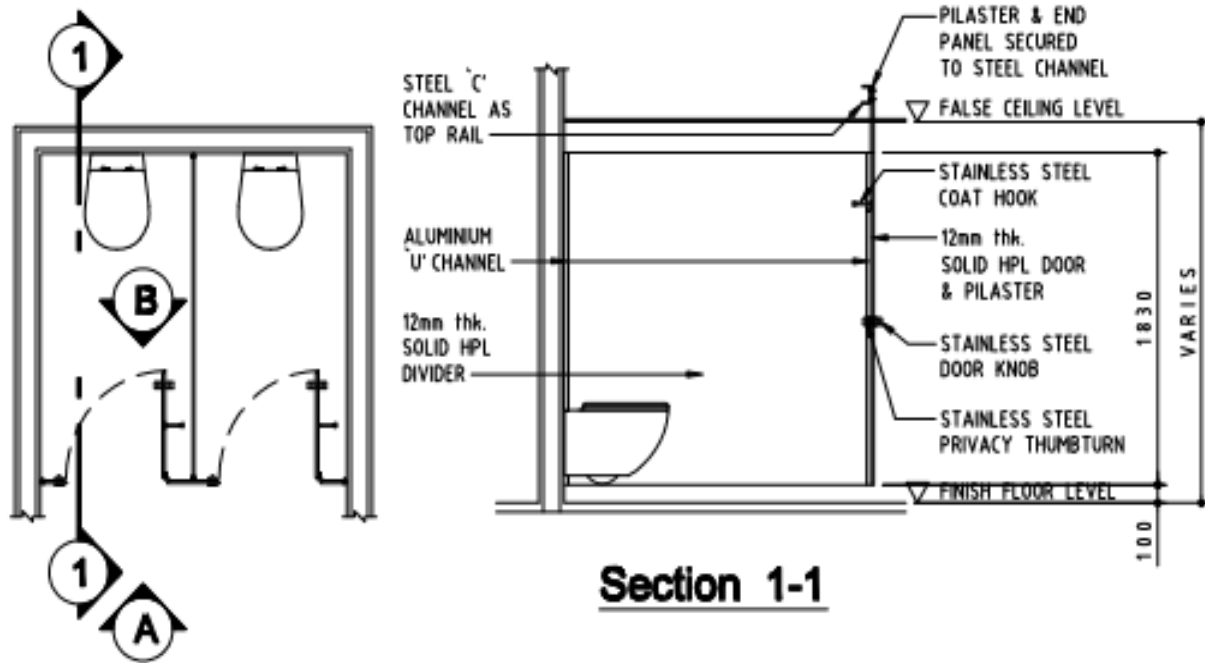
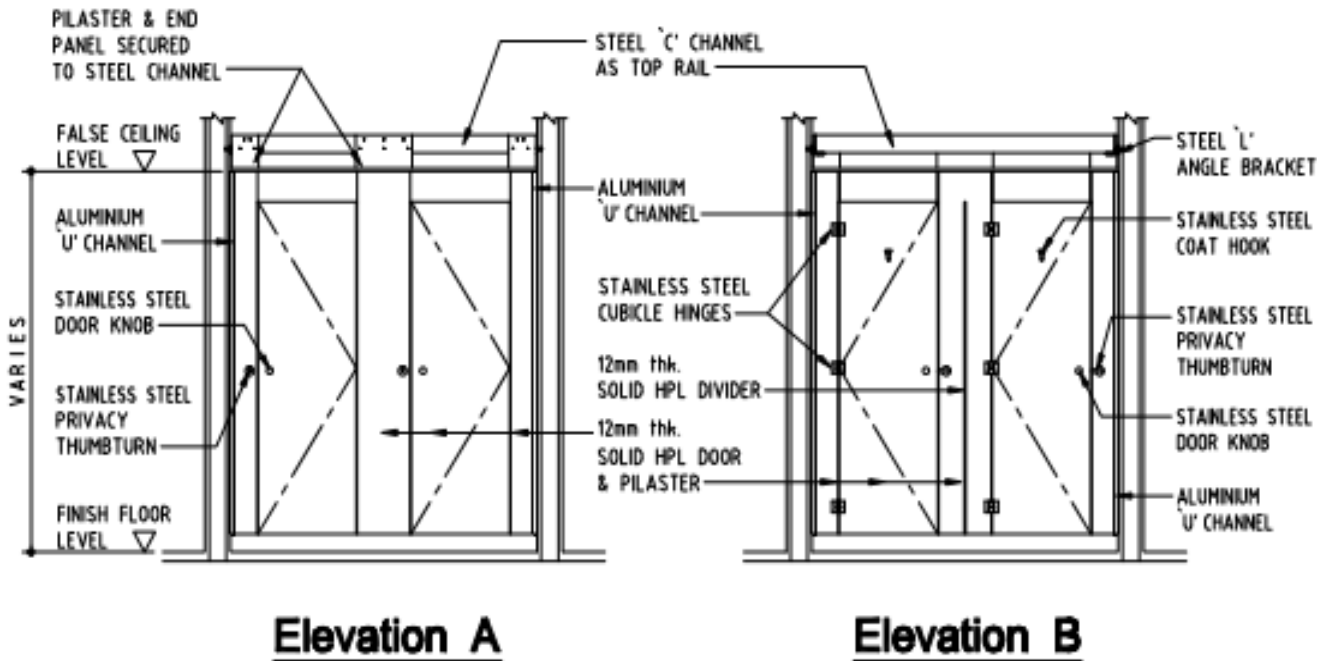




*Air signs are masters  
at navigating through  
the collective waters.*

*Libra is cardinal,  
the leader.*

*Libra is wild and  
relentless about justice  
and has an equally  
passionate need for  
beauty.*



General Specifications

The Toilet Partition System shall be **ATOZ Libra 'Ceiling Hung' Type**. The Ceiling Hung design is designed to allow the cubicles to be installed without any support legs. All cubicles shall be fitted with 304 Grade Hairline Finished Stainless Steel standard accessories. The partitions shall be using 100% water resistant and chemical resistant compact laminate impregnated with melamine resins pressed over Kraft paper impregnated with phenolic resins.

Recommended Thickness of Partitions

All cubicle doors, pilasters & intermediate partitions shall be using 12mm or 19mm thick HPL Compact Board with chamfered edge.

Fabrication

The top rail shall be heavy-duty galvanized steel C-Channel 125mm with a width of 50mm and 6mm thick, secured on 50mm x 50mm x 5mm Aluminium L-Angle Supporting Bracket mounted on the concrete walls. This top rail will be concealed above the false ceiling after the cubicles are fully installed. Stiffening rod will be added to ceiling slab if the row of cubicles are more than 6000mm.

Pilasters shall be mounted onto the C-Channel Toprail with bolts and nuts. Pilasters shall be routed at vertical side to facilitate door closure, and completed with door lockset with occupancy indicator & emergency release.

Doors shall be supported by 3 hinges affixed to the pilaster, one with a built-in adjustable spring for automatic door closing or for holding the door open; with fixed door knob & coat hook with rubber door stopper. Door of standard cubicles shall be in-swinging with clearance width of min. 600mm; Out-swinging doors for ambulant cubicles with clearance width of min. 800mm.

Intermediate partitions shall be fixed with aluminium U-Channel Section affixed at the ends to the wall and pilaster. Recommended depth not exceeding 1800mm for stability.

Finishes

Panels available in standard solid plain colours with smooth finishes on both sides. Woodgrain finished also available.

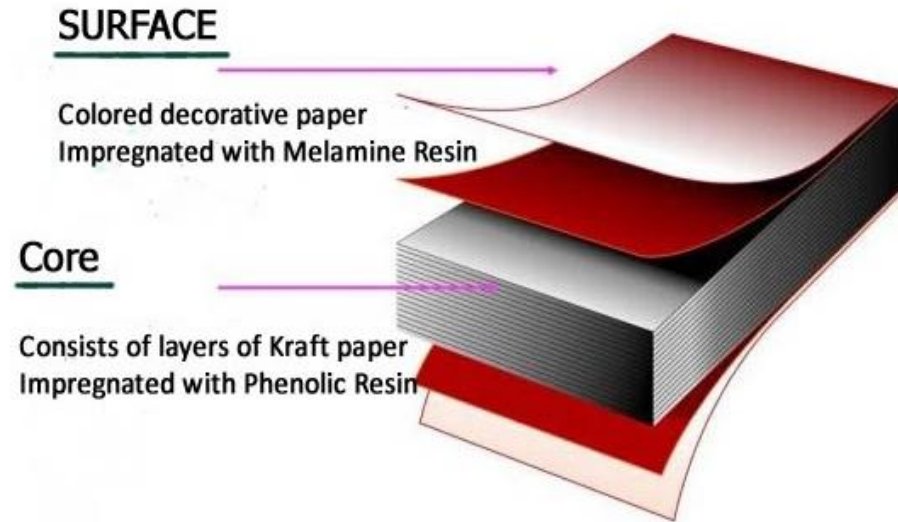
Restroom Cubicle Compartment Dimension

Cubicle Size: 800 – 900mmW Front  
 Divider Panel: 1500 – 1800mmD Intermediate  
 Overall Height: 2400mmH



## TECHNICAL DATA

Physical Properties of Compact® Grade Laminate.



PROPERTY	TEST METHOD EN 438-2:2016	PROPERTY OR ATTRIBUTE	UNIT	MIN. TEST STANDARDS	FORMICA TYPICAL VALUE (CGS)
Resistance to Surface Wear	EN 438-2/10	Wear Resistance	Revolution	350	500
Resistance to Immersion in Boiling Water	EN 438-2/12	Mass Increase	%	<2	0.53
		Thickness Increase	%	<2	0.58
		Appearance: Surface	Rating	4	5
		Edge	Rating	3	5
Resistance to Water Vapour	EN 438-2/14	Appearance	Rating	4	5
Resistance to Dry Heat	EN 438-2/16	Appearance	Rating	4	5
Dimensional Stability at Elevated Temperature	EN 438-2/17	Cumulative Dimensional Change:			
		Dry Heat (Machine Direction)	%	<0.3	0.06
		Dry Heat (Cross-machine Direction)	%	<0.6	0.06
		High Humidity (Machine Direction)	%	<0.6	0.09
		High Humidity (Cross-machine Direction)	%	<0.6	0.06
Resistance to Wet Heat (100°C)	EN 438-2/18	Appearance	Rating	4	5
Resistance to Impact by Large Diameter Ball	EN 438-2/21	Drop Height	mm	1800	2000
Resistance to Crazeing Test	EN 438-2/24	Appearance	Rating	4	5
Resistance to Scratching	EN 438-2/25	Force	Rating	3	3 (2N)
Resistance to Staining	EN 438-2/26	Appearance	Rating	4	5
Light Fastness (Xenon Arc)	EN 438-2/27	Contrast	Rating	4-5	4-5



PROPERTY	TEST METHOD	UNIT	MIN. TEST STANDARDS	FORMICA TYPICAL VALUE (CGS)
Tensile Strength	ISO 527-2:2012	MPa	60	96.57
Flexural Strength	ISO 178:2010	MPa	80	161.14
		MPa	9000	10615
Density	ISO 1183-1:2012	g/cm <sup>3</sup>	1.35	1.44

\* Technical data is accurate at the time of printing. Data is subjected to change without prior notice.  
\* Rating 5 is the best. Rating 1 is the worst.