# Net-Contain™ Universal Aisle Containment System

## specifications

The universal aisle containment system shall be configurable to roof containment (typically used for Cold Aisle Containment) and vertical wall containment (typically used for Hot Aisle Containment). The system shall be compatible with all major cabinet brands and sizes. This system shall be a floor mounted free structure. The system shall be comprised of wall beams, end-of-row frames, dual sliding doors, and ceiling structures for roof containment or wall structures for wall containment. The system is independent of the cabinets; hence cabinets can be rolled-in/out easily. System height shall be adjustable from 42 RU to 52 RU with expandable containment length. Tool-less blanking panels shall be used to seal the area above shorter cabinets. Unoccupied cabinet space shall be sealed with full height blanking panels. The system shall be deployed on raised or slab floors. The system shall be capable of being added without disrupting existing in-cabinet equipment. This system shall match both current and future data center infrastructure.

## product offering

The universal aisle containment approach allows you to go back and reclaim stranded capacity, restore energy efficiency, and reduce or defer CapEx by retrofitting your existing data center with an innovative offering of services, containment system, and environmental monitoring.

The Net-Contain™ Universal Aisle Containment (UAC) System will be able to retro-fit in a Brownfield (existing Data Center) or Greenfield (new Data Center) application that uses Panduit or non-Panduit cabinets. Offering includes roof containment (Cold Aisle Containment) and vertical wall containment (Hot Aisle Containment).

## key features and benefits

| | |
|---|---|
| **Floor mounted, free structure** | Can be deployed in new (Greenfield) or existing (Brownfield) data center applications; cabinets can be rolled in/out of position in the aisle without disturbing the structure |
| **Height adjustable frame** | Cabinets from 42 RU to 52 RU for added flexibility |
| **Hot Aisle or Cold Aisle** | Configurable to roof containment and vertical wall containment |
| **Compatible with any brand of cabinets** | Cabinets (server, switch, or storage) from differing manufacturers with differing heights, widths, and depths can be contained |
| **Full or partial pod** | Able to deploy containment if fully populated or partial/non-populated row |
| **Raised or slab floor** | Allows deployment in any type of data center |
| **Expandable pod length** | Frame support is configurable to accommodate different containment lengths; one containment system to match both your current and future containment infrastructure |
| **Tool-less full or top of cabinet blanking panels** | To seal unoccupied cabinet space in the containment. To seal top of cabinet gap between frame and cabinet |
| **Flexible design** | To accommodate building columns within containment space |

## applications

The Net-Contain™ Universal Aisle Containment (UAC) System will be able to retrofit in a Brownfield (existing Data Center) or Greenfield (new Data Center) application that uses Panduit or non-Panduit cabinets. Offering includes roof containment (typically used for Cold Aisle Containment) and vertical wall containment (typically used for Hot Aisle Containment).This is an independent containment system that accommodates any manufacturer cabinets of varying heights and widths.

It can be deployed in a full or partial row. Cabinets can be rolled in and out of position without disturbing the structure. This passive system contains no moving parts, resulting in a more energy efficient solution than comparable forced-air options.

### Net-Contain™ Universal Aisle Containment System

**Roof and Vertical Wall**

| | |
|---|---|
| **Mid-Span Cabinet Support:** | CUCMSS03ST01NC |
| | CUCMSS06ST01NC |
| **Mid-Span Post:** | CUSMPR52ST01B1 |

**Roof Containment**

| | |
|---|---|
| **EOR Frame – 3 ft. (900mm) Aisle Width:** | CUSREFRT8B1 |
| | CUSREFRT9B1 |
| | CUEFRCKITB1 |
| **EOR Frame – 4 ft. (1200mm) Aisle Width:** | CUEFRT8W04B1 |
| | CUEFRT9W04B1 |
| **EOR Frame – 6 ft. (1800mm) Aisle Width:** | CUEFRT8W06B1 |
| | CUEFRT9W06B1 |

**Vertical Wall Containment**

| | |
|---|---|
| **EOR Frame – 3 ft. (900mm) Aisle Width:** | CUSREFRT8B1 |
| | CUSREFRT9B1 |
| | CUEFRCKITB1 |
| **EOR Frame – 4 ft. (1200mm) Aisle Width** | CUEFRT8W04B1 |
| | CUEFRT9W04B1 |

**Roof and Vertical Wall**

| | |
|---|---|
| **Full Height Balnking Panels** | CUFBPR4206HBB1 |
| | CUFBPR4506HBB1 |
| | CUFBPR4806HBB1 |
| | CUFBPR5206HBB1 |
| **Top of Cabinet Blanking Panels:** | CUTBPR0610HBN1 |

**Roof Containment**

| | |
|---|---|
| **Roof Section – 3 ft. (900mm) Aisle Width:** | CUSRRFS06B1 |
| | CUSRRFS07B1 |
| | CUSRRFS08B1 |
| **Roof Section – 4 ft. (1200mm)Aisle Width:** | CURFS06F04HBB1 |
| | CURFS07F04HBB1 |
| | CURFS08F04HBB1 |
| **Roof Section – 6 ft. (1800mm) Aisle Width:** | CURFS06F06HBB1 |
| | CURFS07F06HBB1 |
| | CURFS08F06HBB1 |

**Vertical Wall Containment**

| | |
|---|---|
| **Vertical Wall Adapters:** | CUSRVWA06B1 |
| | CUSRVWA07B1 |
| | CUSRVWA08B1 |
| | CUVWA06S06STB1 |
| | CUVWA07S07STB1 |
| | CUVWA08S08STB1 |
| **Vertical Wall Brace:** | CUSRVWBB1 |
| | CUVWB12S12STB1 |

**Roof and Vertical Wall**

| | |
|---|---|
| **Wall Beam in pairs:** | CUWBPS06ST02B1 |
| | CUWBPS07ST02B1 |
| | CUWBPS08ST02B1 |
| | CUWBPS24ST02B1 |
| **Wall Beam- single:** | CUWBSS06ST01B1 |
| | CUWBSS07ST01B1 |
| | CUWBSS08ST01B1 |
| | CUWBSS24ST01B1 |
| **Double Sliding Door:** | CUD2SDB1 |
| | CUD1SDB1 |
| **Single Sliding Door:** | CUSR1SDRHB1 |
| | CUSR1SDLHB1 |

**Vertical Wall Containment**

| | |
|---|---|
| **Vertical Wall:** | C2HAC06I1626B1 |
| | C2HAC07I1626B1 |
| | C2HAC08I1626B1 |
| | C2HAC06I2638B1 |
| | C2HAC07I2638B1 |
| | C2HAC08I2638B1 |
| | C2HAC06I3866B1 |
| | C2HAC07I3866B1 |
| | C2HAC08I3866B1 |
| **EOR Vertical Wall:** | CUSRVWER1626B1 |
| | CUSRVWER2638B1 |
| | CUSRVWER3866B1 |
| | C2HACERI1626B1 |
| | C2HACERI2638B1 |
| | C2HACERI3866B1 |

**Roof and Vertical Wall**

| | |
|---|---|
| **Cabinet to Floor Seal:** | CUCFS06B1 |
| | CUCFS07B1 |
| | CUCFS08B1 |
| | CUCFS10B1 |
| **Building Column Adapter:** | CUCAKITB1 |

# Net-Contain™ Universal Aisle Containment System

## product offering

**Information required and available options to configure
Universal Aisle Containment:**

- Width of the containment aisle – 900mm, 1200mm, and 1800mm
- Height of containment aisle – 42/45 RU, or 48/52 RU
- End-of-Row frame – 42/45 RU, or 48/52 RU
- Length of the aisle – unlimited, every 100mm increments
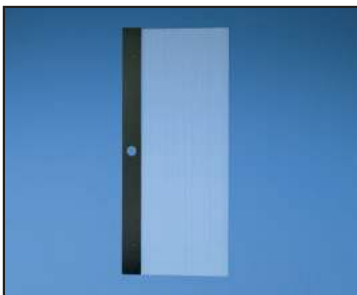  (wall beams: 600mm, 700mm, 800mm, 2400mm)



**End of Row Frame (two per System)**



**Sliding Doors**

**For Roof Containment:**

- Based on aisle width, decide ceiling structures –
  600mm, 700mm, 800mm
- Based on height of the containment, and width of the aisle,
  decide End-of-Row frame for roofing – (42/45RU and 48/52RU –
  1200mm, 1800mm)



**Roofing Sections**

## product offering (continued)

### For Vertical Walls Containment:

- Based on room height, containment height, aisle length, decide vertical walls
  (width: 600mm, 700mm, 800mm) (Height: 16' – 26', 26' – 38', 38' – 66')
- Based on vertical wall size, decide vertical wall adapter –
  600mm, 700mm, 800mm
- Based on vertical wall size, decide end of row adjustable vertical wall –
  16 '– 26', 26' – 38', 38' – 66'
- Determine number of vertical wall braces (1 required for every 2400mm length)
- Depending on height of the containment, and width of the aisle, decide end-of-row
  frame for vertical walls – (42/45 RU or 48/52 RU)



**Vertical Wall Adapter**
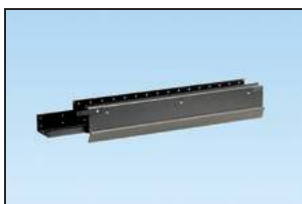


**Single and Set of Two Wall Beams**

### Accessories:

- In absence of cabinets, use full blanking panel to fill the empty space –
  600mm x 42 RU, 45 RU, 48 RU, or 52 RU
- To fill the gap between cabinet and frame use top of cabinet blanking panel
- Mid-Span Post – required for every 2400mm length on partial populated row
- Mid-Span Cabinet Support – required for every 2400mm length on fully populated containment
- Cabinet to floor seal
- End of Row floor seal
- SmartZone™ Solutions (optional)



**Full Length Blanking Panel**



**Top of Cabinet Blanking Panel**



**Mid-Span Post**



**Mid-Span Cabinet Support**

**For more information**

**Visit us at www.panduit.com**

Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

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