

1. GENERAL

1.1 Work Included

- .1 Identification of equipment, motors, valves, ferrous and non-ferrous piping.

1.2 Related Work

- .1 Field Applied Protective Coatings: Section 13900
- .2 Factory Applied Protective Coatings: Section 13901

2. PRODUCTS

2.1 Equipment Nameplates

- .1 Provide metal nameplate on each piece of equipment, installed mechanically fastened with raised or recessed letters. Nameplates to indicate size, equipment model, manufacturer's name, serial number, voltage, cycle, phase and power of motors.
- .2 Submit list of plates for review prior to engraving.

2.2 Equipment and Project Identification

- .1 Supply and install white laminated identification plates with 12 mm recessed black letters on all equipment installed under this Contract. The identification shall include the unit name and the project identification number, e.g. Pump.
- .2 Submit list of plates for review prior to engraving.

2.3 Valves

- .1 Provide all valves with a 32 mm diameter brass tag with 12 mm black engraved numbers complete with non-ferrous chains or "S" hooks.
- .2 Consecutively number valves in distinct systems in accordance with the process schematic drawings.
- .3 Furnish a directory consisting of a typewritten valve list showing the tag number, the location of the valve and its use. The directory may be made up in sections to suit the respective plant area or system.
- .4 Mount one copy of these lists in glazed frames as directed by the Contract Administrator. Provide lists in the operating and maintenance manual.

2.4 Piping

- .1 All piping installed under this Contract shall be identified with pipe markers designating the pipe service and the direction of flow.
- .2 Pipe markers shall be stencilled in contrasting colour.
- .3 Direction arrows are to be 150 mm long by 50 mm wide for piping with an outer diameter 75 mm or larger, including insulation. Use 100 mm long by 20 mm wide for smaller diameters. Provide double headed arrows where appropriate.
- .4 Block capital letters are to be used for names, 50 mm high for piping with an outer diameter 75 mm or larger, including insulation. Use 20 mm high for piping with outside diameter less than 75 mm. Use 12 mm high for piping with outside diameter less than 25 mm. Abbreviations for names of the pipe service are provided in this section.

2.5 Colour Coding

- .1 Colour coded system identification shall be carried out on the following items:
 - .1 Piping, valves, and other equipment supplied and installed under this Contract, shall match the existing colour of similar equipment in the station.
 - .2 All equipment supplied under other supply contracts are factory coated and finished. The Contractor for this Contract is only responsible for touch-up painting in case the painting is damaged during equipment delivery or installation.
 - .3 In case an existing colour is not identified for a particular item of equipment, the Contract Administrator shall advise the finished colour.

3. EXECUTION

3.1 Equipment Manufacturer's Nameplates

- .1 Locate nameplates so that they are easily read. Do not paint over plates.

3.2 Equipment and Project Identification

- .1 Plates shall be attached to the equipment with sheet metal screws or nuts and bolts (adhesive will not be accepted).
- .2 Fasten plates in conspicuous locations. Where plates cannot be mounted on hot or cold surfaces, provide standoffs.

3.3 Valves

- .1 Attach brass tags to all valves with supplied chains or S-hooks. Ensure tags are easily accessible and do not conflict with valve operation.

3.4 Piping

- .1 On completion of protective coatings or finish painting, neatly stencil on background, direction flow arrows and the pipe surface.
- .2 Provide pipe markers in readily visible locations. Piping shall be identified:
 - .1 At each valve
 - .2 On both sides of wall penetrations
 - .3 At floor and roof penetrations
 - .4 On each leg of branches
 - .5 Every 15 m along continuous runs

END OF SECTION