

## SECTION 221320- BACKFLOW PREVENTION DEVICES

### PART 1-GENERAL

#### 1.1 SECTION INCLUDES

- A. Reduced pressure backflow preventer (Domestic)
- B. Double check detector backflow preventer (Fire)

#### 1.2 SUBMITTALS

- A. Submittals are required and shall include product data noting materials, sizes, and dimensions.

#### 1.3 QUALITY ASSURANCE

- A. Provide backflow prevention devices wherever possible sources of undesirable materials are connected to the potable water system.
- B. The backflow prevention devices shall meet the standards set by the American Society of Sanitary Engineers and the latest addition to the Plumbing Code, Chapter 4101:2-69-01 and air gap standards under American National Standards Institute A112.1.2-1942(1979).
- C. The backflow prevention devices shall be approved for use by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.
- D. Dual check valve per ANSI/ASSE 1024, CSA B64.6.

#### 1.4 WARRANTY

- A. Contractor shall warranty entire systems and equipment for a period of one (1) year.

### PART 2-PRODUCTS

#### 2.1 BACKFLOW PREVENTORS

- A. Acceptable Manufacturers
  - 1. Watts
  - 2. Conbraco
  - 3. Zurn
- B. See model number on plans.

### PART 3-EXECUTION

#### 3.1 INSTALLATION

- A. Install reduced pressure backflow preventer on domestic water service (see schematic on

plans).

- B. Install double detector check backflow preventer on fire protection water service (see schematic on plans).
- C. Units shall be installed in strict accordance with manufacturer's written instructions.
- D. Test each backflow device and submit test data.

221320 END OF SECTION