

SECTION 262727 - EQUIPMENT WIRING SYSTEMS

PART 1 - GENERAL

1.1 WORK INCLUDES

- A. Base and Alternate Bids:
 - 1. Contractor Provide:
 - a. Electrical connections to all equipment indicated on the drawings and in specifications.

1.2 RELATED SECTIONS

- A. Division 23 – Connection to equipment as defined in each section.
- B. Section 260533 – Conduit.
- C. Section 260519 – Building Wire and Cable.
- D. Section 260534 – Boxes.
- E. Section 262816 – Enclosed Switches.

1.3 REFERENCES

- A. NEMA WD 1 - General Purpose Wiring Devices.
- B. NEMA WD 6 - Wiring Device Configurations.
- C. ANSI/NFPA 70 - National Electrical Code.

1.4 REGULATORY REQUIREMENTS

- A. Conform to requirements of ANSI/NFPA 70-2008.
- B. Furnish products listed and classified by UL as suitable for purpose specified and shown.

1.5 COORDINATION

- A. Coordinate work with all other Contractors.
- B. Obtain and review shop drawings, product data, and manufacturer's instructions for equipment furnished under other sections.
- C. Determine connection locations and requirements with the supplying Contractor.

- D. Sequence rough-in of electrical connections to coordinate with installation schedule for equipment.
- E. Sequence electrical connections to coordinate with start-up schedule for equipment.
- F. Allow for locations within 15 feet of those shown on the Drawings without additional charges.

PART 2 - PRODUCTS

Not Used.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that equipment is ready for electrical connection, wiring, and to be energized.

3.2 ELECTRICAL CONNECTIONS

- A. Make electrical connections in accordance with equipment manufacturer's instructions.
- B. Make conduit connections to equipment using flexible conduit. Use liquid-tight flexible conduit with watertight connectors in damp or wet locations.
- C. Make wiring connections using wire and cable with insulation suitable for temperatures encountered in heat producing equipment.
- D. Provide suitable strain-relief clamps and fittings for cord connections at outlet boxes and equipment connection boxes.
- E. Install disconnect switches, controllers, control stations, and control devices as indicated.
- F. Modify equipment control wiring with terminal block jumpers as indicated.
- G. Provide interconnecting conduit and wiring between devices and equipment where indicated.

END OF SECTION 262727