PART 1 - GENERAL

1.01 WORK INCLUDED

1. Disconnect Switches
2. Fuses
3. Enclosures

1.02 REFERENCES

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

1.03 SUBMITTALS

A. Submit product data under provisions of Division 01.

B. Include outline drawings with dimensions, and equipment ratings for voltage, capacity, horsepower, and short circuit.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS—DISCONNECT SWITCHES

1. Square D
2. Cutler Hammer
3. Siemens
4. General Electric
5. Substitutions: Under provisions of Division 01

2.02 DISCONNECT SWITCHES

A. Fusible Switch Assemblies: NEMA KS 1; Type HD, FS W-S-865; 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: FS W-F- 870.

B. Nonfusible Switch Assemblies: NEMA KS 1; Type HD, FS W-S-865; 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. All service disconnects shall be “Heavy-Duty Type.” General duty equipment is not acceptable.

2.03 ACCEPTABLE MANUFACTURERS—FUSES

1. Bussmann
2. Gould-Shawmut
3. Littelfuse
4. Substitutions: Under provisions of Division 01

2.04 FUSES

A. Fuses 600 Amperes and Less: ANSI/UL 198E, Class J for feeders and transformer loads and Class RK 5 for motor loads. Dual element, current limiting, time delay, one-time fuse, 250 or 600 volt.

B. Interrupting Rating: 200,000 rms amperes

C. Spare fuses shall be provided in the amount of 10% of each size and type of fuse installed; but, in no case, shall be less than three (3) spares for each different size and class of fuse being provided. Store in fuse cabinet of sufficient size to house all fuses (provided by Electrical Contractor), located by Architect/Engineer.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Install disconnect switches where indicated on drawings. Where equipment is manufactured/provided with integral disconnecting means, disconnect switches shall not be required.

B. Install fuses in fusible disconnect switches.

C. Fuses and fuse holders shall be equipped with UL Class “R” rejection clips.

D. All fusible switches which contain current limiting fusing shall have UL Class “R” rejection clips

E. Fuses shall be dual element and current limiting.

1. When using fuses of ratings above 600 amperes, specify 600 volt UL Class “L”, current limiting/ time delay/dual element with 200,000 ampere interrupting capacity (AIC).
2. When using fuses of ratings 600 ampere and below, specify UL Class RK1 current limiting/time delay/dual element with 200,000 ampere interrupting capacity (AIC).
3. All fuses shall be by the same manufacturer.
4. All multi-pole breakers shall have factory installed common trip handle ties.
5. Install in accordance with manufacturer's instructions and per NEC 110.26.

**END OF SECTION**