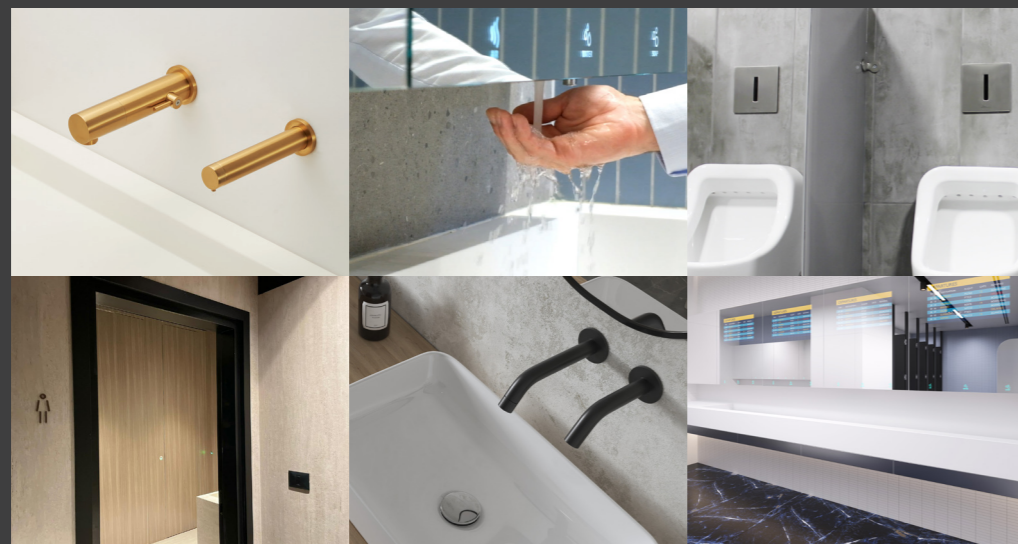# STERN

TOUCHLESS WC CUBICLES
WITH OCCUPANCY INDICATOR

Stern's Executive Touchless WC Cubicles

Since 1989, Stern - A pioneer in touchless sanitary products for public toilets has been producing touchless faucets, soap dispensers, flush valves, and hand dryers. But what about the contact required to open the door of the WC cubicles?

Ensure optimal surface hygiene and minimize the risk of cross-contamination, using Stern's touchless bathroom cubicles.

6-7

- 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

INDEX

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.

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.

HYGIENIC

High-Pressure Laminate exhibits high resistance to stains and possesses antibacterial properties, making it perfect for commercial restrooms. It promotes good hygiene and helps control the spread of disease-causing pathogens.

EASY MAINTENANCE

HPL is naturally resistant to water, steam, chemicals, and cigarette damage, making it suitable for wet environments. When it comes to maintenance, HPL is hassle-free. Its stain-resistant surface can be effortlessly cleaned with water or mild household cleaning solutions.

- 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 (4' 11") - 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

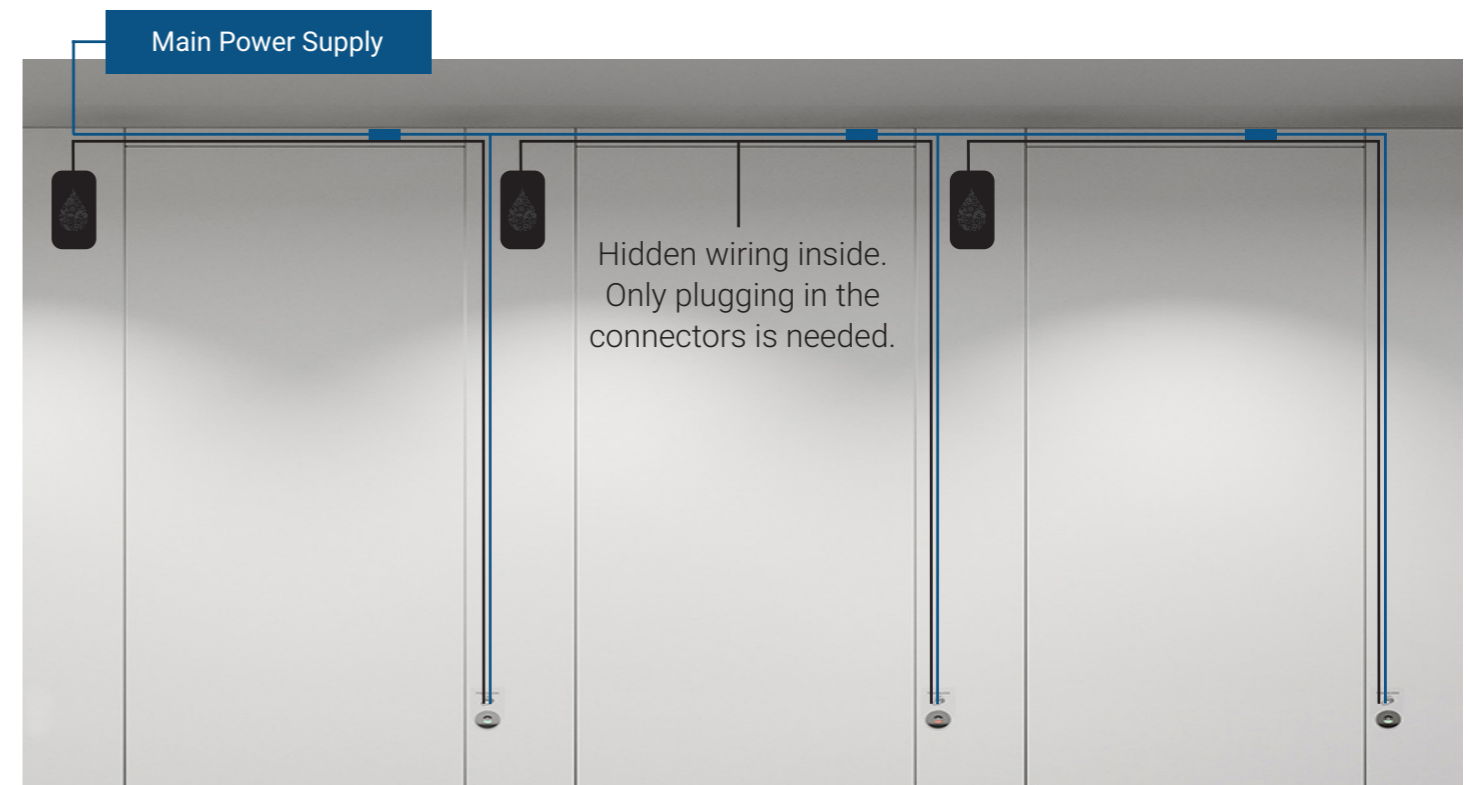### PILASTERS
- Up to 3M (9' 10")

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.

Main Power Supply

Hidden wiring inside. Only plugging in the connectors is needed.

This drawing is for illustration purposes only. Internal view.

STERN'S SIGNATURE HPL COLORS

Snow White	Ivory White	Oak	Gray	Graphite	Black

Other finishes are available upon request.

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.
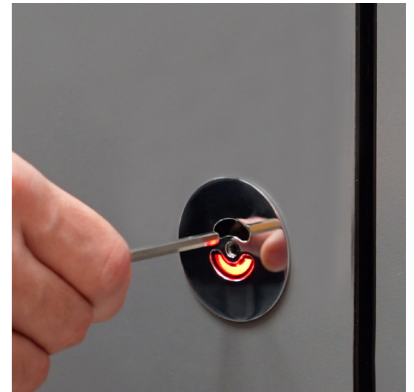
TOUCHLESS OPERATION

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.

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 accesory installed.

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.
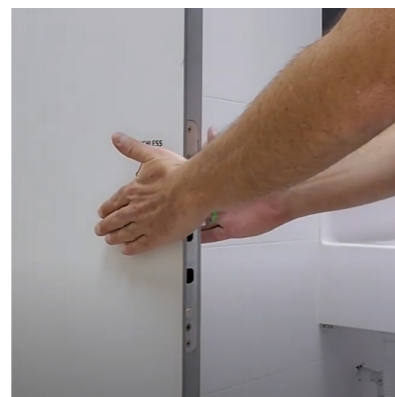

OPTIONAL COIN-RELEASE ACCESORY

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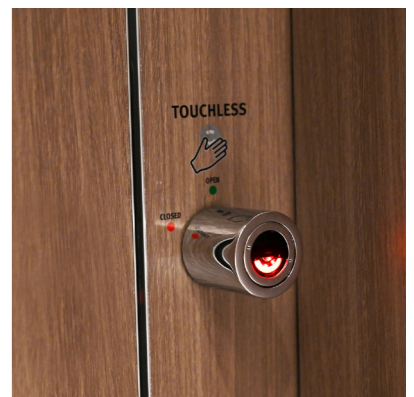

SERVICE MODE FOR CLEANING

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.

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.
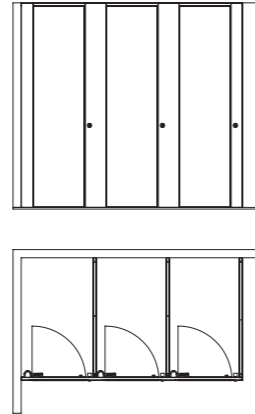
OPTION 1: STANDARD CUBICLE ASSEMBLY

- Cubicles set against one existing wall ending with an HPL Terminating wall with HPL partitions and a functioning automatic door mechanism.
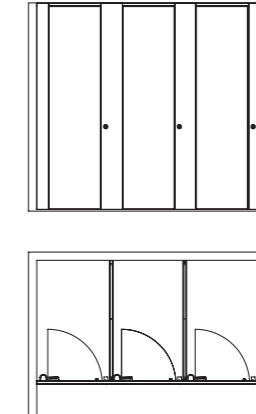
- Components:
  1. Door assembly
  2. Pilaster with lock mechanism
  3. Pilaster with automatic/manual door closer
  4. HPL Partition
  5. Terminating wall

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).

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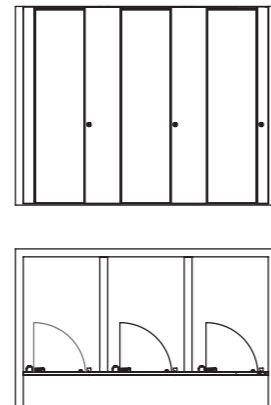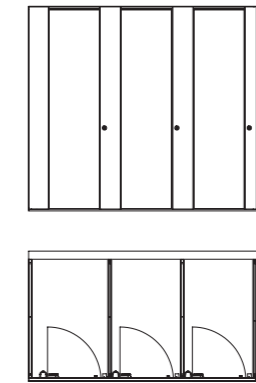
- Components:
  1. Door assembly
  2. Pilaster with lock mechanism
  3. Pilaster with Automatic/Manual door closer
  4. HPL Partition

OPTION 5: ISLAND TOILET CUBICLES

- Cubicles set against a back wall, featuring two terminating HPL walls.
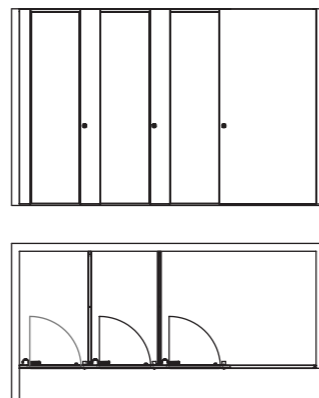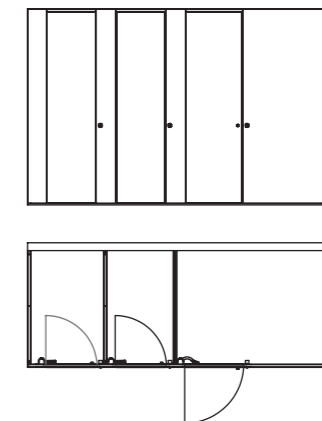
- Components:
  1. Door assembly
  2. Pilaster with lock mechanism
  3. Pilaster with automatic external door closer
  4. Partition
  5. Two terminating walls

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 (4' 11") - Internal measurement
  (1542mm (5' 07") - External measurement)
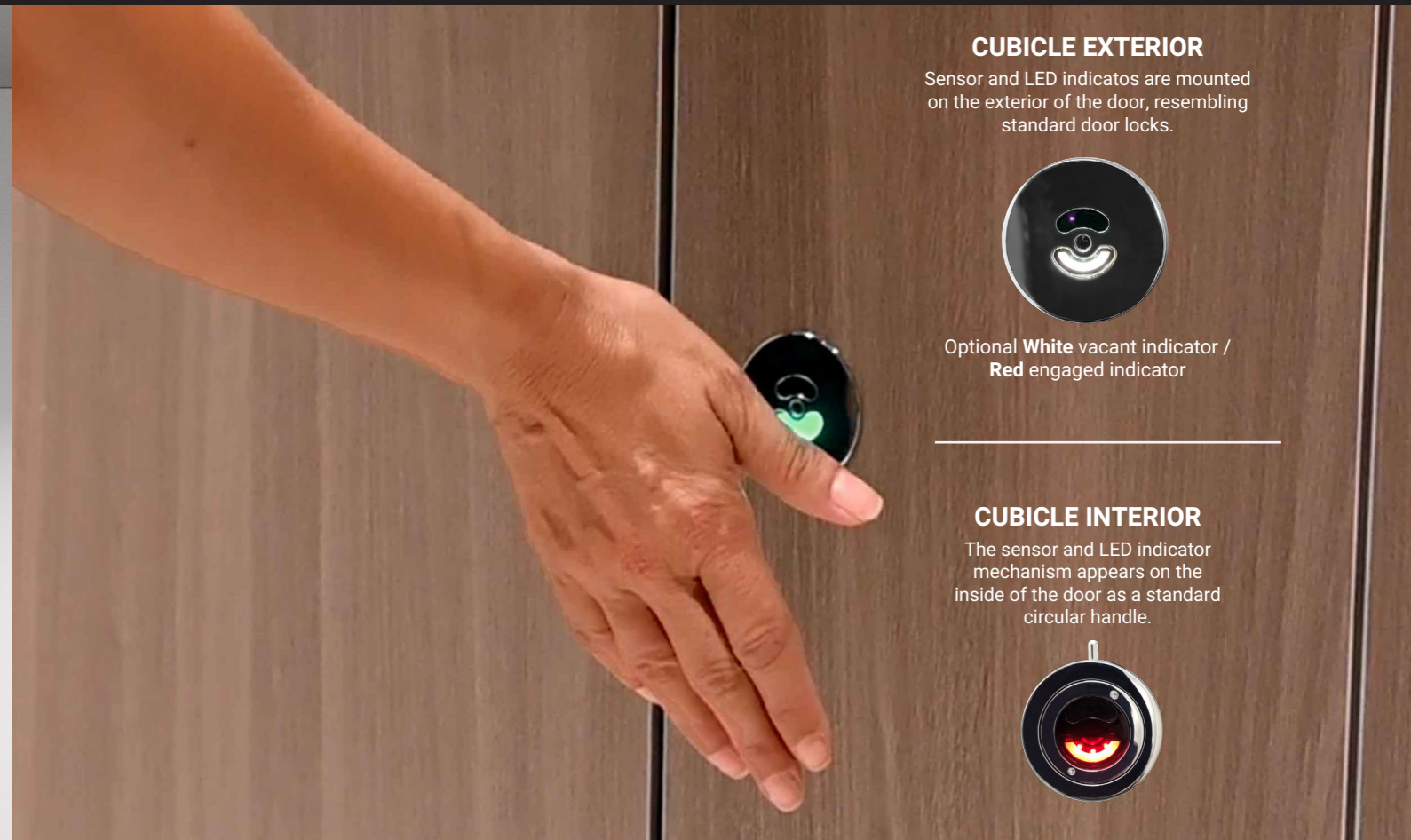- STC Partition Thickness: 42mm (1.65")

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
- Handrails and grab bars, etc.

CUBICLE EXTERIOR

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

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.
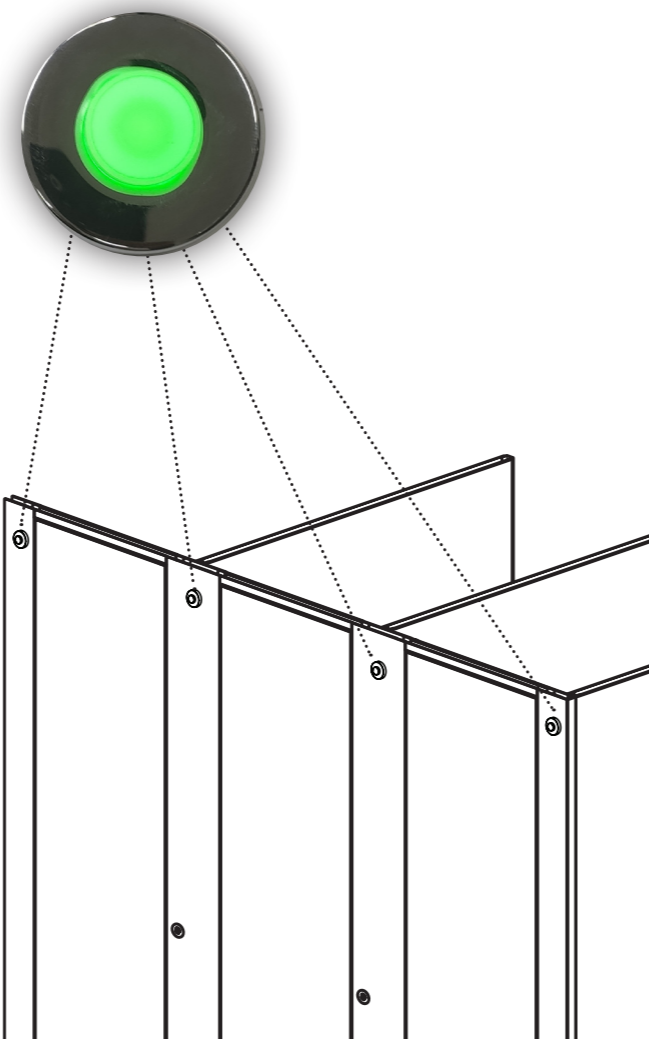
TOI – Top Occupancy Indicator

At Stern touchless cubicles, the LED occupancy indicators are integrated into the handle and lock. This placement intuitively aligns with where the public naturally looks.

For very extensive washroom installations, Stern has developed an optional Top Occupancy indicator for maximum visibility.

These LED indicators are easily visible from a distance, allowing people to quickly determine occupancy status without needing to approach the door closely which promotes social distancing.

Have you selected your preferred HPL color yet?

There are still several parameters left to customize your cubicles:

Aluminum

Natural Anodized	Matte Black

Opening Door Type

Inwards	Outwards

Lock LED Colors

Green/Red	White/Red

Top Occupancy Indicator

Lock LED	Lock and Top LED

Access

Touchless (non restricted)	Restricted with access code

Power

Individual transformer	Transformer for up to 4 cubicles together

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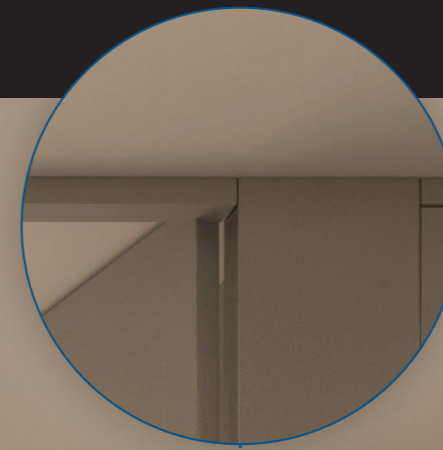
UNIQUE FUNCTIONAL BENEFITS

- Alternative manual operation.
- Cleaning mode.
- Optional Top Occupancy Indicator.

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.

Inside view

Restricted Access Cubicles

The Restricted Access Cubicles with an electronic keypad, provides an effective way to manage access control. These access control systems require the users to enter a unique code to unlock and open the door.

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; 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: Ensure secure access for 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.
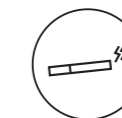
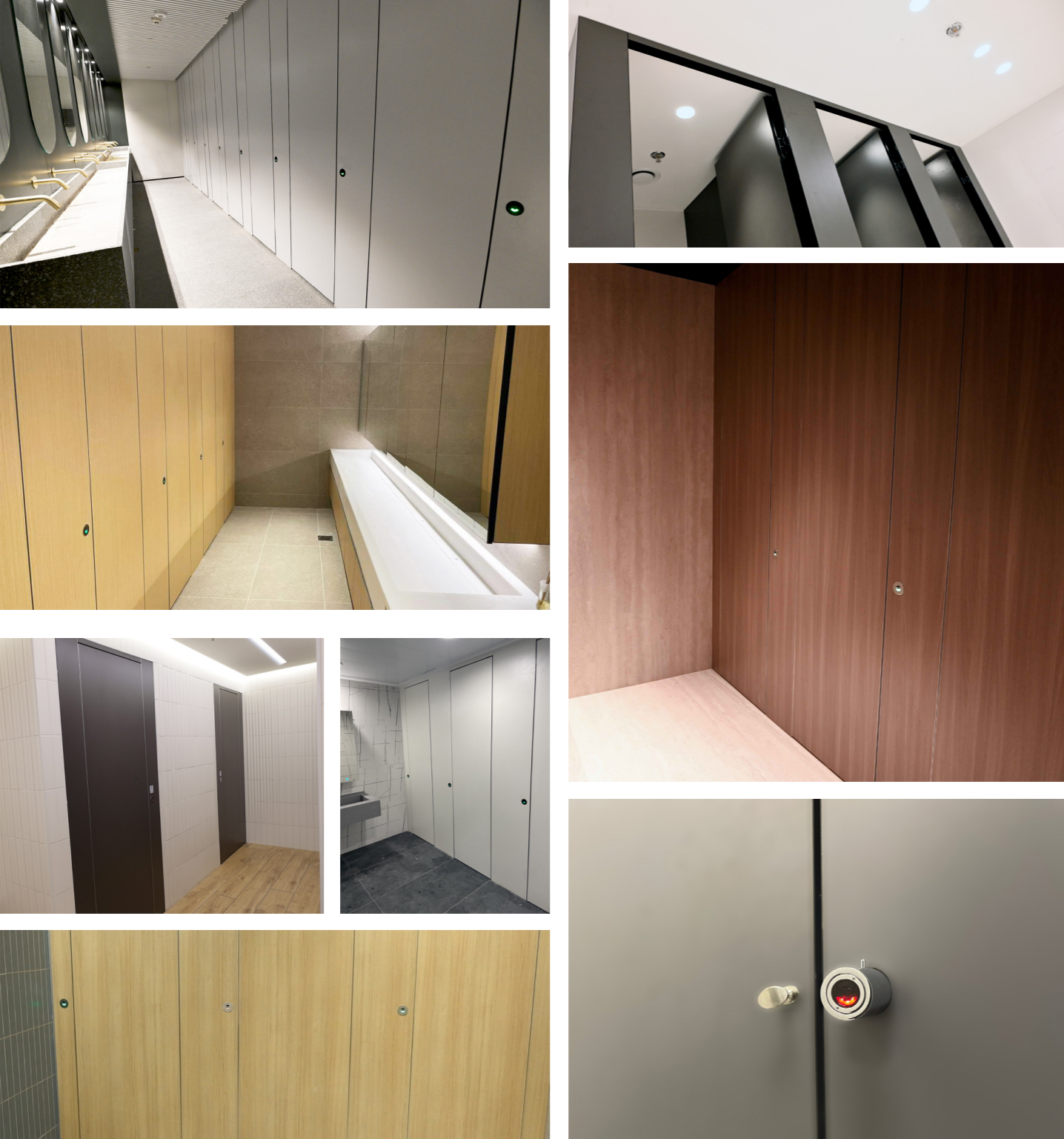| Strong | Water Resistant | Impact Resistant | Damp Resistant | Heat Resistant | Cigarette Burn Resistant | Easy to clean | Fire Resistant |

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

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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
www.sternfaucets.us
www.sternfaucets.com
www.sternfaucets.es