

SECTION 10 11 01 - MAGNETIC GLASS MARKERBOARDS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this section.

1.2 SUMMARY

- A. Magnetic Glass Markerboards
- B. Related sections include the following:
 - 1. Division 06 and 09 sections for structural blocking
 - 2. Division 10 section for Visual Display Surfaces.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 33 00.
- B. Shop Drawings:
 - 1. Include dimensional elevations. Show locations of joints between individual panels where unit dimensions exceed maximum panel length.
 - 2. Show anchors, ground, reinforcement, accessories, layout and installation details.
- C. Product Data
 - 1. Provide data on glass markerboards and accessories
- D. Manufacturer's Installation Instructions
 - 1. Indicate special procedures and perimeter conditions requiring special attention.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store, handle and protect units to site under provisions of Section 01 60 00. Wrap or otherwise package glass markerboards and tackboard assemblies for protection against damage and staining. store in a clean, dry storage area, as packaged by manufacturer with manufacturer's seals and labels intact. Provide blocking or other supports to retain original shape during storage.

1.5 ENVIRONMENTAL CONDITIONS

- A. Store materials in dry area at no less than 55 degrees Fahrenheit for at least 24 hours before installation. Maintain temperature of at least 55 degrees Fahrenheit in area receiving installation of glass markerboards for 24 hours prior to, during and for 24 hours after installation is completed.

1.6 QUALITY ASSURANCE

- A. Manufacturer: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- B. Installer Qualifications: Engage an experienced installer who is an authorized representative of the glass markerboard manufacturer for both installation and maintenance of the type of glass markerboard required for this project.
- C. Source Limitations: Obtain glass markerboards through one source from a single manufacturer.
- D. Product Options: Drawings indicate size, profiles and dimensional requirements of glass markerboards and are based on the products indicated. Other manufacturers' products with equal performance characteristics may be considered. Refer to Division 1 Section 01 60 00.
 - 1. Do not modify intended aesthetic effects, as judged solely by the Architect, except with the Architect's approval and only to the extent needed to comply with performance requirements. where modifications are proposed, submit comprehensive explanatory data to Architect for review.

1.7 FIELD MEASUREMENTS

- A. Verify field measurements before preparation of shop drawings and before fabrication to ensure proper fitting. Coordinate fabrication schedule with construction progress to avoid delaying the work.
- B. Allow for trimming and fitting where taking field measurements before fabrication might delay the work.

1.8 WARRANTY

- A. Manufacturer standard warranty to agree to replace or repair for failures in quality and or workmanship. Replacement is limited to material replacement only and does not include labor for removal and installation.
- B. Warranty includes protection from all types of visual board marker.
- C. Warranty Period: Minimum of ten years.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Aarco Products, Inc. as distributed by Blackboard and Casework Design, Inc., P.O. Box 5687, Wyomissing, Pennsylvania, 19610, telephone: 610-777-4226, fax: 610-777-3994, email: paoffice@blackboardcaseworkdesign.com
- B. Equal as approved by Architect under provisions of Section 01 60 00.

2.2 MATERIALS

A. Mounting Hardware:

1. Minimum of one horizontal Z-Clip per board, secured as a wall-mount, in length consistent to the glass width. Wall attaching screws, bolts or toggles to be provided by the local installer.

B. Sheet Products:

1. Steel: 0.026-inch thick tempered steel backer and adhered to glass.
2. Face Sheet: 3mm thick tempered, low-iron glass panel with polished edges on all sides. Glass to meet all ANSI Z97.1 specifications.
3. Coatings: Dual application, zero-VOC, water-based paint, 100% opacity with consistent uniformity across the entire board.
4. Adhesive: Permanent silicon acrylic.

C. Manufacturer's Certification: When required, submit manufacturer's certification that materials comply with specified requirements.

2.3 ACCESSORIES

A. Set of Magnets

1. Five (5) per bag
2. Shape: Round, rare-earth grade
3. Color: Manufacturer's standard

B. Marker Rails: 2-1/2" diameter satin aluminum

1. Length: 24"
2. Mounting: Face mounted with permanent adhesive tape.

2.4 FINISH

A. Magnetic glass markerboard backing finish:

1. White

PART 3 - EXECUTION

3.1 INTERIOR EXAMINATION

- A. Verify site conditions under provisions of Division 1. Verify that surfaces and internal wall blocking are ready to receive work and positioning dimensions are as indicated on shop drawings. Verify that surfaces to receive glass markerboards are free from dust, grease or scaly paint, free from projections or depressions that will affect smooth finished surface of glass markerboards and dry and free of substance that might impair bond between units and wall. Roughen slick or smooth substrate to provide a satisfactory bond. Beginning of installation means acceptance of existing surfaces or substrate construction.

3.2 INSTALLATION, GENERAL

- A. Hang glass markerboards in accordance with manufacturer's written install instructions using the Z-clip provided by Aarco Products.
- B. Install glass markerboards at the location defined height from the floor and dimensions from side walls as indicated on the Architect's drawings.
- C. Install glass markerboards plumb, level and square.

3.3 CLEANING AND PROTECTION

A. General:

- 1. Verify that accessories required for each unit have been properly installed and that operating units function properly.
- 2. Clean face panels in accordance to manufacturer recommendations, leaving all materials ready for use.
- 3. Remove construction debris from project site and dispose of in accordance to local laws.

B. Protection:

- 1. Properly protect finished surfaces from site damage where possible.

END OF SECTION 10 11 01