

PART 1 - GENERAL

1.1 SUBMITTALS

- A. Submit shop drawings for review including the following:
 - 1. Transfer switch drawings with single line diagram, elevation, plan, overall dimensions, weights, layout of components and devices, enclosure type, short circuit withstand ratings, seismic calculations, nameplate schedule, anchor points, front panel layout, conduit area and entry points, interconnecting wiring diagrams, rated voltage, rated current, and conductor sizes.
 - 2. Available fault current withstand ratings.
 - 3. Five (5) copies of operator's manual.
 - 4. Installation instructions.
 - 5. Technical cut-sheets for transfer switch, instrumentation, heaters and other components.
 - 6. Factory test results.
 - 7. Certified prototype test reports.
 - 8. Warranty.

1.2 WARRANTY

- A. Contractor shall guarantee equipment and installation free from defects in materials and workmanship for a period of five (5) years from the date of start-up.

PART 2 - PRODUCTS

2.1 GENERAL

- A. The complete switch assembly shall be listed under UL-1008 for use on emergency and legally required standby systems in accordance with CEC and NFPA 99 requirements.

2.2 RATINGS

- A. The transfer switch shall be automatic type.
- B. The transfer switch shall be rated as follows:
 - 1. Continuous duty with switched neutral (ampacity and poles shall be project specific)
 - 2. 480Y/277V 3PH 4W 60Hz
 - 3. Withstand and close rating of 65000A RMS symmetrical
 - 4. Suitable for indoor use (NEMA 1)
 - 5. Equipment shall be floor-mounted type.
 - 6. Dual-motor or approved equivalent operation

2.3 MANUFACTURERS

- A. Manufacturer of the Automatic Transfer Switch shall be Kohler, Russelectric, Zenith or equal.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install transfer switch in accordance with manufacturer's written instructions, NFPA and NEMA standards, and CEC requirements.

3.2 START-UP AND TRAINING

- A. Equipment inspection, start-up, testing and training shall be supervised and documented by the supplier.
- B. Check all circuits for continuity and safety prior to energization. Notify University's Representative prior to energization such that adequate preparation is made for power.
- C. Provide University's Representative with instruction and operating manuals.
- D. Train University's Representative (or appropriate staff) for a period no less than two hours in regard to start-up, operation, and maintenance of the transfer switch and its components.
- E. The equipment shall be tested by a quality third party testing agency.

END OF SECTION