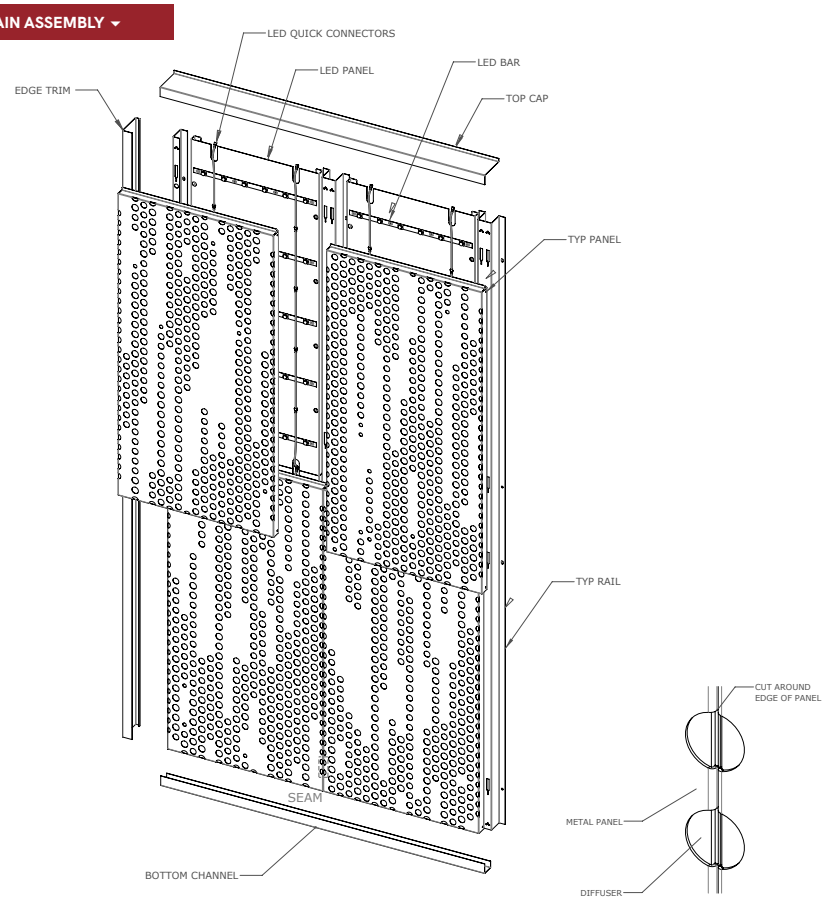
PANEL:Form™ | BACKLIT WALL PANELS



Backlit Wall Panels combine perforated shapes and dramatic illumination for wall designs that make a statement.

MAIN ASSEMBLY



PHYSICAL DATA

- Material substrates – Aluminum | Fabricated
- Thickness .041" - .060" design dependent
- Fire Performance, Panels - Class A: Tested per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.
- Weight – Varies from 1.0-1.5 lbs./sq.ft.
- Warranty – One Year Limited
- Surface Finish - Factory-applied polyester paint. Available in Standard Colors, Color Matched and Wood Look Powder-Coated and laminated.
- Seismic areas – Backlit Wall panels have been engineered for use in all seismic areas. Check with local code officials or a licensed engineer for additional requirements.

FEATURES

- Create custom perforation patterns for elevated design.
- Unlimited finish options - custom colors, wood looks, and films.
- Custom sizes & shapes – At Maxxit custom is what we do best. We will make any shape or size you can design.
- Perforations run to the panel edge and are matched to adjacent panels for a more seamless appearance.
- The wall attachment system includes a series of rails and hooks designed to securely hold the perforated panels in place.
- Cleanable using CDC recommended and EPA-approved disinfectants for fog, spray & wipe.
- Backlighting options include White and RGBW LED (see Lighting Specification page for details).

SUSTAINABILITY

LEED CONTRIBUTION –

- LEED BD+C v4 (MR: Regional & Recycled Materials).
- Schools EQ: Acoustic Performance.
- ID+C EQ: Low-Emitting Materials.
- Low VOCs.
- EPD available.
- Aluminum contains up to 80% recycled content.

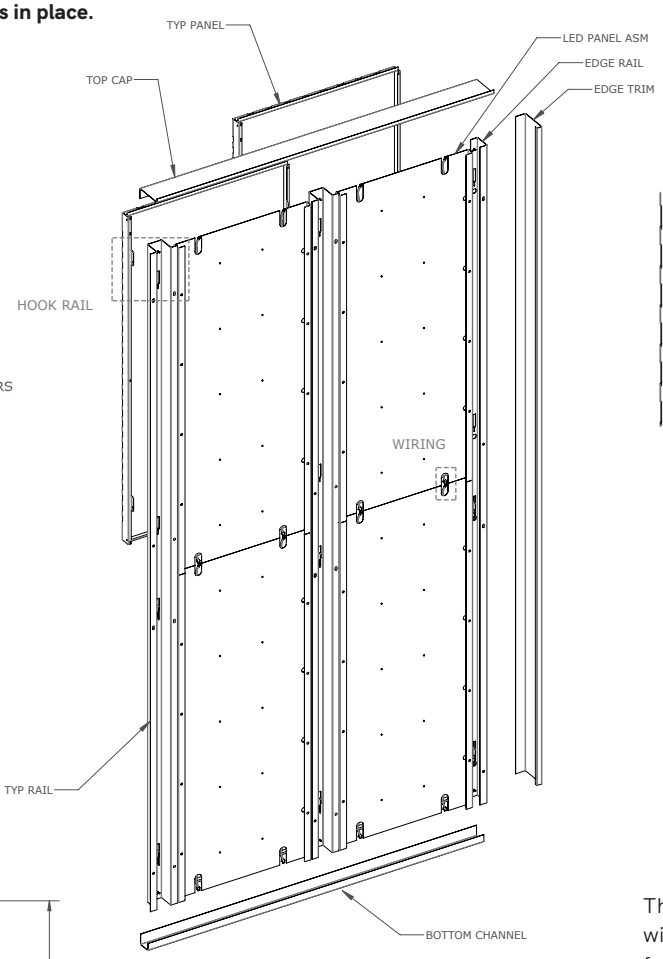
LEED® is a registered trademark of the U.S. Green Building Council

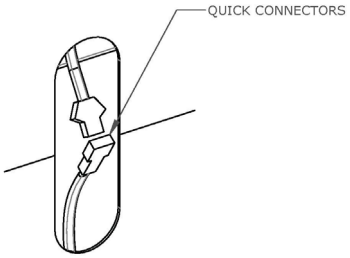
Physical data, Features and Sustainability on this page pertain to the Panels. Refer to the Lighting section for details on lighting.

MAXXIT CEILINGS & WALLS

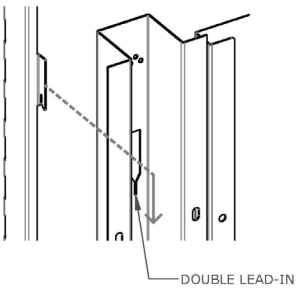
PANEL SPECIFICATION

The wall attachment system includes a series of rails and hooks designed to securely hold the perforated panels in place.

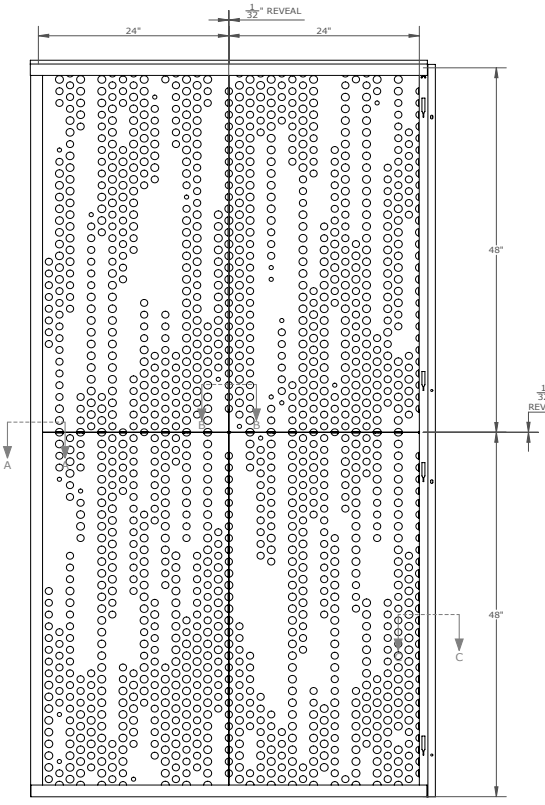




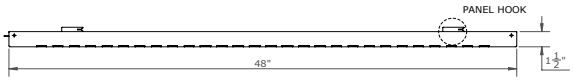
DETAIL WIRING

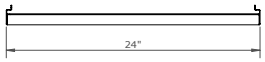


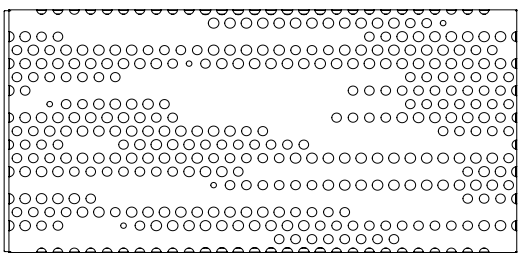
DETAIL HOOK RAIL

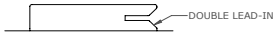


The perforated surface is designed with four distinct tiles arranged for continuous pattern design. A range of standard and custom perforation options is available.

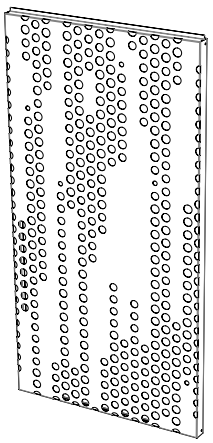








DETAIL PANEL HOOK



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CEILINGS & WALLS

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LIGHTING SPECIFICATION

The Maxxit Backlit Wall panel system integrates LED lighting directly into its lightweight, perforated metal wall panels, creating a sophisticated, seamless lighting solution. Designed with ease of installation in mind, the back-lit panels feature a modular system that allows for quick assembly and consistent illumination across large spaces. With customizable options for brightness, color temperature, and control systems, Backlit Wall panels are ideal for commercial environments, offering both functional lighting and a high-end, modern look. Available in White and RGB versions.

BACKLIT PANELS BACKLIGHTING SPECIFICATIONS

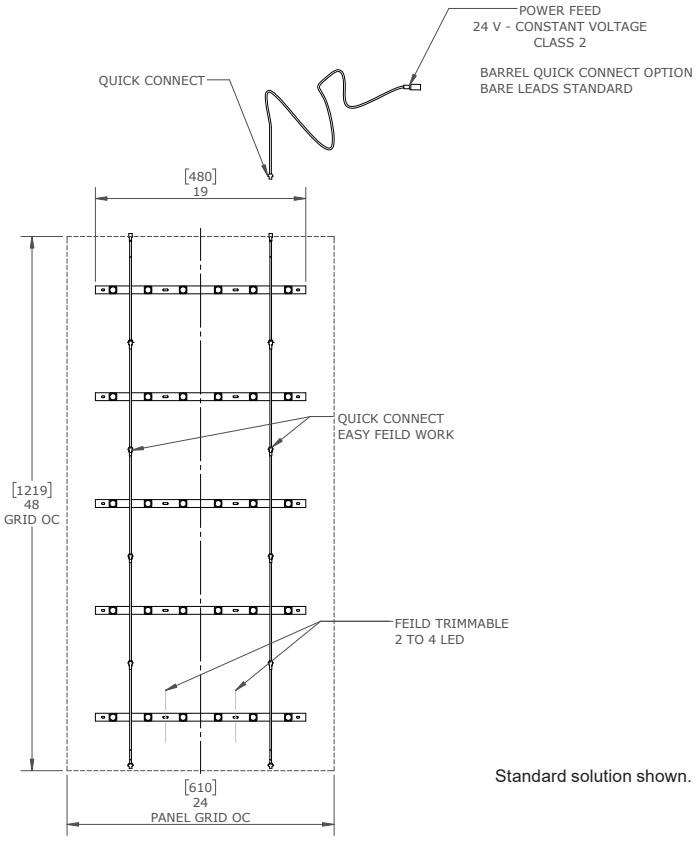
PHYSICAL DATA	STANDARD WHITE	HIGH OUTPUT WHITE	RGBW
TOTAL LUMENS	2270 Lm / Panel	5940 Lm / Panel	1800 Lm / Panel
POWER CONSUMPTION	25 Watts / Panel	66 Watts / Panel	72 Watts / Panel
VOLTAGE	24 Volt DC	24 Volt DC	24 Volt DC
COLOR TEMP	3500K, 4100K	3000K, 3500K, 4100K, 5300K, 6500K	up to 6500 K (White) • Red • Green • Blue
CRI	≥90	≥90	≥80
DIMMING OPTIONS	Phase-Cut (TRIAC/ELV), 0-10V, DALI, DMX512, Wireless	Phase-Cut (TRIAC/ELV), 0-10V, DALI, DMX512, Wireles	DMX/RDM 0.1%-100%
EFFICACY	91 lm/w	83 lm/w	Varies depending on color temperature and wattage
BEAM ANGLE	210°	170°	117°
SIZE (L X W X D)	48" x 24" x 2.75" (30 light modules per panel)	48" x 24" x 2.75" (66 light modules per panel)	48" x 24" x 2.75" (12 bars/108 LEDs per panel)
CERTIFICATIONS	UL recognized component (E362079), Class2 UL listed (E346146) Dry/damp location, indoor use only	UL recognized component (E362079), Class2 UL listed (E346146) Dry/damp location, indoor use only	UL Recognized Component, IP20
OPERATING TEMPERATURE	-20°C (-4°F) ~ +60°C (+140°F)	-30° C (-22° F) ~ +40° C (+104° F)	-20°C (-4°F) ~ +60°C (+140°F)
DRIVER	5-in-1 Dimmable LED Driver 24V	5-in-1 Dimmable LED Driver 24V	5-in-1 Dimmable LED Driver 24V



LIGHTING SPECIFICATION

White Backlighting - STANDARD

- 5-bar, 30 LED ladder configuration
- Engineered for energy efficiency while delivering bright, uniform illumination.
- 210 degree forward-facing diodes provide direct illumination with enhanced color consistency and even light distribution.
- Ideal for interior spaces and applications requiring scalable backlighting dimensions.
- Offers streamlined on-site customization options for efficient installation.
- Up to three standard panels can be powered from a single driver, reducing costs, minimizing component count, and simplifying installation.



Standard solution shown.

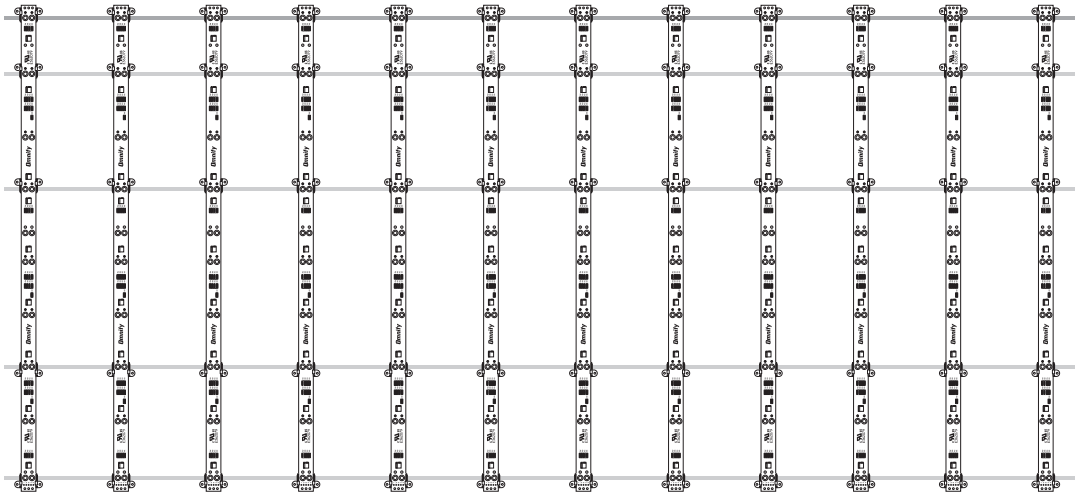
White Backlighting - HIGH OUTPUT

- 11-bar, 66 LED ladder configuration
- Delivers bright, uniform illumination across large backlit surfaces in both ceiling and feature walls.
- Provides optimal lumen output for high- performance lighting.
- 170 degree wide beam optica ensure uniform light distribution and consisten illumination
- A dedicated driver is required for each panel to ensure consistent performance and reliable operation.

RGBW Backlighting

- A reliable RGBW 4-in-1 5050 LEDs with high performance
- Forward facing diodes for direct color lux and light uniformity
- Wide range of color options, include white (up to 6500K), red, green and blue
- Indoor use only





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WOOD LOOK FINISHES

Standard Powder Coated Paint Finishes (Interior & Exterior) Formaldehyde-Free


National Walnut


Chestnut


Rosewood


European Cherry


Knotty Pine


Oak Fine


Maple


American Douglas


American Maple


Teak

Custom Colors

FIND YOUR PERFECT MATCH

At Maxxit we have a passion for finishes; wood, metallic, oil rubbed, whatever your challenge is we can match it!



Send us a color sample so we can quickly provide a color match.

Standard Laminated (Film) Finishes (Interior only). Formaldehyde-free


Canadian Oak


White Oak


American Natural


North Oak


European Walnut


Brazilian Walnut

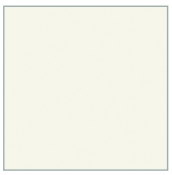

Black Ash

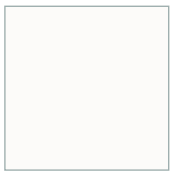
STANDARD COLORS

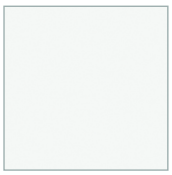
Maxxit powder coat finishes offer superior chemical, scratch and UV resistance, they do not emit VOC's and are available in a broad range of textures, glosses and specialty looks.

Powder Coated Paint Finishes (Interior & Exterior) Formaldehyde-Free


Black
(25-35 Gloss)

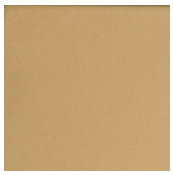

White
(17-20 Gloss) | LRV 79-80


Chalkstone White
2-6 Gloss | LRV 85-86


Snow White
(25-30 Gloss) | LRV 83-84


Sterling Silver
(20 Gloss)


Sunrise Yellow
(20 Gloss)


Tan Straw
(20 Gloss)


Blush Rose
(20 Gloss)


Forest Green
(20 Gloss)


Grey
(65-75 Gloss)


Mid Beige
(20 Gloss)


Pure Orange
(20 Gloss)

Custom Colors


Custom colors available

Powder Coated, Bonded Metallic Finishes (Interior & Exterior) Formaldehyde-Free


Dark Bronze


Forged Charcoal


Gold


Golden Bronze


Metallic Sterling Silver

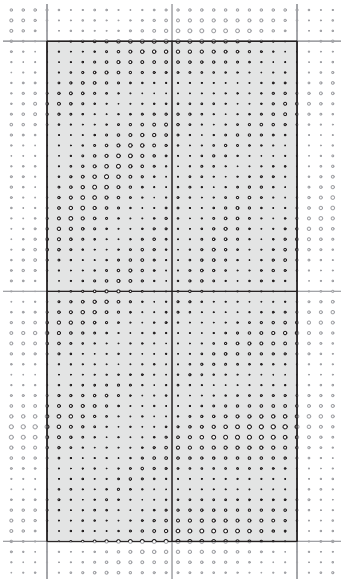

Soft Nickel


Blush Copper

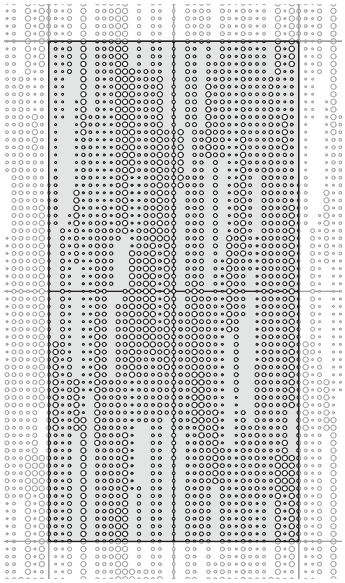
PANEL:Form™ | BACKLIT WALL PANELS

MADE TO ORDER PATTERNS

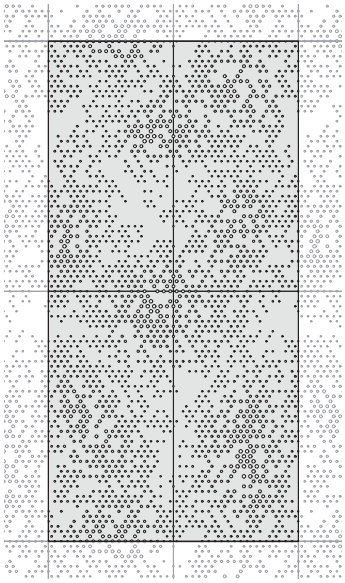
Custom Patterns Six distinct design families, each with customizable parameters. Whether it's adjusting hole diameter, pattern density, or scale, we can create virtually endless variations of each pattern to suit individual needs and preferences. **Create your perfect design:**



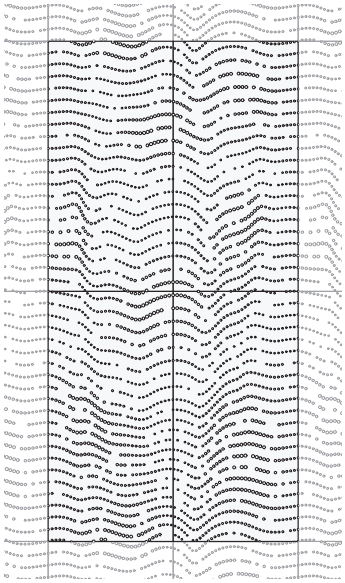
Aqua Flow



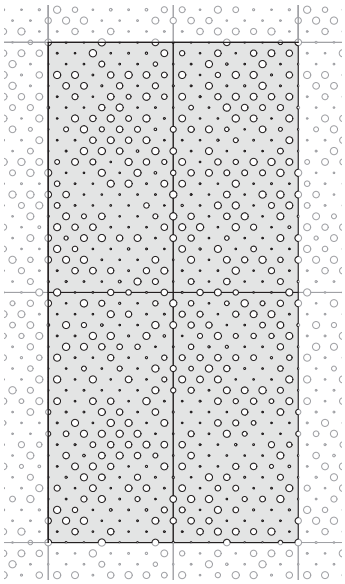
Bitstream



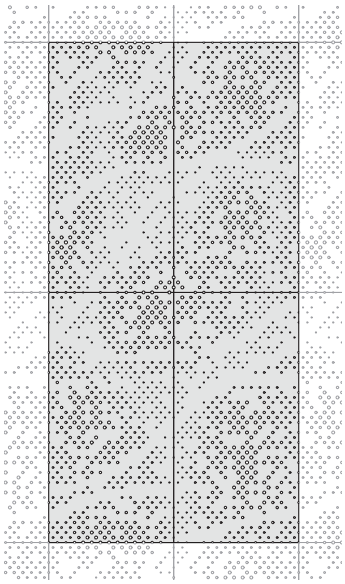
Nebula Mist



Ripple



Starlight



Woodland

Perforated Imaging Perforated imaging employs high-tech manufacturing methods to create detailed images using perforations. Supply us an image, logo or text and we'll apply it onto a metal panel, providing your space with a customized design.



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MAXXIT CEILINGS & WALLS

PANEL:Form™ DESIGNS

BACKLIT ▸ Ceiling



BACKLIT ▸ Walls



CANOPY PARTITIONS ▸



CONCAVE ▸



DIMENSIONAL ▸



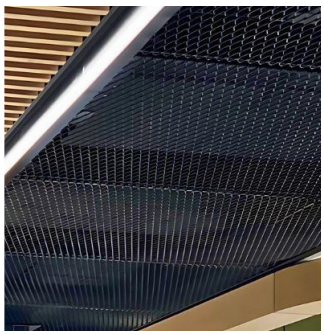
DESIGN PERFORTATED ▸ Ceiling



DESIGN PERFORATED ▸ Walls



MESH ▸



MOZAIX ▸



QUIET WALL ▸



RADIUS ▸



SEGMENTED ▸



TRADITIONAL ▸



WATER RIPPLE ▸



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CEILINGS & WALLS

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WHERE CREATIVE ENGINEERING MEETS ARCHITECTURAL VISION

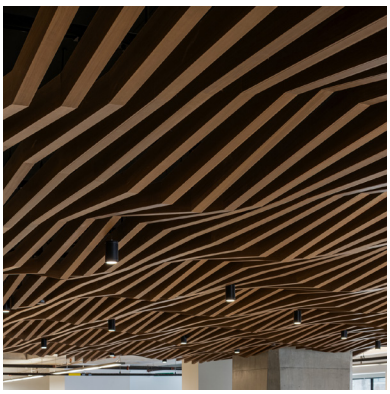
At Maxxit, we combine creative engineering, advanced manufacturing, and close collaboration to help architects and designers bring bold ideas to life. From standard to custom solutions, we turn imagination into precision-built reality.











Co:LAB Studio

Our custom design service empowers architects and designers to realize unique visions through tailored solutions, material innovation, and expert collaboration — turning bold ideas into architectural realities.

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