Division 260520
Equipment Wiring
DESIGN GUIDE

1 General

1.1 Introduction

A. This section applies to the following:

1. Electrical connections to equipment

2 Materials

2.1 Cords and Caps

A. Cap construction shall be heavy duty nylon construction with external cord clamp and dead-front construction, with rating and NEMA configuration molded on the device. Match NEMA receptacle configuration at outlet provided for equipment.

B. Cord construction shall be type SO multi-conductor flexible cord with identified equipment grounding conductor, suitable for use in damp locations.

C. Site Temporary power

1. 100A pin & sleeve, 208v, 3ph

D. Food Truck power

1. 30A, 208V, NEMA L14-30R outlet

3 Execution

3.1 Electrical Connections

A. Make conduit connections to equipment using flexible conduit. Use liquidtight flexible conduit with watertight connectors in damp or wet locations.

B. Provide lockable disconnecting safety switches for mechanical equipment and for permanently connected motors, unless the connected equipment is complete with an approved disconnecting means, or is adjacent to another approved means of disconnect for the circuit. Disconnection devices shall be fused safety switches except where manual motor starters or toggle switches are allowed by the ELSM. Provide fused safety switches with the appropriate type and size of fuses.

C. Motor and starter wiring shall be done in complete accordance with wiring diagrams provided by the supplier. Provide auxiliary contacts and interface wiring for disconnect installed between a VFD and associated motor load. VFD's shall be wired such that it cannot start while the downstream disconnect is in the off position.

D. Provide 120V connection for irrigation controller at each building. Confirm controller locations with landscape designer.

4 Appendix

4.1 Reserved for future.