

Shower Room Design Guide

Solutions for commercial shower applications



Schools K-12
Student Housing
Fitness Clubs

Sport & Rec Facilities
Industrial Plants
ADA Compliance

BRADLEYCORP.COM





Shower Room Design Guide

Durable. Reliable. Diverse.

Are you in pursuit of the commercial shower solution designed to provide a solid foundation for your functional and aesthetic values – and withstand the test of time? So are the experts at Bradley.

In fact, this approach to enduring, classic design has been our passion and secret to success for over 90 years.

Bradley offers the most comprehensive line of shower valves and shower systems, in addition to lavatories, faucets, partitions, thermostatic valves, solid plastic lockers, washroom accessories and emergency fixtures. The goal is to provide you and the people who rely on your services with the widest array of design solutions available anywhere.

This Shower Room Guide has been designed to help you see how you can get the most from your relationship with Bradley.

Bradley: The solution for shower applications

		Schools	Park & Rec	Industrial Plants	Stadiums or Arenas	Health Clubs	Student Housing
In-Wall Shower (1C)	1 Person Built-In <ul style="list-style-type: none"> Familiar to users and maintenance staff Each shower built on site (in wall) Requires independent supply connections Layout flexibility 	•	•	•	•	•	•
In-Wall Shower (WS-1WCA)	1 Person Prefab <ul style="list-style-type: none"> Eliminates in-wall piping Preassembled – no need to “build” on site Requires independent supply connections Accommodates exposed or concealed piping Best in tight spaces 	•	•	•	•	•	•
Group Wall Shower (WS-3W)	2–3 Person Prefab <ul style="list-style-type: none"> One set of supply connections Preassembled – no need to “build” on site Accommodates exposed or concealed piping 	•	•	•	•		
Column Shower (COL-6C)	Column Prefab <ul style="list-style-type: none"> One set of supplies for up to six stations Preassembled complete with drain system Water wear on walls eliminated Ideal for remodel Small surface to clean 	•	•	•	•		
Panelon® Wall Shower (1PA)	Wall Panel Prefab <ul style="list-style-type: none"> Preassembled Easy access to supply piping One set of connections per panel Layout flexibility Ideal for remodel 	•	•	•	•		

Schools K-12

The pathway from kindergarten through high school is probably one of the ultimate test tracks in any product's life cycle. Only proven, solid solutions that can withstand the rigors of children and young adults will make the grade. Bradley shower products score high on this test.

KEY POINTS:

Elementary Schools

- Shower rooms should have their showerheads installed at 5'6" (1.7m)
- Showers without partitions allow for easier supervision

High Schools

- Shower rooms should have their showerheads installed at 6'0" (1.8m)
- In situations where an entire class must shower in a limited time, maximum space utilization must be achieved
- Provide adequate number of showers for time limitations (3 minutes)
- Utilize a layout design that allows maximum supervision

3:1

Person to Product Ratio





Column Shower

Maximize shower space while virtually eliminating water wear on walls. One set of supply lines complete with its own drain.



EconoWall

Great solution for limited space and ease of use. Comes completely preassembled for quick installation.



Air Metering

Reliably meters water from preset intervals of 5 to 45 seconds. ADA compliant.



TouchTime® Metering

The most reliable metering valve in the industry — is easy to install, just plug it in and go. Available with mechanical metering push button or piezo metering switch. Performance is guaranteed since there are few moving parts and its operation is unaffected by most chemicals and minerals often present in municipal water supplies. The solid state digital circuitry is completely sealed within the control module, so water and humidity won't affect performance. Available pre-set in 1 minute cycles but is field adjustable to pre-set cycles and optional auto-flush function. ADA compliant.

School facilities must now balance creating resilient and safe environments that are also welcoming. Furthermore, proper restroom and locker room planning must account for a multitude of issues from security and vandalism to traffic flow, ADA compliance and ease of maintenance.

Maintenance	Privacy	Vandalism	Conservation
<p>Choose fixtures that combine the showerheads, piping, control valves, and soap trays into a single unit</p> <p>Electronic metering valves prove more reliable than mechanical valve versions</p>	<p>Consult on privacy requirements with appropriate school representative prior to project starting</p> <p>Gender differences may impact privacy needs — avoid providing too little — especially for girls</p> <p>Properly positioned partitions add privacy within budget limitations</p>	<p>Use vandal-resistant showerheads and valves</p> <p>Enclosed piping, low-profile designs with fixed directional spray protect the fixtures</p> <p>Stainless steel construction offers long-lasting durability</p>	<p>The installation of electronic or pneumatic control valves in push button configurations shut off automatically after preselected time increments</p> <p>Select 1.5 GPM (5.7LPM) or 2.0 GPM (7.6 LPM) showerheads</p>



4:1

Person to Product Ratio

Student Housing

The transition from home into one's first experience with independence is a major moment in any person's life. And as schools look for new ways to compete for the best talent, not surprisingly, housing presentation is playing a greater role in defining a parent's comfort level and a student's ultimate decision. That is why today's student housing market calls for both durable yet increasingly upscale bath and shower solutions.

KEY POINTS:

- Student housing and shower rooms are increasingly private accommodations
- Showers provide a space and moment for relaxation in an otherwise hurried day: focus on systems and designs that appeal to feelings of "home"
- In public spaces, focus on designs that encourage social interaction, while offering a sense of privacy with respect to personal space



Equa-Flo with Temperature Display

Pressure-balancing valve with digital temperature display



Equa-Flo™ HD

Pressure-balancing valve for heavy usage applications, with soft flow showerhead.



Pivoting Wall Shower

With an industry-unique hinge for easy access and quick installation.



Shower Room Accessories

Shower curtains, grab bars, towel/robe hooks and more.

You need accessory options and Bradley has them to fit every washroom and every budget. Satin finish stainless steel design to match any decor in recessed, semi-recessed and surface-mounted styles.

Maintenance	Privacy	Vandalism	Conservation
<p>Reduce valve-servicing expense by specifying simplified, single-handle, pressure-balancing or thermostatic valves</p> <p>Consider Bradley's durable Terreon shower pans for both long-lasting and aesthetic design options</p>	<p>Consult on specific student housing privacy requirements, which may vary by institution</p> <p>Gender preferences indicate that private showering and changing units are essential for women, and of increasing interest to men</p> <p>Privacy can be selectively designed into public spaces by the use of Bradley's partitions; available in a variety of materials and finishes</p>	<p>Vandalism may be minimized or eliminated in more public spaces in the following ways:</p> <p>Balance visual goals with durable pressure-balancing, or thermostatic valve with metal stem and control handle</p> <p>Durable chrome-plated brass showerheads also extend useful life</p>	<p>We suggest avoiding metering valves and other options that restrict water flow and temperature controls, to respect personal requirements and preferences</p> <p>Select water-conserving showerheads with 1.5 GPM (5.7LPM) or 2.0 GPM (7.6 LPM) flow controls</p>



10:1

Person to Product Ratio

Fitness Club

At the heart of things, fitness clubs are about maintaining a sense of connectedness and balance in one's life. And so the club's physical environment ultimately needs to mirror the membership experience.

Competition, personal challenge and achievement, are the things that get reinforced every time a member "hits the showers" at the end of a workout session. It's also what keeps them coming back. Bradley solutions help reinforce the right impression every time.

KEY POINTS:

- Members, especially in private clubs, typically prefer more personalized spaces that balance privacy with social ease
- Demographic needs should be considered, especially in more traditional settings, or in areas catering to retiree members



Barrier-Free Shower

Includes thermostatic mixing valve to maintain consistent water temperature. Hand shower is connected to a 60" stainless steel flexible hose and attaches to a slidebar. A lever handle diverter controls the flow of water between the hand shower and showerhead.



Lenox® Lockers

Design flexibility, 20-year warranty, and shipped fully assembled for easy installation.

- Unaffected by moisture, humidity, or chlorine.
- Completely corrosion-proof
- Can easily be cleaned with soap and water.
- Absorption rate of nearly zero



Equa-Flo with Temperature Display

Pressure-balancing valve with digital temperature display.

Bradley's panelon showers provide options at the fitness club.

The club also features Bradley's Express® Lavatory MG Series, Lenox solid plastic lockers and pedestal benches, Mills® stainless steel partitions and washroom accessories.



Maintenance	Privacy	Vandalism	Conservation
<p>Reduce valve-servicing expense by specifying simplified, single-handle, pressure-balancing or thermostatic valves</p> <p>Consider Bradley's hinge design Pivoting Individual Wall Shower Model WS-1X which allows servicing without dismantling</p>	<p>Both women and men prefer individual shower and dressing stalls – especially in exclusive clubs</p> <p>Generously sized shower stalls, which are balanced for space/frequency constraints, are generally preferred</p>	<p>Vandalism is not usually a concern at membership-driven fitness clubs</p> <p>Always use pressure-balancing or thermostatic valves to maintain consistent temperature and avoid scalding</p>	<p>To respect personal requirements and preferences, avoid metering valves and other options that restrict personally desired water flow</p>



4:1

Person to Product Ratio

Sports & Rec Facilities

There are few places on earth that see as much rugged foot traffic and rigorous use as a sports and recreation facility. Especially when it comes to shower room fixtures. Designed to handle the roughest traffic flows in the business, count on Bradley's enduring quality and flexibility to handle any team's (or fan's) peak-performance needs.

KEY POINTS:

Public and Private Sports & Recreational Facilities

- Multi-generational usage means showerheads should be installed at varying heights
- It is essential to comply with all public-use rules, including Americans with Disabilities Act (ADA)
- Water conservation is of high interest to owners looking to contain costs
- Specify vandal-resistant fixtures

Stadium & Arena Shower Rooms

- Specify quick clean up, vandal-resistant fixtures
- Showerheads to accommodate athlete heights
- Avoid metering valves that restrict duration of water flow

University & College Athletic Facilities

- Provide independent temperature control
- Design with aesthetics in mind – as these facilities are often showcased for athletic recruiting

Maintenance	Privacy	Vandalism	Conservation
<p>Reduce valve-servicing expense by specifying simplified, single-handle, pressure-balancing or thermostatic valves</p> <p>Consider Bradley's hinge design Pivoting Individual Wall Shower Model WS-1X which allows servicing without dismantling</p>	<p>Privacy is preferred in shower stalls for both men and women in public sports and recreational facilities</p> <p>Privacy is of less concern in athletic stadium shower rooms, or university athletic facilities</p> <p>Recreation Facilities that cater to families, larger shower stalls make it easier for parents with young children. Consideration should also be given to a Family Locker or Shower Room for moms with boys or dads with girls</p>	<p>Consideration of valves without volume or temperature controls is recommended for bathers in public facilities. Enclosed piping is also recommended</p> <p>Heavy-duty, institutional showerheads featuring low-flow design and fixed directional spray patterns are recommended only in public facilities</p>	<p>Consider electronic control valves with automatic shutoffs in public facilities</p> <p>Select water-conserving showerheads with 1.5 GPM (5.7LPM) or 2.0 GPM (7.6 LPM) flow controls</p> <p>Avoid metering valves and other options that restrict desired water flow in athletic facilities and stadiums</p> <p>Allow for independent temperature control in athletic facilities</p>

“It’s been a year and a half since we started the shower renovation with Bradley...there are no drips and the shower rooms are dry. We have had no maintenance on any of the showers, which has saved us huge dollars in labor and parts, as well as the water savings.”

**Maintenance Manager
Edmonton Mall**



Coverall Wall Shower

Preassembled, for easy installation, heavy-duty construction. Ideal for Park and Rec usage.



Equa-Flo HD

Pressure-balancing valve keeps water temperature and pressure at a consistent level. Shown with soft flow showerhead.

Industrial Plants

Supporting the manufacturing goals of throughput and uptime was the original inspiration behind Bradley's first industrial group shower and washroom systems. The designs spearheaded an industrial revolution of their own by helping employees feel and ultimately deliver their best. Now, more than 90 years later, Bradley is still refining solutions to help meet employee needs for both comfort and safety, keeping the wheels of industry turning.

KEY POINTS:

- Industrial settings typically prefer privacy showers in both women and men's locker rooms
- These settings also must appeal to individual needs and preferences, including selective temperature controls, while avoiding use of metering valves and extremely low-flow conservation showerheads
- Specify heavy-duty fixtures
- Accommodate peak demand with an ample supply of showerheads

5:1

Person to Product Ratio



Maintenance	Privacy	Vandalism	Conservation
<p>Panelon showers and prefabricated modular shower systems are recommended, especially for open shower room applications</p> <p>Consider Bradley's hinge design. Pivoting Individual Wall Shower for streamlined, trouble-free servicing, without dismantling</p>	<p>Check with management's preferred privacy requirements</p> <p>Adult men and women prefer use of private shower stalls</p>	<p>Vandalism is not a common concern. However, if present, it can be minimized or eliminated in the following ways:</p> <p>Balance aesthetic goals with durable, pressure-balancing, or thermostatic valve with metal stem and control handle</p> <p>Durable, chrome-plated brass showerheads also extend useful life</p>	<p>To respect personal requirements and preferences, avoid metering valves and other options that restrict personally-desired water flow</p> <p>Specify simple, single-handle pressure-balancing valves or thermostatic valves to reduce valve-servicing costs</p>



Thermostatic Mixing Valve

Reliable wax-filled thermostat with adjustable set point. Positive shutoff of hot supply.



Panelon®

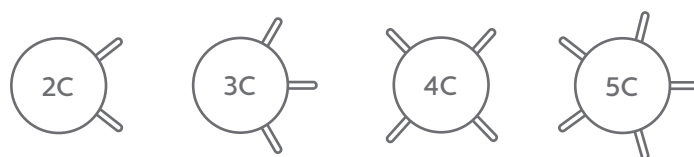
Prefabricated modular showers can be built to your specifications



Privacy Multi-Stall

Unit complete with curtain and necessary hardware for installation. Panels available in Stainless Steel.

Showerhead Configurations for Models 2C–5C:



ADA Compliance

The Americans with Disabilities Act (ADA) is a comprehensive civil rights law enacted in 1990 to establish various rights to people with disabilities. Following are some considerations for providing barrier-free shower room access that meets ADA. More information/guidelines can be obtained at www.ada.gov.

Designing the Room Layout

- Obtain specific rules from ADA regarding mounting heights, clearances and ease of operation
- Recheck all measurements for entire space – as it is considered in the guidelines
- Consult local codes for any special requirements

ADA Shower System Requirements

- 36" x 36" (914mm x 914mm) shower stall
- Seat mounted 17-19" (432mm x 483mm) from floor
- Seat is full depth of stall wall
- Grab bar installed on the control side and back side of stall 33" to 36" (838mm x 914mm) from floor
- Spray unit must offer both hand-held unit with 60" hose and fixed showerhead
- Controls are 38"-48" (965mm x 1219mm) from floor
- Shower controls must require less than 5 lb (2.3kg) of pressure to operate without any grasping
- Suggest Bradley's Equa-Flo pressure-balancing valve or TouchTime metering valve with tempered water supply

Layout Consideration

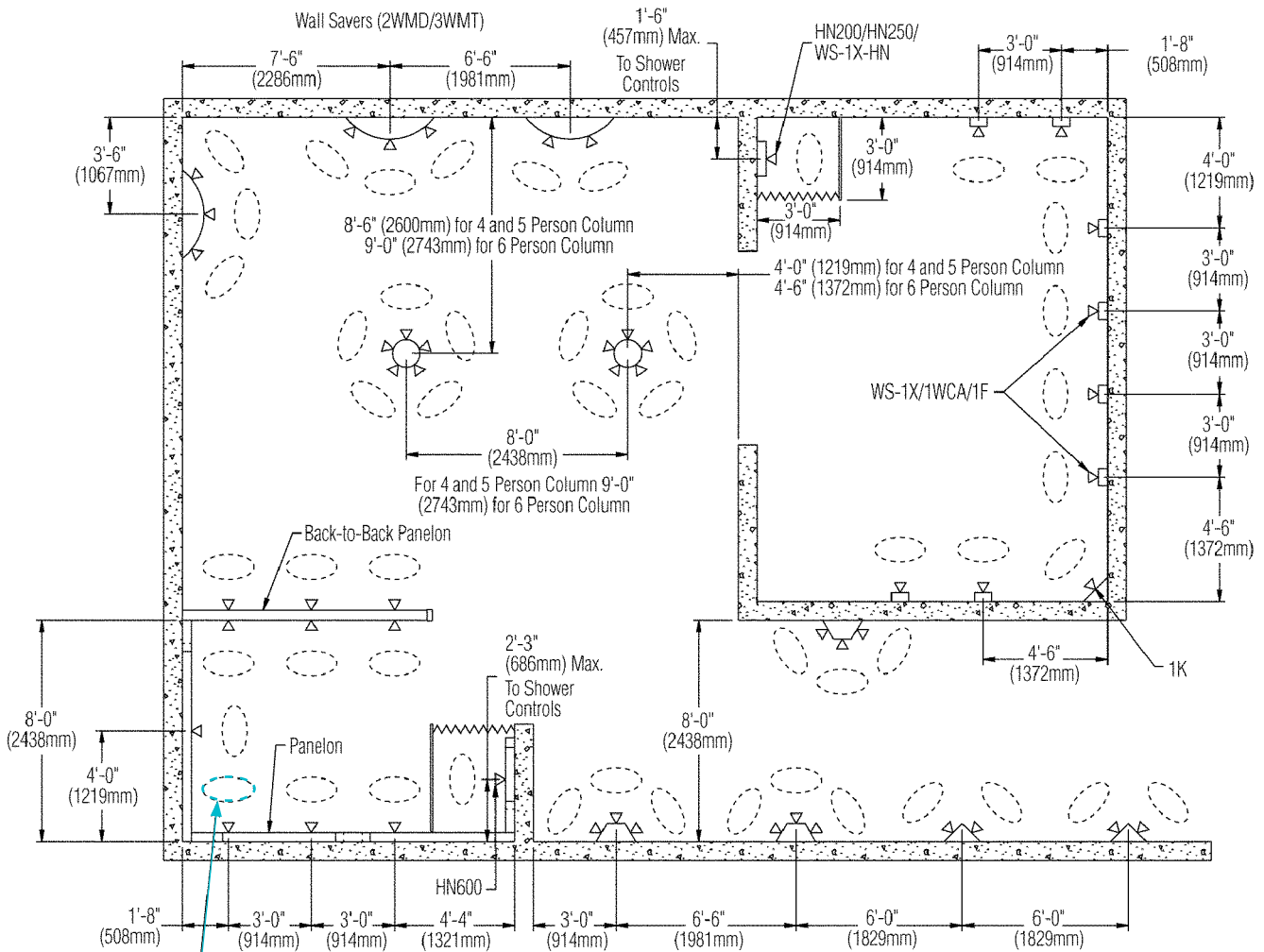
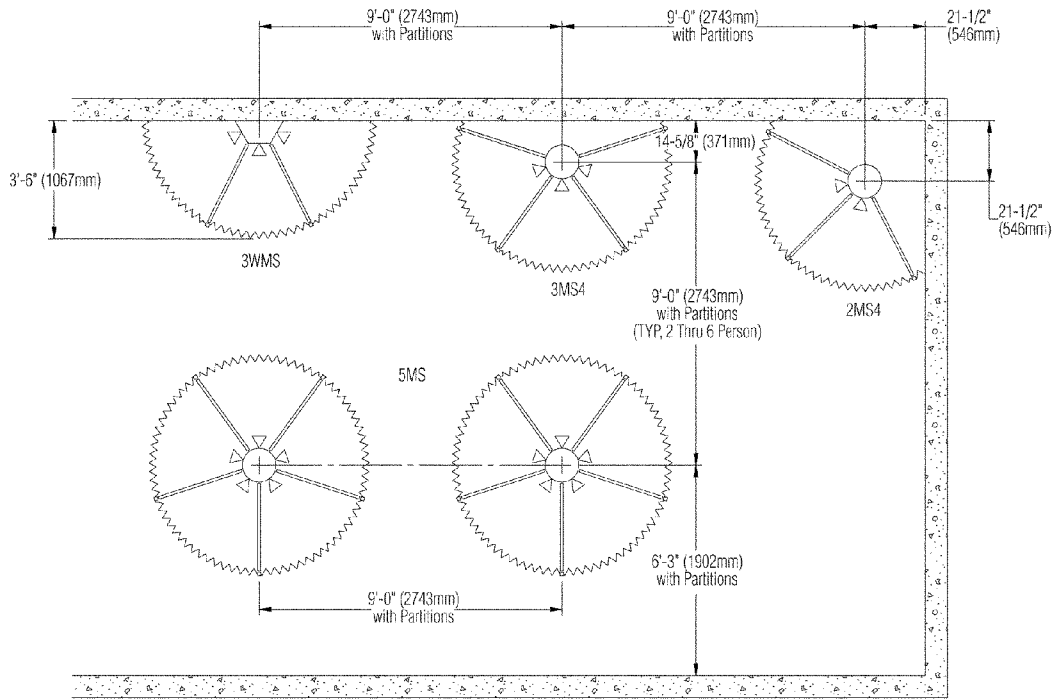
Maximum Space Efficiency

Can be achieved by utilizing the center of the shower room. Back-to-back panel showers, conventional showers or the use of column showers provide multi-station showering.

Minimum Practical Clearances

For additional Shower room layout information, refer to Bradley's Technical Data found on the web: bradleycorp.com. The clearances shown are absolute minimums. Always allow a minimum of 24" (610mm) for traffic to/from a station.





Indicates outermost body position



+1 262 251 6000
800 BRADLEY bradleycorp.com
W142 N9101 Fountain Boulevard
Menomonee Falls, WI 53051

3580-1117

