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: 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, minimum size 6 inches

(150 mm) 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 10 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-Accurate Partitions, which is located at: 160 Tower Drive.; Burr Ridge, IL 60527; Tel: 708-442-6800; Fax: 708-442-7439; Email: request; Web:www.accuratepartitions.com

B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 COMPARTMENTS AND SCREENS

A. Toilet Compartments: Floor anchored/overhead braced—Alpaco Elegance
   1. Compartment Depth and Width: As scheduled and indicated on Drawings.
   2. Door Width: 24 inches (610 mm), minimum; at ADA accessible compartments 36 inches (915 mm) minimum. Door height to be 2 meters or 78.7 inches high.

3. Pilaster Height: 2 meters or 78.7 inches.

B. Privacy and Urinal Screens: Wall hung.
   1. Height Above Floor: 4 or 9 inches as plumbing placement and compliance with applicable accessibility guidelines permit.

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 filleted edge.
   1. Doors and Pilasters: 1/2 inch (13 mm) thick.
   2. Panels and Screens: 1/2 inch (13 mm) thick.
   3. Doors, panels and pilasters: 78.7 inches (2 meters) high
   4. Door and pilaster edges shall be routed and overlapped to block sight lines into the compartments.
   5. Edges: Black core or color thru.

B. Finish: Solid phenolic, as selected from manufacturer's standard colors either black core or color thru.

C. Door Hardware:
   1. Hinge: Hinge: Three (3) surface mounted barrel hinge with brushed finish.

   2. Latch: ASI Alpaco latch with occupancy indicator. Latch to be mounted to the pilaster with integrated function as keeper for in-swinging doors. Latch will provide emergency access through an accessible slotted center pin in the external indicator.
   3. Coat Hook and Bumper: Brushed aluminum with black rubber tip for doorstop.
   4. Fastening Hardware: Manufacturer's standard, Type 304 stainless steel, No. 4 satin finish. Door hardware will be attached to holes predrilled at the manufacturing facility.

D. Mounting Brackets: Provide stainless steel continuous bracket Type 304 stainless steel, No. 4 satin finish, with stainless steel theft-resistant barrel nuts and machine screws of same material and finish.

E. Headrail: Type 304 Stainless Steel 1 ¼" diameter tube attached in clips to top of pilaster.

F. Floor Anchored/Overhead Braced.
   1. Compartment to be supported by Type 304 Stainless steel pedestal placed under the panels approximately 12" behind pilaster on standard compartments. ASI-Accurate will recommend placement of pedestal under large pilasters associated with accessible compartments.
   2. Pedestal to be adjustable in height plus or minus 1 inch to compensate for uneven floors.
   3. Pedestal to support panel 4 inches or 9 inches above finished floor.
   4. Pedestal to be secured to floor with 2 1/2 inch corrosion resistant screws.

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. Adjust pilaster anchors for substrate variations.

D. Equip each compartment door with hinges and 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.

END OF SECTION