

PART 1 - GENERAL

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| <u>1.1 RELATED WORK</u> | .1 | Mechanical: Divisions 21, 22, 23 & 25. |
| | .2 | Motor Starters: Section 26 29 10. |
| | .3 | Appendix B - Mechanical Equipment Schedule. |
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| <u>1.2 REQUIREMENTS</u> | .1 | Provide a complete system of wiring to motors and mechanical controls as specified herein and as shown on the drawings. |
| | .2 | Unless specifically noted otherwise, wire and leave in operation all electrically operated equipment supplied under contracts related to this project or relocated as part of the scope. Examine the drawings and shop drawings of all Divisions for the extent of electrically operated equipment supplied under other divisions. |
| | .3 | Unless specifically noted otherwise, supply all disconnects, relays, starters, etc., necessary for the operation of equipment. Check all starters, relay coils and thermal elements to ensure that they provide the necessary protection for motors. |
| | .4 | Do not operate motors and controls until approval is obtained from the trade providing equipment. |
| | .5 | Examine drawings and shop drawings of other Divisions to obtain exact location of motors and equipment shown on drawings. Where necessary, obtain conduit locations from other trades' drawings and shop drawings. |
| | .6 | Assist in placing in operation all mechanical equipment having electrical connections. |
| | .7 | Provide three phase starters with fused 120 volt control transformers and overload relays. |
| | .8 | Provide all power wiring for all motors. |
| | .9 | Provide power wiring for heating ventilating and air conditioning equipment. Provide terminations in starters and MCCs for control wiring so that starter control circuits may be |
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- 1.2 REQUIREMENTS (Cont'd)
- .9 (Cont'd)
extended. Where 120 volt power is required for mechanical equipment, i.e. roll type filters, refrigerated aftercoolers, control cabinets, etc. wiring to the equipment terminals is the work of this Division.
- .10 Refer to Mechanical Equipment Schedule (Appendix B).
- .11 The motor control work which shall be provided under Division 26 shall include the following:
- .1 All conduit and control wiring specifically noted on the drawings and outlined in the different parts of the Specification.
 - .2 Conduit and control wiring for baseboard heaters, unit heater and force flow heater thermostats.
 - .3 All control wiring as specified in the Motor Schedule.
 - .4 Control wiring related to air handling shutdown during fire alarm.

PART 2 - PRODUCTS

- 2.1 3-PHASE MOTOR DISCONNECT SWITCHES
- .1 Industrial Type "A", having quick make, quick break visible blade mechanism, cover interlocks and padlocking switch in the closed or open position. Use EEMAC 4 enclosures outdoors, and EEMAC 1 indoors, switches to be H.P. rated, heavy duty type.
- 2.2 120 VOLT, 1-PHASE MOTOR DISCONNECT SWITCHES
- .1 Manual disconnect switch HP rated (starter) without overload relay.
- 2.3 208 VOLT, 1-PHASE MOTOR DISCONNECT SWITCHES
- .1 Manual disconnect switch HP rated (starter) without overload relay - two pole.

PART 3 - EXECUTION

- 3.1 INSTALLATION
- .1 Provide disconnect switches adjacent to all motors.
 - .2 Provide all wiring between all force flow and unit heaters and their thermostats. Install wiring between all mechanical components to provide a functional system.
 - .3 Do control wiring as indicated on the drawings and the motor control schedules.