

Guardian Solid Phenolic Partitions

Specification Section 10155

Part 1 - GENERAL INFORMATION

1.01 Summary

A. Section Includes: Guardian Solid Phenolic 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 attachment of partitions in wood framed walls and partitions.
2. 09100: Backing for attachment of partitions in metal framed walls and partitions.
3. 10800: Toilet Accessories.

1.02 Toilet Partitions:

A. Overhead Braced partitions consisting of solid phenolic pilasters, panels and doors, plated steel leveling devices with stainless steel covers, aluminum overhead bracing, and stainless steel fittings, hardware and fastenings necessary for complete installation and structural support from the floor as well as additional support to the upper pilasters.

B. Urinal Screens

1. **Wall Mounted** urinal screens consisting of solid phenolic screen panels, stainless steel fittings, and fastenings necessary for a complete installation from the wall only.
2. **Floor Post To Ceiling** vision screens consisting of solid phenolic screen panels, square aluminum post support, stainless steel fittings, and fastenings necessary for a complete installation supported from the floor, ceiling and wall.

1.03 References

- A.** ASTM A 167-92b: Stainless and Heat Resisting Chromium Nickel Plated Sheet and Strip.
B. ASTM E 84-9a: Surface Burning Characteristics of Building Materials.

1.04 Submittals

- A. Submittals:** Comply with submittals, procedures and quantities specified in Section 01330.
B. Submit Shop Drawings: Submit shop drawings indicating partition layout and dimensions, panel and door sizes, door swings, elevations, anchorage, mounting details, material thickness, finishes and other related items and installation details.
C. Product Data: Submit manufacturer's technical data for materials, fabrication, finishing, fastenings, hardware and installation details.
D. Samples: Submit samples of color and pattern selected for verification.

1.05 Regulatory Requirements

- A.** Conform to CBC, California Building Code, (CCR) Title 24, Part 2, and ADAAG for accessibility requirements.
B. Conform to flame spread and smoke developed ratings of 20/95 by the National Fire Protection Association Class B ASTM E-84. Fire Resistance Standards.

1.06 Delivery, Storage and Handling

- A.** Deliver and store materials in the manufacturer's original protective packaging. Store materials in an enclosed shelter providing protection from damage and exposure to the elements.

1.07 Coordination by Others

- A.** Coordinate work under provisions of Section 01310
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 electric fixtures and equipment.
- E. Coordinate work with toilet accessories.

1.08 Warranty

- A. Provide Limited 10 year warranty under provisions of section 01770
- B. Warranty to provide for solid phenolic panels, doors and stiles against breakage, corrosion and delamination.

PART 2 - PRODUCTS

2.01 Acceptable Manufacturer

A. 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
Fax (714) 434-9427
Web: www.alanlewisinc.net
E-mail: info@alanlewisinc.net

- B. **Manufacturer Qualifications:** 10 years or more experience in fabrication of solid phenolic materials.

2.02 Materials

A. Toilet compartment panels, doors and pilasters shall be corrosion resistant, floor mounted and overhead braced:

1. **Core:** Phenolic impregnated kraft papers. Panel shall be 93 pounds per cubic foot to ensure all saturation of kraft paper.
2. **Face Sheet:** Separate sheet of clear melamine over decorative papers impregnated with melamine resin and integrally compression molded with the core.
3. **Fire Resistance:** The panels shall have the following surface burning characteristics and smoke generation values in accordance with UL classification and labeling in accordance with ASTM E-84 tests and shall be self-extinguishing.
 - a. Flame Spread: Maximum 25 for 3/4" thick panels, 30 for 1/2" thick panels.
 - b. Smoke Developed: Maximum 70 for 3/4" panels, 85 for 1/2" thick panels.
4. **Panels** shall be UL registered and labeled.
5. **Panel** shall be resistant to cleaning solvents and uric acid.
6. **Compressive** strength: 24,000 psi minimum

B. Urinal Screens

1. Wall Supported
2. Floor to Ceiling Post

2.03 Characteristics

- A. Doors shall be minimum 3/4" thick, panels minimum 1/2" thick, pilasters minimum 3/4" thick and screens minimum 1/2" thick. Edges shall be machined to a radius of 0.125", exposed surfaces shall be free of marks.

2.04 Fabrication

- A. Panel and door sizes as indicated on drawings.

2.05 Hardware

- A. Door Hardware shall be as follows.
 1. Disabled enclosures to include 2 door pulls each. Door pull to be fabricated from cast stainless steel. Door pull to be Guardian #5403 with 3 1/2" centers.
 2. Door strike and keeper to be fabricated from cast stainless steel with wrap around flange surface mounted and through bolted to pilaster with one way sex bolts. Inswing keeper to be Guardian #4903; Outswing keeper to be Guardian #4913.
 3. Door latch housing to be fabricated from cast stainless steel, surface mounted and through bolted to door with one way sex bolts. Offset slide latch for inswing door to be Guardian #5063; Slide latch for outswing doors to be Guardian #5053.

- B. All brackets to be stamped stainless steel with #4 satin finish. Brackets shall be available in one ear, two ear and u configuration.
- C. Pilasters are to be anchored by means of a plated steel leveling bar anchored to the pilaster with 3/8" threaded rod, spring washer and locking nut attached to 4" expansion anchors imbedded in the concrete floor. Stainless steel 4" high shoes are attached to pilaster at floor and through bolted to pilaster to conceal floor anchors.
- D. Hinges shall be heavy duty stamped stainless steel with stain finish. Hinge shall be gravity type for self-closing action and shall be fully adjustable up to 360° Pivot pin shall be made of type 304 Stainless Steel. Only stainless steel components shall be used in the construction of the hinge. Plastic inserts are unacceptable. Hinges shall provide emergency access by lifting door.
- E. Headrail shall be heavy duty clear anodized aluminum extrusion with anti-grip configuration. Headrail shall be furnished with minimum 0.125" wall thickness, and shall be fitted over tops of pilasters and at headrail brackets with one way sex bolts.
- F. Headrail wall brackets shall be furnished with a minimum wall thickness of 0.0625 inch.
- G. Chrome Plated, non-ferrous cast alloy material shall not be furnished for hinges, brackets, locks, latches and all fittings and accessories.

PART 3 - EXECUTION

3.01 Installation

- A. Install partitions and screens in accordance with the manufacturer's instructions and as specified. Install straight, level and plumb.
- B. No evidence of drilling, cutting or patching shall be visible in finished work.
- C. Fasten panel brackets securely to walls using appropriate anchors.
- D. Attach panels and pilasters to brackets with through bolts. Locate headrail joints at pilaster center line.
- E. Provide ½ inch space between wall surface and panels or pilasters
- F. Provide for adjustment of floor variations with expansion anchors through steel leveling bar integral with the pilaster. Conceal floor fastenings with pilaster shoe.
- G. Equip each toilet compartment with a latch and door stop. Equip all ADA accessible stalls with two 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 door hardware to uniform clearance at vertical edges of doors. Clearance space not to exceed 3/16 inch.
- 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.

ALAN LEWIS, INC. RESERVES THE RIGHT TO MAKE CHANGES TO THE SPECIFICATION WITHOUT NOTICE OR OBLIGATION OR TO INCORPORATE IMPROVED MATERIALS, HARDWARE OR MANUFACTURING TECHNIQUES.

END OF SECTION