PART 1 - GENERAL

1.1 SHOP DRAWINGS .1 Submit shop drawings in accordance with Section 01 33 00.

.2 Drawings to include electrical detail of panel, branch breaker type, quantity, ampacity and enclosure dimension.

PART 2 - PRODUCTS

2.1 PANELBOARDS .1 Panelboards: product of one manufacturer.
.1 Install circuit breakers in panelboards before shipment.

.2 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.

.3 Panelboards: mains, number of circuits, and number and size of branch circuit breakers as indicated.

.4 Two (2) 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 bolt and hinges.

.8 Trim and Door Finish: baked or air dried grey enamel.

2.2 BREAKERS

.1 Breakers: to Section 26 28 21 - Moulded Case Circuit Breakers.

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

.3 Lock-on devices for breakers as indicated.

2.3 EQUIPMENT IDENTIFICATION

.1 Provide equipment identification in accordance with Section 26 05 00 - Common Work Requirements -Electrical

.2 Nameplate for each panelboard size 4 engraved as indicated.

.3 Nameplate for each circuit in distribution panelboards size 2 engraved as indicated on drawings.

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

PART 3 - EXECUTION

3.1 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 Requirements Electrical or as indicated.

.3 Connect loads to circuits.

.4 Connect neutral conductors to common neutral bus with respective neutral identified.