SECTION 33 77 00.03

15KV SUBMERSIBLE VACUUM SWITCH - OIL FILLED

PART 1 GENERAL

1.1 DESCRIPTION

This document covers submersible, load break switches for use in an underground electrical distribution system.

1.2 INCORPORATED DOCUMENTS

Latest applicable NEMA and ANSI standards for dead front, oil filled switch with vacuum load interrupters.

1.3 SUBMITTALS

A. Submit shop drawings containing information of dimensions, weight, and fabrication details.

B. Submit manufacturer’s test report.

PART 2 PRODUCTS

2.1 GENERAL DESCRIPTION

A. Manufacturer: Trayer Engineering
   898 Pennsylvania Ave.
   San Francisco, CA 94107
   Phone:(800) 377-1774

B. Type: Submersible load break switch

C. Catalog No. 104-CM-32 with special features for Stanford University, Utilities Department. Refer to ordering information on file at Trayer Engineering.

D. No Substitutions allowed

2.2 ELECTRICAL CHARACTERISTICS

A. Nominal Rating: 15kV, 3-Phase, 60 Hz.

B. Switches: 600 Amp, 4-way, 4-way switched.

C. Bushings: 600 AMP apparatus bushings without male stud.
C. Vacuum load interrupters rating: 600 Amp, 95 kV BIL

D. Insulating Liquid: Mineral Oil, ASTM D-3487.

2.3 ACCESSORIES

A. Vault Style, Round Tank, Top Access

B. Provide parking stands.

C. Photo engraved stainless steel diagrammatic main nameplate.

2.4 CONSTRUCTION

A. Provide top mounted lifting eyes, drilled for a clevis and no side protrusions.

B. Provide the following accessories:

   1) Liquid level indicator.

   2) Ground terminals.

C. Stainless steel tank.

D. All bussing shall be copper.

PART 3 EXECUTION

3.1 FACTORY TESTS

Perform factory tests according to ANSI Standards and submit test reports to the Owner prior to shipment.

3.2 PROCUREMENT - SHIPPING AND DELIVERY

Notify the Owner 24 hours prior to delivery at the phone number provided in the Purchase Order.

END OF SECTION