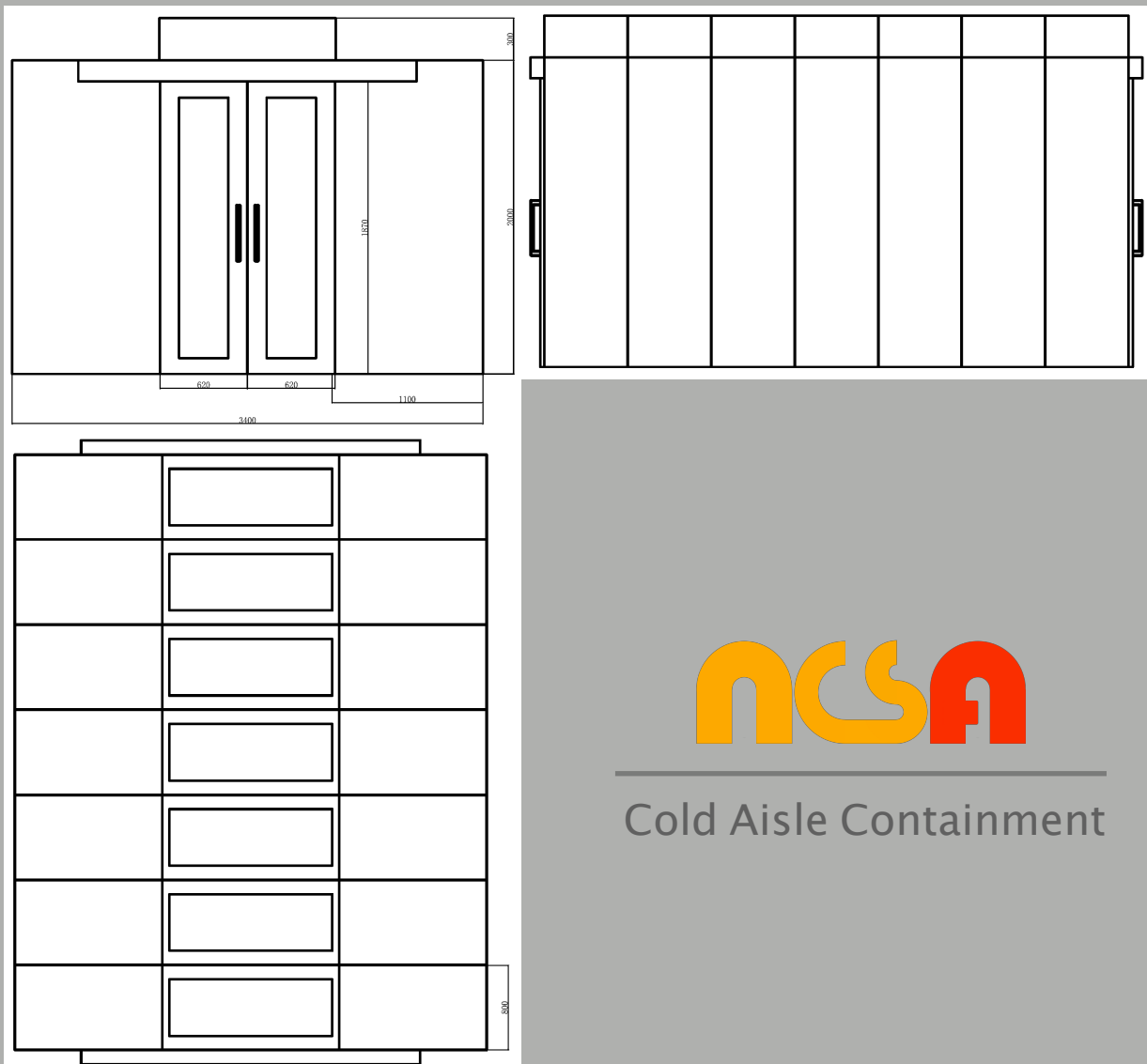# Tailor–Made Cold Aisle Containment System

NCSA Containment System is tailor-made for Advance Data Centre deployment. Together with NCSA Series Cabinet products, it creates a modular data centre with Efficiency, Energy saving, Flexible scaling, Easy management.

Cold Aisle Containment help to control the cold air flow to target equipments, in order to improve heat exchange effectiveness. With the advance Fire By-Pass system, roof window will automatically open when fire signal detected, it allows fire depression gas get into the containment in case of fire.

Automatic Passive Door System will be closed after 5 seconds of opening to avoid cold air leakage.

NCSA Cold Aisle Containment is tailor-made for NCSA Series Cabinet, NC and SC series. It has the ready to install configuration, therefore no additional modification on the cabinet for containment installation.

The system consist of two main items, Aisle Roof Cover, and Sliding Doors.

Cold Aisle Containment

Aisle Roof Cover

Made by cold-rolled steel by electrostatic spray anti-rust treatment, and 5mm tempering glass. It provide good isolation for keeping cold air in the containment.

With the Fire System Control Electro-magnetic lock window. It offers the automatic open of roof window in case of fire, which protect the data centre when fire.

Materials: cold-rolled steel
              5mm tempering glass

Finishing: Coat Painting

Colour: Black / White

Size: 600 X 1200 (for 600 width Cabinet)
              800 X 1200 (for 800 width Cabinet)

Fire Roof Cover:
For every 1.8 meters, a Fire System Control Roof Cover is equipped. It is lock by electro-magnetic system, which will be unlocked when fire system cut off the power. The Air Pressure level will push up the window without supply of electricity or any other power. Window will be opened by 40 degree angle, it will allow the fire depression gas get into the containment.

Besides, there is a testing switch for routine test of the open window mechanism.

Power Voltage: 24V

Sliding Door

Made by cold-rolled steel by electrostatic spray anti-rust treatment, and 5mm tempering glass. It provide good isolation for keeping cold air in the containment.

Door is slide to open with Automation Closing System, which will control the door to close after 5 seconds when the door was opened manually, in order to avoid open door leakage. The closing system is powered by mechanical system without electric power.

Materials: cold-rolled steel
                5mm tempering glass

Finishing: Coat Painting

Colour: Black / White

Size: 42U X 1200 (for 42U Cabinet)
                45U X 1200 (for 45U Cabinet)
                47U X 1200 (for 47U Cabinet)
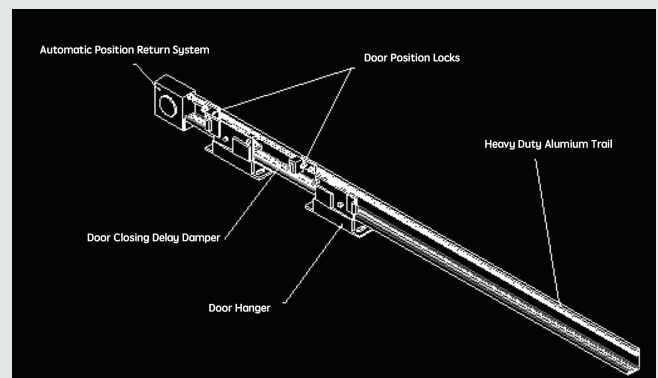
Mechanical Door Closing System:
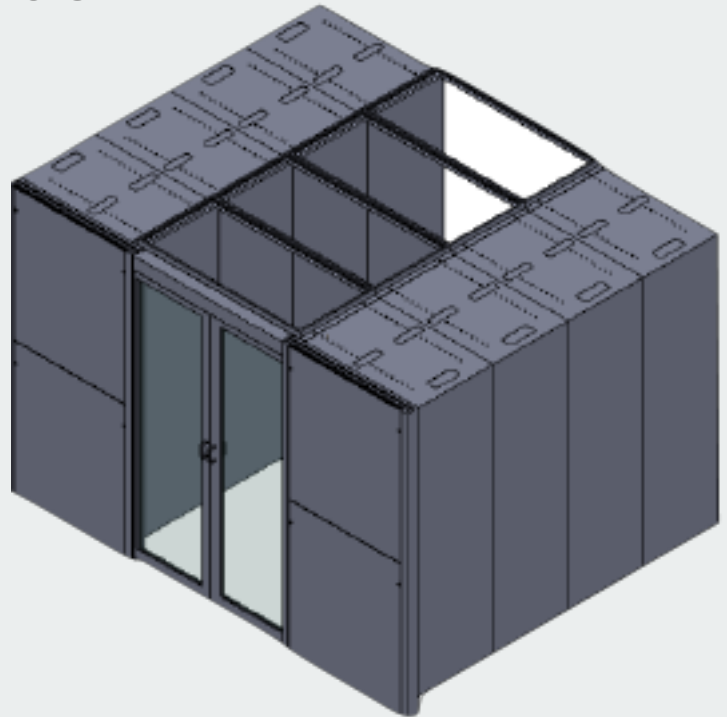The door will be closed by Power Spring and control the closing time by Mechanical Damper.

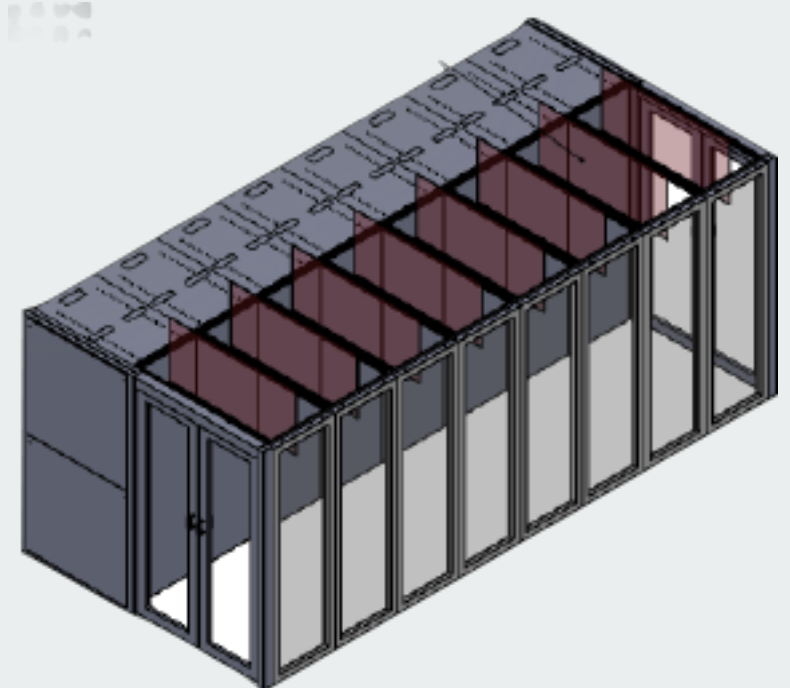**ncsa**

Cold Aisle Containment

Cold Aisle Containment

General Containment Layout Solutions

2 Rows Aisle :
one Roof Cover and 2 Row-end Doors

1 Rows Aisle :
one Roof Cover, one Side Cover, and 2 Row-end Doors

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