

Bradley Euro Style Glass Toilet Partitions

Bradley Euro Style Glass Partitions have a modern minimalist design style of partitions. Bradley's Euro Style Glass Partitions are available in overhead braced configuration, along with urinal and entrance screens. Designers may choose from many popular colors.

Architects, engineers, and specifiers look to Bradley Corporation for innovation in design and leadership in the development of environmentally conscious products. Bradley Corporation, a member of the U.S. Green Building Council, the Wisconsin Green Building Alliance, has several products earning certification by GREENGUARDSM Environmental Institute, and GREENGUARD Children and Schools program.

Bradley eases the specifying process with a seasoned customer service staff and a range of helpful information tools on an advanced website. For example, easy-to-use sizing software, available on Bradley's website, allows engineers to quickly determine the correct size Thermostatic Mixing Valves.

Bradley is the industry leader in the manufacture of premium quality commercial plumbing fixtures, valves, and washroom accessories that appear in the following CSI MasterFormat 2004™ Sections:

- Section 10 21 13.13 – Steel Toilet Compartments
- Section 10 21 13.15 – Stainless Steel Toilet Compartments
- Section 10 21 13.16 – Plastic Laminate Toilet Compartments
- Section 10 21 13.17 – Phenolic-Core Toilet Compartments
- Section 10 21 13.17 – Glass Toilet Compartments
- Section 10 21 13.19 – Plastic Toilet Compartments
- Section 10 21 13.40 – Stone and Stainless Steel Toilet Compartments
- Section 10 28 13.13 – Commercial Toilet Accessories
- Section 10 28 13.15 – Warm Air Dryers (Aerix® Hand and Hair Dryers)
- Section 10 28 13.63 – Detention Toilet Accessories
- Section 10 51 26 – Plastic Lockers (Lenox Plastic Lockers)
- Section 22 11 19 – Domestic Water Piping Specialties (Thermostatic mixing valves)
- Section 22 42 16.01 – Commercial Lavatories and Faucets (Single and multi-station lavatory systems)
- Section 22 42 16.02 – Commercial Lavatories and Faucets (Bradley Advocate™ Lavatory System)
- Section 22 42 16.03 – Commercial Lavatories and Faucets (Bradley Verge™ Lavatory System)
- Section 22 42 16.04 – Commercial Lavatory Decks and Faucets (Bradley Omni Decks)
- Section 22 42 16.11 – Commercial Sinks and Faucets
- Section 22 42 23 – Commercial Showers and Shower Valves
- Section 22 42 33 – Wash Fountains
- Section 22 43 00 – Healthcare Plumbing Fixtures (Patient care lavatory units)
- Section 22 45 00 – Emergency Plumbing Fixtures (Emergency Eyewash Fixtures and Drench Showers)
- Section 22 46 00 – Security Plumbing Fixtures

Contact Bradley Corporation, Menomonee Falls, WI 53051; Phone: 800-BRADLEY ((800)272-3539) Fax: (262)251-5817, or visit the Bradley web site www.bradleycorp.com.

Bradley Corporation is an AIA/CES registered provider currently offering six programs earning one (1) HS&W Learning Unit each; several qualify for sustainable design (SD) credit.

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GREENGUARD Certification ProgramSM is a service mark of GREENGUARD Environmental Institute.

**SECTION 10 21 13.50
GLASS TOILET COMPARTMENTS**

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Glass panel compartment partitions for the following applications:

Specifier: Delete applications not required.

- a. Toilet enclosures.
- b. Privacy screens.
- c. Urinal screens.

Specifier: Related Requirements paragraph and subparagraphs are included here for reference, but are frequently deleted from project specifications. If retaining, edit subparagraphs as required to coordinate with construction documents and components specified.

B. Related Requirements:

1. Division 03 Section "Cast in Place Concrete" for compartment anchorage to concrete substrates.
2. Division 04 Section "Unit Masonry" for compartment anchorage to masonry substrates.
3. Division 06 Section "Rough Carpentry" for compartment anchorage to frame walls.

Specifier: References Article is included here for information, but is frequently deleted from project specifications. If retaining, edit subparagraphs as required to coordinate with construction documents and components specified.

1.2 REFERENCES

A. ASTM International (ASTM):

1. ASTM A 240 - Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications.
2. ASTM A 666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
3. ASTM B 86 - Standard Specification for Zinc and Zinc-Aluminum (ZA) Alloy Foundry and Die Castings.
4. ASTM B 221 - Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
5. ASTM D6578 / D6578M - Standard Practice for Determination of Graffiti Resistance
6. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

B. International Code Council (ICC)/American National Standards Institute (ANSI):

1. ICC/ANSI A117.1 - Accessible and Usable Buildings and Facilities, as applicable to toilet compartments designated as accessible.

C. United States Department of Justice:

1. ADA - Americans with Disabilities Act, Excerpt from 28 CFR Part 36 - ADA Standards for Accessible Design.

Specifier: GREENGUARD Environment Institute is an ANSI Authorized Standards Developer that oversees the GREENGUARD certification program. GEI establishes acceptable indoor air standards for indoor products, environments, and buildings. GREENGUARD Certification pending as of 03/01/2021. Verify status with manufacturer.

- D. GREENGUARD Environmental Institute (GREENGUARD):
 - 1. GREENGUARD certified low emitting products.

1.3 ACTION SUBMITTALS

- A. Product Data: Manufacturer's data sheets for each type of product indicated. Include fabrication details, description of materials and finishes.
 - 1. Product Test Reports: When requested by Architect, submit documentation by qualified independent testing agency indicating compliance of products with requirements.
- B. Shop Drawings: Include overall product dimensions, floor plan, elevations, sections, details, and attachments to other work. Include choice of options with details.

Specifier: Delete Samples for Selection paragraph if Architect has already made product and color selections.

- C. Samples for Selection: Furnish samples of manufacturer's full range of colors for initial selection.
- D. Samples for Verification: Furnish physical sample of material in selected color.
 - 1. Size: 4 by 11 inches (275 by 100 mm) minimum, in type of finish specified.
- E. LEED Submittals:

Specifier: Retain below if selecting products with recycled content, applicable to LEED-NC, LEED-CS, LEED-CI, and LEED for Schools.

- 1. Product Data for Credit MR 4: For products having recycled content, documentation indicating percentages by weight of postconsumer and preconsumer recycled content. Include breakout costs for each product with recycled content.

Specifier: Retain below if selecting products required to meet California DHS requirements, applicable to LEED for Schools.

- 2. Laboratory Test Reports for Credit IEQ 4: For adhesives, documentation indicating that products comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

1.4 INFORMATIONAL SUBMITTALS

- A. Warranty: Sample of special warranty.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance and cleaning instructions.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Approved manufacturer listed in this section, with minimum five years' experience in the manufacture of toilet compartments.

Specifier: Retain paragraph above or below based on project requirements. Retain paragraph below when owner requires substitution requests from alternate equal manufacturers.

- B. Manufacturer Qualifications: Approved manufacturer listed in this section, with minimum five years' experience in the manufacture of toilet compartments. Manufacturers seeking approval must submit the following in accordance with Instructions to Bidders and Division 01 requirements:
1. Design and Aesthetic Compliance: Product design features that mimic BOD design aesthetic.
 2. Product data, including test data from qualified independent testing agency indicating compliance with requirements.
 3. Samples of each component of product specified.
 4. List of successful installations of similar products available for evaluation by Architect.
- C. Installers Qualifications: Experienced Installer regularly engaged in installation of toilet compartments for minimum three years.
- D. Source Limitations: Obtain toilet compartment, screens and accessories from single manufacturer.

Specifier: Bradley offers handicapped-accessible toilet compartments conforming to requirements of ICC/ANSI A117.1. Show accessible unit locations and details on Drawings.

- E. Accessibility Requirements: Comply with requirements of ICC/ANSI 117.1, and with requirements of authorities having jurisdiction.

Specifier: Bradley's Phenolic LT Toilet Compartments exceed LEED for Schools IEQ requirements as certified by GREENGUARD. GREENGUARD Certification pending as of 03/01/2021. Verify status with manufacturer.

- F. Indoor Environmental Quality Certification: Provide certificate indicated that products have been certified under the following programs, or a comparable certification acceptable to Owner:
1. GREENGUARD Indoor Air Quality Certified.
 2. GREENGUARD Certified for Children and Schools.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver toilet compartments to site until building is enclosed and HVAC systems are in operation.
1. Deliver toilet compartments in manufacturer's original packaging.
 2. Store in an upright condition.

1.8 WARRANTY

- A. Special Manufacturer's Warranty: Provide manufacturer's standard form in which manufacturer agrees to repair or replace products that fail in materials or workmanship during the following period after substantial completion:
1. Glass Toilet Partitions: 5 years.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis-of-Design Manufacturer: Subject to compliance with requirements, provide products of **Bradley Corporation, Menomonee Falls, WI 53051**.
 - 1. Contact Information: (800)272-3539, fax (262)251-5817; Email info@BradleyCorp.com; Website: www.bradleycorp.com.

2.2 DESIGN

- A. Modern minimalist design with flush surface construction and hidden headrail.
 - 1. Scratch-proof, tempered glass with ceramic screen printing fitted to stainless steel connecting brackets and fittings. A stainless steel headrail runs along the top recessed 4.6 inches (118 mm). Each dividing wall uses 6 brackets to connect to the front panel secured using flush-fitting, stainless steel rosettes. Three stainless steel brackets connect the panel to the wall.
 - 2. Glass panels shall be 100% recyclable.
 - 3. Standard height of 85.1 inches (2162 mm) including the 1.9 inches (50 mm) floor clearance.

2.3 MATERIALS

- A. Panels, Doors and Pilasters:
 - 1. Constructed from scratch-proof, tempered glass with ceramic screen printing that is resistant to stains and corrosion. Corners shall be polished smooth for aesthetic and safety purposes.
 - 2. Surface Burning: Not tested or rated.
 - 3. Impact Resistant: Not tested or rated.
 - 4. Scratch Resistant: ASTM D6578.
- B. Stainless Steel Sheet: ASTM A 240 or A 666, 300 series.
- C. Stainless Steel Castings: ASTM A 743/A 743M.
- D. Aluminum: ASTM B 221.

2.4 GLASS TOILET COMPARTMENTS

- A. Toilet Compartment Type:
 - 1. Overhead braced.
 - a. Basis of Design Product: **Bradley Corporation, Euro Style, Series LUCENT**

Specifier: Basis of Design Product: Bradley Corporation, Euro Style, Series FLOAT. Delete privacy and urinal screens if not required.

- B. Privacy Screen Type:
 - 1. Floor anchored.
 - a. Basis of Design Product: **Bradley Corporation, Euro Style, Series LUCENT**.
- C. Urinal Screen Style:
 - 1. Wall hung/ floor supported:
 - a. Basis of Design Product: **Bradley Corporation, Euro Style, Series LUCENT**.

2.5 CONSTRUCTION

- A. Panels, Doors & Pilasters;
 - 1. 0.4 inches (10 mm) thick and constructed from tempered glass that is resistant to stains and corrosion. All corners are polished smooth. Doors include an individual coat hook and door bumper.
 - 2. Adjustable floor feet shall maintain panels 1.9 inches (50 mm) above finished floor.
- B. Headrail: Extruded anodized aluminum headrail profile. Provide clamps for attachment to panel and stainless steel brackets to secure to wall.
- C. Feet: Constructed of stainless steel.
- D. Brackets (Fittings): Stirrup Type: U-brackets; stainless steel.

Specifier: Delete if not required.

- E. Urinal-Screen Construction: Matching toilet compartment panel construction.
 - 1. Urinal-Screen Feet: Manufacturer's standard floor feet design with panel matching the pilaster and secured to wall.

Specifier: Delete if not required.

- F. Privacy Screen Type: Matching toilet compartment panel design and construction.
 - 1. Privacy-Screen Feet: Manufacturer's standard floor feet design with panel matching the pilaster and secured to wall.

2.6 FINISH

- A. Provide panels, pilasters and doors with the following color(s):

Specifier: Delete colors not required. If more than one color is required, schedule application on the drawings with application inserted in the color sub-paragraph below. Custom colors carry a long lead time for fabrication and delivery.

- 1. Agate Gray.
- 2. Alabaster.
- 3. Basalt Gray.
- 4. Coastal Blue.
- 5. Morning Fog.
- 6. Obsidian.
- 7. Oyster White.
- 8. Seagrass.
- 9. White.
- 10. Tide Pool.
- 11. Custom.

2.7 HARDWARE

- A. Hardware: Manufacturer's standard stainless steel castings, including corrosion-resistant, tamper-resistant fasteners:

Specifier: Optional hinge. Self-closing hydraulic hinge is and upgrade. Delete hinge not required.

1. Hinge: Continuous pin and barrel full mortised stainless steel.
2. Hinge: Self-closing (hydraulic) hinges available featuring a soft-close function, ensuring a silent close.
3. Coat Hook: Combination hook and rubber-tipped stop, sized to prevent door from hitting compartment-mounted accessories. Provide wall bumper where door abuts wall.
4. Door Latch: Stainless steel door knob. Inside door knob has an easy-to-manuever paddle built into the locking wheel. White/red indication latch and emergency release feature is integrated on the outside of the door knob. The emergency release uses a 5/32 inch (4 mm) Allen key that is inserted into the center of the door knob from the outside to unlock the door.
5. Door Pull: Stainless steel, thru-bolt (each side) on ambulatory and accessible compartment doors and where scheduled or indicated.

2.8 FABRICATION

- A. Overhead-Braced Units: Provide manufacturer's standard corrosion-resistant supports, leveling mechanism, and anchors at pilasters to suit floor conditions.

Specifier: Delete if not required.

- B. Urinal-Screen Posts: Provide manufacturer's standard corrosion-resistant feet anchoring assemblies with leveling adjustment at bottoms of panel.

Specifier: Retain paragraph below and revise to suit Project if door sizes and swings are not shown on Drawings; verify requirements of authorities having jurisdiction.

- C. Door Size and Swings: Unless otherwise indicated, provide 26 inches (660 mm) wide, in-swinging doors for standard 35 inches (889 mm) toilet compartments. 36-inches (914 mm) wide compartments without-swinging doors with a minimum 32 inches (813-mm-) wide clear opening for compartments designated as accessible or ambulatory.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine work area to verify that measurements, substrates, supports, and environmental conditions are in accordance with manufacturer's requirements to allow installation.
1. Proceed with installation once conditions meet manufacturer's requirements.

3.2 INSTALLATION

- A. General: Comply with manufacturer's written installation instructions. Install unit rigid, straight, level, and plumb. Secure units in position with manufacturer's recommended anchoring devices.
- B. Install toilet partitions and screens in spaces with operating, temperature controlled HVAC systems. Shield partitions and screens from direct sunlight.
- C. Stirrup Brackets: Secure panels to walls with no fewer than three brackets attached at midpoint and near top and bottom of panel. Locate wall brackets so holes for wall anchors occur in masonry or tile joints. Align brackets at pilasters with brackets at walls.

3.3 ADJUSTING

- A. Hardware Adjustment: Adjust and lubricate hardware according to hardware manufacturer's written instructions for proper operation. Set hinges on doors [and doors in privacy screens] to return doors to fully closed position.

3.4 FINAL CLEANING

- A. Remove packaging and construction debris and legally dispose of off-site.
- B. Clean partition and screen surfaces with materials and cleansers in accordance with manufacturer's recommendations.

END OF SECTION