

SECTION 16470 - PANELBOARDS

A. SUMMARY

1. Lighting and power panelboards rated 600 V and less.

B. PRODUCTS

1. Enclosures: NEMA 250, Type 1.
2. Hard-drawn copper bus.
3. Main and Neutral Lugs: Mechanical type.
4. Expansion capacity for future devices.
5. Special Features:
 - a. Isolated equipment ground bus.
 - b. Hinged front cover.
 - c. Split bus.
 - d. Skirt for surface-mounted panelboards.
6. Load Centers: Plug-in circuit-breaker type.
7. Lighting and Appliance Branch-Circuit Panelboards: NEMA PB 1, circuit-breaker type.
8. Distribution Panelboards: NEMA PB 1, circuit-breaker type.
9. Overcurrent Protective Devices: Molded-case circuit breaker complying with NEMA AB 1.
10. Transient Voltage Surge Suppressors: IEEE C62.41; [**low**] [**medium**] [**high**] exposure.
11. Controllers:
 - a. Motor Controllers: NEMA ICS 2, Class A.
 - b. Contactors: NEMA ICS 2, Class A.
 - c. Disconnect Switches: Fusible switch.
 - d. Contactors in Main Bus: Branch-circuit power source.
12. Accessories:
 - a. Manufacturer's standard accessory set.
 - b. Portable test set.
 - c. Fungus proofing.

C. FIELD QUALITY CONTROL

1. Testing Agency: Contractor employed.
2. Test Procedures: NETA ATS.
3. Load balancing.
4. Infrared Scoring: Three times during 12 months after substantial completion.

END OF SECTION 16470