1. GENERAL

1.01 SECTION INCLUDES

.1 Labelling and identification requirements for communications systems.

1.02 REFERENCES

.1 ANSI/TIA-606-C – Administration Standard for Commercial Telecommunications Infrastructure.

.2 CSA T-528 - Design Guidelines for Administration of Telecommunications Infrastructure in Commercial Buildings

.3 UL 969 – Marking and Labeling Systems.

2. PRODUCTS

2.01 SUMMARY

.1 Adhesive cable labels to meet the legibility, defacement, and adhesion requirements specified in UL 969 (Ref. D-16). In addition, the labels shall meet the general exposure requirements in UL 969 for indoor use.

.2 Self-laminating vinyl construction cable labels with a white printing area and a clear tail that self laminates the printed area when wrapped around a cable. The clear area should be of sufficient length to wrap around the cable at least one and one-half times.

.3 ANSI/EIA/TIA-606 for colour codes shall be followed. Labels are to be mechanically printed using a laser printer. Hand written labels will not acceptable.

2.02 LABEL PRINTER

.1 Thermal Transfer Printer shall print high quality, industrial labels on a wide variety of materials for electrical and network applications such as wire/cable, components, safety, and facility identification.

.2 Laminated Adhesive Label Cassettes:

.1 For flat label applications.

.2 Polyester material.

.3 Non-Laminated Adhesive Label Cassettes:

.1 For marking wire and cable and flat label applications.

.2 Polyester material

.4 Example Products:

.1 Panduit LS7 series hand-held printer.

.2 Panduit LS8 series hand-held printer.

2.03 NAMEPLATES

.1 Engraved three-layer laminated plastic, letters on contrasting background:

.2 Rack and Cabinet ID labels: 25 mm (1") high White Text on Black Background

2.04 FORMAT

.1 The label format to be confirmed and verified with Engineer and Owner prior to installation. Following is a proposed labelling format which may be utilized:

.2 Horizontal cable label format to be as follows:

.1 "TR#-nnn" where:

.1 TR# = alpha-numeric Telecom Room identifier {1A, 1B, 2A, 2B, ,…}

.2 nnn = numeric sequential port/cable identifier {001, 002, 003, … }

.3 Sample Horizontal Label: 1A-004

.2 (1A) 1st Floor TC #A, (004) 4th cable.

.2 Backbone cable label format to be as follows:

.1 Source/Dest-nn.xxx

.2 Where:

.1 Source = Source End identifier of backbone Cable, Main Computer Room

.2 Dest = Destination End identifier of backbone Cable, Telecom Room

.3 nn = alpha/numeric identifier identifying backbone cable number

.4 xxx = numeric identifier identifying specific pair or strand # within cable.

3. EXECUTION

3.01 INSTALLATION

.1 Cable identification labels should appear at the following locations with the numbers indicated on the cable schedule and drawings:

.1 300 mm (12 inches) from each end of the cable – after termination.

.2 Front of patch panels.

.3 Front of IDC termination blocks.

.4 Front of workstation/communications outlet faceplates.

.5 Each end of each Telecommunications Conduit.

.2 Fibre Optic safety labels shall appear at the following locations:

.1 Along the length of the conduit or innerduct at 3 m (10 foot) intervals.

.2 At all junction boxes

.3 At all pull boxes.

.4 On all fibre optic patch panels.

.3 Provide 25 per cent additional labels to be left in each telecommunications room on site for future growth.

.4 Provide two Rack/Cabinet nameplates. Mount one on the front, and one on the rear of the rack.

3.02 IDENTIFICATION CONVENTIONS

.1 All cabling will be labelled with the closet letter, followed by a dash and the wire number (i.e. A-001 would be the first wire in closet A).

.2 Labelling for backbone wiring will be preceded with BB followed by the wire number (i.e. BB-001 would be the first backbone.

End of Section