

1.0 GENERAL**.1 Summary**

- .1 These standards apply to all Fire Alarm Sections of Division 28 Electronic Safety and Security.

.2 Related BCIT Standards

- .1 Section 01 78 39 Project Record Documents.
- .2 Section 01 79 00 Demonstration and Training.
- .3 Section 01 91 00 Commissioning.
- .4 Division 21 – Fire Suppression.
- .5 Division 26 – Electrical.

.3 References

- .1 Can/ULC S537 Standard for Verification of Fire Alarm Systems (Latest Edition).
- .2 British Columbia Building Code (Latest Edition).

2.0 PRODUCTS AND DESIGN REQUIREMENTS**.1 Existing Buildings**

- .1 Additions to existing system are to match existing system fire alarm system, and to be compatible with BCIT monitoring network.

.2 New Buildings (or Fire Alarm System Replacement)

- .1 Burnaby & CARI campus: New system to be as manufactured by Simplex 4100 series (large building) or Simplex 4007 series (small buildings).
- .2 DTC as manufactured by Siemens.
- .3 ATC as manufactured by Siemens.
- .4 BMC as manufactured by Notifier.
- .5 AIC as manufacturer by Notifier.
- .6 New systems must include 4 outputs to monitor FA Status (Trouble, Flow, Supervisory + Alarm), plus option for fibre optic connection. Coordinate all requirements with BCIT Facilities.
- .7 All new systems must be fully addressable.

.3 Alternates

- .1 No alternates accepted.

Consultants are to provide complete specifications, and review these Technical Standards documents to include BCIT requirements within the specifications as applicable to the project.

.4 Device Locations

- .1 All Fire Alarm Devices must be located such that they can be easily accessed, including getting lifts and other special equipment through the doorways. Give special consideration to devices in lobbies, atriums, top of stairwells and other hard to access areas.

3.0 EXECUTION

- .1 **Not used.**

*** END OF FIRE ALARM SYSTEMS SECTION ***