



Structural HACS & Arterial Support Systems Brochure

Floor Supported Structural HAC,
Cable Tray, and Busway



One Frame, Every Overhead Need

Polargy's Structural HAC marries high-capacity steel framing with optional FlexRail containment, giving builders a single, floor-supported backbone for hot-aisle containment, cable trays, and busway runs. It's engineered, preassembled, and ready to adapt to real-world site conditions – so crews spend less time fabricating and more time closing out the project.

Built for the Field

What Matters on Site

Fast Track Install

Uneven Floors, Penetrations

Containment Height Mismatch

Heavy Overhead Loads

How Structural HACs Deliver

Preassembled frame elements and intuitive connections speed assembly.

Optional field-adjustable panels handle elevation changes and cutouts without re-work.

FlexRail caps the steel frame yet stretches containment up to the target elevation.

Wide load-capacity range supports trays, busway, and HAC panels – all on the same frame.

Custom-Engineered to Your Specs

- Structural base design sized to project-specific height, width, and length.
- Arterial support & trapezing options for complex cable or busway layouts.
- FlexRail containment adapts when steel can't reach final elevation.

Polargy Project Support

- Technical Support Manager on site to guide the crew and troubleshoot.
- Rapid submittal drawings keep the approval cycle tight.
- Stamped structural calculations delivered by Polargy for AHJ review.

At **Polargy**, we design and manufacture configurable structural data center solutions for the world's most advanced technology companies. Our speed, long-lasting performance, and savings reduce the time in design and construction, ensure energy efficiency, and create operational efficiencies.

Structural HACs give you a single, robust frame that carries containment and critical pathways without tying into the roof structure – ideal for sites with height limits or seismic constraints.

Need an engineered backbone that installs fast and adapts to tough conditions? Talk to us for load tables, layout assistance, and straight answers on lead times.



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