1. GENERAL

1.01 SECTION INCLUDES

.1 End-of-Line Devices.

.2 Fault Isolators.

.3 Wire Guards.

1.02 RELATED REQUIREMENTS

.1 Section 28 46 13 – Fire-Alarm Systems.

.2 Section 28 46 31.31 – Fire-Alarm Manual Initiating Devices: manual pull station covers.

1.03 REFERENCES

.1 CAN/ULC-S524-14 – Installation Standard for Fire Alarm Systems.

1.04 UNIT PRICES

.1 Refer to Document 00 43 00.26.

.2 Unit price to supply and install wire guard for any fire alarm device.

1.05 CLOSEOUT DOCUMENTS

.1 As-Built Drawings: include location and zone of all End-of-Line devices.

1.06 MAINTENANCE MATERIAL SUBMITTALS

.1 Extra Stock Materials

.1 Provide (supply and install) an additional [five] of each of the following devices as directed during construction. Turn over unused surplus in addition to those devices listed above:

.1 Fault Isolators.

.2 End-of-Line devices.

.3 Wire guard.

.2 Spare Parts

.1 Supply the following additional equipment as spare parts in a proper metal enclosure sized to accept the equipment as listed herein. Label the enclosure fire alarm spare parts. Enclosure shall be placed in the same room as the FACP.

.1 Supply three of each type of other installed initiating, notification, or controlling devices.

.3 Tools

.1 Supply three of each type of any special tools required for system use and maintenance.

2. PRODUCTS

2.01 END OF LINE DEVICES

.1 One watt type resistors mounted within outlet boxes separate from those for other devices at the locations indicated. Provide on the cover plate for each such device on approved nameplate, engraved "END-OF-LINE RESISTOR" or with an approved symbol. Provide red lamacoid plate with white 6 mm letters identifying zone.

.2 [Finish of end of line device cover plates to be priced based on stainless steel finish; confirm exact finish with the Consultant during submittal review process.]

2.02 FAULT ISOLATORS

.1 Module shall detect and isolate a short-circuited segment of a fault-tolerant loop whilst allowing the rest of the addressing circuit to function normally.

2.03 DEVICE GUARDS

.1 Description: Welded wire mesh of size and shape for the initiation, signaling, or other device requiring protection.

.1 Factory fabricated and furnished by manufacturer of device.

.2 Finish: Paint of colour to match the protected device.

.2 Pull station covers: as described in Section 28 46 31.31.

3. EXECUTION

3.01 INSTALLATION

.1 Installation to Section 28 46 13 and CAN/ULC-S524.

.2 End-of-Line devices:

.1 Provide End-of-Line devices as directed by the manufacturer on Class B circuits.

.2 Install 1800 mm above finished floor in interior spaces and provide a label indicating the zone service.

.3 Installation of End-of-Line devices within other field devices: not permitted.

.4 Provide a permanent mark to identify the zone or circuit served by the End-of-Line device.

.3 Fault Isolators:

.1 Provide fault isolators in accordance with CAN/ULC-S524.

.4 Illuminated "Fire Do Not Enter" Signs

.1 Feed illuminated signs from the fire alarm system and provide electrically supervised output circuits.

3.02 FIELD TESTS AND INSPECTIONS

.1 Testing and inspection to Section 28 46 13.

.2 Verification to Section 28 46 13.

End of Section