

DIVISION 10 - - VISUAL DISPLAY SURFACES

PART 1 - GENERAL

- 1.01 DESCRIPTION OF WORK
- A. Section Includes:
 - 1. Tackboards
 - 2. Porcelain Enamel Steel Markerboards and Chalkboards
- 1.02 REFERENCED STANDARDS
- A. American Society for Testing Materials
 - 1. ASTM-E 84 Standard Test Method for Surface Burning Characteristics for Building Materials
 - 2. ASTM B221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wires, Profiles and Tubes.
 - B. Porcelain Enamel Institute
 - 1. PEI-1002 Manual and Performance Specification for Porcelain Enamel Writing Surfaces
- 1.03 SUBMITTALS
- A. Shop Drawings: Provide shop drawings for each type of visual display board required.
 - B. Product Data: Provide technical data for materials specified. Include Material Safety Data Sheets, when applicable.
 - C. Samples and color charts: Provide Manufacturer's color charts and composition samples of face, core, backing and trim to illustrate finish, color and texture, where required.
 - D. Manufacturer's Instructions: Provide Manufacturer's installation instructions.
- 1.04 QUALITY ASSURANCE
- A. Basis of Design as manufactured by: Claridge Products and Equipment, Inc., Harrison, Arkansas 72602-0910, Phone: 870/743-2200 Fax: 870/743-1908
 - B. Regulatory Requirements: Conform to applicable code for flame/smoke rating in tackboards in accordance with ASTM-E 84.
 - C. Operation and Maintenance: Include data on regular cleaning, stain removal, and precautions.
- 1.05 PROJECT CONDITIONS
- A. Field measure prior to preparation of shop drawings and fabrication to ensure proper fit.
 - B. Comply with manufacturer's recommendations for climatizing area for interior moisture and temperature to approximate normal occupied conditions.
- 1.06 DELIVERY, STORAGE AND HANDLING
- A. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delay.
 - B. Delivery: Deliver materials in original, unopened, undamaged containers with identification labels intact.
 - C. Storage and Protection: Store materials protected from exposure to harmful weather conditions and at temperature and humidity conditions recommended by manufacturer.
- 1.07 WARRANTY
- A. Submit a standard warranty, stating when installed in accordance with manufacturer's instructions and recommendations, Claridge tackboards are guaranteed for one year against defects in materials and workmanship. Guarantee does not cover normal wear and tear, improper handling, any misuse, or any

defects caused by vandalism or subsequent abuse. Guarantee covers replacement of defective material but does not include cost of removal or reinstallation.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Visual Display Board Manufacturer: Basis of Design: Claridge Products and Equipment, Inc.
1. Contact: P. O. Box 910, Harrison, AR 72602; Telephone: (870) 743-2200; Fax: (870) 743-1908; E-Mail: claridge@claridgeproducts.com; web site: www.claridgeproducts.com.

2.02 MATERIALS FOR MARKERBOARD PANELS

- A. Writing Surface Face Sheet – Manufactured in accordance with Porcelain Enamel Institute's specification.
1. Shall be enameling grade cold rolled steel manufactured from a minimum of 30 percent post-consumer and post-industrial waste.
 2. Enameling grade steel shall be coated with LCS-II Porcelain Enamel by Claridge Products and equipment.
 - a. 3-Coat process shall include:
 - i. Bottom Ground Coat – 1.5 to 2.2 mills
 - ii. Top Ground Coat – 2.0 to 2.8 mills
 - iii. Top Cover (Color) Coat – 3.0 to 4.0 mills
 3. Firing Temperature: Enamel shall be fired at lowest possible temperatures to reduce steel and porcelain stresses and achieve superior enamel and hardness.
 4. Color: As selected by architect from manufacturer's standards. Color charts furnished on request. NOTE: LCS-II Nos. 75 Low Gloss White markerboard writing surface can be used as a projection surface.
- B. Writing Surface Core
1. 7/16" Medium Density Fiberboard (MDF) composed of approximately 90% post-industrial waste.
 2. 7/16" Duracore manufactured from 100% reclaimed or recycled wood fiber, including 3% post-consumer wood fiber. Duracore does not contain added urea-formaldehyde resins.
- C. Factory Framed Markerboards
1. Face Sheet: LCS-II porcelain enamel steel Markerboard
 2. Core Material: 7/16" Duracore
 3. Backing: Aluminum Sheet Back
 4. Typical Arrangement: Type A
 5. Series: 5
 6. Panel Size: Field verify
 7. Color: #75 Low Gloss White

2.03 MATERIALS FOR TACKBOARD PANELS

1. Claridge Factory Built Tackboards:
 - a. Tackboard Surface: Cork: 1/4" thick cork laminated to a 1/4" hardboard backing;; Vinyl fabric on cork underlay with 1/4" hardboard back or Vinyl fabric on duracore; Hook-Fab: Hook and loop compatible fabric on cork underlay with 1/4" hardboard back; Designer Fabric: Fabric on cork underlay with 1/4" hardboard back
 - b. Series: 800
 - c. Typical Arrangement: Type CO
 - d. Panel Size: 48" high by 16' length of - existing opening –field verify

2.04 ALUMINUM TRIM

- A. Claridge Extruded Aluminum Trim with Satin Anodize Finish and Accessories
 - 1. Factory-Built Trim:
 - a. Tackboard; Series: 800. Markerboard Series: 5
 - b. Aluminum Trim
 - c. Length: (16' to 24' – Field verify.).
 - d. Finish: (Satin Anodize standard.).
 - B. 1. Marker Tray (Markerboard)
 - a. Standard continuous, solid, blade-type aluminum tray with ribbed section and injection molded end closure at bottom of each markerboard.

2.05 FABRICATION

- A. Shop assembly: Factory Assembled

PART 3 - EXECUTION

3.01 PROJECT CONDITIONS

- A. Verify before installation that interior moisture and temperature approximate normal occupied conditions.
- B. Verify that wall surfaces are prepared and ready to receive boards.

3.02 INSTALLATION

- A. Deliver factory built units completely assembled and of dimensions shown in details and in accordance with manufacturer's shop drawings as approved by the architect.
- B. Follow manufacturer's instructions for storage and handling of units before installation.
- C. Do not install boards on damp walls or in damp and humid weather without heat in the building.
- D. Install level and plumb, keeping perimeter trim straight in accordance with manufacturer's recommendations.

3.03 ADJUST AND CLEAN

- A. Verify that all accessories are installed as required for each unit.
- B. At completion of work, clean surfaces and trim in accordance with manufacturer's recommendations, leaving all materials ready for use.