

SECTION 220553 - IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT

PART 1 GENERAL

1.1 WORK INCLUDED

- A. Identification of plumbing piping and equipment installed under Division 22.

1.2 REFERENCES

- A. ANSI A13.1 - Scheme for the Identification of Piping Systems

1.3 SUBMITTALS

- A. Submit product data under provisions of Section 013300.
- B. Submit list of working, symbols, letter size, and color coding for mechanical identification.
- C. Submit valve chart and schedule, including valve tag number, location, function, and valve manufacturer's name and model number.
- D. Submit manufacturer's installation instructions under provisions of Section 013300.

PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Seton.
- B. A. B. C.
- C. Pittsburgh Paints.
- D. Marking Services, Inc.
- E. Substitutions: Approved equal under provisions of Section 012500.

2.2 MATERIALS

- A. Color: Unless specified otherwise, conform with ANSI/ASME A13.1.
- B. Plastic Nameplates: Laminated three-layer plastic with engraved black letters on light contrasting background color.
- C. Plastic Tags: Laminated three-layer plastic with engraved black letters on light contrasting background color. Tag size minimum 1-1/2 inch diameter.
- D. Metal Tags: Brass or Aluminum with stamped letters; tag size minimum 1-1/2 inch diameter with smooth edges.

- E. Plastic Pipe Markers: Factory fabricated, flexible, semi-rigid plastic, preformed to fit around pipe or pipe covering; minimum information indicating flow direction arrow and fluid being conveyed. Seton "Setmark" or equal.
- F. Plastic Tape Pipe Markers: Flexible, vinyl form tape with pressure sensitive adhesive backing and printed markings.

PART 3 EXECUTION

3.1 PREPARATION

- A. Degrease and clean surfaces to receive adhesive for identification materials.

3.2 INSTALLATION

- A. Plastic Nameplates: Install with corrosive-resistant mechanical fasteners, or adhesive.
- B. Plastic or Metal Tags: Install with corrosive-resistant chain.
- C. Plastic Pipe Markers: Install in accordance with manufacturer's instructions.
- D. Plastic Tape Pipe Markers: Install complete around pipe in accordance with manufacturer's instruction.

3.3 SCHEDULE

- A. Valves: Identify valves in main and branch piping with tags indicating service and area equipment served.
- B. Piping: Identify piping, concealed or exposed, with plastic pipe markers 2-1/2" and smaller and plastic tape pipe markers for 3" and larger. Identify service, flow direction, and pressure. Install in clear view and align with axis of piping. Locate identification not to exceed 20 feet on straight runs including risers and drops, adjacent to each valve and "T", at each side of penetration of structure of enclosure, and at each obstruction.
- C. Identify equipment that is concealed above ceiling by attaching identification markers to the ceiling tile metal suspension system directly below piece of equipment.

END OF SECTION 220553