

SECTION 16217

CONTROL PANEL CONSTRUCTION

PART 1 GENERAL

1.01 SCOPE

- A. The contractor shall furnish control panels with a quick removable interior complete with all electrical components.

1.02 REFERENCES

- A. NFPA 70 –National Electrical Code, National Fire Protection Association, Latest Edition.
- B. U.L. 508 A – Industrial Control Panels, Underwriters Laboratories, Inc., Latest Edition.
- C. NEMA 250 – Enclosures for Electrical Equipment (1000 Volts Maximum), Latest Edition.

PART 2 PRODUCTS

2.01 CONTROL ASSEMBLY MAINTENANCE OPTION

- A. All control panels shall be designed such that the entire interiors complete with all components can be quickly and easily removed and re-installed without disconnection of the external conduits and wiring from the enclosure.
- B. The inner swing door shall have spring latches and shall be independently removable.
- C. Special handles placed at optimum locations on the back-plate shall be utilized for removal of the interior.
- D. Inner swing door shall be 1/8” thick aluminum with 1/4” thick stainless steel support brackets. Back plate shall be 3/16” thick aluminum with cutouts positioned at normal locations for exterior penetrations.
- E. All control and small power wiring to be disconnected shall be by separable terminal strips.
- F. Interiors shall be designed to fit specific enclosure manufacturers sizes and types.
- G. The Contractor shall utilize the CAMO® (Control Assembly Maintenance Option) system by Cox Research and Technology, Inc., Baton Rouge, La.

PART 3 EXECUTION

3.01 INSTALLATION

- A. The contractor shall install the CAMO ® system and accessories in accordance with the manufacturers instructions.

3.02 STORAGE

- A. All equipment shall be stored in a weather protected location.

END OF SECTION