SECTION 260580 – EQUIPMENT WIRING SYSTEMS

PART 1 - GENERAL

1.1 WORK INCLUDES

A. Contractor Provide:

1. Electrical connections to equipment specified under other sections.

1.2 REFERENCES

A. ANSI/NFPA 70 - National Electrical Code.

1.3 COORDINATION

A. Coordinate work under this section with all work provided by 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 prior to rough-in. Provide allowances in conduit, wire, hangers, etc. for rough-in locations to be modified by 15 feet.

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.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that equipment is ready for electrical connection, wiring, and energization.

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 Liquidtight 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.

H. Where flexible metal conduit or liquid tight flexible metal conduit is used for connection to equipment, a separate insulated conductor (size per NEC) shall be provided for equipment ground. Terminate each end on suitable lug, bus, or bushing.

END OF SECTION 260580