PART 1 GENERAL

1.01 SECTION INCLUDES
A. Circuit breaker switchgear.

1.02 SUMMARY
A. This standard includes Medium Voltage Switchgear used for electrical distribution.
B. The intent of these standards are to provide input to the design team on the University's preference of manufacturers, design, equipment options, and quality assurance to maintain the longevity of its assets.

1.03 REFERENCE STANDARDS
A. NFPA 70 - National Electrical Code; National Fire Protection Association; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.04 DESIGN REQUIREMENTS
A. Basis of Design: Square D
B. All switchgear rooms shall be provided with emergency lighting originating with the building emergency lighting system. The emergency lights shall be unswitched and not on a timer.
C. All switchgear requiring metering shall be equipped with ION-7300 Meters. Contact U of D Electrical Engineer prior to specifying, and prior to installing meters as needed.
D. All medium voltage switchgear requiring meters shall be supplied from the switchgear manufacturer with instrument class Current Transformers (CT’s) installed and wired to a CT shorting block. All medium voltage switchgear shall be supplied from the switchgear manufacturer with instrument class Potential Transformers (PT’s) installed.
E. All outdoor switchgear installations shall have internally powered strip heaters with thermostat.

1.05 SUBMITTALS
A. Product Data: Provide electrical characteristics and connection requirements, standard model design tests, and options.
B. Manufacturer's Installation Instructions.
C. Maintenance Data: Include maintenance instructions for cleaning methods; cleaning materials recommended; instructions for circuit breaker removal, replacement, testing and adjustment, and lubrication.

PART 2 PRODUCTS

2.01 MANUFACTURERS
A. Basis of Design: Square D
   1. Schneider Electric; Square D Products: www.schneider-electric.us.
   2. ABB: www.abb.com

END OF SECTION