

This style is mounted to the ceiling and is recommended where complete floor access is desired. This system requires pre-installed structural ceiling support and is not recommended for ceiling heights over 8'.

### Construction

Doors, panels and pilasters consist of two sheet metal faces insulated with a moisture resistant honeycomb core that is adhered to the inner surface and set under pressure to cure. All are manufactured from 300 Series stainless steel with a #4 satin brushed finish.

### Permaseal™ Edge

Mills is the only manufacturer to offer the Permaseal Edge. Edges are formed to interlock together to provide a watertight fit without crown molding and the corners are brazed and finished smooth. This technique prevents moisture penetration and allows Mills to offer a 15-year rust-out warranty. All panels, doors and pilasters are fabricated using this technique.

### Panels

Panels are 1" thick, constructed from 22 gauge stainless steel.

### Doors

Doors are 1" thick, constructed from 22 gauge stainless steel. Each door includes internal 16 and 14 gauge welded reinforcements at the top and bottom hinge locations with a factory installed concealed true gravity cam. The closing position of each hinge is fully adjustable. A pre-punched hole permits field installation of the ADA-compliant concealed slide latch.

### Pilasters

1¼" thick, constructed from 18 gauge stainless steel. The ceiling edge of the pilaster shall be provided with an integrally welded 12 gauge leveling bar. Structural support and drilling are to be provided by others.

### Hardware

Mills standard hardware is constructed from heavy-duty grade chromed Zamac. Compartments are provided with all hardware and zinc-plated torx-head fasteners to complete installation for applications with concrete floors and masonry block walls.

### Door Hardware

Wraparound hinges are thru-bolted to the pilasters and the surface-mounted slide latch includes an emergency egress feature. The slide latch does not require a twisting motion and complies with all Federal ADA guidelines. The strike/keeper is surface mounted. Doors 32" wide or less are provided with a combination coat hook/bumper. Doors 34" wide or 36" wide are provided with an individual coat hook, door bumper and door pulls. Theft-resistant fasteners are supplied with all hardware.

### Brackets

Stirrup-type, single-ear, double-ear and U-brackets are provided with torx-head fasteners.

### Sleeves

Sleeves are 3" high, 300 Series stainless steel with #4 satin brushed finish and are secured by concealed retainer clips.



### Options

#### Textures

- 5WL (Requires particle board core pilasters)
- LTH (Leather Grain)

#### Door Hardware

- Zamac Surface-Mounted Slide Latch and Keeper
- Stainless Steel Surface-Mounted Slide Latch and Keeper

#### Hinges

- Chromed Zamac Wraparound Gravity Hinge (STD)
- Stainless Steel Wraparound Gravity Hinge
- Continuous Aluminum Spring-Loaded Hinge
- Continuous Stainless Steel Spring-Loaded Hinge

#### Brackets

- Chromed Zamac Stirrup Brackets (STD)
- Stainless Steel Stirrup Brackets
- Continuous Aluminum Brackets
- Continuous Stainless Steel Brackets

#### Miscellaneous

- Grab Bar Reinforcements
- Cutouts
- Solid Particle Board Core (must select doors, panels and/or pilasters)
  - Doors
  - Panels
  - Pilasters

Verify all rough-in dimensions prior to installation.

Consult local and national codes. Conformity and compliance to local and national codes is the responsibility of the installer.

**Sample Specification****Part 1 – General**

## 1.1 Summary

This section includes:

- A. Stainless steel toilet partitions, hardware and structural accessories.

## 1.2 Related Sections

- A. Section 10800: Toilet and Bath Accessories

## 1.3 Submittals

- A. Shop drawings: Layout of toilet partitions.
- B. Product data: Manufacturer's catalog cuts of typical panel, pilaster, door, hardware and fastening.
- C. Finishes: Stainless steel, 300 Series, with #4 satin brushed finish.

## 1.4 Quality Assurance

- A. Components of toilet partitions shall be sourced from one single-source manufacturer who certifies that materials meet or exceed specifications.
- B. Installation: Installer shall have a history of completed jobs of similar size and scope, and shall be qualified.

## 1.5 Delivery, Storage and Handling

- A. Pre-finished materials shall be delivered to the job site in original, unopened cartons or other packaging materials necessary to protect finishes. Materials shall be stored in manufacturer's packaging until installation. Partitions shall be stored in horizontal position with adequate support to ensure flatness and to prevent damage to pre-finished surfaces.

## 1.6 Project Conditions

- A. Building shall be enclosed and provide complete protection from outside weather. Temperature within building shall be above a minimum of 60°F.

## 1.7 Warranty

- A. Manufacturer shall provide a 15-year warranty against rusting of panels from the inside.
- B. Manufacturer shall provide a 5-year warranty for all chrome hardware, and a lifetime warranty for stainless steel hardware.

**Part 2 – Products**

## 2.1 Manufacturer

- A. Provide products manufactured by The Mills Company, subsidiary of Bradley Corp., Menomonee Falls, WI.

## 2.2 Equipment

- A. Ceiling-Hung Series 600 toilet partition system.

## 2.3 Components

- A. Permaseal edges shall be formed as a two-piece unit to interlock together to provide a watertight fit. Corners are to be brazed and finished smooth. Permaseal components shall not utilize crown molding.
  - 1. Permaseal Panels: 1" thick panels shall be manufactured from 22 gauge stainless steel, spaced and insulated with a moisture-resistant honeycomb core, adhered to the inner surfaces and set under pressure to cure.
  - 2. Permaseal Doors: 1" thick doors shall be manufactured from 22 gauge stainless steel, spaced and insulated with a moisture-resistant honeycomb core, adhered to the inner surfaces and set under pressure to cure. 16 and 14 gauge welded reinforcements shall be provided at top and bottom hinges. Concealed molybdenum cam to be factory installed. Door top to be drilled to receive top hinge pin providing three-point anchor.

- 3. Permaseal Pilasters: 1¼" thick pilasters shall be manufactured from 18 gauge stainless steel, spaced and insulated with a moisture-resistant honeycomb core, adhered to the inner surfaces and set under pressure to cure. The ceiling edge of the pilaster shall be provided with an integrally welded 12 gauge leveling bar. Structural support and drilling are to be provided by others. 3" high one-piece sleeve of 300 Series stainless steel shall be secured by concealed retainer clips.
- B. Hardware: Mills heavy-duty chromed Zamac hardware and fasteners necessary to complete an installation shall be provided.
  - 1. Hinges shall be wraparound and thru-bolted to the pilasters and shall have true gravity cams concealed within the door. The closing position of each hinge shall be fully adjustable.
  - 2. Surface-mounted slide latch shall provide emergency egress, shall not require any twisting motion and shall be ADA compliant.
  - 3. Strike and keeper to be provided as surface mounted.
  - 4. Coat hook and wall bumper shall be provided for in-swing doors. Door pulls shall be added for out-swing doors.
  - 5. Stirrup-type, single-ear, double-ear and U-brackets shall be provided at appropriate locations.
  - 6. Fastener for hinges, slide latch and keeper shall be zinc-plated with theft-resistant heads.
  - 7. Fastener for brackets shall be zinc-plated with torx-heads.

## 2.4 Finishes

- A. Stainless steel partitions shall be covered with self-adhesive coating for protection from scratches during installation.

**Part 3 – Execution**

## 3.1 Inspection

- A. Before installation, the installer shall inspect the site to ensure that no defects or conditions exist which would result in an unsatisfactory installation of the partitions. Measurements should also be taken at this time to further ensure correct installation.

## 3.2 Installation

- A. Install partitions, screens, dressing compartments and enclosures in accordance with shop drawings and manufacturer's current installation instructions. Leave partitions complete, clean and free from defects in workmanship. Self-adhesive protective plastic shall be removed from all material.
- B. Doors and hardware shall be thoroughly adjusted and left in proper working condition. Set doors in open or closed position as required.
- C. Outswing doors of more than 105° must have a wall or panel to stop door travel. (Note: Failure to follow manufacturer's recommended installation procedures voids warranty.)

## 3.3 Cleaning

- A. All rubbish and cartons generated by installing contractor shall be removed and area left broom clean.

Verify all rough-in dimensions prior to installation.

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