

Fixture

Water Closet – tank type

- Manufacturer: American Standard “Champion”
- Floor mounted
- No pressure tanks
- low flow

Water Closet – flush valve type

- Manufacturer: Kohler or American Standard “Madera”
- Floor mounted
- 2” min. discharge opening
- Flush valve: Sloan Royal or Zurn XL
- High/low flush valves

Sink – commercial kitchen

- Manufacturer: Kohler, Just, Elkay, or American Standard
- Heavy duty stainless steel
- W/basket strainer
- Faucet: T&S heavy duty
- 2.2 gpm

Sink – residential kitchen

- Manufacturer: Kohler, Just, Elkay, or American Standard
- Stainless steel
- Delta (S.S ball) or Moen 7434 faucet w/single lever

- 2.2 gpm

Sink – Floor mounted

- Splash guard 4" above faucet on all adjacent walls,
- Washable surface on wall.
- Delta faucet heavy duty with hose fitting

Lavatory – residential

- Manufacturer: Kohler, Just, Elkay, or American Standard
- 4" centers for fittings
- Overflow drains
- Delta (S.S ball) faucet 523 HDF or Moen 8413 w/single lever
- 1.5 gpm (office/classroom 1.0 gpm)

Water Cooler

Manufacturer: Halsey Taylor or Elkay

Water Cooler Bottle Filler

Model EZSTL8WSLK by Elkay

Shower Valves

Delta Scaldguard HDF w/ stops, Moen 8339 2/stops, or Symmons Safteymix w/stops

Shower Drains

- Manufacturer: Zurn or Josam
- 2 1/4" Flange
- Round
- Floor membrane: 40 mil, Protectowrap AFM-WM, self sticking

Shower Head

- 1.6 gpm
- Adjustable directional spray
- Delta "Low Flow Shower Head " #RP 4638A

Exterior Hose Bibbs

- Manufacturer: Woodruff
- freeze proof
- minimum 2 per building

Circulation Pumps

Manufacturer: Bell & Gossett, Weinmen, or Armstrong (no Taco)

Water Heaters

- Gas = Voyager
- Electric =

Urinal

- Pint flush
- Sloan ROYAL valve

GENERAL NOTES:

Copper pipe

Type L or K only

P-traps

Commercial Grade (17 gauge min.)

Exterior piping

All nonmetallic utility pipes to have #14 ga, tracer wire stubbed up at proper access points (valve boxes, equipment rooms, manhole, etc.) Exception: sewer lines.

Sewer lines

- Do not use cross fittings to serve back to back or side to side fixtures. Use Y's or T's in combination.
- Under slab pipes to be case iron with fernco banc.
- Above slab pipes soundproof schedule 40 PVC acceptable.

Sealing floors

Seal floors and install floor drains in all mechanical rooms with air handling units.

Exterior clean out covers

- Use landscape PVC green covers
- Install flush with ground