



ET[®] HEAVY-DUTY PANELBOARDS TYPICAL SPECIFICATIONS

ND CLASS PANELBOARDS

Narrow power and distribution panelboards of the ND class shall be furnished and installed by the contractor and shall be equipped with circuit breakers and related equipment as specified on the plans.

The panelboards shall be of the "dead-front" construction. Circuit breakers and components shall be enclosed in a code-gauge, galvanized-steel box having a code-gauge steel front with overall door. Fronts shall be painted with a medium-gray enamel.

The fronts shall be designed for either flush or surface mounting as indicated on the plans and shall be attached to the box by means of adjustable trim clamps. The doors shall be equipped with concealed hinges and flush-type, disc-tumbler lock with self-latching catch. Locks shall be keyed alike. Doors, in excess of 48 inches high, shall be equipped with a 3-point catch and vault handle with integral, disc-tumbler lock. A directory card and card holder shall be provided on the inside of each door.

The circuit breakers shall be of molded-case ET type, having quick-make, quick-break, manually operated toggle mechanism. Handle shall be trip-free with three positions that clearly indicate when the breaker is "on", "off" or "tripped." Multiple-pole circuit breakers shall operate on a common-trip principle. All circuit breakers shall provide overload and short-circuit protection, with an inverse-time-characteristic thermal element combined with an instantaneous-magnetic-trip device. All circuit breakers shall be firmly bolt-connected to bus bar.

The panelboard shall provide circuit identification for each circuit and shall have ample gutter space for wiring.

High-voltage lighting and distribution panels shall be of the NHB type rated at 277/480 volts. These lighting panels shall be of the same basic design and construction as the narrow power and distribution panels described herein.

Circuit-breaker power and distribution panels as specified herein shall be listed by Underwriters' Laboratories and shall be of the ND class as manufactured by I-T-E Imperial Corporation or approved equal.

CDP CLASS PANELBOARDS

Circuit-breaker power and distribution panelboards of the CDP Class shall be furnished and installed by the contractor and shall be equipped with circuit breakers and related equipment as specified on the plans.

The panelboards shall be of the "dead-front" construction. The circuit breakers and components shall be enclosed in a code-gauge galvanized-steel box having a code-gauge steel front with overall doors. Fronts shall be painted with a medium-gray enamel.

The fronts shall be designed for either flush or surface mounting as indicated on the plans and shall be attached to the box by means of adjustable trim clamps. The doors shall be equipped with concealed hinges and flush-type disc tumbler lock with self-latching catch . . . all keyed alike. Doors in excess of 48 inches high shall be equipped with a 3-point catch and vault handle with integral, disc-tumbler lock. A directory card and card holder shall be provided on the inside of each door.

The circuit breakers shall be of molded-case ET type, having quick-make, quick-break, manually operated toggle mechanism. Handle shall be trip-free with three positions that clearly indicate when the breaker is "on", "off" or "tripped." Multiple-pole circuit breakers shall operate on a common-trip principle. All circuit breakers shall provide overload and short-circuit protection, with an inverse-time-characteristic thermal element combined with an instantaneous-magnetic-trip device. All circuit breakers shall be firmly bolt-connected.

The panelboard shall provide circuit identification for each circuit and shall meet or exceed Code wiring-gutter recommendations.

Circuit-breaker power and distribution panelboards as specified herein shall be listed by Underwriters' Laboratories and shall be of the CDP Class as manufactured by the I-T-E Imperial Corporation or approved equal.

**Panelboards are listed by Underwriters' Laboratories, Inc., under "Panelboards" File E2269.
These Panelboards meet Federal Specification W-P-115a dated January 7, 1963 for Type I, Class 1.**