

SECTION 22 11 13
GENERAL PLUMBING PIPING SYSTEMS
Design Standard

PART 1 GENERAL

1.1 PURPOSE

The plumbing piping materials are an essential element of the plumbing systems. This design standard has the purpose of creating a consistent application of plumbing piping material requirements throughout the San Mateo County Community College District, therefore achieving a standard of quality for maintenance and reliability throughout all renovation and new building projects.

PART 2 PRODUCTS

Design and specify work to include materials, installation and testing of pipe, tubing and fittings for complete and operable systems.

- A. Above ground soil, waste and vent piping within buildings, including soil stacks, vent stacks, horizontal branches, traps, and connections to fixtures and drains.
- B. Underground building drain piping including mains, branches, traps, connections to fixtures and drains, and connections to stacks, terminating at connection to sanitary sewers 5 feet outside foundation wall.
- C. Storm building drain piping from conductor piping and area drains to storm sewers 5 feet outside inner face of foundation wall.
- D. Domestic cold water piping.
- E. Domestic hot water piping.
- F. Domestic re-circulating water piping.
- G. Schedules:

| Pipe Service | Location | Material |
|--|------------------------|--------------------------------|
| Potable hot, cold and hot recirculation water. | Above ground | Copper: L |
| Potable hot, cold, and hot recirculation water | Below ground | Copper: K |
| Non-potable cold water | Above and below ground | Copper: K |
| Soil and waste, drainage | Above ground | CISP: No hub or service weight |
| Soil and waste, drainage | Below ground | CISP: No hub or service weight |
| Vents | Above and below ground | CISP: No hub |
| Storm drains | Above ground | CISP: No hub or service weight |
| Storm drains | Below ground | CISP: No hub or service weight |
| Condensate | Above ground | Copper: L |

2.2 APPROVED MANUFACTURERS:

Not Applicable

PART 3 EXECUTION

3.1 SUBSTITUTES ALLOWED?

Not Applicable

3.2 ASSOCIATED DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS:

22 05 29 - Hangers and Supports for Plumbing Piping and Equipment Design Standard

22 05 53 - Identification for Plumbing Piping and Equipment Design Standard

22 05 12 – Plumbing Pipe and Fittings Design Standard

END OF SECTION