



SECTION 102113.21 PHENOLIC TOILET COMPARTMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Phenolic partitions, Color-Thru Floor anchored/overhead braced.
- B. Urinal Screens

1.2 RELATED SECTIONS

- A. Section 055000 - Metal Fabrications: Concealed steel support members.
- B. Section 061100 - Wood Framing: Concealed wood framing and blocking for compartment support.
- C. Section 102800 - Toilet and Bath Accessories.

1.3 REFERENCES

- A. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

1.4 SUBMITTALS

- A. Submit under provisions of Section 013000.
- B. Product Data: Provide manufacturer's data sheets on each product to be used, including:
 - 1. Literature indicating typical panel, pilaster, door, hardware and fastening.
 - 2. Preparation instructions and recommendations.
 - 3. Storage and handling requirements and recommendations.
 - 4. Installation methods.
- C. Shop Drawings:
 - 1. Dimensioned plans indicating layout of toilet compartments.
 - 2. Dimensioned elevations indicating heights of doors, pilasters, separation partitions, and other components; indicate locations and sizes of openings in compartment separation partitions for toilet and bath accessories to be installed in partitions; indicate floor and ceiling clearances.
 - 3. Details indicating anchoring components (bolt layouts) and methods for project conditions; indicate components required for installation, but not supplied by toilet compartment manufacturer.
- D. Selection Samples: For each finish product specified, one complete set of color selection guides representing manufacturer's full range of available colors, textures, and patterns.
- E. Verification Samples: For each finish product specified, two samples, minimum size 6 square inches, representing actual product, color, texture and pattern.
- F. LEED Green Building Rating System: Submit manufacturer's documentation of recycled content, in accordance with LEED credit calculations.
- G. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Lay cartons flat, with adequate support to ensure flatness and to prevent damage to pre-finished surfaces.
- C. Do not store where ambient temperature exceeds 120 degrees F.

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
- B. Do not deliver materials or begin installation until building is enclosed, with complete protection from outside weather, and building temperature maintained at a minimum of 60 degrees F.

1.7 WARRANTY

- A. Warranty: Provide warranty for Phenolic Material against delamination, breakage, or corrosion for 25 years, assuming proper maintenance according to manufacturer's recommendations.

1.8 COORDINATION

- A. Coordinate Work with placement of support framing and anchors in walls and ceilings.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturers:
 - 1. ASI Accurate Partitions
 - 2. ASI Global Partitions
 - 3. Similar systems by other manufacturers are acceptable, subject to compliance with requirements herein and approval by the Architect.
- B. Requests for substitutions will be considered in accordance with provisions of Section 016000.

2.2 COMPARTMENTS AND SCREENS

- A. Toilet Compartments: Floor anchored/overhead braced.
 - 1. Compartment Depth and Width: As indicated on drawings.
 - 2. Door Width: As indicated on the Drawings.
 - 3. Height Above Floor: As indicated on the Drawings.
 - 4. Door/Panel Height: 58 inches.
 - 5. Pilaster Height: 82 inches.
- B. Privacy and Urinal Screens: Wall hung.
 - 1. Screen Panel Size: 24 inches wide by 48 inches high.
 - 2. Height Above Floor: As indicated on the Drawings.

2.3 SOLID PHENOLIC / COLOR-THRU TOILET COMPARTMENTS

- A. Doors, Panels, Screens, and Pilasters: Decorative surface sheet with solid phenolic core of melamine resin impregnated kraft paper fused under high temperature and pressure; edges machine sanded with a 45 degree beveled edge. Manufacturer's standard.
 - 1. Doors and Pilasters: 3/4 inch thick.
 - 2. Panels and Screens: 1/2 inch thick.
 - 3. Edges: COLOR-THRU.
 - 4. Fire Rated Material: ASTM E84 Class A.
- B. Finish: Solid phenolic as selected from manufacturer's standard colors.

- C. Door Hardware: Vault hinge.
 - 1. Top Hinge: Heavy-duty "vault" type, die-cast aluminum alloy with brushed chrome-plated finish; wrap-around pilaster and door mounting, through-bolted.
 - 2. Bottom Hinge: Same as top hinge, with gravity-acting cams.
 - 3. Latch: Non-ferrous, satin chrome-plated, slide latch.
 - 4. Strike and Keeper: Permitting emergency access by lifting the door until latch is clear of keeper; satin chrome-plated finish.
 - 5. Coat Hook and Bumper: Non-ferrous, chrome-plated, with black rubber tip for doorstop.
 - 6. Fastening Hardware: Manufacturer's standard, Type 304 stainless steel, No. 4 satin finish, with theft-resistant barrel nuts and machine screws.
- D. Mounting Brackets: Die-cast Type 304 stainless steel stirrup bracket, No. 4 satin finish, with stainless steel theft-resistant barrel nuts and machine screws of same material and finish.
- E. Headrail: Manufacturer's standard anodized aluminum rail with anti-grip profile.
- F. Pilaster Anchors, Floor Anchored/Overhead Braced: Easy Stall shoe system. 1/4 inch by 2 inch steel screws attach Easy Stall shoe to floor. Pilaster to be inserted into shoe and secured after height adjusted. Leveling adjustment to be concealed by pilaster shoe. Height/leveling adjustment to be made via machine thread bolts inserted into threaded insert in bottom of pilaster. Shoe to be constructed of type 304 stainless steel and to be 3" high.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until installation conditions and substrates have been properly prepared.
- B. Verify dimensions of areas to receive compartments.
- C. Verify locations of built-in framing, anchorage, bracing, and plumbing fixtures.
- D. Verify substrates have been properly installed.
- E. If installation conditions and substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with approved shop drawings and manufacturer's instructions.
- B. Fasten components to adjacent materials and to other components using purpose- designed fastening devices.
- C. Adjust pilaster anchors for substrate variations; conceal anchors with pilaster shoes.
- D. Equip each compartment door with top and bottom hinges and door latch.
- E. Install door strike keeper on pilasters in alignment with door latch.
- F. Equip each compartment door with one coat hook and bumper.
- G. Installation Tolerances:
 - 1. Maximum variations from plumb or level: 1/8 inch.
 - 2. Clearance between wall surface and panels or pilasters: 1-1/2 inch maximum.

3.4 ADJUSTING

- A. Adjust and align hardware to uniform clearance at vertical edge of doors.
- B. Adjust adjacent components for consistency of line or plane.

3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.
- C. Remove factory protective coverings and clean finish surfaces in accordance with manufacturer's instructions before substantial completion.

3.6 SCHEDULE

END OF SECTION