



CI-0703

TAB 7: TECHNICAL DISCIPLINES

Electrical

SWITCH GEAR, SWITCHBOARDS AND PANEL BOARDS

GENERAL (TBD)

SWITCHBOARDS

All components of the completed assembly shall be CSA approved and bear a CSA label.

Dimensional coordination: Verify that dimensions for switchboard do not exceed space provided.

Construction and Ratings:

Factory assembled, dead front, metal enclosed and self-supporting switchboard. Complete with line and load side terminations. Bus material to be copper, silver plated. Bus Bracing minimum 65 kA RMS.

Enclosure: CSA Type 2, Indoor use equipped with arc flash reduction protection. Control compartments to be installed on front of the board away from buses.

Future Provisions: Fully equipped spaces for future devices with bussing and bus connections suitably braced for short circuit currents. Allow for 25% spare breakers on new installations.

Service Entrance Circuit Breakers:

Provide Sensor and trip plug, solid state trip circuit breakers, 100% continuous duty rating, factory mounted.

Trip Unit Functions:

Adjustable:

- long time ampere rating;
- long time delay;
- short time pick up;
- short time delay;
- instantaneous pick up.

Ground fault protectors as per OESC requirements.

If ground fault is required on main breakers provide ground fault protections for downstream breakers as well.