

PART 1 - GENERAL REQUIREMENTS

1.01 SUMMARY

- A. This Section specifies the basic requirements for electrical components which are an integral part of packaged plumbing equipment. These components include, but are not limited to factory furnished motors, starters, and disconnect switches furnished as an integral part of packaged plumbing equipment.
- B. Specific electrical requirements (i.e. horsepower and electrical characteristics) for plumbing equipment are scheduled on the Drawings.
- C. System shall be complete and operational with power and control wiring provided to meet the design intent shown on the drawings and specified within the specification sections.

1.02 SUBMITTALS

- A. No separate submittal is required. Submit product data for motors, starters, and other electrical components with submittal data required for the equipment for which it serves, as required by the individual equipment specification Sections.

1.03 QUALITY ASSURANCE

- A. Electrical components and materials shall be UL labeled.
- B. All electrical equipment provided and the wiring and installation of electrical equipment shall be in accordance with the requirements of this Section and Division 26.

PART 2 - PRODUCTS AND MATERIALS

2.01 GENERAL

- A. The Contractors shall provide all motors, starters, disconnects, wire, conduit, etc. as specified in the Construction Documents. If, however, the Plumbing Contractor furnishes a piece of equipment requiring a different motor, starter, disconnect, wire size, etc. than what is shown and/or intended on the Construction Documents, the Plumbing Contractor shall coordinate the requirements with any other Contractor and shall be responsible for any additional cost incurred by any other Contractor that is associated with installing the different equipment and related accessories for proper working condition.
- B. Refer to Division 26, "Common Work Results for Electrical" for specification of motor connections

- C. Refer to Division 26, "Enclosed Switches and Circuit Breakers" for specification of disconnect switches.

PART 3 - EXECUTION

3.01 CONTRACTOR COORDINATION

- A. Unless otherwise indicated, all motors, equipment, controls, etc. shall be furnished, set in place and wired in accordance with Table 1. Any items not listed but shown on the drawings shall be considered part of the Contract Documents and brought to the attention of the Architect.
- B. The General Contractor is the central authority governing the total responsibility of all trade contractors. Therefore, deviations and clarifications of this schedule are permitted provided the General Contractor assumes responsibility to coordinate the trade contractors different than as indicated herein. If deviations or clarifications to this schedule are implemented, submit a record copy to the Engineer.

TABLE 1: ELECTRICAL REQUIREMENTS FOR PLUMBING EQUIPMENT

| ITEM | FURN BY | SET BY | POWER WIRING | CONTROL WIRING |
|--|------------|-----------|-----------------|-------------------|
| Equipment motors | DIV 22 | DIV 22 | DIV 26 | --- |
| Factory furnished motor starters, contactors and disconnects | DIV 22 | DIV 26 | DIV 26 | DIV 23 |
| Loose motor starters, disconnect switches, thermal overloads and heaters. | DIV 26 | DIV 26 | DIV 26 | DIV 23 |
| Factory assembled control panels | DIV 22 | DIV 26 | DIV 26 | DIV 23 |
| Control relays and transformers | DIV 22 | DIV 22 | DIV 26 | DIV 23 |
| Thermostats (line voltage) | DIV 22 | DIV 22 | DIV 26 | --- |
| Time switches | DIV 22 | DIV 22 | DIV 26 | DIV 23 |
| Temperature control panels | DIV 22 | DIV 22 | DIV 26 | DIV 23 |
| Variable speed drives | DIV 22 | DIV 22 | DIV 26 | DIV 23 |
| Motor and solenoid operated valves | DIV 22 | DIV 22 | DIV 23 | DIV 23 |
| Laboratory Safety Devices | DIV22 | DIV 26 | DIV 26 | DIV 23 |

DIV 22 = Plumbing Contractor

DIV 26 = Electrical Contractor

DIV 23 = Building Automation System Contractor, refer to Division 23 Section "Direct-Digital Control for HVAC".

END OF SECTION

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