The Architecture of Metal Fabrics





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GKD Metal Fabrics are technologically

advanced woven metal fabrics suitable

to large or small scale applications,

a complete design-build solution,

both interior and exterior. We provide

custom engineering and installing each

project with proprietary attachments.

on four continents, adding drama and

beauty to great architecture throughout

Our metal fabrics are manufactured

the world.

- 70 California ISO Headquarters
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- 74 Tonhalle Dusseldorf
- 76 Cleveland Institute of Art
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A Design-Build Solution

A Turnkey Product When you specify GKD metal fabrics, we will work with you on concept development, design, engineering, fabrication, delivery and on-site installation, including the hardware for attachment. Our team of professionals

is accustomed to working worldwide with the most demanding designs and programs, collaborating with your team to realize your vision – without compromise.

Your Way We encourage our clients

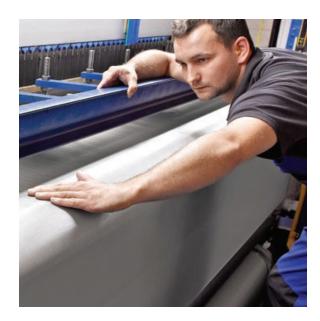
to order swatches in a made-to-order sample box or in our signature box that contains our most popular weaves. But your choices don't end there. Most GKD metal fabrics can be customized to fit your design needs. Working within the specifications of our looms, we can alter the warp and weft of a product to yield a different appearance or functionality. We are always happy to develop a custom design.

For the Long Haul GKD metal fabrics are the smart choice environmentally friendly, durable and virtually maintenance-free. Our stainless steel is an energy efficient product to manufacture, made with recycled material as

well as being recyclable itself. Non-corrosive, GKD metal fabrics can be simply washed with water if it ever becomes necessary. Around the Globe Founded in Düren, Germany in 1925, GKD has grown to be a truly global organization throughout the subsequent century. With production facilities in Europe, North America, South America, Africa and Asia, we have branches, representations and partners in over 30 countries. GKD-USA Inc. is headquartered in Cambridge, Maryland.











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No. of Concession, Name

Project

Application

1-1

Product

Architect

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Attachment Method

Size

American Airlines Arena

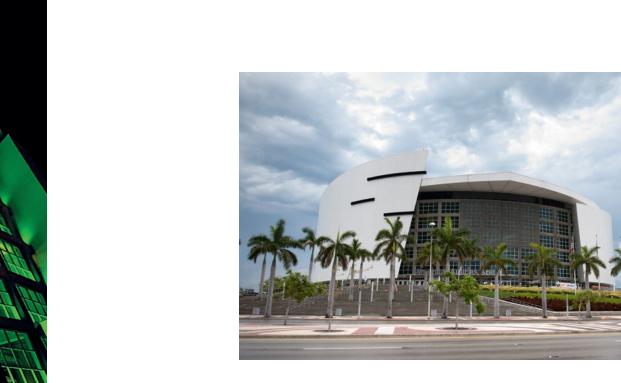
Application Mediamesh Architect A2a Media

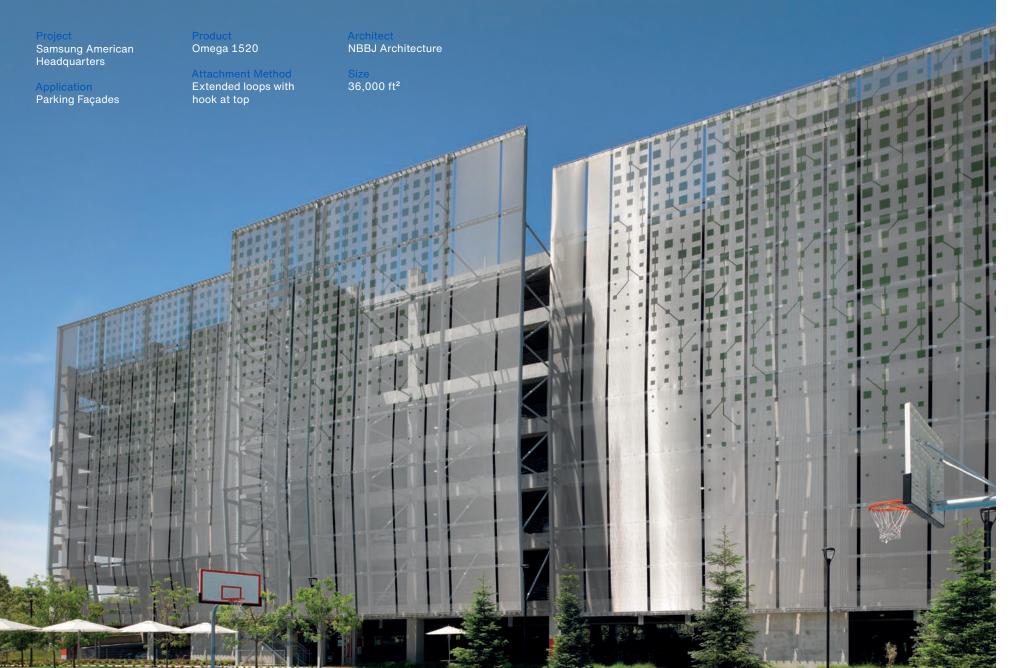
D.WAD

Mediamesh V5xH5.0

Woven in bar eyebolts top and bottom

Size 3,400 ft² The Miami streetscape is transformed into a dynamic display of graphics and light with this transparent Mediamesh display, offering sponsors an opportunity to reach over twenty million commuters and visitors a year.





At Samsung's US headquarters, the parking structure is enveloped by metal fabric. An abstract design alludes to a circuit board, reflecting the corporation's strength in technology.

European Court of Justice

Anodized Escale 5x1

Architect Dominique Perrault

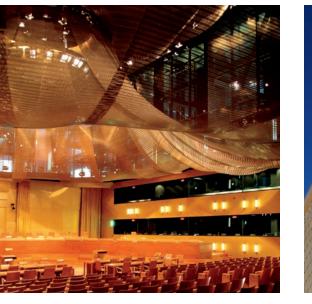
Application

Ceilings Façades Partitions Specialties . Walls

Attachment Method Frames

Product

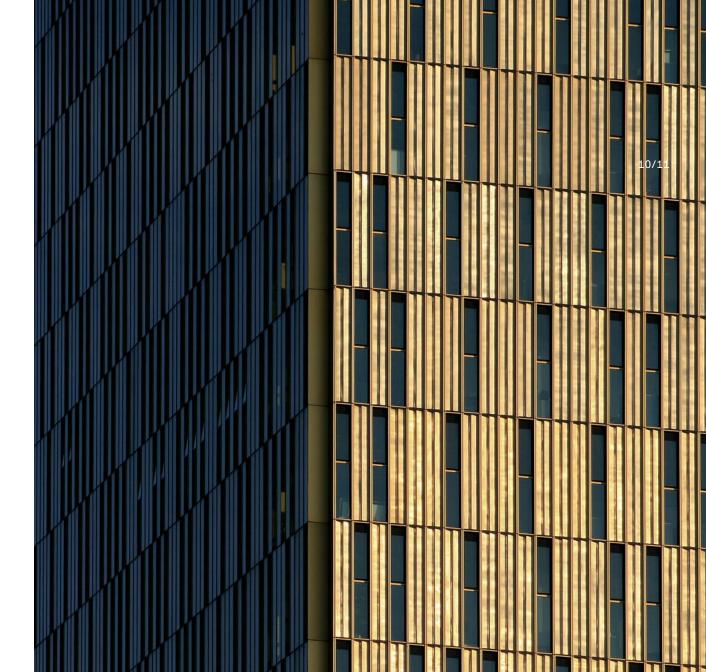
Size 233,000 ft²





GKD metal fabrics are used inside and out at the European Court of Justice in Luxembourg. In the grand courtroom, a bronze anodized fabric is suspended from the ceiling, creating a modern interpretation of the classic dome.

Pleated panels on the exterior façades of the two 24-story towers are formed using an anodized metal fabric especially developed for this project, providing solar shading for the office spaces.





GKD's North American headquarters, recipient of an "AIA Maryland Design Award" is a showcase for the firm's offerings, featuring metal fabric façades, and tiled, draped and framed ceilings. Beautiful and energy efficient, the building receives the benefits of solar management, natural lighting and natural ventilation.







Project Piazza del Duomo

Product Mediamesh V5xH5.0 Architect ag4

Attachment Method Woven in bar eyebolts top and bottom

Size 5,240 ft²

16/17



Amidst Renaissance architecture in Milan, twenty-first century Mediamesh delivers a powerful message with its LED technology.

Project Brookline Place

Product

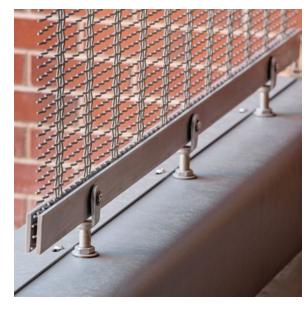
Custom Tigris PC

Architect Elkus Manfredi

ApplicationAttachment MethodParking FaçadesFlats with clevis

Size 12,835 ft²





Minutes outside Boston, the mixed-use Brookline Place is the hub of its eponymous suburb. For the six-story parking lot, the architects chose to elevate their subdued design with a custom metal fabric.



Project Children's Activity Center Product

Eyebolts

Escale 7x1

Attachment Method

Application Façades Architect Stephan Bradley Architects

> **Size** 59,200 ft²

Flexible metal fabric conforms to irregular shapes and compound curves, transmitting light and air while concealing the building utilities in the school.





Stanford University Bass Biology Building

Application Mediamesh

20 N S

Product

Mediamesh V4xH5.0 Tigris

770 ft²

Woven in bar eyebolts top and bottom



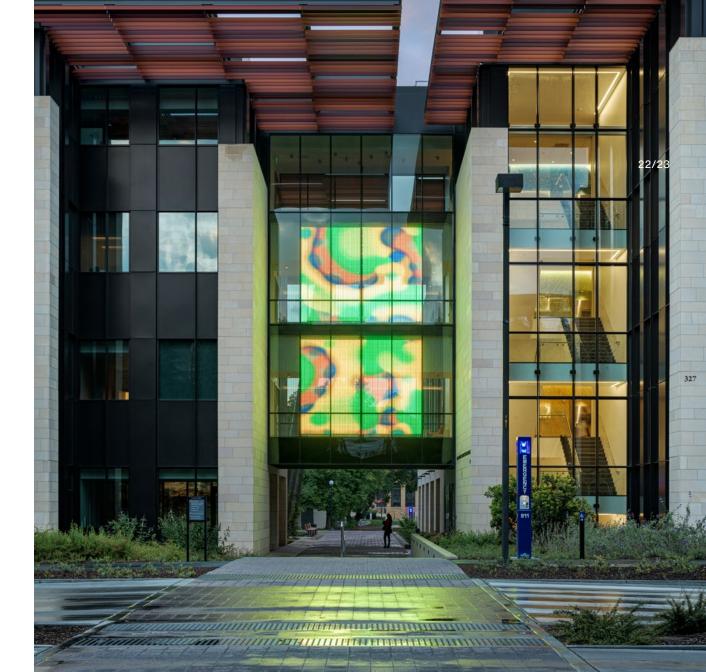
Architect

Flad Architects,

Attachment Method



A Mediamesh display in the Bass Biology Building at Stanford University displays biology-themed abstract images that can be controlled through a touch-screen interface.





protection, they are simultaneously a manifestation of luxury, embodying the elegance and sophistication of the brand.

24/25

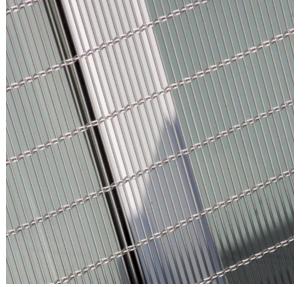


Project Chicago Art Institute Product Tigris PC Architect Renzo Piano

Application Safety and Security

Attachment Method Flats with flat eye **Size** 6,000 ft²

26/27



Throughout this celebrated museum, framed, woven metal fabric panels are used on walkways to provide safety and security with elegance. The inherent transparency of the fabric allows visitors to enjoy views of the magnificent Chicago skyline.



Project Beijing National Opera

Application Partitions

Paul Andreu, ADP Paris

Attachment Method Flats with clevis

Product

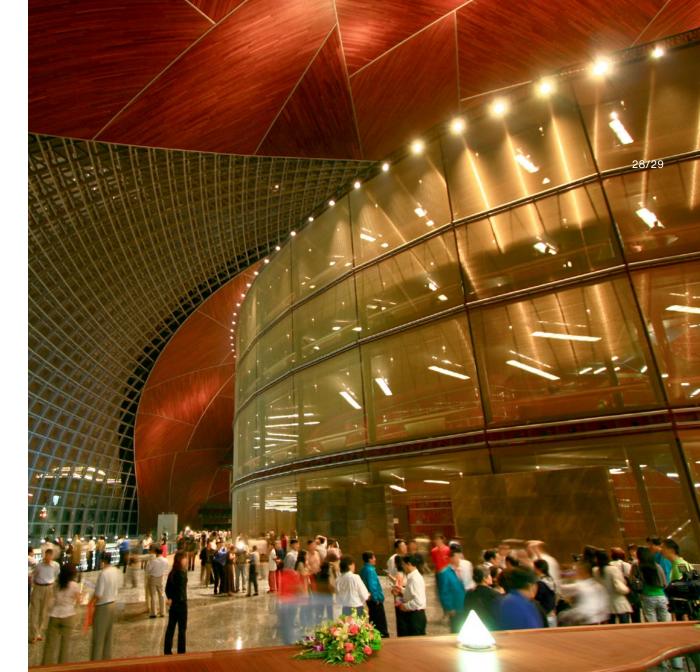
Baltic Custom Fabric

Size 5,400 ft²

Architect



A scrim-like wall of bronze anodized metal fabric plays a dramatic supporting role within this landmark opera house in Beijing.







GKD's precision etched graphic process brings the brand to life at this BMW dealership in New York. As sunlight shifts throughout the day, the appearance of the media changes continuously.



Project Paris Longchamp Product Escale 7x1 Architect Dominique Perrault

Application Acoustic Façades Solar Management

Attachment Method Frames

Size

Size 22,740 ft²

32/33

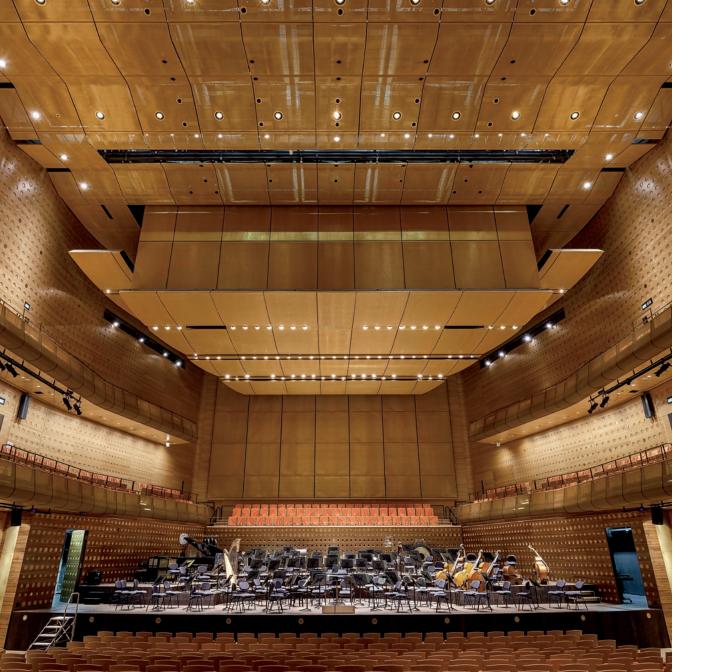




French architect Dominique Perrault re-designed this historic venue from the ground up after winning an international design competition, making extensive use of golden steel metal fabric. Perrault frequently uses GKD metal fabrics for his projects as they follow his key design principles of movement and transparency.







Project Koningin Elisabethzaal

Application Acoustic

Ceilings

Walls

Product Omega 216 Omega 1520

Attachment Method

Frames

Architect

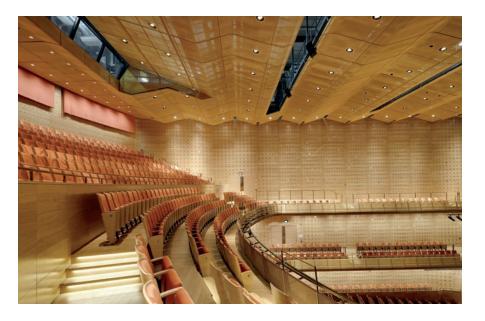
lan Simpson: Acoustic Planning & Kirkegaard Associates

Size

17,200 ft²

36/37

Gold-colored metal fabric lines the ceiling and stage wall of this concert hall, ensuring an ideal combination of acoustics and aesthetics. Each of the 204 panels was specifically fitted, the ceiling fabric including precisely measured cutouts for lights.





A three-story logo has been applied with a proprietary paint spraying technology. Visible from great distances, it adds an element of branding to this dramatic building, while the custom metal fabric manages the sunlight within.

École d'Art de Calais

Application

Façades Solar Management

Size Attachment Method 2,700 ft²

Architect

Arc.Ame

Product

Escale 7x1

Gold Anodized Aluminum

Roundbar with eyebolts

The futuristic architecture of this art school in Calais provides a beautiful counterpoint to the much older buildings of the ancient city, while its gold anodized aluminum mesh panels provide solar management and a signature look.







Project Tencent Headquarters

Product Omega 1510 Architect NBBJ Architecture

Application Partitions Safety and Security

aluminum fabric

Attachment Method Flats with clevis

Size 20,000 ft²

42/43

Gold-colored, anodized enhances the offices of Chinese internet giant Tencent, the soft golden tone lending the atrium and lobby a warmth to contrast with its cool gray marble floor, walls, and aluminum screen.



Project Mumuth Music and Theater School

Architect

Product

Omega

Custom flat bar

Ben van Berkel, UNStudio

Application Façades Solar Management

Attachment Method

Size 43,000 ft²



A performance center becomes a performance itself as daylight fades. Woven stainless steel, reflective during the day, becomes transparent at night to reveal the activities within.





Project Phelps Dunbar

Product Futura 3110 Architect Gensler

Application Partitions

Safety and Security Specialties Attachment Method Flats with clevis Size 430 ft²

46/47





Metal fabric partitions add a distinctive feature to this Louisiana law office, maintaining safety while preserving a feeling of openness.



The sweeping airfoil of this architectural façade offers transparent sun control to this biomedical cancer research center in Southern California.

Project Yankee Stadium

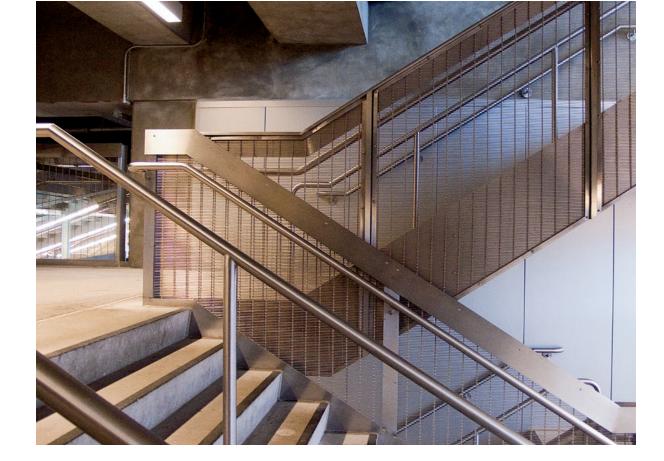
Application Etched Graphics Partitions Safety and Security Walls

Product Custom Tigris Omega 1505 PC Tigris PC

Attachment Method Flat and angle frames

Size 33,000 ft²

Architect Populous







Numerous metal fabrics are used throughout world-famous Yankee Stadium, demonstrating the way different products can be combined to form an aesthetically cohesive statement.

Project Juan Valdez Café

Application Etched Graphics Façades Solar Management



Size 2,500 ft²

Architect

Juan Valdez's familiar portrait is etched onto the tensioned, woven metal fabric of his namesake café in New York City.





Product

Omega 1510

with springs

Attachment Method Extended loops

Oxnard Civic Center

Application

Façades Solar Management

Product

Futura 3110

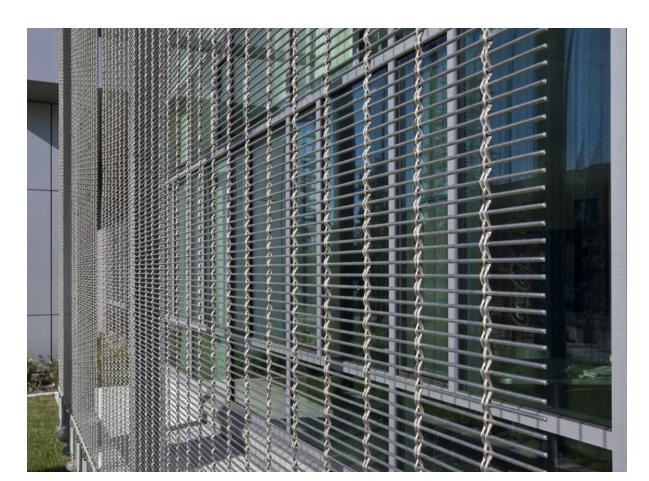
and springs

Attachment Method

Woven in bar hooks

Architect Roesling Nakamara Terada

Size 7,200 ft² Solar panels alleviate the extreme heat of Southern California, while enriching the architecture with a striking dimension of modernity.





Project Elwick Place

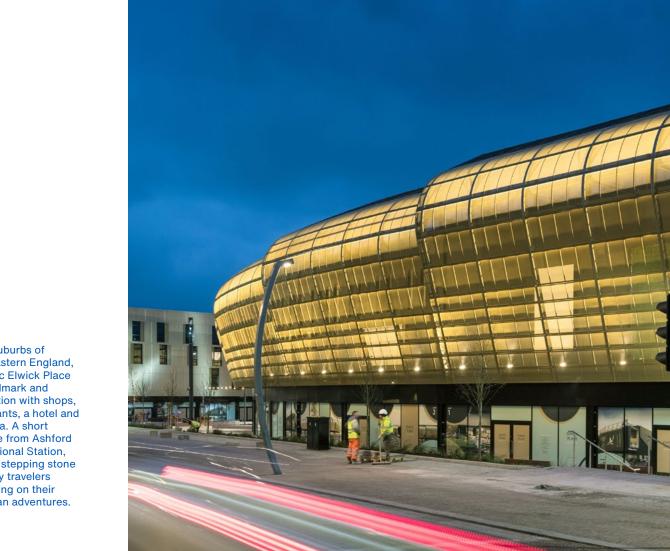
Application Façades

Attachment Method Size 16,150 ft²

Architect

Guy Hollaway Architects

In the suburbs of southeastern England, futuristic Elwick Place is a landmark and destination with shops, restaurants, a hotel and a cinema. A short distance from Ashford International Station, this is a stepping stone for many travelers embarking on their European adventures.



58/59



Product

Omega 216

Custom frame



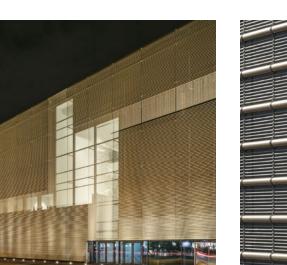
Kunsthalle Mannheim

Application

Façades Solar Management **Size** 49,500 ft²

Architect

GMP



Product

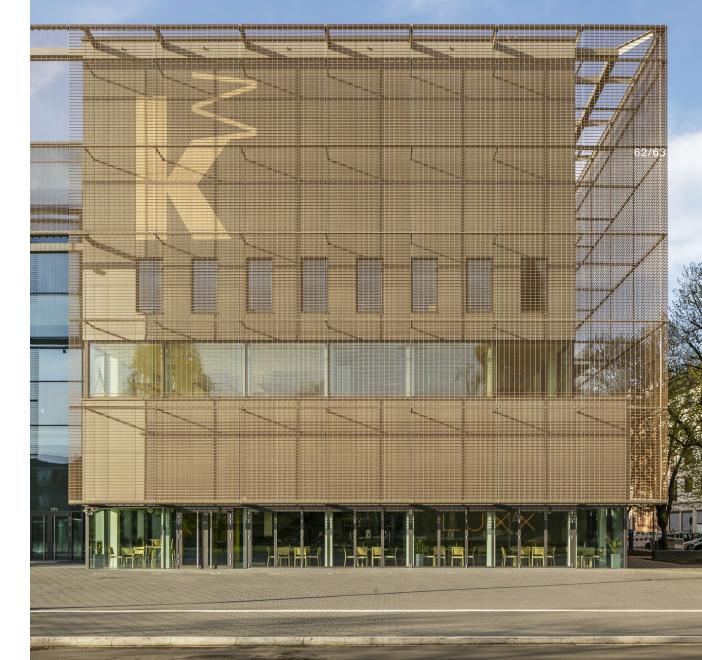
Tigris with woven pipes

Attachment Method

Flats with clevis



This façade provides a signature look to a landmark museum while protecting the art inside from the sun's harsh glare. Sophisticated weaving techniques help the metal fabric withstand the region's intense wind and snow.





Centuries-old Native American weaving traditions inform the architecture of this library at CSU Fresno and are experienced literally in a video installation by artist Susan Narduli, played on a large-scale Mediamesh installation.

Kauffman Center for the Performing Arts

Architect

Moshe Safdie Architects

Attachment Method Frames

Product

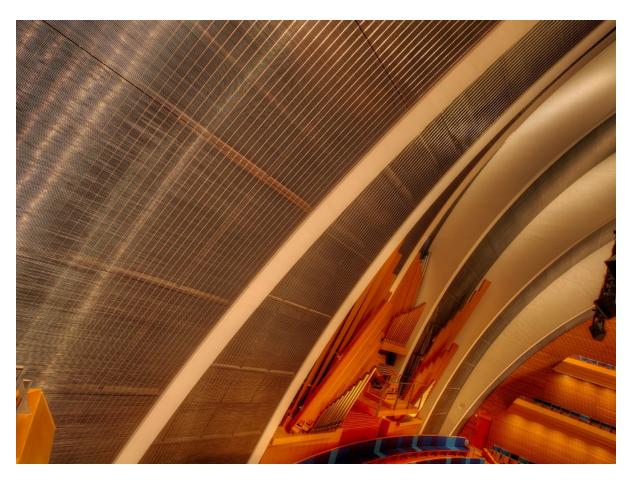
Tigris PC

Application Acoustic

Partitions Walls Size 8,000 ft²









Woven metal fabric behind the Herzberg Hall's celebrated organ is both beautiful and acoustically transparent, while appearing as a continuous panel from floor to ceiling.

Project California ISO Headquarters

Application Façades Solar Management

Size 1,000 ft²

Architect

Dreyfuss and Blackford



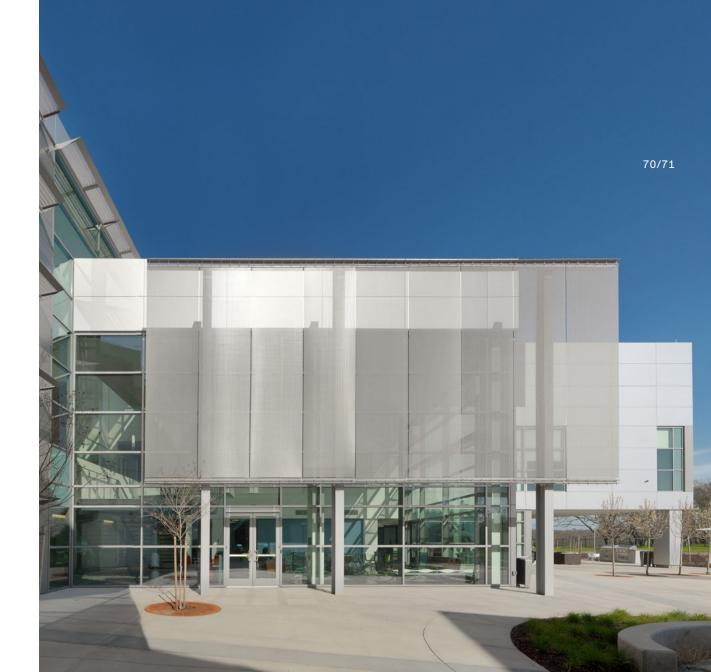
Product

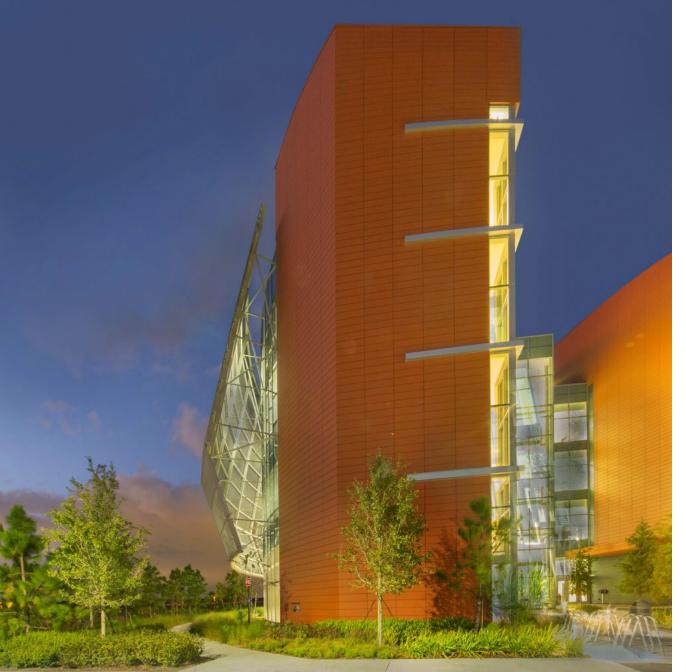
Omega 1510

Attachment Method

Extended loops and eyebolts

> Metal fabric provides solar control and day-lighting for this west facing area located strategically outside the two-story public wing of the California ISO headquarters in Folsom.





Project

UF Research and Academics Center

Application Façades Solar Management

Product Escale 7x1

Flats with clevis

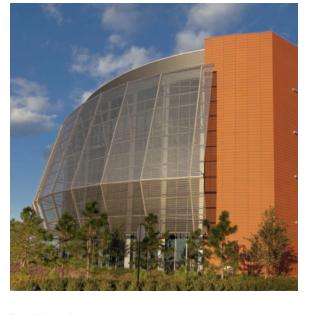
Attachment Method

Size 8,250 ft²

HOK Architects

Architect

72/73



The University of Florida's landmark building features an immense sunshade made of architectural mesh. Natural lighting, sun control and transparency are accomplished with striking flair.



Project Tonhalle Dusseldorf

Product

Frames

Omega 1540

Attachment Method

Application

Acoustic Ceilings

Size

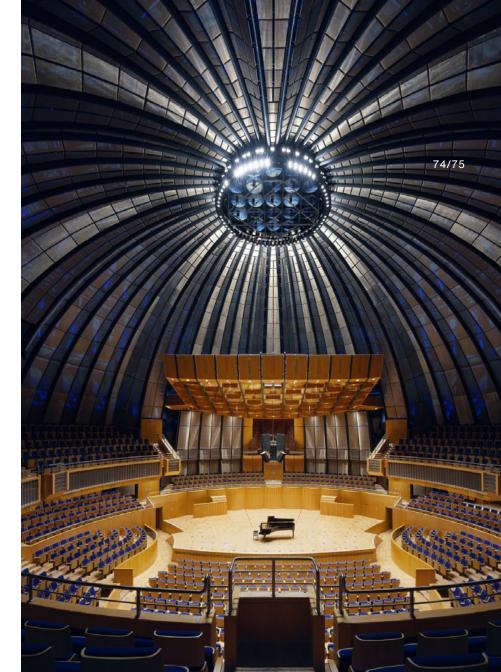


HPP Architects

Architect

11 1 11

Bronze tones are threaded throughout the woven stainless steel fabric, giving the renovated concert hall a unique look, while the resulting acoustics provide a surround sound without interference and with improved reverb.







Bold towers clad with architectural mesh make an impressive statement at this historic racecourse in Berkshire, England.

Project Ascot Racecourse

Product Baltic

Architect HOK

Attachment Method Flats with clevis

Size 17,000 ft²

78/79



Project

Turkish Contractors Association Headquarters

Application Façades Solar Management

Attachment Method

Architect

9,700 ft²

Size

Avci Architects

and springs

Product

Omega 1510

Omega 1520 Omega 1530





The metal fabric façade contributes to a building constructed to LEED platinum levels. While the façade helps solar management, solar cells help power the building and a geothermal heat pump helps to maintain an ideal temperature.



Project Piper High School

Application Etched Graphics Façades Solar Management Size 520 ft²

Architect

DLR Group



Product

Omega 1510

Attachment Method

Extended loops

with eyebolts

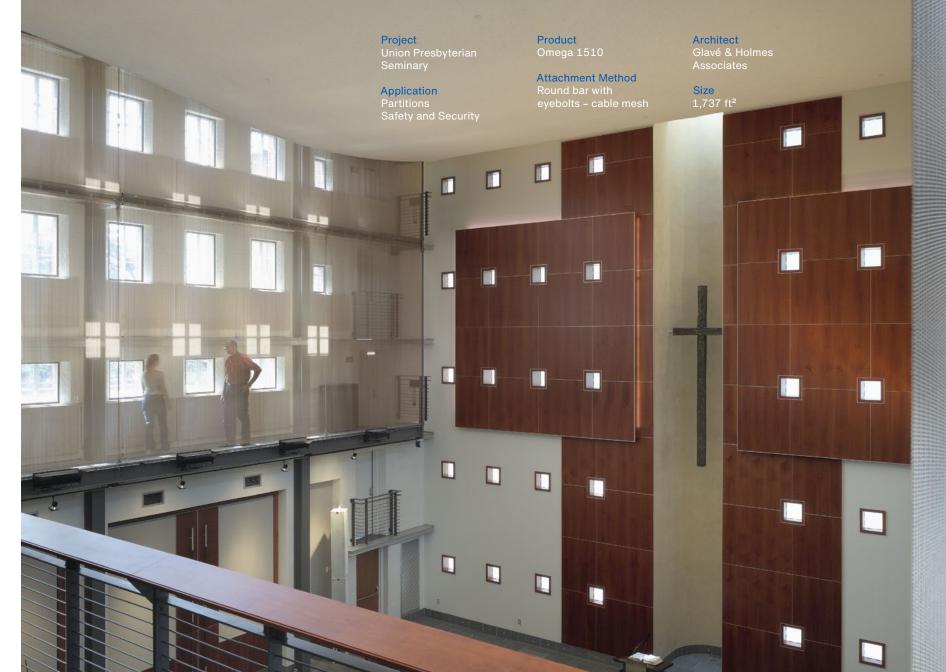


Sunshading, daylighting and graphic design combine to create a unique, 21st century learning environment. An etched pirate mascot promotes school spirit and creates an easily identifiable main entrance area.





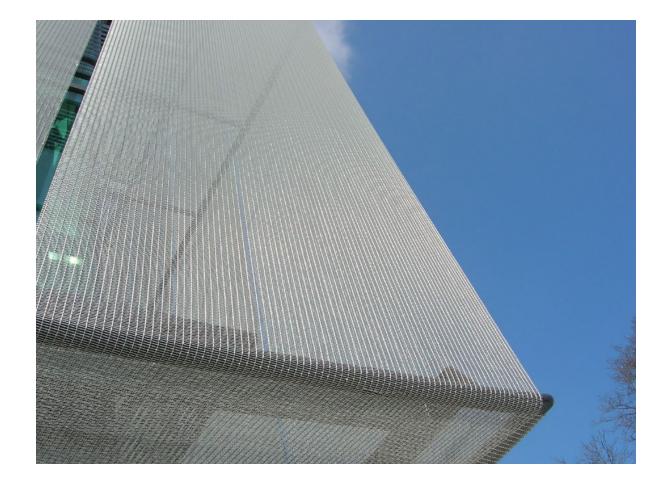
84/85

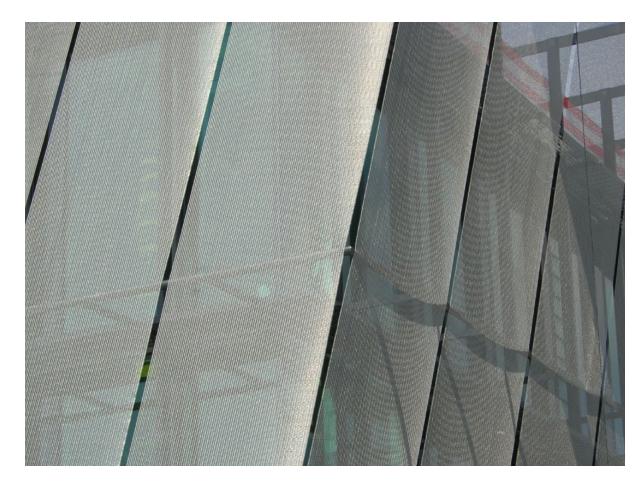


A clerestory screen of tension mounted, bronze metal fabric softly diffuses the natural light providing an ethereal, spiritual calm in a seminary chapel.



A custom metal fabric wraps around the FIFA World Headquarters, pirouetting like a world class soccer player. The fabric, woven of stainless steel and anodized aluminum rods is installed with custom engineered 90° changes of direction.





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Design: Standard Issue, Brooklyn NY



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