

PART 1 - GENERAL

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| <u>1.1 ACTION AND INFORMATIONAL SUBMITTALS</u> | .1 | Submit in accordance with Section 01 33 00 - Submittal Procedures. |
| | .2 | Product Data:
.1 Submit manufacturer's instructions, printed product literature and data sheets for panelboards and include product characteristics, performance criteria, physical size, finish and limitations. |
| | .3 | Shop Drawings:
.1 Include on drawings:
.1 Electrical detail of panel, branch breaker type, quantity, ampacity and enclosure dimension. |
| <u>1.2 CLOSEOUT SUBMITTALS</u> | .1 | Submit in accordance with Section 01 78 00 - Closeout Submittals. |

PART 2 - PRODUCTS

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| <u>2.1 PANELBOARDS</u> | .1 | Panelboards: to CSA C22.2 No.29.
.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 V panelboards: bus and breakers rated for 22,000 A (symmetrical) 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. |
| | .4 | Panelboards: mains, number of circuits, and number and size of branch circuit breakers as indicated. |
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| <u>2.1 PANELBOARDS
(Cont'd)</u> | .5 | Two keys for each panelboard and key panelboards alike. Key to Departmental Representative's requirements. |
| | .6 | Aluminum bus with neutral of same ampere rating of mains. |
| | .7 | Mains: suitable for bolt-on breakers. |
| | .8 | Trim with concealed front bolts and hinges. |
| | .9 | Trim and door finish: baked enamel. |
| <u>2.2 BREAKERS</u> | .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. |
| <u>2.3 EQUIPMENT IDENTIFICATION</u> | .1 | Provide equipment identification in accordance with Section 26 05 00 - Common Work Results for Electrical. |
| | .2 | Nameplate for panelboard size 4 engraved to match existing identification system. |
| | .3 | Complete circuit directory with typewritten legend showing location and load of each circuit, mounted in plastic envelope at inside of panel door. |

PART 3 - EXECUTION

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| <u>3.1 EXAMINATION</u> | .1 | Verification of Conditions: verify that conditions of substrate previously installed under other Sections or Contracts are acceptable for panelboards installation in accordance with manufacturer's written instructions.
.1 Visually inspect substrate in presence of Departmental Representative.
.2 Inform Departmental Representative of unacceptable conditions immediately upon discovery. |
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- 3.1 EXAMINATION
(Cont'd)
- .1 (Cont'd)
- .3 Proceed with installation only after unacceptable conditions have been remedied.
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- 3.2 INSTALLATION
- .1 Locate panelboards as indicated and mount securely, plumb, true and square, to adjoining surfaces.
- .2 Mount panelboards to height specified in Section 26 05 00 - Common Work Results for Electrical or as indicated.
- .3 Connect loads to circuits.
- .4 Connect neutral conductors to common neutral bus.