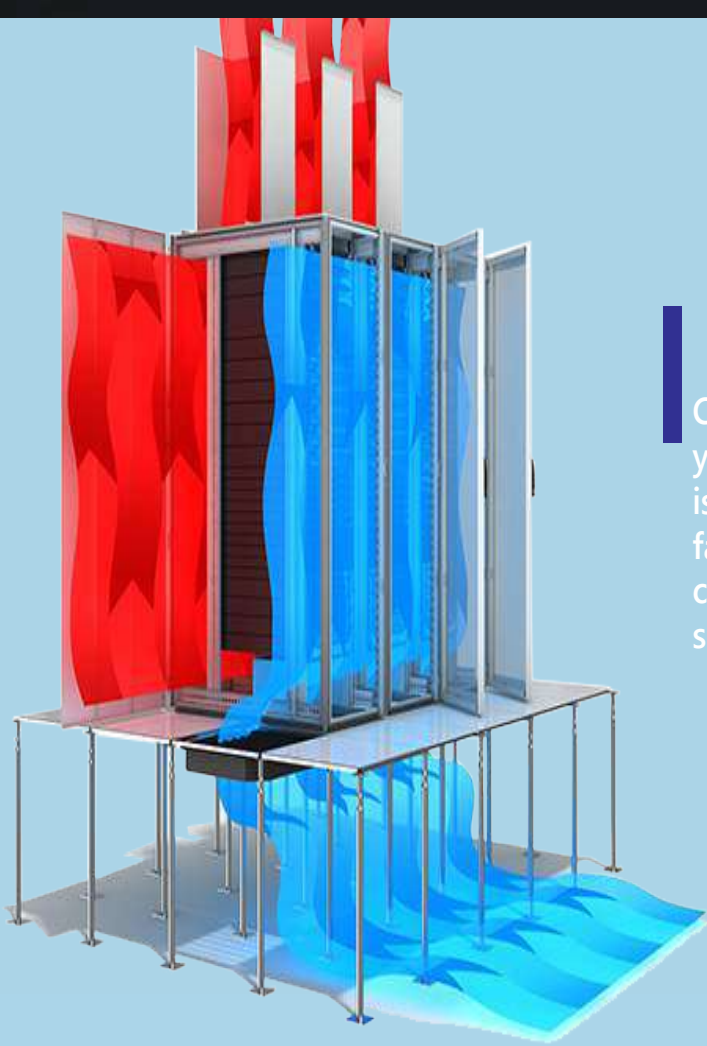




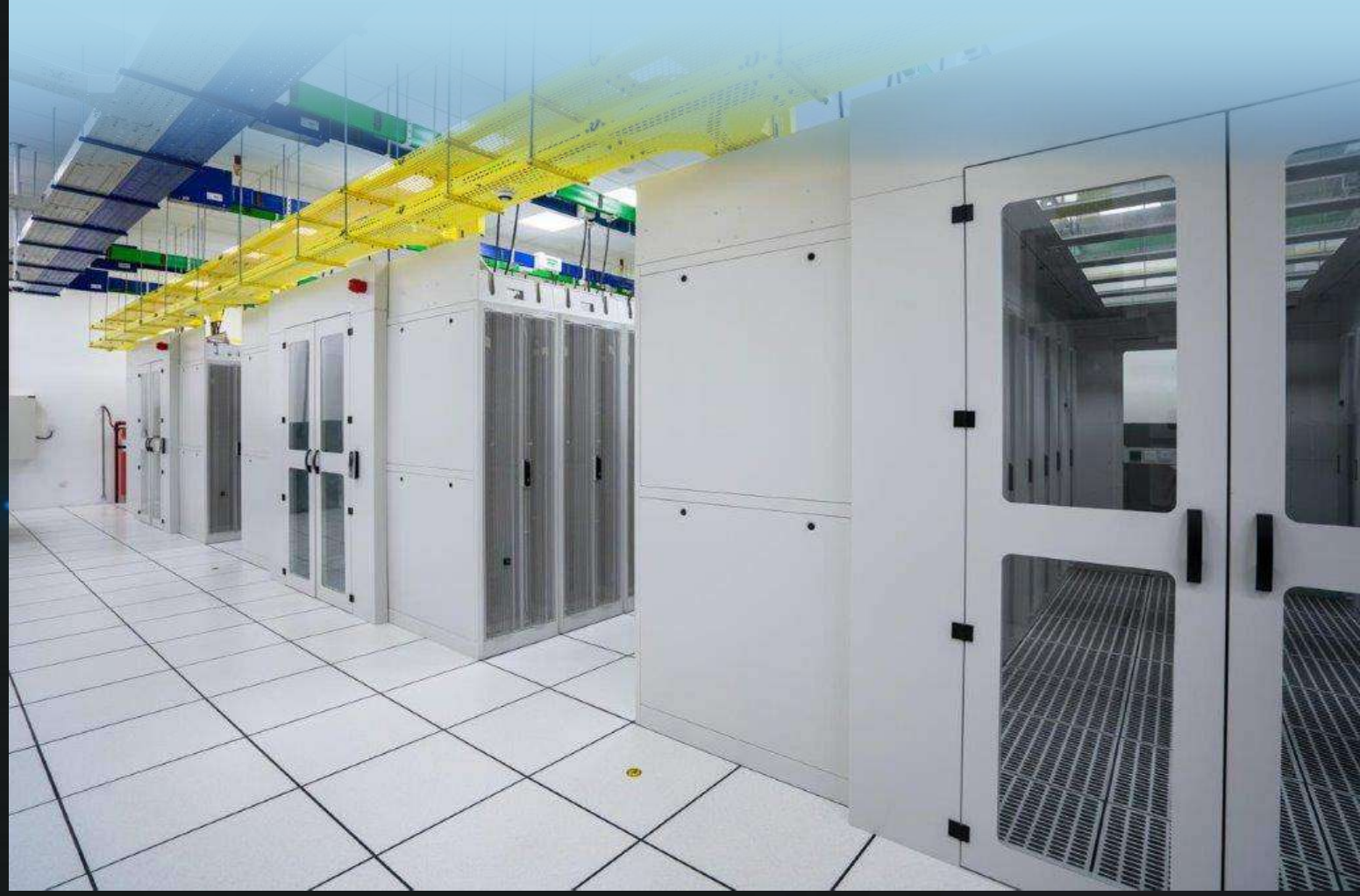
# AISLE CONTAINMENT



[www.timikenclosures.com](http://www.timikenclosures.com)



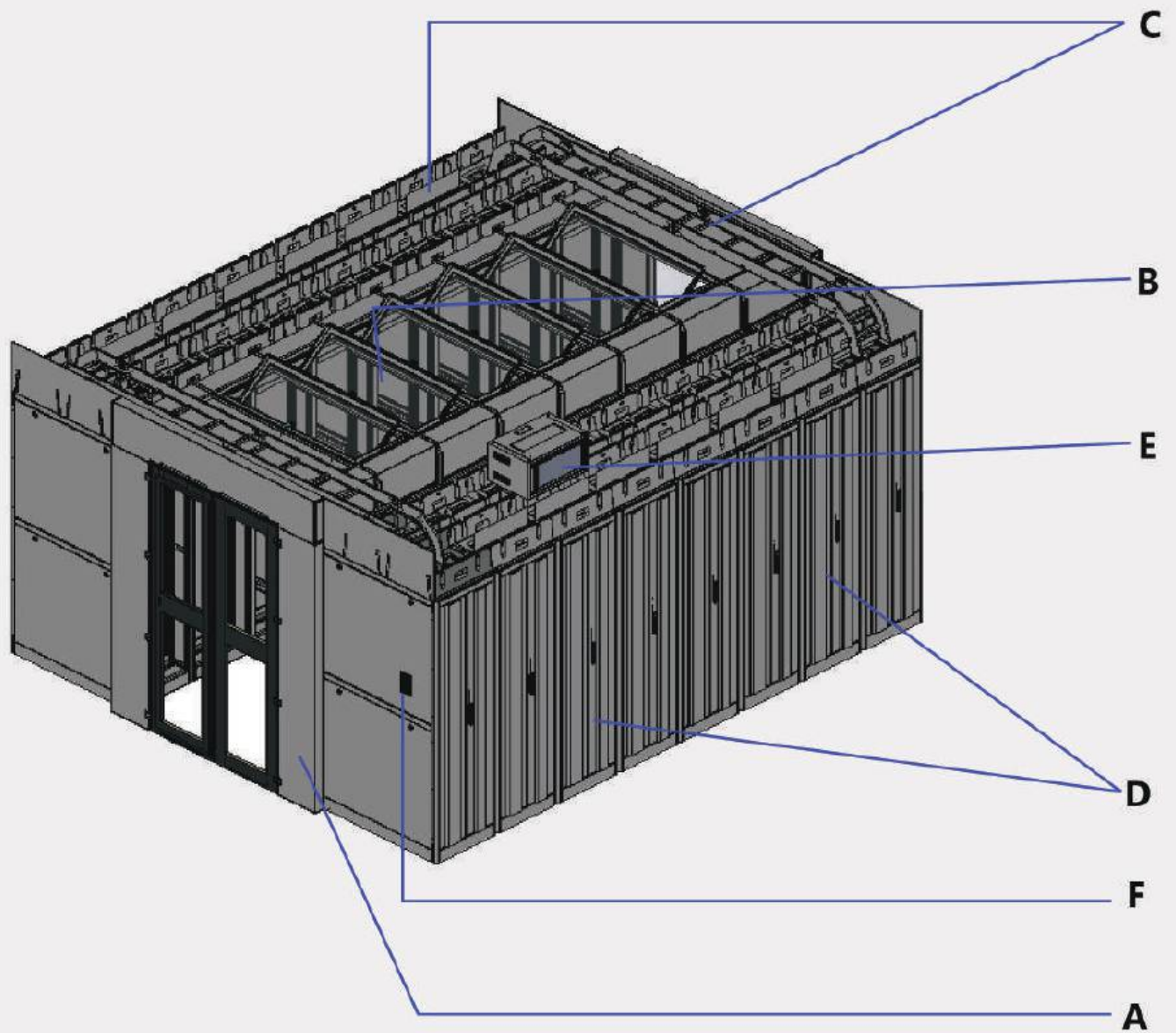
Cooling your data center correctly can reduce your energy costs considerably. Aisle Containment is the solution to challenge that data centers have faced from the very start, how to optimize the cooling and energy efficiency through optimum separation of the warm and cold airflows.





## Obtain more advantages with TIMIK containments

- Intake air (Cold) and waste air (Hot) unable to mix.
- It is possible to operate at a higher temperature level throughout the entire system.
- Cooling systems operate with maximum energy efficiency thanks to the greater difference between hot and cold air temperature.
- Modular, scalable and upgradable.
- Simple arrangement.
- An inexpensive solution for the optimum cooling of existing data centers.



- A - Containment Door Frames and Doors
- B - Containment Top Covers
- C - Containment Top Cable Managements
- D - 19" Server Racks
- E - Containment Controller and Mounting Enclosure
- F- Containment Door Access Controller

# CONTAINMENT DOOR FRAMES AND DOORS

Aisle Containment Doors and Door Frames are the most critical component of any aisle containment system. Each door has an automatic closing feature that prevents doors from being accidentally left open. Doors and Door Frames are designed as modules with many bends for maximum strength and durability. Door frames can be powder-coated in a color to match with server cabinets. Each door frame surrounds a generous clear insert to provide light and visibility into the aisle.



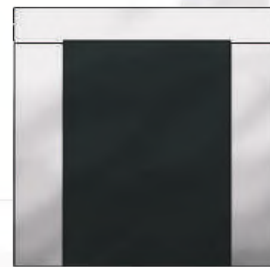
## Containment Door Frames



Sliding Door Frames



Swing Door Frames



Fixed Type Door Frames



Fixed Type Doors /Covers without Frames

## Containment Door Types



Full Glass / Perspex Door



Half Glass / Perspex Door



Full Glass / Perspex Two Section Door



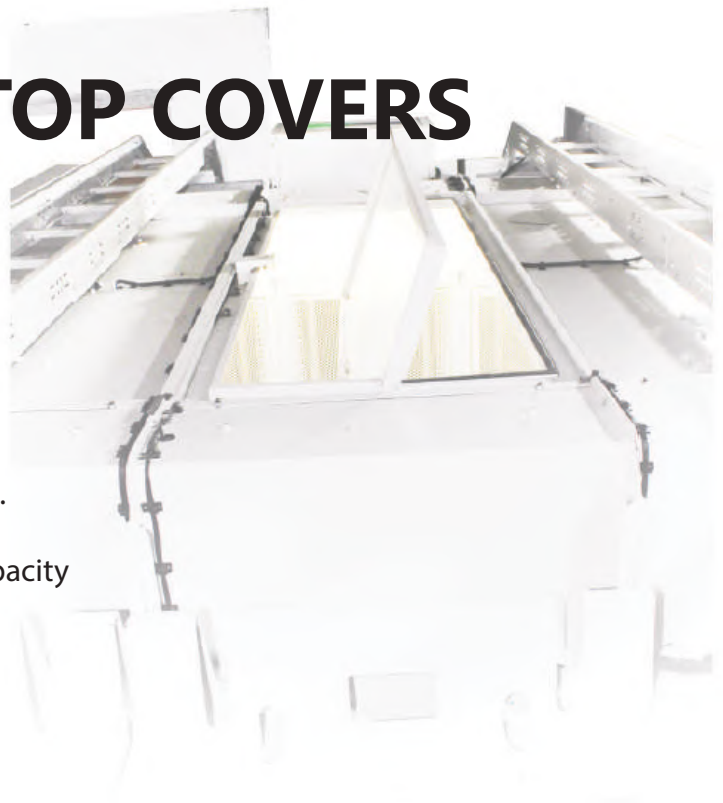
Solid Steel Door

# CONTAINMENT TOP COVERS

Quick open type top covers open automatically in the event of fire. In normal operation, the top covers are kept closed by electromagnets and open when a fire is detected by the fire detecting system.

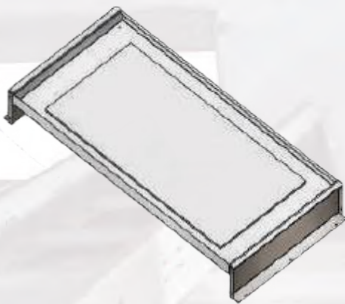
Fixed type covers are simple and easy to install. These top covers are deployable in most applications.

Extended type covers are maximizing the cooling capacity of the containment.

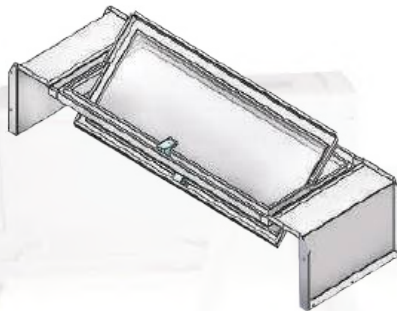


## Containment Top Covers

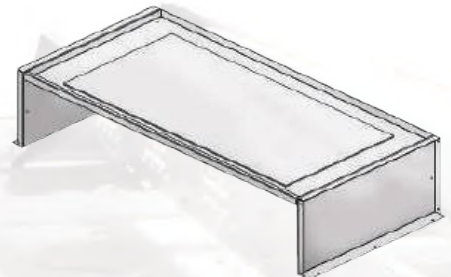
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Fixed Type Cover



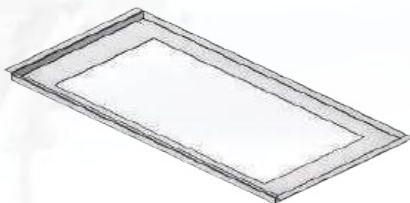
Quick Open Type Cover



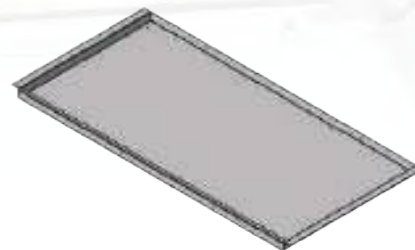
Extended Top Cover

## Containment Top Cover Types

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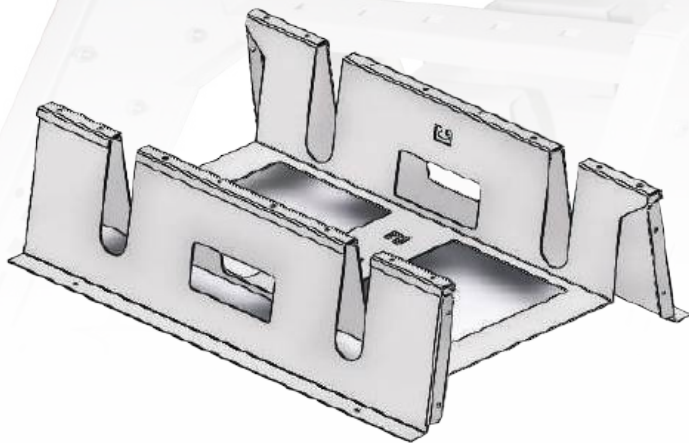
Glass / Perspex Cover



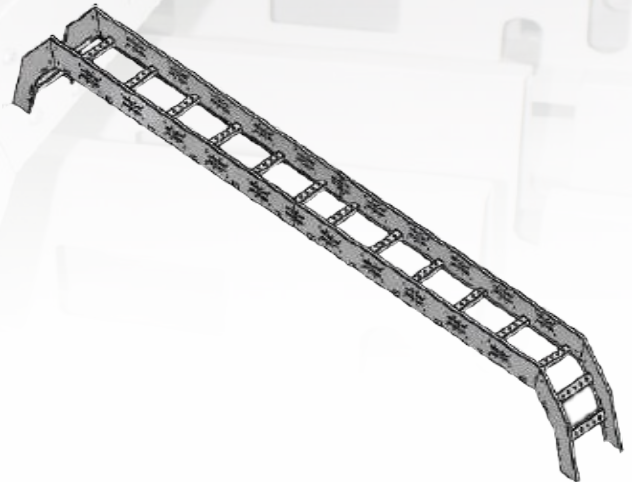
Solid Steel Cover

# CONTAINMENT CABLE MANAGERMENTS

For better organizing your cables and power cords in your containment, having the right cable management can help to increase airflow and with that the life of the equipment.



Rack Roof Level  
Cable Management Tray



Rack Roof Level  
Cross Cable Management

# CONTAINMENT SEALING PANELS AND ACCESSORIES

Air sealing panels and accessories are designed to improve the energy efficiency and air sealing performance of your data center by preventing leakage from cold AISLE.



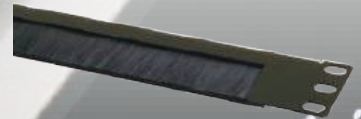
19" Horizontal  
Front Panel Clip Type  
1U/ 2U/ 3U



19" Horizontal  
Front Panel Screw Type  
1U/ 2U/ 3U



19" Horizontal  
Front Panel with  
Air Sealing Brush - Middle  
open 1U/ 2U



19" Horizontal  
Front Panel with  
Air Sealing Brush - Side  
open  
1U/ 2U



19" Horizontal Front  
Panel with Air Sealing  
Brush and Cable  
Guard  
1u/ 2u



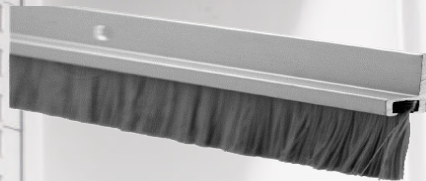
Vertical Sealing Strip Panel  
for w = 600 mm racks



Vertical Sealing Strip  
for w = 800 mm racks



Under Rack Sealing Panel



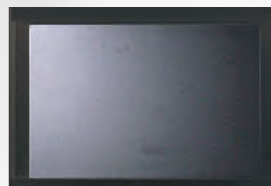
Under Rack Brush Sealing Panel



Air Sealing Panel Full Rack Space



Air Sealing Panel Adjustable Heights



Air Sealing Panel Fixed Heights



Air Sealing Tapes

# CONTAINMENT ACCESSORIES AND CONTROLLERS

All sensors and lights are controlled by the containment controller.  
Door locks provide the access security for the containment.

## Containment Door Access Controllers



Finger Print Scanner



Number Pad



Electromagnetic Lock

## Containment Lights



LED Light



## Containment Controllers, Sensors and Accessories



Containment Controller



PIR Sensor



Electromagnetic Lock  
for Top Covers

# Containment Controller



This user-oriented containment controller comes with a stable and rigid design. Automatic operation of lights in presence of motion and ability to operate LED lights by switching external 2-way I/O switches attached on the doors. This controller has the ability of provisions for one or two power sources and the capability of operating to open top covers in case of fire. The Controller can be customized as per the customer's requirement.

## Technical Specifications

TIMIK containments are manufactured according to the International Standards.

	Thickness	Material	Finish
Containment Door frames and Doors	1.5MM	EG	Powder Coated
Containment Top Covers	1.5MM	EG	Powder Coated
Containment Top Cable Management	1.5MM	EG	Powder Coated
19" Server Racks	1.5MM	EG	Powder Coated
Containment Controller mounting Enclosure	0.8MM	EG	Powder Coated

## Paint Specifications

**Color** - RAL 7035 or RAL 9005 or any other color on request.

**Type** - Epoxy polyester powder.

**Gloss Level** - Semi Gloss 50 - 70 %.

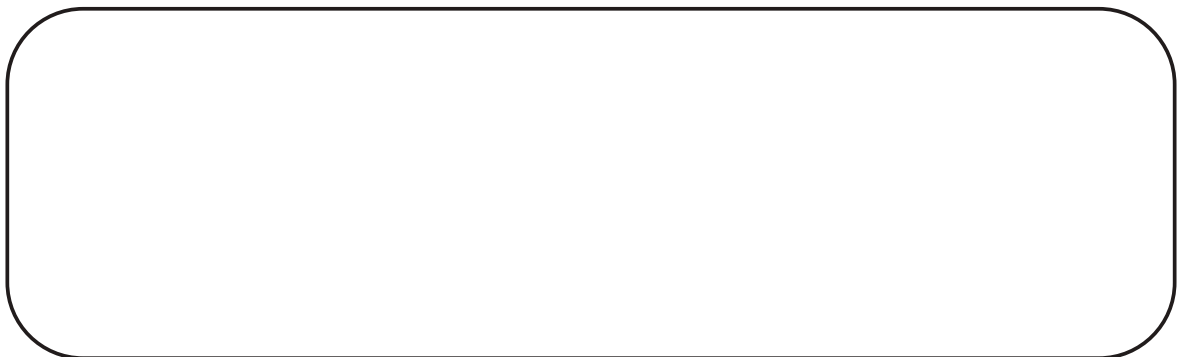
**Coating Thickness** - 60 - 80  $\mu$  , Stoved at 180<sup>0</sup>C.

**Per Treatment** - High pressure spray of water and phosphating chemicals for de - rusting and phosphating.

**Per Heating & Curing** - Electrical IR (Infra Red) heaters.



## **19" Racks & Aisle Containment Solutions**



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