

SECTION 10 11 16
GLASS MARKERBOARDS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Wall mounted glass markerboards assemblies.
 - 2. Markerboard accessories.

1.2 ACTION SUBMITTALS

- A. Product Data: Technical data including construction details, material descriptions, dimensions of individual components and profiles, finishes, and accessories for glass marker board.
- B. Shop Drawings: Submit plans, elevations, sections, details, and attachment to other work.
 - 1. Show locations of panel joints.
 - 2. Show locations and layout of special purpose graphics.
- C. Samples:
 - 1. Glass Marker Board Panel: Minimum 8-1/2 inches by 11 inches (215 mm by 280 mm), with facing, core, and backing indicated for final work including one panel for each type, color, and texture required.
 - 2. Accessories: Full size sample of each type of accessory.

1.3 CLOSEOUT SUBMITTALS

- A. Maintenance Data: Submit data for glass markerboard units to include in maintenance manuals.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An entity having minimum 5 years documented experience that employs installers and supervisors trained and approved by manufacturer.
- B. Preinstallation Conference: Conduct conference at site.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver factory fabricated glass marker board units completely assembled in one piece. If dimensions exceed maximum manufactured unit size, or if unit size is impracticable to

ship in one piece, provide two or more pieces with joints in locations indicated on approved Shop Drawings.

- B. Store glass markerboard in clean dry, protected areas indoors. Protect during staging from damage.

1.6 FIELD CONDITIONS

- A. Environmental Limitations: Do not deliver or install glass marker board units until spaces are enclosed and weathertight, wet work in spaces is complete and dry, work above ceilings is complete, and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.

1.7 WARRANTY

- A. Written warranty signed by the manufacturer in which the manufacturer agrees to repair or replace glass marker boards that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, surfaces losing original writing and erasing qualities.
 - 2. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 GLASS MARKERBOARDS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Benheim Glass.
 - 2. Claridge Products and Equipment, Inc.
 - 3. Clarus Glassboards, LLC.
 - 4. Glass Whiteboard Company.
 - 5. Suzanne Tick Markerglass.
- B. Glass Markerboards: Fabricated of 6 mm tempered, low iron, ultrathin glass with steel backing for use with magnets.
 - 1. Panel Backing: Steel plate, minimum 0.021 inch (0.50 mm) uncoated base metal thickness.
 - 2. Coating: Baked enamel coating.
 - 3. Color: Selected by Architect.
 - 4. Edge Treatment: Smooth polished edge with eased corners.
 - 5. Frame: Aluminum trim in profile indicated.
 - 6. Glass Surface: Matte.

7. Indicated on Drawings.
 8. Adhesive: Recommended by glass markerboard manufacturer.
 9. Graphics: Special Purpose grid as indicated.
 10. Basis of Design: Skyline design by Suzanne Tick Markerglass.
- C. Aluminum Frames and Trim: Fabricated from not less than 0.062 inch (1.57 mm) thick, extruded aluminum; standard size and shape.
1. Field Applied Trim: Snap on trim with no visible screws or exposed joints.
 2. Aluminum Finish: Clear anodic finish.
- D. Mounting: Concealed, Z-shaped brackets.
- E. Marker Tray: Aluminum, attached with magnet.
- F. Joints: Make joints only where total length exceeds maximum manufactured length. Fabricate with minimum number of joints, balanced around center of board or as indicated on approved Shop Drawings. Verify all joints in submittals.
- G. Special Purpose Graphics: Fuse or paint grid, 1 inch (25 mm) square with Owner's logo graphic onto surface of visual display unit. Verify Owner's graphic and coordinate directly with Owner for graphic digital file.

2.2 ACCESSORIES

- A. Accessory Starter Kit: Set of four dry erase markers, eraser, magnets, recommended board cleaner for each markerboard and glass writing surface.
- B. Magnetic Marker Holder: Magnetic cup with eraser holder.
- C. Markerboard Cleaner: Type recommended by marker board manufacturer.

2.3 MATERIALS

- A. Clear Tempered Glass: ASTM C 1048, Kind FT, Condition A, Type I, Class 1, Quality Q3, with exposed edges seamed before tempering.
- B. Extruded Aluminum: ASTM B 221 (ASTM B 221M), Alloy 6063.
- C. Adhesives for Field Application: Mildew resistant, nonstaining adhesive for use with specific type of panels, sheets, or assemblies; and for substrate application; recommended in writing by glass marker board manufacturer.
- D. Primer/Sealer: Mildew resistant primer/sealer complying with requirements in Section 09 91 23 and recommended in writing by glass marker board manufacturer for intended substrate.

2.4 FINISH REQUIREMENTS

- A. Comply with NAAMM/NOMMA 500 for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Noticeable variations in same piece are unacceptable. Variations in appearance of adjoining components are acceptable if within the range of approved Samples and are assembled or installed to minimize contrast.

2.5 ALUMINUM FINISHES

- A. Clear Anodic Finish: AAMA 611, AA-M12C22A31, Class II, 0.010 mm or thicker.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions for compliance with requirements for installation tolerances, surface conditions of wall, and conditions affecting performance of the work. Examine walls and partitions for proper preparation and backing for glass marker board. Proceed with installation after correcting unsatisfactory conditions.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions for surface preparation.
- B. Clean substrates of substances, including dirt, mold, and mildew, that impair the performance of and affect the smooth, finished surfaces of glass marker board.
- C. Prepare surfaces to achieve a smooth, dry, clean surface free of flaking, unsound coatings, cracks, defects, projections, depressions, and substances that will impair bond between glass marker boards and wall surfaces.
- D. Prime wall surfaces indicated to receive glass marker boards and as recommended in writing by primer/sealer manufacturer and glass marker board manufacturer.

3.3 INSTALLATION

- A. Install glass marker board in locations and at mounting heights indicated on Drawings. Keep perimeter lines straight, level, and plumb. Provide grounds, clips, backing materials, adhesives, brackets, anchors, trim, and accessories necessary for complete installation.
- B. Factory Fabricated Glass Marker Board: Attach concealed clips, hangers, and grounds to wall surfaces and to glass marker boards with fasteners at not more than 16 inches (400 mm) o.c. Secure tops and bottoms of boards to walls.

3.4 CLEANING AND PROTECTION

- A. Clean glass marker boards in accordance with manufacturer's written instructions. Attach one removable cleaning instructions label to visual display unit in each room.
- B. Touch up factory applied finishes to restore damaged or soiled areas.
- C. Cover and protect glass marker board after installation and cleaning.

END OF SECTION

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