

## PART 1 - GENERAL

### 1.1 SUMMARY

- A. This Section includes the following hangers and supports for mechanical system piping and equipment:
  - 1. Steel pipe hangers and supports.
  - 2. Trapeze pipe hangers.
  - 3. Metal framing systems.
  - 4. Thermal-hanger shield inserts.
  - 5. Fastener systems.
  - 6. Pipe stands.
  - 7. Pipe positioning systems.
  - 8. Equipment supports.
- B. Piping seismic restraints shall be in accordance to SMACNA "Guidelines for seismic restraints of mechanical systems".
- C. Shop Drawings: Signed and sealed by a qualified professional Engineer.

## PART 2 - PRODUCTS

### 2.1 MATERIALS

- A. Standard pipe supports and components shall be manufactured by B-Line, ITT Grinnell, Superstrut, Unistrut, Tolco, or approved equal.
- B. Hanger Rods: Rods shall be carbon steel or 304 stainless steel, threaded on both ends, or continuous threaded and sized as specified.
- C. Metal Framing Channel: Framing channel shall conform to the Metal Framing Manufacturers Association Standard MFMA-1. Framing channel shall be 1-5/8 inches square, roll formed, and 12-gage carbon steel. Channel shall have a continuous slot along one side with inturned clamping ridges. Framing channel shall be Unistrut P-1000 series, Superstrut A-1200 series, or equal.
- D. Insulation Protection Shield: Galvanized sheet metal shields shall be provided at hanger, support and guide locations on pipe requiring insulation.

## PART 3 - EXECUTION

### 3.1 GENERAL

- A. As required by Engineer and code.

END OF SECTION