

DIVISION 10 - SECTION 10 11 00 - VISUAL DISPLAY SURFACES

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK

- A. Section Includes:
 - 1. Porcelain enamel chalkboards
 - 2. Porcelain enamel markerboards
 - 3. Porcelain enamel Marker Walls
 - 4. Tackboards

- B. Related Sections Include:
 - 1. 10 13 00 Directory and Bulletin Boards
 - 2. 10 12 00 Display Cases
 - 3. 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 provided by:
 - WIUSA.com
 - PO Box 567949
 - Dallas, TX 75356
 - Phone: 800-527-9014; Fax: 214-631-4654
 - www.wiusa.com
 - sales@wiusa.com

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.

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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 Vitracite chalkboards and LCS markerboards 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 Board as manufactured by: Claridge Products and Equipment, Inc., as provided by WIUSA.com, PO Box 567949, Dallas, TX 75356, 800-527-9014, FAX: 214-631-4654, www.wiusa.com, sales@wiusa.com.

2.02 MATERIALS

- A. Claridge Porcelain Enamel Chalkboards and Markerboards: Porcelain enamel Vitracite chalkboards and LCS markerboards 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.
 - 1. Claridge Factory-Built Chalkboards and Markerboards:
 - a. Face Sheet: (Specify 24 gauge Vitracite Chalkboard; or 24 gauge LCS Markerboard).
 - b. Core Material: (Specify 7/16" MDF; 7/16" Duracore; 3/8" Duracore; 3/8" Particle Board).
 - c. Panel Backing: (Specify Moisture Barrier Back; 0.002" Aluminum Foil Panel; 0.005" Aluminum Foil Panel; 0.015" Aluminum Sheet Panel; Steel Panel).
 - d. Series: (Specify Series 1, 3, 4, 5, or 185.).
 - e. Typical Arrangement: (Specify Type A, Type C, Type D, Type F, Type H, Type BR, reverse BL, Type ER, reverse EL, or Type GR, reverse GL.).
 - f. Panel Size: (Specify writing surface panel length and height, and, for combination units, tackboard panel length and height.).
 - g. Panel Color: (Specify color(s) from manufacturer's standard colors.). Color charts furnished on request.
 - 2. Claridge Porcelain Enamel Marker Walls
 - a. Architect to specify 24 gauge Porcelain Enamel Steel Skins with matched butt joints or 24 gauge Porcelain Enamel laminated panels with matched butt joints and steel splines.
 - 1. LCS24 - 24 gauge Porcelain Enamel Steel Skins
 - 2. LCS24-217-F - 24 gauge Porcelain Enamel Steel Skins mounted on 7/16" MDF core with moisture barrier backing.
- B. Tackboards
 - A. Claridge Factory Built Tackboards:

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- a. a. Tackboard Surface: (Specify Claridge Cork: 1/4" thick cork laminated to a 1/4" hardboard backing; Fabricork: 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; or Tan Nucork: 1/4" natural cork on 1/4" hardboard back.)
 - b. Series: (Specify Series 1, 3, 4, 5, or 185.).
 - c. Typical Arrangement: (Specify Type CO, Type C, Type D, Type F, Type H, Type BR, reverse BL, Type ER, reverse EL, or Type GR, reverse GL.).
 - d. Panel Size: (Specify tackboard panel length and height, and, for combination units, writing surface panel length and height.).
 - e. 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. Factory-Built Trim:
 - a. Series: (Specify Series 1, 3, 4, 5, or 185.).
 - 2. Field-Assembled Trim:
 - 3. Marker Wall Trim
 - a. 1016 Trim with 1015 Ground
 - 4. Length: (Specify length.).
 - 5. Finish: (Specify finish - Satin Anodize standard.).
 - a. Optional finish - Color Anodized Trim
 - b. Optional finish - Powder Coat Paint Finished Trim
 - 6. Chalktrough
 - a. Standard continuous, solid type aluminum tray with ribbed section and injection molded end closures at bottom of each markerboard or chalkboard.
 - b. Standard continuous, hollow 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.
 - 7. Map Rail
 - a. Standard continuous 1" map rail with cork insert and end stops at the top of each chalkboard or markerboard.
 - b. Optional continuous 2" map rail with cork insert and end stops at the top of each chalkboard or markerboard.
 - 8. Accessories
 - a. Map Hooks: (One map hook furnished for every two feet of Map Rail on Factory-Built Units.).
 - b. Roller Brackets: (Specify number required.).
 - c. Flag Holders: (Specify number required.).
- D. Claridge Factory-Built Wood Framed Markerboard, Chalkboard and Tackboard Units:
- a. Series: (Specify series from manufacturer's standard units.)
 - b. Typical Arrangements: (Specify arrangement from manufacturer's standards.).
 - c. Panel Size: (Specify panel length and height.).
 - d. Panel Color: (Specify color from manufacturer's standard colors.).
 - e. Wood Frame: (Specify type of wood and finish from manufacturer's standards.).

2.03 FABRICATION

- A. Shop assembly: (Specify factory assembled or field assembled chalkboard, markerboard, and tackboard units).

PART 3 - EXECUTION

3.01 PROJECT CONDITIONS

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- 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.