

SECTION 16441 - ENCLOSED SWITCHES

GENERAL

1.1 SECTION INCLUDES

- A. Disconnect Switches.
- B. Fuses.

1.2 RELATED SECTIONS

- A. Section 16180 - Equipment Wiring Systems

1.3 REFERENCES

- A. NEMA KS 1 - Enclosed Switches.
- B. ANSI/NFPA 70 - National Electrical Code.

1.4 SUBMITTALS

- A. Submit product data under provisions of Section 16010.
- B. Include outline drawings with dimensions, and equipment ratings for voltage, capacity, horsepower, and short circuit.

PRODUCTS

2.1 DISCONNECT SWITCHES

- A. Acceptable manufacturers:
 - 1. *Square D*
 - 2. *General Electric*
 - 3. *Cutler-Hammer*
 - 4. *Siemens*
 - 5. Substitutions: Or Approved Equal.
- B. Nonfusible Switch Assemblies: NEMA KS 1; Type HD; quick-make, quick-break, load interrupter enclosed knife switch with externally operable handle interlocked to prevent opening front with switch in ON position. Handle lockable in OFF position.
- C. Fusible Switch Assemblies: NEMA KS 1, Type HD, quick-make, quick-break, 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.

- D. Enclosures: NEMA KS 1; Type 1. For indoor locations; Type 3R for outdoor locations.

2.2 FUSES

- A. Acceptable manufacturers:
 - 1. *Bussman.*
 - 2. *Shawmut-Gould*
 - 3. Substitutions: Or Approved Equal.
- B. Fuses 600 amperes and less: ANSI/UL 198E, Class RK5 dual element 600-volt.

EXECUTION

3.1 INSTALLATION

- A. Provide unfused disconnect switches for general motors. Provide fused disconnect switches for elevator controller, feeder and for elevator cab branch circuit power.
- B. Install disconnect switches as specified in Section 16180 and/or where indicated on Drawings.
- C. Mount disconnect switch handle 60 inches (maximum) above adjacent working surface, with not less than 36 inches clearance in front of switch (floor to ceiling).

END OF SECTION