

Guardian Plastic Laminate Toilet Partitions

Specification Section 10155

Part 1 - GENERAL

1.01 Summary

- A. **Section Includes:** Guardian Laminated Plastic Toilet Partitions and Urinal Screens as manufactured by Alan Lewis, Inc. 1630 East St. Gertrude Place, Santa Ana, CA 92705
- B. **Related Sections:**
 - 1. 06100: Backing for the attachment of partitions in wood framed walls.
 - 2. 09100: Backing for the attachment of partitions in metal framed walls.
 - 3. 10800: Toilet Accessories.

1.02 PARTITIONS

A. Toilet Partitions

- 1. **Series 0500 Floor Supported** partitions consisting of plastic laminate pilasters, panels and doors, floor sleeve anchors, leveling devices and hardware as necessary for complete installation and structural support from the floor and walls.

B. Urinal Screens

- 1. **Wall Supported** urinal screens consisting of plastic laminate panels, all hardware and fasteners necessary for a complete installation supported from the wall only.
- 2. **Floor Supported** screens consisting of plastic laminate panels supported at right angles to floor mounted pilasters, all hardware and leveling devices for a complete installation supported at the floor and wall only

1.03 Reference

- A. Americans with Disabilities Act (ADA): 28 CFR Part 36, Subpart D - The Americans with Disabilities Act Accessibility Guidelines.
- B. California Building Code (handicapped accessibility regulations)
- C. ANSI A117 - 1986 Specifications for Making Buildings and Facilities Accessible to and Usable by the Physically Handicapped People.

1.04 Submittals

- A. Comply with procedures and quantities as specified in section 01300
- B. Submit shop drawings indicating sizes, dimensions, thickness, trim, hardware, finishes and installation details.
- C. Submit manufacturer's printed literature indicating typical panel, pilaster, door, hardware, and fasteners.
- D. Submit full line of manufacturer's standard range of colors and patterns.

1.05 Delivery, Storage and Handling

- A. Deliver materials in the manufacturer's original protective packaging with labels identifying contents and manufacturer.

- B. Store materials in an enclosed and secured shelter providing protection from damage and exposure to the elements.
- C. Prevent damage to material and finishes during handling and installation.

1.06 Coordination

- A. Coordinate work under provisions of section 01300
- B. Coordinate work with support framing, anchors and blocking.
- C. Coordinate work with placement of plumbing fixtures and floor drains.
- D. Coordinate work with placement of electrical fixtures and equipment.
- E. Coordinate work with toilet accessories.

1.07 Warranty

- A. Provide limited 2 year warranty under provisions of Section 01770
- B. Warranty against de-lamination and defects in fabrication and workmanship when properly installed.

PART 2 - PRODUCTS

2.01 Acceptable Manufacturer

Drawings and specifications are based on Guardian Partitions manufactured by:

Alan Lewis, Inc.
1630 East St. Gertrude Place
Santa Ana, CA 92705
Phone (714) 434-9407
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2.02 Materials

A. Panels, Doors, Screens and Pilasters

1. Plastic Laminate: All surfaces shall be high pressure laminated plastic NEMA LD 3 and ANSI A161.2. Minimum thickness 0.048 inch thickness
2. Core: ANSI A208.1 M2, 45 lb density, industrial grade, resin impregnated wood particle board.
3. Adhesive: Urea-Formaldehyde cold setting or phenol resin with catalytic agent, set under pressure not less than 30psi.

2.03 Fabrication

- A. Bond high-pressure laminate to core material without splices or joins. Laminate is applied to edges before broad surfaces to seal edges and prevent laminate from being pried loose. Exposed core material is sealed at cutouts to protect from moisture.
- B. Doors and Panels: Finished not less than 1" Thick.
- C. Pilasters: Finished not less than 1.25" thick.

2.04 Hardware

- A. **Pilaster Shoes:** ASTM A 167, Type 304 stainless steel 4" high.
- B. **Brackets:** Chrome plated, non-ferrous, cast zinc alloy. (zamac)
- C. **Floor Anchored Units:** Provide anchoring assembly of 5/16" (8mm) leveling bar mechanism fastened through cylindrical anchors implanted through complete thickness of the pilaster core

using 3/8" (10mm) threaded rod and pilaster leveling nuts. Steel anchor shall have corrosion resistant black oxide finish. Provide shoes at pilaster to conceal supports and leveling mechanism.

- D. **Doors:** Unless otherwise noted, provide 24" wide in-swinging doors for standard toilet compartments, and 36" wide out-swinging doors with a minimum of 32" wide clear opening for compartments indicated to be accessible to people with disabilities.
1. Hinges: Non ferrous cast pivot hinges, gravity type, self closing that can be adjusted to hold doors open at any angle.
 2. Latch and Keeper: Manufacturer's standard surface mounted latch unit designed for emergency access and with combination rubber faced door strike and keeper.
 3. Coat Hook: Manufacturer's standard combination hook and rubber tipped bumper, sized to prevent door from hitting compartment mounted accessories.
 4. Door Bumper: Manufacturer's standard rubber tipped bumper at out-swinging doors.
 5. Door Pull: Manufacturer's standard unit at out-swinging doors that complies with accessibility requirements. Provide pulls on both sides of door at compartments indicated to be accessible to people with disabilities.

PART 3 - EXECUTION

3.01 Installation

- A. Install partitions and screens in accordance with manufacturer's instructions and as specified. Install units rigid, straight, level and plumb.
- B. No evidence of drilling, cutting or patching shall be visible in finish work.
- C. Fasten panel brackets securely to walls using appropriate anchors.
- D. Attach panels and pilasters to brackets with through bolts.
- E. Provide maximum 1" space between wall surface and panel, and ½" space between pilaster and panel.
- F. Provide adjustment of floor variations with pilaster mounting bracket fastened to bottom of pilaster and floor.
- G. Equip each toilet compartment door with a latch and door stop. Equip all ADA accessible stalls with 2 door pulls.
- H. Install door strike and keeper on each pilaster in alignment with the door latch.

3.02 Erection Tolerances

- A. Maximum variation from plumb or level 1/8 inch.
- B. Maximum misplacement from intended position 1/8 inch.

3.03 Adjustment and Cleaning

- A. **Hardware Adjustment:** Carefully adjust hardware for proper operation. Adjust and align hardware to uniform clearance at vertical edges of doors. Set hinges on in-swinging doors to hold doors open approximately 30 degrees from closed position when unlatched. Set hinges on out-swinging doors to fully closed position.
- B. **Cleaning:** Remove any protective covering and clean surfaces and hardware upon completion. Leave free from imperfections.
- C. Remove debris and waste materials from project site.

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END OF SECTION