DEMOUNTABLE
WALL
PANELING
WP01
WP02

DEMOUNTABLE
WALL
PARTITION
WP01P
WP03P

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*Very innovative and green certified, IQUBX modular interior systems can help create offices **ultrafast with minimum human labour and very economic cost.** These systems can be easily modified, making such spaces very adaptable and flexible to cater to changing future requirements. We can provide custom modular solutions for your requirements as well.*

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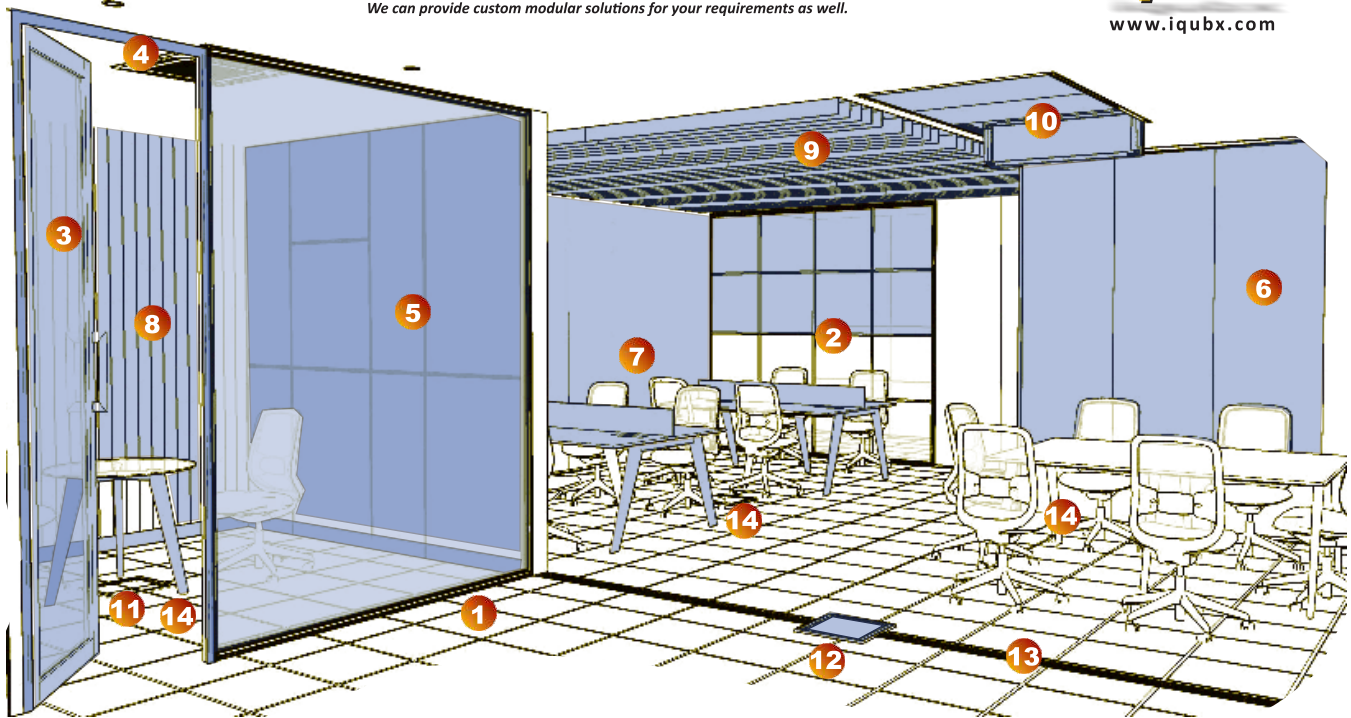
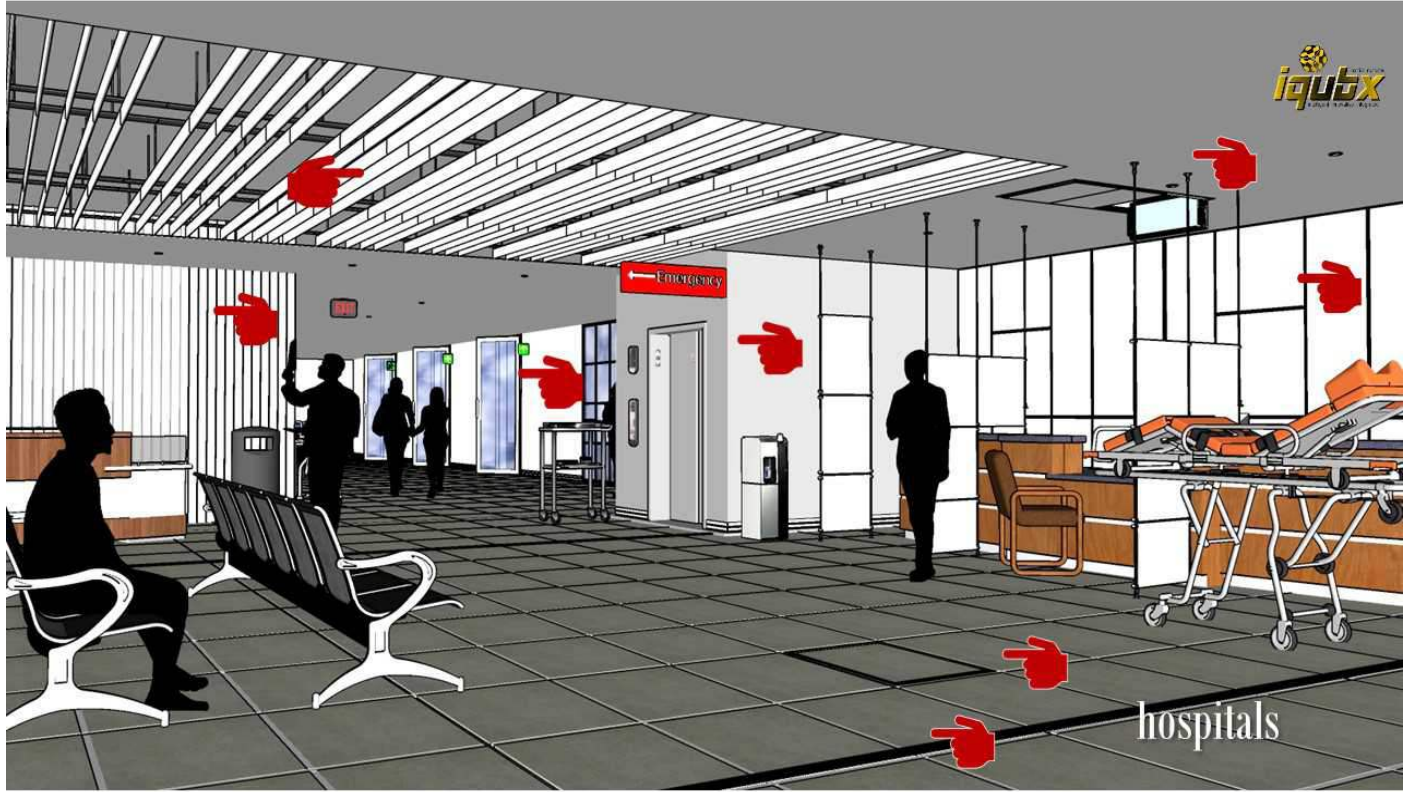## IQUBX for COMMERCIAL OFFICE & CO-WORKING SPACES

1 Glass partition **2** Grid glass partition **3** Glass stile door **4** Modular Door frame **5** Demountable wall partition **6** Dry wall stone / tile / paint partition
7 Wall paneling **8** Aluminium wall paneling **9** Baffle ceiling **10** Ceiling trap door **11** Floor junction box **12** Floor box **13** Raceway **14** Modular table leg system

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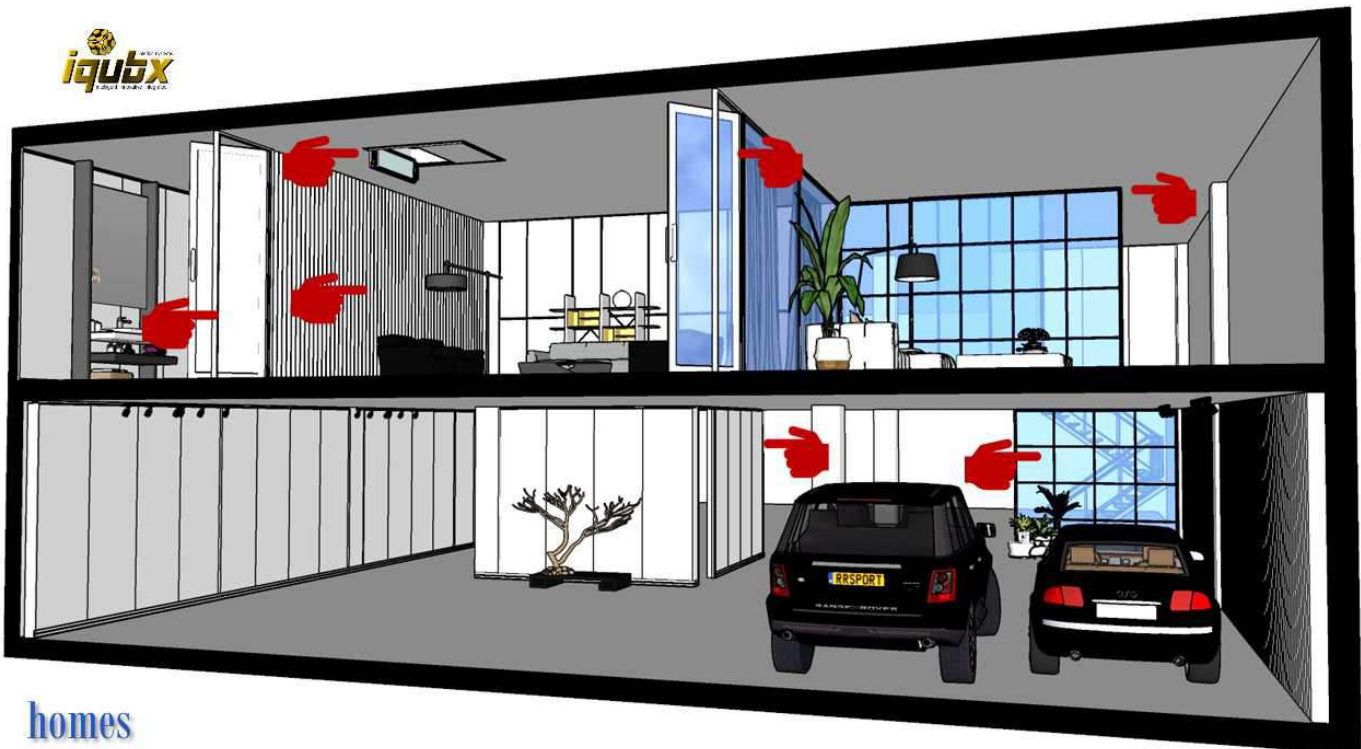
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Retail | Hotels
Smart Cities | Airports
Railway & Metro Stations

hospitals

airports

Awards & Recognitions

DEMOUNTABLE WALL PANELING WP02

https://iqubx.com/wall-paneling/

Technical Data

Top channel 14 x 13
Base plate 24 x 9

Powder coat / Anodized

For fixing any 10-12 mm material panel like gypsum board, prelam particle board, soft board, lacquered glass pasted on back ply, clear glass etc

GREENPRO certified 6063 aluminium alloy, 100% recycled aluminium - 10% pre-cosumer & 90% post-consumer

WEBPAGE

14 x 15 mm add on grid system, modular, modifiable, can be used in existing glass

This snap-fit paneling system for walls is a very versatile system which allows different material panels to be installed quickly on existing walls and partitions. The **wall panel material can be any 10-12 mm thick material panel like Gypsum board, calcium silicate board, clear glass, lacquered glass, wood, pre-laminated board or ply, soft board** etc.
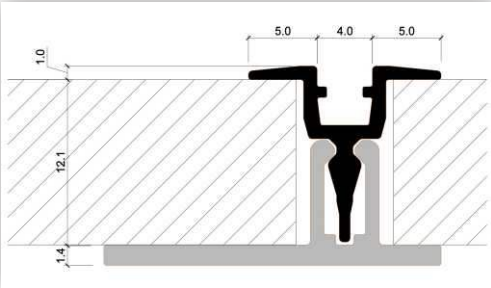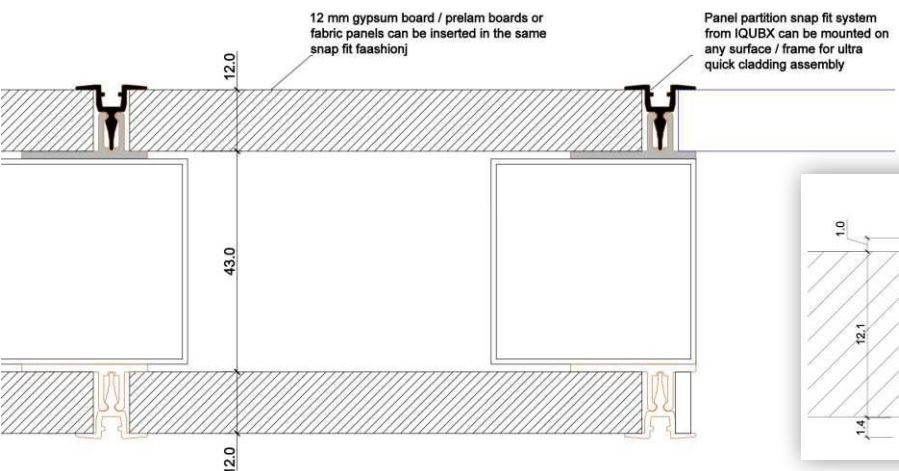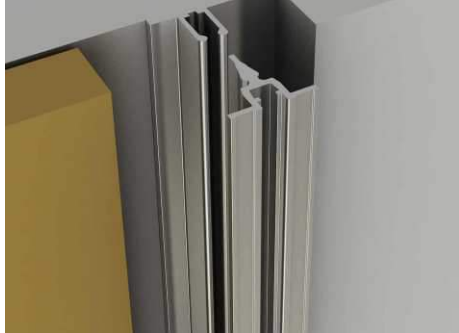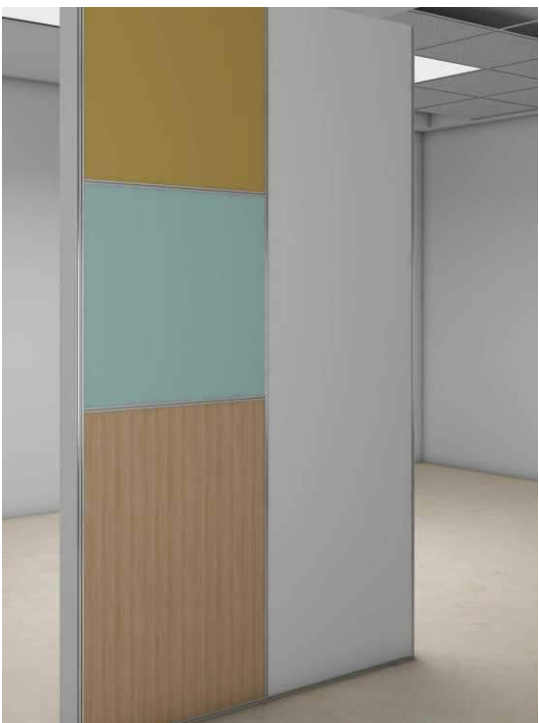
The unique fixing system has a base channel which can be fixed on any substrate with screws to a location which is one edge of the receiving wall or partition. The pre-sized panel is placed and the second base channel is placed with flange underneath the panel. The earlier base channel (fixed first) is plugged with snap-fit male channel with flanges to fix the wall panel from one side. The second panel is placed and the third base channel fixed in continuity. The second male channel is now fixed and the fixing continues.

The **front visible channel has just 5mm wide flanges on both side and a 4mm groove in between**, It can be powder-coated or anodized as per site requirements.

This system allows the **fixing of wall panels at a very high speed on site** and can cover over 1000 sqft in a single day using just two manpower.

Any panel can be changed for want of change of material finish, repair, maintenance etc. Carefully designed and installed system can even allow creation of fenestration like a clear glass fixed window in cabins at any time.

It can be paired with aluminium channels and clad from both sides to **create a partition system in no time as well**.

12 mm gypsum board / prelam boards or fabric panels can be inserted in the same snap fit faashionj

Panel partition snap fit system from IQUBX can be mounted on any surface / frame for ultra quick cladding assembly

12.0

43.0

12.0

5.0 4.0 5.0

1.0

12.1

1.4

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DEMOUNTABLE WALL PANELING WP01

https://iqubx.com/wall-paneling/

Technical Data WP01

Main post section 25 x 44
Main rail with hook system 12 x 53
Hook section 5 x 22
panel thk 6 to 18 mm
Typical paneling thickness 38 mm

raw mill finish / powder coated

GREENPRO certified 6063 aluminium alloy, 100% recycled aluminium - 10% pre-consumer & 90% post-consumer

WEBPAGE

KEY FEATURES

Designed for **quick install & uninstall** / relocate very easily

Structurally sound and can take desired loads

Removable panels allow access to embedded services for maintenance or modification with ease e.g. quick installation of a new switch board or removing one

Removable **panels can be easily changed** e.g. quickly installing glass board or a soft board instead of a laminated panel

For partitions, it has c**ontinuous cavity to allow insulation pad**s (for effective acoustic insulation) and any number of **vertical electric conduits without any cutting of frame,** even post-installation

Paneling work done in office of Prime minister of Nepal office using IQUBX WP01 paneling system

25 thk framing for panels 6 to 18mm, quick install, removable panels, continuous cavity in frame for services
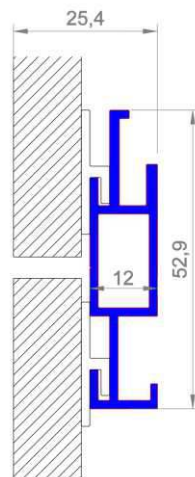
WP01P is a DEMOUNTABLE PARTITION WALL, **GREENPRO** (by IGBC, CII), structural aluminium frame and panel wall partition system based on **WP01 wall paneling system**.

WP01 frame work can be simply doubled and fixed together to generate **WP01P** partition system. **Therefore, WP01 system can be used as paneling as well as partition system.** Very quick install, it has unique features of removable panels and continuous cavity for acoustic insulation and electric conduits.
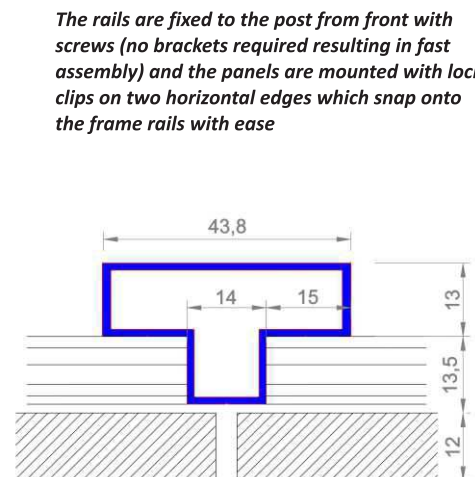
It is a post and rail framing system. The engineered post and rails are made of 6063 aluminium alloy and the **panel skins made out of 6 to 18 mm thick edge banded pre-laminated particle board, or MDF, or veneered ply, or soft board or 4mm glass board pasted on ply.**

The rails are fixed to the post from front with screws (**no brackets required resulting in fast assembly**) in any configuration as per design to make the frame work. The load-bearing frame is fixed in plumb and line and the panels are mounted with lock clips on two horizontal edges which snap onto the frame rails with ease.

This allows **easy installation and removal of the panels** at any time providing 2 distinct functionality. First is that, **panels can be removed anytime for accessing and maintaining the services running inside the partitions**. Secondly, **they can be replaced with other design of panels at any time.** This system can save an enormous lead time and labor cost. This aspect can also make the workflow on site faster, as paneling or partitions need not be withheld for services installation

The rails are fixed to the post from front with screws (no brackets required resulting in fast assembly) and the panels are mounted with lock clips on two horizontal edges which snap onto the frame rails with ease

SECTION DETAIL

PLAN DETAIL - PANELING

The panels can be snap fitted on to the frame very fast

DEMOUNTABLE WALL PANELING WP01P

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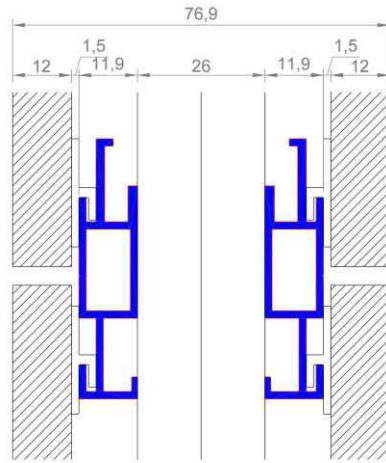modular-aluminium-demountable-partition-wall-system/

Technical Data WP01P

Main post section 50 x 44
Main rail with hook system 12 x 53
Hook section 5 x 22
panel thk 6 to 18 mm
Typical partition thickness 75 to 100 mm

raw mill finish / powder coated

GREENPRO certified 6063 aluminium alloy, 100% recycled aluminium - 10% pre-consumer & 90% post-consumer

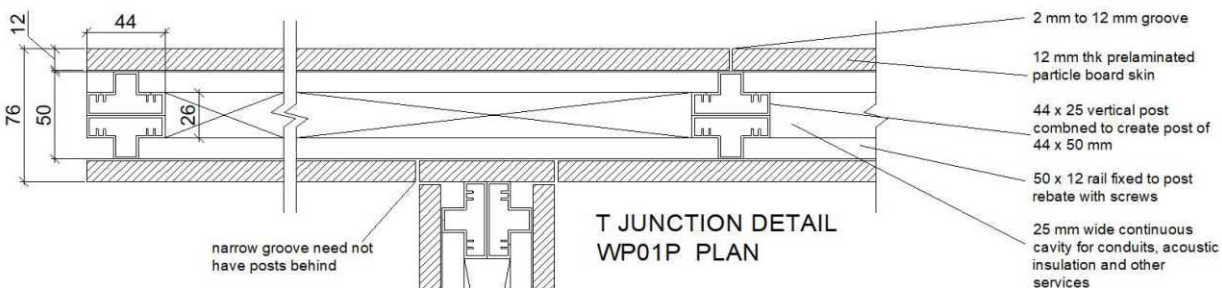WEBPAGE

SECTION DETAIL
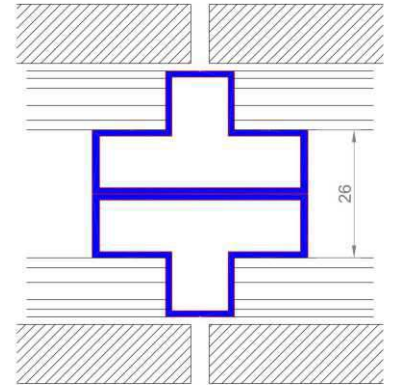
PLAN DETAIL - PARTITION

50 thk framing for panels 6 to 18mm, quick install, removable panels, continuous cavity in frame for services and acoustic insulation
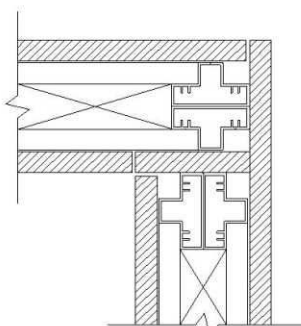
In case of partition, the rails are fixed on both faces of the posts creating **a continuous vertical cavity of 25mm between the rails, which can be used for continuous acoustic insulation and electrical conduits, other services**, thus eliminating any need to drill holes to pass conduits or services. In fact, conduits can be put at any time even after the entire partition is complete, making it very easy for modification of electrical system and point locations in a project

A uniform vertical and horizontal groove from 4mm to 12mm is possible. Zero groove should be avoided as panels won't align.

Typical thickness of WP01P is 75 mm with 50mm framing, 25 mm continuous cavity, 12mm panels skin on both side. WP01P can also be of 100 mm with the two post frames having an intermediate 25 x 40mm vertical aluminium channel and 50mm continuous cavity.

T JUNCTION DETAIL WP01P PLAN

narrow groove need not have posts behind

- 2 mm to 12 mm groove
- 12 mm thk prelaminated particle board skin
- 44 x 25 vertical post combned to create post of 44 x 50 mm
- 50 x 12 rail fixed to post rebate with screws
- 25 mm wide continuous cavity for conduits, acoustic insulation and other services

CORNER DETAIL WP01P PLAN
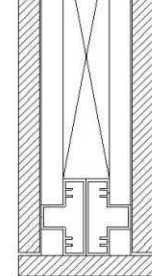
END DETAIL WP01P PLAN

WP01P SECTION

- 12 mm thk prelaminated particle board skin
- 44 x 25 vertical post combned to create post of 44 x 50 mm
- 2 mm to 12 mm groove
- 50 x 12 rail fixed to post rebate with screws
- 25 mm wide continuous cavity for conduits, acoustic insulation and other services
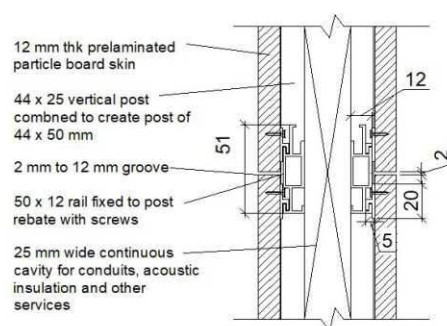
skin can be any 12 mm thk or other thickness material like prelaminated particle board, laminated ply or MDF, lacquered glass pasted on mdf, soft board etc

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DEMOUNTABLE WALL PANELING WP03P

50 thk framing for panels 6 to 18mm, quick install, removable panels, continuous cavity for services and acoustic insulation

Technical Data WP03P

WP03Pa post 44 x 50 mm
WP03Pb rail 60 x 9 mm
WP03Pc hook 25 x 10 mm

Typical partition thickness from 78 to 104mm

raw mill finish / powder coated in any color

GREENPRO certified
6063 aluminium alloy, 100% recycled aluminium -
10% pre-cosumer & 90% post-consumer

Removable panels can be easily changed e.g. quickly installing glass board or a soft board instead of a laminated panel

WP03P is a partition system based on WP01P. This is a dedicated partition system. For paneling, WP01P can be used in conjunction with this system with exactly the same aesthetics and look.

* Post and rail with panels modular construction
* Very fast to install and Very cost effective
* Continuous cavity for conduits and acoustic insulation
* Panels fixed with continuous gasket for acoustic insulation
* Anytime Changable panels with lot of options like Prelaminated board, laminated MDF, lacquered glass, soft board, cork board - allows post-construction flexibility as well as access for maintenance of embedded services

WP03Pa post section

WP03Pb rail section

WP03Pc hook section
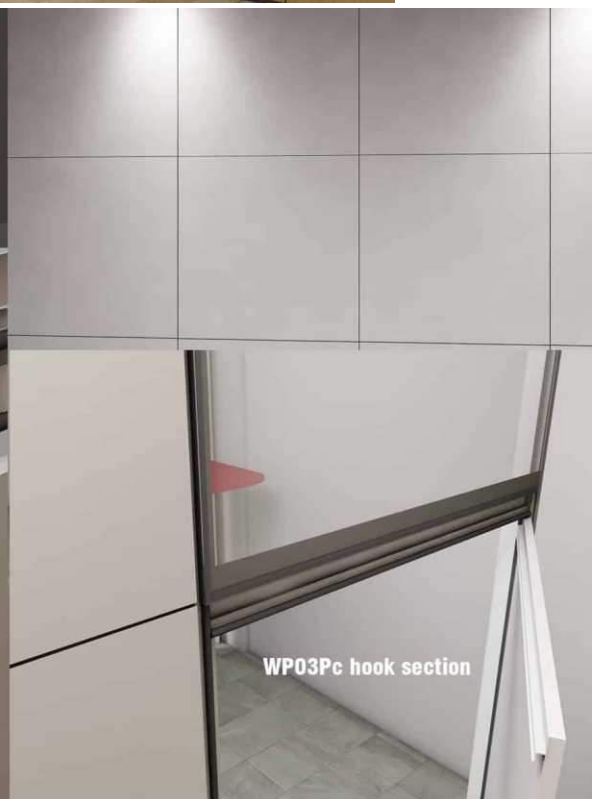
IQUBX WP03P DEMOUNTABLE WALL PARTITION SYSTEM

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Government of Nepal
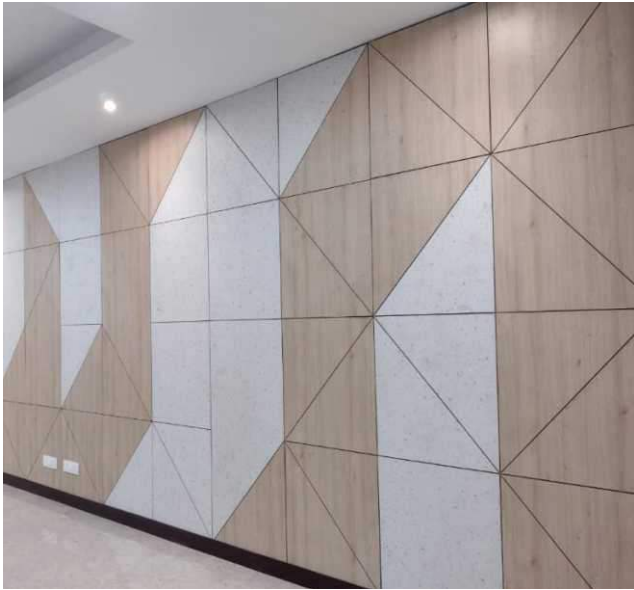
The demountable paneling and partition system used in office of Prime minister of Nepal

W**P03P** is newer version of WP01P and meant only for partitioning. It has some features in addition to WP01P. However, both the partitioning systems can be used on any site.

Some additional features over WP01P

Easier assembly and locking panels

Better acoustics - i**ntegrated gaskets all around the panel**

Total thickness of partition is about 79mm with 50mm post & 12mm thick panels on both sides, with 2mm gap on both faces for rubber gaskets.

Continuous vertical cavity of 27mm is created between the rails. A uniform vertical and horizontal **groove from 0mm to 6mm** is possible. In case a vertical panels of full heights are used, no groove needs to be provided
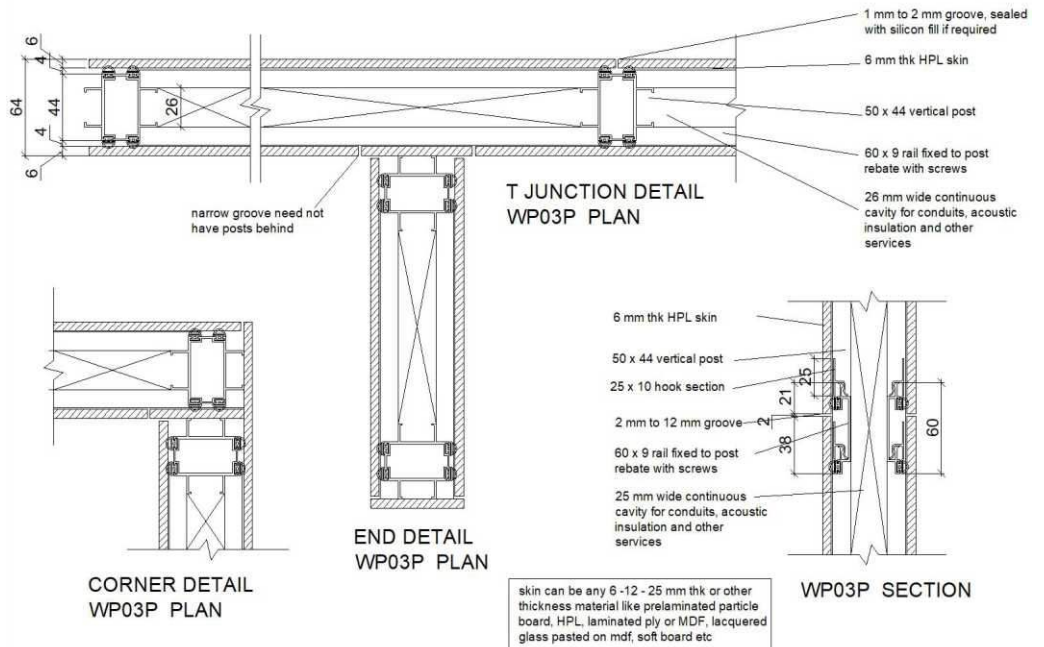

narrow groove need not have posts behind

T JUNCTION DETAIL WP03P PLAN

1 mm to 2 mm groove, sealed with silicon fill if required
6 mm thk HPL skin
50 x 44 vertical post
60 x 9 rail fixed to post rebate with screws
26 mm wide continuous cavity for conduits, acoustic insulation and other services

CORNER DETAIL WP03P PLAN

END DETAIL WP03P PLAN

6 mm thk HPL skin
50 x 44 vertical post
25 x 10 hook section
2 mm to 12 mm groove
60 x 9 rail fixed to post rebate with screws
25 mm wide continuous cavity for conduits, acoustic insulation and other services

skin can be any 6 -12 - 25 mm thk or other thickness material like prelaminated particle board, HPL, laminated ply or MDF, lacquered glass pasted on mdf, soft board etc

WP03P SECTION

Rails are fixed from front with screws, saving time

This also creates a cavity for conduits and other services

The skin is fixed with help of hook section

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DRY WALL CLADDING PARTITION WALL USING STONE & TILES FOR WET AREAS
DWP01

https://iqubx.com/dry-wall-cladding-room-partition/

drywall cladding system for stone, tiles, bison board etc, used with IQUBX open frame structure to create drywall partitions with removable cladding

In a way, it is a high performance modular prefabricated wall with stone, tile cladding or paint finish & replaces traditional masonry brick or block walls in a building. This modular system has **several advantages over traditional masonry, including, far less labour cost, ease and speed of installation, superior finish & detail, re-usability**.

One of the best advantages of this modular dry cladding system is the ease of **post-construction access to embedded services like plumbing, electric and HVAC** etc, due to removable finishing panels. These partitions can be acoustically treated also to create a very safe & quite environment.

Labor cost is minimized & a very short construction time with high quality detailing & finish can be achieved. This kind of dry wall technique can also provide flexibility for future changes to the layouts.

IQUBX dry stone cladding ready made room partition walls can be used to partition any interior, including offices, homes, hospitality projects like hotels, banquet halls, malls, hospitals, Institutions like schools and colleges as well as industry & any other project where high quality finish and time is valued. **This dry ready-made walls can be used in wet areas like kitchens and toilets as well as dry areas like rooms and halls**. Being modular in nature they can be installed and removed easily, therefore, they are ideal for temporary extension structures. The same structure can later be used elsewhere.

WEBPAGE

Technical Data

Panels - 18mm stone, tiles pasted on base board, HPL, bison board

Open Frame of OFRa 50x50 engineered section and OFRb 25x38

DWP01a base channel with skirting 47x20
DWP01b 68 x 31 and top fixing channel
DWP01c 39 x 40
DWP01d 35x40 horizontal fixing channel top finishing channel
DWP01e 4x10 top finishing channel

All components are raw mill finish and can be powder coated in any powder coat color or anodized

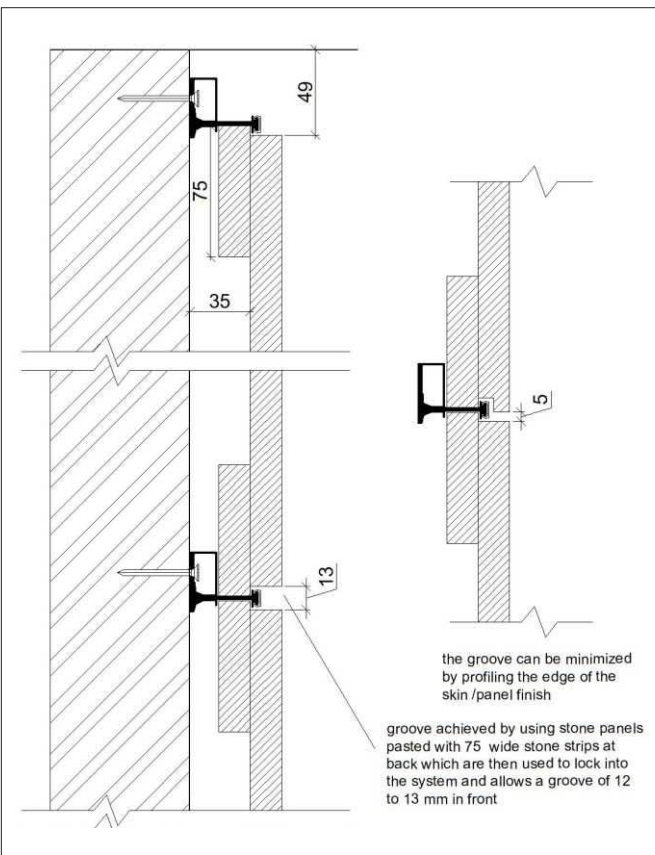**GREENPRO** certified 6063 aluminium alloy, 100% recycled aluminium - 10% pre- consumer & 90% post-consumer

Cladding system is mounted on IQUBX OFR modular open frame modular structure system, made with Aluminium engineered sections of high tensile & bending moment strength, and functionality of modular joinery with Allen bolts & nuts as well as screws.

On this frame, services can be supported depending on area of use. For instance, in wet areas, plumbing pipes can be tied to the internal structure aluminium members sheets fix to the frame.

Subsequently, the Finishing panel of stone, tile or may be block board are positioned in the base channel which is fixed to the floor. This base channel has built-in skirting on both sides which gives an Aesthetic junction to the wall with floor and water proofing of the joint with silicon.

After this, the panels are positioned in plumb and line and the locking channel for individual panels is fixed at the top.

After finishing the installation of all the panels, the finishing top channel is fixed at the top. There is also possibility of giving bands of different material or color in the center in the system as well as to achieve grooves in tiles/stone panels.

edge detail with a stone, wood or any other material, 18 to 20mm thick jamb

engineered aluminium section with high bending strength forming the vertical post, 50 x 50

engineered aluminium section with high bending strength can be used to hang loads with holes in panel / skin to pass through

aluminium bracket with allen nut bolt for fixing horizontal members of frame to posts

engineered aluminium section with high bending strength forming the rail, 38 x25, to be used oly if required and at relevant places

aluminium bracket fixed with frame and to floor / roof

DWP01P DRY CLADDING ROOM PARTITION SECTION DETAIL
with multiple stone panels in height

engineered aluminium section with high bending strength forming the vertical post 50 x 50

silicon fill for water proofing

DWP01P DRY CLADDING PARTITION PLAN AND EDGE DETAIL
vertical grooves between panels

channel system to support stone panel and lock stone below simultaneously and show as anodized or powdercoated channel on stone

gap behid panel to carry services

in the system, any 18 to 20mm material like stone, bison board, tiles pasted on 10mm substrate board, HPL etc can be used, as dry wall cladding on existing surface or frame, or from both sides to create a partition

the groove can be minimized by profiling the edge of the skin /panel finish

groove achieved by using stone panels pasted with 75 wide stone strips at back which are then used to lock into the system and allows a groove of 12 to 13 mm in front

typical specification
DRY WALL CLADDING PARTITION WALL DWP01

Supply of greenpro certified IQUBX DWP01 modular fast installing dry wall cladding for fitting stone and tile panels of 18mm - 19mm thickness on to the existing wall surfaces.

Stone panels upto 19mm and tile panels made of tiles pasted on 9mm marine ply or board, or any other material as per client but with approx 19mm edges achieved by thickness of material or achieved by pasting additional material on edge. The finishing channel of approx 12 mm to be visible outside the surface of panel. Alternatively, panel to be crafted with main surface pasted with 19mm material behind in strips, to be accomodated in the grovves of base skirting channel and the lock channel, to effectively make horizontal grooves of 12 to 13 mm.

The dry wall cladding system to be made of base channel section for holding panels in floor with DWP01a rounded skirting integrated 47 x 20; horizontal fixing channel for individual panels DWP01d approx 35 x 40; top finishing channel DWP01e of approx 4 x10 mm. The outside of panel surface shall be not more than 35 to 40 mm from the wall surface, with a gap of 15 mm from inside surface of panel to the frame. This cladding system including the stone to be 35mm to 40mm thick for panels without grooves and 55mm thick for paneling with grooves.

Alternatively, the horizontal cladding channel can be - top fixing channel DWP01b 68 x 31 and top finishing channel DWP01c 39 x 40, to allow more gap between the panel and the posts or wall surface - 35mm - to allow services to travel horizontally, if so required. This cladding system to be 65 to 70 mm thick including stone for paneling without grooves, and 85mm for panels with grooves.

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Highly customizable Modifiable **Relocatable** Minimum components

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