# GENERAL

## SECTION INCLUDES

### Nameplates.

### Tags.

### Pipe Markers.

### Ceiling Tacks/Stickers.

## REFERENCE SECTION 22 05 00 FOR THE FOLLOWING GUIDELINES

### References

### Related Sections

### Submittals

### Quality Assurance

## PROJECT RECORD DOCUMENTS

### Submit under provisions of Section 01700

### Record actual locations of tagged valves.

# PRODUCTS

## NAMEPLATES

### Equipment Mark Nameplates: Laminated three‑layer plastic with engraved black letters (matching equipment mark indicated on drawings) on light contrasting background color, with minimum 3/4 inch high letters.

### Equipment Nameplates: Factory-applied permanent nameplate indicating the manufacturer’s name, model, serial number, temperature and pressure design, and any other data necessary to conform with specified requirements. On equipment installed outdoors, nameplate shall be stamped steel or engrave plastic.

## TAGS

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

### Chart: Typewritten list that is plastic laminated and mounted in mechanical room. Valve list is to coordinate with mechanical piping schematics if provided on plans.

### Pipe Schematics: Valve numbers are to be labeled on Engineer schematic drawings, plastic laminated and schematic shall be mounted in mechanical room.

## PIPE MARKERS

### Color: Conform to ASME A13.1.

### Plastic Tape Pipe Markers: Flexible, vinyl film tape with pressure sensitive adhesive backing and printed markings; minimum information indicating flow direction arrow and identification of fluid being conveyed.

### Underground Plastic Pipe Markers: Bright colored continuously printed plastic ribbon tape, minimum 6 inches wide by 4 mil thick, manufactured for direct burial service. Provide tape with printing which most accurately indicates the type of service of buried pipe.

## NON-POTABLE WATER SIGNAGE

### OSHA and ANSI compliant on waterproof and corrosion proof materials with indelible print. Lettering to be no smaller than 0.5” in height and shall contrast with background: NON-POTABLE WATER DO NOT DRINK. In addition to the wording, a pictograph shall also be provided.

# EXECUTION

## PREPARATION

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

## INSTALLATION

### Install plastic nameplates with corrosive‑resistant mechanical fasteners, or adhesive. Apply with sufficient adhesive to ensure permanent adhesion and seal with clear lacquer.

### Install tags with corrosion resistant chain.

### Install plastic tape pipe and duct markers in accordance with manufacturer's instructions. Directional arrow tape shall be overlapped to ensure proper adhesion and no peeling of tape in future.

### Identify air handling units, exhaust fans, chillers, pumps, heat generating, heat rejecting, heat transfer equipment, tanks, and water treatment devices with plastic nameplates. Small devices, such as in‑line pumps, may be identified with tags.

### Identify pressure reducing valves, backflow preventers, valves, and meters with tags.

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

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

### Tag automatic controls, instruments, and relays. Key to control schematics.

### Identify piping, concealed or exposed, with plastic tape pipe markers. For pipes ¾” and smaller, identify piping with tags. Identify service, flow direction, and pressure when applicable, i.e. low pressure steam, high pressure steam. Install in clear view from floor and align with axis of piping. Locate identification not to exceed 15 feet on straight runs including risers and drops, more often in congested areas, adjacent to each valve and tee, at each side of penetration of structure or enclosure, and at each obstruction. Provide a minimum one label per pipe per room. Where pipes are racked, install pipe markers on each pipe in the same location to aid in differentiating each pipe in the rack.

### Provide and install non-potable water signage at all non-potable water sources.

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

#### Provide 14 gauge electrical tracer wire above all underground pipe (plastic or other type of utility piping).

END OF SECTION 22 05 53