PART 1: GENERAL

1.01 SYSTEM PERFORMANCE

A. The fire pump control panel shall be actuated by a pressure, deluge, manual, or other approved system switch. Upon actuation, the control panel shall automatically close the motor starter in a reduced-voltage stage. The motor starter will provide the fire pump motor with full voltage after a time delay.

B. The fire pump control panel shall be furnished from the factory with a disabled auto run timer.

C. The fire pump control panel electric supply shall be connected to the building’s emergency generator. The fire pump control panel electric supply shall be connected to the main bus before the building’s main secondary disconnect switch/circuit breaker if the fire pump control panel is not connected to an emergency generator.

PART 2: PRODUCTS

2.01 FIRE PUMP CONTROL PANEL ELECTRIC SUPPLY

A. Conductors for the fire pump control panel system shall be stranded THHN/THWN copper.

B. The fire pump control panel system circuits and wiring shall be installed in a separate and independent conduit system from other system circuits. Rigid galvanized steel conduit shall be used. Concrete encased where required by code.

C. Junction boxes containing fire pump control panel electric supply wiring, circuits, and conductors shall have red covers and be marked “FIRE PUMP” in ¾" (three-quarter inch) white letters.