

stern



## TOUCHLESS WC CUBICLES

TOUCHLESS INNOVATION WITH HIGH-TRAFFIC SOLUTIONS

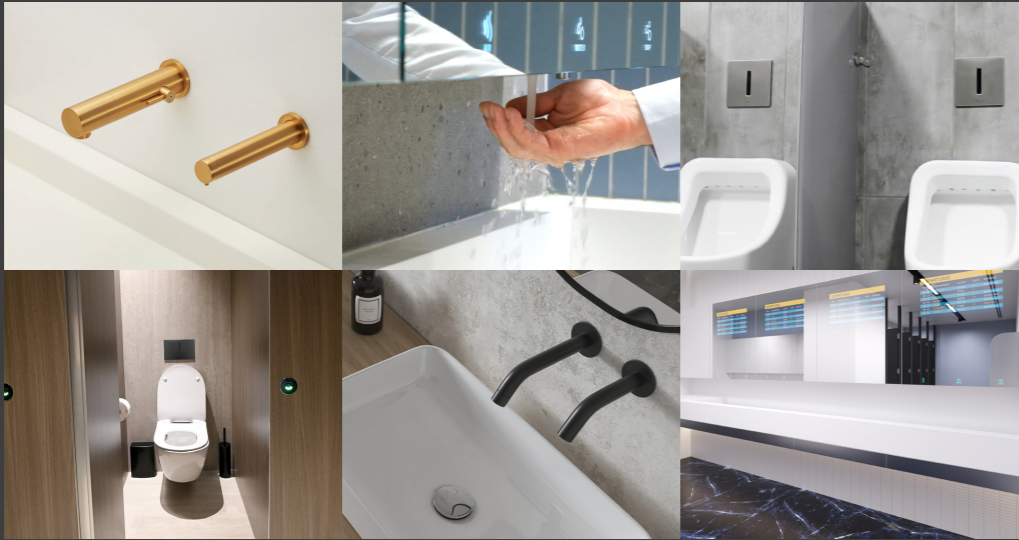


# Stern's Executive Touchless WC Cubicles

Since 1989, Stern Engineering has been at the forefront of designing and manufacturing cutting-edge, sustainable touch-free fixtures for commercial washrooms.

Being a leader in Green Building and LEED practices, using Stern's touchless faucets, soap dispensers, hand dryers, "Behind-The-Mirror" and SWAR – mirrored wash stations, urinals, dual flush valves, and shower panels can help any project maximize sustainability and water conservation.

Expanding on this expertise, Stern has introduced its latest innovation: Patented Touchless Cubicles. This new product complements the Total Touchless Washroom concept, offering seamless functionality and hygiene in every aspect of the design.



- Optimizing Surface Hygiene and Minimizing the Risk of Cross Contamination
- Quick & Easy Installation
- Intuitive and Simple to Use
- Safe and Reliable
- Minimal Maintenance and Failure-Free



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Stern specializes in designing and manufacturing HPL cubicles and doors in its own facilities, adhering to stringent manufacturing and quality standards. Our high-quality HPL products come in a variety of colors and feature touchless operation.

Why Choose HPL?

When it comes to washroom cubicles, there are numerous options available in the market. However, High-Pressure Laminate (HPL) stands out due to its unique features. HPL is created by fusing layers of Kraft paper, resin, decorative paper, and a transparent overlay at high temperature and pressure. The resulting composite sheet is highly durable and stable. Here are the reasons why HPL is the preferred choice for washroom cubicles:

DURABILITY

HPL cubicles are robust, durable, and resistant to impact and abrasions. With its scratch-resistant properties, HPL maintains its finish for an extended period compared to other materials. This makes it an ideal option for commercial restrooms with high user traffic.

FLOOR-TO-CEILING AESTHETICS AND PRIVACY

Stern's Floor-to-Ceiling toilet cubicles offer a polished appearance, adding a modern finish to any space. Along with providing privacy, they bring an executive style and a high-end look to public toilets.



DESCRIPTION

Fully integrated access system that offers door control from the exterior and interior of the cubicle using hand proximity sensors. The sensor and LED indicator mechanism on the exterior of the system resembles a standard door lock. On the interior of the door, the sensor and LED indicator mechanism appear as a regular circular handle. The system runs using 15 volt electrical power using a transformer from the main power source for up to 4 cubicles together. Panels are pre-wired during manufacturing, no wiring is required during the installation.

- Floor-to-ceiling 42mm (1.65") - thick HPL.
- Unique design that supports structural integrity and endurance.
- Seamless partitions for a smooth, clean appearance with minimal seams.
- High-quality hinges in black or anodized satin.
- Anodized satin or black aluminum profiles.
- Full chrome plated brass opening mechanism.
- Available in a variety of colors.

QUICK & EASY INSTALLATION

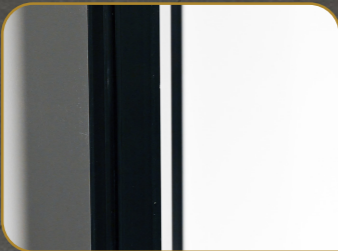
- Maximum precision: A provided spacer beam eliminates measuring errors.
- Panels are pre-wired during manufacturing.
- No special preparation required.
- No connection to the ceiling required.

MAXIMUM STRUCTURAL STABILITY

Although product is floor to ceiling, to give maximum privacy, the construction doesn't require any connections to the ceiling, meaning that the ceiling doesn't have to be reinforced.

# Technical Specifications

- A unique design that ensures structural integrity and endurance.
- Sensor lights are mounted to the handles.
- Simple and easily accessible components for efficient and smooth maintenance.
- 5 Years warranty



## FLOOR-TO-CEILING CUBICLE

- Up to 3000mm (9' 10") cubicle height
- Up to 1500mm (5') - Internal measurement cubicle depth (1542mm (5' 07") - External measurement)

## DOORS AND DIVIDERS/PARTITIONS

- 42mm (1.65") thick

## DOOR CLEARANCE

- 7.5mm (0.3") from the floor and 7.5mm from the top cover pilasters.

## PILASTERS

- Up to 3M (9' 10")

## FRAME

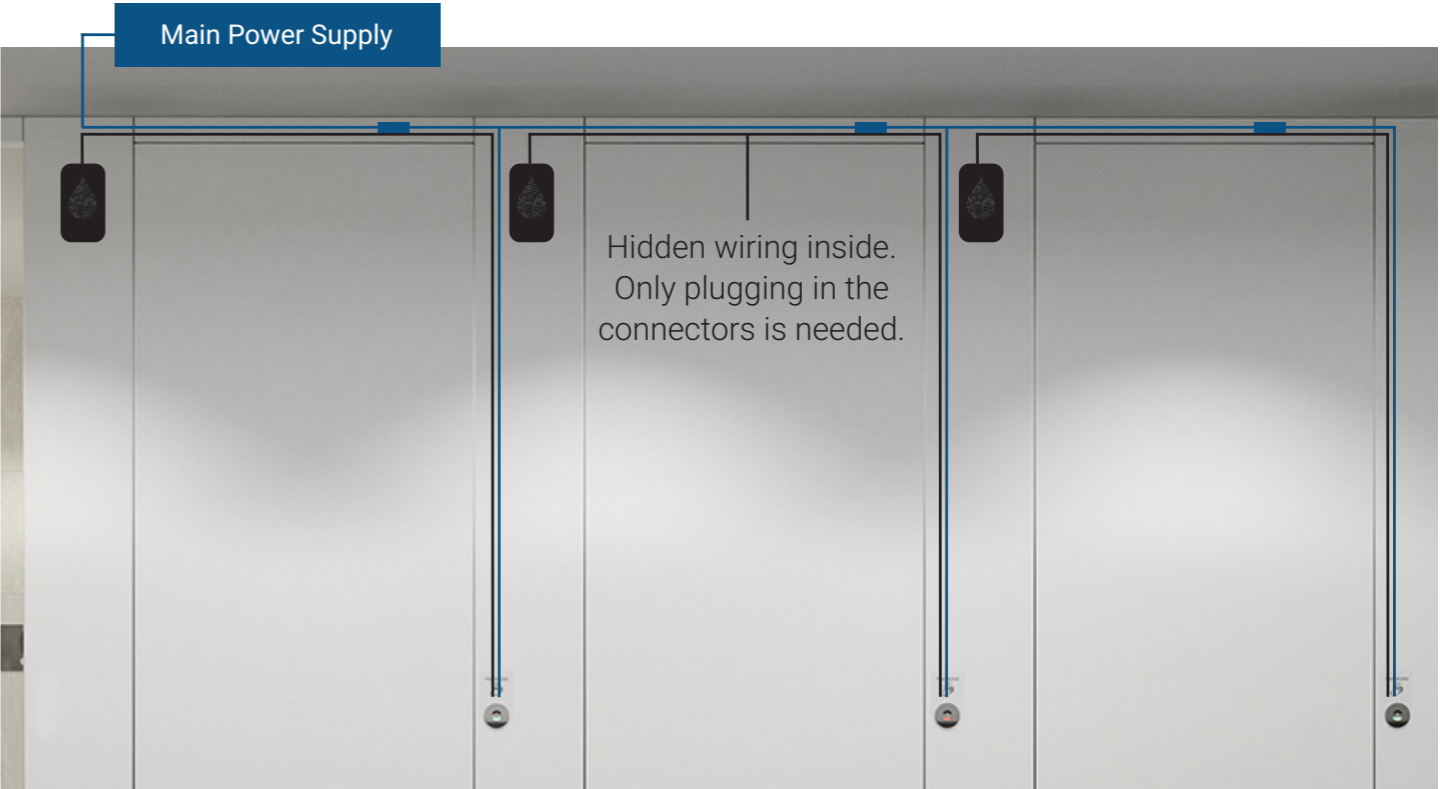
- Anodized aluminum 6063 with 3mm (0.118") HPL on both sides.

## HANDLES

- Chrome plated brass. Other finishes available.

## POWER SOURCE

- 15 volt transformer can power up to four cubicles from a single transformer.
- All wiring is done during the manufacturing process.
- No additional wiring is required during the installation process.



This drawing is for illustration purposes only. Internal view.

## STERN'S SIGNATURE HPL COLORS



Snow White



Ivory White



Oak



Gray



Graphite



Black

\* Custom finishes available upon request

# Key Features

## TOUCHLESS OPERATION

The energy-saving LED sensor on the outside of the cubicle shows a green light. Intuitively, the user's hand is simply presented in front of a LED to open the door and enter the stall. The external LED switches from green to red when the stall door is locked presenting the hand to the sensor from the inside. The door will not open from the outside while the LED is red. To unlock and open the door, the user needs to present their hand to the sensor inside the stall.



## MANUAL OPERATION IN CASE OF POWER FAILURE

Exclusive to Stern touchless patented cubicles: If the user prefers or the electricity is gone, the door can be opened or closed and locked manually, just like a regular toilet cubicle!

This means, that during a power failure, the door will not be “out of order” and will not unlock automatically, creating potentially embarrassing situations.

The door will remain locked and the user inside will open the door manually by turning the inside handle and opening the door, like in a manual system.

When there is no user inside the cubicle, the door is unlocked upon power failure. If someone wants to enter, just push the door to enter and close the door from the inside, locking it like a manual system.



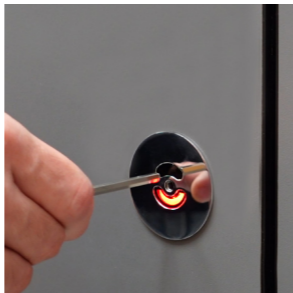
## SERVICE MODE FOR CLEANING

To hold the door open for 2 minutes to clean a cubicle, the cleaning staff can place both hands over the front and back of the door sensor to activate the service mode. During this 2-minute period, the sensors remain inactive, allowing the door to stay open without any interference.



## IN CASE OF AN EMERGENCY

Locked cubicle doors can be manually opened from outside using a special key or a coin if the emergency coin release accessory installed.



## OPTIONAL COIN-RELEASE ACCESORY

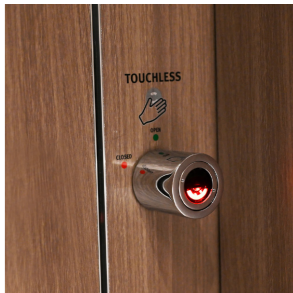
Locked cubicle doors can be manually opened with a coin if the emergency coin release accessory was installed.



## OPTIONAL SAFETY-UNLOCK

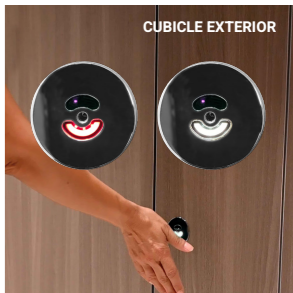
If the cubicle remains locked for twenty minutes, the indicator light on the lock flashes for thirty seconds before the door automatically opens.

The occupant inside the cubicle has the option to extend the lock duration by presenting their hand.



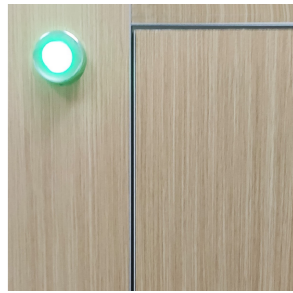
## WHITE/RED SENSOR

Optional white vacant indicator/red engaged indicator for users with color vision deficiency (CVD)



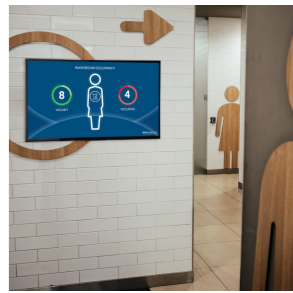
## OPTIONAL TOI – TOP OCCUPANCY INDICATOR

Smart LED occupancy indicators seamlessly integrated into the handle and lock and also at the top of the cubicle, offering an intuitive and efficient experience for users. A great high-traffic washroom solution, Top Occupancy Indicators (TOI) ensure clear visibility of availability from a distance, promoting hygiene, social distancing, and smart design.



## OPTIONAL VACANTVIEW WASHROOM DISPLAY

Stern's VacantView Washroom Display, a Best of BDNY Product Winner, enhances hygiene and reduces crowding by instantly showing cubicle availability, minimizing wait times and congestion. Perfect for high-traffic environments like airports and malls, it ensures better traffic flow, improved visitor experience, and a cleaner, safer washroom.



# TOI - Top Occupancy Indicator



For high-traffic washrooms, Top Occupancy Indicators (TOI) provide clear visibility of cubicle availability from a distance, ensuring seamless traffic flow and enhancing hygiene and social distancing.

Paired with Vacant**View**, this solution offers guests an intuitive way to check cubicle occupancy quickly and efficiently.

Together, they create a modern, user-friendly experience that promotes better crowd management and elevates customer satisfaction.



## WINNING COMBINATION



Vacant**View** • TOI • Touchless Cubicles

# VacantView Washroom Display



Stern's Vacant**View** Washroom Display is designed to improve hygiene and reduce cross-contamination by minimizing crowding in public washrooms.

This innovative display allows users to instantly check cubicle availability, reducing wait times and preventing large groups from gathering in one area.

Ideal for high-traffic environments like airports, shopping malls, and other busy public spaces, it enhances visitor convenience and experience while promoting better traffic flow and maintaining a cleaner, safer environment.

Available Vacant**View** Display Screen options for Male, Female, and Female&Male combination restroom.



# Restricted Access Cubicle

Stern's Restricted Access Cubicle with Keypad – the ultimate solution for secure and efficient cleaning operations, while continuing the matching design concept throughout the project.

With an intuitive keypad access system, for janitorial, cleaning crews, and teams that require secured - access areas, that can allow for easy access to enter and exit the cubicle.

The durable, high-quality design provides a professional look, blending seamlessly into any environment.



## HOW IT WORKS:

When the door is locked and unoccupied, the sensor displays a white or green LED, indicating that someone can access it.

To enter the cubicle, a user must input the correct code on the access keypad.

If the code is valid, the indicator light at the top-right corner of the keypad turns green, and the door unlocks.

If an incorrect code is entered, the indicator light at the top-right corner of the keypad shows a red light, and the door remains closed.

While a person is inside the cubicle and presents their his hand to the inner sensor , the sensor LED displays red. During this time it is impossible to enter, even with the correct code.

Exiting the cubicle is touchless. The person simply presents their hand in front of the inner sensor again, and the door opens automatically without physical contact.

After the person leaves, the door self-closes and displays either white or green, indicating it is accessible again.

Customizable Entry Code: Authorized personnel on-site can select and change the entry code as needed.



## IDEAL APPLICATIONS:

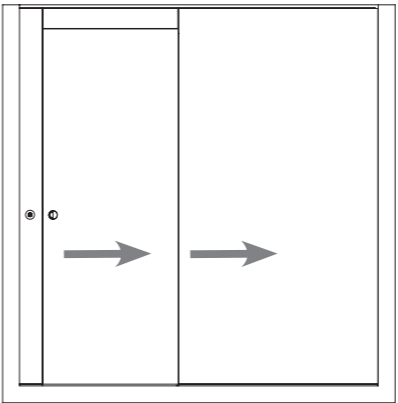
- Janitorial Staff Cubicles: Provides secture access for situations such as janitorial, facilities management, and cleaning personnel.
- Sensitive Areas in Organizations: Enhance security by controlling access to restricted spaces.
- Private or Members-Only Toilets: Manage toilet access, cleanliness, and availability.
- Restaurants and Facilities: Restrict toilet access for better maintenance and control.
- Keypad material: Aluminum 6061 T651
- Finishes available: BLACK / AISI316

By implementing this system, organizations can effectively manage entry while maintaining security and hygiene.

# ADA Accessible Automatic Cubicle



Stern's Patented ADA Accessible Automatic Cubicle combines intelligent, touch-free door technology to deliver a hygienic, inclusive, and design-forward solution for modern public restrooms. Engineered for maximum privacy and comfort, it's ideal for high-traffic environments seeking a total touchless experience.





CUBICLE EXTERIOR

Sensor and LED indicators are mounted on the exterior of the door, resembling standard door locks.



Green vacant indicator / Red engaged indicator



Optional White vacant indicator / Red engaged indicator

CUBICLE INTERIOR

The sensor and LED indicator mechanism appears on the inside of the door as a standard circular handle.



\* Optional white vacant indicator/red occupied indicator for users with color vision deficiency (CVD)

Stern's Differential Advantages

UNIQUE FUNCTIONAL BENEFITS

- Alternative manual operation.
- Cleaning mode.

UNIQUE DESIGN & QUALITY BENEFITS:

- Cubicle installation featuring a seamless floor-to-ceiling design.
- 42mm (1.65") thickness doors with HPL 3mm (0.118") layers at both sides.
- Suitable for wet rooms.

UNIQUE INSTALLATION BENEFITS:

- Extremely easy installation. No ceiling reinforcement is needed saving cost and extra work.
- Maximum precision. A provided spacer beam eliminates measuring errors.
- Our pre-wired internal electricity requires installers only to connect the connectors.
- Compact motor conveniently positioned to facilitate installation and access.



Floor-to-ceiling 42mm (1.65") thickness doors

Inside view

Have you selected your preferred HPL color yet?  
There are still several parameters left to customize your cubicles:

Aluminum

Natural Anodized	Matte Black
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Opening Door Type

Inwards	Outwards
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Lock LED Colors

Green/Red	White/Red
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Access

Touchless (non restricted)	Restricted With Access Code	Manual
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Power

Individual Transformer	Transformer for Up to 4 cubicles together
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Top Occupancy Indicator

Lock LED	Lock and Top LED
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Strong



Water Resistant



Impact Resistant



Damp Resistant



Heat Resistant



Cigarette Burn Resistant



Easy to clean



Fire Resistant



# Manually Redefine Floor-to-Ceiling Design



Stern's Floor-to-Ceiling Cubicles set a new standard in modern washroom design, blending high-end aesthetics with effortless manual operation to create a superior, reliable user experience.

Crafted to offer maximum privacy and a sleek, contemporary look, Stern's Floor-to-Ceiling Manual Cubicles redefine what's possible in commercial washroom design. The top-to-bottom installation ensures total discretion while enhancing the visual appeal of any space.

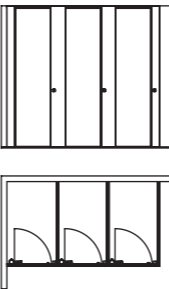
Take your project to the next level with a perfect balance of style and functionality.

Stern's Floor-to-Ceiling Manual Partitions bring modern design and refined privacy to the forefront, ensuring a premium washroom experience.



\* Standard model; additional designs available.

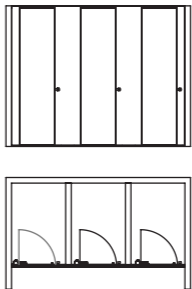
# Cubicle Door Configurations



OPTION 1:  
STANDARD CUBICLE ASSEMBLY

Cubicles set against one existing wall ending with an HPL Terminating wall with HPL partitions and a functioning automatic door mechanism.

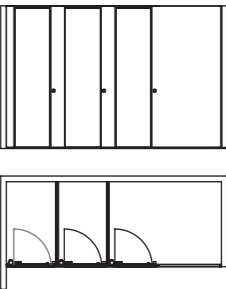
- Components:
1. Door assembly
  2. Pilaster with lock mechanism
  3. Pilaster with automatic/manual door closer
  4. HPL Partition
  5. Terminating wall



OPTION 2:  
CUBICLE DOOR ASSEMBLY

An HPL door positioned between two solid walls, typically found in restroom settings where each toilet is partitioned by built walls.

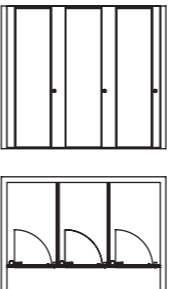
- Components:
1. Door assembly
  2. Pilaster with lock mechanism
  3. Pilaster with automatic/manual door closer



OPTION 3:  
INLINE TOILET CUBICLE

Inline toilet cubicles set against a side wall with the side cubicle partition running on the same axis as the toilet cubicle door (when closed).

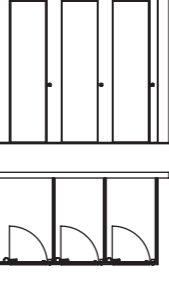
- Components:
1. Door assembly
  2. Pilaster with the lock mechanism
  3. Pilaster with an automatic door closer
  4. Partition
  5. HPL front wall



OPTION 4:  
BETWEEN WALLS

Cubicles configured between two existing walls and a back wall, with the first cubicle positioned against the first wall and concluding with a solid wall termination.

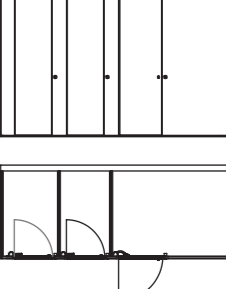
- Components:
1. Door assembly
  2. Pilaster with lock mechanism
  3. Pilaster with Automatic/Manual door closer
  4. HPL Partition



OPTION 5:  
ISLAND TOILET CUBICLES

Cubicles set against a back wall, featuring two terminating HPL walls.

- Components:
1. Door assembly
  2. Pilaster with lock mechanism
  3. Pilaster with automatic external door closer
  4. Partition
  5. Two terminating walls



OPTION 6:  
ACCESSIBLE CUBICLE

Reinforcements for grab bar installation (applicable to door and pilasters) can be integrated into any cubicle type. Adjacent cubicles and walls in the illustration are for reference only.

- Components:
1. Door assembly meeting relevant standards
  2. Pilaster with lock mechanism
  3. Pilaster with external door closer (automatic/manual)

## Specifications for Automatic STC Cubicles:

- Dimensions:
- Cubicles Height: Up to 3000mm (9' 10")
  - Cubicles Depth: Up to 1500mm (5') - Internal measurement (1542mm (5' 07") - External measurement)
  - STC Partition Thickness: 42mm (1.65")

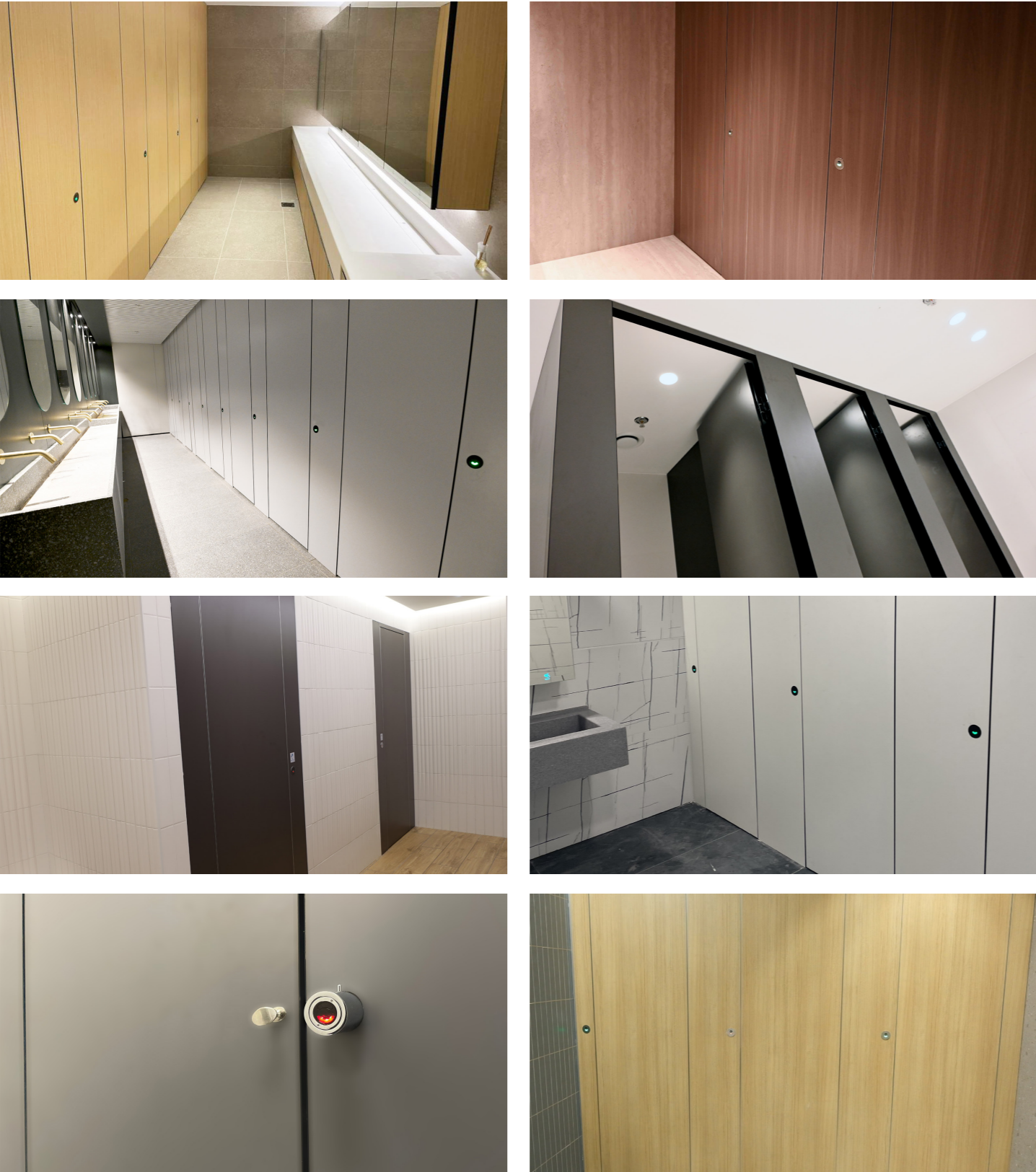
## STC Cubicles Partition Design:

Water and humidity resistance in a wide selection of colors and textures.  
Frame and Fitting: Reinforced Aluminum 6063 with an anodized coating  
Finishing: High-Pressure Laminate (HPL)  
For personalized design and custom dimensions, please contact us for a consultation:

## Our cubicles come with various accessories

- to enhance functionality and user experience, including:
- Coat hooks and hangers
  - Toilet roll holders
  - Hand towel dispensers
  - Waste bins
  - Hand rails, grab bars, and more.

References



Our products and brands have been tried, tested and trusted by global companies worldwide.





## **STERN ENGINEERING LTD.**

777 Passaic Avenue  
Clifton NJ, 07012  
Tel: +1.973.773.8011

86 Lackawanna Ave, Suite 315  
Woodland Park, NJ 07424

[info@sternfaucets.com](mailto:info@sternfaucets.com)  
[www.sternfaucets.us](http://www.sternfaucets.us)  
[www.sternfaucets.com](http://www.sternfaucets.com)  
[www.sternfaucets.es](http://www.sternfaucets.es)  
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