

then the material gauges, details of manufacturer, finish, etc., shall be in accordance with his standard practice, directions or specifications. The Contractor shall be responsible for any infringement of patents, royalties, or copyrights which may be incurred thereby.

1.9 SUBMITTALS

- A. Submit shop drawings or catalog data for Architects approval before purchasing or installing the following items:
 - 1. Air Conditioning Equipment
 - 2. Grille, Diffusers and Registers
 - 3. Exhaust Fans
 - 4. Louvers
 - 5. Duct Shop Drawings (where different from design drawings)
 - 6. Test and Balance Report
 - 7. Shop drawings for mounting details of air handling units and rooftop heatpumps.
 - 8. Plumbing Fixtures
 - 9. Water Heaters
 - 10. Water Coolers
 - 11. Piping (where revised from design drawings)

1.10 PERFORMANCE DATA

- A. All performance data specified herein shall be considered actual performance of equipment as installed. Make suitable allowances if installation details are such that actual operating conditions unfavorably affect performance as compared to conditions under which the equipment was rated.

1.11 OPERATION AND MAINTENANCE DATA

- A. Provide four (4) complete sets of compilation of catalog data of each manufactured item of equipment used in the Mechanical and Plumbing Work. In addition to the catalog data, installation, operating and maintenance data and bill of materials for all operating equipment shall be submitted. Each of the four sets of data shall be bound in loose leaf binders and submitted to the Architect before final payment is made. A complete double index shall be provided as follows:
 - 1. Listing the Products alphabetically by name.
 - 2. Listing the names of manufacturer's alphabetically by name together with their addresses and the names and addresses of local sales representatives.
- B. Include the following information where applicable: Name and Mark number, Location, Complete Nameplate Data, Certified Record Drawing and Shop Drawings, Parts List, Performance Curves, Wiring Diagrams, Lubrication Charts, Manufacturer's operating and maintenance instructions with all non-applicable information deleted.
- C. Maintenance instruction manuals shall include complete oiling, cleaning, and servicing data compiled