

## SECTION 26 28 16

## ENCLOSED SWITCHES AND CIRCUIT BREAKERS

## PART 1 - GENERAL

## 1.1 SECTION INCLUDES

- A. Service and General Disconnect Switches.
- B. Fuses.

## 1.2 REFERENCES

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

## 1.3 SUBMITTALS

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

## PART 2 - PRODUCTS

## 2.1 SERVICE AND GENERAL DISCONNECT SWITCHES

- A. Acceptable manufacturers:
  - 1. *Square D.*
  - 2. *General Electric.*
  - 3. *Siemens*
  - 4. Substitutions: None permitted
- B. Non-fusible General Disconnect 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 Service 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. General Disconnect fuses 600 amperes and less: ANSI/UL 198E, Class RK5 dual element.
- C. Service Switch fuses 600 amperes and less: Class L current limiting.

### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. Provide unfused disconnect switches for general motors, except where packaged equipment is supplied by the manufacturer with integral means of disconnect.
- B. Provide fused disconnect switches for elevator controller, feeder and for elevator cab branch circuit power. Provide mechanical disconnect interlock contact on elevator controller switch.
- C. Provide fused disconnect switches for service entrance conductors. Switches shall be service entrance rated.
- D. 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 26 28 16