

SECTION 26 24 13 - MAIN SERVICE/DISTRIBUTION SWITCHBOARD

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Circuit breakers to be provided for existing switchboards.

1.2 REFERENCES

- A. ANSI/NFPA 70- National Electrical Code.
- B. NEMA AB 1 - Molded Case Circuit Breakers and Molded Case Switches.

1.3 SUBMITTALS

- A. Product Data: Provide electrical characteristics including voltage, frame size, trip ratings and fault current withstand ratings of circuit breakers.

1.4 OPERATION AND MAINTENANCE DATA

- A. Maintenance Data: Include spare parts data listing; source and current prices of replacement parts and supplies and recommended maintenance procedures and intervals.

1.5 REGULATORY REQUIREMENTS

- A. Conform to requirements of ANSI/NFPA 70.
- B. Furnish products listed and classified by Underwriters Laboratories, Inc. as suitable for purpose specified and shown.

1.6 FIELD MEASUREMENTS

- A. Verify that the space within existing switchboards for mounting circuit breakers, and that the size/rating of existing circuit breakers within existing switchboards is as indicated on the drawings.

PART 2 - PRODUCTS

2.1 CIRCUIT BREAKERS FOR EXISTING SWITCHBOARDS

- A. Manufacturers: The manufacturer and type of circuit breakers to be provided for existing switchboards shall match the existing circuit breakers that presently exist. Circuit breakers shall be provided that maintain existing switchboard short circuit ratings.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that existing switchboard configurations match that which is shown on the drawings. If discrepancies exist, contact the Engineer before submitting shop drawings for review.

3.2 INSTALLATION

- A. Install circuit breakers within existing switchboard in accordance with manufacturer's written instructions and NEMA PB 2.1.
- B. Tighten connections and mechanical fasteners using a calibrated torque wrench in accordance with manufacturer's standards.

3.3 ADJUSTING

- A. Adjust circuit breaker trip and time delay settings to values as instructed by the Engineer.

3.4 CLEANING

- A. Touch up scratched or marred Surfaces to match original finish.

END OF SECTION 26 24 13