



SECTION 10155
TOILET COMPARTMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Phenolic partitions.

1.2 RELATED SECTIONS

- A. Section 05500 - Metal Fabrications: Concealed steel support members.
- B. Section 06110 - Wood Framing: Concealed wood framing and blocking for compartment support.
- C. Section 10800 - Toilet and Bath Accessories.

1.3 REFERENCES

- A. ASTM International: ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- B. United States Green Building Council (USGBC): LEED Green Building Rating System.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. [Product Data]: 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, 3 inches square, 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. Deliver, store and handle materials and products in strict compliance with manufacturer's instructions and recommendations and industry standards.
- B. Store products indoors in manufacturer's or fabricator's original containers and packaging, with labels clearly identifying product name and manufacturer. Protect from damage.
- C. Lay cartons flat, with adequate support to ensure flatness and to prevent damage to pre-finished surfaces.
- D. Do not store where ambient temperature exceeds 120 degrees F (49 degrees C).

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 (15.6 degrees C).

1.7 WARRANTY

- A. Manufacturers Standard 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. Basis of design: ASI Global Partitions, Maximum Privacy, which is located at: 900 Clary Connector; Eastanollee, GA 30538; Tel: 706-827-2700; Fax: 706-827-2710; Web: asi-globalpartitions.com
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 COMPARTMENTS AND SCREENS

- A. Toilet Compartments: Floor and ceiling anchored.
 - 1. Compartment Depth and Width: As scheduled and indicated on Drawings.
 - 2. Door Width: 24 inches, minimum; at ADA accessible compartments 36 inches.
 - 3. Height Above Floor: 1 inch.
 - 4. Door Height: 84 inches.
 - 5. Over door valance minimum 12 inches up to 36.

6. Panel Height: 96 inches.
 7. Pilaster Height: up to 120 inches.
- B. Privacy and Urinal Screens: Wall hung.
1. Screen Panel Size: 24 inches (610 mm) wide by 48 inches (1219 mm) high.
 2. Height Above Floor: 18 inches (457 mm).

2.3 SOLID PHENOLIC

- 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 radius edge. Manufacturer's standard.
1. Doors and Pilasters: 3/4 inch (19 mm) thick.
 2. Panels and Screens: 1/2 inch (13 mm) thick.
 3. Edges: Black.
 4. Fire Rated Material: Class B, ASTM E 84.
- B. No-Sight System: No-Sight System: Doors and pilasters to be routed to allow overlapping edges and providing no sight lines into compartment.
- C. Finish: Solid phenolic with black core, as selected from manufacturer's standard colors.
- D. Door Hardware: Surface mounted barrel hinges.
1. Hinges: Black anodized aluminum barrel hinges 3 per door, Door to be predrilled at factory for hinge location.
 2. Coat Hook and Bumper: Black anodized aluminum, with black rubber tip for doorstop.
 3. Fastening Hardware: Manufacturer's standard Type 304 stainless steel, Finished black.
 4. Latch and keeper—ASI Global Maximum Privacy black anodized aluminum latch/keeper system with integral occupancy indicator.
 5. Door silencers. Full length extruded rubber to absorb door impact. To be installed on pilaster.
- E. Mounting Brackets: Black anodized aluminum continuous U brackets.
- F. Valance shall be installed over door with provided Clamex P10 connector.
- G. Ceiling connection shall be black anodized aluminum U channel attached to blocking in ceiling with pilasters connected to U channel.
- H. Pedestals Black anodized aluminum mounted under panels to provide 1" floor clearance. pedestal shall have adjustment to allow for sloped floors.

PART 3 EXECUTION

3.1 EXAMINATION AND PREPARATION

- A. Inspect and prepare substrates using the methods recommended by the manufacturer for achieving best result for the substrates under project conditions. Clean surfaces thoroughly prior to installation.
- B. Do not proceed with installation until substrates have been prepared using the methods recommended by the manufacturer and deviations from manufacturer's recommended tolerances are corrected. Commencement of installation constitutes acceptance of conditions.
- C. If preparation is the responsibility of another installer, notify Architect in writing of deviations from manufacturer's recommended installation tolerances and conditions.

1. Verify dimensions of areas to receive compartments.
2. Verify locations of built-in framing, anchorage, bracing, and plumbing fixtures.

3.2 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. Equip each compartment door with top and bottom hinges and door latch.
- D. Install door strike keeper on pilasters in alignment with door latch.
- E. Equip each compartment door with one coat hook and bumper.
- F. Installation Tolerances:
 1. Maximum variations from plumb or level: 1/8 inch (3 mm).
 2. Clearance between wall surface and panels or pilasters: 1-1/2 inch (38 mm) maximum.

3.3 ADJUSTING

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

3.4 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.

3.5 SCHEDULE

END OF SECTION