



SECTION 10 21 00
TOILET PARTITIONS

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PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Toilet Partitions:
 - 1. Solitude - Phenolic Core.

1.2 RELATED SECTIONS

- A. Section 06 10 00 - Rough Carpentry.
- B. Section 05 50 00 - Metal Fabrications.
- C. Section 10 28 00 - Toilet, Bath and Laundry Accessories.

1.3 REFERENCES

- A. American National Standards Institute (ANSI):
 - 1. ANSI/ICC A117.1 - Accessible and Usable Buildings and Facilities.
- B. ASTM International:
 - 1. ASTM A591 - Standard Specification for Steel Sheet, Electrolytic Zinc-Coated, for Light Coating Weight (Mass) Applications.
 - 2. ASTM A653 - Steel Sheet, zinc-coated (galvanized) or zinc iron alloy-coated, galvanealed by hot dip process.
 - 3. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
 - 4. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00.
- B. Product Data: Manufacturer's product data for materials, fabrication, and installation including catalog cuts of anchors, hardware, fastenings, and accessories, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.

- C. Shop Drawings:
 - 1. Provide shop drawings for fabrication and installation of compartment assemblies that are not fully described by architectural drawings.
 - 2. Provide template layouts and installation instructions for anchorage devices built into other work.
- D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A company regularly engaged in manufacture of products specified in this section, and whose products have been in satisfactory use under similar service conditions for not less than 5 years.
- B. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship is approved by Architect.
 - 3. Rebuild mock-up area as required to produce acceptable work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.7 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. Manufacturers storage and handling instruction shall be reviewed and maintained.
- B. Field Measurements: Take field measurements prior to component fabrication to ensure proper fitting of work.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Metpar Corp., which is located at: 460 T Elmer Cox Drive, Greeneville, TN 37743; ASD Tel: 516-333-2600; Email: sales@metpar.com; Web: <http://www.metpar.com>
- B. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00.

2.2 COMPARTMENTS AND SCREENS - GENERAL

- A. General: Doors, panels, screens, and pilasters assembled into complete compartment system, with cutouts and drilled holes to receive hardware as indicated; processed and fabricated in a craftsman like manner; complying with ANSI/ICC A117.1, Americans with Disabilities Act (ADA).

2.3 SOLITUDE - PHENOLIC CORE

- A. Phenolic Core Toilet Partitions: Floor Mounted Overhead Braced "Solitude":

1. Description: Euro Design Privacy System.
2. Compartment Depth and Width: As indicated on Drawings.
3. Doors Width: 22 inch (559 mm) minimum; at ADA accessible compartments 32 inch (813 mm) clear minimum or as required by local codes.
4. Pilaster Width: As required to fit space.
5. Door, Panel, and Partition Height: 78 inches (1981 mm).
 - a. Door and pilaster thickness: 3/4 inch (19 mm).
 - b. Dividing panel thickness: 1/2 inch (13 mm).
6. Door, Panel, and Partition Clearance above Finished Floor: 4 inches (102 mm).
7. Door Edges: Overlapping vertical edges for maximum privacy.
8. Overhead Bracing: Tubular 7/8 inch (22 mm) brushed stainless steel.
9. Panel to Pilaster Connections: Full length 77 inch (1956 mm) U-brackets brushed stainless steel.
10. Other Brackets: 1 x 2-1/4 x 77 inch (25 x 57 x 1956 mm) stainless steel angles.
11. Door hardware: Brushed stainless steel.
 - a. Paired surface mounted hinges.
 - b. Include occupancy indicator latch.
12. Edge Color: Color core.
 - a. Color: To be selected by Architect from Manufacturer's full range.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If 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. General: Install in accordance with manufacturer's instructions.
 1. Install compartment units rigid, straight, plumb and level.
 2. Provide clearance of not more than 1/2 inch (13 mm) between stiles and panels and not more than 1 inch (25 mm) between panels and walls.
 3. Secure panels to walls with not less than two brackets attached near top and bottom of panel.
 4. Locate wall brackets so holes for wall anchorages occur in masonry or tile joints.
 5. Secure panels to stiles with not less than two brackets located to align with brackets at wall.
 6. Secure panels in position with manufacturer's recommended anchoring devices.
 7. Level, plumb, and tighten installation with devices furnished.

3.4 ADJUSTING AND CLEANING

- A. Clean and Protect: Clean exposed surfaces of compartment systems using materials and methods recommended by manufacturer, and provide protection as necessary to prevent damage during remainder of construction period.

3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION