

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.
2. 09100: Backing for attachment of partitions in metal framed walls.
3. 10800: Toilet Accessories.

1.02 Partitions

A. Toilet Partitions

1. **Floor Supported** partitions consisting of solid phenolic pilasters, panels and doors, plated steel leveling devices with stainless steel covers, and stainless steel fittings, hardware and fastenings necessary for complete installation and structural support from the floor and walls only. Provide anchoring assembly of 5/16" (8mm) leveling bar mechanism fastened by 3/8" (10mm) threaded rod embedded in the drilled and tapped phenolic core. Steel anchor shall have corrosion resistant black oxide finish. Provide stainless steel shoes to conceal supports and leveling mechanism.

B. Urinal Screens

1. **Wall Supported** urinal screens consisting of solid phenolic panels, stainless steel fittings and fastenings necessary for a complete installation supported from the wall only.
2. **Floor and Ceiling Anchored** urinal screens consisting of solid phenolic panels, 1 3/4" 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 de-lamination.

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
O (714) 434-9407
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- 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 and floor mounted.
 - 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 ¾" thick panels, 30 for ½" thick panels.
 - b. Smoke Developed: Maximum 70 for ¾" panels, 85 for ½" 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 ¾" thick, panels minimum ½" thick, pilasters minimum ¾" thick and screens minimum ½" 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. Hinges: Manufacturer's standard surface mount self-closing type that can be adjusted to hold doors open at any angle up to 90 degrees. Only stainless steel shall be used in the construction of the hinge. Plastic inserts are unacceptable. Hinges shall provide emergency access by lifting door
 2. Door Pull: Manufacturer's Standard Unit at out-swinging doors that complies with Accessibility requirements or authorities having jurisdiction. Provide pulls on both sides of doors at compartments required to be accessible to people with disabilities.
 3. Latch and Keeper: Manufacturer's standard latch unit designed for emergency access and with combination rubber faced door strike and keeper. Provide units that comply with accessibility requirements of authorities having jurisdiction at compartments required to be accessible to people with disabilities.
 4. Door Bumper: Manufacturer's standard rubber tipped bumper at out-swinging doors and entrance screen doors.
 5. Coat Hook: Manufacturer's standard rubber tipped bumper, sized to prevent door from hitting compartment-mounted accessories.
- 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.** 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