



SECTION 10100

VISUAL DISPLAY BOARDS

PART 1 GENERAL

1.1 SCOPE

The provisions of Section 10100, Visual Display Boards apply to all work in this section.

1.2 RELATED SECTIONS

- A. Section 101100 – Visual Display Units
- B. Section 101116 - Markerboards
- C. Section 101133 – Sliding Visual Display Units
- D. Section 101136 – Visual Display Conference Units
- E. Section 101143 – Visual Display Wall Panels
- F. Section 102000 – Interior Specialties

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Shop Drawings: Show layout, components, anchorage details, and interface with adjacent construction.
- D. Component Samples: For each glass product specified: (2) color samples, 4 inches (150 mm) wide x 4 inches (150 mm) long each, representing actual product, color, and finish. For each profile specified: (2) "L" shaped samples to be provided
- E. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Approved by manufacturer.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store in dry, protected, well ventilated area and protect from damage.

1.6 WARRANTY

- A. Provide manufacturer's (10) year warranty.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. EFI, which is located at: 500 Indeneer Drive, Suite 4 ; Kernersville, NC 27284; Toll Free Tel: 800-668-7080; Contact Tonya Ricks; Email: tonyaricks@efi-us.com ; Web: www.efi-us.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 VISUAL DISPLAY

**** NOTE TO SPECIFIER ** Choose one the following.**

- A. Create Glass Marker Boards 1919 (protected edge and face), 2 3/8"w x 13/16"h with 3/16" (4mm) low-iron back-painted glass, seamed edges and fully tempered. Includes wall-mounting hardware. Minimum panel dimensions – 11 1/2"w x 7"h, Maximum panel dimensions 72" x 120".

Optional: magnetic feature
- B. Create Glass Marker Boards, 1952 (minimal protected edge), 1 3/4"w x 1 3/4"h with a) 1/8"(3mm) or b) 3/16" (4mm) low-iron back-painted glass, polished edges and fully tempered. Mounting hardware provided by others. Minimum panel dimensions – 12"w x 4 1/8"h, Maximum panel dimensions 72" x 120".

Optional: magnetic feature
- C. Create Glass Marker Boards, 1960, (flush mount) 2 3/8"w x 2 3/8"h with 3/16" – 1/4" (4 – 6mm) low-iron back-painted glass, polished edges, fully tempered. Includes wall-mounting hardware. Minimum panel dimensions – 11 1/2"w x 7"h, Maximum panel dimensions 72" x 120".

Optional: magnetic feature
- D. Create Glass Marker Boards, 1955/1965/1968, (minimal protected edge), 2 3/8"w x 2 3/8"h with 3/16" – 1/4" (4 – 6mm) low-iron back-painted glass, polished edges, fully tempered. Includes mounting hardware. Minimum panel dimensions – 10 1/4"w x 5 13/16"h, Maximum panel dimensions 72" x 120".

Optional: magnetic feature

- E. Create Glass Marker Boards, 1960 (floating), 2 11/16" w x 2 11/16" h with 3/16" – 1/4" (4 – 6mm) low-iron back-painted glass, polished edges, fully tempered. Includes mounting hardware. Minimum panel dimensions – 13 1/2" w x 7" h, Maximum panel dimensions 72" x 120".

Optional: magnetic feature

- F. Create Glass Marker Boards, 1970 (flush), 2 11/16" w x 2 11/16" h with 3/16" – 1/4" (4 – 6mm) low-iron back-painted glass, polished edges, fully tempered. Includes mounting hardware. Minimum panel dimensions – 12 1/4" w x 7 1/4" h, Maximum panel dimensions 72" x 120".

Optional: magnetic feature

- G. Create Glass Marker Boards, 1970 (floating), 2 11/16" w x 2 11/16" h with 3/16" – 1/4" (4 – 6mm) low-iron back-painted glass, polished edges, fully tempered. Includes mounting hardware. Minimum panel dimensions – 14 1/4" w x 9 1/4" h, Maximum panel dimensions 72" x 120".

Optional: magnetic feature

- H. Create Glass Marker Boards, 1971, (minimal & low profile), 2 11/16" w x 2 11/16" h with 3/16" – 1/4" (4 – 6mm) low-iron back-painted glass, polished edges, fully tempered. Includes mounting hardware. Minimum panel dimensions – 12 1/4" w x 7 1/4" h, Maximum panel dimensions 72" x 120".

Optional: magnetic feature

- I. Frame / profile finishes: clear anodized, aluminum OR white powder coated, aluminum OR black powder coated, aluminum OR charcoal powder coated, aluminum OR dark bronze powder coated, aluminum OR grey powder coated, aluminum OR nickel powder coated, aluminum.
- J. Glass: select from (99) standard colors at www.efi-us.com/colour-database . Also, custom color matching is available, please inquire by calling 1-800-668-7080.
- K. Hanging hardware (if applicable): As provided by manufacturer to complete installation.
- L. Wall fasteners: provided by others.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until adequate wall blocking / support has been properly completed.
- B. Install all z-mounting strips, as provided by the manufacturer, to insure the marker board(s) are level and properly secured to the wall to prevent excess movement. All strips should be installed with shims, provided by others, in order to insure the marker boards are installed flat and do not follow the contour of the wall(s).
- C. Verify that structural supports are level and of adequate strength to support the applied loads.

- D. Verify dimensions prior to assembly and installation.
- E. Notify Architect of unsatisfactory conditions.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install all hardware level, plumb, sure, true and straight.
- C. Adjust hardware as necessary to ensure smooth, quiet, and safe operation.
- D. Final inspection to verify correct attachment, installation, and cleanliness of installation.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion. Replace damaged products that cannot be repaired to original condition.

END OF SECTION