

PART 1 - GENERAL

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| <u>1.1 RELATED REQUIREMENTS</u> | .1 | Section 26 28 23 - Disconnect Switches - Fused and Non-Fused. |
| <u>1.2 ACTION AND INFORMATIONAL SUBMITTALS</u> | .1 | Provide submittals in accordance with Section 01 33 00. |
| | .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.
.2 Submit drawings stamped and signed by professional engineer registered or licensed in Province of Ontario, Canada. |
| <u>1.3 DELIVERY, STORAGE AND HANDLING</u> | .1 | Ship fuses in original containers. |
| | .2 | Do not ship fuses installed in switchboard. |
| | .3 | Store fuses in original containers in storage cabinet located in main electrical room. |
| | .4 | Waste Management and Disposal:
.1 Separate waste materials for reuse and recycling in accordance with Section 01 74 20. |
| <u>1.4 EXTRA MATERIALS</u> | .1 | Provide maintenance materials in accordance with Section 01 78 00. |
| | .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. |
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PART 2 - PRODUCTS

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| <u>2.1 FUSES -
GENERAL</u> | .1 | Fuse type references L1, L2, J1, R1, etc. have been adopted for use in this specification. |
| | .2 | Fuses: product of one manufacturer. |
| <u>2.2 FUSE TYPES</u> | .1 | Class L fuses.
.1 Type L1, time delay, capable of carrying 500% of its rated current for 10 s minimum.
.2 Type L2, fast acting. |
| | .2 | Class J fuses.
.1 Type J1, time delay, capable of carrying 500% of its rated current for 10 s minimum.
.2 Type J2, fast acting. |
| | .3 | Class R-R fuses. For UL Class RK1 fuses, peak let-through current and its' peak let-through values not to exceed limits of UL 198E-1982, table 10.2.
.1 Type R1, (UL Class RK1), time delay, capable of carrying 500% of its rated current for 10 s minimum, to meet UL Class RK1 maximum let-through limits.
.2 Type R2, time delay, capable of carrying 500% of its rated current for 10 s minimum.
.3 Type R3, (UL Class RK1), fast acting Class R, to meet UL Class RK1 maximum let-through limits. |
| <u>2.3 FUSE STORAGE
CABINET</u> | .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. |
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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.
 - .1 Install rejection clips for Class R fuses.
 - .3 Ensure correct fuses fitted to assigned electrical circuit.
 - .4 Where UL Class RK1 fuses are specified, install warning label "Use only UL Class RK1 fuses for replacement" on equipment.
 - .5 Install spare fuses in fuse storage cabinet.