

**DIVISION 15 – MECHANICAL**

**STEAM AND CONDENSATE SYSTEMS**

**1.0 STEAM PIPING AND FITTINGS**

**1.1 LOW PRESSURE STEAM PIPING (15 PSIG AND UNDER)**

- A. Steel Pipe: ASTM A106, Schedule 40.

**1.2 HIGH PRESSURE STEAM PIPING (>15 PSIG UP TO 150 PSIG)**

- A. Steel Pipe: ASTM A106, Schedule 80.

**1.3 HIGH PRESSURE STEAM PIPING (OVER 150 PSIG)**

- A. Steel Pipe: ASTM A106, Schedule 80.

**2.0 CONDENSATE PIPING AND FITTINGS**

**2.1 STEAM CONDENSATE PIPING**

- A. Steel Pipe: ASTM A106, Seamless, Schedule 80.

**2.2 FLANGES, UNIONS, AND COUPLINGS**

- A. Pipe Size 2 Inches and Under: 150 psig malleable iron unions for threaded ferrous piping.
- B. Pipe Size Over 2 Inches: 150 psig forged steel slip-on flanges for ferrous piping.

**3.0 STEAM VALVES**

**3.1 GATE VALVES AND GLOBE VALVES**

- A. Acceptable Manufacturers:
  - 1. Lunkenheimer.
  - 2. Jenkins.
  - 3. Milwaukee.
  - 4. Watts.

**3.2 SWING CHECK VALVES**

- A. Acceptable Manufacturers:
  - 1. Lunkenheimer.
  - 2. Crane.
  - 3. Jenkins.
  - 4. Milwaukee.
  - 5. Watts.
  - 6. Watson McDaniel.

**3.3 PRESSURE REDUCING VALVES**

- A. Acceptable Manufacturers:
  - 1. Spence.
  - 2. Boylston.

#### 4.0 CONDENSATE VALVES

##### 4.1 GATE VALVES AND GLOBE VALVES

- A. Acceptable Manufacturers:
1. Lunkenheimer.
  2. Jenkins.
  3. Milwaukee.
  4. Watts.

##### 4.2 SWING CHECK VALVES

- A. Acceptable Manufacturers:
1. Lunkenheimer.
  2. Crane.
  3. Jenkins.
  4. Milwaukee.
  5. Watts.
  6. Watson McDaniel.

#### 5.0 STEAM AND CONDENSATE SPECIALITIES

##### 5.1 STEAM TRAPS

- A. Acceptable Manufacturers:
1. Armstrong (preferred).
  2. Illinois.
  3. Barnes & Jones.

##### 5.2 PRESSURE REDUCING VALVES

- A. Acceptable Manufacturers:
1. Spence.
  2. Boylston.

##### 5.3 CONDENSATE PUMPS

- A. Acceptable Manufacturers:
1. Bell & Gosset (preferred).
  2. Burke.

##### 5.4 RECEIVERS

- A. Acceptable Manufacturers:
1. Bell & Gosset.
  2. Burke.

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<b>Prepared By:</b>	Dan Methner
<b>Reviewed By:</b>	Linda Slater, Don McIntyre, Leroy Barnes, Stan Mandziuk, Tom Burke
<b>Approved By:</b>	Steve Lawrence

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