

## Stainless Steel Floor-Mounted Overhead Braced Restroom Partitions

### Series 400 – Sentinel™



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This is the most popular style of partitions. It is attached to the floor and stabilized at the top of the pilaster with anti-grip headrail. Floor mounted overhead braced material is recommended for heavy traffic or vandalism prone areas. It does not require any special floor or ceiling construction which makes it suitable for new or existing construction.

#### 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 type 304 stainless steel with a #4 satin brushed finish.

#### Permaseal™ Edge

Mills is the only manufacture 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

1-1/4" thick, constructed from 20-gauge stainless steel.

The floor edge of the pilaster shall be provided with an internally welded 18-gauge reinforcement that will accept a 3/8" zinc-plated jack bolt for leveling. The bracket shall connect to two "L" brackets that are secured to the floor and will allow for a full range of adjustment.

#### Hardware

Mills standard hardware is constructed from heavy-duty grade chromed zamac. Compartments are provided with all hardware and zinc-plated 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 concealed 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 and 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 pull. Theft resistant fasteners are supplied with all hardware.

#### Brackets

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

#### Headrail

Etched and anodized aluminum headrail is extruded with an anti-grip profile. It clamps over the pilaster and secures at the wall with stainless steel brackets.

#### Shoes

Shoes are 3" high type 304 stainless steel with #4 satin brushed finish and are secured by concealed retainer clips.

The Mills Company reserves the right to make changes in design, material, and documentation without formal notice and without incurring obligation.

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.

**Mills**

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## Options

### Textures

- 5WL (Requires particle board core pilasters)

### Hinges

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

### Door Hardware

- Chromed Zamac Concealed Slide Latch and Keeper (STD)
- Stainless Steel Concealed Slide Latch and Keeper
- Zamac Surface Mounted Slide Latch and Keeper
- Stainless Steel Surface Mounted Slide Latch and Keeper

### Brackets

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

### Miscellaneous

- Grab Bar Reinforcements
- Cut Outs
- Solid Particle Board Core \*
  - Doors
  - Panels
  - Pilasters

\* If you select Solid Particle Board Core, you must select doors, panels and/or pilasters.

## Specifications

### Stainless Steel Series 400 — Sentinel™

#### 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: Showing layout of toilet partitions.
- B. Product data: Manufacturer's catalog cuts of typical panel, pilaster, door, hardware and fastening.
- C. Finishes: Stainless steel type 304 #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. Sentinel™ Floor Mounted Overhead Braced Series 400 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. Slide latch holes to be pre-punched to permit field installation of concealed ADA compliant slide latch.
- 3. Permaseal™ Pilasters: 1-1/4" thick pilasters shall be manufactured from 20-gauge stainless steel, spaced and insulated with a moisture-resistant honeycomb core, adhered to the inner surfaces and set under pressure to cure. The floor edge of the pilaster shall be provided with an internally welded 18-gauge reinforcement that will accept a 3/8" zinc-plated jack bolt for leveling. The bracket shall connect to two "L" brackets that are secured to the floor and will allow for a full range of adjustment.
  - B. Headrail of etched and anodized aluminum shall be extruded with "anti-grip" profile clamps over pilasters and shall be secured to the wall with stainless steel brackets.
  - C. 3" high one-piece shoe of type 304 stainless steel shall be secured by concealed retainer clips.
  - D. Hardware: Mills heavy-duty chromed Zamac hardware and fasteners necessary to complete an installation shall be provided.
    - 1. Hinges shall wraparound and be 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. Concealed 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 Phillips 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 installer shall be removed and area left broom clean.

The Mills Company reserves the right to make changes in design, material, and documentation without formal notice and without incurring obligation. 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.