



## **22 4000 – Plumbing Fixtures**

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### A. General:

1. Fixtures shall be of standard types and design and selected for water/energy conservation. Fixtures should be selected from BSU's preferred manufacturers and any deviations should be discussed with the owner early in the design process.
2. Use the same manufacturer for each grouping of faucets, valves, flush valves etc. for an entire building/project as much as possible.
3. In renovation projects, the fixtures should match the existing building's fixtures as much as possible.
4. All fixtures shall be provided with maintenance accessible integral or separate heavy duty loose key stops.
5. All exposed parts of brass fixtures and accessories shall be heavily chrome plated.
6. Allow adequate access space for servicing all valves.

### B. Fixtures

1. Water Closets
  - a. Hands free sensor operated auto flush valves should only be installed on ADA water closets. Non-ADA public water closets shall use manual lever activated flush valves.
  - b. Wall Mounted strongly preferred
  - c. Elongated china bowl
  - d. Open front seat with stops
  - e. Acceptable Manufacturers
    - 1) American Standard
    - 2) Zurn
    - 3) Kohler
2. Toilet Seats
  - a. Acceptable manufacturers
    - 1) Bemis Manufacturing Company
    - 2) Beneke Division; Sanderson Plumbing Products, Inc.
    - 3) Church Seat Company
    - 4) Olsonite Corporation



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3. Urinals
  - a. Hands free sensor operated auto flush valves installed on all urinals.
  - b. Acceptable manufacturers
    - 1) Zurn
    - 2) American Standard
    - 3) TOTO
    - 4) Kohler
  
4. Flushometer valves
  - a. Hands free sensor operated auto flush valves should only be installed on all ADA water closets and urinals. Non-ADA public water closets shall use manual lever activated flush valves.
  - b. Low flow consumption 1.28 GPF and dual-flush flushometers are acceptable
  - c. Acceptable manufacturers
    - 1) Zurn
    - 2) Sloan
  
5. Lavatories
  - a. Acceptable Manufacturers
    - 1) American Standard, Inc.
    - 2) Kohler Company
    - 3) Zurn
  
6. Sinks
  - a. 18 gauge type 302 or 304, stainless steel
  - b. Acceptable Manufacturers
    - 1) Elkay Manufacturing Company
    - 2) Just Manufacturing Company
  
7. Commercial/Industrial Cast-Brass Faucets
  - a. It is preferred that manual faucets be used with low flow restrictors unless otherwise dictated by LEED requirements. Metering faucets should not be used if at possible.
  - b. Acceptable Manufacturers
    - 1) Chicago Faucet Company
    - 2) Zurn Plumbing Products Group; AquaSpec Commercial Brass Operation



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- 3) Delta Commercial
  - 4) Moen Commercial
8. Water Coolers
- a. Acceptable Manufacturers
    - 1) Elkay Manufacturing Company
    - 2) Halsey Taylor;
    - 3) Oasis
  - b. The use and placement of bottle fillers should be discussed during early phases of design with the owner.
  - c. Where bottle fillers are used, they shall be either Halsey Taylor or Elkay.
9. Mop Basins
- a. If at all possible, floor type precast service sinks shall be a minimum size of 24 X 24.
  - b. Provide hose, hose bracket, mop hangar and pail hook double supply spout set at 36" above the rim with SS wall protectors.
  - c. Acceptable Manufacturers
    - 1) Florestone Products
    - 2) Crane Plumbing/Fiat Products
    - 3) Stern-Williams Company, Inc
    - 4) Swan Corporation
10. Grease Traps:
- a. For Dinning facilities a single large grease trap outside the building accessible to a vac-truck.
  - b. In Academic buildings use grease traps at point of use (under the sink) traps rather than having a single large trap for the whole building.