



BEScube System

Besco Building Supplies (SEA) Pte Ltd
26 Ubi Road 4 The Besco Building Singapore 408613
t (65) 6286 0666 f (65) 6741 3430
sales@besco.sg www.besco.sg

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ATHENA^{neo} SS+Alu.13.05.001

ATHENA^{neo}



Design progress along with time and ATHENA^{neo} marks the new beginning on the evolution of all 'free-floor' systems. Reducing the amount of materials usage, ATHENA^{neo} appears to be lighter than its predecessors, a slimmer and cleaner outlook is achieved whereby second glances on ATHENA^{neo} are known to be a norm.

ATHENA^{neo} Accessories + Specifications + Drawings

Stainless Steel + Aluminium

General

BESCO[™] supply and install* ATHENA^{neo} Restroom Cubicle System, which is highly resistant against water, chemical and impact.

Materials

All accessories shall be made of stainless steel grade 304 and all hardware/ fittings shall be made of powder-coated aluminium grade 6063-T5. Anodised aluminium option is available upon request. The doors, pilasters and 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, 12mm 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, 12mm thick HPL compact board with chamfered edge, completed with Stainless Steel Thumbturn for locking doors. Colours different from doors are available upon request. The pilaster is slotted and affixed to the Top Rail and secure from the front of the Top Rail. The floor clearance is 150mm. 5mm thick glass panel can be cladded onto the pilaster upon request.

Intermediate Partitions

All intermediate partitions shall be of same colour as door, 12mm thick HPL compact board with Aluminium U-channel, 25 x 16.5mm x 1.8mm (cross-section dimension, L x W x Thk), affixed at its ends (to the wall and pilaster). To improve stability of the system, BESCO[™] recommends that length exceeding 1700mm to be fitted with an extra Pedestal or increase thickness to 19mm HPL compact board.

Top Rail

Heavy-duty Aluminium M-section Top Rail Channel, approx. 85mm x 129mm x 7mm (cross-section dimension including covers, W x H x Thk), shall be anchored to the wall with Mild Steel Wall Bracket. Pilaster shall be section fixed onto the bottom slot of the Top Rail for maximum strength, stability and alignment of the system. External covers will be capped to conceal fixing details.

Accessories

Each restroom cubicle will be equipped with the following accessories:

- BESCO[™] Stainless Steel Door Knob of either Ø 50mm, Ø 42mm or Ø 30mm with anti-slip groove.
- BESCO[™] Stainless Steel Thumbturn with occupancy indicator.
- BESCO[™] Stainless Steel Coat Hook with rubber stopper allow loads up to 25 kg.
- BESCO[™] Stainless Steel Hinges with cover, adjustable from fully close to open at interval of 15°.

Compartment's Dimension

The recommended restroom cubicle size:

- 800 - 900 mm by 1500 - 1800 mm by 2105 mm (W x D x H).
- Visible height of restroom compartment measured from FFL to top of the Top Rail is 2109 mm (inclusive floor clearance of 150 mm).
 - Door size shall be between 600 mm - 700 mm in width.
 - Door size shall be between 900 mm - 1000 mm in width for ambulant restroom.

Finishes

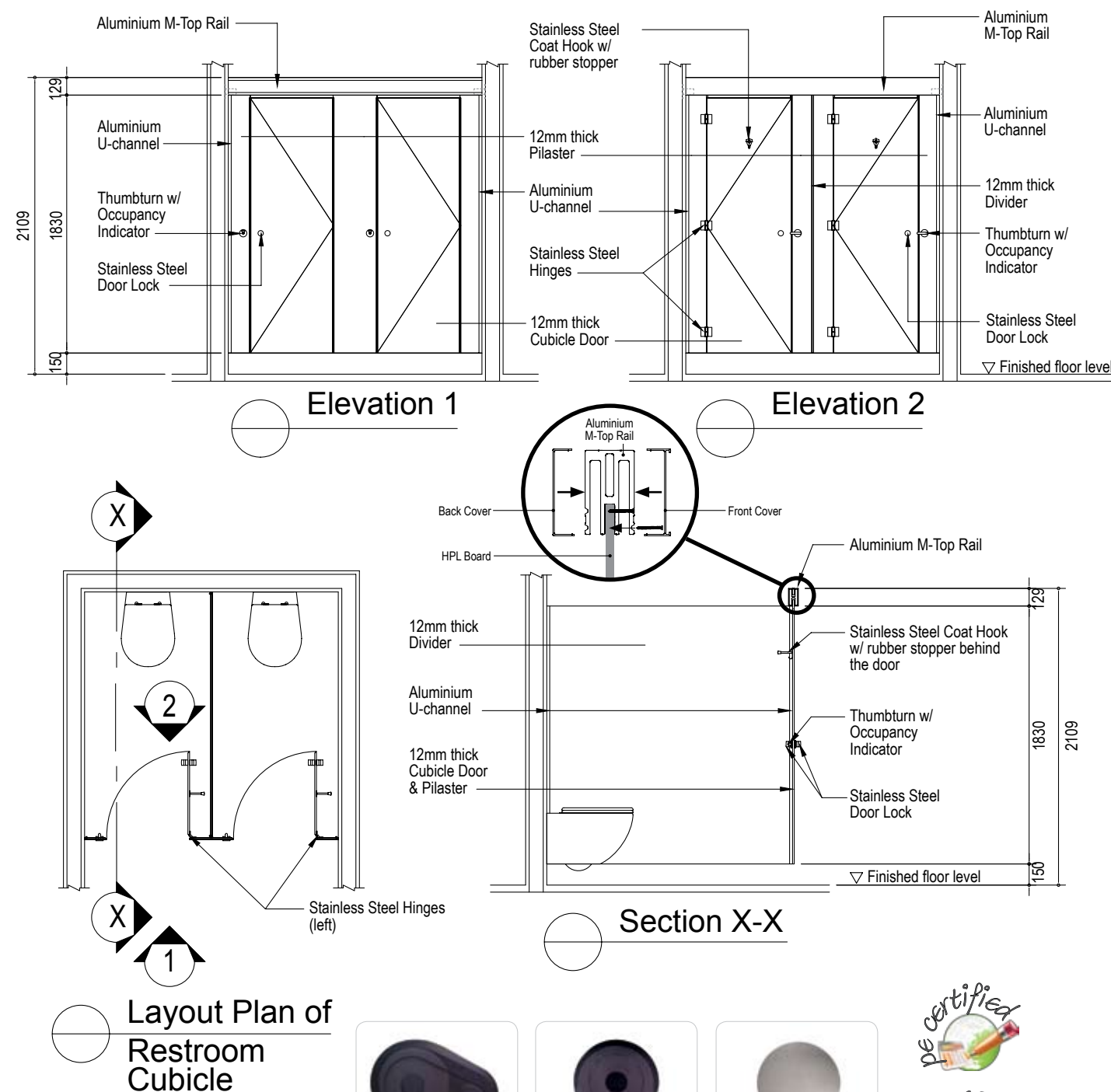
HPL compact boards are available in a variety of brilliant colours, woodgrains and tactile patterns. For surface finishes, you have the choices of matt or glossy. New 'MicroDot' tactile finish is available upon request.

Installation

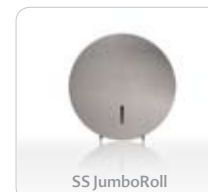
Installation will be executed under the supervision of BESCO[™]'s site supervisor(s) and shall be carried out in accordance with BESCO[™] installation instructions.

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 Hinges (w/cover - Left)
- 08b. SS Hinges (w/cover - Right)
- 08b. SS Ambulant Hinge
09. Alu M Top Rail with covers (5500mm)
10. Wall Bracket, M Top Rail
11. Alu U-channel (3660mm)
12. Black Rubber Sponge (1860mm)



Optional:
Jumbo Roll Holders



► Aluminium is available in white /grey powder coat or black / natural anodized finishing. Other colours available upon request.

* Please check with your local distributors for more information.

► SS accessories in grade 304.
► SS Hinges - normal is available upon request.



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

WALL MOUNT