SECTION 262816 – ENCLOSED SWITCHES

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Contractor Provide:

1. Fusible switches.
2. Non-fusible switches.
3. Fuses.

1.2 REFERENCES

A. NEMA KS 1 - Enclosed Switches.

B. NFPA 70 - National Electrical Code

C. UL 198C - High-Interrupting Capacity Fuses; Current Limiting Type.

D. UL 198E - Class R Fuses.

E. UL 198 - Class J Fuses.

1.3 SUBMITTALS

A. Submit Product Data: Provide switch ratings and enclosure dimensions.

B. Submit Manufacturer's Instructions: Indicate application conditions and limitations of use stipulated by Product testing agency specified under Regulatory Requirements. Include instructions for storage, handling, protection, examination, preparation, installation, and starting of Product.

1.4 QUALIFICATIONS

A. Manufacturer: Company specializing in manufacturing Products specified in this Section with minimum three years documented experience.

1.5 REGULATORY REQUIREMENTS

A. Conform to requirements of NFPA 70.

B. Furnish products listed and classified by a Nationally Recognized Testing Laboratory (NRTL) as suitable for purpose specified and shown.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. General Electric.

B. Square-D.

C. Siemens.

D. Cutler Hammer

2.2 ENCLOSED SWITCHES

A. Fusible Switch Assemblies: NEMA KS 1, Type HD load interrupter enclosed knife switch with externally operable handle interlocked to prevent opening front cover with switch in ON position. Handle lockable in OFF position. Fuse clips: Designed to accommodate Class R fuses, Class L and Class J in main switchboards. Provide an equipment grounding kit.

B. Non-fusible Switch Assemblies: NEMA KS 1, Type HD load interrupter enclosed knife switch with externally operable handle interlocked to prevent opening front cover with switch in ON position. Handle lockable in OFF position. Provide an equipment grounding kit.

C. Enclosures: NEMA KS 1.

1. Interior Dry Locations: Type 1.
2. Exterior Locations: Type 3R.

2.3 FUSES

A. Manufacturers:

1. Bussman.
2. Gould/Shawmut.
3. Littlefuse.

B. Description: Dual element, current limiting, one-time fuse, 250 or 600 volt, UL 198E, Class RK 1, Class J and Class L.

C. Interrupting Rating: 200,000 RMS amperes.

D. Provide three (3) spare fuses of each fuse type and size.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install disconnect switches where indicated.

B. Install fuses in fusible disconnect switches.

C. Provide adhesive label on inside door of each switch indicating UL fuse class and size for replacement.

D. Provide label on front of all enclosures as specified in 260553.

END OF SECTION 262816