# GENERAL

## SECTION INCLUDES

### Nameplates.

### Tags.

### Pipe Markers.

### Ceiling Tacks/Stickers.

## REFERENCE SECTION 21 05 00 FOR THE FOLLOWING:

### REFERENCES

### RELATED SECTIONS

### SUBMITTALS

### QUALITY ASSURANCE

### PROJECT RECORD DOCUMENTS

#### 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.

## CEILING TACKS

### Description: 7/8” diameter ceiling tacks.

### Color code as follows:

#### Red ‑ Fire dampers/smoke dampers, sprinkler/standpipe system valves

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

### Identify hose connections cabinets and drain termination points with plastic nameplates.

### Identify tags on backflow preventers, drain valves, test connections, risers, alarm devices, and hose connections with tags. Label each valve as normally open or normally closed, as appropriate.

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

### 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 ceiling tacks or machine generated labels to locate valves, switches, etc. above lay-in type panel ceilings. Locate ceiling tack on the ceiling grid closest to equipment.

END OF SECTION 21 05 53