



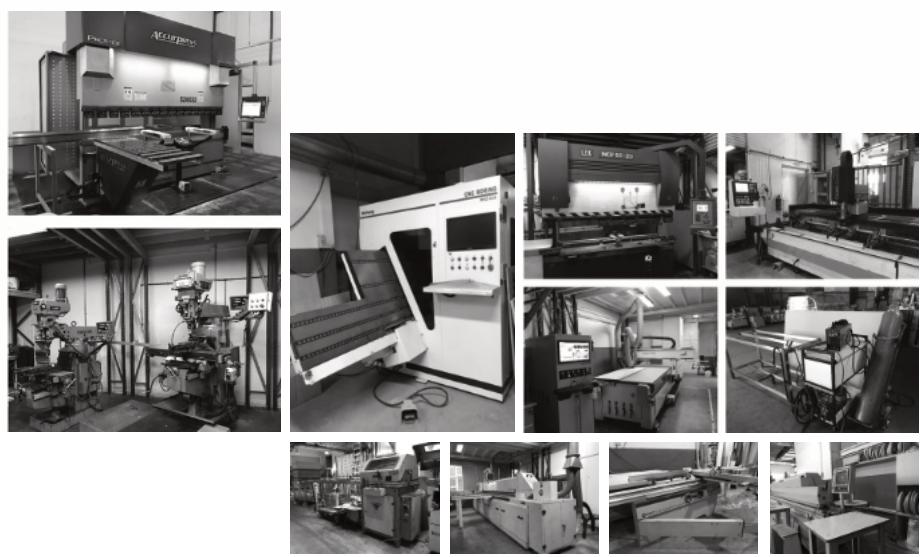
Modular Bed Head Panel

Healthcare

SYSTEM2

Bespoke Modular SOLUTIONS

est 2009



About us

Systemz is a one-of-a-kind solutions provider.

Modularity

We do research, design, manufacture and market highly modular and flexible products for the Healthcare, Laboratory, and Transportation market.

Customisation

Our team of award winning industrial designers, mechanical engineers, and product specialists work hand in hand with our customers to develop customised products to meet specific needs.

Integration

Systemz products are fully manufactured in-house in Singapore. Good design, high quality materials, and precision manufacturing ensures Systemz products are best in class.

Systemz Project References

Modular Bed Head Panel

| S/N | PROJECT TITLE & DESCRIPTION | LOCATION | NAME OF EMPLOYER | COMMENCEMENT DATE | PVDF Coating Colour | Accent Laminate Brand |
|-----|--|---------------------|------------------------------------|-------------------|-------------------------|----------------------------|
| 1 | Ng Teng Fong General Hospital BHP | NTFGH (Jurong East) | New Art interiors | AUG '2013 | Nippon Bone White | Admira, Formica & Lamintak |
| 2 | National University Hospital Ward 2A BHP | NUH | Acromec Engineering | JAN '2014 | Nippon Traffic White | - |
| 3 | Yishun Community Hospital BHP | YCH (Yishun) | Crown Construction | APR '2015 | Nippon Traffic White | Formica |
| 4 | Changi General Hospital (MED BUILD) BHP | CGH (Changi) | Son Heng Interiors | JUN '2015 | Nippon Foggy Day | Lamchuan |
| 5 | National University Hospital Ward 53 BHP | NUH | Acromec Engineering | MAY '2016 | Nippon Traffic White | - |
| 6 | National Centre for Infectious Disease BHP | NCID (Novena) | Sunray Woodcraft Construction | MAR '2016 | Nippon Bone White | Admira & Formica |
| 7 | Admiralty Medical Centre BHP | Admiralty | Air Liquid Singapore | DEC '2016 | Nippon Traffic White | Formica |
| 8 | Sengkang General Hospital BHP | Sengkang | Sengkang Health | JAN '2017 | Nippon Silky White | Greenlam |
| 9 | National University Hospital Ward 53 BHP | NUH | HY Building & Maintenance Services | JAN '2018 | Nippon Traffic White | - |
| 10 | Integrated Care Hub | ICH (Novena) | Kajima Overseas Asia Singapore | AUG '2018 | Nippon Silky White | Formica & Lamitak |
| 11 | Mt. Alvernia Hospital | MAH (Thompson) | Chin Kiong Construction | JUN '2019 | Nippon Ivory & Sunlight | Formica & EDL |
| 12 | Singapore General Hospital Ward 45A MICU | SGH | Globalwide Internation | OCT '2019 | Nippon Silky White | Admira |
| 13 | National University Hospital Ward 51 BHP | NUH | Chin Kiong Construction | MAR '2020 | Nippon Traffic White | - |
| 14 | NUS Medical Building 3 Level 3 | NUS | Gennal Industries | APR '2020 | Nippon Traffic White | Formica |

10 YEARS of experience in design and manufacturing of Bedhead panels

FILLING THE PRODUCT DESIGN GAP

Bespoke Healthcare & Lab Furniture Specialist.

Product Design

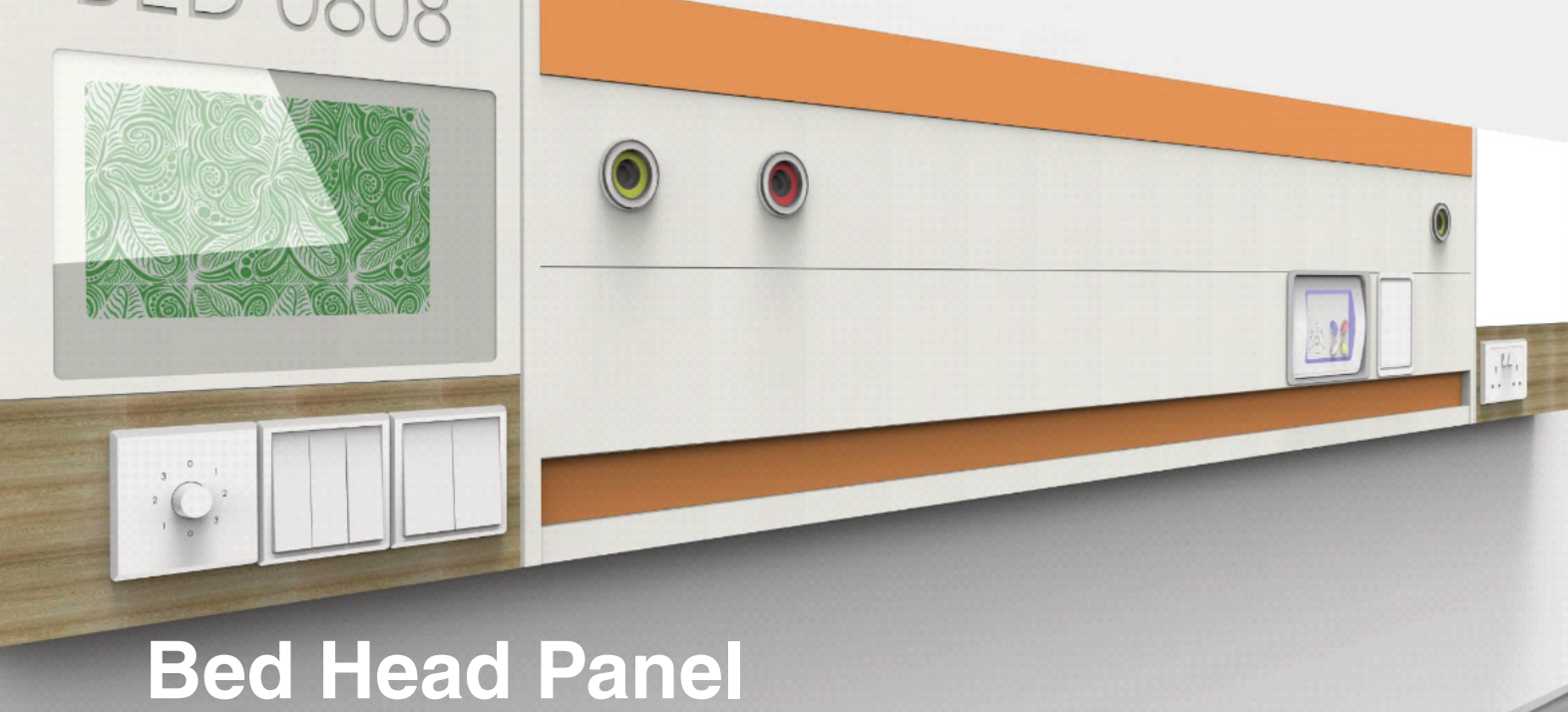
Singapore SME, Design & Manufacturing Company

60 Staff - 30 Professionals, 30 Production & Site Installers

30,000ft² Office & Manufacturing Area

Full CAD/CAM Operations





Bed Head Panel

Complies with HTM_08-03 – Bedhead Services and HTM_2 with 015 – Bedhead Services

- BHP made of PVDF coated aluminium
- No visible fasteners used on BHP
- Easy to maintain and wipe clean
- Promotes high standard of infection control

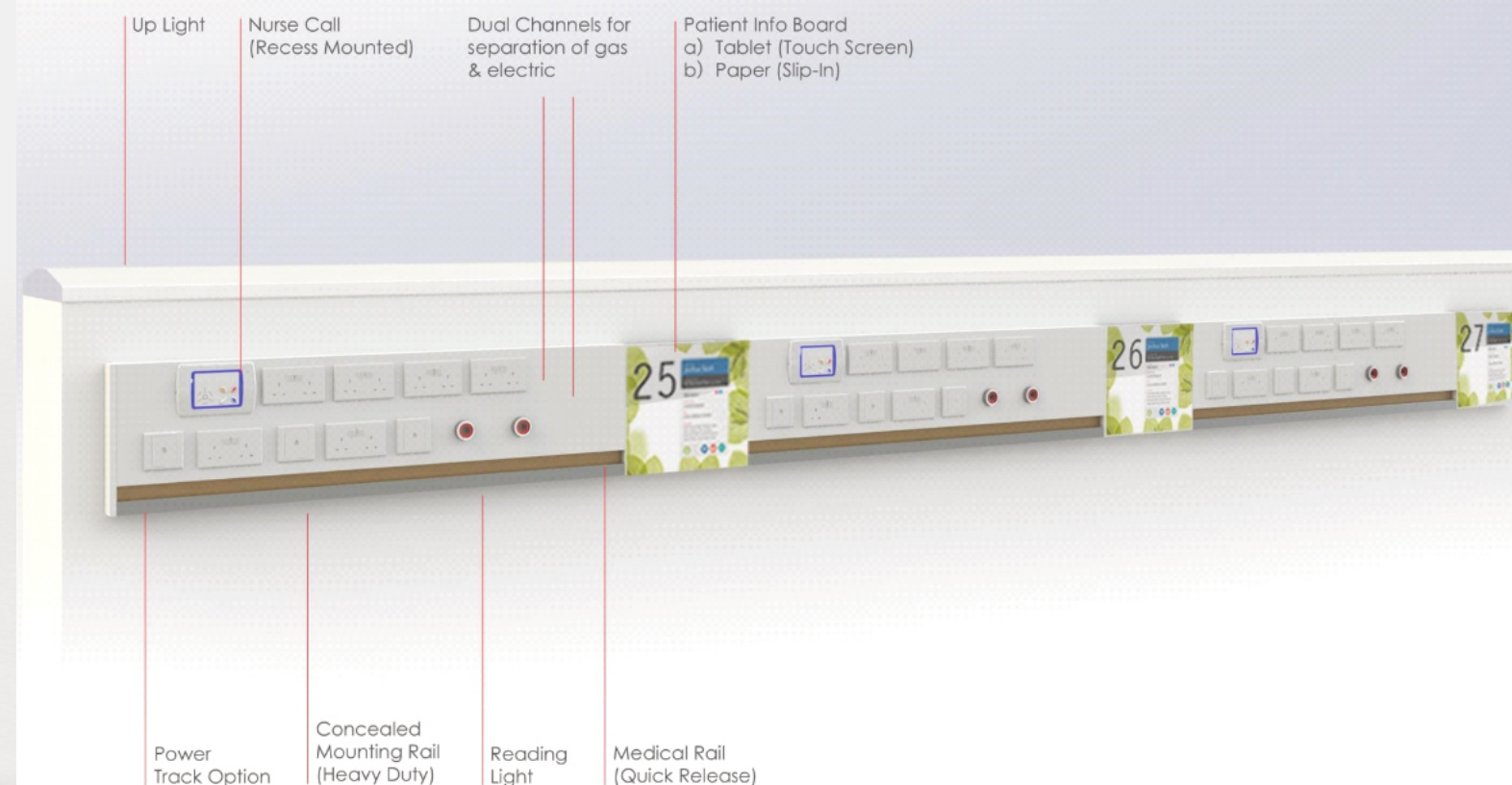
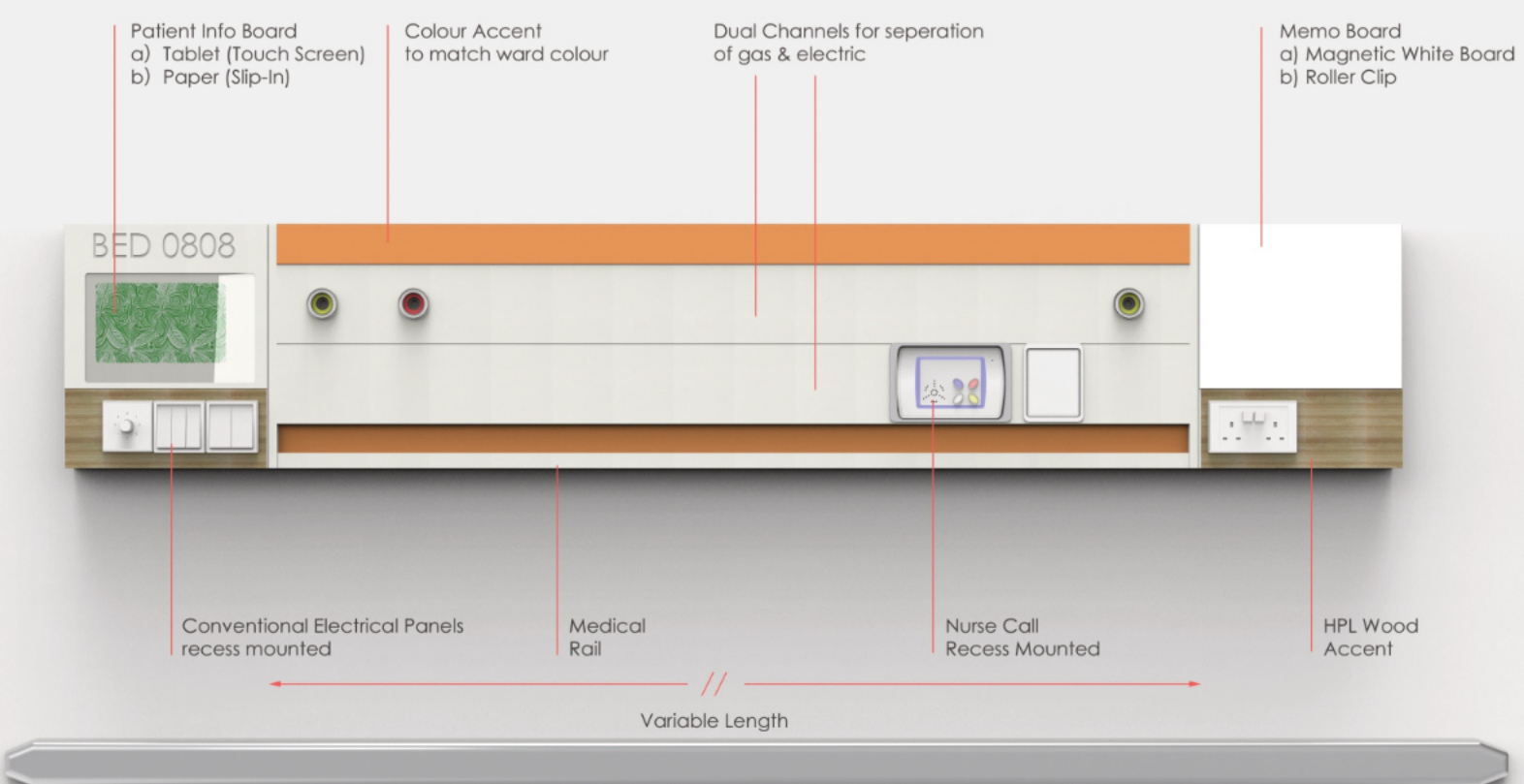


Complies with HTM_06-01
Cable segregation and separation & BS 7671
Segregation of circuits

- Internal metal separator for LV and ELV services in same channel.
- Separate channels for LV and ELV services.

Table 13 Recommended minimum separation distance between power and signal cables

| Minimum separation distances for various power cables (mm) | | | |
|--|--|---------------------|-------------------|
| Not enclosed environment for example on tray/basket | | | |
| Signal cable | No metallic sheath or screen for example twin and earth or singles | Steel wire armoured | MICC |
| Plain | 150 | 125 | Touching |
| UTP | 75 below 100 MHz 125 above 100 MHz | 50 | Touching |
| Screened | Touching | Touching | Touching |
| Enclosed environment for example trunking | | Metal separator | Plastic separator |
| Unscreened power lines, or electrical equipment and unscreened data IT lines | | 150 | 300 |
| Unscreened power lines, or electrical equipment and screened data IT lines | | 30 | 70 |
| Screened power lines, or electrical equipment and unscreened data IT lines | | 2 | |
| Screened power lines, or electrical equipment and screened data IT lines | | 1 | 2 |





Without exterior
fixed/door
laminated panels



Before and
after
installation
(Closeup)



Vertical Bed Head Panel

Purpose design and built future-proof BHP to streamline installation and maintenance.

- 100% locally fabricated (Singapore made) using CNC machines for more precise fabrication and shorter turnaround time.
- Offsite pre-fabricated Bed Head Panel frame and structure to ensure clean, fast and consistent installation
- Moisture resistant anti termite panels
- Anti-corrosion full stainless brackets and fasteners
- High-wear resistant PVDF coating.
- 6063-T6 Aluminium extrusion profiles for added durability and longevity.
- 3D BIM Model, CAD, CAM, CAE ready

Installed
exterior fixed/door
laminated panels

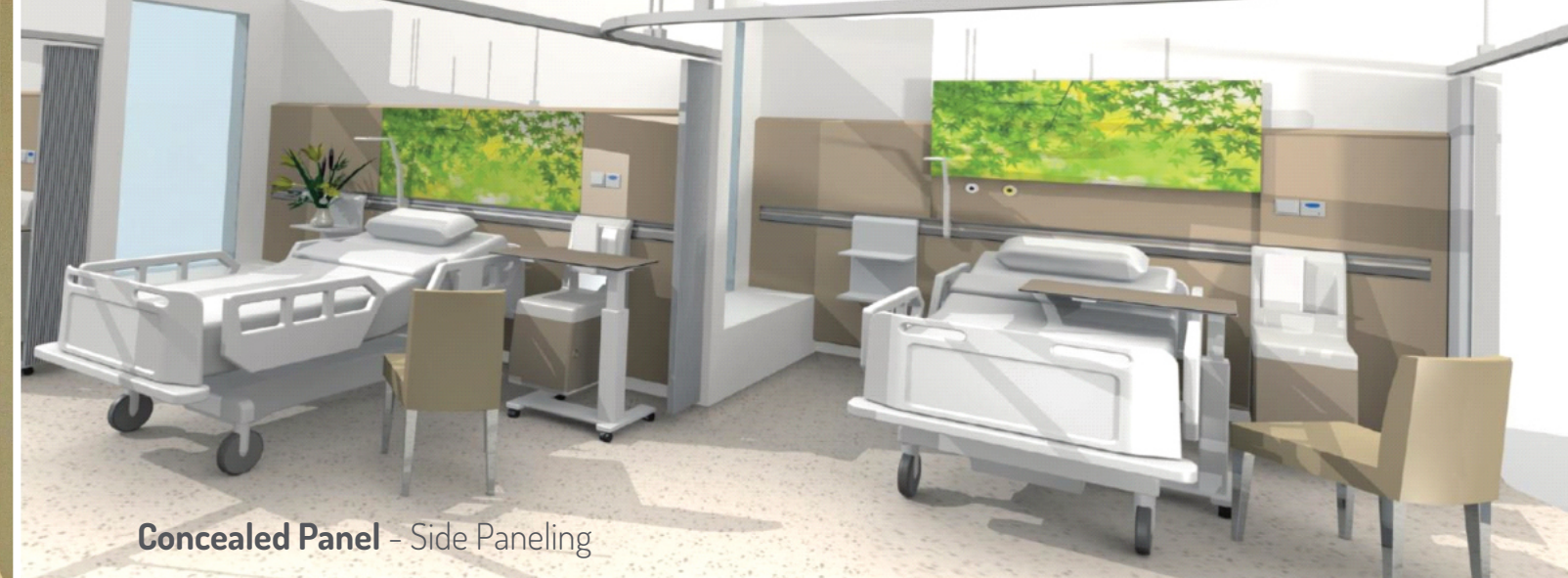




2-Bed Continuous



3-Bed Continuous BHP



Concealed Panel - Side Paneling



Continuous Bed Head Panel

Air tightness compliance (air leakage test, air pressure test, smoke test).

- Applicable for rooms with negative and positive pressure using proprietary sealing gaskets.

Upgrade-ability & Optional Accessories

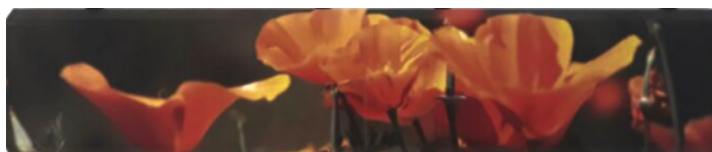
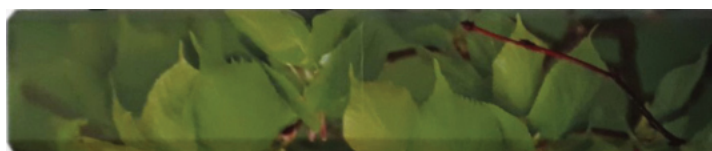


Surge Bed Conceal Panel

Effectively covers hospital bed head provisions when not in use.



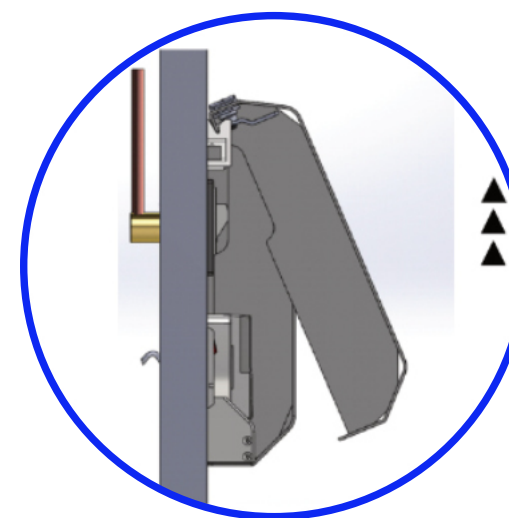
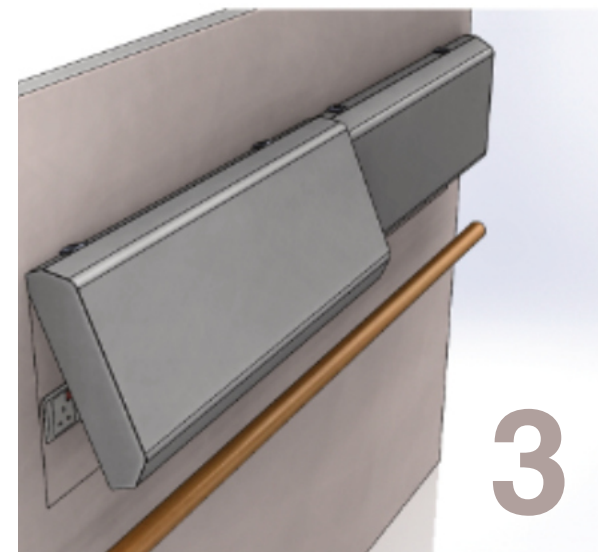
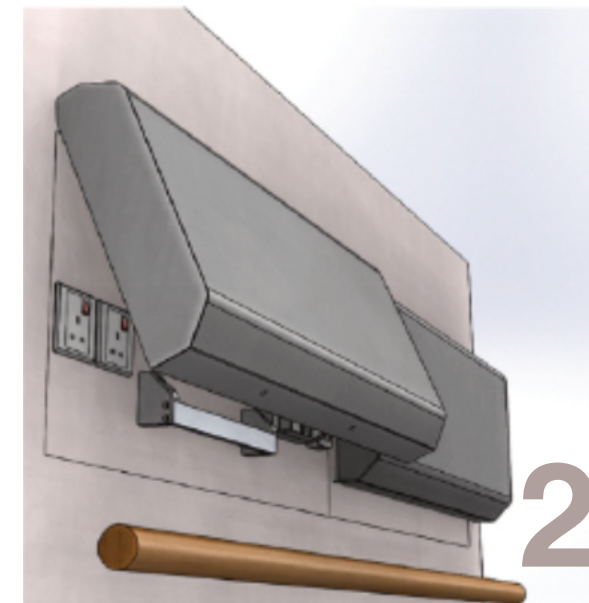
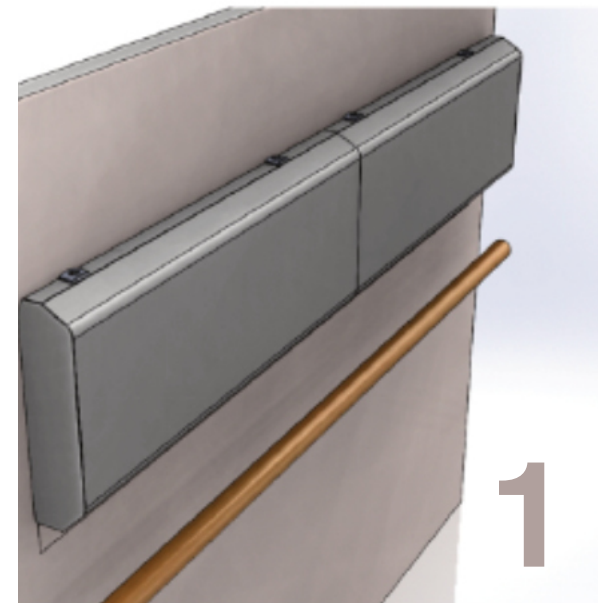
- These covers are detachable for easy storage.
- Temper-proof design covers.
- Covers removable only using service key.



Customized design and graphics based on client's preference.

Surge Bed Conceal Panel

Detachment Instructions



Step 1

Unscrew
Bottom Screws

Step 2

Unlock top latch
with tool

Step 3

Unhook Unit

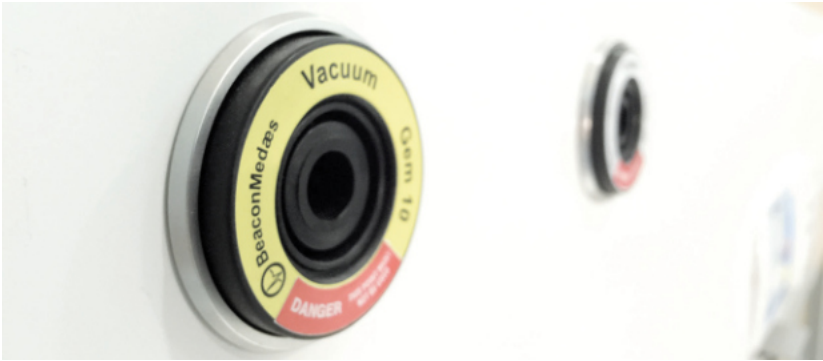
Bed Head Panel Features



Whiteboard with paper message holder



Electrical channel with nurse call cutout



Gas channel with sealant bezel



Integrated medical rail

Patient Information Board (PIB)



Tablet PC PIB



Enclosed magnetic PIB with tags



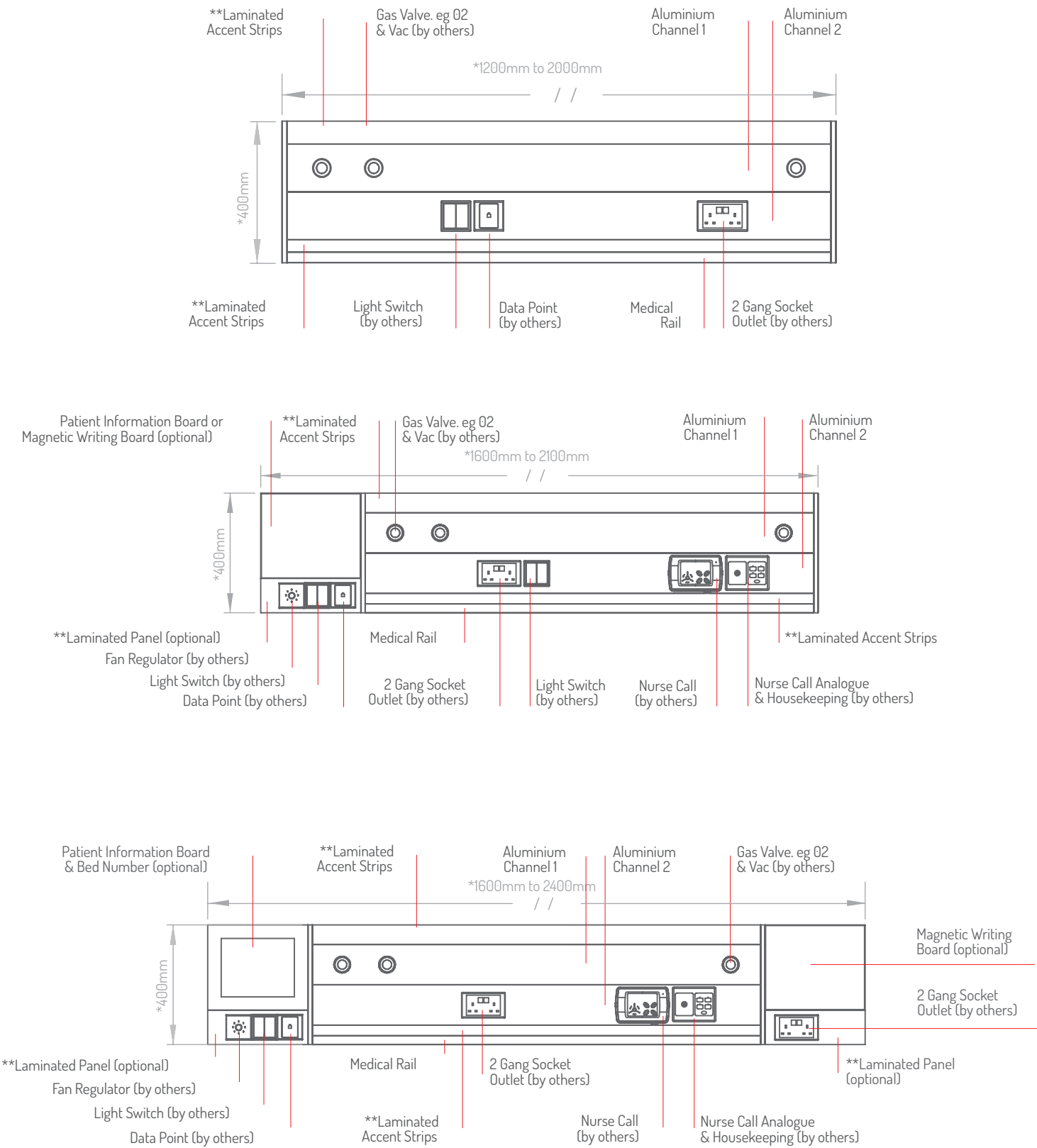
Slip-in printout PIB

Site Installations



Technical Specs

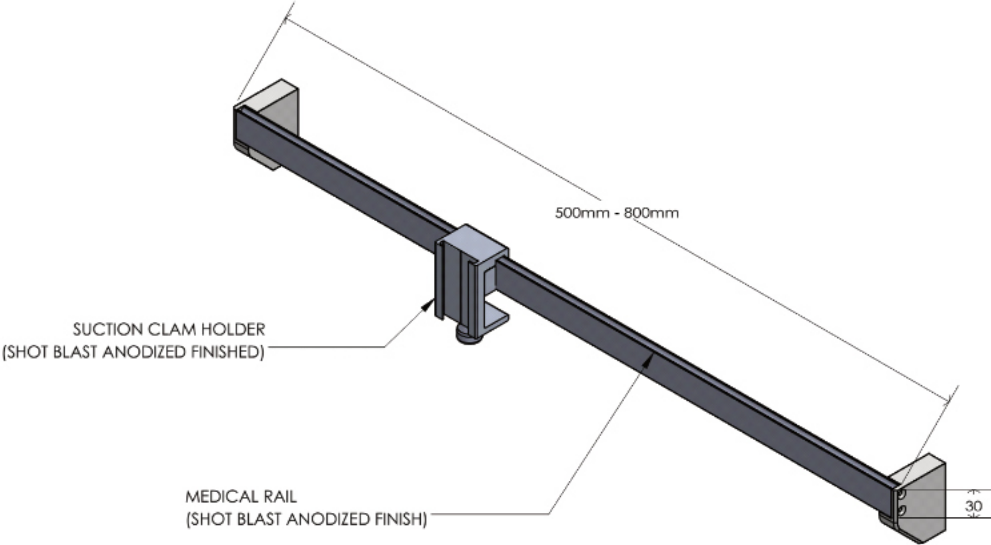
Modular Fit-out



* Panels are all variable in length, customise to all specific requirements
** Laminated to match ID finish

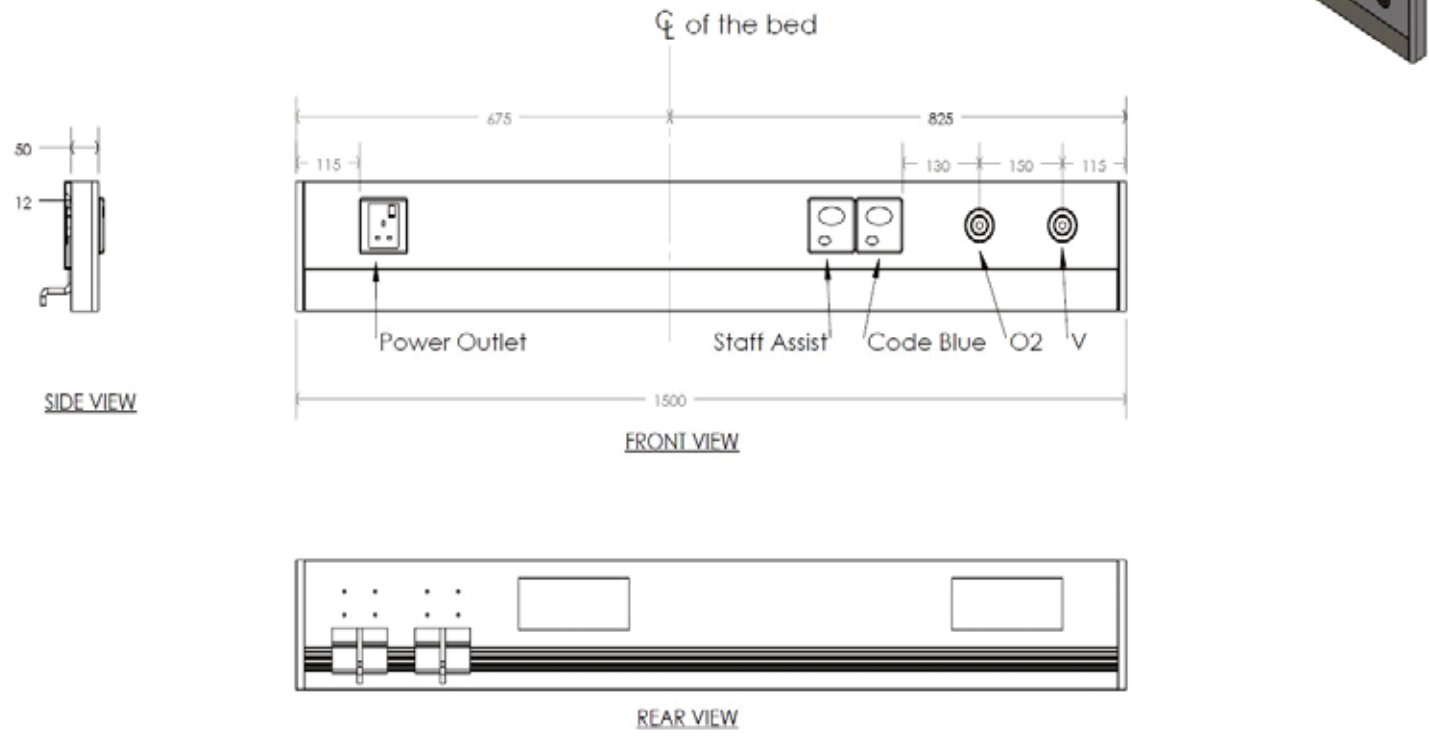
Technical Specs

Standalone Medical Rail & Suction Clam Holder

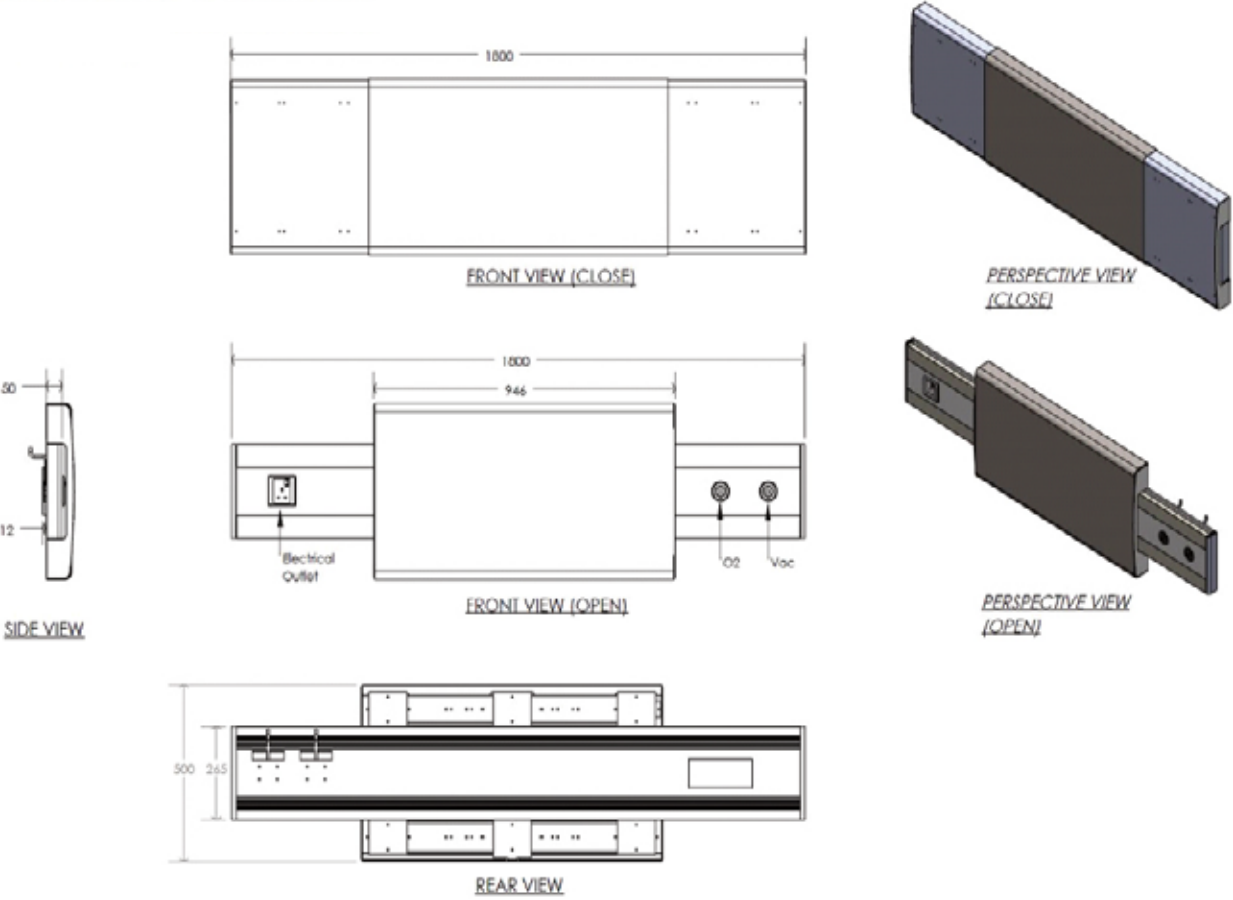


Technical Specs

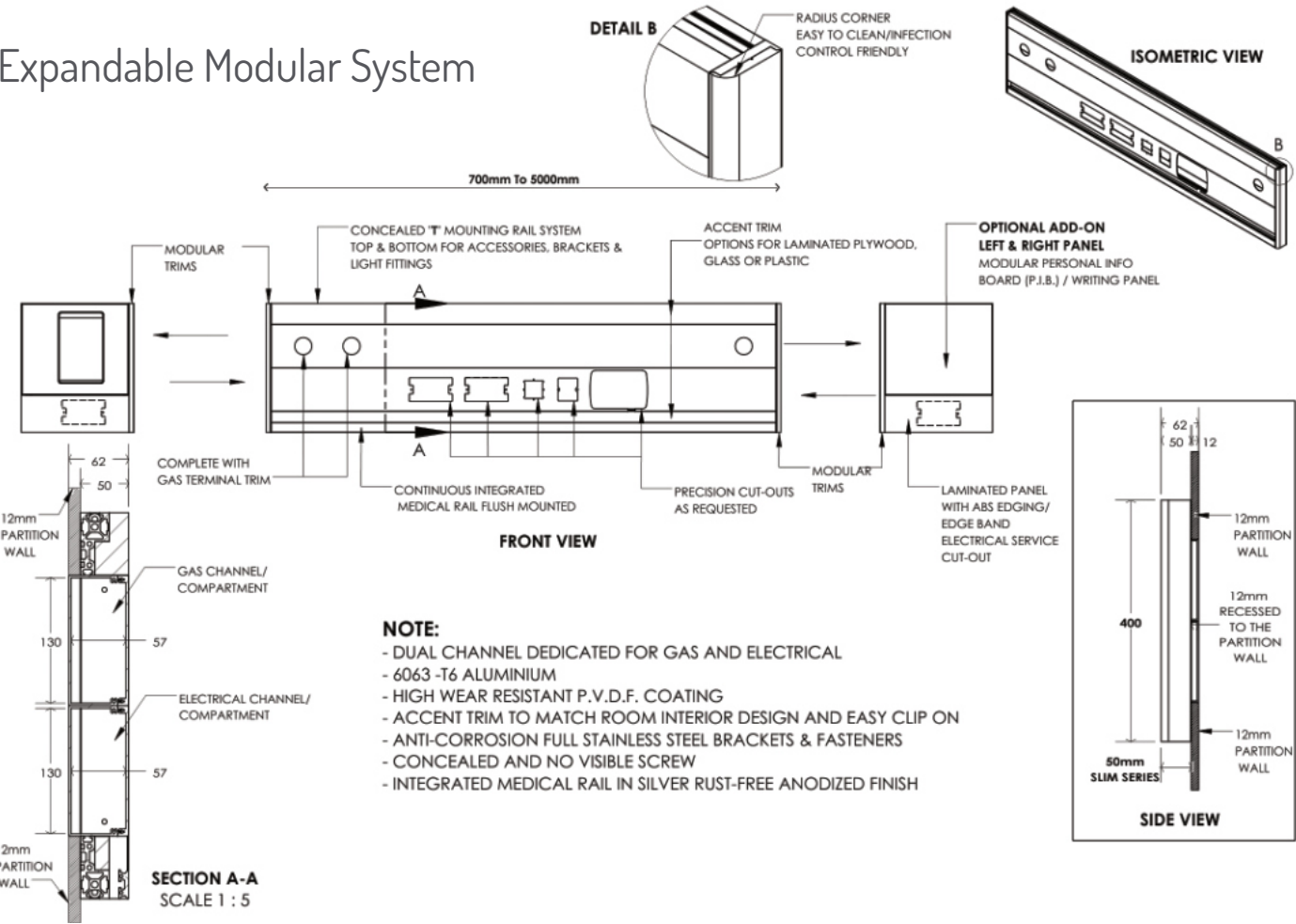
Systemz Modular Bedhead Panel (Single Channel)



Systemz Modular Bedhead Panel With Sliding Panels(Single Channel)



Expandable Modular System





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