Part 1 General

1.1 RELATED SECTIONS

.1 Section 26 05 00 - Common Work Results for Electrical.

1.2 REFERENCES

.1 Canadian Standard Association (CSA)/CSA International.

.1 CSA C22.2 No. 106-05 (R2010), HRC- Miscellaneous Fuses.

1.3 ACTION AND INFORMATIONAL SUBMITTALS

.1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.

.2 Product Data:

.1 Provide fuse performance data characteristics for each fuse type and size above 200 A. Performance data to include: average melting time-current characteristics.

.3 Shop Drawings:

.1 Provide shop drawings in accordance with Section 01 33 00 - Submittal Procedures.

1.4 DELIVERY, STORAGE, AND HANDLING

.1 Ship fuses in original containers.

.2 Do not ship fuses installed in switchboard.

.3 Store fuses in original containers in storage cabinet.

1.5 EXTRA MATERIALS

.1 Provide maintenance materials in accordance with Section 01 78 00 - Closeout Submittals.

.2 Three spare fuses of each type and size installed above 600 A.

.3 Six spare fuses of each type and size installed up to and including 600 A.

1.6 ACCEPTABLE PRODUCTS AND MATERIALS

.1 Where a particular brand name is stipulated, see Instructions to Bidders for procedure for requesting approval of substitute materials and products.

Part 2 Products

2.1 FUSES - GENERAL

.1 Fuse type references L1, L2, J1 have been adopted for use in this specification.

.2 Fuses: product of one manufacturer.

.3 Fuses: to CSA C22.2 No. 106.

2.2 FUSE TYPES

.1 Class L fuses, interrupting capacity 200 kA.

.1 Type L1, time delay, capable of carrying 500% of its rated current for 10 s minimum.

.2 Type L2, fast acting for distribution feeders.

.2 Class J fuses, interrupting capacity 200 kA.

.1 Type J1, time delay, capable of carrying 500% of its rated current for 10 s minimum.

2.3 FUSE STORAGE CABINET

.1 Fuse storage cabinet, manufactured from 2.0 mm thick aluminum 750 mm high, 600 mm wide, 300 mm deep, hinged, lockable front access door finished in accordance with Section 26 05 00 - Common Work Results for Electrical.

2.4 ACCEPTABLE PRODUCTS

.1 Ferraz Schawmut (Mersen).

.2 Edison (Cooper Industries).

.3 Cooper Bussmann.

.4 Replacement materials or products: approved by addendum according to Instructions to bidders.

Part 3 Execution

3.1 INSTALLATION

.1 Install fuses in mounting devices immediately before energizing circuit.

.2 Ensure correct fuses fitted to physically matched mounting devices.

.3 Ensure correct fuses fitted to assigned electrical circuit.

.4 Install fuse storage cabinet in main electrical room and put spare fuses in it.

END OF SECTION