

**SECTION 10100**  
**VISUAL DISPLAY BOARDS**

**PART 1 - GENERAL**

**1.01 DESCRIPTION OF WORK**

- A. Provide markerboards (whiteboards) complete with accessories, as indicated on Drawings and as specified herein.

**1.02 REFERENCES**

- A. References and industry standards listed in this Section are applicable to the Work. Unless more restrictive criteria or differing requirements are explicitly stated in the Specifications, or mandated by governing codes or regulations, the recommendations, suggestions, and requirements described in the referenced standards shall be deemed mandatory and applicable to the Work.

1. Porcelain Enamel Institute (PEI)
2. American National Standards Institute (ANSI)
3. American Society for Testing and Materials (ASTM)
  - a. E84 Standard Test Method for Surface Burning Characteristics of Building Materials

**1.03 SUBMITTALS**

- A. Samples
1. 3" x 5" porcelain enamel writing surface showing color, texture, and thickness of porcelain coatings, gage of metal, thickness and type of core material, and thickness of backing sheets.
  2. Wall clip or anchoring device.
  3. Accessories specified (grounds, clips, clamps, shims).
  4. Trim, tray, joint splice and map rail, 6" long.

**1.05 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver, store, and handle products of this Section as recommended by manufacturer to protect from damage.

**PART 2 - PRODUCTS**

**2.01 MANUFACTURERS**

- A. Aywon Chalk Board Inc., Brooklyn, NY.
- B. Claridge Products & Equipment, Inc., Harrison, AR.
- C. Aarco Products, Inc., Yaphank, NY
- D. Greensteel Div. Adience Equities, Inc. Dixonville, PA.
- E. Lemco, Salt Lake City, UT.

**2.02 MATERIAL**

- A. Markerboard (Whiteboards)
  - 1. Porcelain Enamel Steel Face: Two (2) coats special composition of ceramic porcelain fired on steel (24 gage, minimum thickness) with special control manufactured in accordance with Porcelain Institute standards for architectural porcelain.
  - 2. Writing Surfaces
    - a. Writing surface shall resist wear, shock, scratches, abrasions and shall not crack, dent or shatter.
    - b. Markerboard Surface: Stain-resistant non-porous, magnetic, suitable for dry markers.
  - 3. Core
    - a. Laminate porcelain on steel to 7/16" min. thickness particle board (ANSI A 208.1 Grade 1-M-1) with 0.005" thick aluminum foil backing.
- D. Aluminum Trim
  - 1. Snap-on type, extruded sections as indicated on Details. Alloy 6063T5 for extruded members and alloy 43 for castings.
  - 2. Finish: Alumilite 204-CI for extrusions, and 704 for castings.
  - 3. Grounds
    - a. Erect continuous galvanized steel grounds of 16 gauge metal, straight and true, blocked out with cadmium-plated metal shims for

- proper alignment, securely fastened at intervals not over 20" o.c. Secure grounds with 1/4" diameter expansion or toggle.
- b. Options: Aluminum grounds (min. 0.062"), similar in size and shape to galvanized steel grounds. Use clips and clamps as specified for galvanized steel grounds.
5. Clips and Clamps: Trim shall be galvanized steel plate formed to receive snap-on trim and to lap edges of markerboard, and display board not less than 1/4". Clamps shall be galvanized steel, secured to grounds to provide permanent alignment of board face. Securely fasten to grounds at the time of setting boards. Place clips and clamps adjacent to joints and corners on vertical and horizontal members and at intermediate points not over 16" o.c. Sizes, thicknesses, and spacing of clips and clamps shall be as recommended by manufacturer.
6. Adhesives: As recommended by manufacturer.

### **PART 3- EXECUTION**

#### **3.01 PREPARATION**

- A. Examine substrate. Do not install markerboards until defects are corrected.

#### **3.02 INSTALLATION**

- A. Install markerboards and trim as detailed on Drawings and as recommended by manufacturer. Make joints flush, even, and close fit.
- B. Markerboard Penetrations
- Neatly cut holes for required penetrations.
- C. Trim
- Install plumb, level, and true. Attach trim to concealed clips and clamps. Neatly cut joints, miter corners. Do not leave sharp corners.

#### **3.03 CLEAN-UP**

- A. Thoroughly clean markerboard and surfaces and trim.
- B. Remove protective coverings, if any, from surfaces.

**END OF SECTION**

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