Hallam

800 Series Rack Cabinets

800 Series Rack Description

◇1 Frame

The fully welded construction of the frame ensures that the rack will be stable under load conditions. There will be no flexing of the rack in any of the diagonal planes. The unique design of the posts departs from traditional "Box Style" designs, giving the cabinet an overall "Hitech" appearance in any installation site. The design of the post also allows for the vertical power strip to be incorporated into the cabinet. Removable cover plates in the base section of the frame allow for cable entry into the rack when through floor entry is not available. This cable entry still allows for the doors to open and close without any interference with the cables.

Material: 2.0mm Zinc Coated Steel
Finish   Powdercoat-Ripple

◇2 A Top Panel (plain)

The plain top panel provides protection for mounted equipment from the egress of objects into the rack. The top panel is supplied mounted to the frame on spacers which provides for air ventilation through the top of the rack. Screw mounting through the top of the panel allows easy access into the frame during installation and maintenance activities. These mounting screws can also be reversed to the inside of the frame for added security. Cable entry holes can be provided in the top panel, locations and sizes to be specified at time of ordering. The top panel can also be mounted flush to the frame providing additional protection against foreign objects.

Material: 1.0mm Zinc Coated Steel
Finish: Powdercoat-Ripple

◇2 B Top Panel (vented)

The vented top panel provides additional open area for ventilation when fan trays are installed or heat dissipation within the cabinet is a requirement. The same mounting and access options as the plain top panel are available with the vented panel.

Material: 1.0mm Zinc Coated Steel
Finish: Powdercoat-Ripple

◇3 A Side Panels

Fitted to the side panels are flush grip handles and ball stud catches which allows for easy pull and lift off access. Side panels can be ventilated with either louvre or perforations, the same as those on the metal doors. Cable entry cutouts can be provided, location and size to be specified at time of ordering.

Material: 1.0mm Zinc Coated Steel
*Finish: Powdercoat Ripple*

◇3 B Side Panels (lockable)

For added security and limited access, side panels can fitted with keyed cam locks. These locks can be fitted the same as the door locks and for added security situations, SEC approved locks can also be fitted with a master keying system if desired. Removal of the side panels can be achieved once the locks have been released. The ventilation options also apply if required.

Material: 1.0mm Zinc Coated Steel
Finish: Powdercoat Ripple

◇3 C Side Panels (secured)

The use of an internal bracket fastened to the inside of side panels also provides added security to the cabinet. Removal of the side panel can only be achieved by the releasing of the internal screws on the securing bracket. Ventilation options also apply as required.

2A

3B

3C

2B

7

1

8

4A

5

6

4A

4B

4C

3A
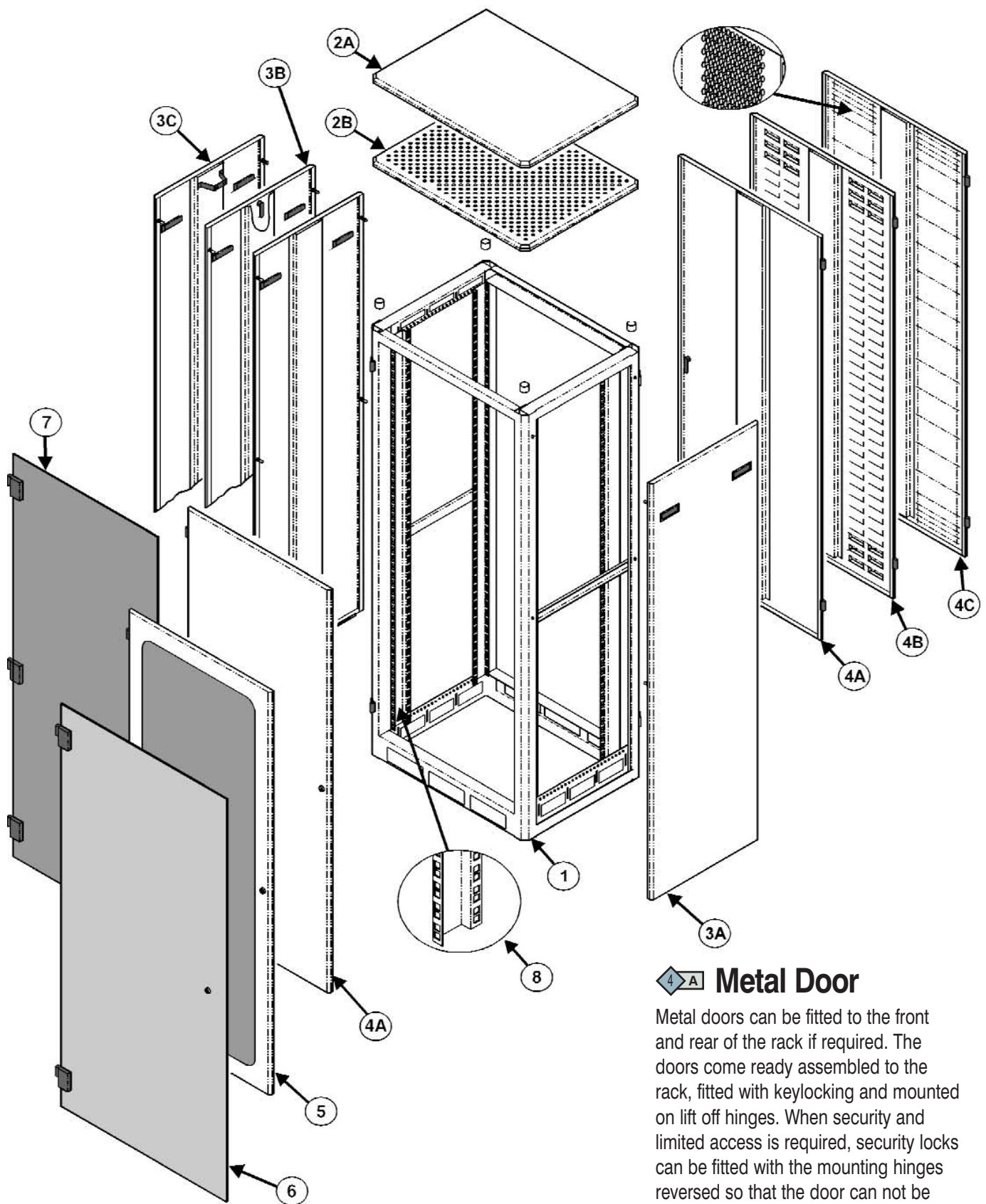
◆ 4 A **Metal Door**

Metal doors can be fitted to the front and rear of the rack if required. The doors come ready assembled to the rack, fitted with keylocking and mounted on lift off hinges. When security and limited access is required, security locks can be fitted with the mounting hinges reversed so that the door can not be lifted off. With the use of a rubber seal fitted to the door, this can provide added protection against the engress of dust.

Material: 1.0mm Zinc Coated Steel
Finish: Powdercoat Ripple

4 B Metal Door (louvre vented)

Additional air flow through the cabinet can be achieved when the door panel is pre-punched with louvre vents. These vents can be punched over the complete height of the door or specific areas only. The various locking and sealing options are also available with this door.

Material: 1.0mm Zinc Coated Steel
Finish: Powdercoat Ripple

4 C Metal Door (ventilated)

Additional air flow through the cabinet can be achieved when the door panel is pre-punched with perforation vents.

These vents can be punched over the complete height of the door or specific areas only. Protection against dust can be achieved when a removable filter panel is fitted. The various locking and sealing options are also available with this door.

Material: 1.0mm Zinc Coated Steel
Finish: Powdercoat Ripple

5 Perspex Door

This perspex door is of the same construction as the metal door, with the centre area punched out and fitted with a perspex panel. This perspex panel allows for viewing of both the equipment inside the cabinet and functions that are being performed. This style of door is suited to installations where limited access is required or protection against excessive dust is needed.

Material: 1.0mm Zinc Coated Steel
*   4.5mm Tinted Perspex*
Finish: Powdercoat Ripple

6 Glass Door

Frameless tinted safety glass provides a unique option to the Hallam Cabinet Range. The glass door can be fitted to the front or rear of the cabinet and provides an unobstructed view of the equipment inside the cabinet. The glass door is an obvious choice if static electricity can cause interference with the equipment. The new improved lift off hinges are fitted as standard.

Material: 6.0mm Toughened Safety Glass
Finish: Grey Tint

7 Perspex Door (frameless)

Frameless tinted perspex provides an alternative and unique option to the Hallam Cabinet Range.
The perspex door can be fitted to the front or rear of the cabinet and provides an unobstructed view of the equipment inside. The new improved lift off hinges are fitted as standard.

Material: 8.0mm Tinted Perspex

8 Panel Mounting Members

This part of the frame structure provides the mounting of equipment and shelves in it`s standard configuration of the industry recognised 26 inch format. These mounting members have the caged nut holes pre-punched along the RU height of the rack. Four panel mounting members per rack are supplied and their design eliminates the need to have additional "Shelf Rails". The 800 Series cabinet design also allows for different mounting options for equipment. Please see option sheet for details.
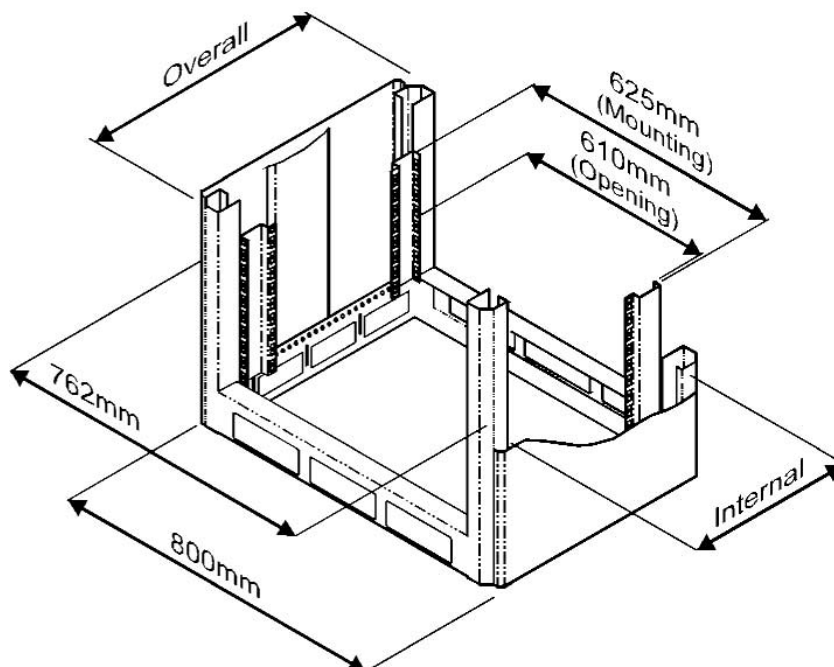
Material: 2.0mm Steel
*Finish: Black Zinc Electroplating*

Specifications

**Design criterea to
International Standard
IEC 297**
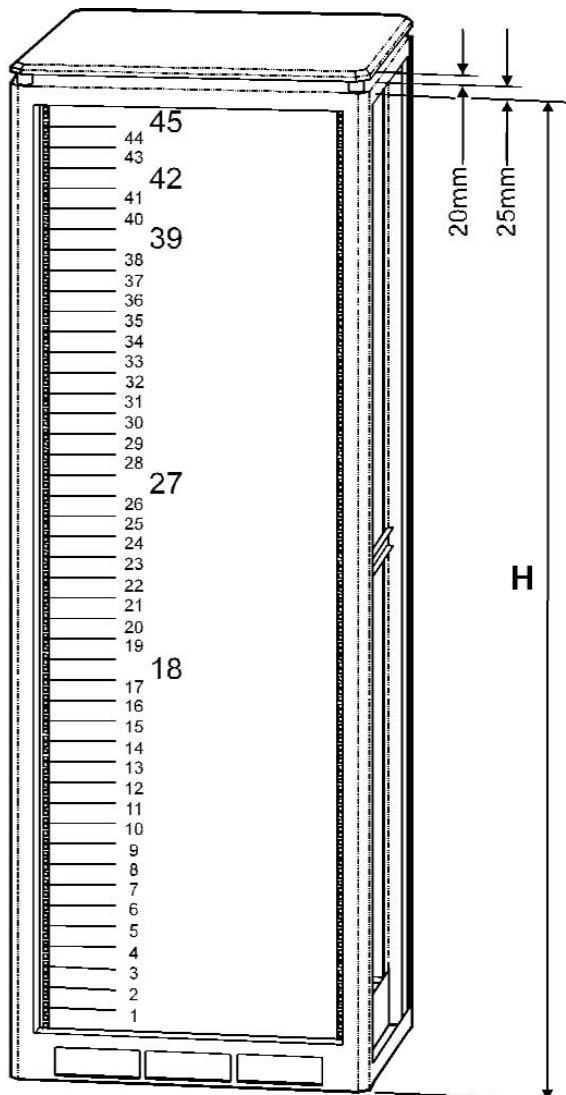
MODEL Number	Rack Unit	Height H	Depth Overall	Depth Internal
RC 18 60 80	18	941.34mm	600.0mm	480.0mm
RC 18 80 80	18	941.34mm	800.0mm	680.0mm
RC 18 90 80	18	941.34mm	900.0mm	780.0mm
RC 18 100 80	18	941.34mm	1000.0mm	880.0mm
RC 27 60 80	27	1342.0mm	600.0mm	480.0mm
RC 27 80 80	27	1342.0mm	800.0mm	680.0mm
RC 27 90 80	27	1342.0mm	900.0mm	780.0mm
RC 27 100 80	27	1342.0mm	1000.0mm	880.0mm
RC 39 60 80	39	1875.0mm	600.0mm	480.0mm
RC 39 80 80	39	1875.0mm	800.0mm	680.0mm
RC 39 90 80	39	1875.0mm	900.0mm	780.0mm
RC 39 100 80	39	1875.0mm	1000.0mm	880.0mm
RC 42 60 80	42	2009.0mm	600.0mm	480.0mm
RC 42 80 80	42	2009.0mm	800.0mm	680.0mm
RC 42 90 80	42	2009.0mm	900.0mm	780.0mm
RC 42 100 80	42	2009.0mm	1000.0mm	880.0mm
RC 45 60 80	45	2142.3mm	600.0mm	480.0mm
RC 45 80 80	45	2142,3mm	800.0mm	680.0mm
RC 45 90 80	45	2142.3mm	900.0mm	780.0mm
RC 45 100 80	45	2142.3mm	1000.0mm	880.0mm
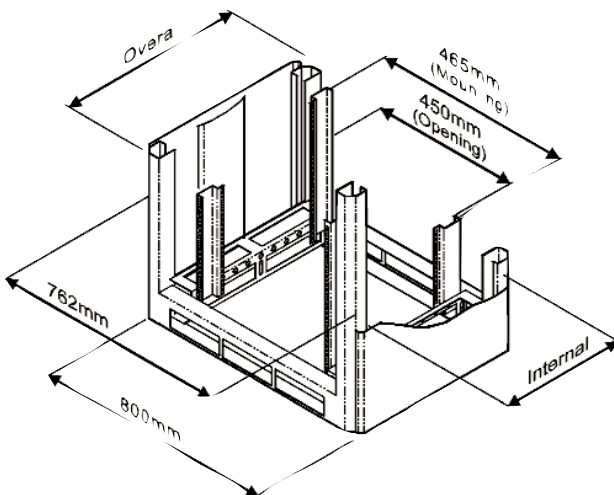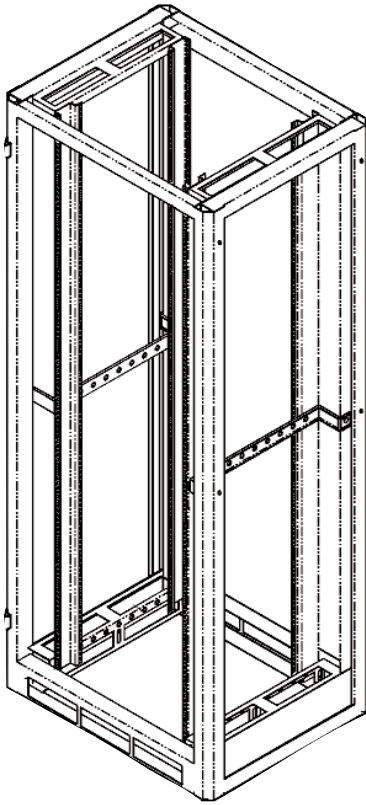
◇ Option A

The panel mounting members in this option reduce the internal width of the 800 Series cabinet to provide standard 19 inch mounting. With the use of "Add On" reducer sections there is a substantial cavity area left in the sides of the cabinet which allow for excellent cable management in a high density cabling installation. Four panel mounting members are supplied which facilitate the mounting of all 19 inch equipment and accessories.

Material: 2.0mm Steel
Finish: Black Zinc Electroplating
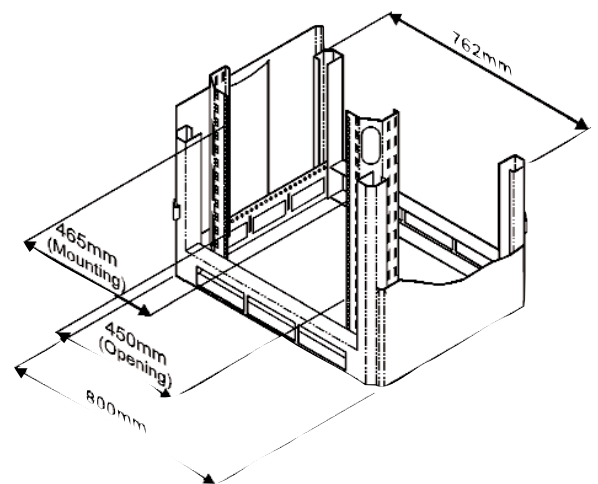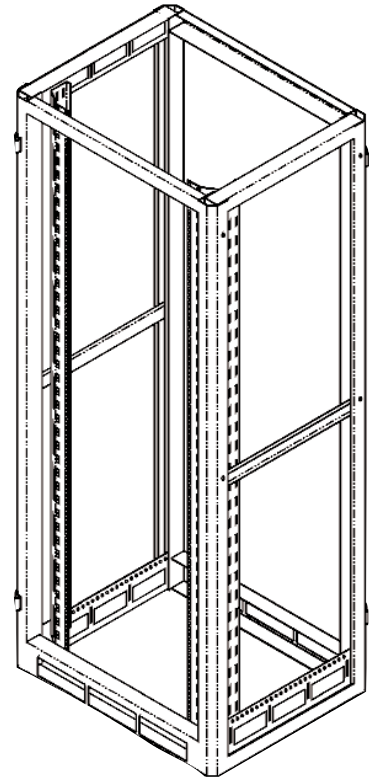
◇ Option B

The panel mounting members in this option again provide standard 19 inch mounting with the cable management facilities and cable ports incorporated into the members. Because this option is generally used for patch panel installations there are only two mounting members provided. However there are optional shelf rails available that can be fitted to the cabinet allowing standard accessories to be fitted.

Material: 2.0mm Steel
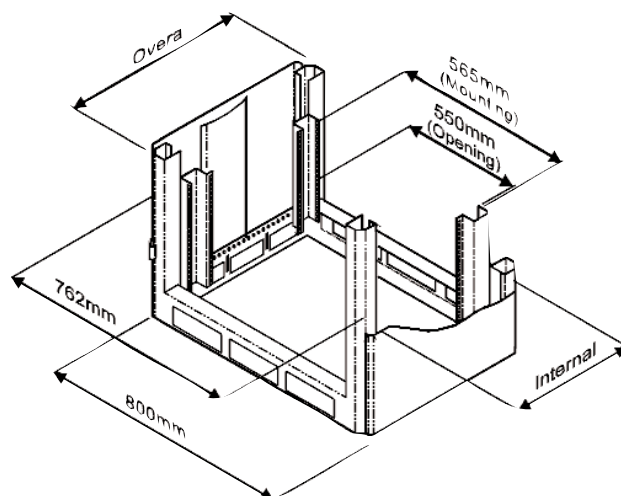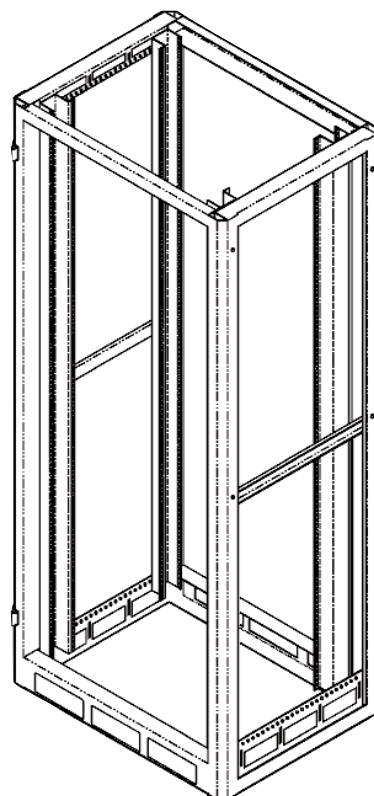*Finish: Black Zinc Electroplating*
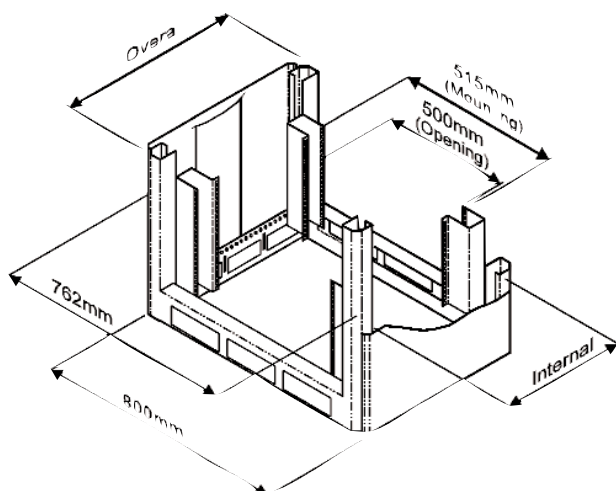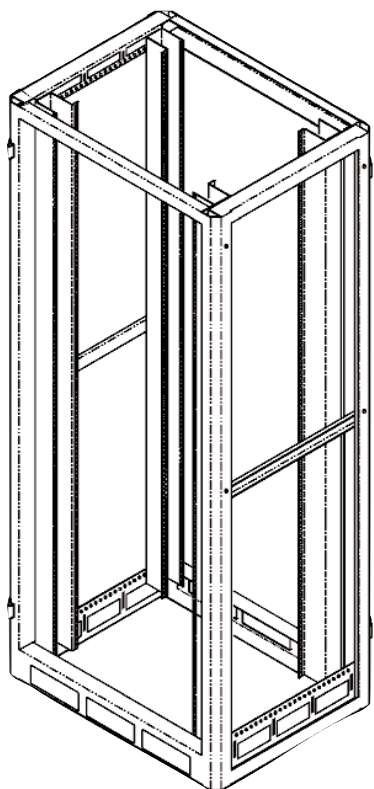
◇ **Option C**

The mounting option as shown in the diagram reduces the cabinet to facilitate the mounting of 21 inch equipment. This option is available for the mounting of specific telecommunications equipment which utilises the 21 inch standard. Four mounting members are supplied with the cabinet, of the design which eliminates the need for "Shelf Rails".

Material: 2.0mm Steel
Finish: Black Zinc Electroplating
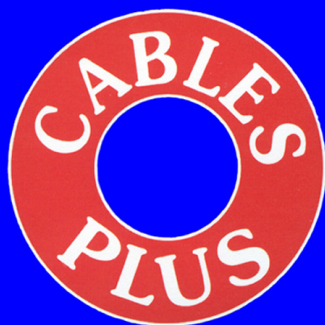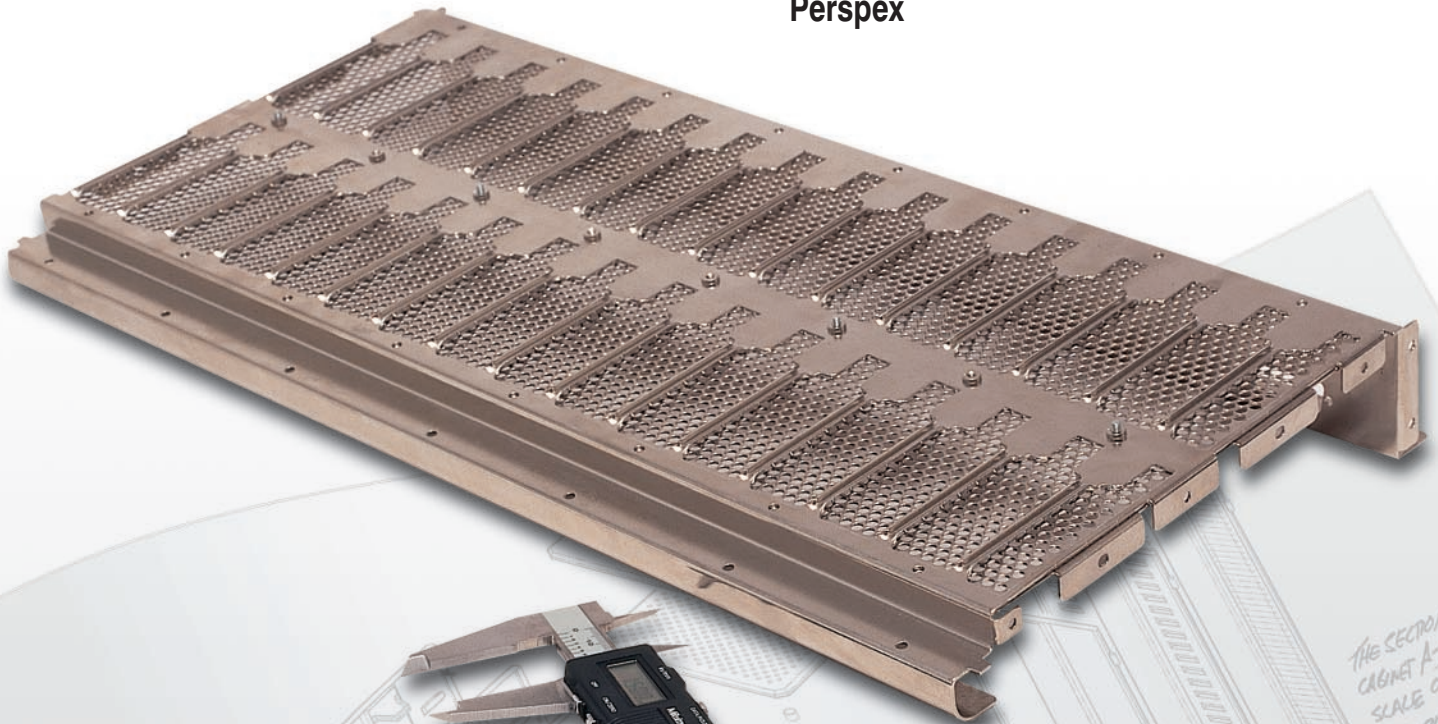
◇ **Option D**

The mounting option as shown in the diagram reduces the cabinet to facilitate the mounting of 23 inch equipment. This option is available for the mounting of specific telecommunications equipment which utilises the 23 inch standard. Four mounting members are supplied with the cabinet, of the design which eliminates the need for "Shelf Rails".

Material: 2.0mm Steel
Finish: Black Zinc Electroplating

Features

At Hallam Manufacturing we have created the ideal rack cabinet system to suit your every need. Coupled with our wide range of accessories and options, these cabinets offer outstanding features such as:

- ☐ **Fully welded frame construction**

- ☐ **Extreme strength & rigidity under load conditions**
- ☐ **Aesthetic modern design**
- ☐ **Integrated power distribution**

- ☐ **Lift off side panels with spring latch fastening**
- ☐ **Cable entry in base through removable covers**
- ☐ **Superior cable management**
- ☐ **Door options: Metal, Glass or Perspex**