

Facility Operations

Plumbing Construction Standards

Pittsburg State University strives to maintain standardization throughout our campus on all vendor supplied equipment. This results in a safe, convenient, organized process when dealing with new construction and remodels. This process also makes the stocking of spare and replacement parts much simpler for our staff.

Pittsburg State University understands that your specifications may vary at times. We ask that all such deviations from these standards be resolved through the University Facility Operations and Planning, Design and Construction Departments prior to proceeding.

1. All plumbing work will comply with all State, City and Utility company standards and codes.
2. Hot water heating systems are to be used for all building construction unless otherwise approved by the University Physical plant.
3. All materials installed must be in current manufacturing process. No obsolete or discontinued materials will be accepted.
4. All faucets will be one of the following brands unless otherwise approved by University Facility Operations. American standard, Chicago, Delta and Kohler. No automatic faucets will be accepted.
5. Mop sink faucets will be Chicago brand unless otherwise approved by University Facility Operations. No automatic faucets will be accepted.
6. No handicap riser seats will be accepted.
7. All water closet seats will be white in color unless otherwise approved by University Facility Operations.
8. Manual water closet and urinal flushometers will be Sloan or Zurn brand unless otherwise approved by University Facility Operations. No automatic flushometers will be accepted.

9. All potable water lines as well as all heating and cooling lines will be protected from electrolysis and insulated.
10. All plumbing piping and valves will be marked with proper labels identifying the system and direction of flow.
11. All plumbing pipe will conform to appropriate manufacturing codes and standards.
12. All copper piping will be type K or L. No type M copper will be accepted.
13. All copper piping less than 2" in diameter can be soldered.
14. All copper piping 2" in diameter or larger will be sill floused.
15. Pro Press Fitting systems are permitted when approved by University Facility Operations.
16. No Sharkbite fittings will be accepted unless otherwise approved by University Facility Operations.
17. Isolation valves will be used on all potable water lines that service fixtures as well as all heating and cooling lines. All isolation valves will be installed in such a manner to provide easy access and will allow branch lines repairs to be made without isolating the entire building.
18. All steam traps will be Dunham Bush, Hoffman or Spirax Sarco.
19. All steam expansion joints will be flanged and a maintenance free design.
20. All direct bury steam lines will utilize expansion loops. No mechanical expansion joints in concrete pits will be allowed.
21. All steam pressure reducing valves will be Spence brand. Regulating range will be 3psi to 15 psi.
22. All steam piping will be a minimum of schedule 40 steel pipe.
23. All condensate piping will be schedule 80 steel.
24. All direct bury steam and condensate lines will be protected with a Rickwell-style insulating system unless otherwise approved by University Facility Operations.

25. All steam vent piping will be piped to the outside of the building.
26. All potable water valves will be Apollo or Nibco brand unless otherwise approved by University Facility Operations. The valves will be ball type and full port. No gate or butterfly valves will be accepted.
27. All circulating pumps will be Bell and Gosset or Armstrong brand unless otherwise approved by University Facility Operations.
28. All direct bury water piping, except for individual irrigation zones, will have a trace wire installed with the piping.
29. Any use of PVC, CPVC or PEX piping requires preapproval from University Facility Operations.
30. No electric “demand” water heaters will be accepted.
31. Backflow preventers will be Wilkins/Zurn, Febco or Watts brand. They will be a reduced pressure zone design and installed in the building unless otherwise approved by University Facility Operations. Supply piping will be a minimum of 3” diameter. It will extend 5 feet outside the building and will be capped.
32. Irrigation system components will be Rainbird brand unless otherwise approved by University Facility Operations.
33. All hot water heating systems will have chemical pots installed for proper water treatment.
34. All contractors will provide the University Facility Operations and Planning, Design and Construction Departments a minimum of 48-hour notice before any interruption in services.