

PART 1 - GENERAL

- 1.1 SECTION INCLUDES .1 Materials and installation for standard and custom breaker type panelboards.
- 1.2 RELATED SECTIONS .1 Section 26 05 00 - Common Work Results - Electrical.
- .2 Section 26 28 16.02- Moulded Case Circuit Breakers.
- 1.3 REFERENCES .1 Canadian Standards Association (CSA International)
- .1 CSA C22.2 No. 29-M1989 (R2004), Panelboards and enclosed Panelboards.
- 1.4 SHOP DRAWINGS .1 Submit shop drawings.
- .2 Drawings to include electrical detail of panel, branch breaker type, quantity, ampacity and enclosure dimension.

PART 2 - PRODUCTS

- 2.1 PANELBOARDS .1 Panelboards: to CSA C22.2 No.29 and product of one manufacturer.
- .1 Install circuit breakers in panelboards before shipment.
- .2 In addition to CSA requirements manufacturer's nameplate must show fault current that panel including breakers has been built to withstand.
- .2 250 and 600 V panelboards: bus and breakers rated for the interrupting capacity or as indicated.
- .3 Sequence phase bussing with odd numbered breakers on left and even on right, with each breaker identified by permanent number identification as to circuit number and phase.
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- 2.1 PANELBOARDS
(Cont'd)
- .4 Panelboards: mains, number of circuits, and number and size of branch circuit breakers as indicated.
 - .5 Two keys for each panelboard and key panelboards alike.
 - .6 Copper bus with neutral of same ampere rating as mains.
 - .7 Mains: suitable for bolt-on breakers.
 - .8 Trim with concealed front bolts and hinges.
 - .9 Trim and door finish: baked grey enamel.

- 2.2 BREAKERS
- .1 Breakers: to Section 26 28 16.02 - Moulded Case Circuit Breakers.
 - .2 Breakers with thermal and magnetic tripping in panelboards except as indicated otherwise.
 - .3 Main breaker: separately mounted on top or bottom of panel to suit cable entry. When mounted vertically, down position should open breaker.
 - .4 Lock-on devices for 10% of 15 to 30 A breakers installed as indicated. Turn over unused lock-on devices to Departmental Representative.

- 2.3 EQUIPMENT IDENTIFICATION
- .1 Provide equipment identification in accordance with Section 26 05 00 - Common Work Results - Electrical.
 - .2 Nameplate for each panelboard size 7 engraved with the following information:
 - .1 Panelboard Name Tag
 - .2 Voltage/Phase/Wire
 - .3 Feeder OCP Location
 - .3 Nameplate for each circuit in distribution panelboards size 2 engraved as indicated.
 - .4 Complete circuit directory with typewritten legend showing location and load of each circuit.
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PART 3 - EXECUTION

- 3.1 INSTALLATION
- .1 Locate panelboards as indicated and mount securely, plumb, true and square, to adjoining surfaces.
 - .2 Install surface mounted panelboards on plywood backboards. Where practical, group panelboards on common backboard.
 - .3 Mount panelboards to height specified in Section 26 05 00 - Common Work Results - Electrical or as indicated.
 - .4 Connect loads to circuits.