

SECTION 16440
DISCONNECT SWITCHES

PART 1 GENERAL

1.1 WORK INCLUDED:

- A. Disconnect switches.
- B. Fuses.
- C. Enclosures.

1.2 REFERENCES

- A. ANSI/UL 198C - High-Intensity Capacity Fuses; Current Limiting Types.
- B. ANSI/UL 198E - Class R Fuses.
- C. FS W-F-870 - Fuse holders (For Plug and Enclosed Cartridge Fuses).
- D. FS W-S-865 - Switch, Box, (Enclosed), Surface-Mounted.
- E. NEMA KS 1 - Enclosed Switches.

1.3 SUBMITTALS

- A. Submit product data under provisions of Section 01300.
- B. Include outline drawings with dimensions, and equipment ratings for voltage, capacity, horsepower, and short circuit.

PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS - DISCONNECT SWITCHES

- A. Square D. * currently used on site
- B. General Electric. *currently used on site
- C. Cutler Hammer.
- D. Siemens/ITE.

2.2 DISCONNECT SWITCHES

- A. 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.
- B. Non-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.
- C. Enclosures: NEMA KS-1; as indicated on Drawings.
- D. Provide ground bar kit for equipment grounding conductors.
- E. Provide neutral bar kit where neutral(s) are present in disconnect switch.

2.3 ACCEPTABLE MANUFACTURERS - FUSES

- A. Gould Shawmut.
- B. Bussmann.
- C. Reliance Fuse.
- D. Substitutions: Under provisions of Section 01600.
- E. Little Fuse

2.4 FUSES

- A. Fuses 600 Amperes and Less: ANSI/UL 198E, Class RK1; or RK5, keep dual element, current limiting, time delay, one-time fuse, 250 or 600 volt.

- B. Interrupting Rating: 200,000 rms amperes.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install disconnect switches where indicated on Drawings.
- B. Install fuses in fusible disconnect switches.

END OF SECTION