

BEScube System

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ZMS/NY+Alu.12.05.001

Besco™
MANAGING SPACE

ZMS

Understanding that there is a need for the restroom cubicle system with the ability to tolerate heavy usage and deterioration, the ZMS is created. This restroom cubicle system functions under harsh conditions and remain as magnificent as ever. Integrating both nylon and aluminium materials in the construction, the aesthetics of the restroom are brought to a new level.

ZMS Accessories + Specifications + Drawings

Nylon + Aluminium

General

BESCO™ supply and install ZMS Restroom Cubicle System, which is highly resistant against water, chemical and impact.

Materials

All accessories shall be made of polyamide grade 6 (nylon) and all hardware/fittings shall be made of anodised aluminium grade 6063-T5. Powder-coated 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 Nylon Hinges (4 Nylon Hinges for Door width ≥ 750mm) affixed to the pilaster, completed with Nylon Coat Hook and Nylon Door Knob.

Pilasters

All pilasters shall be of same colour as doors, 12mm thick HPL compact board with Aluminium Door Stopper profile (incorporated with Rubber Lining to dampen noise) affixed on one vertical side and completed with Nylon Thumbturn for locking doors. Colours different from doors are available upon request. The pilaster shall be anchored to the floor using Nylon Adjustable Leg (base Ø72mm) with threaded rod inserts for stability. The floor clearance is 150mm. BESCO™ recommends standard pilaster width to be 300mm and end pilaster width to be 150mm for maximum stability.

Intermediate Partitions

All intermediate partitions shall be of same colour as door, 12mm thick HPL compact board with Aluminium U-channel, 25mm 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 Top Rail Channel, 77mm x 35mm x 1mm (cross-section dimension, W x H x Thk), shall be section fixed onto the top of the pilaster for maximum strength, stability and alignment of the system.

Accessories

Each restroom cubicle will be equipped with the following accessories:

- BESCO™ Nylon Door Knob of Ø50mm.
- BESCO™ Nylon Thumbturn with occupancy indicator.
- BESCO™ Nylon Coat Hook with/without rubber stopper allow loads up to 20 kg/15 kg respectively.
- BESCO™ Nylon Hinges with 3 choices of standard, gravity-to-open or gravity-to-close.
- BESCO™ Nylon Adjustable Leg with a working range from 145mm to 170mm.

Compartment's Dimension

The recommended restroom cubicle size:

800 - 900 mm by 1500 - 1800 mm by 2003 mm (W x D x H).

- Visible height of restroom compartment measured from top of the Top Rail is 2003 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

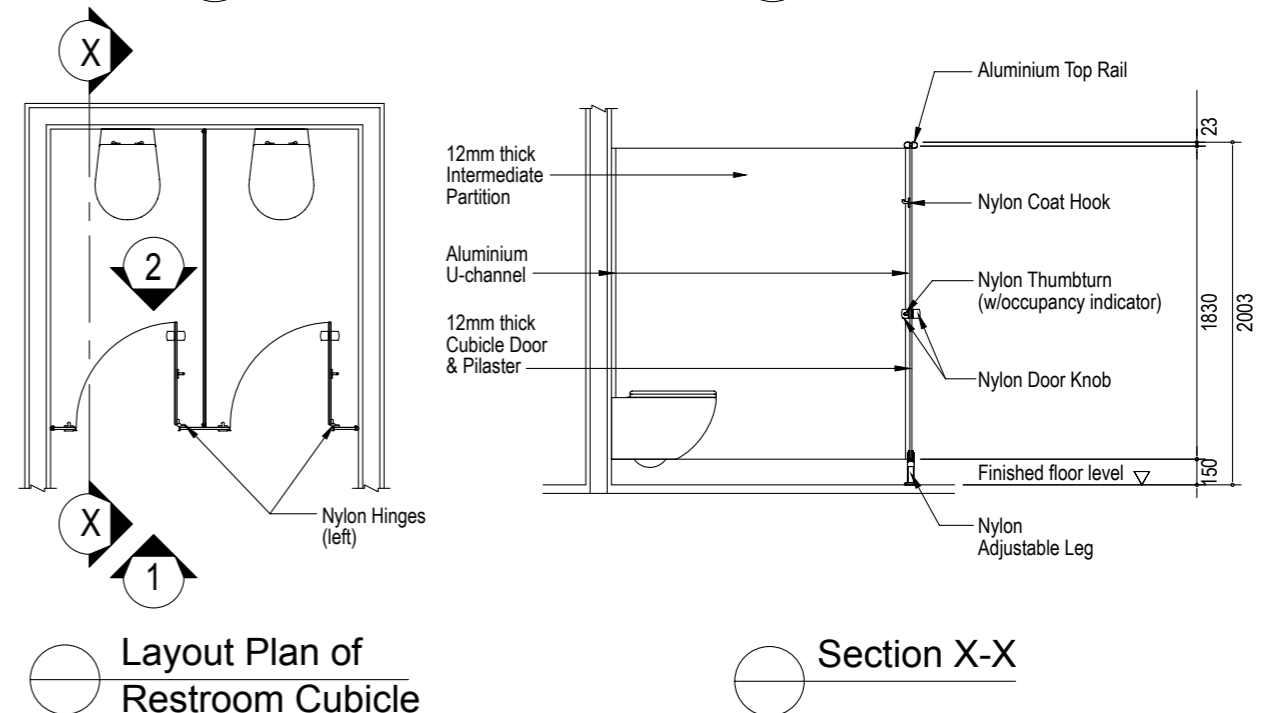
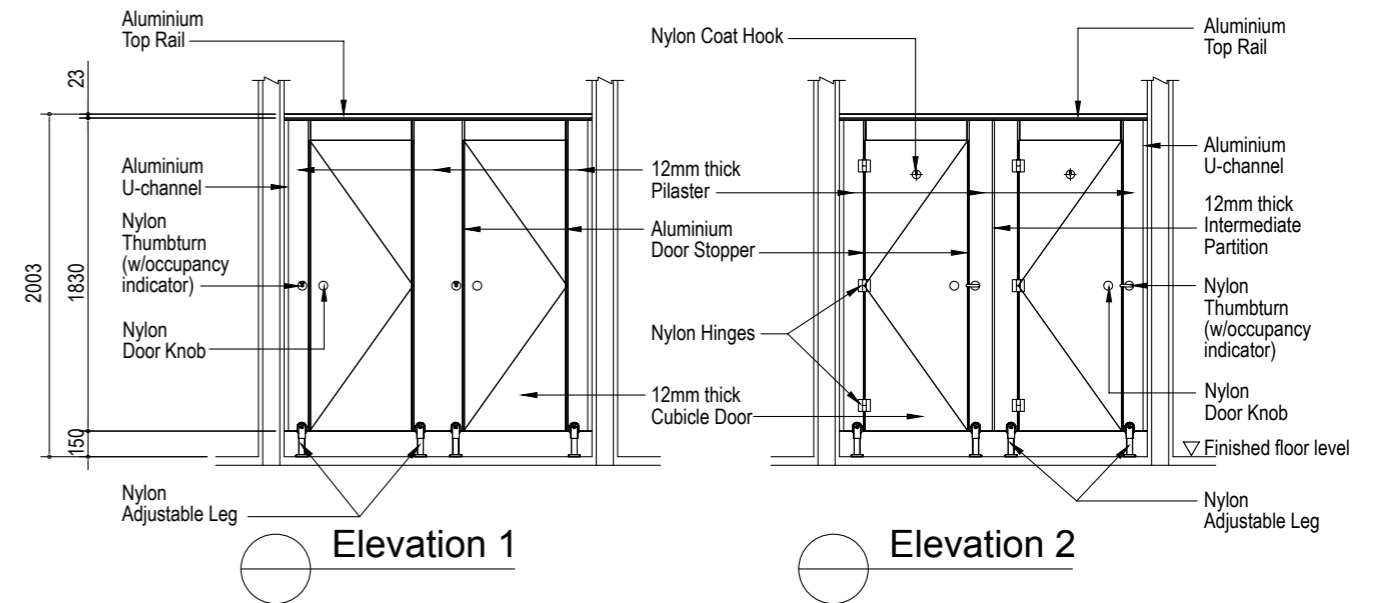
HPL compact boards are available in a variety of brilliant colours, woodgrains and tactile patterns. For surface finishes, you have the choices of matt or glossy. New 'MicroDot' tactile finish is available upon request.

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. | Nylon Door Knob (dia-50mm, pair) |
| 02. | Nylon Thumbturn (w/occupancy indicator) |
| 03. | Nylon Coat Hook |
| 04. | Nylon Coat Hook (w/rubber stopper) |
| 05. | Nylon Hinge (Standard - Left)
Nylon Hinge (Standard - Right)
Nylon Hinge (Gravity-to-open - Left)
Nylon Hinge (Gravity-to-open - Right)
Nylon Hinge (Gravity-to-close - Left)
Nylon Hinge (Gravity-to-close - Right) |
| 06. | Nylon Adjustable Leg |
| 07. | Nylon Top Rail End Capping |
| 08. | Alu Top Rail (5650mm) |
| 09. | Alu U-channel (3660mm) |
| 10. | Alu Corner Channel (3660mm) |
| 11a. | Alu Door Stopper (3660mm) |
| 11b. | Door Stopper Rubber Lining (1830mm) |



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.

► Nylon is available in standard white, grey or black colours.
► Nylon Hinges - normal is available upon request.

