

## SECTION 22 13 16 - SANITARY WASTE AND VENT AND STORM PIPING

### PART I - GENERAL

#### 1.1

### PART 2 - PRODUCTS

#### 2.1 SANITARY SEWER PIPE MATERIAL

- A. PVC, CPVC, and cast iron piping are permitted within buildings for sanitary lines. Use ASTM C1540 Heavy-Duty Shielded Couplings with no-hub cast iron piping.
- B. Kitchen sanitary sewer piping shall be PVC or CPVC. Use CPVC where kitchen equipment waste may exceed 140F such as floor drains serving dishwashers.
- C. Laboratory sanitary sewer piping material shall be PP or PVDF. Piping located above accessible ceilings shall have mechanical joints. Piping located above hard ceilings, within walls and in inaccessible chases shall have electro-fusion joints.
- D. Buried sanitary sewer piping outside of the building that is under gravity flow shall be PVC.

#### 2.2 STORM SEWER PIPE MATERIAL

- A. Storm sewer piping above ground shall be cast iron or PVC. Cast iron shall be used in supply air and return air plenums.
- B. Cast iron pipe shall be hub and spigot type or no-hub type. Use ASTM C1540 Heavy-Duty Shielded Couplings with no-hub cast iron piping. Provide fitting restraints for cast iron piping systems. PVC shall have solvent cemented joints.
- C. PVC shall be insulated if located in areas where noise may be an issue.
- D. Buried storm sewer piping outside of the building that is under gravity flow shall be PVC.

### PART 3 - EXECUTION

#### 3.1

END OF SECTION 22 13 16

This section of the *U of I Facilities Standards* establishes minimum requirements only.  
It should not be used as a complete specification.