

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 galvanized 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