

SECTION 101100
VISUAL DISPLAY UNITS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Glass markerboards.

1.02 REFERENCE STANDARDS

- A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials; Current Edition.
- B. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test; 2015 (Reaffirmed 2020).

1.03 SUBMITTALS

- A. Product Data: Submit construction details, descriptions of materials, dimensions of each component and profile, finishes, and accessories for all visual display units.
- B. Shop Drawings: Indicate plans, wall elevations, dimensions, joint locations.
 - 1. Indicate panel joint locations, including field-assembled joints for factory units exceeding shipping size, if applicable.
- C. Color Samples: Color charts for selection of color and texture of glass markerboard.
- D. Samples: Two, 10" by 10" inches (254 by 254 mm) in size illustrating materials and finish, color and texture of glass markerboard.
- E. Manufacturer's printed installation instructions.
- F. Manufacturer's Qualification Statement.
- G. Maintenance Data: Include data on regular cleaning, stain removal .

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum 20 years documented experience.

1.05 WARRANTY

- A. Provide 10 years warranty for glass markerboard to include warranty against deffecting glass markerboard.
- B. The warranty excludes labor and any additional material expenses related to the removal or reinstallation of glass markerboards.

- C. When properly installed per manufacturer instructions, Glass Markerboards are warranted for one year against workmanship defects. This warranty excludes damage from misuse, vandalism, or improper handling and covers only material replacement, not removal or reinstallation costs.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. **Magnetic Glass Markerboards:**
1. Nelson Adams NACO.
 2. Address: 420 S E st, San Bernardino, CA, 92401.
 3. P. (877) 810-4080.
 4. Web page: <https://www.nelsonadamsnaco.com>

2.02 GLASS MARKERBOARDS

- A. **Glass Markerboards:** Glass markerboards are made of 1/4" clear tempered glass and powder coated to one of our color choices. The GMB can include a steel backing for magnetic purposes.
1. **Glass:** Tempered, low iron, 1/4 inch thick (6 mm thick), with bevel edges and radiused corners, laminated to steel backing sheet for use with magnets. Coated or treated for use as dry erase board or projection surface.
 2. **Glass Finish:** As selected from manufacturer's full range.
 3. **Steel Backing Sheet Thickness:** 26 gauge, 0.016 inch (0.40 mm).
 4. **Height:** As indicated on drawings.
 5. **Length:** As indicated on drawings.
 6. **Framed Glass Markerboard:**
 - a. **Frame Profile:** [As indicated on drawings].
 - b. **Frame Finish:** [Anodized, natural][Powder Coating].
 7. **Frameless Glass Markerboard Available:**
 - a. Polished edges, tempered glass.
 8. **Mounting:** [Concealed Z Clips][Stainless Steel Standoffs].
 9. **Accessories:** Provide magnetic marker tray, magnetic marker holder, and magnetic eraser.

2.03 MATERIALS

- A. Glass: Provide glass-based glazing unless otherwise indicated.
1. Fully Tempered Safety Glass: Comply with ANSI Z97.1 or 16 CFR 1201 criteria for safety glazing used in hazardous locations.
- B. Steel Sheet Backing: 0.16 inch thick (0.40 mm thick), galvanized.

2.04 ACCESSORIES

- A. Temporary Protective Cover: Sheet polyethylene, 8 mil (0.2 mm) thick.
- B. Magnetic Tray: Aluminum, manufacturer's standard profile, molded ends, Magnetic, same finish as frame.

- C. Magnetic eraser: dry-erase board cleaning accessory with an integrated magnet that allows it to attach directly to magnetic glass board surfaces.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that internal wall blocking is ready to receive work and positioning dimensions are as indicated on shop drawings.
- C. Verify flat wall surface for frameless adhesive-applied boards.

3.02 PREPARATION

- A. Remove switchplates, wall plates, and surface-mounted fixtures where tackable wall paneling is applied. Reinstall items on completion of installation. **[By Others]**
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions. **[By Others]**

3.03 INSTALLATION

- A. Install boards in accordance with manufacturer's instructions.
- B. Secure units level and plumb.
- C. Mounting: [Concealed Z Clips][Stainless Steel Standoffs].

3.04 CLEANING

- A. Clean board surfaces in accordance with manufacturer's instructions.
- B. Cover with protective cover, taped to frame.
- C. Remove temporary protective cover at Date of Substantial Completion.

END OF SECTION