

**SECTION 10 11 13**  
**CHALKBOARDS AND MARKERBOARDS**

**PART 1 - GENERAL**

**1.1 DESCRIPTION:**

- A. This section specifies chalkboards, markerboards, and presentation boards.

**1.2 RELATED WORK:**

- A. Sustainable Design Requirements: Section 01 81 13, SUSTAINABLE CONSTRUCTION REQUIREMENTS.
- B. Manufacturer, Color, and Style of Chalkboards Markerboards and Presentation Boards: See drawings for finishes.

**1.3 QUALITY ASSURANCE:**

- A. Provide boards that are the products of a single manufacturer, who has provided units as specified for a minimum of three (3) years.

**1.4 SUBMITTALS:**

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA AND SAMPLES.
- B. Sustainable Design Submittals, as described below:
  - 1. Volatile organic compounds per volume as specified in PART 2 - PRODUCTS.
- C. Shop Drawings: Identifying all parts by name and material and showing design, construction, installation, anchorage and relation to adjacent construction.
- D. Manufacturer's Literature and Data:
  - 1. Chalkboard.
  - 2. Markerboard.
  - 3. Presentation Board.
- E. Samples:
  - 1. Chalkboard and markerboard writing surface, 152 x 152 mm (6 x 6 inches), each color, and texture mounted on backing.
  - 2. Frame material, 305 mm (6 inch) length.
- F. Manufacturer's qualifications.

**1.5 WARRANTY:**

- A. Construction Warranty: Comply with FAR clause 52.246-21, "Warranty of Construction".

## 1.6 APPLICABLE PUBLICATIONS:

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. American Architectural Manufacturers Association (AAMA):
  - 611-14.....Anodized Architectural Aluminum
  - 2603-13.....Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels
- C. American National Standards (ANSI):
  - Z97.1-09(R2010).....Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test
- D. ASTM International (ASTM):
  - B221-14.....Aluminum and Aluminum Alloy Extruded Bars, Rods, Wire, Shapes and Tubes
  - B221M-13.....Aluminum and Aluminum Alloy Extruded Bars, Rods, Wire, Shapes and Tubes (Metric)
  - C1048-12.....Heat-Treated Flat Glass-Kind HS, Kind FT Coated and Uncoated Glass
- E. Code of Federal Regulation (CFR):
  - 40 CFR 59.....Determination of Volatile Matter Content, Water Content, Density Volume Solids, and Weight Solids of Surface Coating
- F. Composite Panel Association (CPA):
  - A208.1-09.....Particleboard
  - A135.4-12.....Basic Hardboard
- G. National Association of Architectural Metal Manufacturers (NAAMM):
  - AMP 500-06.....Metal Finishes Manual
- H. Porcelain Enamel Institute (PEI)
  - 1001-11.....Architectural Porcelain Enamel

## PART 2 - PRODUCTS

### 2.1 MARKERBOARD:

- A. Provide markerboard with porcelain enamel writing surface and chalk tray.
- B. Provide factory assembled unit complete in one (1) piece, without joints whenever possible. When markerboard dimensions require delivery

in separate sections, prefit components at factory, disassembled for delivery and fit joints at site.

C. Frame: Aluminum.

D. Marker Tray: Same material as frame and extend full length of markerboard.

E. Map Rail: Not required.

F. Provide surface such that dry erase markings are removable with felt eraser or dry cloth without ghosting.

G. Provide face fabricated from ferromagnetic material.

## **2.2 PRESENTATION BOARD - NOT USED**

## **2.3 CHALKBOARD - NOT USED**

## **2.4 ACCESSORIES - NOT USED**

## **2.5 MATERIALS:**

A. Writing Surface:

1. Provide markerboard writing surface composed of porcelain enamel fused to nominal 0.378 mm (28 gauge) thick steel. Laminate to a minimum 6 mm (1/4 inch) thick core material with a steel or foil backing sheet.

B. Aluminum:

1. Aluminum frame extrusions to be alloy 6063-T5 or 6063-T6, conform to ASTM B221M (B221). Minimum 1.5 mm (0.06 inches) thick.
2. Provide straight, single lengths wherever possible.
3. Miter corners to have hairline closure.

C. Adhesives:

1. Adhesives for Field Application: Mildew-resistant, nonstaining adhesive for use with specific type of panels, sheets, or assemblies; and for substrate application; as recommended in writing by visual display unit manufacturer.
2. Adhesives to have VOC content of 50 g/L or less when calculated according to 40 CFR 59, (EPA Method 24).

## **2.6 GENERAL FINISH REQUIREMENTS:**

- A. Comply with NAAMM's AMP 500 Series for Architectural and Metal Products for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Noticeable variations in same piece are unacceptable. Variations in appearance of adjoining components are

acceptable if they are within the range of approved samples and are assembled or installed to minimize contrast.

## **2.7 ALUMINUM FINISHES:**

- A. Clear Anodic Finish: AAMA 611, AA-M12C22A31, Class II, 0.010 mm (.39 mil) or thicker.

## **PART 3 - EXECUTION**

### **3.1 INSTALLATION, GENERAL:**

- A. Install units in accordance with the manufacturer's installation instructions with concealed fasteners.
- B. Verify partitions have received blocking and reinforcement before installation of markerboards and presentation boards.
- C. Assemble units in accordance with manufacturer's written instructions.
- D. Grounds Designed to Receive Clips for Snap-On Trim: Continuous and secured 305 mm (12 inches) on center.
- E. Miter trim at corners, conceal fasteners. Modify trim as required to conform to surrounding construction details.

### **3.2 CLEANING**

- A. Clean in accordance with manufacturers' written instructions.
- B. Touch up factory-applied finishes to restore damaged or soiled areas.

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