**26 24 19 MOTOR CONTROL CENTERS**

**PART 1 GENERAL**

1.01 SECTION INCLUDES

A. Motor Control Centers.

1.02 SUMMARY

A. This standard includes low voltage Motor Control Centers 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. Provide phase loss protection for all 3 phase motors.

C. All motors greater than 20 horsepower shall have power factor correction, with a targeted result of 94-97%.

D. Motors controlled by a variable frequency drive (VFD), refer to standard section 26 29 23.

1.05 SUBMITTALS

A. Product Data: Provide catalog sheets showing voltage, controller size, ratings and size of switching and overcurrent protective devices, short circuit ratings, dimensions, and enclosure details.

B. Manufacturer’s Instructions: Indicate application conditions and limitations of use stipulated by testing agency. Include instructions for storage, handling, protection, examination, preparation, and installation of product.

C. Maintenance Data: Replacement parts list for controllers.

**PART 2 PRODUCTS**

2.01 MANUFACTURERS

A. Schneider Electric; Square D Products: www.schneider-electric.us.

B. Allen-Bradley: www.rockwellautomation.com