1.0 GENERAL

.1 Manufacturers

.1 Subject to compliance with specifications the following manufacturers are acceptable:

.1 Eaton.

.2 Schneider.

.3 General Electric (Specific areas).

2.0 MATERIALS

.1 Panelboards

.1 Panelboards to CSA C22.2 No. 29 and product of one manufacturer;

.1 In addition to CSA requirements, manufacturer's nameplate shall show fault current that panel, including breakers, has been built to withstand.

.2 250 and 600 V panelboards: Bus and breakers rated for 10 kAIC (symmetrical) interrupting capacity, or as indicated.

.3 Panelboards: Mains, number of circuits, and number and size of branch circuit breakers as indicated. Minimum panel: 42 cct with 225 A bus.

.4 Two keys for each panelboard and key panelboard alike.

.5 Copper bus with neutral of same ampere rating as mains.

.6 Mains: Suitable for bolt-on breakers.

.7 Trim with concealed front bolts and hinges.

.8 Trim and door finish: ASA Grey baked enamel.

.2 Breakers

.1 Breakers with thermal and magnetic tripping in panelboards except as indicated otherwise.

.2 Main breaker: Separately mounted on top or bottom of panel to suit cable entry. When mounted vertically, down position should open breaker.

.3 Panelboard is to be filled with spare 20 A - 1P breakers.

.3 Equipment Identification

.1 Provide equipment identification in accordance with Section 26 05 53 Electrical Systems Labelling.

.2 Nameplate for each panelboard.

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

.3   Nameplate for each circuit in distribution panelboards.

.4   Complete circuit directory with typewritten legend showing location and load of each circuit.

3.0   ACCESSORIES

.1   Lock-On Devices

.1   Provide lock-on devices for 10% of 15 to 30 A breakers installed as indicated. Turn over unused lock- on devices to BCIT.

.1   Provide lock-on devices for fire alarm, emergency doors, supervisory fire life safety circuits, stairway, exit and night light circuits.

*** END OF **PANELBOARDS BREAKER TYPE** SECTION ***