Kohler #K-3519 "Highline".

- iii. Open Front Seat: Bemis or Olsonite. Reneke and Church are acceptable at IUPUI.
- 4. Urinal: Wall Hung
  - a. White vitreous china, 0.85 - 1.0 gpf, flushing rim, 1-1/4" inlet top spud, 2" outlet.
  - b. American Standard #6601.012 "Lynnbrook" or Kohler #K-4972-T "Stanwell".
  - c. Carrier: J.R. Smith or Josam
  - d. Flush Valve: Sloan Regal Pro #180-1
  - e. Mounting Height:
    - i. Standard: 24" from floor to rim
    - ii. Handicapped: 17" from floor to rim
- 5. High Back Lavatory: Concealed Arms (Standard and Handicapped)
  - a. White vitreous china, front overflow, back and side splash shields, 4" centers, 20" x 18".
  - b. American Standard #0355.012 "Lucerne" or Kohler #K-2005 "Kingston"
  - c. Carrier:
    - i. Floor Mounted Support: J.R. Smith #700 or Josam Series 17100
    - ii. Wall Mounted Support: J.R. Smith #728 or Josam Series 17110
  - d. Mounting Height: 34" from floor to rim
  - e. Faucet: See faucet section
- 6. Flat Slab Lavatory: Concealed Arms
  - a. White vitreous china, front overflow, 4" centers, 20" x 18", faucet ledge, 2" escutcheons.
  - b. American Standard #0195.073 "Roxalyn" or Kohler equivalent.
  - c. Carrier:
    - i. Floor Mounted Support: J.R. Smith #700-E or Josam Series 17100-75
    - ii. Wall Mounted Support: J.R. Smith #728-E or Josam Series 17110-75
  - d. Mounting Height: 34" from floor to rim
  - e. Faucet: See faucet section
- 7. Faucets

- a. Metal lever type, single handle, 4" centers, 3/8" copper supply tubes, replaceable rotating ball type, chrome finish, deck mounting, ceramic disc valve cartridge, cast brass waterways, 1/2" male inlet.
  - b. Models:
    - i. Commercial: American Standard #2175.505.002 or Delta #501. Chicago is acceptable at IUPUI.
    - ii. Residential/Dormitories: American Standard #2175.502.002 or Delta #520-MPU. Chicago is acceptable at IUPUI.
    - iii. For laboratory faucets, refer to the Indiana University Architectural Standards.
  - c. Consult with Engineering Services regarding the use of self-closing or electronic/touchless models.
8. Electric Water Coolers
- a. Split-level, stainless steel top, heavy gauge framing, high efficiency, hermetically sealed compressor, copper construction evaporator and chiller, one-piece chrome plated bubbler, front and side push handles, 120 volts, 60 Hz, 1 phase, approximately 8.0 gph 50° F drinking water, 5 year warranty, 134a refrigerant, optional apron for upper unit.
  - b. Haws #HWBFA8L or Oasis #P8ACSL, Haws H1011.8
  - c. Finish to be approved by Architect/Engineer.
  - d. Mounting Height:
    - i. 36" from floor to bubbler jet for lower unit
    - ii. 43" from floor to bubbler jet for upper unit
9. Sinks
- a. Kitchens: Stainless steel
  - b. Laboratories: soapstone or polypropylene (chemical resistant)
10. Service Sinks
- a. Wall mount, cast iron with porcelain coating. Provide free-standing trap, with floor support.
11. Drinking Fountains
- a. Vitreous china or stainless steel, wall mount, handicapped accessible
12. Showers
- a. Single showers, one piece molded fiberglass construction, commercial quality. Use acrylic at IUPUI.

13. Bathtubs
  - a. Cast iron, enamel coated, 5' long x 32" wide
14. Emergency Shower
  - a. Polished chrome plated, brass showerhead with pull rod complying with all state and federal OSHA requirements. Install such that pull rod is located out of the walking path.
15. Emergency Eyewash
  - a. Wall mounted twin eyewash heads mounted in stainless steel receptacles complying with all state and federal OSHA requirements. At IUPUI, use countertop mounted where appropriate.

## **EXECUTION**

1. Install all fixtures and accessories according to all State and Local Codes.
2. Each water connection to have a loose key stop at each fixture.
3. Each drain/waste shall be properly trapped at or near each fixture using code approved traps.
4. Each plumbing fixture to be filled with water, checked for leaks and replaced if necessary.
5. Clean all exposed metal surfaces from grease, dirt or any foreign matter. Polish chrome plated piping, fittings, and trimmings. Fixtures shall be cleaned according to manufacturer's specifications. Protect fixtures from damage until final acceptance.
6. Mechanical Contractor shall caulk around all wall or floor mounted fixtures using Dow silicone material or approved equal.
7. Furnish and install ADA-compliant protection under all lavatories.