

This is the most popular style of partitions. It is attached to 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 requires a minimum 3" concrete floor for anchoring.

Construction

Consists of 0.48 high pressure decorative laminate which meets or exceeds NEMA standards, bonded under pressure with a non-toxic adhesive to a solid 45 lb. density industrial grade particle board core.

Panels

Panels are 1" thick construction.

Doors

Doors are 1" thick construction.

Pilasters

Pilasters are 1-1/4" thick construction. The floor edge of the pilaster shall be provided with a mechanically fastened 3/8" steel leveling bar. Pilasters are attached to the floor using a lead anchor, 3/8" threaded rod, hex nuts and washers to provide vertical and horizontal 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. Surface-mounted slide latch with emergency egress requires no twisting motion and complies with all Federal ADA guidelines. Strike-and-keeper is thru-bolted. 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

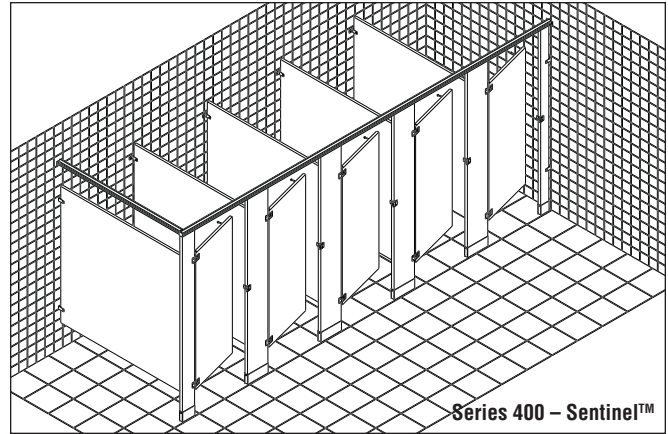
Stirrup-type, single-ear, double-ear and U-brackets are provided with appropriate fasteners.

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

4-piece shoes are 4" high, 300 Series stainless steel with #4 satin brushed finish and are secured to the edge of the pilaster with Phillips-head fasteners.



Series 400 – Sentinel™

Options

Colors

- | | | |
|--|---|---|
| <input type="checkbox"/> Black | <input type="checkbox"/> Gray Glacé | <input type="checkbox"/> Sunstone |
| <input type="checkbox"/> Burnished Ember | <input type="checkbox"/> Lichen | <input type="checkbox"/> Tuscan Olive |
| <input type="checkbox"/> Dove Gray | <input type="checkbox"/> Mystique Dawn | <input type="checkbox"/> Wild Cherry |
| <input type="checkbox"/> Evening Tigris | <input type="checkbox"/> Natural Almond | <input type="checkbox"/> Windsor Mahogany |
| <input type="checkbox"/> Frosty White | <input type="checkbox"/> Navy Legacy | <input type="checkbox"/> Windswept Bronze |
| <input type="checkbox"/> Fusion Maple | <input type="checkbox"/> Neutral Glacé | |
| <input type="checkbox"/> Graphite Nebula | <input type="checkbox"/> Pebble | |

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 Surface-Mounted Slide Latch and Keeper (STD)
- 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

- Cut-Outs
- Steel Reinforced 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 Specifications**Part 1 – General**

1.1 Summary

This section includes:

- A. Plastic Laminate 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 compartments.
- B. Product data: Manufacturer's catalog cuts of typical panel, pilaster, door, hardware and fastenings.
- C. Color chips: Sample of specified laminate on actual chip for color verification.

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 3-year warranty against delamination of panels.
- 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. Panels: 1" thick panels shall be constructed of 0.48 high pressure decorative plastic laminate meeting or exceeding NEMA standards bonded under pressure with a non-toxic adhesive to a solid 45 lb. density industrial grade particle board core.
- B. Doors: 1" thick doors shall be constructed of 0.48 high pressure decorative plastic laminate meeting or exceeding NEMA standards bonded under pressure with a non-toxic adhesive to a solid 45 lb. density industrial grade particle board core.
- C. Pilasters: 1-1/4" thick pilasters shall be the same construction as panels and doors. The floor edge of the pilaster shall be provided with a mechanically fastened 3/8" steel leveling bar. Pilasters shall be attached to the floor using a

lead anchor and 3/8" threaded rod, hex nuts and washers to provide vertical and horizontal adjustment.

- D. 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.
- E. 4" high, 4-piece shoes of 300 Series stainless steel shall be secured by Phillips-head fasteners.
- F. 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. 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 inswing doors. Door pulls shall be added for outswing 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. Fasteners for brackets shall be zinc-plated with Phillips heads (sheet metal screws) and theft-resistant heads (thru-bolts).

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.
- 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.

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.