

Surface To Be Coated	Finish Coating System
Heating and air conditioning units, convector covers, electrical equipment cabinets, and similar Items and equipment (unless factory finished) exposed to view.	E8
Surfaces of cranes and hoists exposed to view indoors.	E2
Steel yard lighting poles exposed to view or to the elements.	A8
Cast Iron and steel piping inside buildings, including piping to be insulated, valves, fittings, flanges, bolts, pipe support, hangers, and accessories and galvanized surfaces after proper priming.	A2
Pipe supports, hangers, bolts, and accessories inside buildings and galvanized surfaces after proper priming	A2
Copper pipe and tubing, including fittings and valves exposed to view in exterior locations.	F6
Miscellaneous castings, including manhole rings and covers, and manhole steps. (One coat, if not shop coated.)	E2
All metal harness anchorage for buried piping.	A10
Aluminum in contact with concrete.	F1
Boiler breeching and other surfaces which will be hot during operation.	H13
Aluminum and galvanized ductwork and conduit indoors.	F1 or G1
Aluminum and galvanized ductwork and conduit exposed to elements outdoors.	F6 or G6
Aluminum materials exposed to the elements outdoors.	F6

3.10 CONCRETE AND MASONRY SURFACES COATING SCHEDULE

Surfaces to be coated shall include new work and surfaces disturbed by the Work. Surfaces that are not disturbed will not require recoating unless noted otherwise on the Drawings.

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Interior walls for architectural finish only	C2

3.11 MISCELLANEOUS SURFACES COATING SCHEDULE. Not used

3.12 PIPING IDENTIFICATION SCHEDULE

- A. Exposed piping and piping in accessible chases shall be identified with lettering or tags designating the service of each piping system, marked with flow directional arrows, and color coded.
- B. Piping scheduled to be color coded shall be completely coated with the indicated colors, except surfaces specified to remain uncoated shall include sufficiently long segments of the specified

color to accommodate the lettering and arrows. All other piping shall be coated to match adjacent surfaces, unless otherwise directed by Engineer.

C. Location

1. Lettering and flow direction arrows shall be provided on pipe near the equipment served, adjacent to valves, on both sides of wall and floor penetrations, at each branch or tee, and at least every 50 feet in straight runs of pipe. If, in the opinion of Engineer, this requirement will result in an excessive number of labels or arrows, the number required shall be reduced as directed.

D. Metal Tags

1. Where the outside diameter of pipe or pipe covering is 5/8 inch or smaller, aluminum or stainless steel tags shall be provided instead of lettering. Tags shall be stamped as specified and shall be fastened to the pipe with suitable chains. Pipe identified with tags shall be color coded as specified.

E. Lettering

1. Lettering shall be painted or stenciled on piping or shall be applied as snapon markers. Snapon markers shall be plastic sleeves, Brady “BradysnapOn B915,” Seton “Setmark,” or equal. Letter size shall be as follows:

Outside Diameter of Pipe or Covering	Minimum Height of Letters
5/8 inch and smaller	Metal tags - 1/4 inch
3/4 to 4 inches	3/4 inch
5 inches and larger	2 inches

F. Color Coding and Lettering

1. All piping for the following services shall be color coded. Bands shall be 6 inches wide spaced along the pipe at 5 foot intervals. For services not listed, the color coding and lettering shall be as directed by the Engineer.
2. Pipe colors shall match existing at the Owner’s existing site.

Piping Identification		
Service	Color of Pipe	Color of Letters
Compressed Air	Dark green	Black
Distilled Water	Light Blue with white bands	Red
Drain and Plumbing Vents	Dark gray	White
Natural Gas	Yellow with red bands	Black
Treated Water, Finished Water, Service Water	Light blue	White ¹
Sample	Light gray with green bands	Black

G. Notes:

1. Electrical conduit shall be coated to match adjacent ceiling or wall surfaces as directed by Engineer. Vent lines shall be coated to match surfaces they adjoin.
2. In addition, special coating of the following items will be required:

Item	Color
Valve handwheels and levers	Red
Hoist hooks and blocks	Yellow and black stripes
3. Numerals at least 2 inches high shall be painted on or adjacent to all accessible valves, pumps, flowmeters, and other items of equipment which are identified on the Drawings or in the Specifications by number.

End of Section