

FACILITY SANITARY SEWERAGE	22 13 00
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PIPING

No reducing couplings allowed.

Underground: Service weight cast iron no-hub or hub & spigot joined with compression gaskets.

Above ground:

1. >2 inch service weight cast iron no-hub with stainless steel and neoprene coupling.
2. <2 inch service weight cast iron no-hub with stainless steel and neoprene couplings, or schedule 40 galvanized steel pipe joined with Durham type threaded drainage fittings.

FACILITY STORM DRAINAGE	22 14 00
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Overflow drain and roof drains should be piped independently to outside. Overflow drain piping shall be daylighted through exterior wall, minimum 18" above grade.

PIPING:

No reducing couplings allowed.

Underground: Service weight cast iron no-hub or hub & spigot joined with compression gaskets.

Above ground: Schedule 80 PVC.

DRAINS

1. Area Drain: Cast iron top.
2. Roof Drain: Cast iron with flange, flashing ring, gravel stop, underdeck clamp, extension, sump receiver, dome strainer, vandal proof.
3. Overflow Drain: same as roof drain plus standpipe.
4. Floor Drain: Cast iron body, N.B. top, with sediment bucket.

COMMERCIAL PLUMBING FIXTURES	22 42 00
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Water Connections: Must have rigid metal to metal connections. Slip joints utilizing non-metallic washers are not permitted. All fixtures shall have stops or valves. Risers may not be corrugated tubing.

Install water efficient shower heads and low-flow toilets that exceed building code conservation requirements in all new campus buildings, and where feasible, retrofit existing buildings with these water efficient devices.

FIXTURES

Water Closet: Wall hung, vitreous china, siphon jet action, Maximum Performance (MaP) tested by IAPMO to exceed 500g capacity. With white, open front seat, less cover. Cast iron floor mounted carrier. Dual level water-conserving flush valve (1.1 and 1.6 gal/flush).

Urinal, Handicap: Wall hung, vitreous china. Cast iron floor mounted carrier.

Lavatory: Wall hung, vitreous china, 20 inch by 18 inch. Trim: American Standard, Sevotrim model 1480.115, Kohler or equal. Angle stop with valve handle, perforated grate drain.

Sink (Counter Mounted): 18 gauge, type 304 stainless steel sink counter mounted, single bowl, 19 inch by 18 inch by 10 inches deep stainless steel. Deck mounted faucet, lever handle, gooseneck, rigid spout plain outlet, Water Saver L631, modified Chicago or equal. 17 gauge chrome plated 1-1/2 inch by 1-1/2 inch trap. Drain: 1-1/2 inch tailpiece, grid strainer.

Sink (Free Standing): Free standing, 18 gauge, type 304 stainless steel double compartment scullery sink, 18inch by 24 inch by 14 inch I.D. bowls, 6 feet-0 inches long with 18 inch backsplash, sound deadened. Faucet: Back mounting, mixing with 9 inch swing spout, lever handle, Water Saver L-503, Chicago, or equal. Drain: Grid strainer, 1-1/2 inch tailpiece. Trap: Universal 1-1/2 inch polypropylene, clear base.

Industrial Cold Water Outlet: Straight water valve, Water Saver L-28000, Chicago 937, or equal.

Use solar or low-emission water heaters in new or renovated buildings.

EMERGENCY PLUMBING FIXTURES

22 45 00

GENERAL

Emergency eye or eye/facewash equipment shall be provided in all work areas where, during routine operations or foreseeable emergencies, the eyes of an employee may come in contact with a substance which can cause corrosion, severe irritation or permanent tissue damage or which is toxic by absorption. This equipment must meet the performance and installation requirements of American National Standards Institute (ANSI) Z358.1 1998. UCDEH&S will make final determination on selection of equipment to ensure the equipment meets this standard.

LOCATION OF EQUIPMENT

All campus laboratories that use substances described above must have at least one emergency eye or eye/facewash located within the laboratory and as close as possible to the hazard.

A combination eyewash/emergency shower shall be located within a research laboratory using hazardous chemicals as described above; or a combination eyewash/emergency shower may be located outside the laboratory provided an approved eyewash is located in the laboratory. The combination unit must be located so that travel distance is no more than 10 seconds or 100 feet with no obstructions and only one door to pass through to reach the unit.