

SECTION 101100 – VISUAL DISPLAY BOARDS

PART ONE: GENERAL

1.1. Scope of Standard

- A. This standard provides general guidance concerning the specific preferences for visual display boards.
- B. Project conditions and requirements vary, thus precluding the absolute adherence to the items identified herein in all cases. However unless adequate written justification is provided, then it is expected that these guidelines will govern the design and specifications.

1.2. Quality Control

A. Chalkboards

- 1. Chalkboards should be 3' from the floor to the bottom of the marker board and 7' from the floor to the top of the chalkboard.
- 2. Chalkboards shall be standard black with trim, 2-1/4" chalk rails, and track for map hooks. Sliding boards can be utilized to allow greater flexibility where applicable.
- 3. Materials and construction: Chalkboards shall be porcelain enamel steel and shall be manufactured in accordance with Porcelain Enamel Institute's specification. Porcelain enamel finish shall be fusion bonded to a 24 gauge steel substrate at temperature necessary to reduce steel and porcelain stresses and achieve superior enamel bond and hardness.
 - a. Face Sheet: 24 gauge steel
 - b. Core Material: 1/4" hardboard, 7/16" MDF or 3/8" particle board
 - c. Panel Backing: aluminum foil or sheet moisture barrier
 - d. Laminations: hot type neoprene contact adhesive to both surfaces with minimum of 80% coverage. Laminations shall be made by face sheet manufacturer.
- 4. Tray: Standard continuous, solid box type aluminum tray with ribbed section and injection molded end closures.
- 5. Map rail: Standard continuous, 2" map rail with cork insert and end stops at the top of each board. Furnish (4) adjustable map hooks every eight feet.
- 6. All chalkboards shall have washer lights installed in the classrooms **per users' request**. Chalkboard luminaries should be evenly distributed across the chalkboard and be screened from the view of students.

B. Marker Boards/ White Boards

1. Designs: All product specifications, accessory items, colors, finishes, applications and details are to be reviewed and approved by the WVU project representative prior to the final development of the Construction Documents. Writing surface shall be standard white.
2. Materials and construction: Marker boards shall be porcelain enamel steel and shall be manufactured in accordance with Porcelain Enamel Institute's specification. Porcelain enamel finish shall be fusion bonded to a 24 gauge steel substrate at temperature necessary to reduce steel and porcelain stresses and achieve superior enamel bond and hardness.
 - a. Face Sheet: 24 gauge steel
 - b. Core Material: 1/4" hardboard, 7/16" MDF or 3/8" particle board
 - c. Panel Backing: aluminum foil or sheet moisture barrier
 - d. Laminations: hot type neoprene contact adhesive to both surfaces with minimum of 80% coverage. Laminations shall be made by face sheet manufacturer.
3. Tray: Standard continuous, solid box type aluminum tray with ribbed section and injection molded end closures.
4. Map rail: Standard continuous, 2" map rail with cork insert and end stops at the top of each board. Furnish (4) adjustable map hooks every eight feet.
5. Marker boards should be 3' from the floor to the bottom of the marker board and 7' from the floor to the top of the marker board.

PART TWO: PRODUCTS – N/A

PART THREE: EXECUTION

3.1. Installation

- A. Marker boards shall not be glued to the wall. Marker boards shall be mechanically attached in accordance with manufacturer's specification. Marker boards must be attached to a wall that is attached to the structure with proper blocking. Marker boards can not be attached to floating walls.

END OF SECTION 101100