

CONSTRUCTION SPECIFICATION 670. LIGHTING SYSTEM IMPROVEMENT

1. SCOPE

The work shall consist of furnishing materials and installing all components of the lighting system improvements, as outlined in this specification and the drawings.

Any existing electrical fixtures and wiring that is found, during new installations, not in conformance with current codes and standards, shall be upgraded to meet current codes.

2. MATERIALS

All materials used shall conform to the quality and type noted on the drawings, set forth in Section 6, and as otherwise set forth in the National Electrical Code, Article 547, Agricultural Buildings (NFPA, 2011).

5. IMPROVEMENTS INSTALLED ACCORDING TO STANDARD DETAIL DRAWINGS PREPARED BY OTHERS

Commercially available electrical fixtures shall be installed as shown on the drawings provided to and concurred in by NRCS. All materials furnished and installed shall conform to the quality and grade noted on the drawings. A site specific set of construction drawings shall be at the site during construction.

3. FOUNDATION PREPARATION AND STRUCTURAL CONDITIONS

Any foundation or building modification that is required shall be done in accordance with Construction Specification PA313, unless otherwise set forth in Section 6. All material removed by clearing and excavation operations shall be disposed of as directed by the Owner or his/her Representative.

Modification of the improvements outside limits shown on the drawings shall not be made without prior review and approval by the Engineer with appropriate approval authority. The Supplier or Contractor who submitted the original standard detail drawings shall be responsible for making any changes. Sufficient design documentation to allow an adequate review of the proposed modification shall accompany any request for a change.

4. INSTALLATION

All wiring and fixture installations shall conform to the manufacturer's recommendations, unless otherwise set forth in any local, state, and national electrical codes and fire protection standards.

Within thirty (30) days of the completion of improvements, the Contractor or Supplier shall furnish written certification to the Engineer that all aspects of the installation are in conformance with the requirements of the drawings and specifications, including but not limited to:

Installation shall be by a qualified professional (Manufacturer's Representatives, Equipment Companies, Ag Building Companies, Electricians, etc.), except that replacement of light bulbs, can be done by landowner.

- Certifications from local building code official.
- Invoices that verify the type, material, or size of component being installed.

- A copy of an approved revision for a change in the original audit recommendation by their TSP.
- Certification from the qualified professional that the installation was installed as per manufacturer's requirements and applicable codes.

6. ADDITIONAL CONDITIONS WHICH APPLY TO THIS PROJECT ARE: