SECTION 210553

FIRE SUPPRESSION IDENTIFICATION

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Nameplates.

B. Tags.

C. Stencils.

D. Pipe markers.

1.2 RELATED SECTIONS

A. Division 09 - Painting: Identification painting.

1.3 REFERENCES

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

B. NFPA 13 – Standard for Installation of Sprinkler Systems.

1.4 SUBMITTALS AT PROJECT CLOSEOUT

A. Submit under the provisions of Division 01.

B. Record actual locations of tagged valves.

PART 2 PRODUCTS

2.1 NAMEPLATES

A. Manufacturers:
1. Seton Name Plate Company.
2. Other acceptable manufacturers offering equivalent products.
a) Brady U.S.A., Inc.
b) EMED Company, Inc.

B. Description: Laminated three-layer plastic with engraved black letters on light contrasting background color.

2.2 TAGS

A. Manufacturers:
1. Seton Name Plate Company Model M45.
2. Other acceptable manufacturers offering equivalent products.
a) Brady U.S.A., Inc.
b) EMED Company, Inc.

B. Plastic Tags: Laminated three-layer plastic with engraved black letters on light contrasting background color. Tag size minimum 1-1/2-inch diameter.

C. Chart: Typewritten letter size list in anodized aluminum frame.

2.3 STENCILS

A. Manufacturers:
1. Seton Name Plate Company Model 44.
2. Other acceptable manufacturers offering equivalent products.
a) Brady U.S.A., Inc.
b) EMED Company, Inc.

B. Stencils: With clean cut symbols and letters of following size:
1. 3/4 to 1-1/4 inch Outside Diameter of Pipe: 8-inch-long color field, 1/2-inch-high letters.
2. 1-1/2 to 2 inch Outside Diameter of Pipe: 8-inch-long color field, 3/4-inch-high letters.
3. 2-1/2 to 6 inch Outside Diameter of Pipe: 12-inch-long color field, 1-1/4-inch-high letters.
4. 8 to 10 inch Outside Diameter of Pipe: 24-inch-long color field, 2-1/2-inch-high letters.

C. Stencil Paint: As specified in Division 09 semi-gloss enamel colors conform to ANSI A13.1.

2.4 PIPE MARKERS

A. Manufacturers:
1. Seton Name Plate Company Model M39 and M40.
2. Other acceptable manufacturers offering equivalent products.
a) Brady U.S.A., Inc.
b) EMED Company, Inc.

B. Color: Conform to ANSI A13.1.

C. Plastic Tape Pipe Markers: Flexible, vinyl film tape with pressure sensitive adhesive backing and printed markings.

D. Plastic Underground Pipe Markers: Bright colored continuously printed plastic ribbon tape a minimum of 6-inches-wide by 4-mil-thick manufactured for direct burial service.

PART 3 EXECUTION

3.1 PREPARATION

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

B. Prepare surfaces in accordance with Division 09 for stencil painting.

3.2 INSTALLATION

A. Install identifying devices after completion of coverings and painting.

B. Install plastic nameplates with corrosive-resistant mechanical fasteners, or adhesive.

C. Install labels with sufficient adhesive to ensure permanent adhesion and seal with clear lacquer. For unfinished canvas covering, apply paint primer before applying labels.

D. Install tags using corrosion resistant chain. Number tags consecutively by location.

E. Apply stencil painting in accordance with Division 09.

F. Install underground plastic pipe markers 6 to 8 inches below finished grade, directly above buried pipe.

G. Identify air handling units, pumps, heat transfer equipment, tanks, and water treatment devices with plastic nameplates. Small devices, such as in-line pumps, may be identified with tags.

H. Identify control panels and major control components outside panels with plastic nameplates.

I. Identify valves in main and branch piping with tags.

J. Identify air terminal units and radiator valves with numbered tags.

K. Tag automatic controls, instruments, and relays. Key to control schematic.

L. Identify piping, concealed or exposed, with plastic tape pipe markers or stenciled painting. Use tags on piping 3/4-inch diameter and smaller. Identify service, flow direction, and pressure. Install it 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 tee, at each side of penetration of structure or enclosure, and at each obstruction.

END OF SECTION