

BEScube System

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TITAN^{ceiling} SS-13.05.001

Besco™
MANAGING SPACE



TITAN^{ceiling}

This stylish 'free-floor' concept cubicle design attracts the attention of its users by its light-weighted appearance that does not compromise to its performance. The weight of the cubicles is transferred to the ceiling supported by the box up fixture. With the absence of supporting legs, maintenance of the toilet is remarkably easy.

TITAN^{ceiling} Accessories + Specifications + Drawings

Stainless Steel + Stainless Steel (grade 304)



General

BESCO™ supply and install TITAN^{ceiling} Restroom Cubicle System, which is highly resistant against water, chemical and impact.

Materials

All accessories and hardware/fittings shall be made of stainless steel grade 304. The doors and pilasters shall be 19mm while the intermediate partitions shall be 12mm thick High Pressure Laminates (HPL) compact board (or phenolic board) with chamfered edges.

HPL compact boards are manufactured from sheets of special kraft and decor papers, impregnated with thermosetting synthetic resins, fused together under heat and high pressure. HPL compact board has laminates on both sides with either matt finish or textured finish. The performance of the board is tested according to BS EN Standards and has the following rating:

- | | |
|---------------------------|--------------------------------|
| ► Boiling Water (EN438-7) | : 8.4 (Within max. 11.5) |
| ► Fire Rating (EN476-6/7) | : Class 1 (meet min. 1) |
| ► Impact (EN438-11) | : 2.8 Newton (exceed min. 2.0) |
| ► Stain (EN438-15) | : 5 (exceed min. 4) |
| ► Scratch (EN438-2) | : 4 Newton (exceed min. 2.0) |

It is a natural occurrence under various climatic conditions that HPL compact boards may undergo dimensional changes of tolerance differences within ±5mm.

HPL compact boards used in our systems are certified by Singapore Environment Council with Singapore Green Label.

Doors

All doors shall be of single colour, 19mm thick HPL compact board with chamfered edge. Each will be supported by 3 Stainless Steel Hinges (4 Stainless Steel Hinges for Door width ≥ 750mm) affixed to the pilaster, completed with Stainless Steel Coat Hook and Stainless Steel Door Knob. Doors will be routed at its vertical ends and incorporated with Rubber Sponge to dampen noise.

Pilasters

All pilasters shall be of same colour as doors, 19mm thick HPL compact board with chamfered edge and completed with Stainless Steel Thumbturn for locking doors. Colours different from doors are available upon request. The pilaster affixed to the Mild Steel Rectangular Plate, 250mm x 75mm x 6mm (cross-section dimension, L x W x Thk) and then welded to the top rail. The assembled parts will then be beautifully concealed by the Stainless Steel Box Up construction. Pilasters will be routed at its vertical ends to facilitate closure of doors. The visible height from finished-floor level (FFL) to false ceiling is 2400mm, included a floor clearance of 150mm. BESCO™ recommends standard pilaster width to be 300mm and end pilaster width to be 150mm for maximum stability.

Top Rail

Mild Steel Rectangular Hollow Channel, 100mm x 50mm x 4.5mm (cross-section dimension, L x W x Thk) shall be anchored to the wall as the support structure (hidden above false ceiling). It shall rest onto the Aluminium 'L' Angle Supporting Bracket, 300mm x 50mm x 50mm x 6mm (cross-section dimension, L x W1 x W2 x Thk) at the walls for stability.

Accessories

Each restroom cubicle will be equipped with the following accessories:

- BESCO™ Stainless Steel Door Knob of either Ø50mm, Ø42mm or Ø30mm with anti-slip groove.
- BESCO™ Stainless Steel Thumbturn with occupancy indicator.
- BESCO™ Stainless Steel Coat Hook with rubber stopper comes with/without cover and allow load up to 25kg.
- BESCO™ Stainless Steel Hinges with cover, adjustable from fully close to open at interval of 15°.
- BESCO™ Stainless Steel Box Up with height 100mm and brushed finish.

Intermediate Partitions

All intermediate partitions shall be of same colour as door, 12mm thick HPL compact board with Stainless Steel U-channel, 21.5mm x 14.5mm x 1mm (cross-section dimension, L x W x Thk), affixed at its ends (to the wall and pilaster). For ultimate stability of the system, BESCO™ recommends that the length shall not exceed 1800mm.

Compartment's Dimension

The recommended restroom cubicle size is 800 - 900mm by 1500 - 1800mm by 2400mm (W x D x H):

- Visible height of restroom compartment measured from FFL to false ceiling is 2400mm (inclusive floor clearance of 150mm).
- Door size shall be between 600mm - 700mm in width.
- Door size shall be between 900mm - 1000mm in width for ambulant restroom.

Finishes

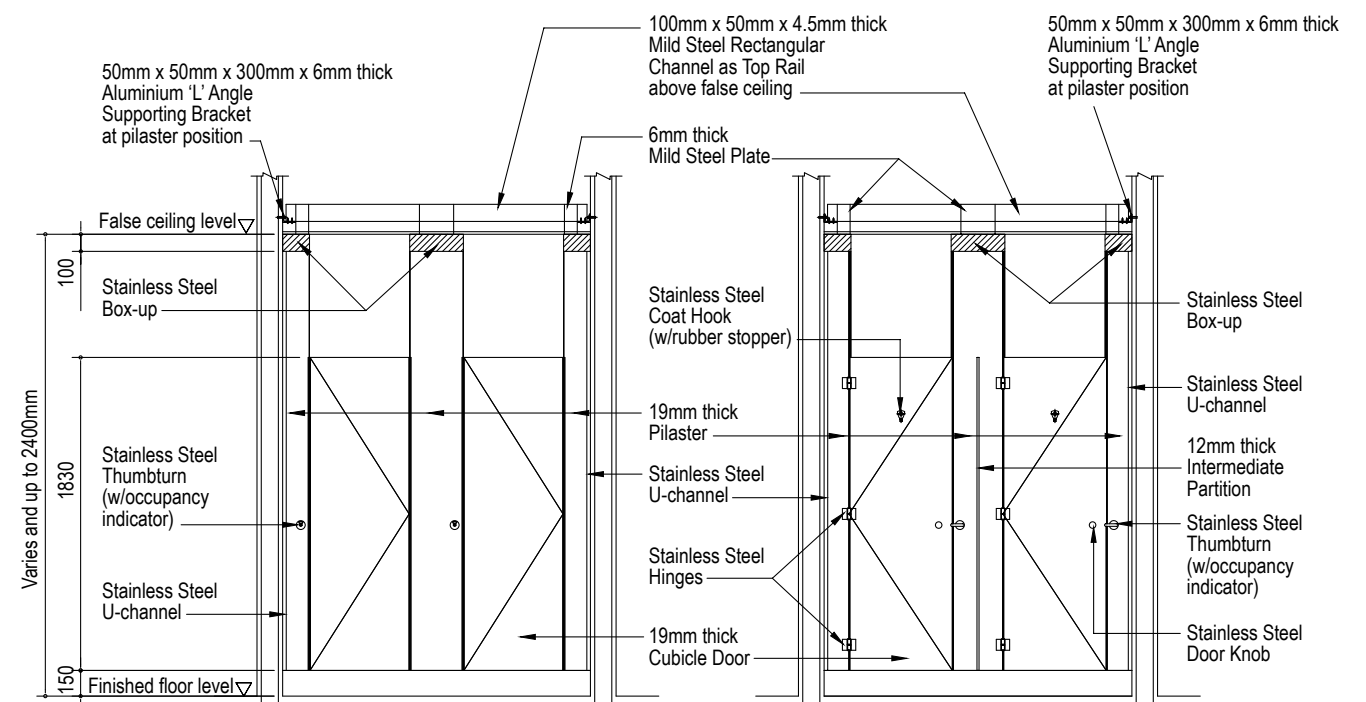
HPL compact boards are available in a variety of brilliant colours, woodgrains and tactile patterns. For surface finishes, you have the choices of matt or glossy. New 'MicroDot' tactile finish is available upon request.

Installation

Installation will be executed under the supervision of BESCO™'s site supervisor(s) and shall be carried out in accordance with BESCO™ installation instructions.

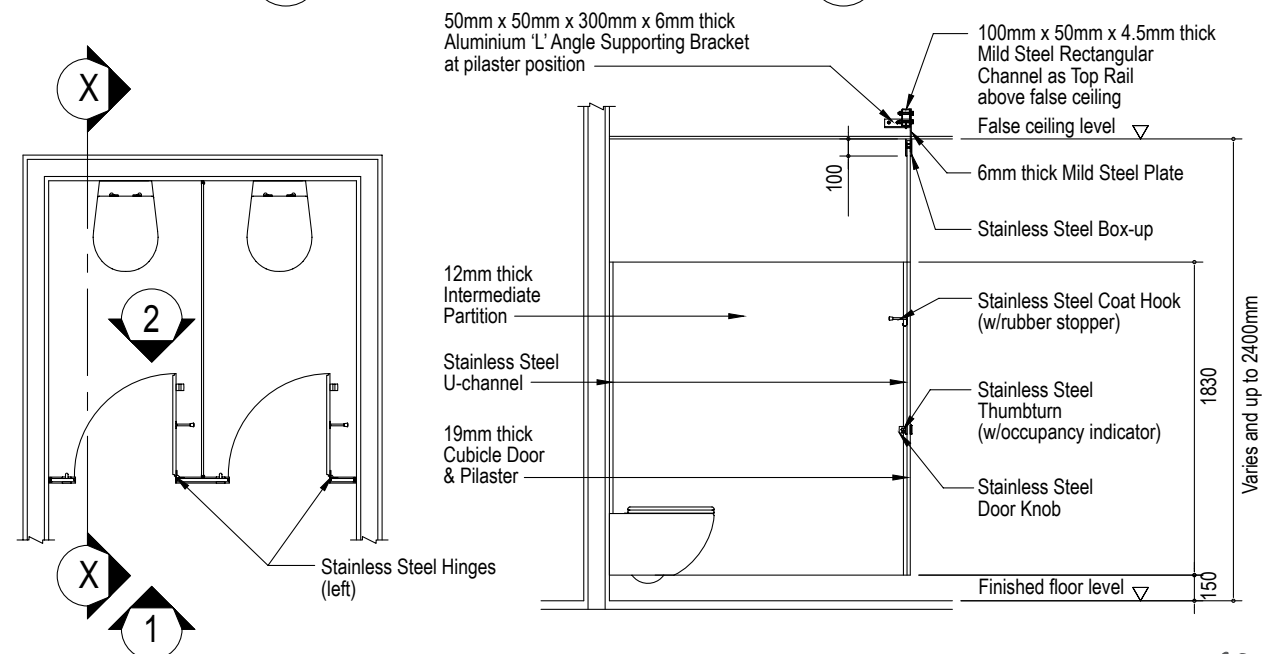
Part Numbers

01. SS Door Knob (dia-50mm, pair)
02. SS Door Knob with recess (dia-42mm)
03. SS Door Knob (dia-30mm, pair)
04. SS Coat Hook (w/cover)
05. SS Tri Base Coat Hook
06. SS Thumbturn (w/occupancy indicator)
07. SS Lock Set (w/occupancy indicator)
- 08a. SS Hinge (w/cover - Left)
- 08b. SS Hinge (w/cover - Right)
- 08b. SS Ambulant Hinge
09. SS Box Up
- 09a. SS Side Cover
- 09b. SS Front Cover (1200mm)
- 10a. SS U-channel (2200mm)
- 10b. Black Rubber Sponge (1860mm)
- 11a. Steel Rectangular Plate
- 11b. Mild Steel Rectangular Channel (6000mm)
12. Alu L-Angle (4880mm)



Elevation 1

Elevation 2



Layout Plan of Restroom Cubicle

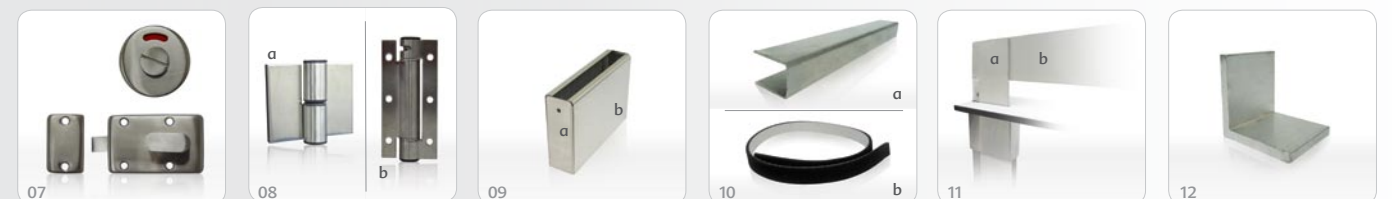
Section X-X



- Available in 19mm or 20mm system.
- SS Hinges - gravity is available upon request.

- SS accessories in grade 304.
- Top rail fixing details are hidden above false ceiling.

* Please check with your local distributors for more information.



Formica® Compact® Grade Laminates are certified by Singapore Environment Council with Singapore Green Label.

CEILING HUNG