Bergvik Flooring

With over forty years of experience (company fonder 1970) as a raised access floor manufacturer, Bergvik is a trusted leader in new, innovative design solutions with strong focus to solve problems for the end user clients. With happy customers in over 100 countries, Bergvik manufactures the only self-supporting raised floor substructure in N. America with unrivaled flexibility and strength. Bergvik is also the only raised floor manufacturer which produces independent Seismic bracing frames for zone 2-4 used in Data Centers, Electrical rooms and Telecom Core sites.

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floors on a higher level

Bergvik Flooring

- Company founded 1970
- Local presence on four continents
- U.S. HQ in Maryland
- Production in Sweden, South Africa & USA
- Capacity 28000 sf per day (6.7 million sf/yr)
- Global partner w. Ericsson since 1993
- Installed base in over 100 countries
- Modular Seismic Bracing program

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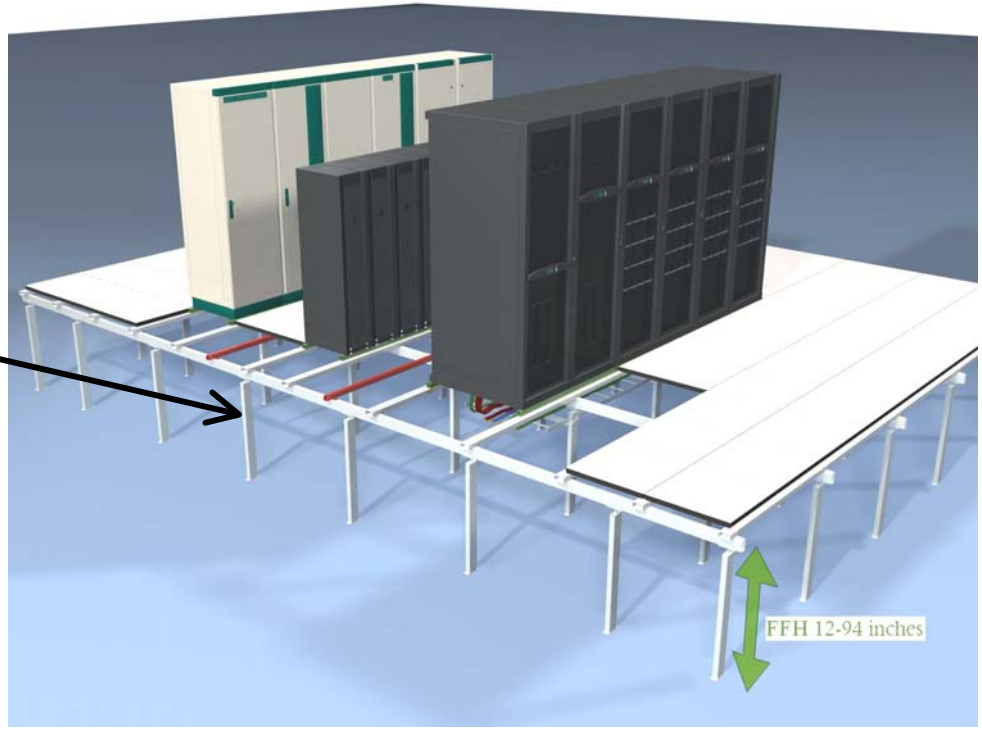
Iso Floor

Sub-structure

- Floor height up to 7’-10” with standard sub-structure
- No connection between panels and pedestals, therefore no costly bridging needed.
- Fully stable sub-structure even when all floor Panels are removed.
- Can be installed in two mobilizations due to self-supporting steel sub-structure.



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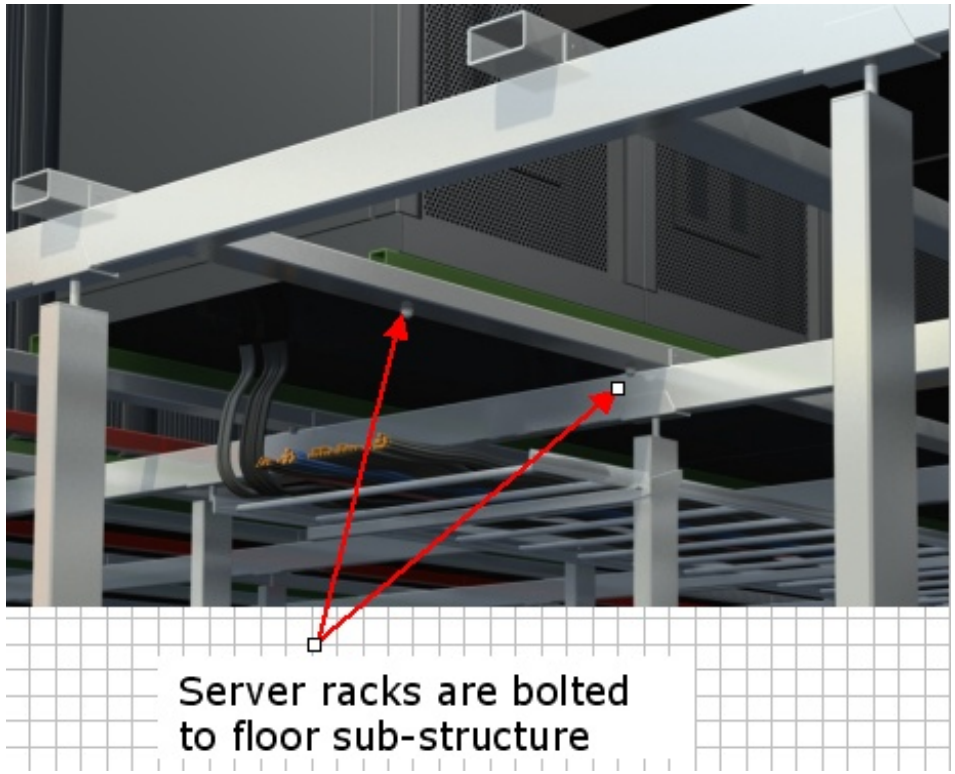
Iso Floor

Sub-structure

- With the beefy Iso Floor sub-structure, you simply tie down the Cabinets and Racks directly to the frame work.
- **No costly threaded rods needed!!!**



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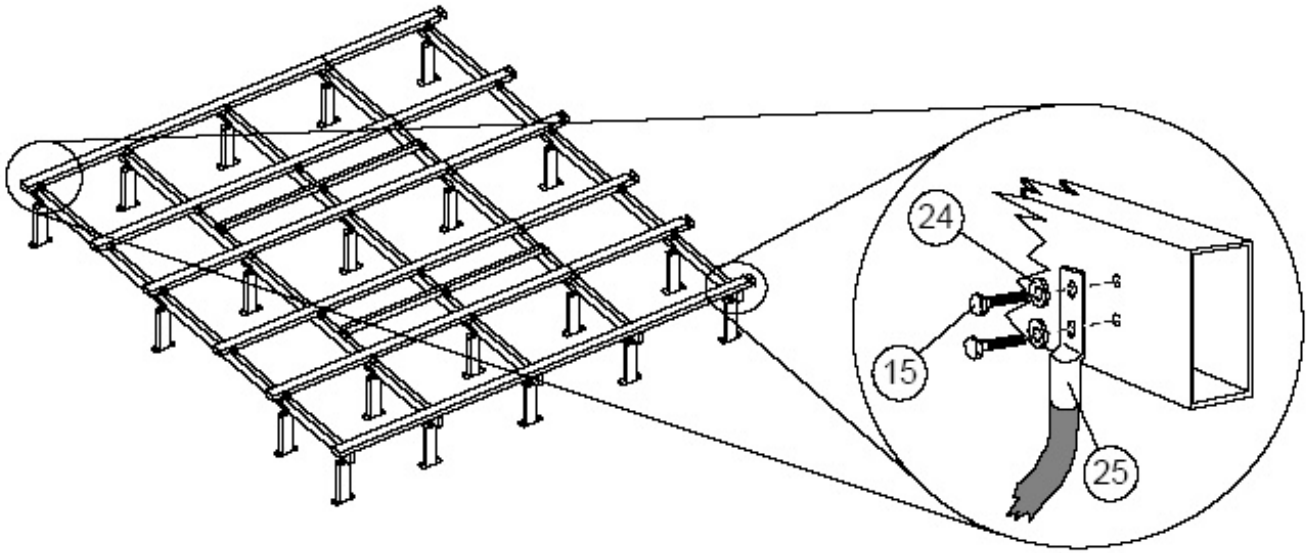
Iso Floor

Sub-structure

- Only 2 grounding lug points diagonally per room are needed to provide a high potential to the main ground bar.



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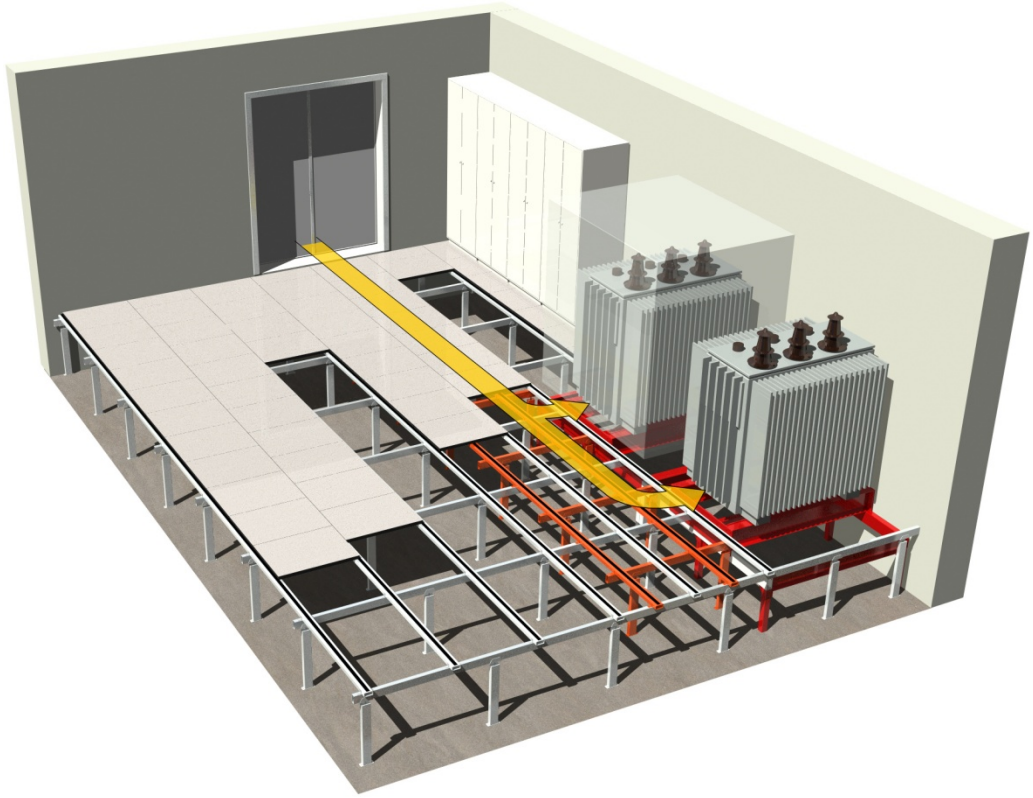
Iso Floor

Heavy equipment

- All heavy equipment can be supported directly to the solid sub-structure by just adding additional pedestal and beam sections, if needed.
- No expensive separate stands are needed to support CRAC and UPS equipment.



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Iso Floor

Cable managemnet

- Up to 47 inches spacing between pedestals, providing *70%* fewer pedestals than with conventional floors.
- Cable ladder brackets are integrated with pedestal supports.
- Better airflow in the plenum due to optimized cable management.

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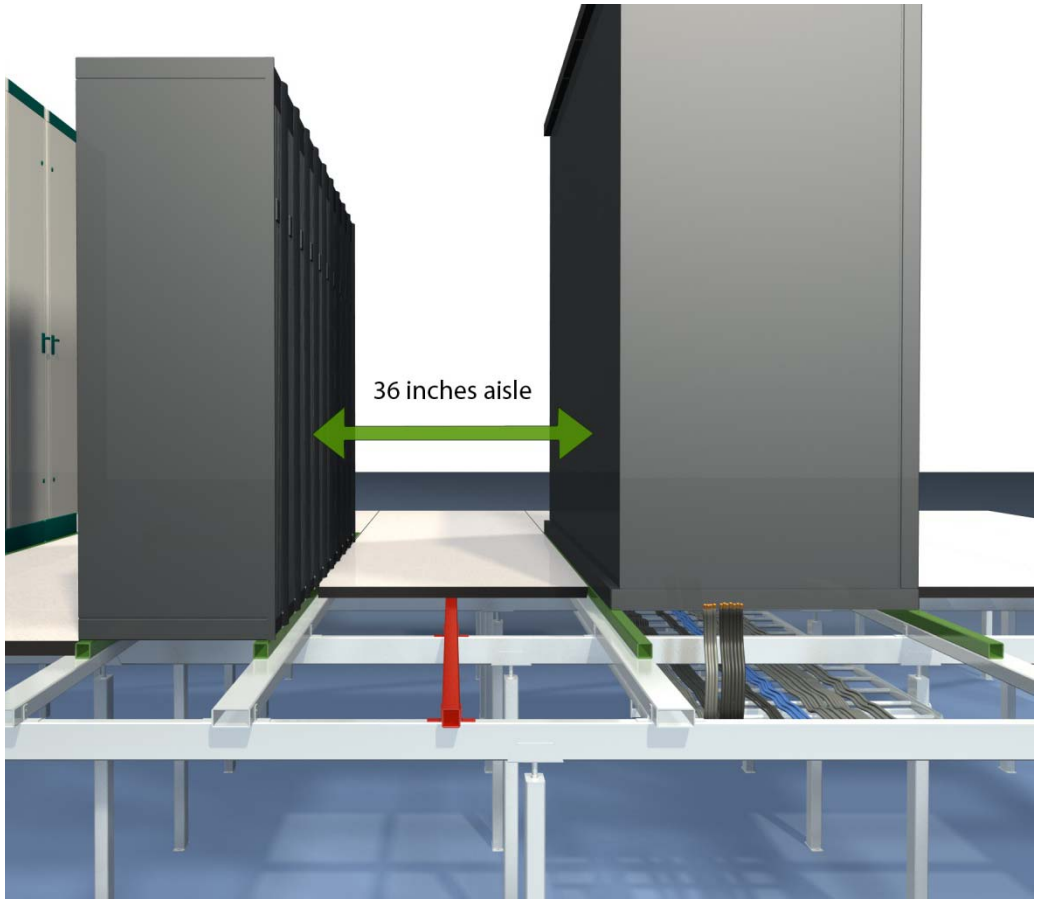
Iso Floor

Server rack density

- Multi-size Panel sizes provide optimized Server Rack layout to improve ROI.
- Up to 20% more server racks on the same floor space.
- Fully accessible 36” cold and hot aisles, without any locked down panels.



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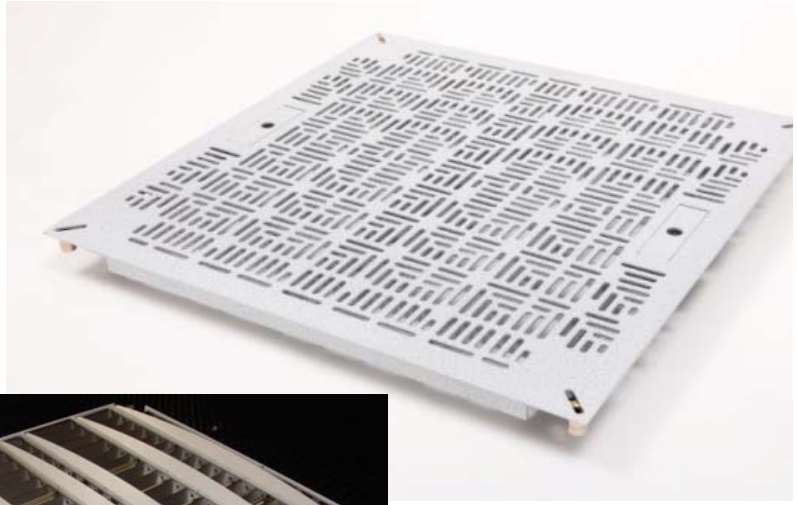
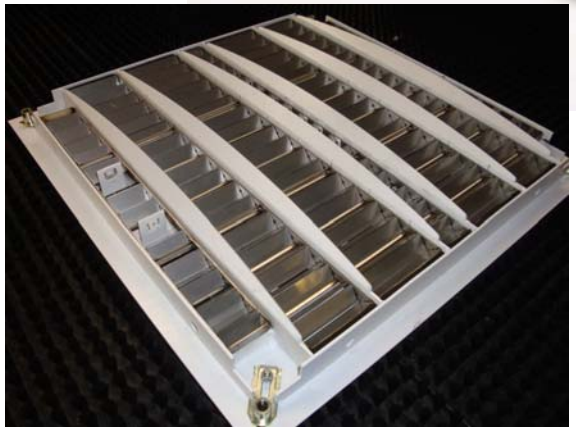
Iso Floor

Triad / Cooling

- Patented Panel design with high-plume fins providing superior stratification of cold air to the upper Servers, greatly reducing Hot-Spots.



- Allows for higher set-point temperature at CRAC unit which lowers the cooling cost by up to 40%.



- The panel is available in both 24 and 36 inch widths. Also available with embedded damper.

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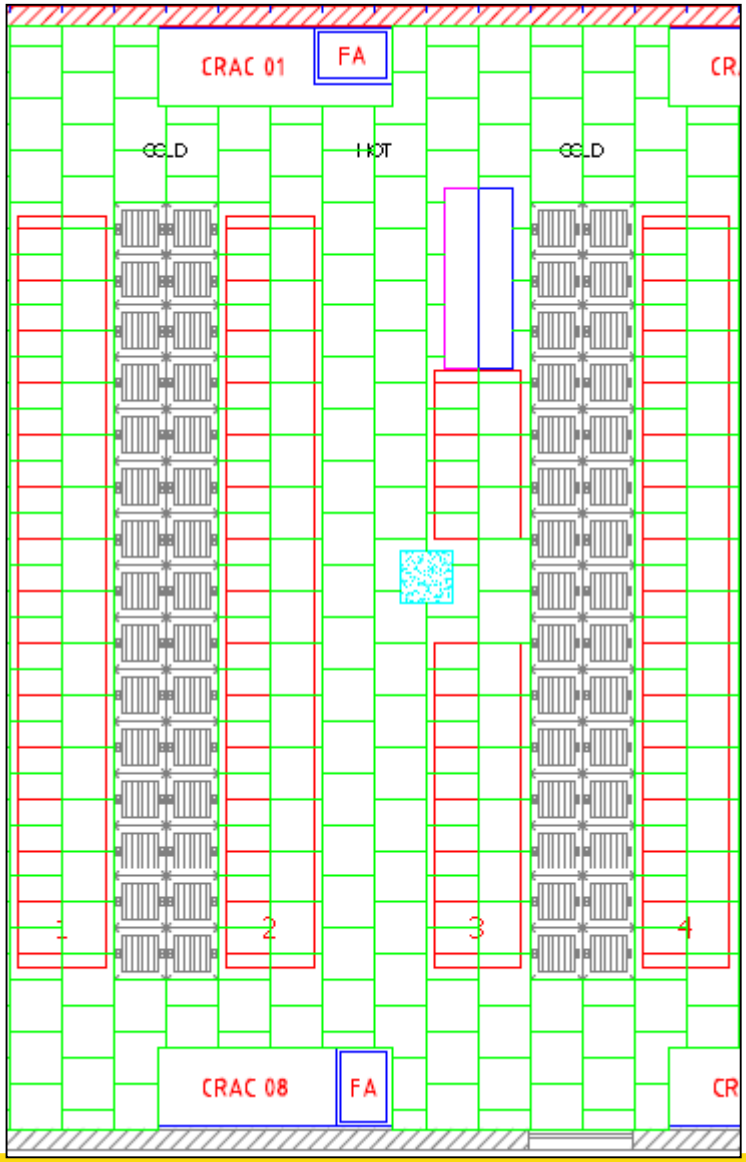
Standard data center layout



Data Center 6000 sf

Rack depth up to 48”
Cold aisle: 48”
Hot aisle: 48”

Space for 252 Server racks with standard 24”x 24” floor panels incl Airflow Panels.

D.C. Construction cost $ 30,000 per Rack.

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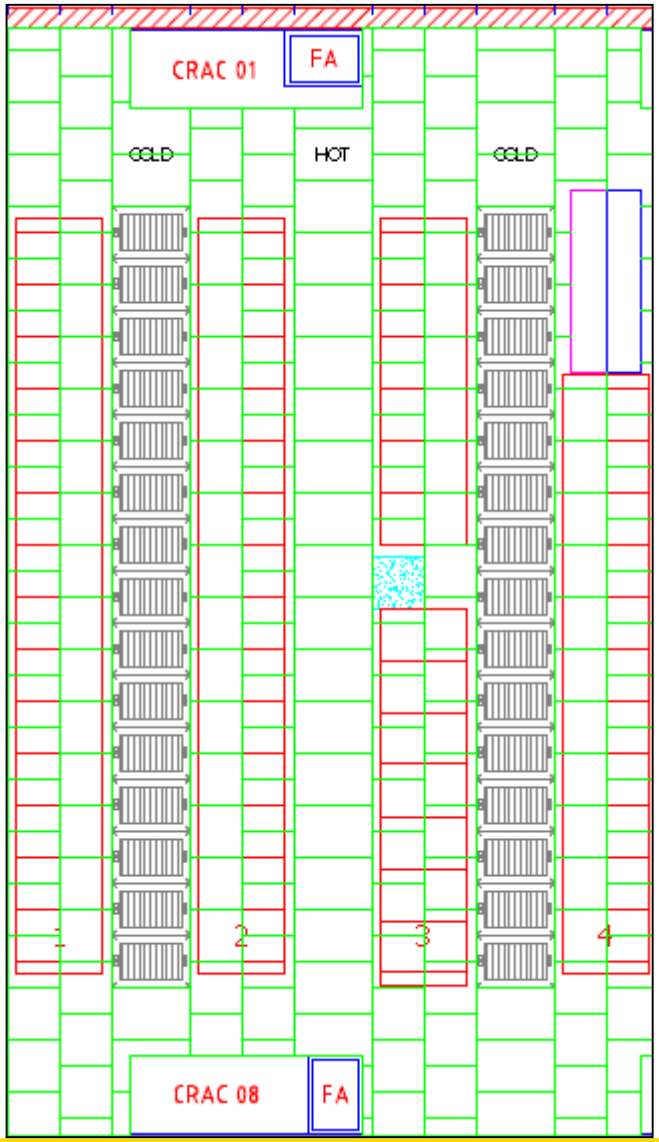
Optimized data center layout



Data Center 6000 sf

Rack depth up to 48”
Cold aisle: 36”
Hot aisle: 36”

Space for 280 Server racks with 24”x24” floor panels under Racks and 24”x36” Airflow Panels in all cold aisles and 24”x36” solid panels in all hot aisles.

D.C. Construction cost $ 21,900 per Rack.

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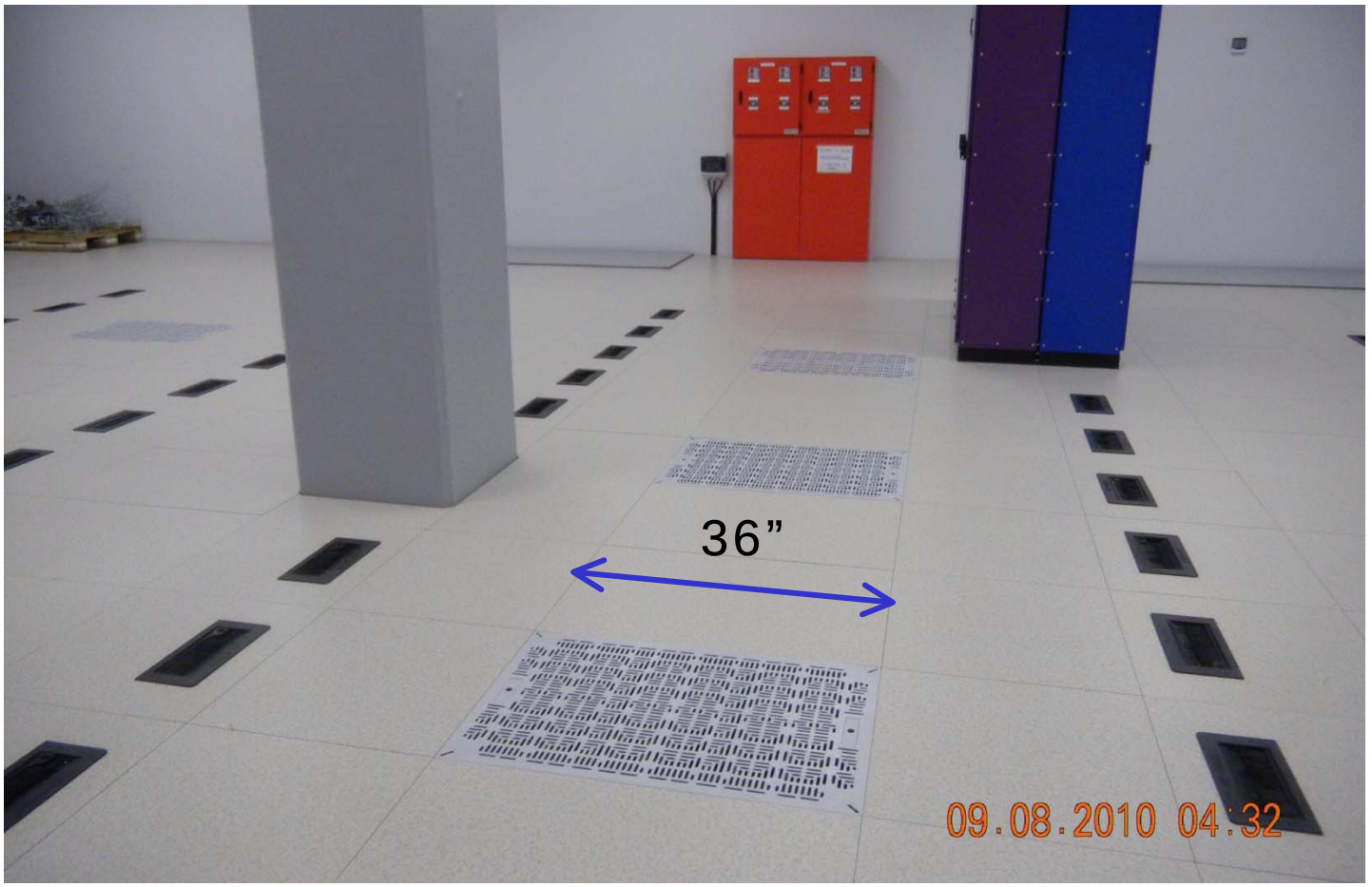
Optimized data center layout



Tata Comm Data Center in South Africa with 36” cold aisle

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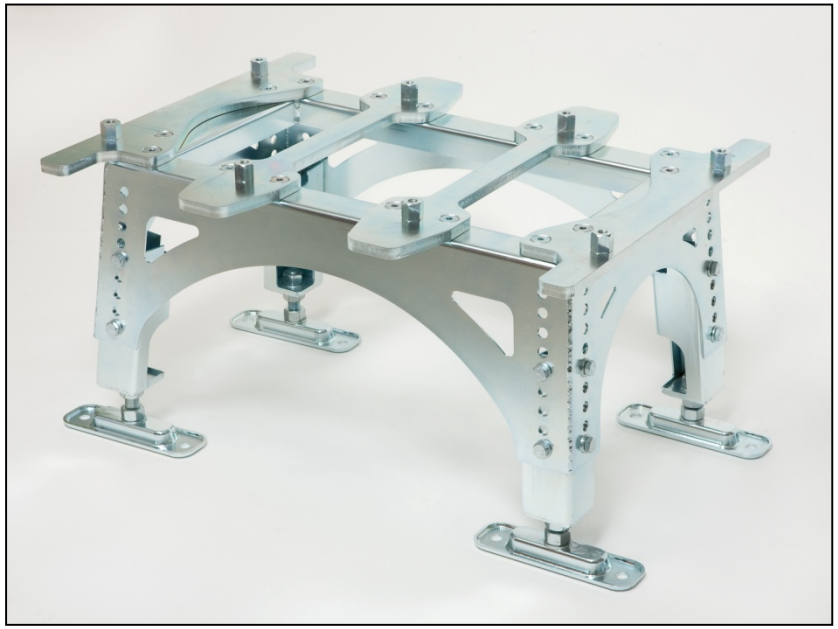
Seismic Bracing

- Separate frames to secure racks individually
- Tested and approved according to the NEBS GR 64 & GR 2930 CORE.
- Easy installation due to flexible construction
- Adaptable to most rack enclosures.



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Iso Floor

Reference Installation

- Internap in Boston.
- CRAC unit supported directly on floor sub-structure, no separate equipment stand needed.

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Iso Floor

Reference Installation

- AT&T in Minneapolis.

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Iso Floor

Reference Installation

- Vodafone Data Center, Midrand, South Africa

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Iso Floor

And the environment

- Zero waste to landfill policy.
- Factory run with green electricity (hydro, wind and bio fuel).
- Fully recyclable materials
- Up to 30 year life span.
- Forest Stewardship Council (FSC) requirements towards all suppliers.

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