



MOTOR-STARTER PANELBOARDS

TYPICAL SPECIFICATIONS

Motor-Starter Panelboards of the MSC/MSF type shall be furnished and installed by the contractor. The panelboards shall be equipped with motor-starter units having ET[®] circuit-breaker/Vacu-Break[®] fusible disconnects with related accessories as specified on the plans and the panelboard schedule.

The panelboards shall be "dead-front" construction. All starter units and components shall be individually enclosed in steel and mounted in a code-gauge galvanized-steel box having removable blank ends. Gutter space shall be provided at the top, bottom, and sides to meet or exceed code requirements.

The front shall consist of four (4) separate pieces attached to the box by means of adjustable trim clamps. The fronts shall be flush or surface construction as specified in the panelboard schedule and shall be painted with a medium-gray enamel.

The panelboard shall have a rigidly constructed interior with "Z" shaped mounting rails and high-strength polyester-fiberglass supports for the main bus. The bus rating shall be as specified on the plans and panelboard schedule. The main bus bars and steel "Z" mounting rails shall have tapped holes on 1 1/4-inch centers for

the entire length for future additional units or future rearrangement of units. The entire interior shall be removable and adjustable.

Each motor starter, ET circuit breaker or Vacu-Break unit shall have an individual steel enclosure with door. The door for the disconnect unit shall be interlocked with the operating mechanism and with the starter-compartment door to prevent the accidental opening of either door when the disconnect is in the "ON" position. A voidable interlock feature shall be provided to permit authorized personnel to open the doors when the unit is in the "ON" position. Each disconnect unit shall have provisions for padlocking the unit in the "OFF" position and each unit shall have individual circuit identification. All disconnect devices shall be horsepower-rated and capable of interrupting the stalled rotor current of the motor for which it is rated.

When specified on the plans and panelboard schedule, the circuit-breaker disconnects shall be the ETI type having adjustable instantaneous-magnetic trip only.

The motor-starter panelboard units specified herein shall be the MSC or MSF type as manufactured by the I-T-E Imperial Corporation.