

SECTION 161001
ELECTRICAL MATERIALS (S-18)

1. DESCRIPTION

This specification shall govern all work required for furnishing and installing electrical equipment required to complete the project.

2. GENERAL

The contractor shall install electrical equipment in accordance with the National Electric Code Requirements.

The contractor may incorporate existing electrical control panel, conduit and other electrical materials into the project provided that it is in compliance with the drawings and approved by the Engineer.

The contractor may substitute materials of equal or superior quality provided that they are approved by the Engineer.

Motors

Each of the three pumps shall be driven by a vertical hollow shaft 25 HP, 1800 RPM Motor of squirrel cage, induction, normal starting torque, low starting current type of NEMA Design B. Each shall be of the weatherproof type with Class A-1 insulation and provided with non-reverse ratchets. Each motor shall be provided with strip heaters suitable for 120 volt single phase current. All name plates shall be of stainless steel. The motor shall be designed for operation on three phase, sixty hertz, 480 volt power. Motor shall be totally enclosed, fan cooled.

3. MEASUREMENT AND PAYMENT

Measurement shall be made as a lump sum for all electrical equipment furnished and installed by the contractor.

Payment shall fully compensate the contractor for all materials supplied and incidental storage and handling.