SECTION 26 36 05 – HEAVY-DUTY SAFETY SWITCHES

PART 1 - GENERAL

1.1 THE REQUIREMENT

A. Furnish and install heavy-duty, double-throw safety switches for manual transfer of loads between alternate sources of supply and single-throw safety switches for motor disconnect.

1.2 CODES AND STANDARDS

A. The heavy-duty safety switches shall conform to the requirements of:
   1. UL 98 – Enclosed Switches

1.3 SUBMITTALS

A. Provide outline drawings with dimensions, and equipment ratings for voltage, amperage and short circuit in accordance with MASS Section 10.05 Article 5.6.

PART 2 - PRODUCTS

2.1 SAFETY SWITCH

A. The safety switches used as transfer switches shall be heavy-duty, manually operated, single-throw or double-throw switches, full load make or break rated. Switches shall include a NO contact that is made in the A and B position.

B. Switch shall be UL listed for use as service equipment and is to be labeled for this application.

C. Switch shall have switch blades which are visible when the switch is OFF and the cover is open.

D. Lugs shall be front removable and UL listed for aluminum or copper.

E. All current carrying parts shall be plated to resist corrosion.

F. The UL listed short circuit current rating of the double throw switch shall be 10,000 rms symmetrical amperes.

G. Provisions for padlocking the switch in the OFF position shall be provided.

H. Motor disconnect switches installed in lift station pad mounted control panels shall be rotary disconnect switches Allen-Bradley Bulletin 194RF, or equal.
2.2 ENCLOSURE

A. The safety switch shall be furnished in a NEMA Type 1 enclosure with gray baked enamel paint which is electrodeposited on cleaned, phosphate pre-treated galvannealed steel.

B. The enclosure shall be supplied with a metal nameplate which includes ON-OFF-ON markings.

2.3 MANUFACTURERS

A. Safety switches shall be manufactured by Square D, Allen-Bradley, or equal.

PART 3 - EXECUTION

3.1 INSTALLATION

A. The safety switch shall be installed in accordance with the Manufacturer’s requirements and recommendations.

END OF SECTION 26 36 05