

## **SECTION 23 19 00 - MECHANICAL IDENTIFICATION**

### **PART 1 - GENERAL**

#### **1.1 WORK INCLUDED**

- A. Provide labor, materials, equipment and services as required for the complete installation designed in Contract Documents.

#### **1.2 QUALIFICATIONS**

- A. All identification devices shall comply with ANSI A13.1 for lettering size, length of color field, colors, and viewing angles.

#### **1.3 SUBMITTALS**

- A. Submit manufacturer's technical product data and installation instructions for each identification material and device. Submit valve schedule for each piping system typewritten on a 8-1/2 in. X 11 in. (minimum), indicating code number, location, and valve function. Submit schedule of pipe, equipment, and name identification for review before stenciling or labeling.

#### **1.4 MAKES**

- A. Allen Systems, Inc., Brady (W.H.) Co.; Signmark Div., Industrial Safety Supply Co., Inc., Seton Name Plate Corp.

### **PART 2 - PRODUCTS**

#### **2.1 GENERAL**

- A. Provide manufacturer's standard products of categories and types required for each application. In cases where there is more than one type specified for an application, selection is installer's option, but provide single selection for each product category.

#### **2.2 PIPING IDENTIFICATION**

- A. Identification Types:
  - 1. Snap-on type: Provide manufacturer's standard pre-printed, semirigid snap-on, color coded pipe markers, complying with ANSI A13.1.
  - 2. Pressure sensitive type: Provide manufacturer's standard pre-printed, permanent adhesive, color coded, pressure sensitive vinyl pipe markers complying with ANSI A13.1.
  - 3. Stencil paint: Apply black or yellow stencil paint directly to covering or bare pipe; color to contrast with background. Stencil as follows:

<u>Pipe or Covering</u>	<u>Size Stencil Letter</u>
1/2", 3/4", 1", 1-1/4"	1/2"
1-1/2", 2"	3/4"
2 1/2" and over	1"

B. Lettering:

1. Piping and Duct labeling shall conform to the following list:

<u>Pipe or Duct Function</u>	<u>Identification</u>
Heating Water Supply	HWS
Heating Water Return	HWR
Ventilation Air	OA
Return Air	RA
Exhaust Air	EA

## 2.3 VALVE IDENTIFICATION

A. Valve Tags:

1. Standard brass valve tags, 2" diameter with 1/2" high numerals. Identify between heating and plumbing services with 1/4" letters above the valve number.
2. Equal to Seton style 300 Cat.

B. Valve Chart:

1. Provide valve chart for all valves provided as a part of this project. Frame and place under clear glass. Hang in Mechanical Room.

## 2.4 EQUIPMENT IDENTIFICATION

A. General:

1. Provide engraved vinyl plates for each major piece of mechanical equipment provided.
2. Nameplates: 3/4" x 2-1/2" equal to Seton Cat. #2060-20.
3. Provide for the following equipment:
  - a) Air handling units (HRU, Heat pumps)
  - b) Pumps

## **PART 3 - EXECUTION**

### **3.1 GENERAL**

- A. Provide valve tags for all valves provided on project.
- B. Provide equipment tags for all equipment listed in Section 2.4 above.
- C. Provide piping identification with directional flow arrows for all piping on project. Maximum every 20'-0". For piping installed through rooms, provide at least one pipe label in each room, for each pipe function.
- D. Provide Duct identification with directional flow arrows for all ductwork on floors 1 through 3 on project. Maximum every 20'-0". For piping installed through rooms, provide at least one pipe label in each room, for each pipe function.

**END OF SECTION**