

DIVISION 10 - SECTION 10 11 43 - VISUAL DISPLAY WALL PANELS

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK

- A. Section Includes:
 - 1. Porcelain enamel Marker Walls
 - 2. Tack Walls
- B. Related Sections Include:
 - 1. 10 11 13 Porcelain enamel Chalkboards
 - 2. 10 11 16 Porcelain enamel Markerboards
 - 3. 10 11 23 Tackboards
 - 4. 10 11 33 Sliding Visual Display Units
 - 5. 10 11 36 Visual Conference Units
 - 6. 10 11 39 Visual Display Rails
 - 7. 10 13 00 Directory and Bulletin Boards
 - 8. 10 12 00 Display Cases
 - 9. 12 35 00 Specialty Casework

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.

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. Provide all items in this section 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 "Life of the Building" warranty, stating that under normal usage and maintenance, and when installed in accordance with manufacturer's instructions and recommendations, Claridge LCS³ porcelain enamel steel markerboard writing surfaces are guaranteed for the life of the building. Guarantee covers replacement of defective boards but does not include cost of removal or reinstallation.
- B. 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.
- C. Writing Surface Warranty Period: (Specify term) ____ years commencing on Date of Substantial Completion.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Visual Display Surface Manufacturer: 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

- A. Claridge Porcelain Enamel Markerboard Surface: Porcelain enamel LCS³ markerboard surface shall be manufactured in accordance with Porcelain Enamel Institute's specification. Cold-rolled steel surface is pre-cleaned and treated to ensure complete bond between the steel and the porcelain. During a 3-coat process, both steel surfaces receive a ground coat of porcelain enamel. A color cover coat of porcelain enamel is applied to one surface of the ground coat and is fusion bonded to

the steel substrate at temperature necessary to reduce steel and porcelain stresses and achieve superior enamel bond and hardness.

1. Claridge Porcelain Enamel Marker Walls
 - a. Architect to specify Porcelain Enamel laminated panels with matched butt joints and steel splines.
Face Sheet: LCS³ Porcelain Enamel Steel Skin
Core: 7/16" MDF core
Backer: Standard Moisture Barrier Backing
 - b. Laminations (where required): Shall be hot-type neoprene contact adhesive applied to both surfaces automatically. Each substrate shall have a minimum of 80% covering with 1.5-2.0 dry mils of adhesive. Panel components shall have uniform pressure applied mechanically over entire area. Laminations shall be made by face sheet manufacturer.
 - c. Size: (Specify size or as indicated on Drawings.).
 - d. Color: (Specify LCS³ No. 100 White No. 101 Light Gray or No. 102 Beige from manufacturer's standard colors.) Color charts furnished on request.

B. Claridge Tack Walls

1. Architect to specify edge-wrapped panels of Fabricork (1380AEW) or Designer Fabric (3104EW) butted together, or panels of Fabricork (1380A) or Designer Fabric (3104) installed with fabric-covered trim.
 - a. 1380AEW Fabricork - vinyl fabric on duracore backing with edges wrapped
 - b. 1380A Fabricork - vinyl fabric on duracore backing
 - c. 3104EW Designer Fabric - fabric on duracore backing with edges wrapped
 - d. 3104 Designer Fabric - fabric on duracore backing
 - e. Panel Size: (Specify tackboard panel length and height.).
 - f. Panel Color: (Specify color(s) from manufacturer's standard colors.). Color charts furnished on request.

C. Claridge Extruded Aluminum Trim with Satin Anodize Finish and Accessories

1. Marker Wall Trim
 - a. 1016 Trim with 1015 Ground
2. Fabric Covered Tack Wall Trim
 - a. 1016-FC Fabric Covered Trim with 1015 Ground
 - b. 697-FC and 698-FC Fabric Covered Outside and Fabric Covered Inside Corner Trim
 - c. Length: (Specify length.).
 - d. Finish: (Specify finish - Satin Anodize standard.).
 1. Optional finish - Color Anodized Trim
 2. Optional finish - Powder Coat Paint Finished Trim

2.03 FABRICATION

- A. Shop assembly: (Specify factory assembled or field 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.