butem
metal form sanayi ve ticaret a.ş.

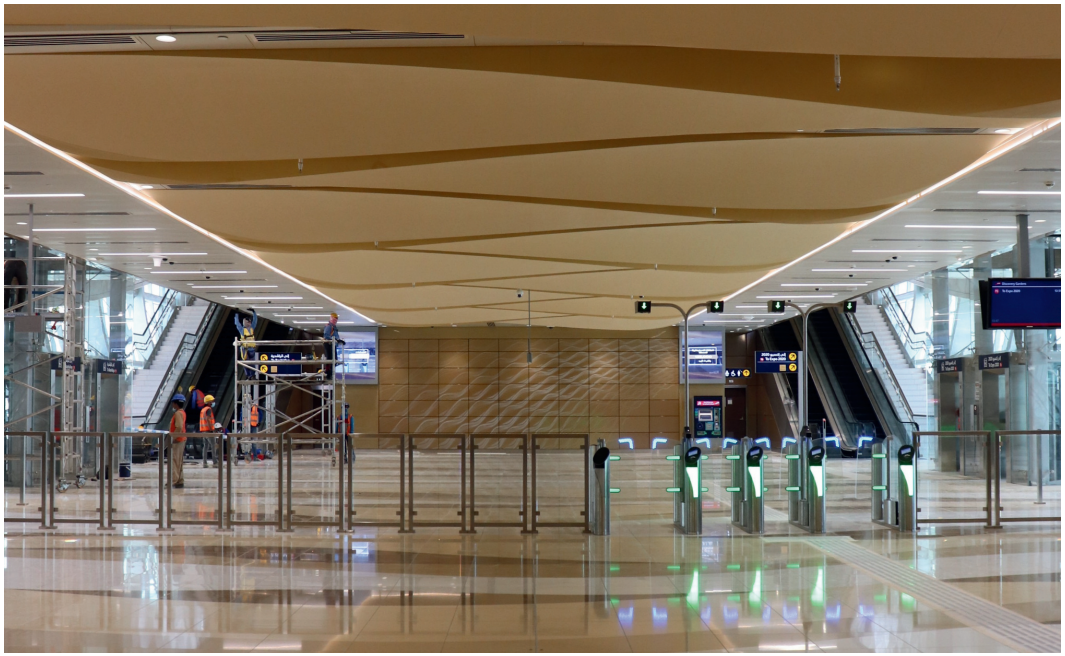
Products Catalog

CREATIVE METAL SUSPENDED CEILING SOLUTIONS



www.butemmetal.com





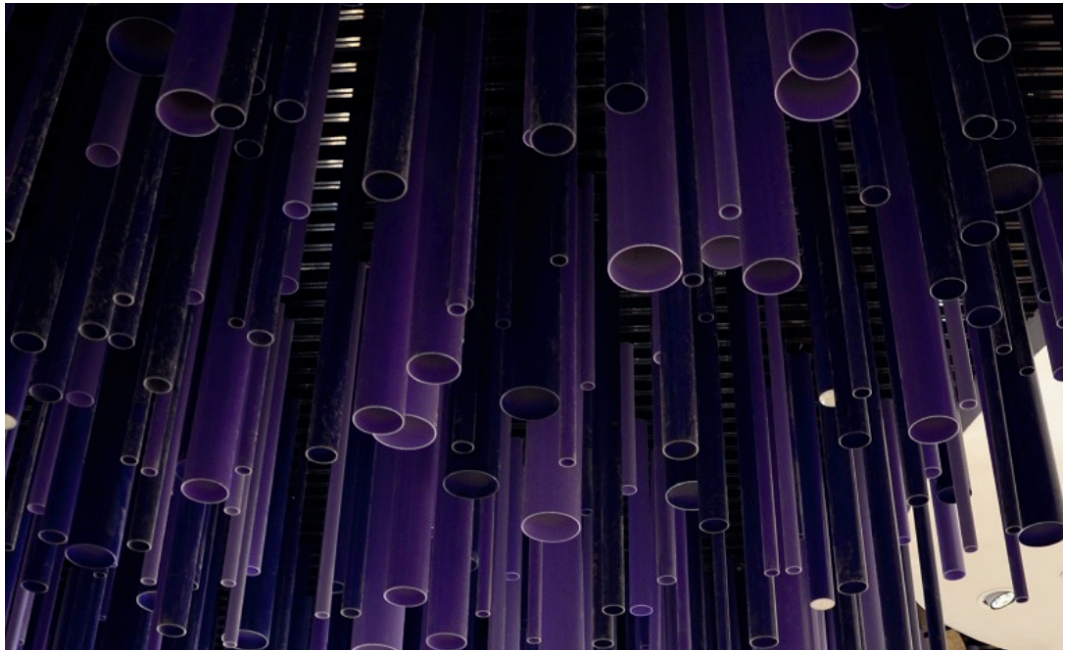


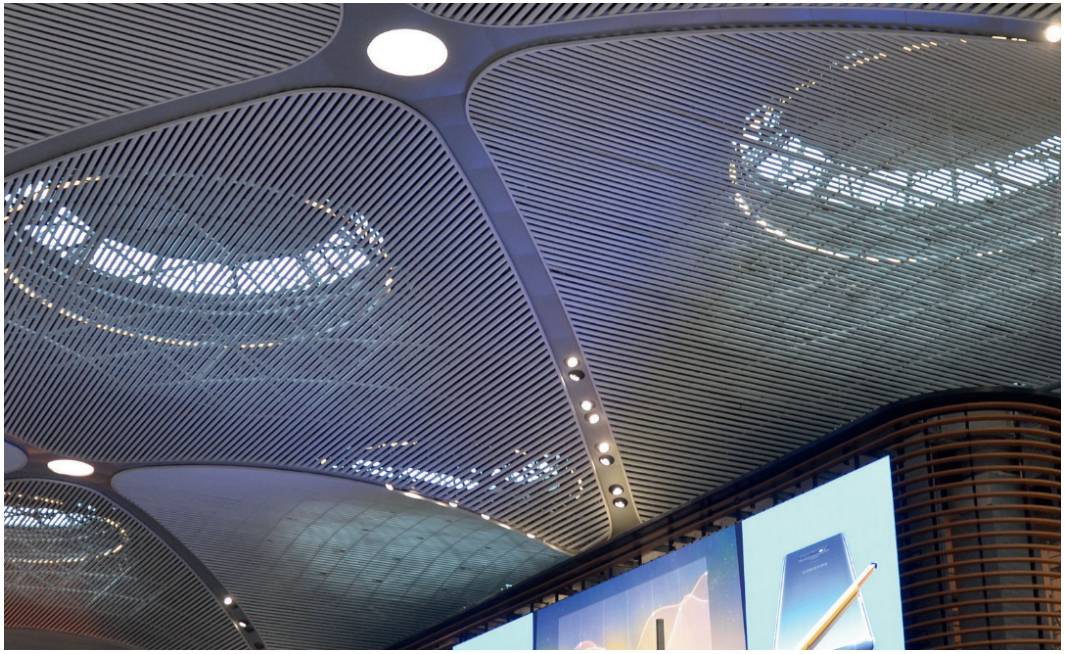


Dubai R38 - R70 - R71 - R72 Metro Stations
Dubai / UAE









İstanbul Airport
İstanbul / Türkiye

Contents

Who are we?	**7**
Products and Systems	**8**
Standart Systems	**8**
Special Systems	**9**
References	





Unique design solutions
for your projects

Riyadh Airport
Riyadh / Saudi Arabia

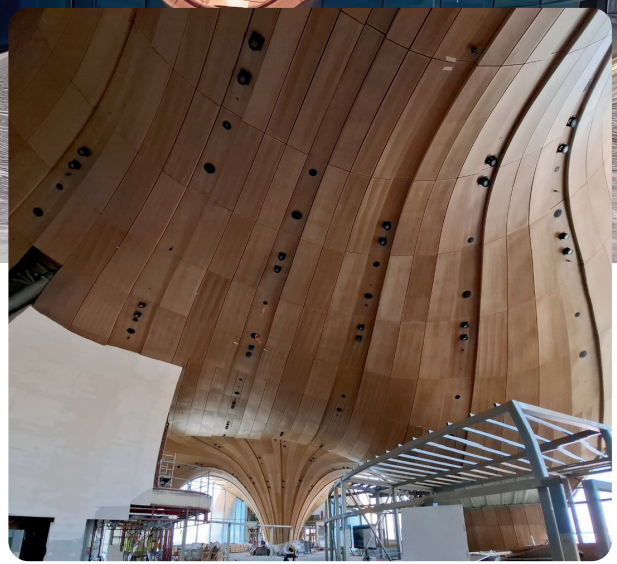




Very special and unique designs with the signature of Bütem Metal.

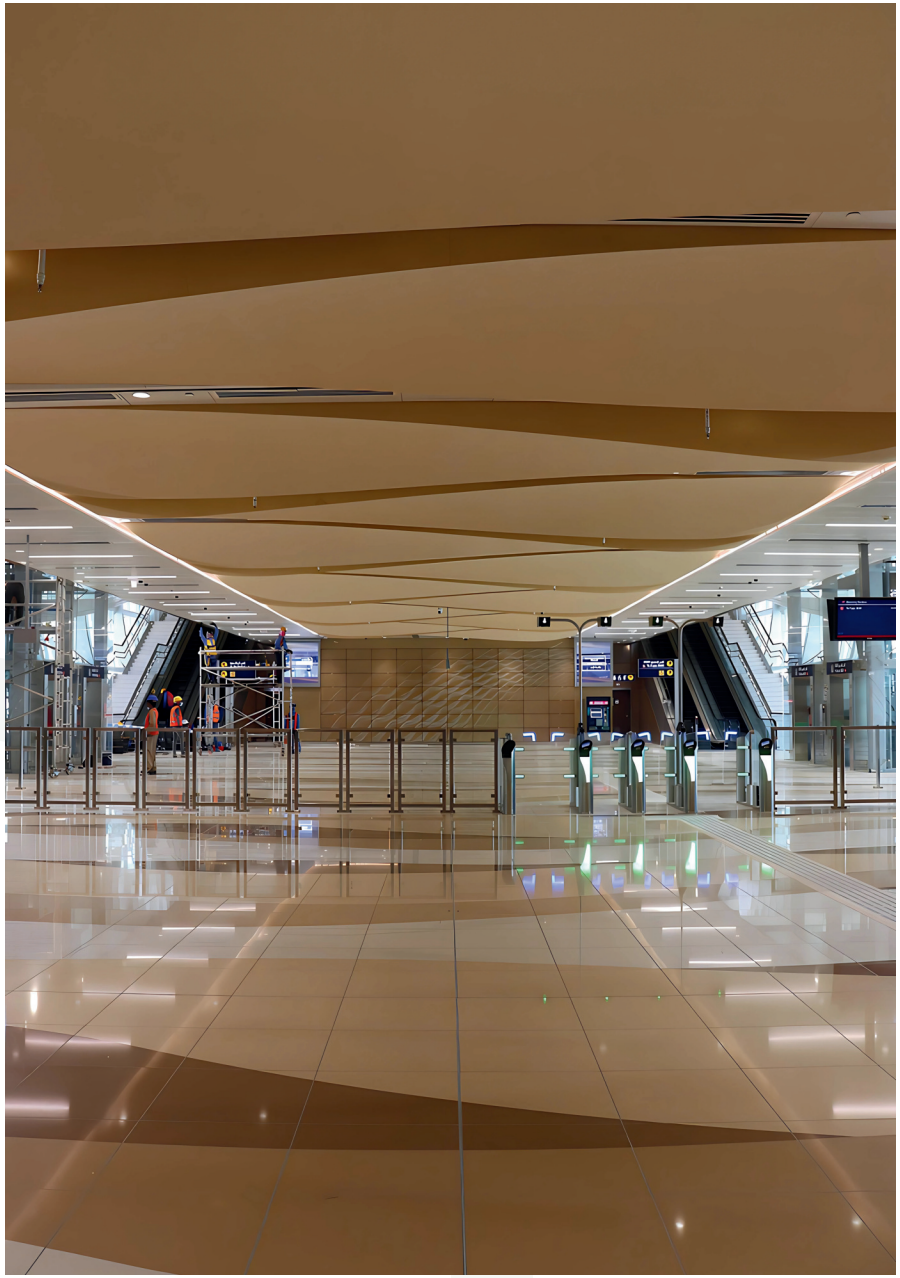
Construction of the IGA Istanbul Airport General Aviation Terminal building
İstanbul / Türkiye





Our unique Bütem project with wood-look system panels.

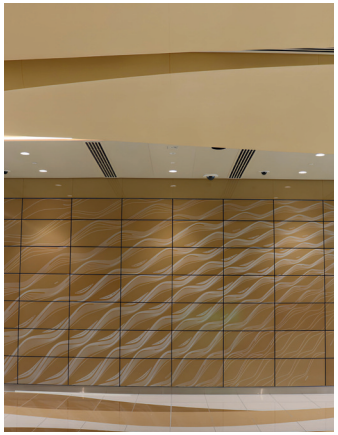
Construction of the IGA Istanbul Airport General Aviation Terminal building
İstanbul / Türkiye

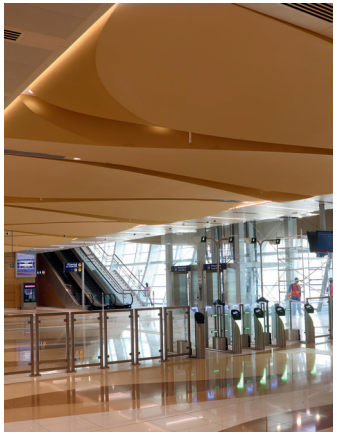


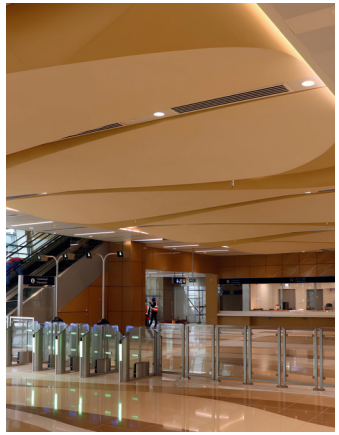
WHO ARE WE?

BUTEM INC.

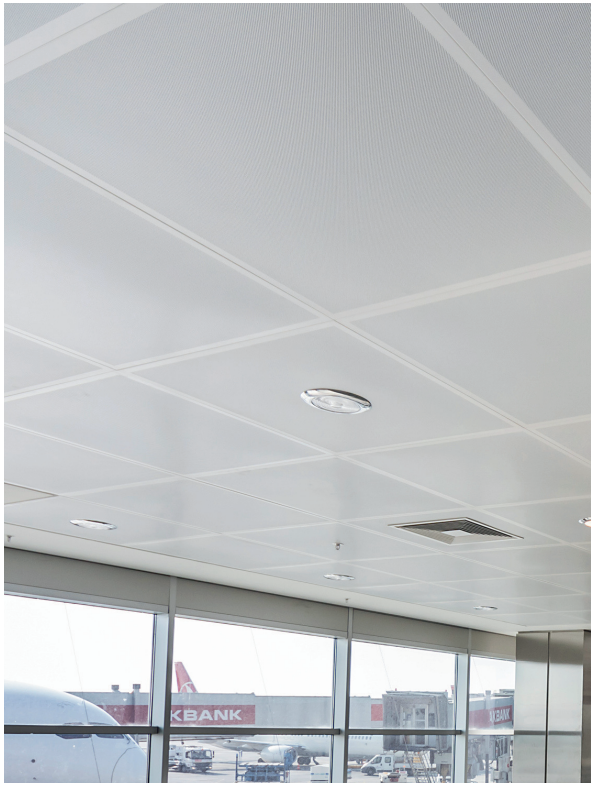
Founded in 1980, Bütem Metal has been operating for many years at its facility in Hadımköy, Istanbul, with extensive experience in metal processing. Making it a principle to follow technological advancements, Bütem A.Ş. designs its products using 3D modeling software and manufactures them on state-of-the-art machines without human intervention. The technologies used enhance production flexibility and efficiency, which translates into customer satisfaction, making the products increasingly in demand in the market each passing day.







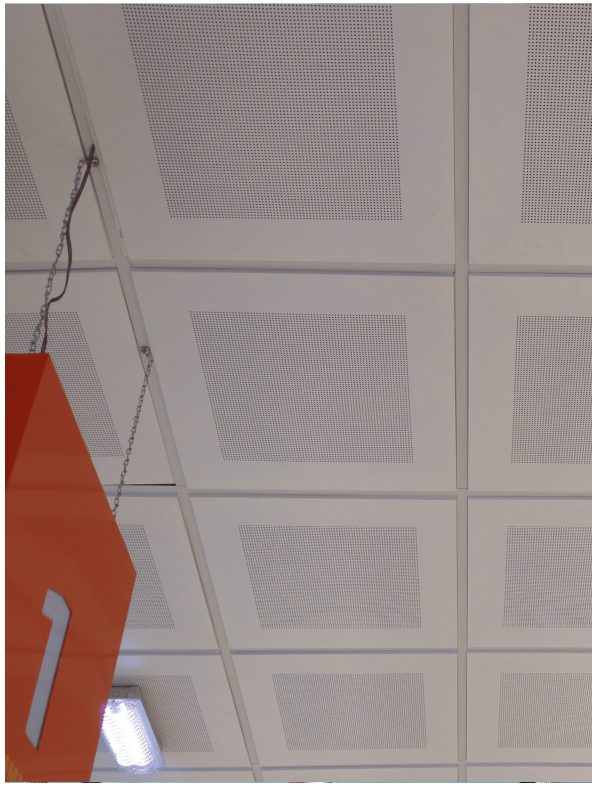
STANDART SYSTEMS



CLIP-IN SYSTEM

600 mm x 600 mm
600 mm x 1200 mm
It can be prepared in special
desired dimensions.

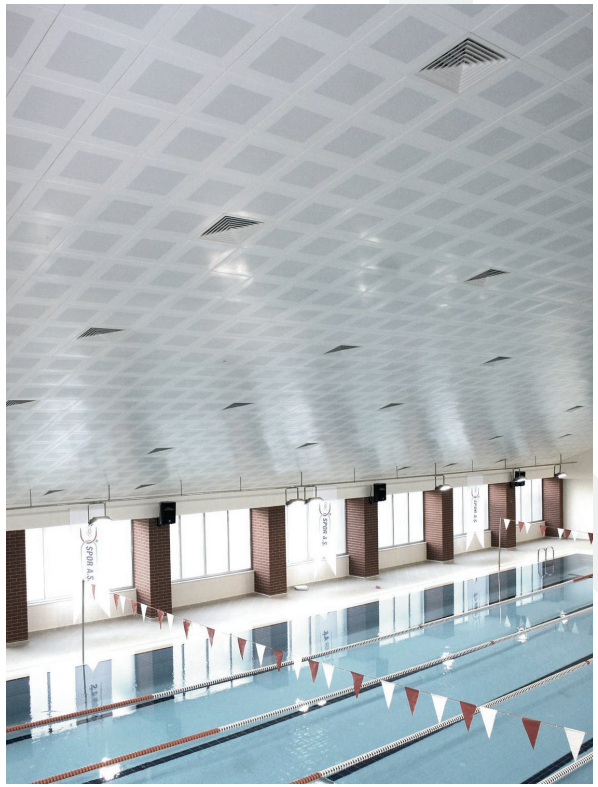
The most important feature of the Clip-in System is its ability to create a sleek, continuous joint appearance thanks to its concealed omega carriers. As a result, a smooth and flat surface can be achieved, and acoustic performance can be obtained through perforated panel options.



LAY-IN SYSTEM

600 mm x 600 mm
600 mm x 1200 mm
It can be prepared in special
desired dimensions.

The Lay-in System is an exposed grid system compatible with T-15, T-24, and T-70 carriers, where the panels are laid into the profiles. It offers fast installation and easy maintenance. Acoustic performance can be enhanced with perforation options.

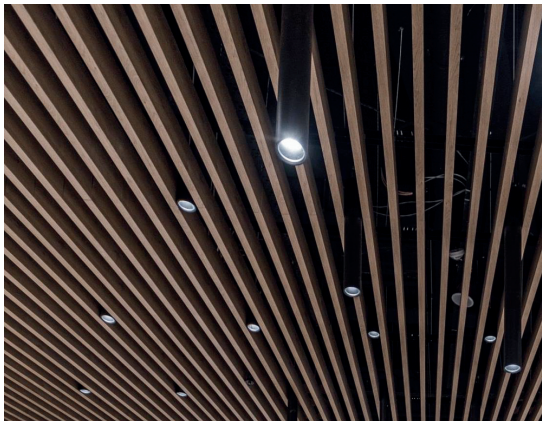


LAY-ON SYSTEM

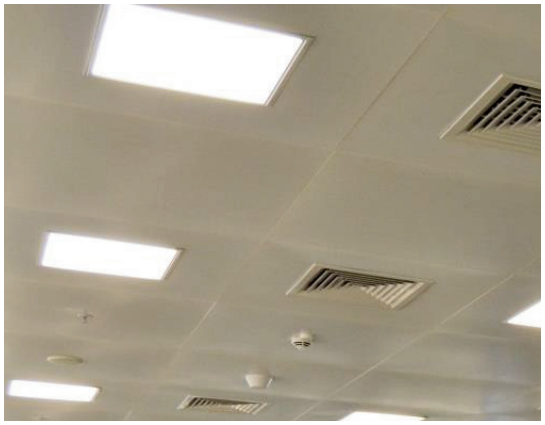
600 mm x 600 mm
600 mm x 1200 mm
It can be prepared in special
desired dimensions.

The Lay-on System is an exposed grid ceiling solution used with T-15 and T-24 carriers. The panels sit on top of the profiles, offering a modular appearance. It allows for easy installation and removal, and acoustic performance can be supported with perforation options.

SPECIAL SYSTEMS



BAFFLE



HOOK-ON



GEOMETRIC



BOX



ISLAND PANEL



DEMONTABLE SYSTEM

SPECIAL SYSTEMS



BANDRASTER



SLIMLINE



MULTIPANEL



FBS



INTERIOR CLADDING

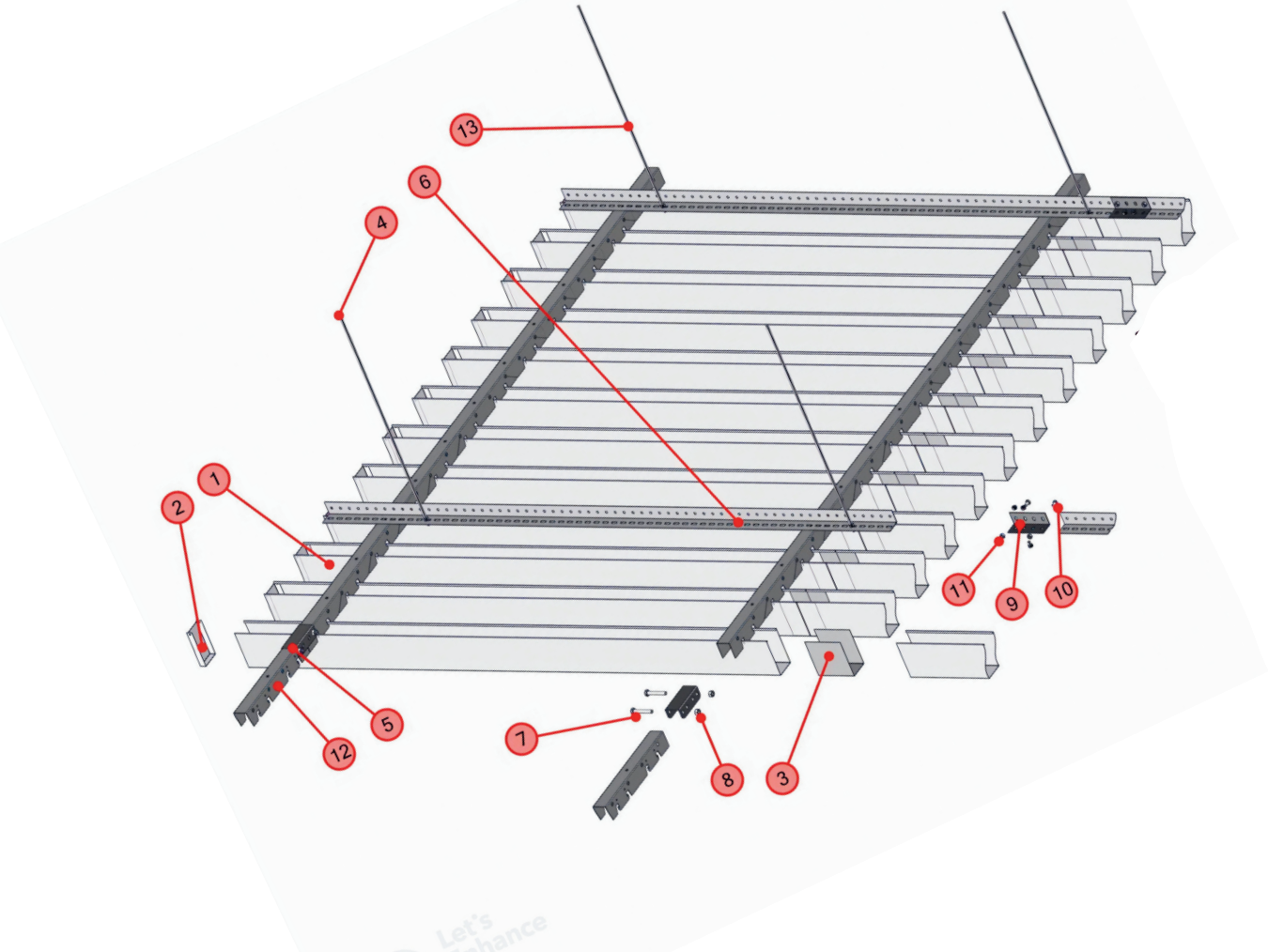


EXTERIOR CLADDING



BAFFLE SYSTEM

- Offers linear continuity for wide-open space design.
- The special locking system on the carrier profile ensures easy, safe and fast installation.
- Perforation can be applied for design and acoustic needs.
- Different baffle panel dimensions (W-H) and gap alternatives are possible in production.
- Different finishes possible, RAL color, Wood-like, Anodized...

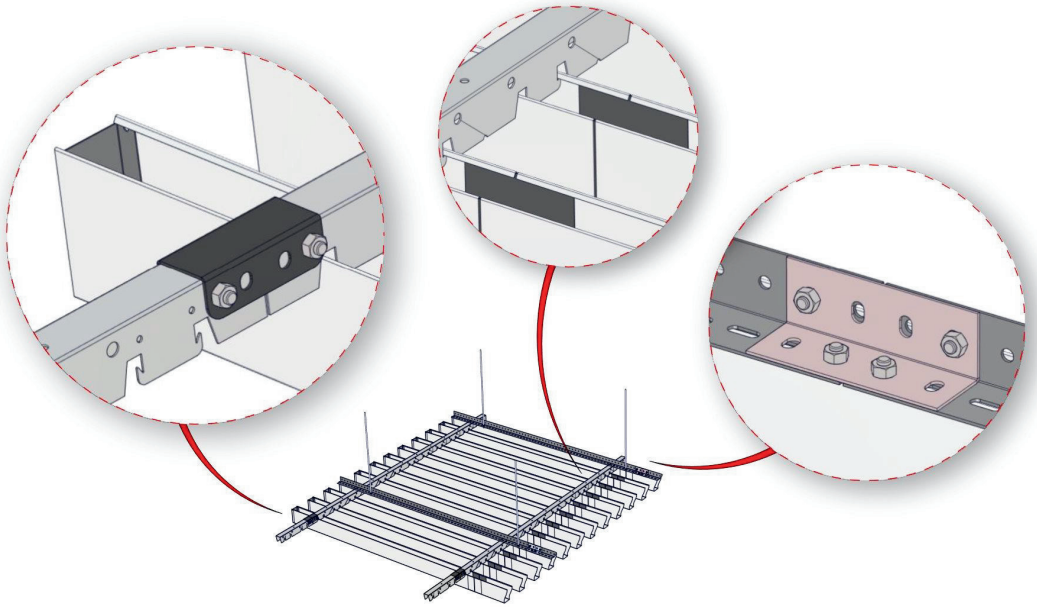


Technical Details

Description	ID
Baffle Panel	1
Baffle Panel End Cap	2
Baffle Panel Splice	3
Anchor	4
Baffle Carrier Splice	5
L Main Carrier	6
M8 Bolt	7
M8 Nut	8
L Profile Splice	9
M6 Bolt	10
M6 Nut	11
Baffle Carrier	12
Hanger Rod	13



BAFFLE SYSTEM



PANEL MATERIAL OPTIONS
Galvanized Steel/Aluminum

ACOUSTIC
High sound absorption values up to αw : 1.00 with acoustic fabric

HUMIDITY
Galvaniz panel : 90% RH
Aluminum panel : 100 % RH

LIGHT REFLECTION
Non-perforated: 9010 Painted 86%
Perforated: 9010 Painted 72%

HYGIENE
Thanks to the anti-microbial paint, high performance is achieved in preventing bacterial growth on the panel surface.

COLOR
Before painting, precise surface cleaning and phosphate coating are applied. Using a six-robot-arm electrostatic system, a minimum of 60 microns of paint is applied to the panel and cured in a 180-meter-long oven. The entire painting process is carried out automatically under computer control.

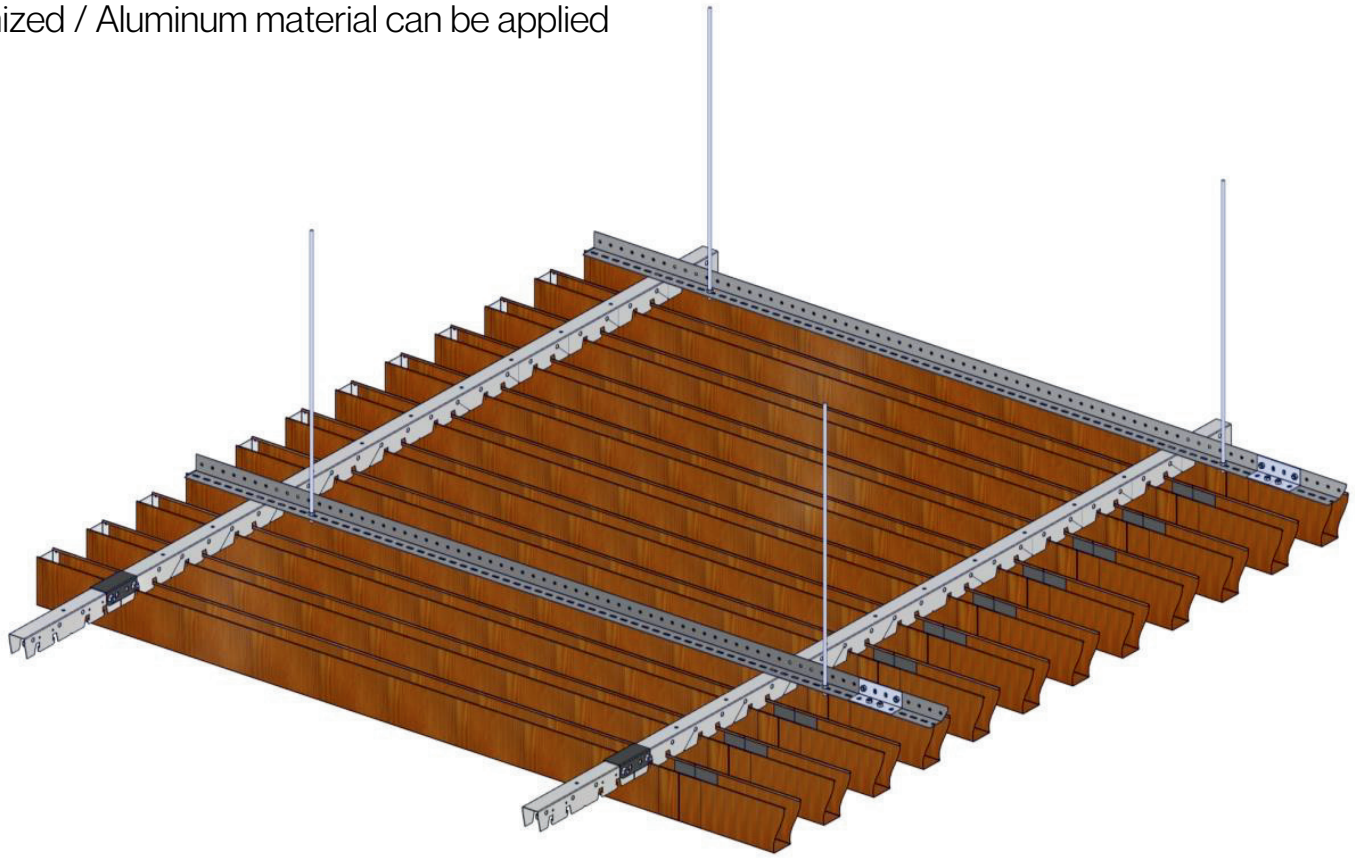


SPECIAL BAFFLE SYSTEM

✓ Standard Wood-Like Baffle

The wood-like baffle ceiling system reflects the characteristic advantages of wood while simultaneously eliminating the disadvantages of wood products.

Both Galvanized / Aluminum material can be applied



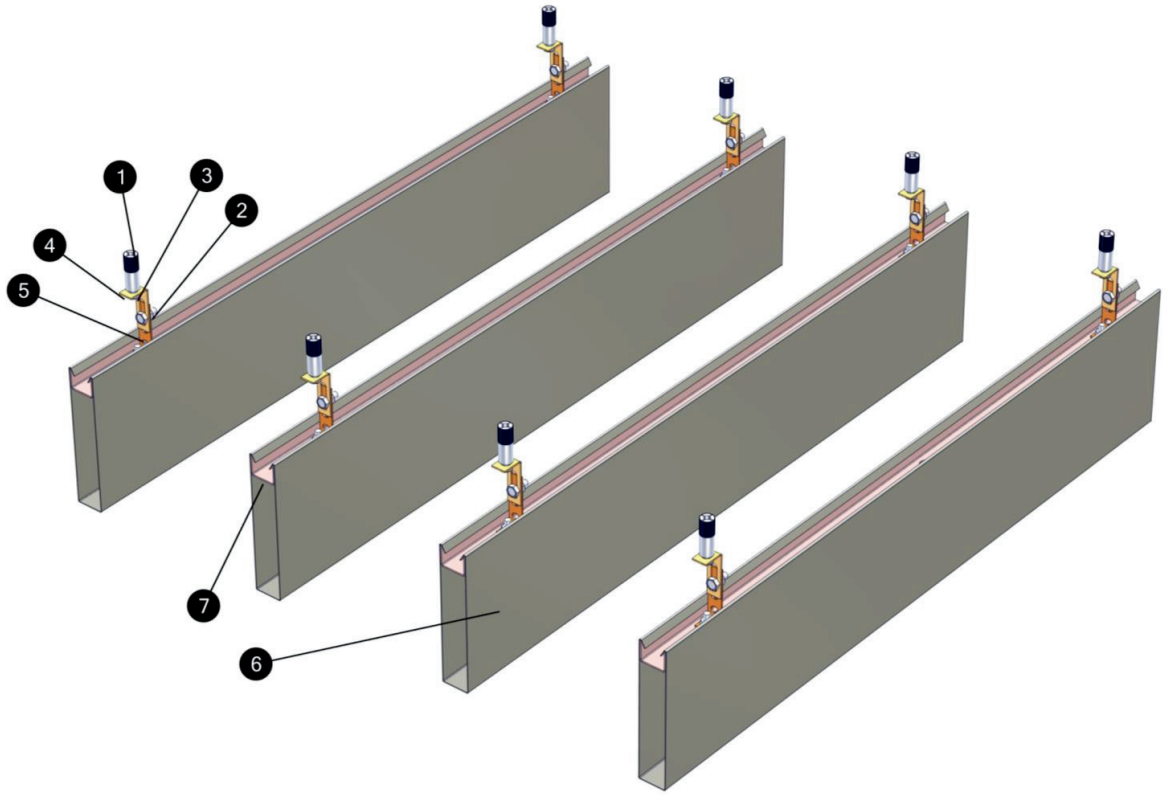

sbarro

SPECIAL BAFFLE SYSTEM

✓ Hidden Carrier Baffle

Since there is no visible carrier between the panels, this system offers the cleanest lines for the ceiling.

The gap between panels can be adjusted at any point during installation.



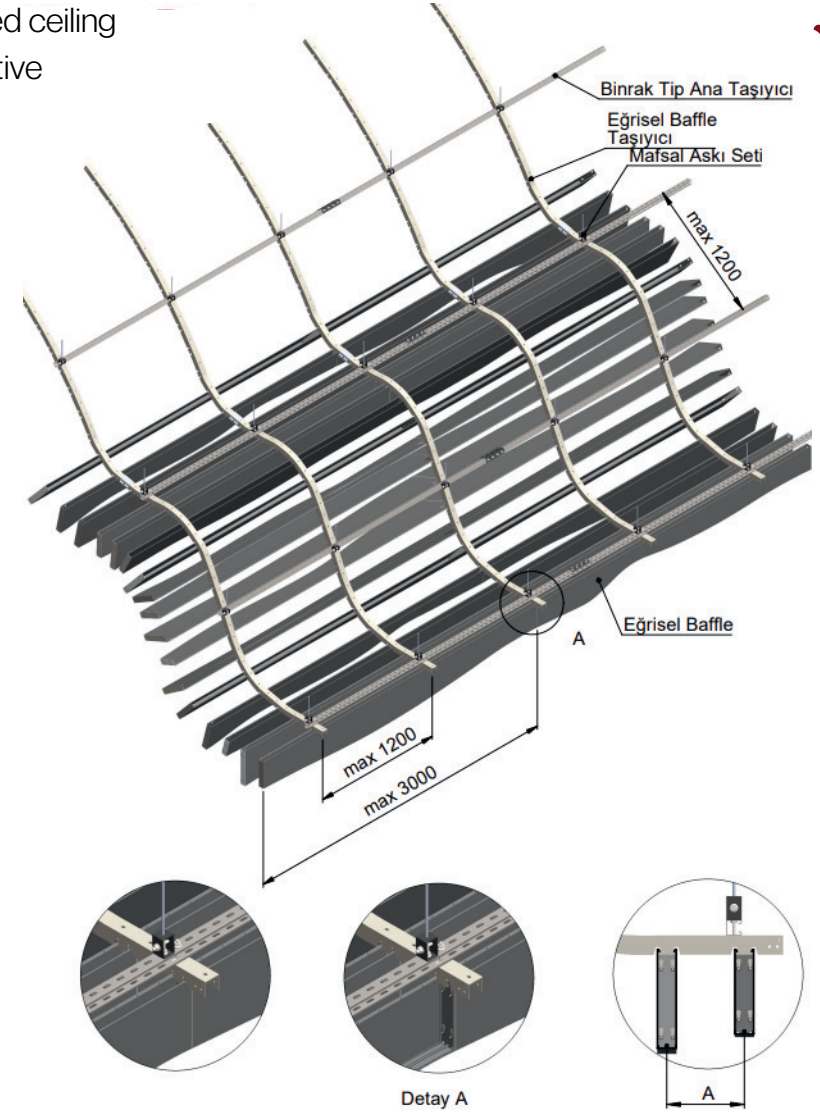
Technical Details

Description	ID
Anchor	1
M6 Nut	2
M6X20 Bolt	3
Upper L Bracket	4
Lower L Bracket	5
Baffle Panel	6
Hidden Carrier	7


UNIFREE
DUTY FREE

CURVILINEAR BAFFLE

- Curved Baffle systems are suspended ceiling systems that offer stylish and innovative solutions for linear ceiling designs.
- The special locking system on the carrier profile provides easy, safe and fast installation.



- It is possible to offer baffle panel alternatives in different curvatures and sizes in line with architectural expectations.
- Different colours and coatings are available. RAL painted, wood look.

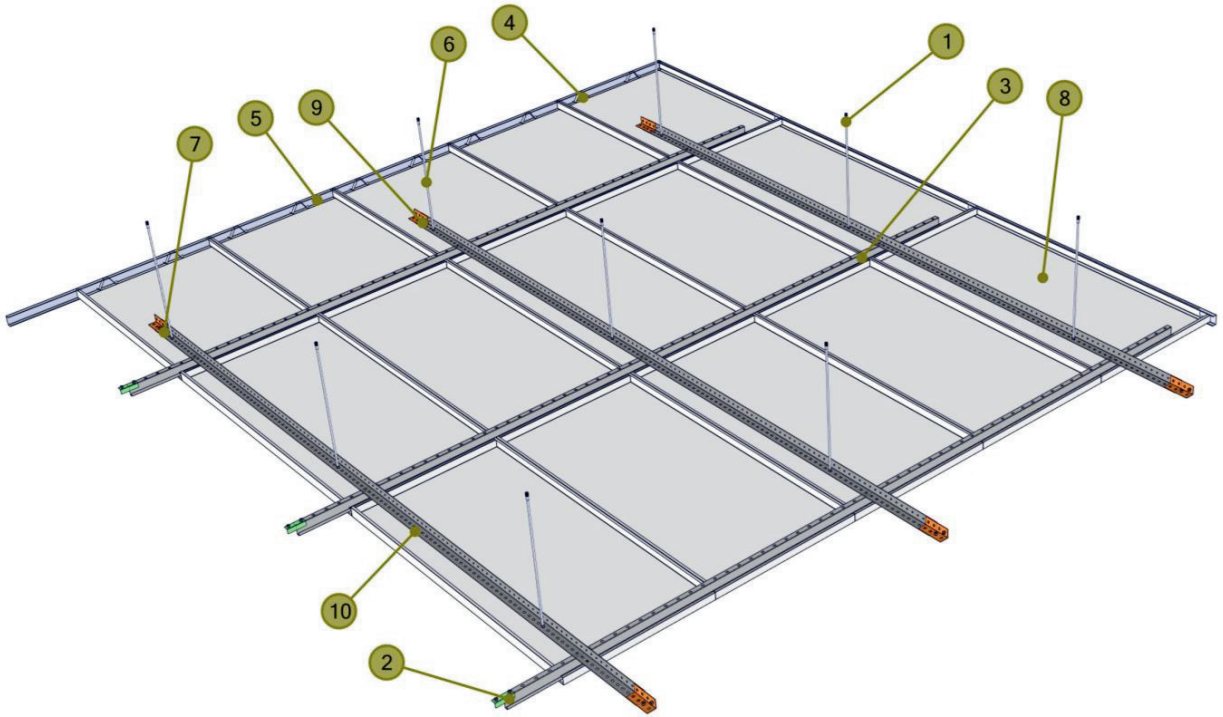


HOOK-ON SYSTEM

- With the Hook-on System, creating custom-sized panels is much easier and safer. The hook-on panel is hung on J-shaped crossbeams that are suspended diagonally from the L-shaped main bezel.

- Installation and removal are very easy. It is also possible to have panels of different sizes within a single system.

- Reason of it is a hidden system, Hook-on panels have a monolithic appearance.

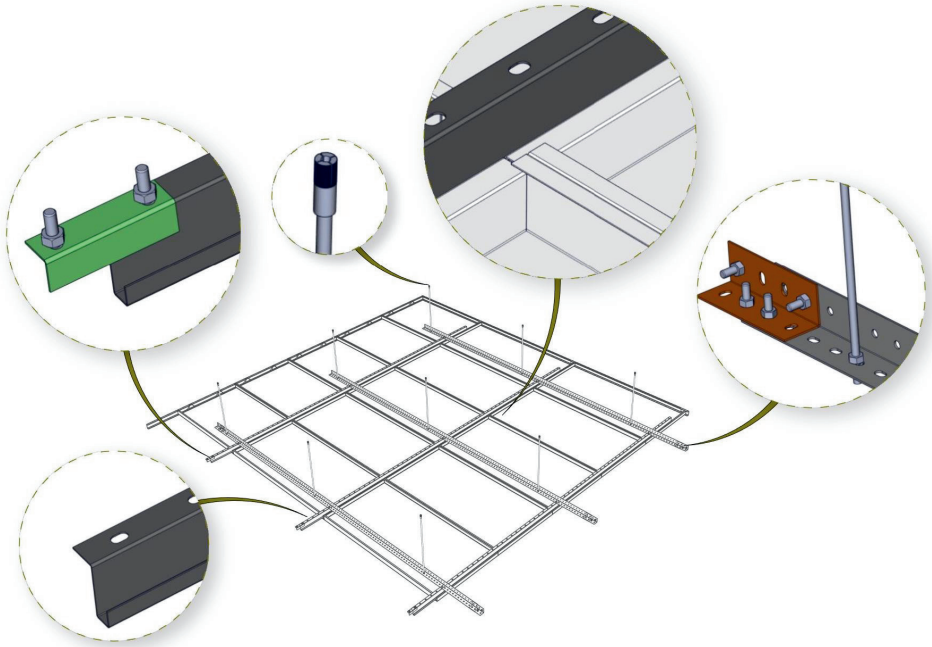


Technical Details

Description	ID
Rod Anchor	1
Hook-on J Profile Splicer	2
Hook-on J Profile	3
Pressure Clips	4
U Perimeter Trim	5
Threaded Rod	6
M6 Bolt & Nut	7
Hook-on Panel	8
L Main Carrier Splicer	9
L Main Carrier Profile	10



HOOK-ON SYSTEM



PANEL MATERIAL OPTIONS
Galvanized Steel/Aluminum /Stainless steel

ACOUSTIC
High sound absorption values up to αw : 1.00 with acoustic fabric

HUMIDITY
Galvaniz panel : 90% RH
Aluminum panel : 100 % RH

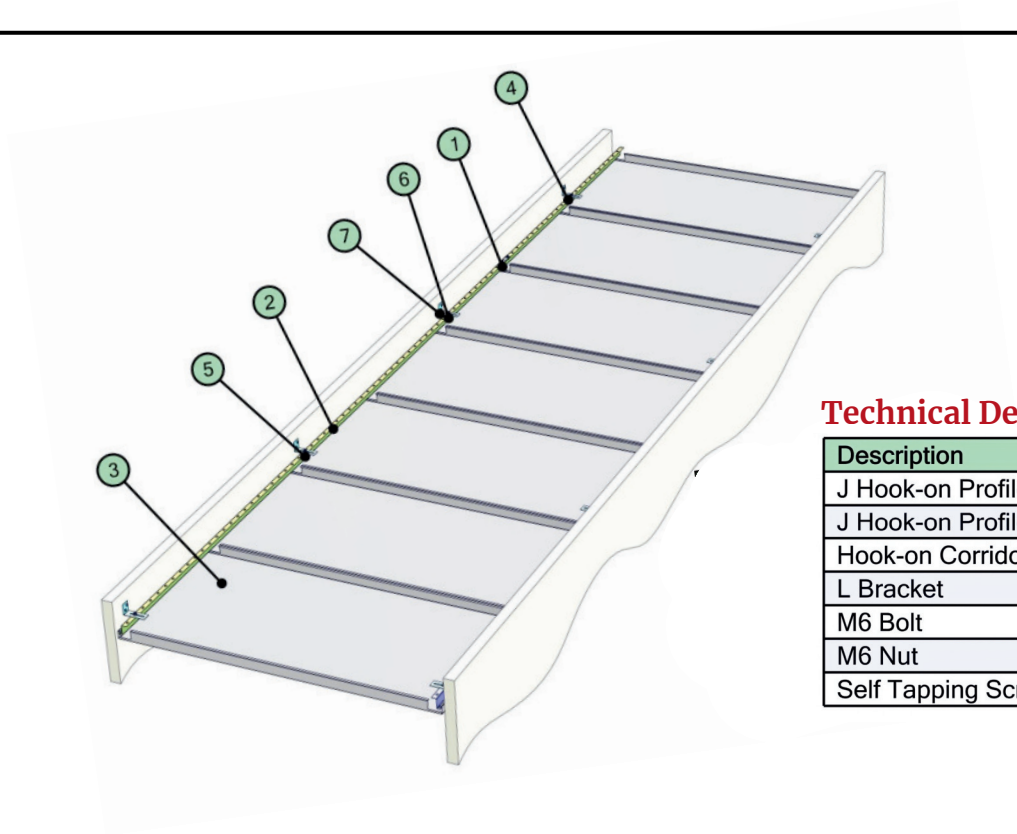
LIGHT REFLECTION
Non-perforated: 9010 Painted 86%
Perforated: 9010 Painted 72%

HYGIENE
Thanks to the anti-microbial paint, high performance is achieved in preventing bacterial growth on the panel surface.

COLOR
Before painting, precise surface cleaning and phosphate coating are applied. Using a six-robot-arm electrostatic system, a minimum of 60 microns of paint is applied to the panel and cured in a 180-meter-long oven. The entire painting process is carried out automatically under computer control.



HOOK-ON CORRIDOR SYSTEM



Technical Details

Description	ID
J Hook-on Profile Splicer	1
J Hook-on Profile	2
Hook-on Corridor Panel	3
L Bracket	4
M6 Bolt	5
M6 Nut	6
Self Tapping Screw	7

PANEL MATERIAL OPTIONS
Galvanized Steel/Aluminum /Stainless steel

ACOUSTIC
High sound absorption values up to αw : 1.00 with acoustic fabric

HUMIDITY
Galvaniz panel : 90% RH
Aluminum panel : 100 % RH

LIGHT REFLECTION
Non-perforated: 9010 Painted 86%
Perforated: 9010 Painted 72%

HYGIENE
Thanks to the anti-microbial paint, high performance is achieved in preventing bacterial growth on the panel surface.

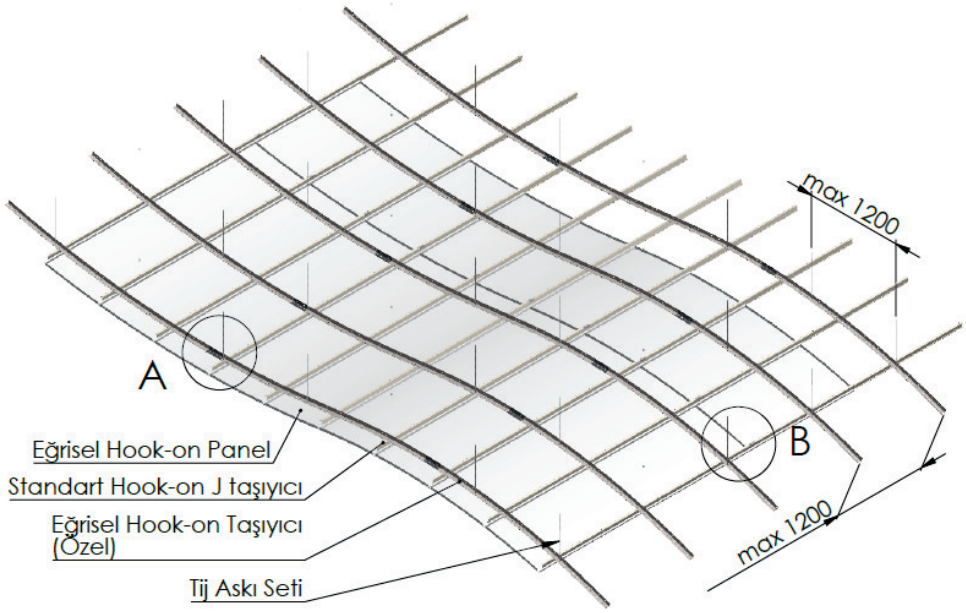
COLOR
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CURVILINEAR HOOK-ON SYSTEM

- Hook-on panel alternatives with different curvatures and sizes can be offered in line with architectural expectations.

- With the Hook-on System, creating custom-sized panels is much easier and safer.





Detay A



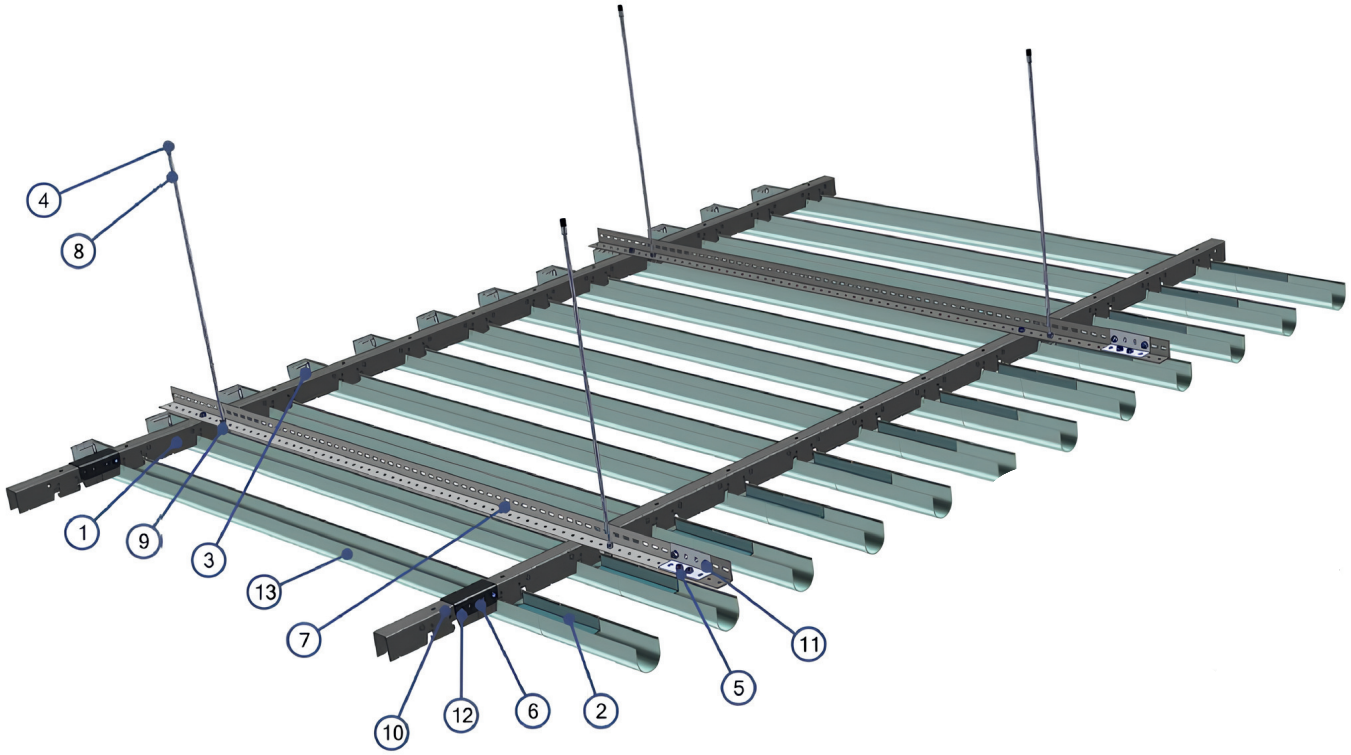
Detay B



GEOMETRIC SYSTEM

✓ The C Baffle ceiling system is preferred to achieve striking ceiling designs for special architectural projects. Thanks to the special locking system in the supporting profiles, it provides savings in labor costs.

✓ Axis spacing and panel dimensions can be customized in special sizes, providing design flexibility for projects.

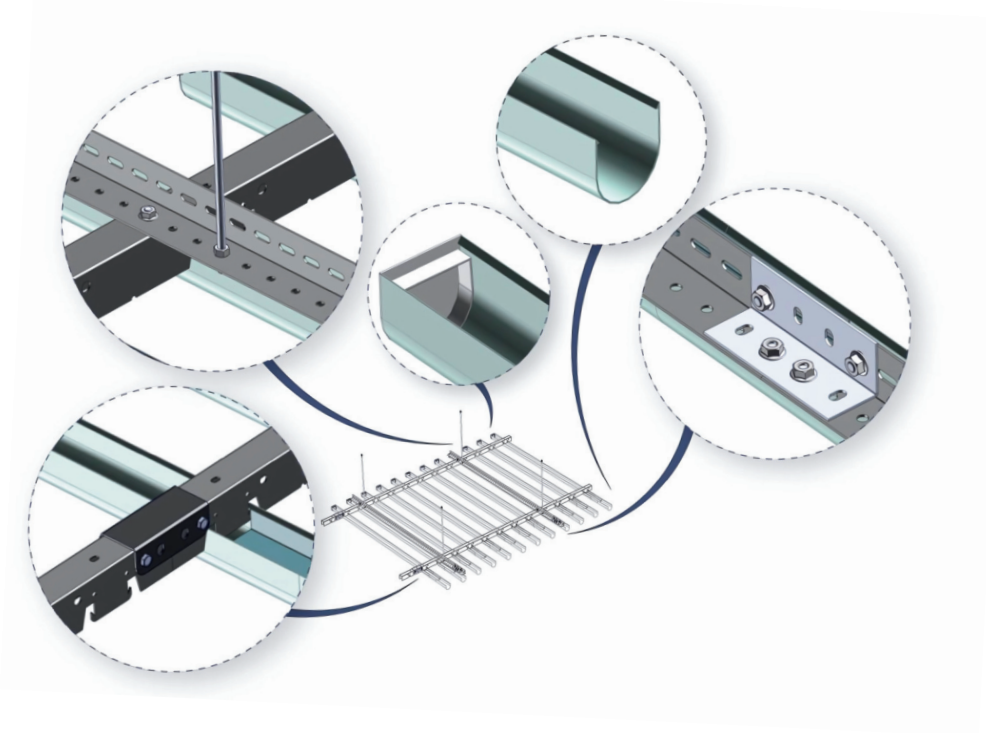


Technical Details

Description	ID
Baffle Omega Carrier Profile	1
Baffle Panel Splicer	2
Baffle End Cap	3
Anchor	4
Main Carrier Splicer	5
Omega Carrier Splicer	6
L Main Carier	7
M6 Rod	8
M6 Nut	9
M6 Nut	10
M6x10 Bolt	11
M6x50 Bolt	12
Baffle Panel	13



GEOMETRIC SYSTEM



PANEL MATERIAL OPTIONS
Galvanized Steel/Aluminum

ACOUSTIC
High sound absorption values up to αw : 1.00 with acoustic fabric

HUMIDITY
Galvaniz panel : 90% RH
Aluminum panel : 100 % RH

LIGHT REFLECTION
Non-perforated: 9010 Painted 86%
Perforated: 9010 Painted 72%

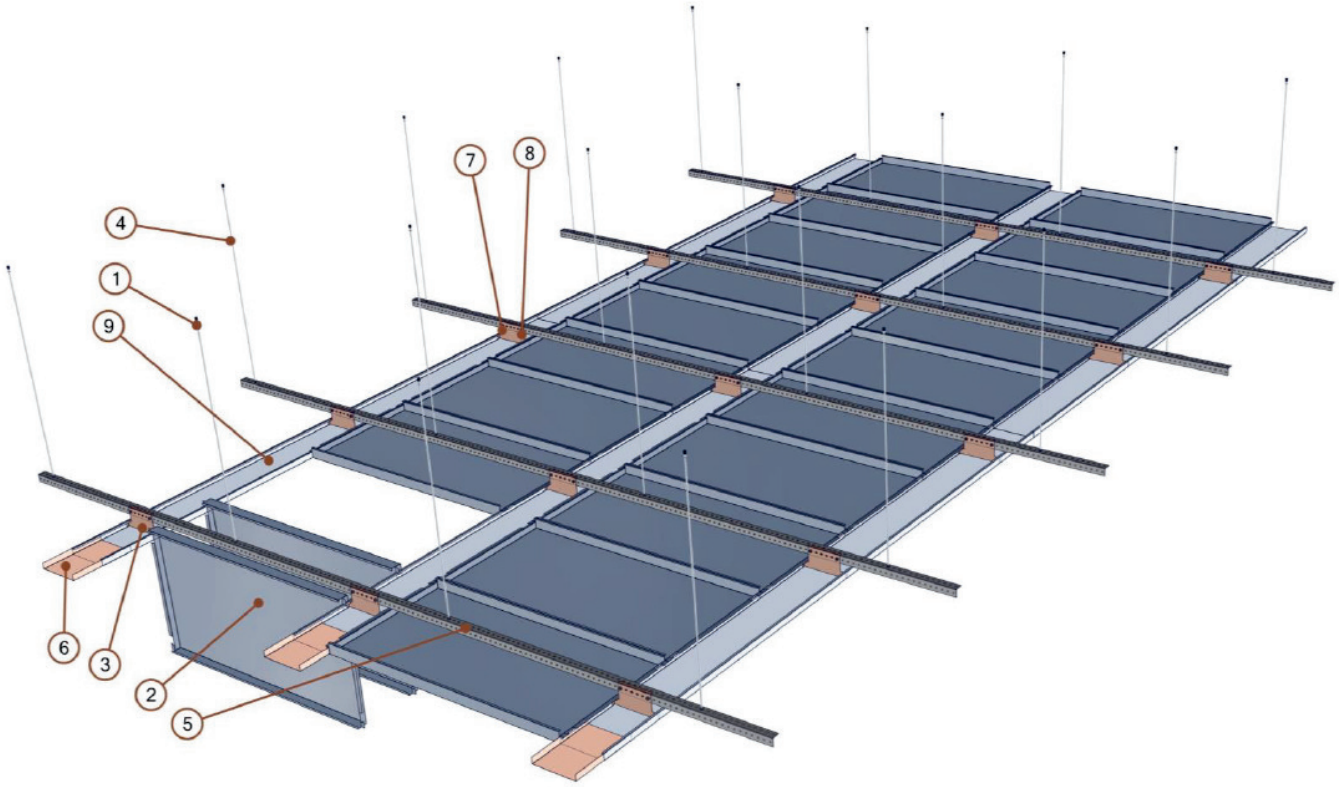
HYGIENE
Thanks to the anti-microbial paint, high performance is achieved in preventing bacterial growth on the panel surface.

COLOR
Before painting, precise surface cleaning and phosphate coating are applied. Using a six-robot-arm electrostatic system, a minimum of 60 microns of paint is applied to the panel and cured in a 180-meter-long oven. The entire painting process is carried out automatically under computer control.



BANDRASTER SYSTEM

✓ Since the carrier profiles of the Bandraster system have an architectural appearance that continues in one direction, it is suitable for large areas.

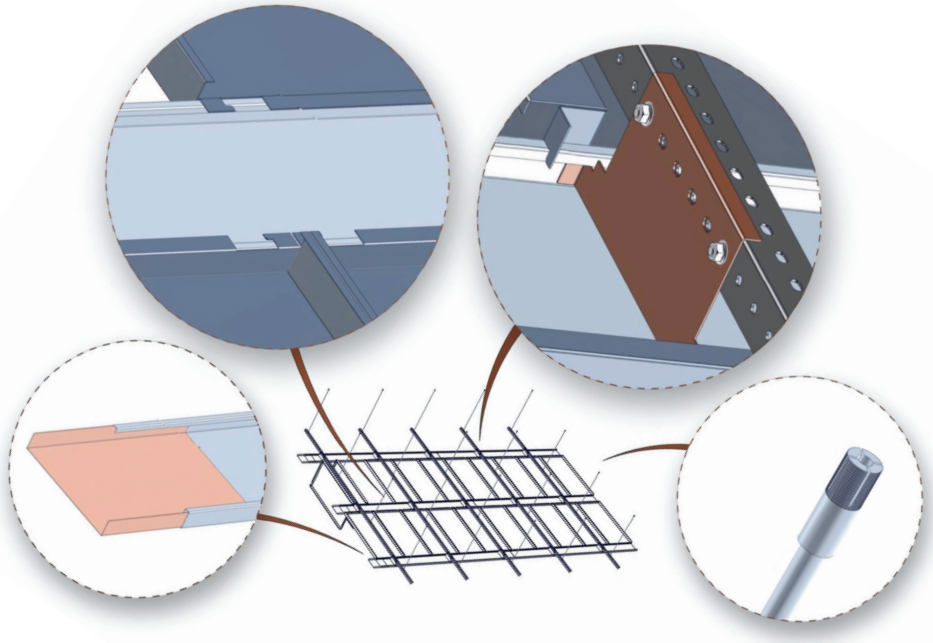


Technical Details

Description	ID
Anchor	1
Lineer bandraster panel	2
Connector	3
M6 Rod	4
L Main Carrier	5
Splicer	6
M6 Bolt	7
M6 Nut	8
Bandraster Profile	9



BANDRASTER SYSTEM



PANEL MATERIAL OPTIONS
Galvanized Steel/Aluminum /Stainless steel

ACOUSTIC
High sound absorption values up to αw : 1.00 with acoustic fabric

HUMIDITY
Galvaniz panel : 90% RH
Aluminum panel : 100 % RH

LIGHT REFLECTION
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Perforated: 9010 Painted 72%

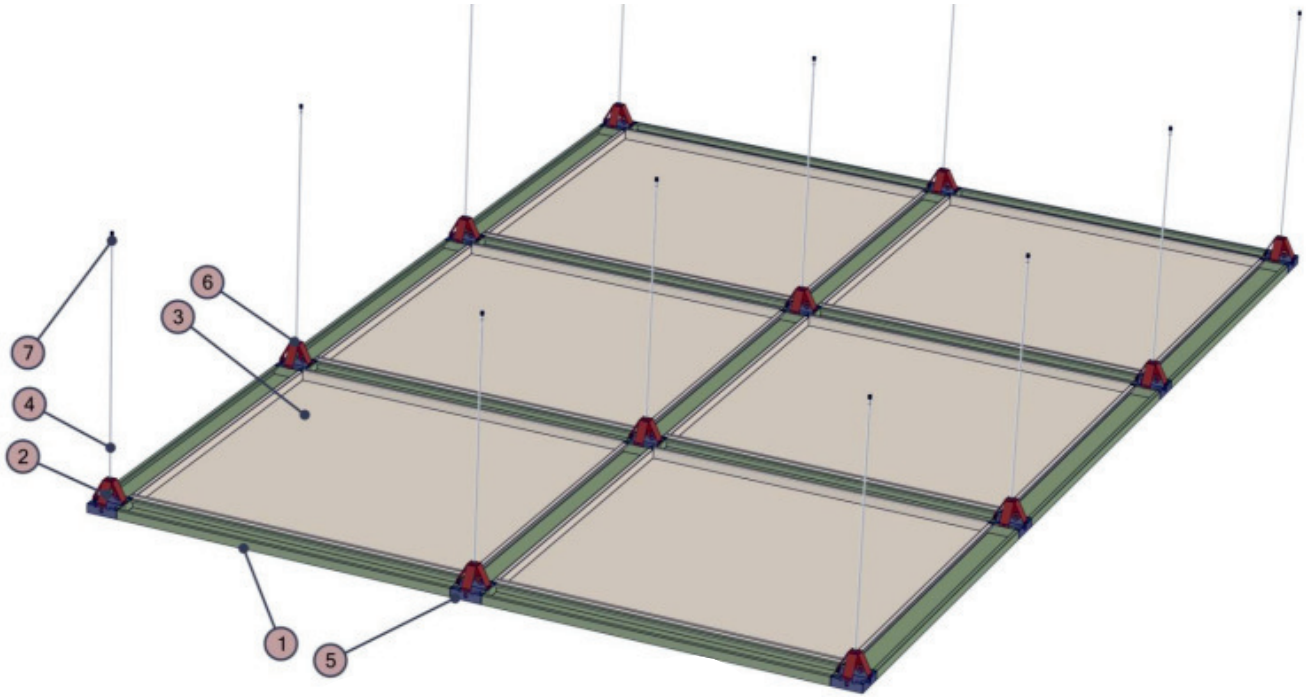
HYGIENE
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COLOR
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BOX SYSTEM

✓ Box ceiling system is formed by visible wide carriers and large size panels. The appearance is preferred for large scale spaces.

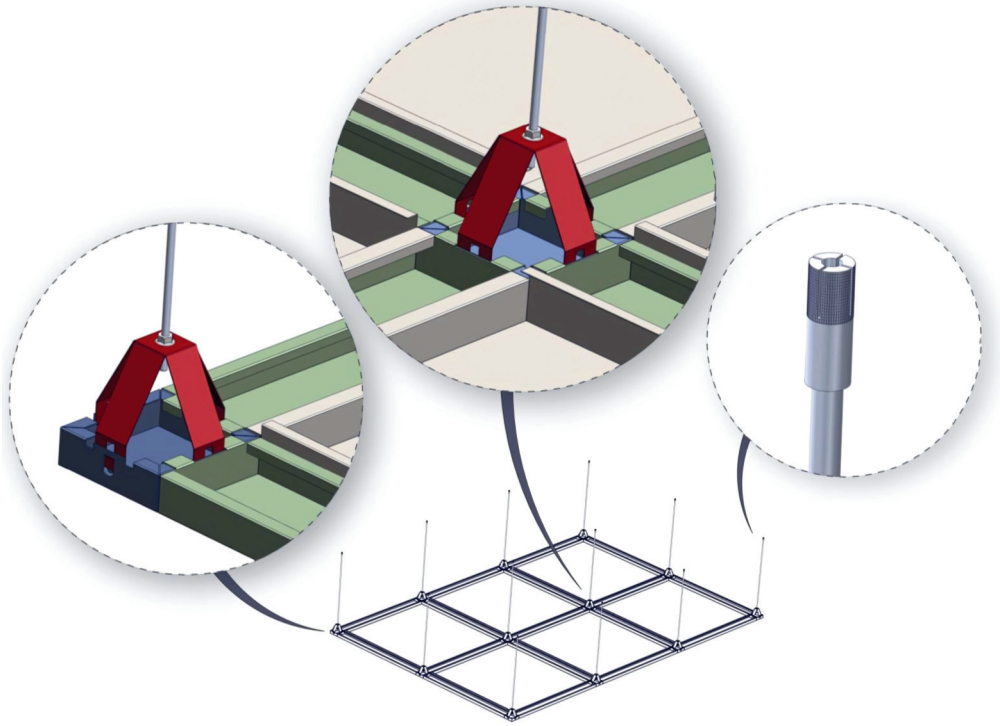


Technical Details

Description	ID
Cross Carrier 1200	1
Hanger Bracket	2
Box Panel	3
Hanger Wire M6	4
Box Carrier	5
M6 Nut	6
Anchor	7



BOX SYSTEM



PANEL MATERIAL OPTIONS
Galvanized Steel/Aluminum /Stainless steel

ACOUSTIC
High sound absorption values up to αw : 1.00 with acoustic fabric

HUMIDITY
Galvaniz panel : 90% RH
Aluminum panel : 100 % RH

LIGHT REFLECTION
Non-perforated: 9010 Painted 86%
Perforated: 9010 Painted 72%

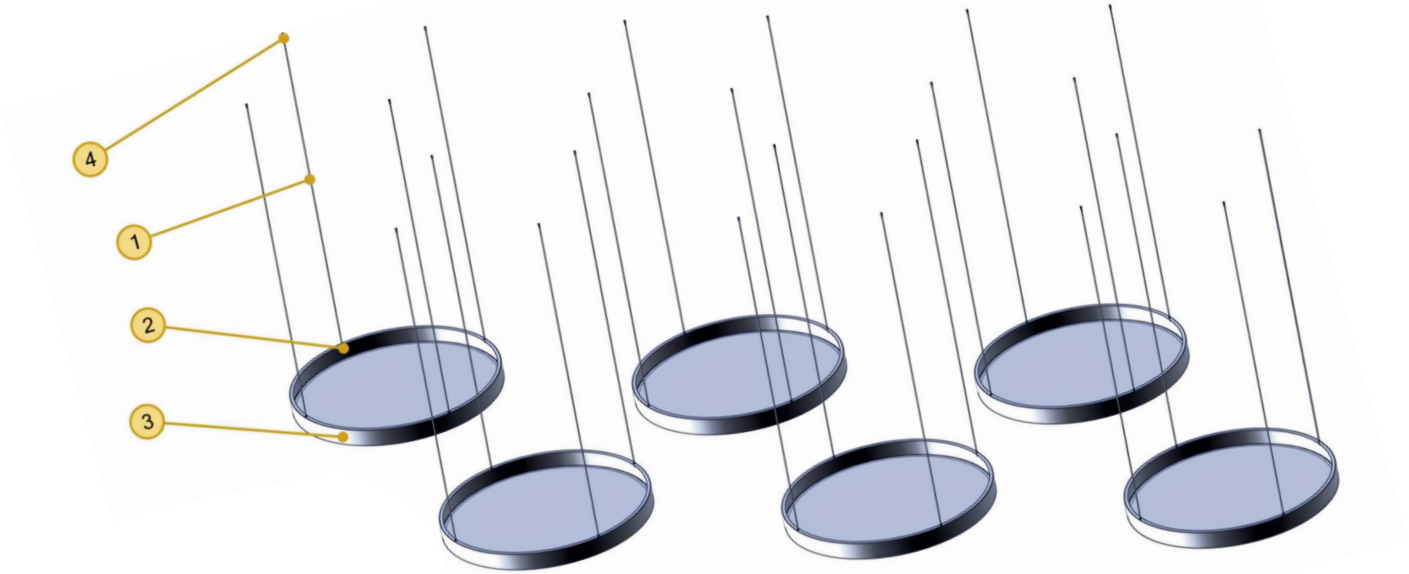
HYGIENE
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COLOR
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ISLAND PANEL SYSTEM

- Angle Types: Flat, low slope, high slope, or can be suspended on a wall.
- Shape Types: Wide shapes and dimensions, with customizable shape and layout options.
- Arrangement Types: Installation individually, in groups, or in combination.
- Different perforation and color options are available.
- It contributes to the acoustics of the space with its sound absorption value.
- Increases sound absorption.



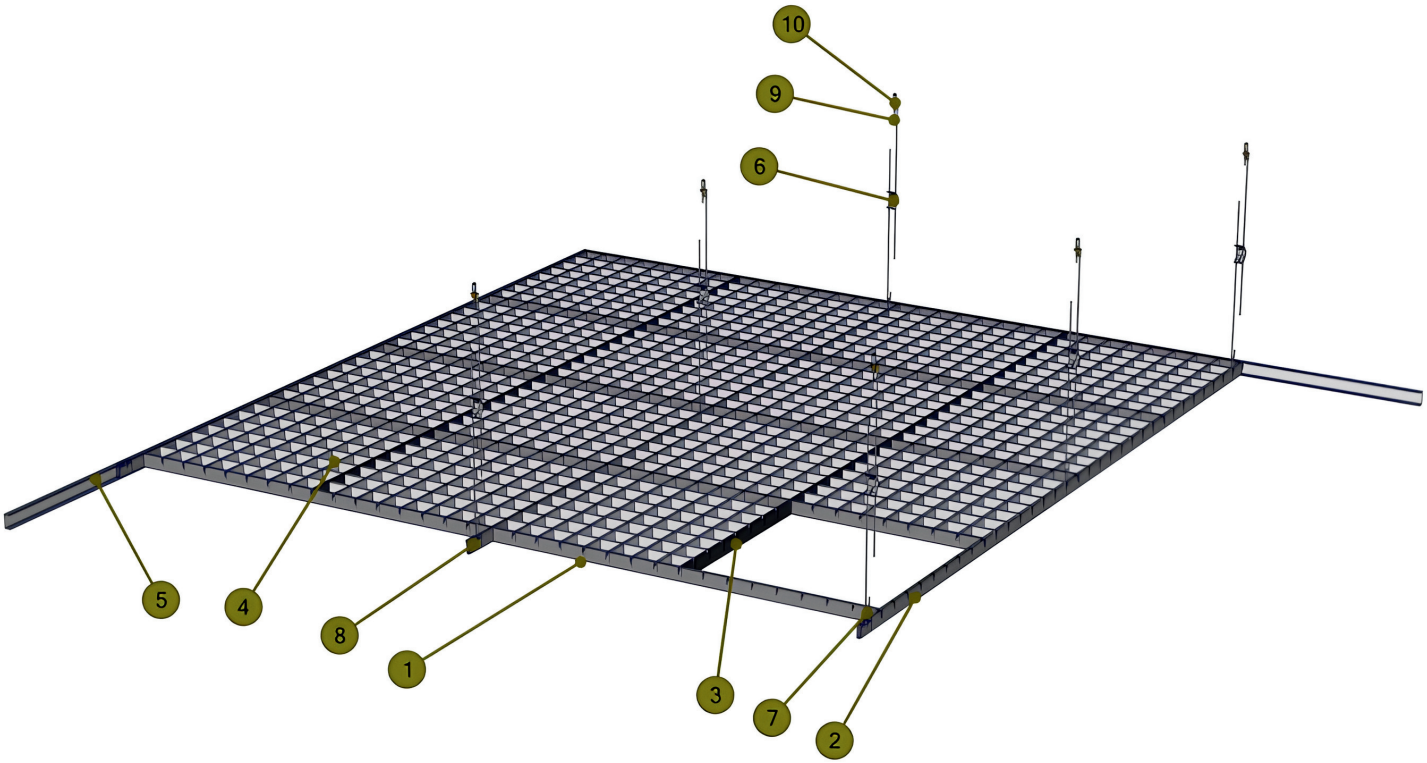
Technical Details

Description	ID
Threaded Rod	1
M6 Nut	2
Island Panel	3
Anchor	4



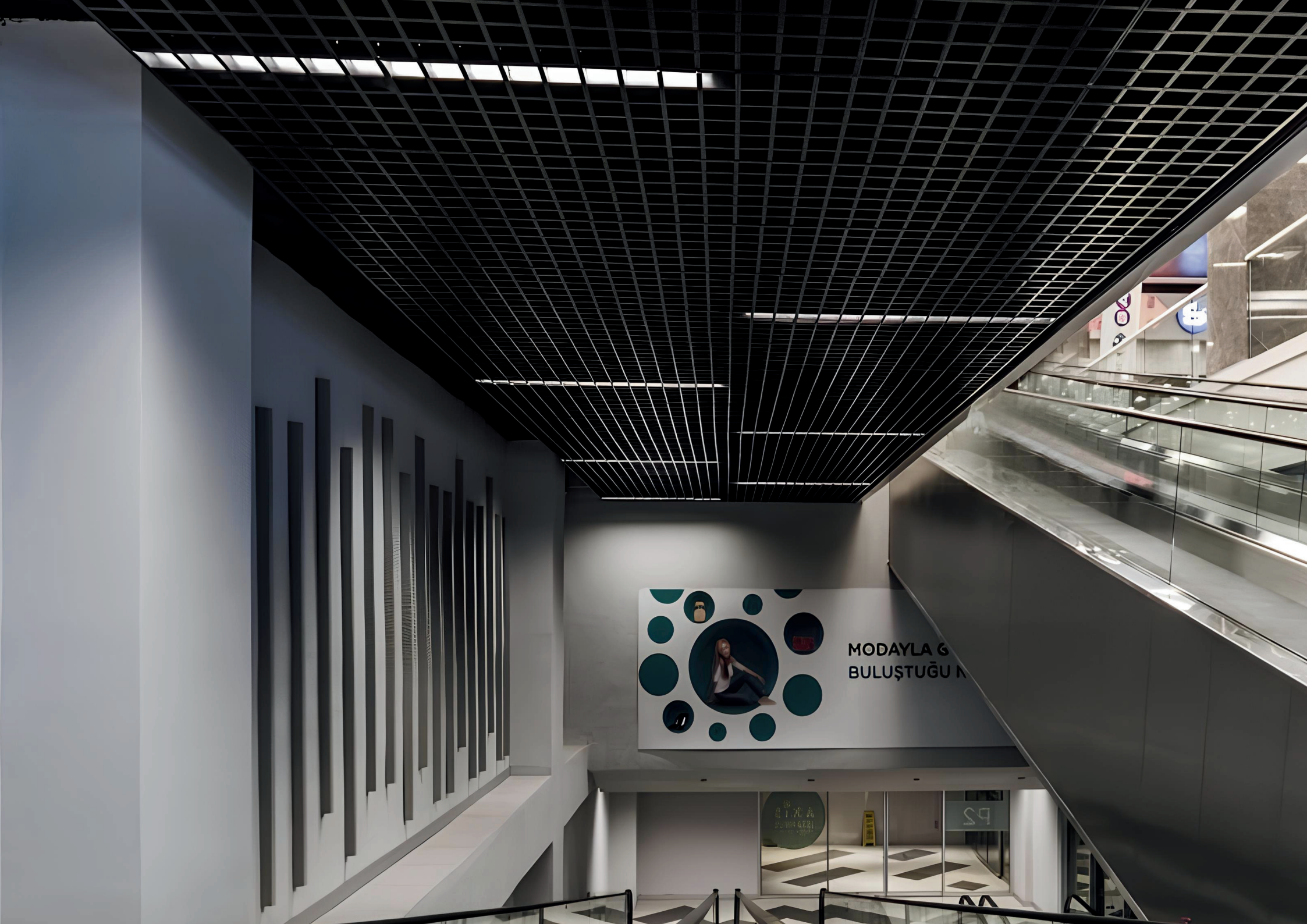
DEMONTABLE SYSTEM

- ✓ Standard Sight Line Options: 100 mm, 75 mm, 50 mm. For panels in different sizes, please contact your Sales Representative.
- ✓ The standard profile height is 40 mm, with the possibility of manufacturing at 50 mm height as well.



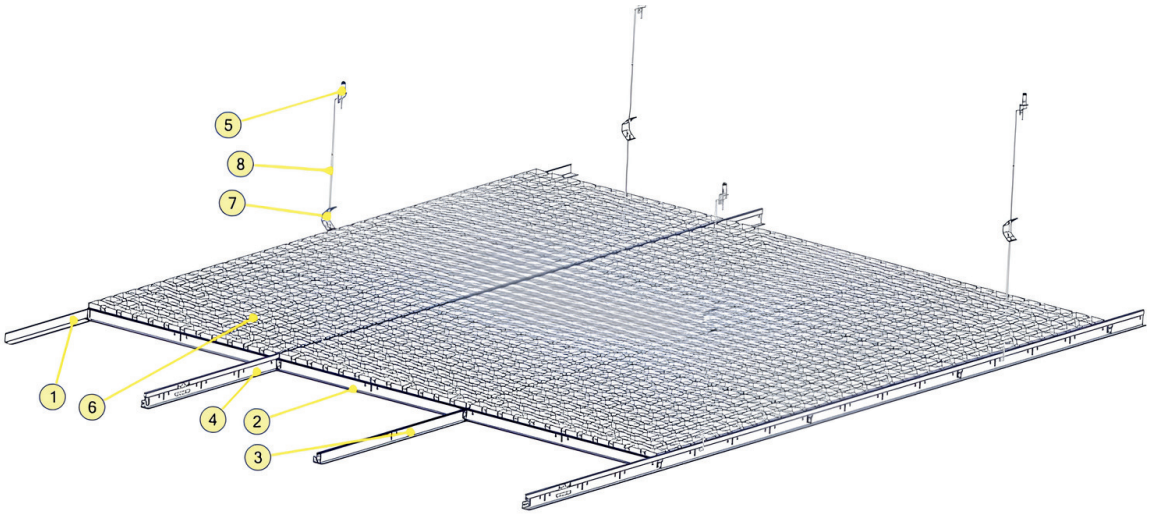
Technical Details

Description	ID
Cross Carrier 1200 mm	1
Main Carrier 1800 mm	2
Cross Carrier 600 mm	3
Panel Profile	4
U Perimeter Trim	5
Double Spring Clip	6
Spring Hanger Clip	7
Main Carrier Splicer	8
Hanger Wire	9
Anchor	10


MODAYLA G
BULUŞTUĞU N

OPENCELL T15 SYSTEM

- ✓ Cell Size Alternatives: 200 mm - 150 mm - 100 mm - 50 mm
- ✓ Open cell systems are preferred to achieve openness, transparency and modernity in the ceiling appearance.
- ✓ It allows for various light fixture applications that provide different design alternatives in projects.
- ✓ Since the system is in cell form, air circulation is provided behind the ceiling.



Technical Details

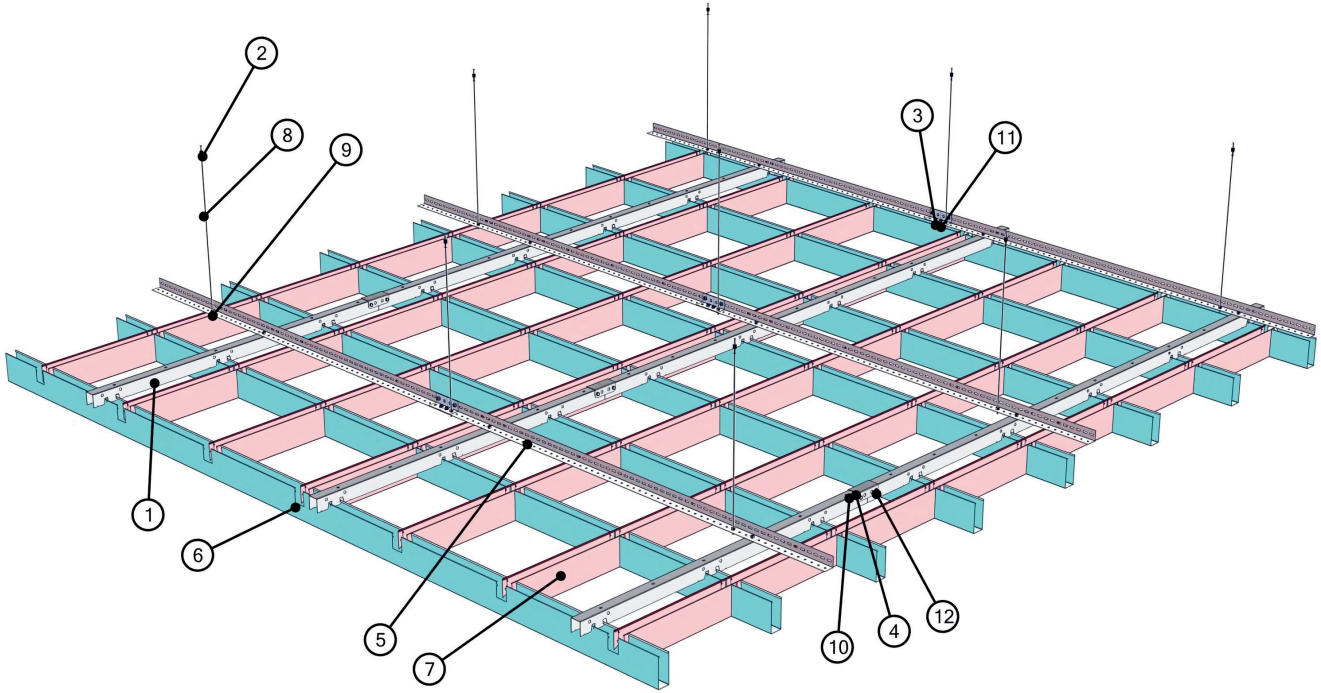
Description	ID
L Perimeter Trim	1
T15 Cross Carrier 1200	2
T15 Cross Carrier 600	3
T15 Main Carrier 3600	4
Anchor	5
Panel Profile	6
Double Spring Clip	7
Hanger Wire	8



BAFFLECELL SYSTEM

✓ It is a system that combines the honeycomb ceiling appearance with the depth of the baffle system.

✓ The special locking system in the supporting profile ensures easy, safe, and fast installation.



Technical Details

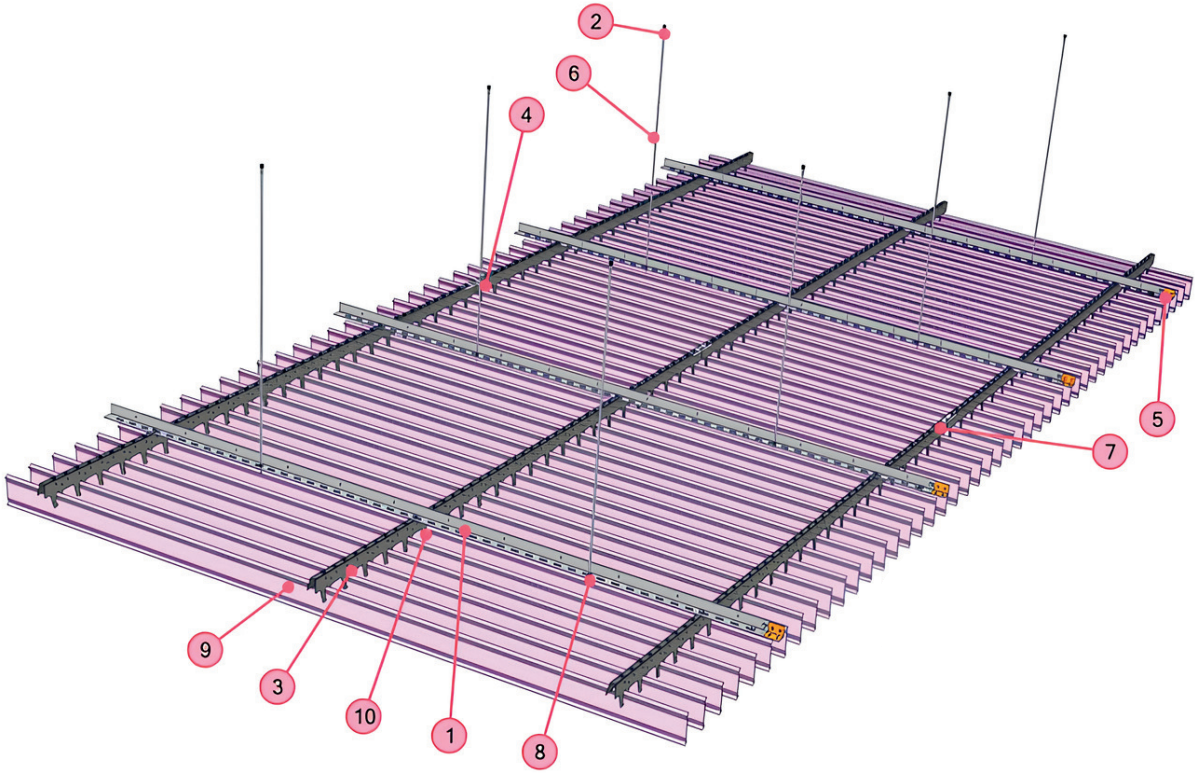
Description	ID
Bafflecell Omega Carrier Profile	1
Rod Anchor	2
Main Runner Splicer	3
Omega Carrier Splicer	4
Main Carrier	5
Long Baffle	6
Short Baffle	7
M6 Threaded Rod	8
M6 Nut	9
M6 Flanged Nut	10
M6x10 Bolt	11
M8x50 Bolt	12



SLIMLINE SYSTEM

✓ Slimline panels run horizontally across the space, creating a continuous effect in the ceiling appearance. The system allows for various lighting fixture applications, providing different design alternatives for projects.

✓ Thanks to its special locking system, the Slimline system is also suitable for soffit areas and is preferred in corridor-type spaces.



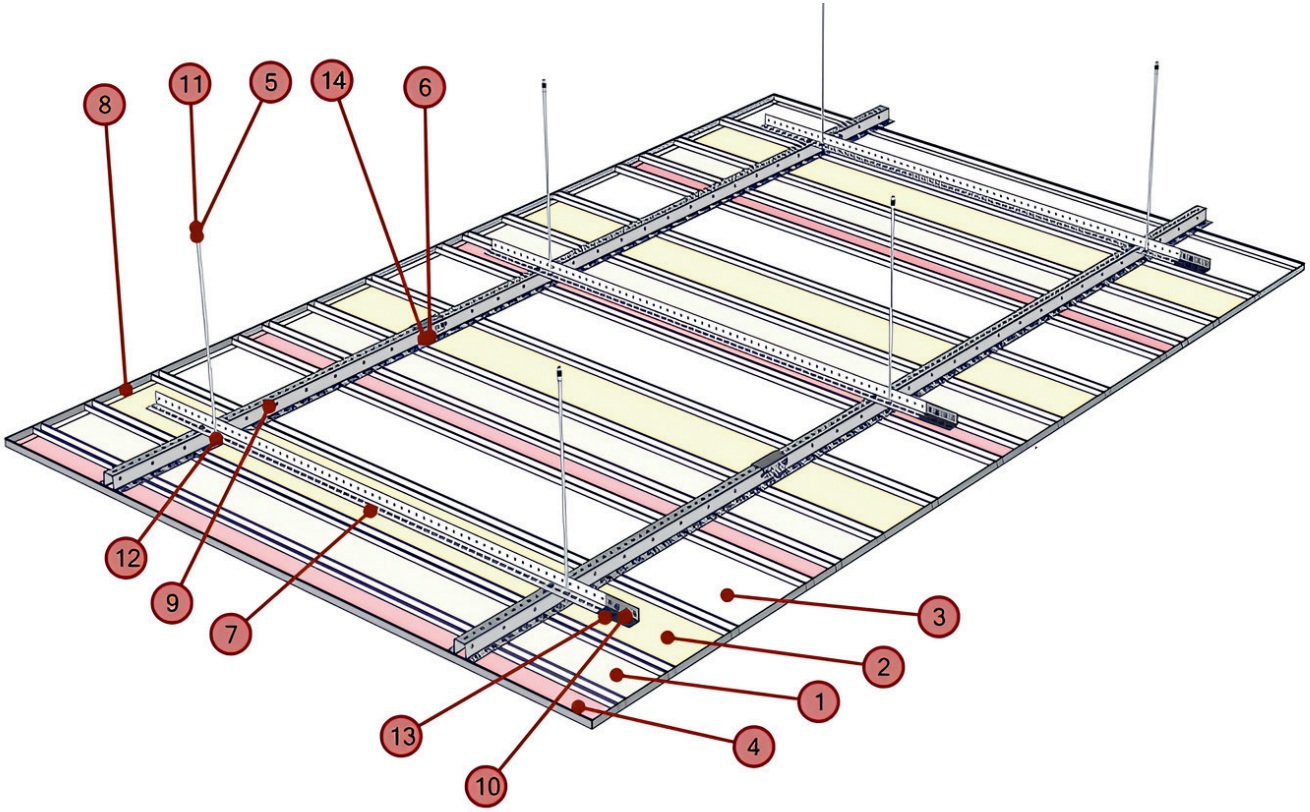
Technical Details

Description	ID
L Main Carrier	1
Rod Anchor	2
Slimline Carrier	3
Slimline Carrier Splicer	4
LMain Carrier Splicer	5
M6 Threaded Rod	6
M6x15 Bolt	7
M6 Nut	8
Slimline Baffle Panel	9
Slimline Carrier Locking Clip	10



MULTİPANEL SYSTEM

- The system consists of standard omega supporting profiles and panels that can be used in various widths and depths. The system creates a dynamic appearance.
- Closure panels are also provided for the gaps between panels.
- The panel length can be up to 3000 mm, with a maximum panel width of 246 mm.



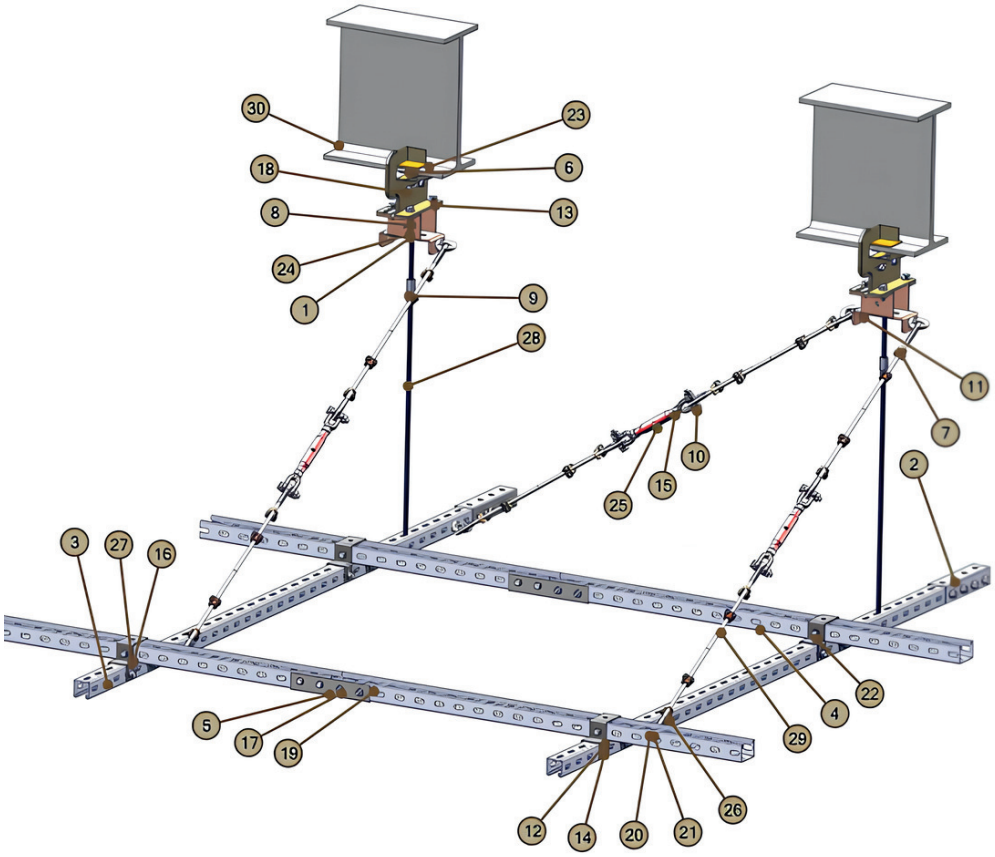
Technical Details

Description	ID
138x20 Panel	1
192x20 Panel	2
246x20 Panel	3
84x20 Panel	4
Rod Anchor	5
Omega Carrier Joint	6
L Main Carrier	7
L Perimeter Trim	8
Omega Carrier	9
L Main Carrier Joint	10
M6 Rod	11
M6 Nut	12
M6x20 Bolt	13
M6x60 Bolt	14


ALSTRONG
Aluminium Composite Panel

FBS SYSTEM

✓ The FBS system can also be designed to carry MEP and IT components.



Teknik Detaylar

Description	ID
Rod Connector	1
Main Tray Joint	2
Main Tray	3
Cross Tray	4
Cross Tray Joint	5
MS Bracket To Main Steel	6
Wire Rope Grip	7
M10 Wing Nut	8
M10 Rod Joint	9
M10 Turnbuckle Bolt	10
M10 Turnbuckle Nut	11
M10 Nut	12
M10X25 Bolt	13
M10X60 Bolt	14
M12 Turnbuckle Bolt	15
M6 Flange Nut	16
M8 Flange Nut	17
M8x20 Bolt	18
M8x80 Bolt	19
M10 Eyebolt	20
M8 Thimble	21
Connector Cross to Main	22
Seismic Pad	23
Gasket	24
Turnbuckle	25
M6 Nut	26
M6x15 Bolt	27
M10 Rod	28
Steel Wire 8 mm	29
IPE Steel Beam	30

✓ It is possible to span up to 8 meters using patented clamps to create suspension points from the roof steel construction system.

✓ When there is no suitable suspension point for the suspended ceiling system due to the building type, the FBS is the right product for the project.

✓ The FBS system can also be designed to support MEP and IT components.

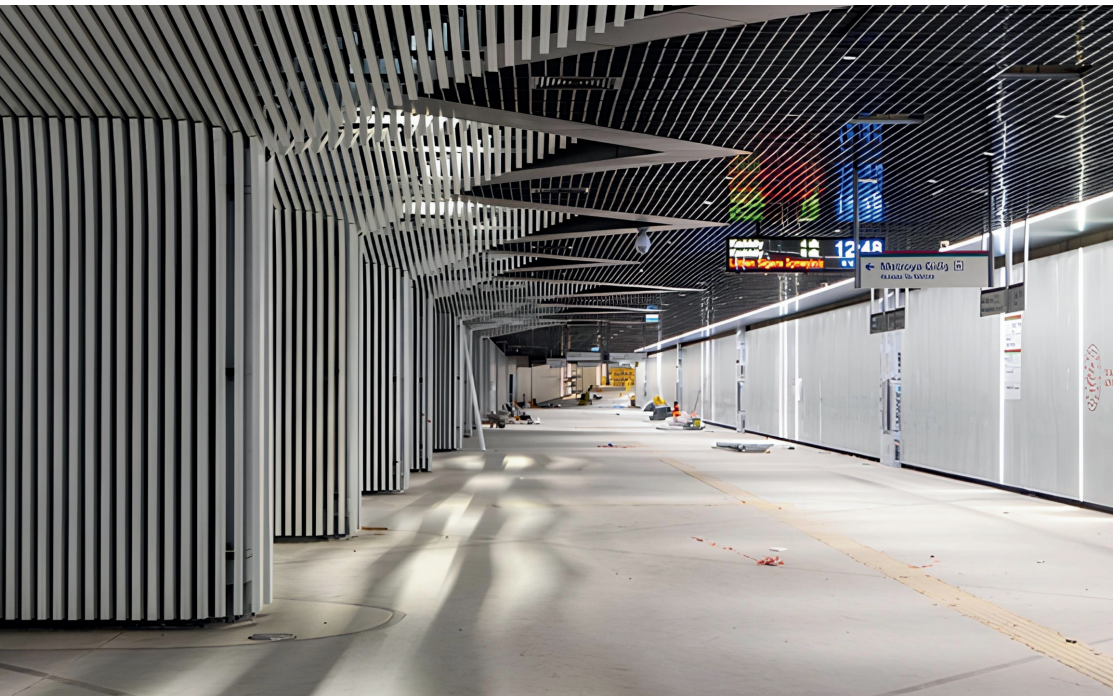
INTERIOR WALL CLADDING AND COLUMN COVERING.





INTERIOR CLADDING





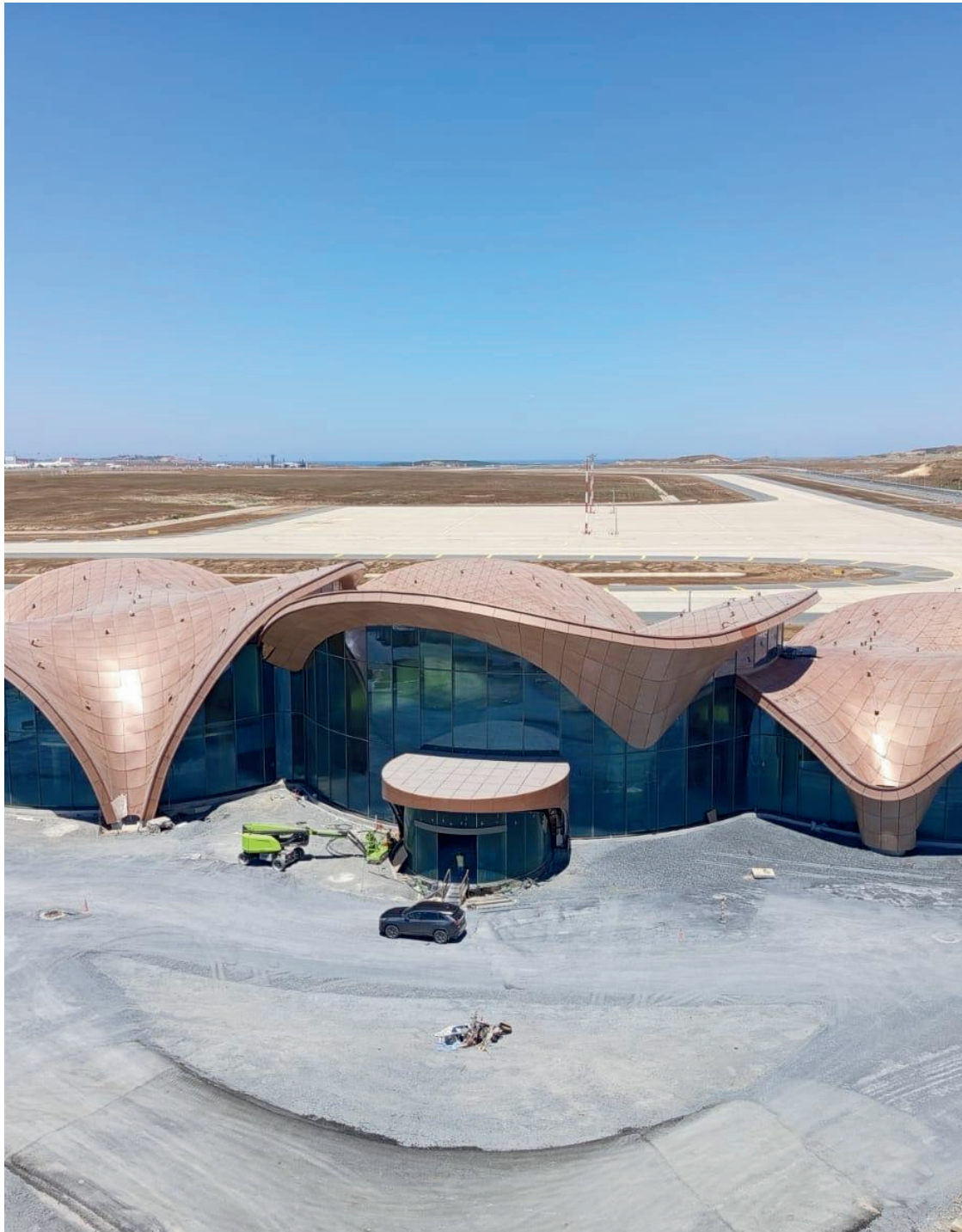


EXTERIOR CLADDING



EXTERIOR CLADDING





REFERENCES



YapıKredi Bank



Ümit Bisiklet



Socar



Optimum Mall



Nurol Tower



Niger Diori Hamani Airport



Nef



Mercedes Benz



Medicana



Ağaoğlu



Mars Logistics



Metro İstanbul



Kale Kilit



İstanbul Airport



İlkbank İstanbul



IGA - Unifree



Erensan



Dubai Metro

REFERENCES



Deposite Office



Republic of Turkey
Ministry of Health



TCDD High Speed Train



Axis Mall



Atatürk Airport



Ataköy Towers



Artaş Holding



Adatıp Hospital

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