



GORDON USA DATA CENTERS



GORDON DATA CENTER CEILING SYSTEM

The data center ceiling is an important design element. The **Gordon ceiling system** is built and designed to meet the critical requirements needed for a data center.

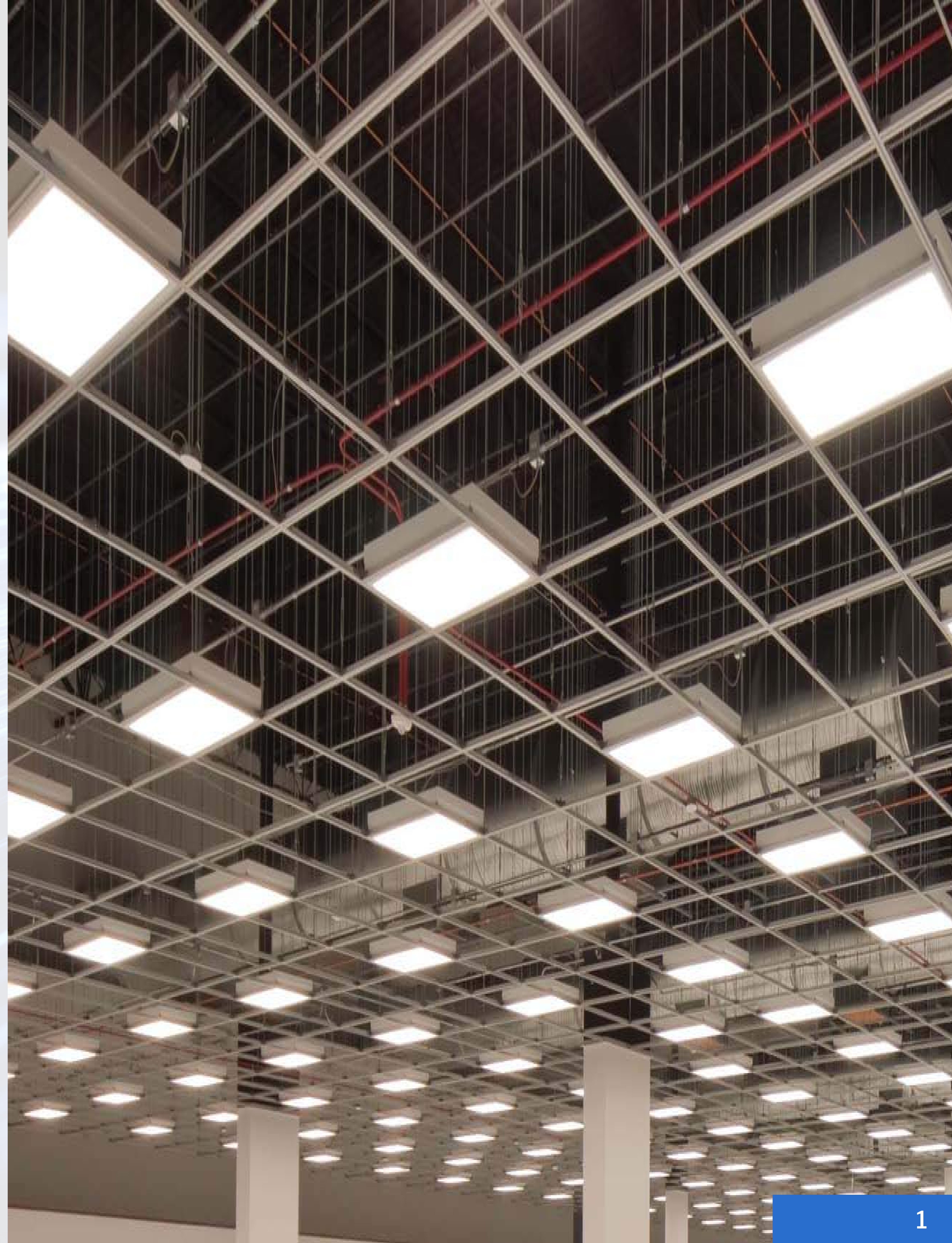
System advantages:

Serves the dual purpose of both drop ceiling and structural support grid for overhead utility distribution.

Provides an attachment or suspension platform for containment barriers, partitions, or surface mounted equipment.

Greater installation and routing flexibility of distribution systems and partitions.

Totally accessible overhead suspension allows for simple expansion, upgrade or distribution system changes.





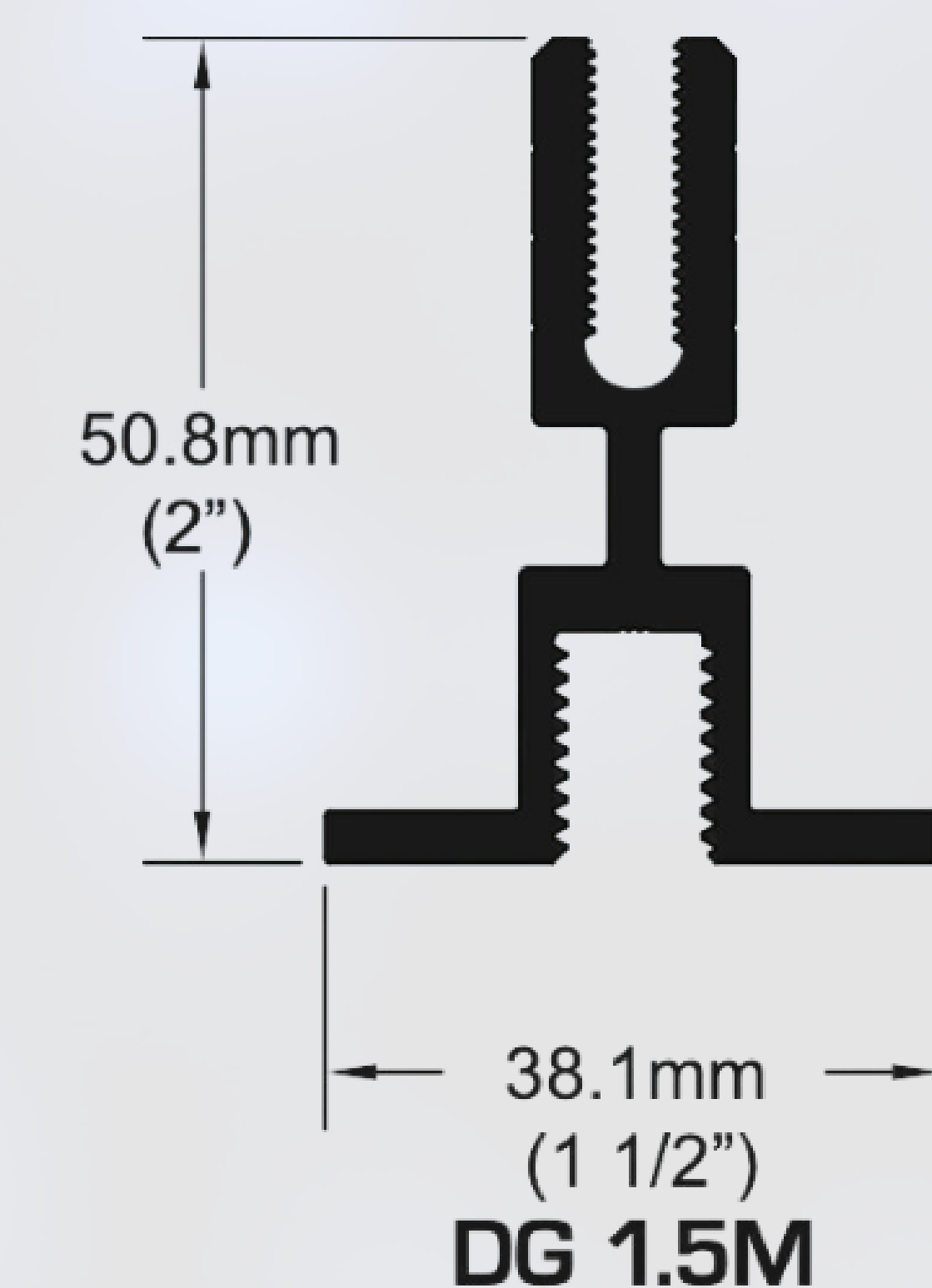
Reduces the amount of interstitial support steel by up to 50%

Eliminates the need to have both strut grids for overhead distribution suspension and acoustical drop ceiling tile.

No drop ceiling penetrations means no harmful debris that can damage electronic equipment.

Ceiling components are non-progressive and removable, without compromising the structural integrity of the installed ceiling grid.

**DG 1.5 HEAVY LOAD
CEILING SUSPENSION**





GORDON CEILING SUSPENSION

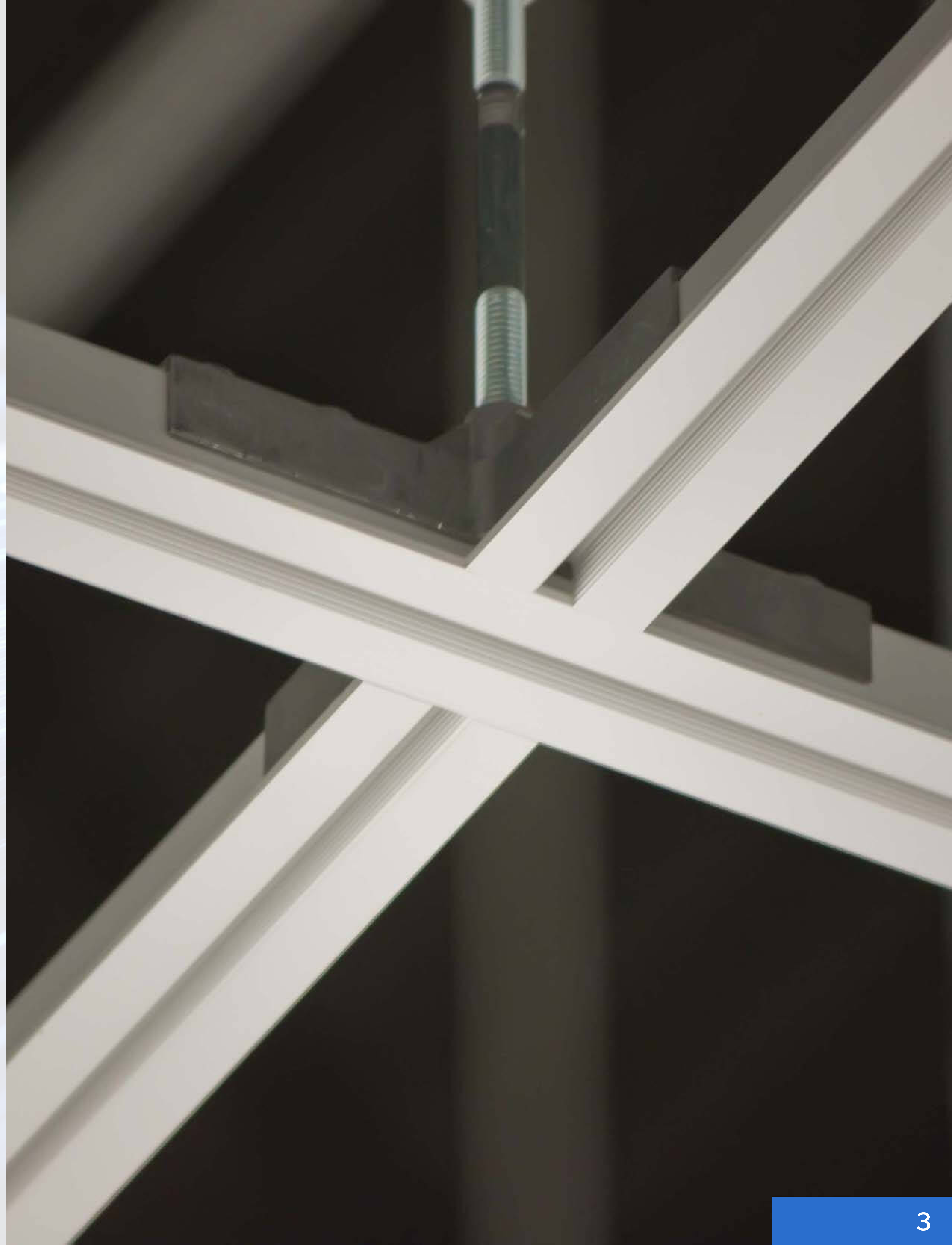
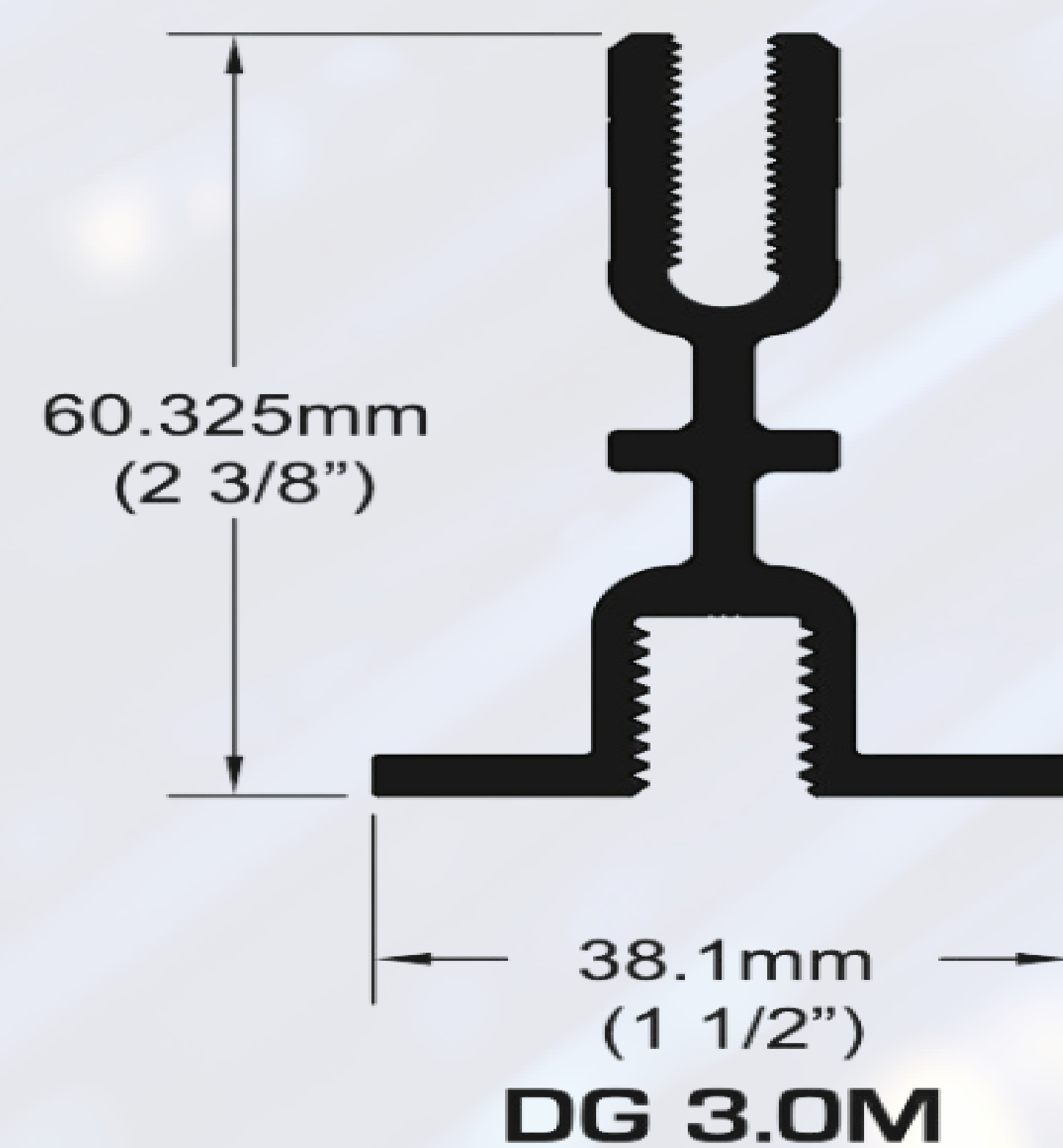
Load Bearing Design - The DG ceiling suspension is engineered to support direct suspension of overhead cable distribution and containment barriers.

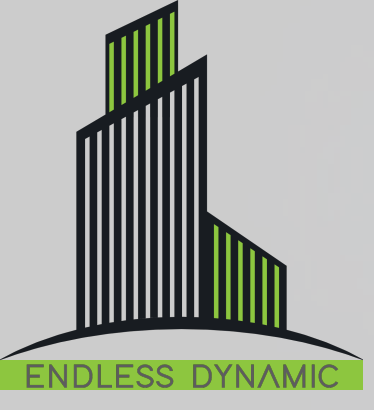
All extrusions have a continuous M-10 thread boss for attachment and/or suspension at any location

Die cast intersection connectors join the extruded aluminum grid members and provide an attachment point for 1200mm x 1200mm suspension from building structure

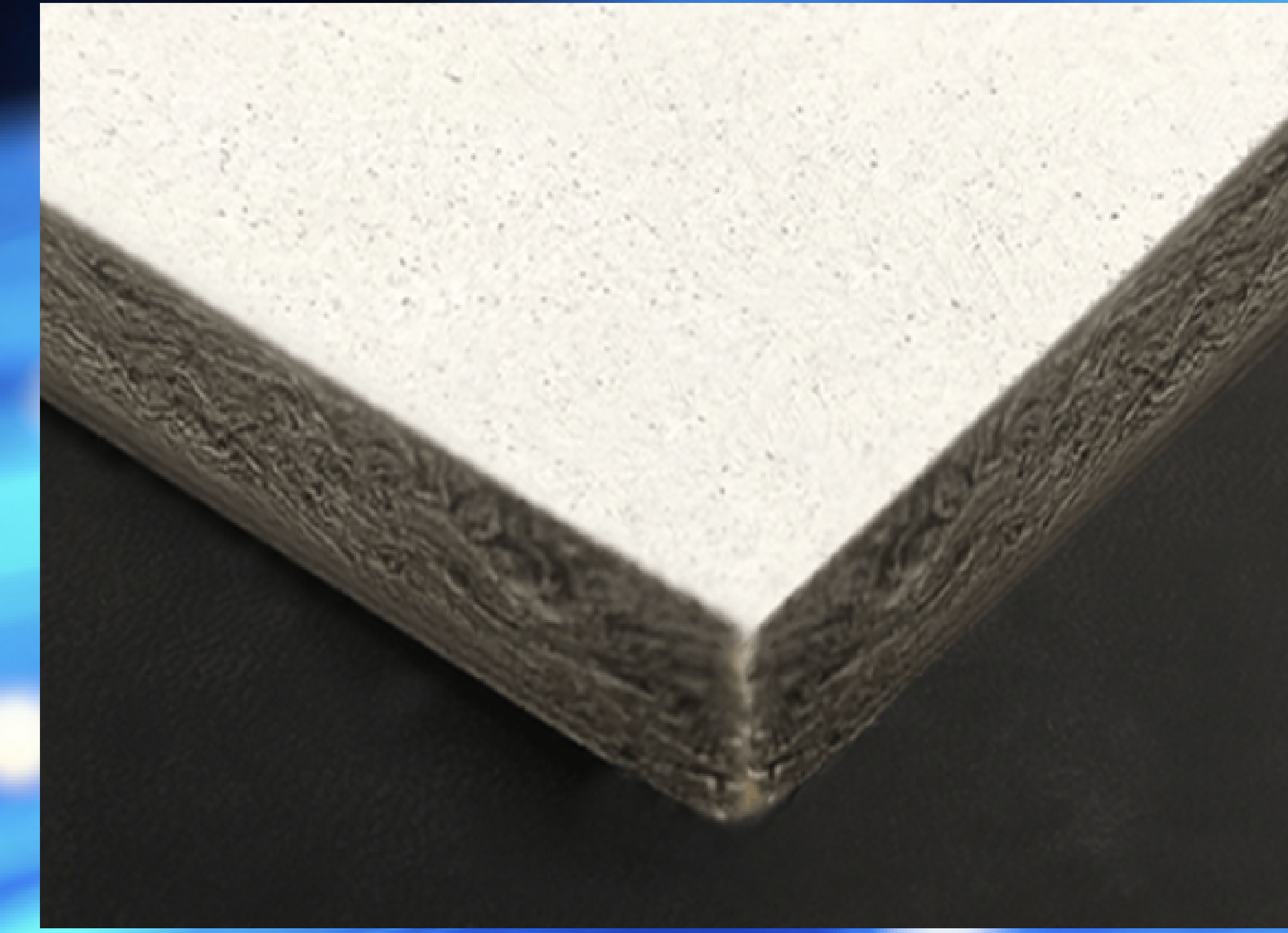
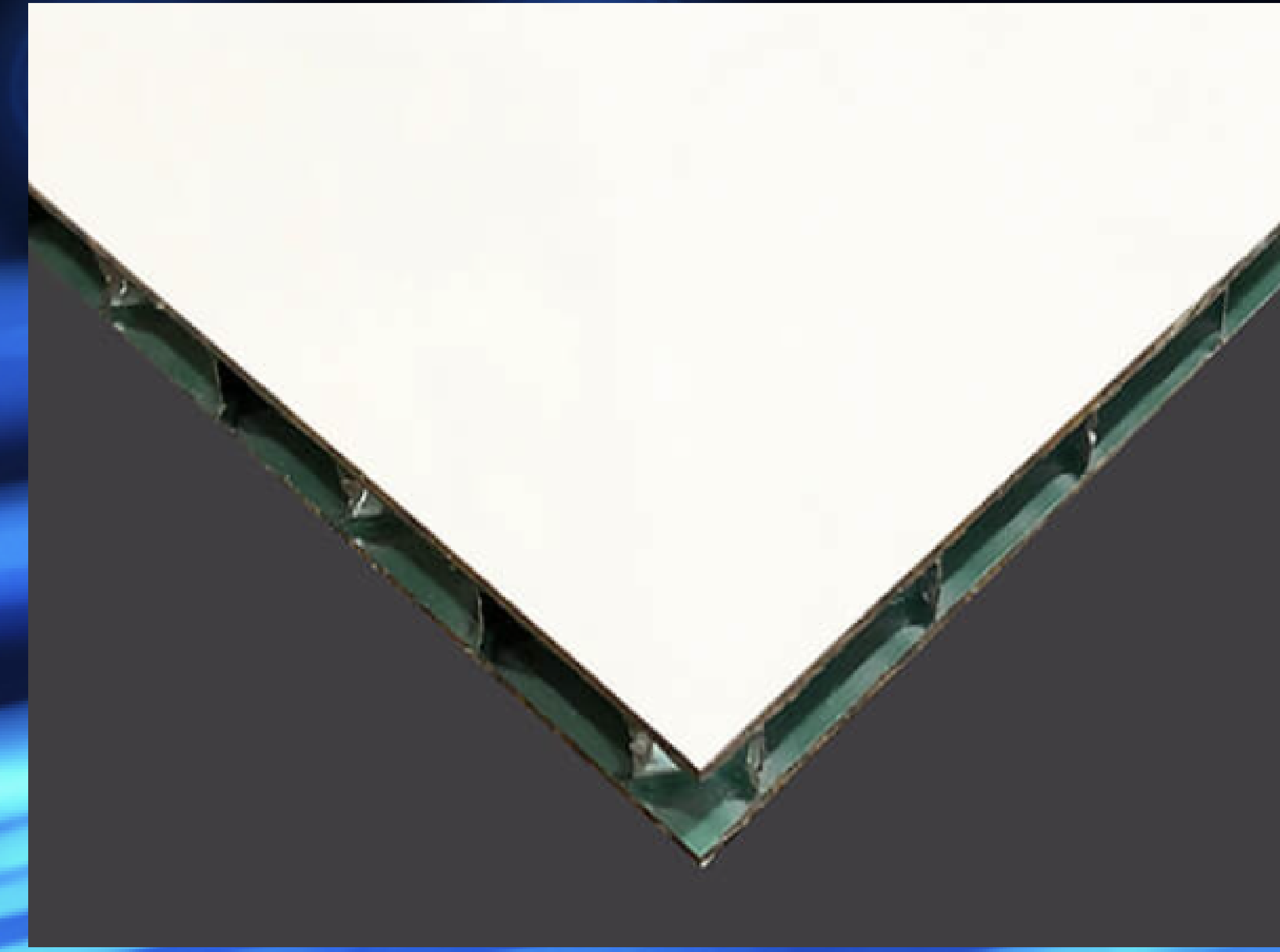
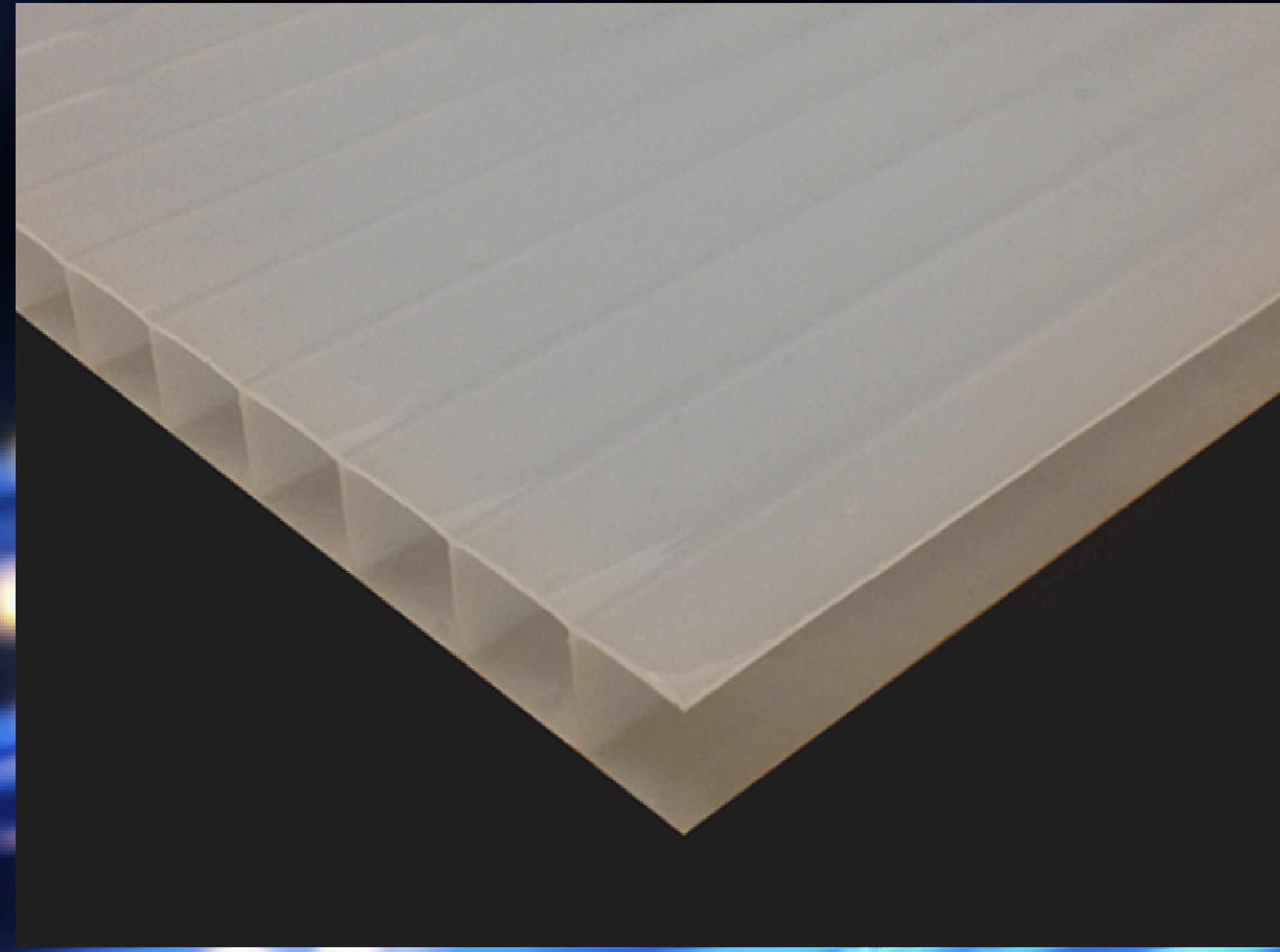
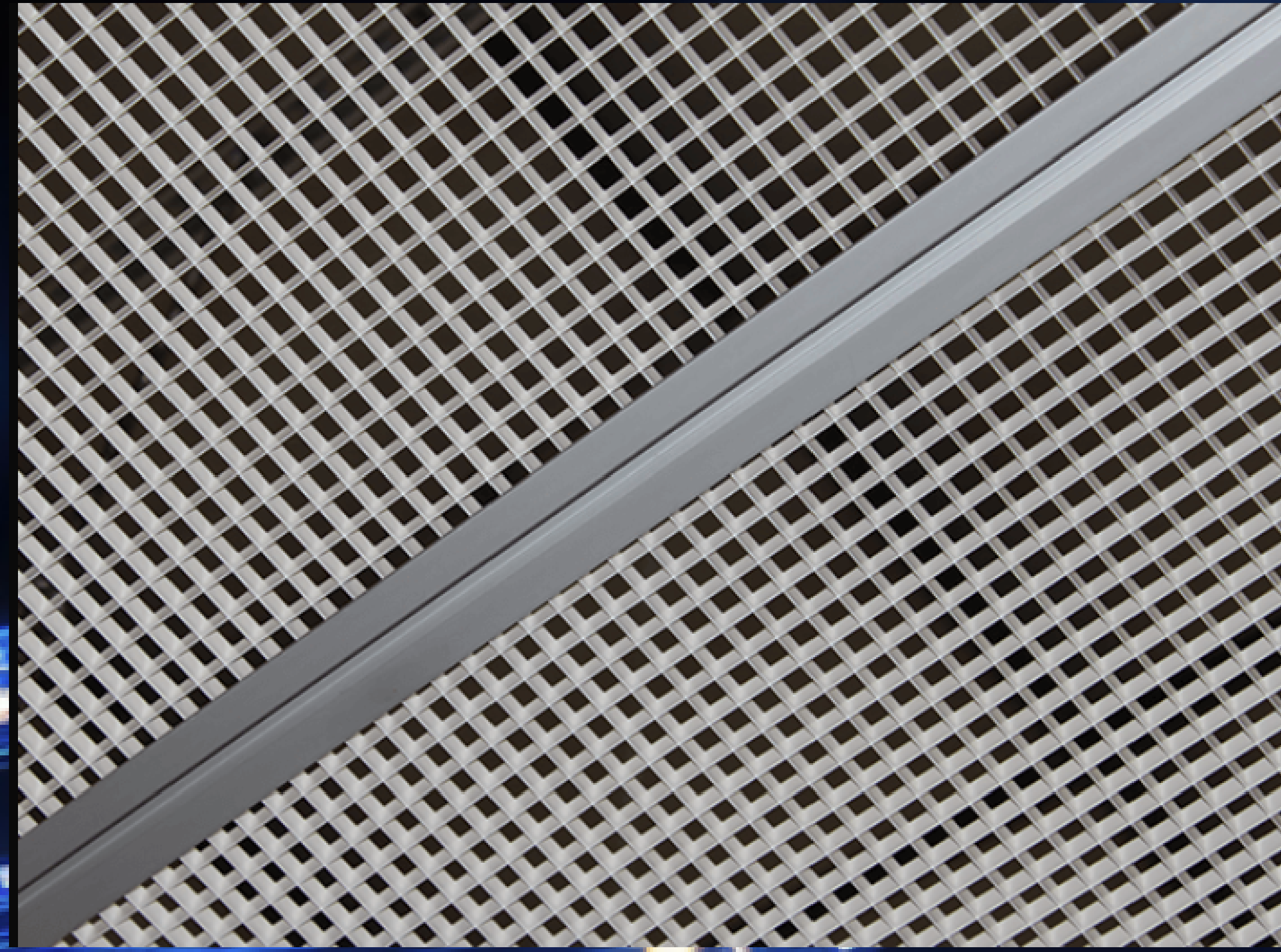
Perimeter can be fixed or floating for seismic compliance

Standard Finish - Clear Anodized. Black or white optional.





GORDON CEILING PANELS



DATAVENT AIR RETURN PANELS

Cell size: 1/2" x 1/2"

Panel height: 1/2"

92% open area

Nominal 2' x 2', 2'x4', 4'x4' panel sizes. Custom sizes available upon request

Standard finish: White powder coat (Also available in Black)

TWIN WALL POLYCARBONATE PANELS

Perfect for luminous ceiling applications

10mm thickness

Light reflectance = 33.9%

Nominal 2' x 2', 2' x 4', 4' x 4' panel sizes

Standard colors: White or clearcoat

HONEYCOMB PANELS

Top and Face Plates: Aluminum Alloy 5052-H32, thickness 032

Standard Finish: White Epoxy

Nominal 2' x 2', 2' x 4', 4' x 4' panel sizes

Thickness 1/4"

ACOUSTIC PANELS

Material : Mineral Wool with factory-painted glass scrim finish; Square edge.

Dimensions: 23 1/8" x 47 1/8" x (Thickness)5/8" . No cutting required to fit in Gordon DG Grids.

Acoustics: NRC = 0.75, CAC = 23

Fire Class: A; Surface Burning UL-723 / ASTM E-84

Light Reflectance: 0.85

Sustainability: 37% Recycled Materials



GORDON DATA CENTER WALLS

A Data Center design does not end with its ceilings, It is also important to take extra care as to the design and construct of the space to make sure the machines and hardware will operate in an optimal environment.

Gordon data center walls designed to provide the solution to the specific unique needs of Data centers :

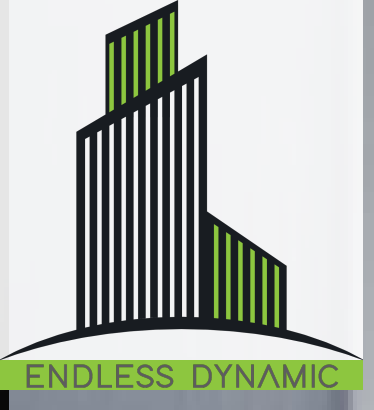
CHASE WALLS

FAN WALLS

CONTAINMENT WALLS

SECURITY WALLS





GORDON CHASE WALLS

The Chase wall is basically a partition wall. It provides a clean, secure barrier between equipment corridors and the datahall.

This modular design is engineered to be easily assembled from one side, with the head track attaching directly to the Gordon Grid.

In addition to being durable and structurally sound, the installed cost of Gordon's Data Center Wall Partition is comparable to a finished gypsum board wall without the contamination associated with taping, floating, sanding, and painting inside the datahall.



GORDON'S ADVANTAGE

Modular 4' (nominal) width partition wall panels

Easy to maneuver and install

Engineered for rapid installation. 8-10 times faster than drywall construction!

Non-progressive wall construction

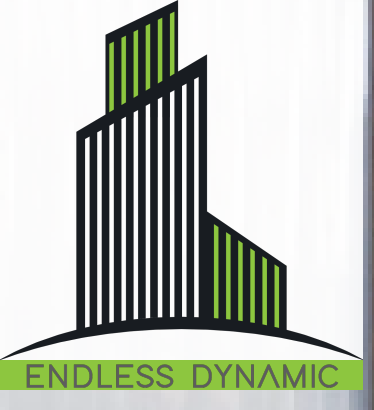
Adaptable for multiple panel types

- **16mm Triple Wall Polycarbonate (std)**
- **Honeycomb aluminum**
- **Custom perforated with Powder Coat finish**

Class A rated components for flame spread/smoke generation

Post cap trim designed for snap-in or screw-attached installation





GORDON FAN WALLS

The Gordon FanWall is a modular design using the ChaseWall components to accommodate fan units when building datahalls directly on slab.

Our design team will assist you with any fan unit sizing, airflow and building requirements



GORDON CONTAINMENT WALLS

Gordon Data Center Aisle Containment provides the industry solution for controlling cold or hot air within the data center and improving the appearance of server areas.

Savings of 20-40% in cooling costs can be achieved, creating a strong ROI for the facility.

Used in conjunction with Gordon Data Center Ceiling Grids, Gordon Aisle Containment can be installed anywhere within the data center to effectively configure the space to optimize for the total square footage required and ultimately maximize profitability of the data center.





DESIGN FEATURES

- Custom designed and built to the constraints of the installation**
- Clear fire-rated polycarbonate paneling**
- Sturdy aluminum frame**
- Custom built to specification**
- Tight tolerances for precise fit**
- Brush along bottom edge for air block**

APPLICATIONS

- Hot aisle chimneys**
- Creating a containment wall where there are no cabinets**
- Extending offset aisles**
- CRAC hoods**



GORDON SECURITY WALLS

Gordon Data Center Security Walls provide the perfect solution when secure environments are required within the data center.

Used in conjunction with Gordon Data Center Ceiling Grids, Security Walls can be installed anywhere within the data center to effectively configure the space to optimize for the total square footage required and ultimately maximize profitability of the data center.

Panel options are available in structural polycarbonate, metal face over honeycomb-core or composite, and perforated metal.





DESIGN FEATURES

Demountable partition attaches to floor and Gordon Data Center Ceiling Grids

Walls are non-progressive, and Engineered for rapid installation, disassembly, and reassembly without damage to structural components or panels

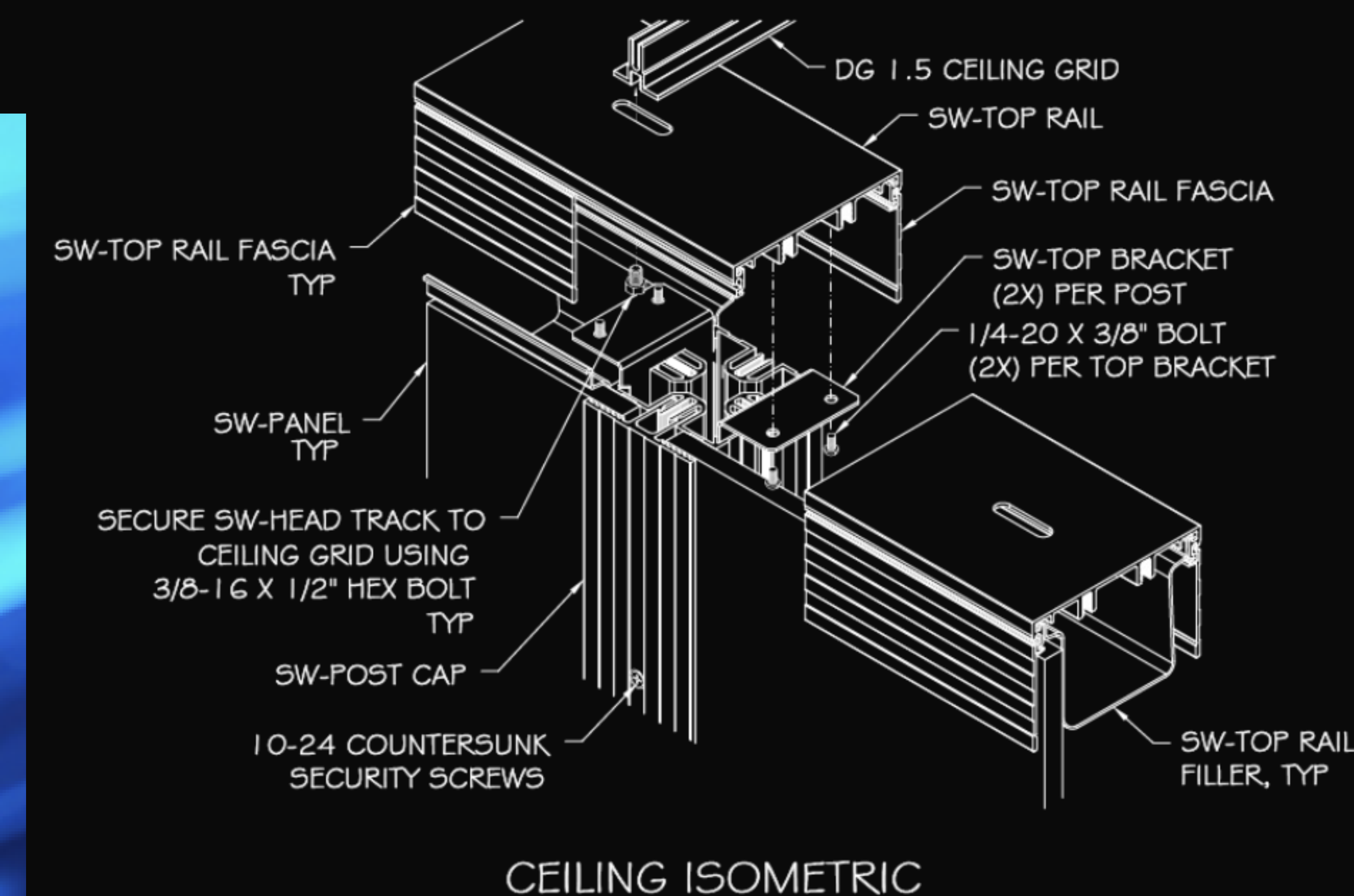
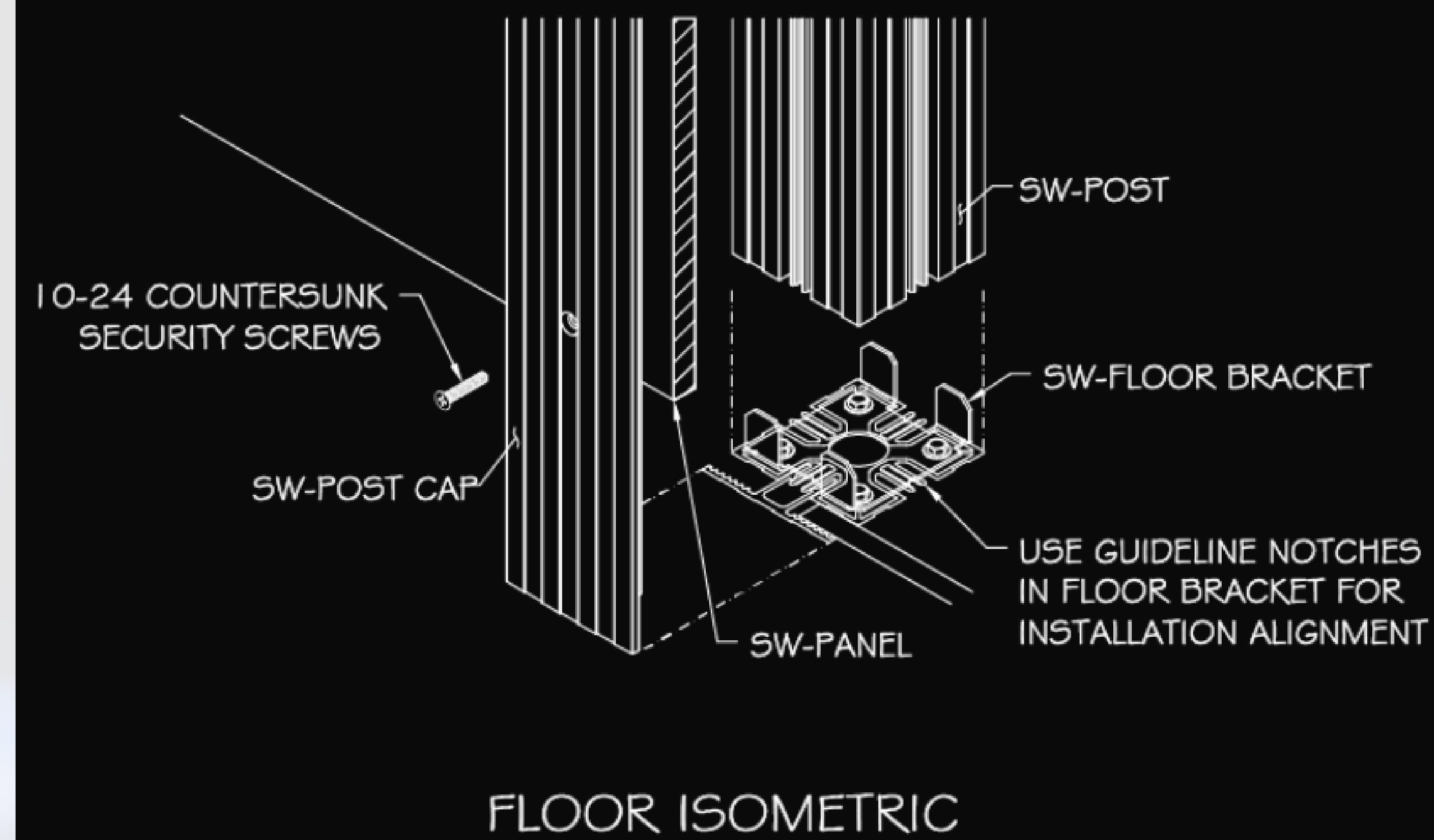
Post and panel design utilizes solid or perforated wall panels

Robust extruded aluminum posts fasten to floor mounts and ceiling grid for maximum stability

Partition can be single wall or double wall configuration for adjoining tenant suites

Partition assembly is modular, in standard 4' width to match grid array

Panels are secured from within the tenant space, assembling and dis-assembling from the inside only

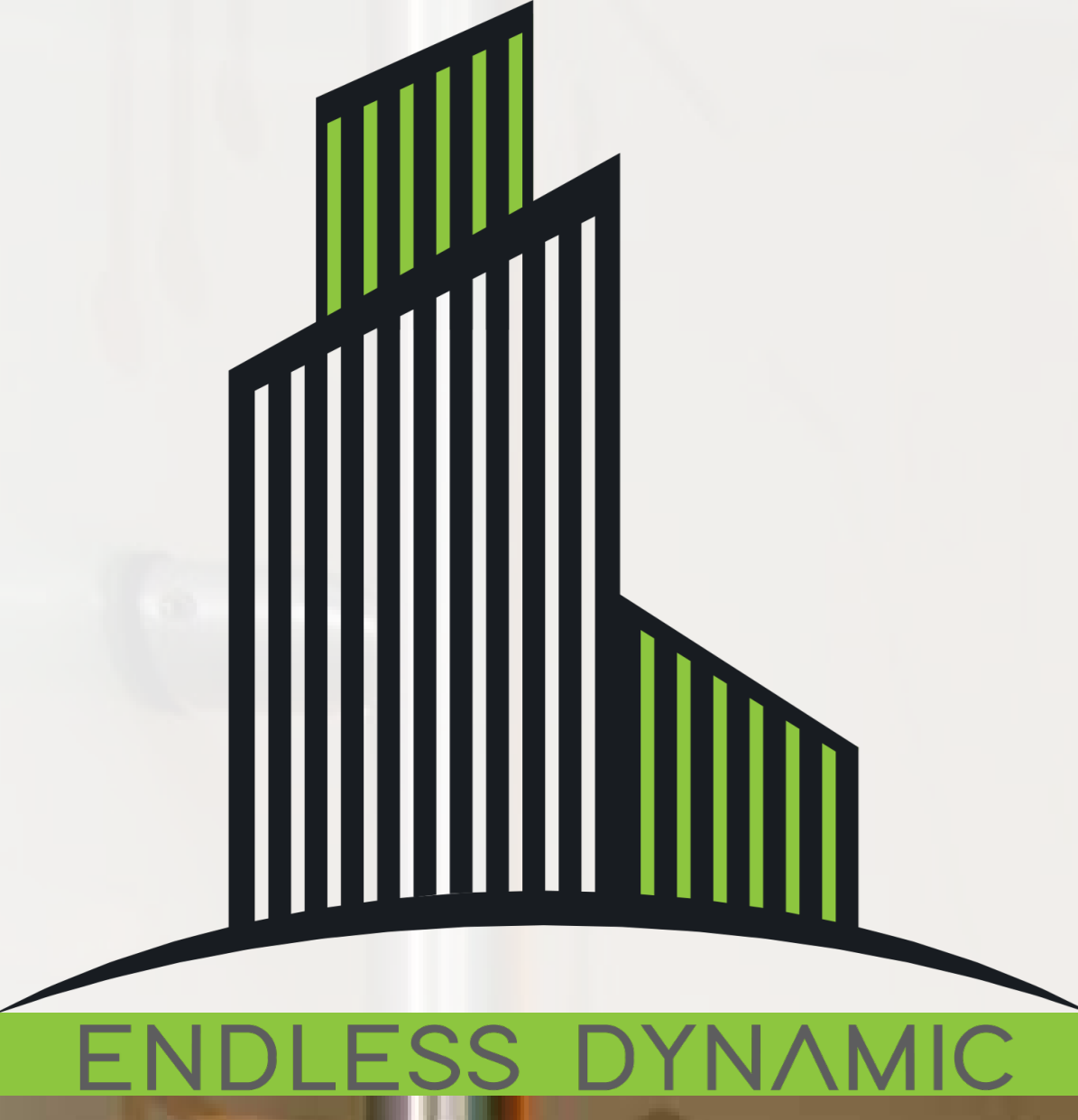


Snap-on battens have the option to be screw attached for maximum security

Class A rated components for flame spread/ smoke generation

Option for sliding doors or swing doors; single or double wide

Allowing for simple space reconfiguration, or equipment move-in



For more technical details and information

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