

PART 1 – GENERAL

1.01 DESCRIPTION OF WORK

A. Section Includes:

1. Porcelain Enamel Steel Markerboards and Chalkboards
2. Tackboards

1.02 REFERENCED STANDARDS

A. American Society for Testing Materials

1. ASTM E84 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 Specifications for Porcelain Enamel Writing Surfaces

C. GREENGUARD Certification from UL Environment

1. Meets GREENGUARD Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

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. Manufacturer Qualifications:

1. Manufacturer shall be a firm engaged in the manufacture of visual display boards in the United States. 2. Manufacturer shall have a minimum of 5 years experience in the manufacture of visual display boards.

B. Regulatory Requirements: Conforms to applicable code

for flame/smoke rating in tackboards in accordance with ASTM E84.

C. Product Certifications: Provide GREENGUARD Gold certificate for markerboards, as applicable.

D. 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 acclimating area for interior moisture and temperature to approximate normal occupied conditions.

1.06 DELIVERY, STORAGE AND HANDLING

A. Schedule delivery of visual display boards with spaces sufficiently complete so that visual display boards can be installed upon delivery.

B. Store products in manufacturer's unopened packaging until ready for installation.

C. Store materials protected from exposure to harmful weather conditions and at temperatures 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 porcelain enamel steel markerboard and chalkboard 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 that 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 Board Manufacturer: Claridge Products and Equipment, Inc., Harrison, Arkansas 72601; Toll Free: 800-434-4610; Telephone: 870-743-2200; Fax: 870-743-1908; E-mail: claridge@claridgeproducts.com; website: www.claridgeproducts.com.

2.02 MATERIALS FOR MARKERBOARD AND CHALKBOARD 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 LCS³ Porcelain Enamel by Claridge Products and Equipment.
 - a. 3-Coat process shall include:
 - i. Bottom Ground Coat – 1.5 to 2.2 mils
 - ii. Top Ground Coat – 2.0 to 2.8 mils
 - iii. Top Cover (Color) Coat – 3.0 to 4.0 mils

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: LCS³ No. 100 White can be used as a projection surface.

B. Writing Surface Core

1. 7/16” Particle Board or MDF

C. Writing Surface Backing

1. Moisture Barrier Back
2. Foil Back
3. Aluminum Sheet Back
4. Steel Back

D. Factory Framed Markerboards and Chalkboards

1. Face Sheet: (Specify LCS³ porcelain enamel steel Markerboard; or porcelain enamel steel Chalkboard)
2. Core Material: (7/16” Particle Board or MDF)
3. Backing: (Specify Moisture Barrier Back; Foil Back; Aluminum Sheet Back; or Steel Back)
4. Series: (Specify Series 1, 3, 4, 5, 8, or 185)
5. Typical Arrangement: (Specify Type A for Markerboard or Chalkboard; or Type C, D, F, H, BR, BL, ER, EL, GR

or GL for Combination Markerboard/Tackboard or Chalkboard/Tackboard)

6. Panel Size: (Specify writing surface panel length and height, and, for combination units, tackboard panel length and height.)

7. Color: (Specify color(s) from manufacturer’s standard colors.) Color charts furnished on request.

2.03 MATERIALS FOR TACKBOARD PANELS

A. Claridge Cork: Composed of 1/4” thick self-healing, burlap backed cork laminated to a 1/4” hardboard backing

B. Fabricork: Vinyl fabric on cork underlay with 1/4” hardboard backing

C. Designer Fabric: Polyester Fabric on cork underlay with 1/4” hardboard back

D. Hook-Fab: Hook and loop compatible fabric on cork underlay with 1/4” hardboard back

E. Tan Nucork: Pure grain natural cork (without burlap backing) on 1/4” hardboard back

F. Colors: Select from manufacturers’ standard colors

G. Thickness: Total laminated thickness of core and covering is 1/2”. All thicknesses are nominal

H. Factory Framed Tackboards

1. Tack Surface: (Specify Claridge Cork, Fabricork, Designer Fabric; Hook-Fab; or Tan Nucork)
2. Series: (Specify Series 1, 3, 4, 5, 8, or 185)
3. Typical Arrangement: (Specify Type CO for Tackboard; or Type C, D, F, H, BR, BL, ER, EL, GR or GL for Combination Markerboard/Tackboard or Chalkboard/Tackboard)
4. Panel Size: (Specify tack surface panel length and height, and, for combination units, writing surface panel length and height)
5. Panel Color: (Specify color(s) from manufacturer’s standard colors.) Color charts furnished on request.

2.04 ALUMINUM TRIM

A. Trim shall be 6063 alloy grade aluminum with T5 tempering in accordance with ASTM B221, and shall have 201-R1 satin anodize finish. (Color Anodize and Powder Coat finishes optional)

1. Factory Built Trim - Series: (Specify Series 1, 3, 4, 5, 8, or 185)

Series 1 Trim = 1-1/2” wide face trim



Series 3 Trim = 1-1/4" wide face trim

Series 4 Trim = 5/8" wide face trim

Series 5 Trim = 5/8" wide face trim

Series 8 Trim = 5/16" wide face trim

Series 185 Trim = 1-1/2" wide face trim

B. Accessories:

1. Marker Tray/Chalktrough

- a. Standard continuous, solid, blade-type aluminum tray with ribbed section and injection molded end closures at bottom of each markerboard or chalkboard
- b. Standard continuous, hollow, box-type aluminum tray with injection molded end closures at bottom of each markerboard or chalkboard
- c. Optional continuous, hollow aluminum tray with cast aluminum end closures at bottom of each markerboard or chalkboard

2. Map Rail

- a. Standard continuous 1" map rail with cork insert and end stops at the top of each markerboard and chalkboard
- b. Optional continuous 2" map rail with cork insert and end stops at the top of each markerboard and chalkboard
 - i. Map Hooks: (Two map hooks furnished for map rail on factory-framed units)
 - ii. Roller Brackets: (Specify number required)
 - iii. Flag Holders: (Specify number required)

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.

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 true and plumb and 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.



800.434.4610
claridgeproducts.com

The Writing Surface Experts™