

UNI-FLEX

ARCHITECTURAL PRODUCTS



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Uni-Flex Technology has a wealth of experience in the design and integration of metal ceilings. Our relationship with architects, designers, contractors and clients are based on respect and understanding. Such strong level of trust has helped us through many major projects in Singapore and overseas.

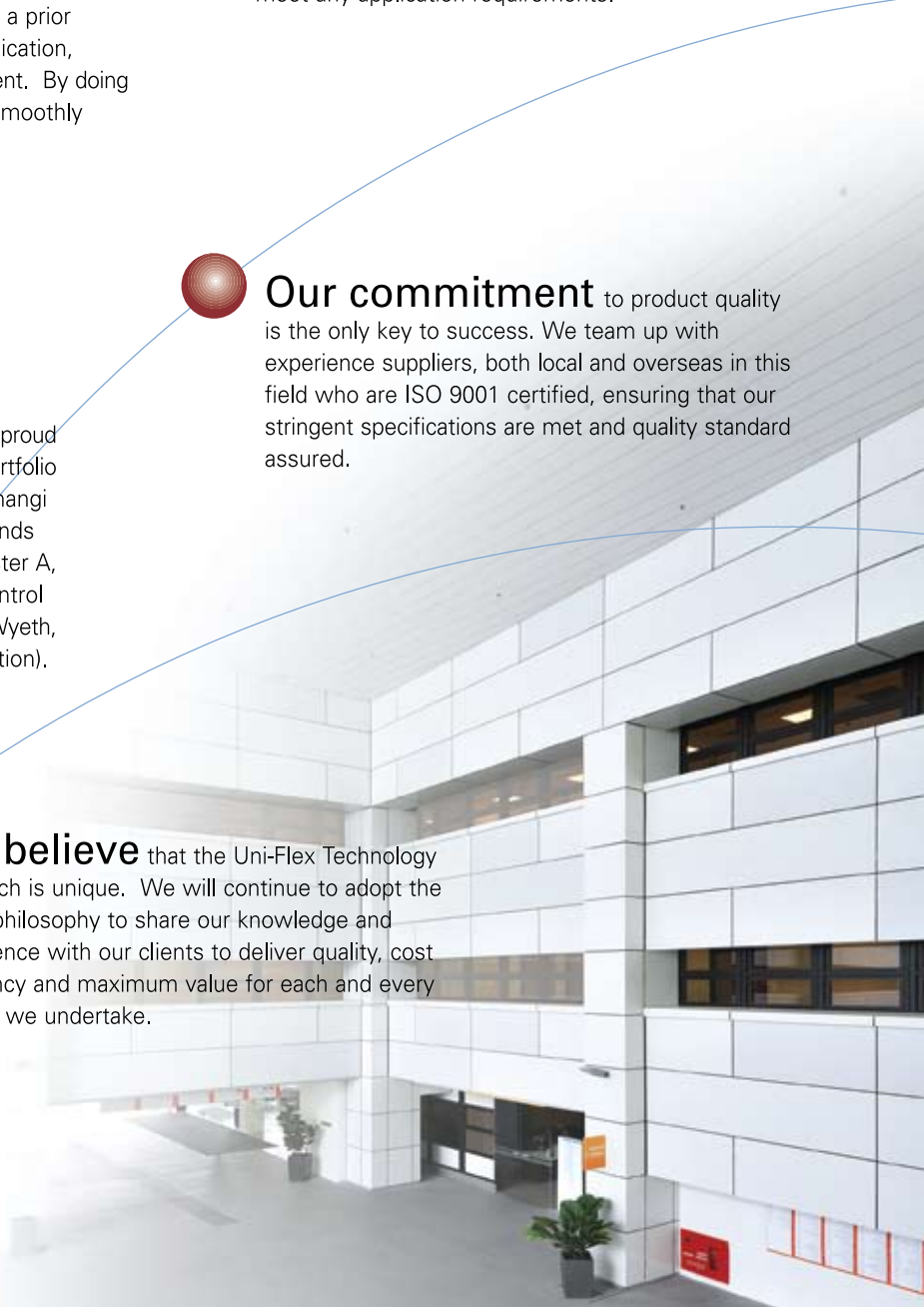
Metal ceilings play an important role in the effective use of space within a building. Uni-Flex Technology provides a complete range of ceilings to meet your needs in design, acoustic, performance and integration. Our metal ceilings are flexible in size, shape, colour and perforation to meet any application requirements.

Our approach towards project management is different. We make sure that we gain a prior understanding in the design criteria, application, concern and special requests from the client. By doing so we will ensure that the project runs smoothly throughout.

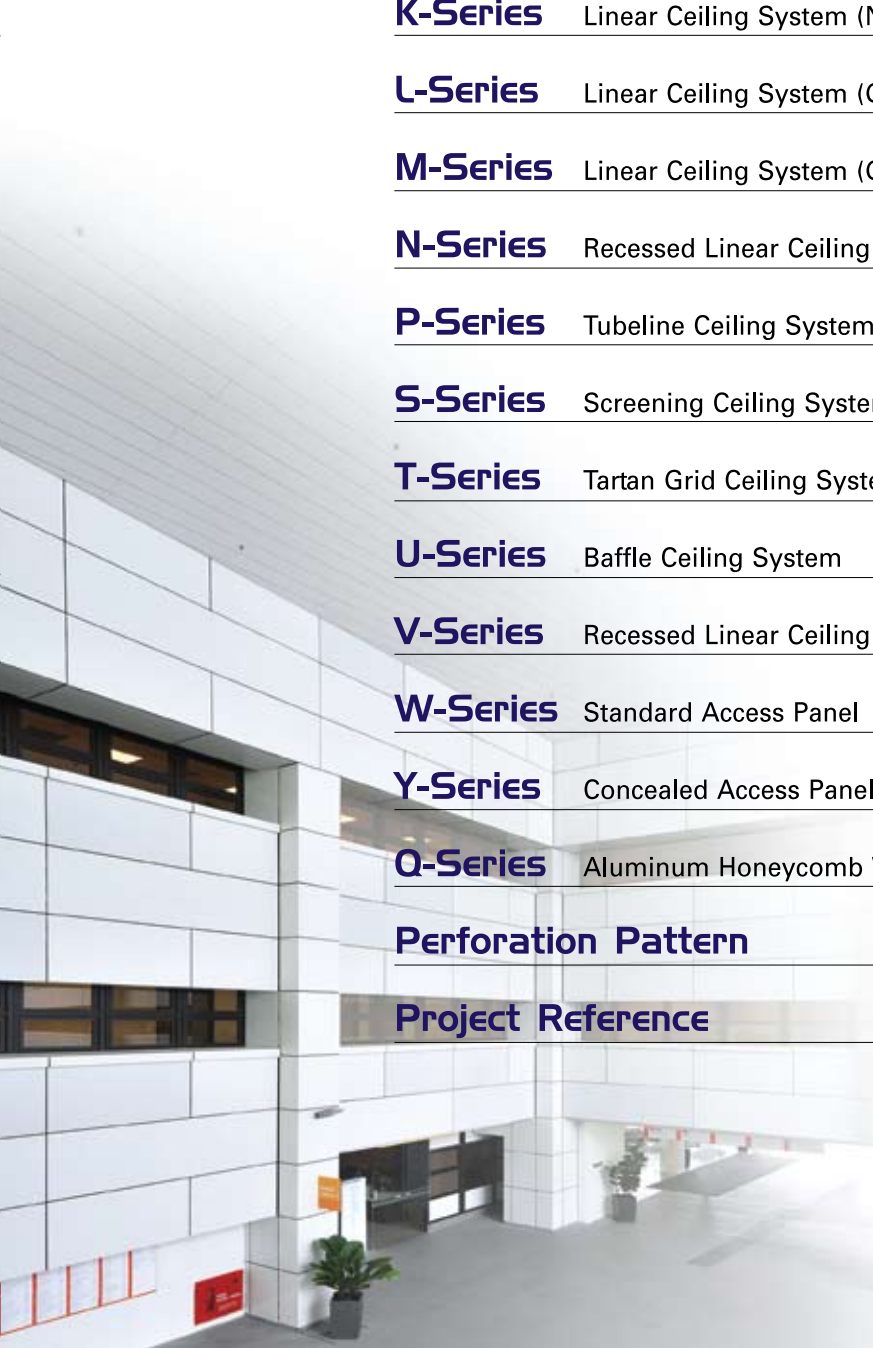
Our achievements which we are proud of, are well acknowledged in the market. Our portfolio includes many infrastructure projects such as Changi Airport Terminal I & II, Ties Checkpoint, Woodlands Checkpoint, Woodlands MRT, Changi Prison Cluster A, Tanjong Pagar MRT and Singapore Air Traffic Control Centre. In the private sector, our clients include Wyeth, CITIBANK and REC (Renewable Energy Corporation).

Our commitment to product quality is the only key to success. We team up with experience suppliers, both local and overseas in this field who are ISO 9001 certified, ensuring that our stringent specifications are met and quality standard assured.

We believe that the Uni-Flex Technology approach is unique. We will continue to adopt the same philosophy to share our knowledge and experience with our clients to deliver quality, cost efficiency and maximum value for each and every project we undertake.



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Clip-In Ceiling System

UNI-FLEX A-Series Clip-in ceiling system is an integrated ceiling with concealed suspension system where flexibility and accessibility are important features. The distinctive flat tiles offer many design and functional opportunities. The tiles are chamfered or square on all edges emphasizing the rectangular feature. Acoustic values can be obtained with standard perforation around the edges of the tiles.

The A-Series clip-in ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Panel

Pattern : Square or rectangular.

Material : Aluminum alloy or galvanized steel.

Colour

The ceiling panel surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

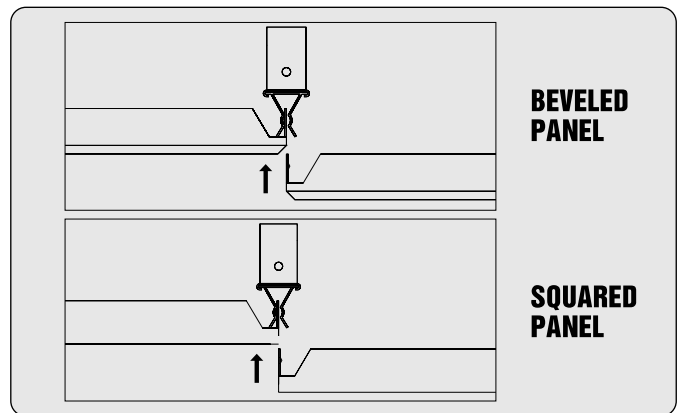
Perforation

Various holes sizes and perforation patterns are available based on your request. The acoustic felt bonded to the reverse side of the tiles contributes to optimal acoustics. Should you have special perforation needs, please contact us for more advice.

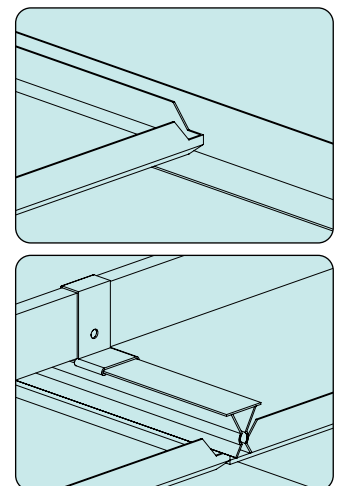
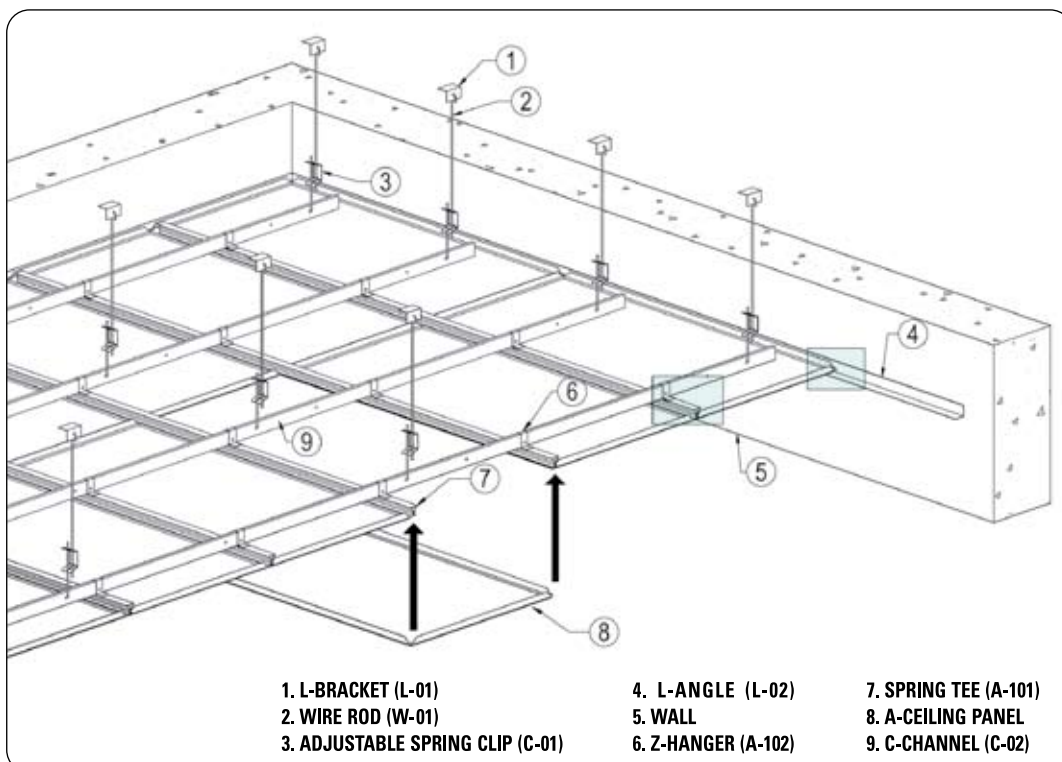
Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

In the concealed suspension system the tiles are secured to the carrier without the use of tools.



Model No.	Dimension	Material
A-300	W 300 x L 300 mm	Aluminum
A-600	W 600 x L 600 mm	Aluminum
A-3060	W 300 x L 600 mm	Aluminum
A-30120	W 300 x L 1200 mm	Aluminum
A-60120	W 600 x L 1200 mm	Aluminum



Lay-In Ceiling System



UNI-FLEX B-Series Lay-in ceiling system is an integrated ceiling with exposed T-grid system in which flexibility and accessibility are important, the characteristic look is created by the difference in level between the T-grid and the ceiling tiles. The shadow effect emphasizes the square feature of the ceiling. The tiles are chamfered or square on all edges emphasizing the rectangular feature. Acoustic values can be obtained with standard perforation around the edges of the tiles.

The B-Series Lay-in ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Panel

Pattern : Square or rectangular.

Material : Aluminum alloy or galvanized steel.

Colour

The ceiling panel surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

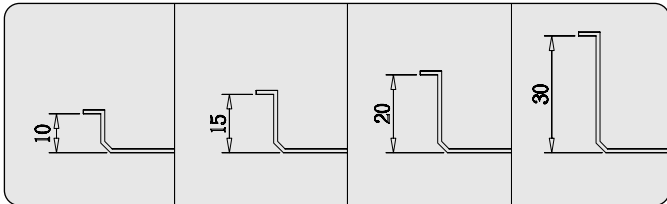
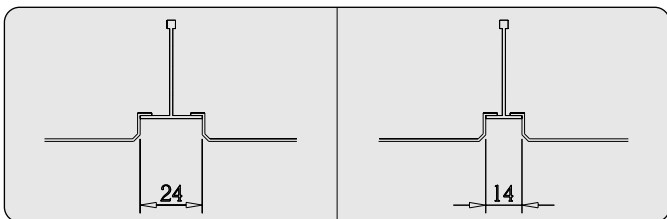
Perforation

Various holes sizes and perforation patterns are available based on your request. The acoustic felt bonded to the reverse side of the tiles contributes to optimal acoustics. Should you have special perforation needs, please contact us for more advice.

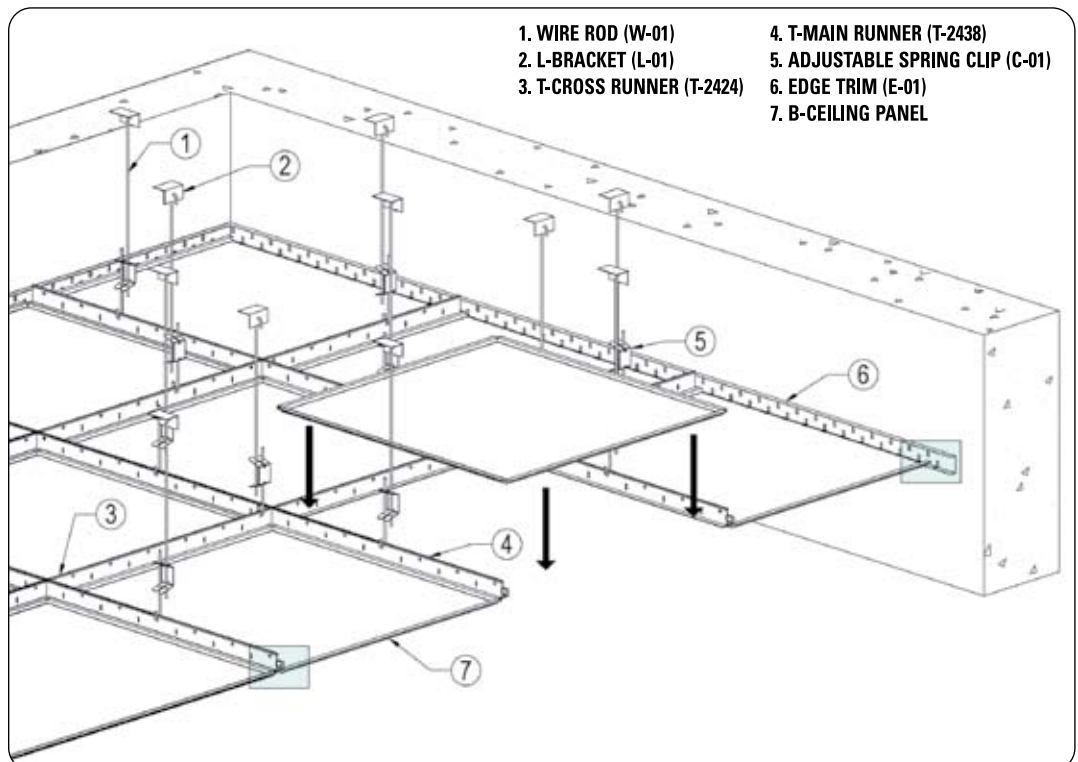
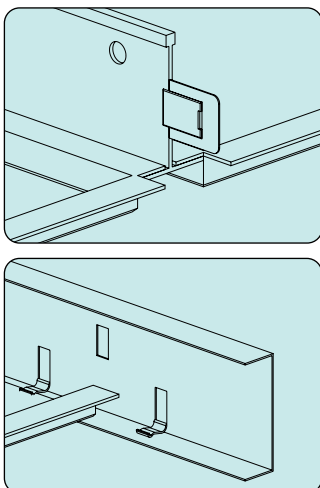
Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

In the exposed system the tiles are very easy to lay-in the grid system without the use of tools.



Model No.	Dimension	Material
B-575	575 x 575 mm	Aluminum
B-585	585 x 585 mm	Aluminum
B-595	595 x 595 mm	Aluminum
B-605	605 x 605 mm	Aluminum



Cell Ceiling System

UNI-FLEX C-Series Cell ceiling system with open cell module 600 x 600 mm lay onto exposed 15 mm T-grid system where flexibility and accessibility are important features. The modules can be lifted out of the ceiling system to gain access to the ceiling void. Its distinctive flat cell module and the many choices of cell size offer many design and functional opportunities.

The C-Series cell ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Cell

Pattern : 50, 75, 100, 125, 150 & 200 mm (Supply in knock down form)

Material : Aluminum alloy.

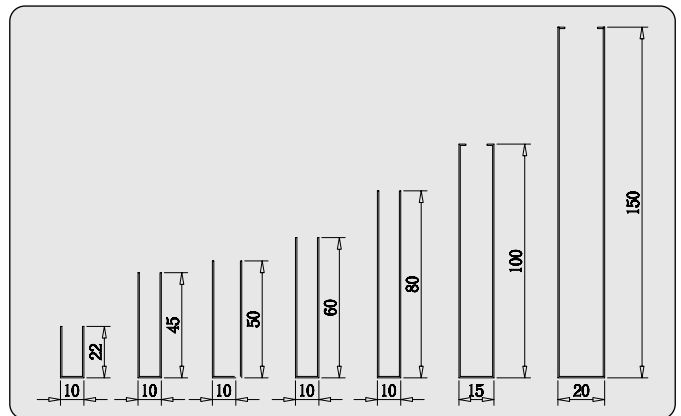
Colour

The cell surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

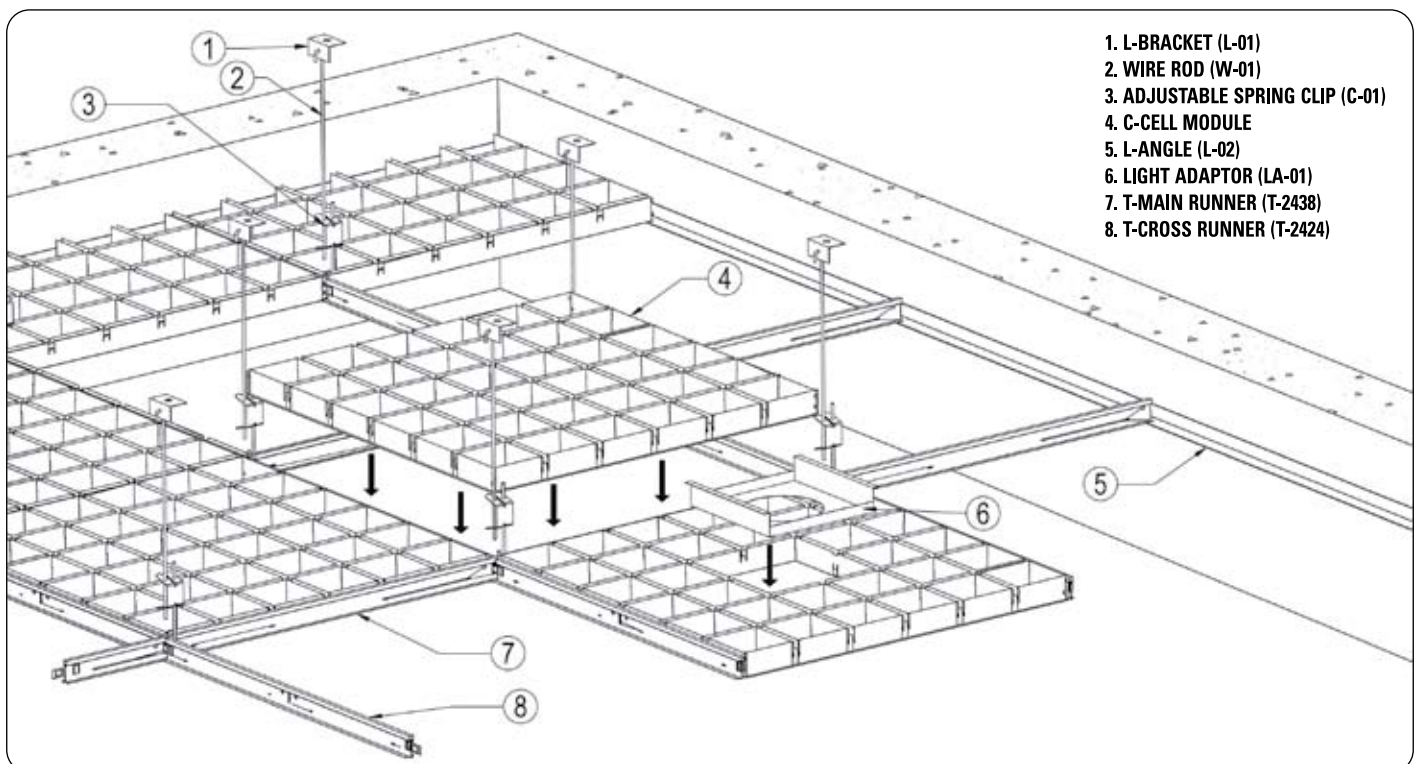
Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

In the exposed 15 mm T-grid system, access is gained by simply lifting the cell out of the grid without the use of tools.



Model No.	Dimension	Material
C-50	50 x 50 mm	Aluminum
C-75	75 x 75 mm	Aluminum
C-100	100 x 100 mm	Aluminum
C-125	125 x 125 mm	Aluminum
C-150	150 x 150 mm	Aluminum
C-200	200 x 200 mm	Aluminum



Wide Grid Ceiling System



UNI-FLEX G-Series Wide grid ceiling system is an integrated ceiling with exposed grid system where flexibility and accessibility are important features. The distinctive flat panels offer many design and functional opportunities. The panels are square or rectangular in shape manufactured in made-to measure. Acoustic values can be obtained with standard perforation around the edges of the tiles.

The G-Series wide grid ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Panel

Pattern : Square or rectangular.

Material : Aluminum alloy or galvanized steel.

Colour

The ceiling panel surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

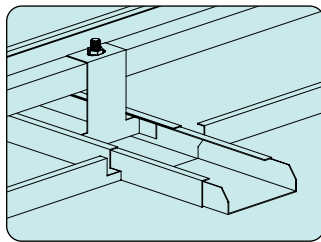
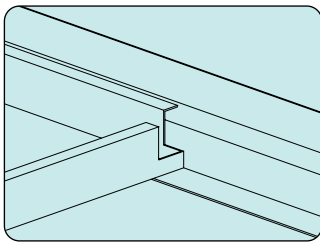
Perforation

Various holes sizes and perforation patterns are available based on your request. The acoustic felt bonded to the reverse side of the tiles contributes to optimal acoustics. Should you have special perforation needs, please contact us for more advice.

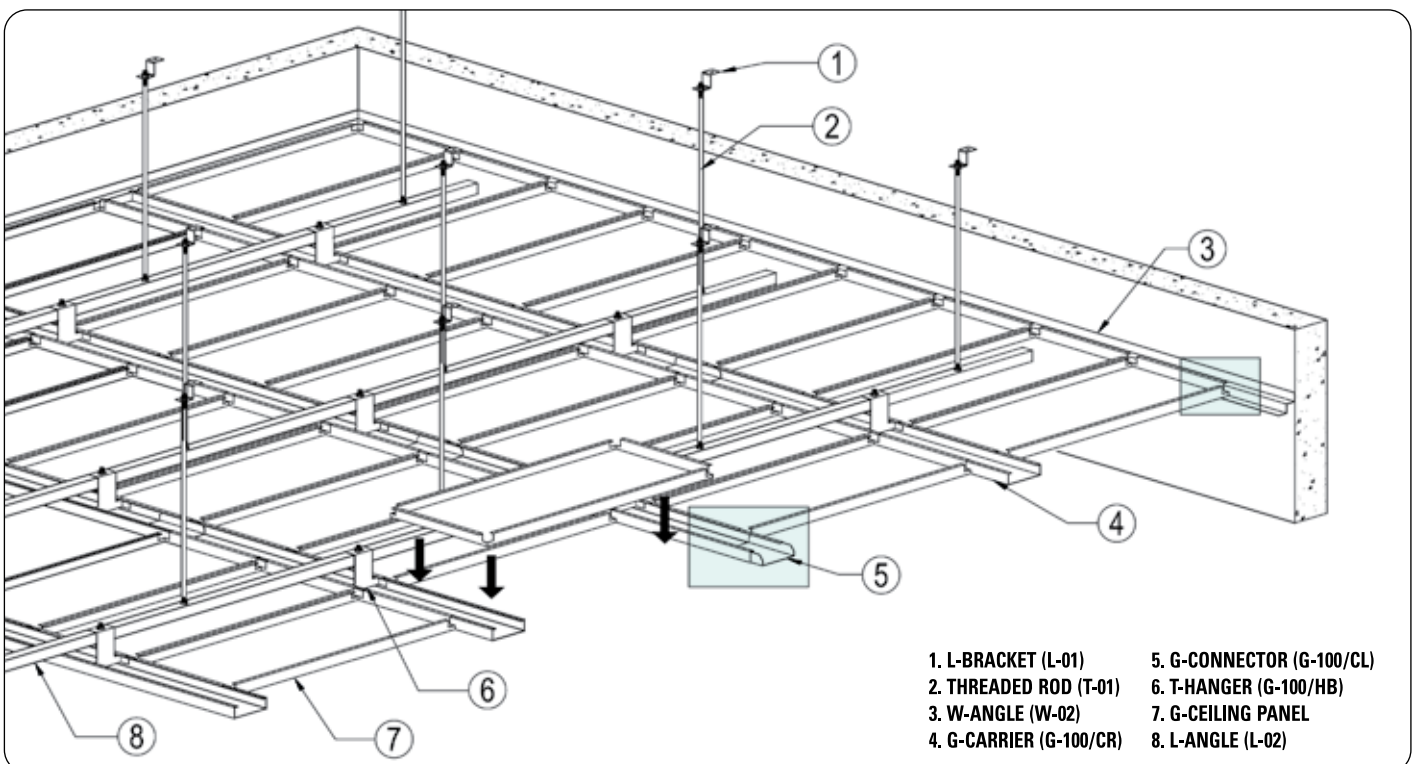
Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

In the exposed grid system the panel installation is simply lay onto the grid without the use of tools.



Model No.	Dimension	Material
G-300	W 300 x L mm	Aluminum
G-400	W 400 x L mm	Aluminum
G-500	W 500 x L mm	Aluminum
G-600	W 600 x L mm	Aluminum



- | | |
|-------------------------|---------------------------|
| 1. L-BRACKET (L-01) | 5. G-CONNECTOR (G-100/CL) |
| 2. THREADED ROD (T-01) | 6. T-HANGER (G-100/HB) |
| 3. W-ANGLE (W-02) | 7. G-CEILING PANEL |
| 4. G-CARRIER (G-100/CR) | 8. L-ANGLE (L-02) |

Hook-On Ceiling System

UNI-FLEX H-Series Hook-on ceiling system is an integrated ceiling with concealed "J" shape suspension system where flexibility and accessibility are important features. The distinctive flat panels offer many design and functional opportunities. The panels are square on all edges emphasizing the rectangular feature. Acoustic values can be obtained with standard perforation around the edges of the tiles.

The H-Series hook-on ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Panel

Pattern : Square or rectangular.

Material : Aluminum alloy or galvanized steel.

Colour

The ceiling panel surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

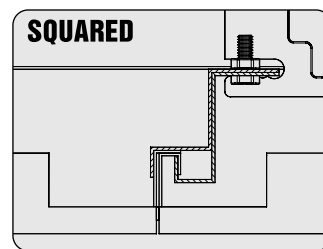
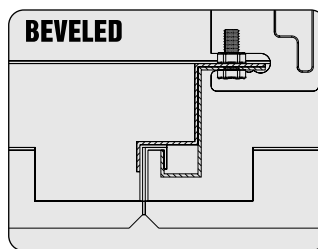
Perforation

Various holes sizes and perforation patterns are available based on your request. The acoustic felt bonded to the reverse side of the tiles contributes to optimal acoustics. Should you have special perforation needs, please contact us for more advice.

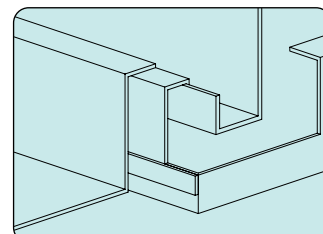
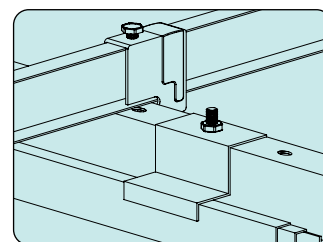
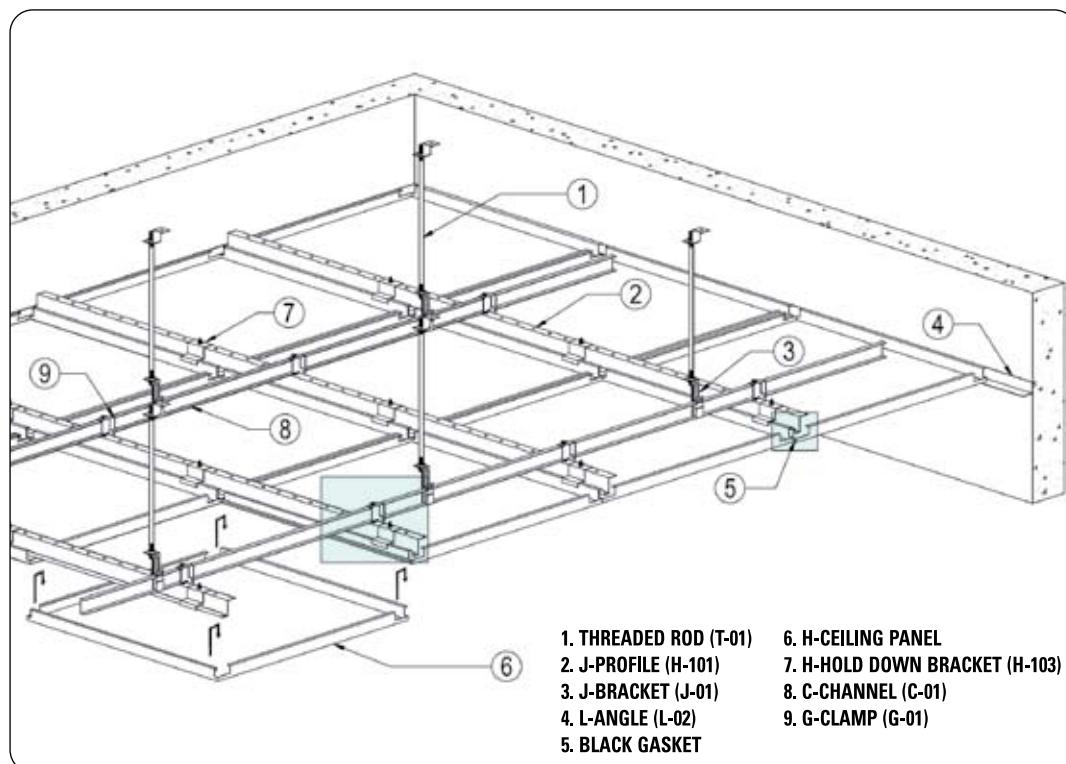
Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

In the concealed "J" shape suspension system the panels are secured to the carrier without the use of tools.



Model No.	Dimension	Material
H-300	300 x 300 mm	Aluminum
H-3060	300 x 600 mm	Aluminum
H-30120	300 x 1200 mm	Aluminum
H-600	600 x 600 mm	Aluminum
H-60120	600 x 1200 mm	Aluminum



Linear Ceiling System (Non-Grooved)



UNI-FLEX J-Series Linear ceiling system is an integrated ceiling without any suspension system ideally suited to conceal services in corridor or similar areas where quick and complete access to the void above is required. The distinctive flat panels offer many design and functional opportunities. The panels are chamfered or square on all edges emphasizing the rectangular feature. Acoustic values can be obtained with standard perforation around the edges of the tiles.

The J-Series linear ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Panel

Pattern : 100, 150, 200, 300 mm width.

Material : Aluminum alloy.

Colour

The ceiling panel surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

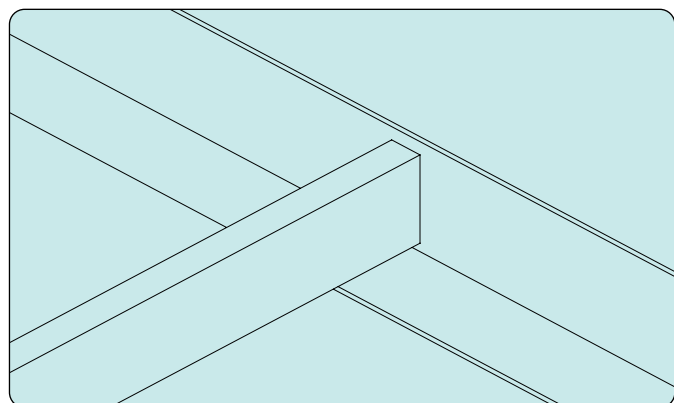
Perforation

Various holes sizes and perforation patterns are available based on your request. The acoustic felt bonded to the reverse side of the tiles contributes to optimal acoustics. Should you have special perforation needs, please contact us for more advice.

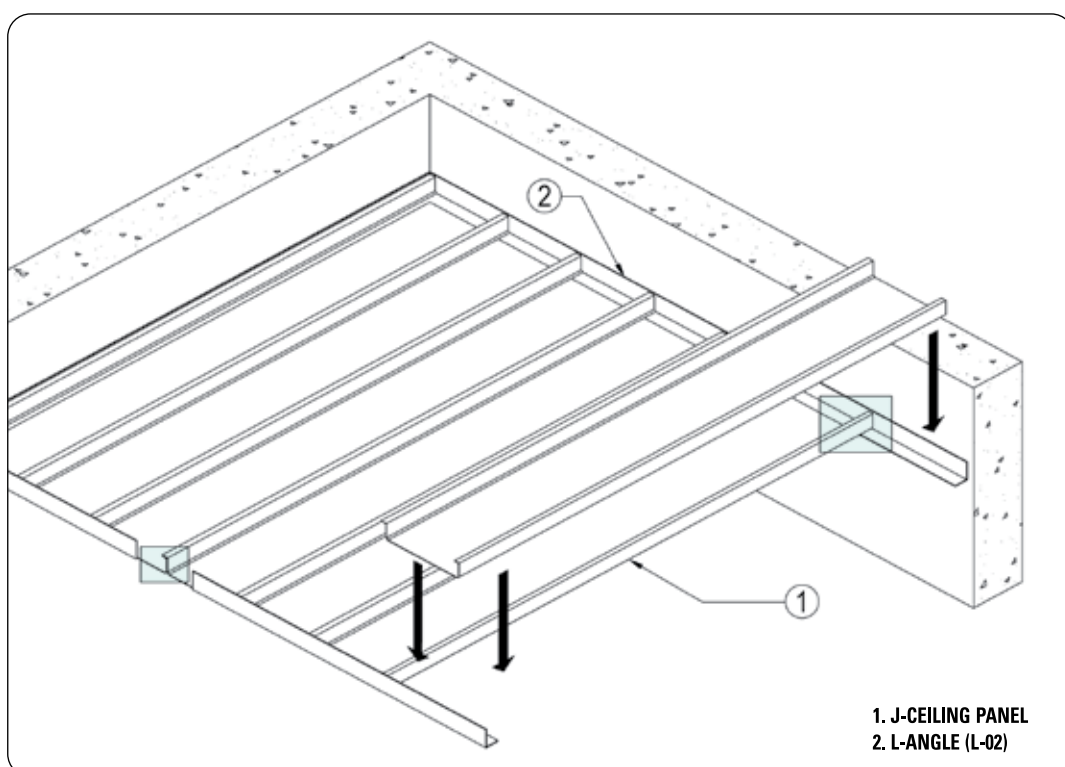
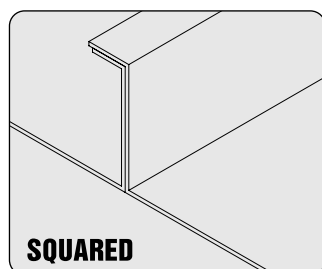
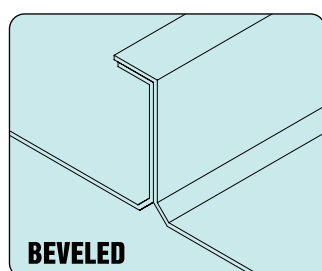
Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

In the case of the above product, no hanger system required.



Model No.	Dimension	Material
J-100	W 100 x L mm	Aluminum
J-150	W 150 x L mm	Aluminum
J-200	W 200 x L mm	Aluminum
J-300	W 300 x L mm	Aluminum



Linear Ceiling System (Non-Grooved)

UNI-FLEX K-Series Linear ceiling system is an integrated ceiling with concealed suspension system where flexibility and accessibility are important features. The distinctive flat tiles offer many design and functional opportunities. The tiles are chamfered or square on all edges emphasizing the rectangular feature. Acoustic values can be obtained with standard perforation around the edges of the tiles.

The K-Series linear ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Panel

Pattern : 150, 200, 300 mm width.

Material : Aluminum alloy.

Colour

The ceiling panel surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

Perforation

Various holes sizes and perforation patterns are available based on your request. The acoustic felt bonded to the reverse side of the tiles contributes to optimal acoustics. Should you have special perforation needs, please contact us for more advice.

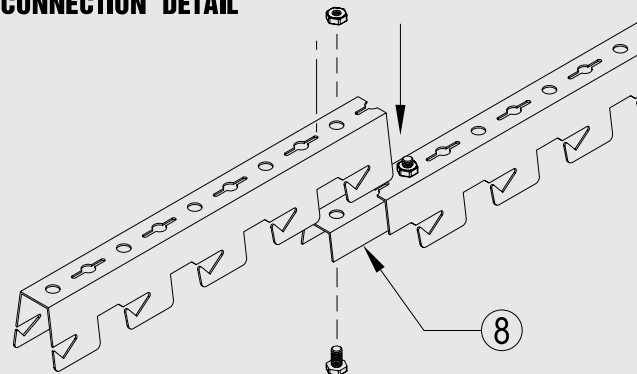
Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

In the concealed suspension system the tiles are secured to the carrier without the use of tools.

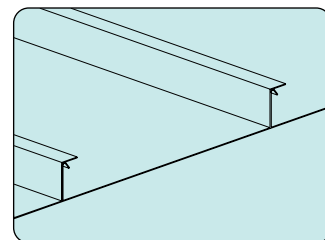
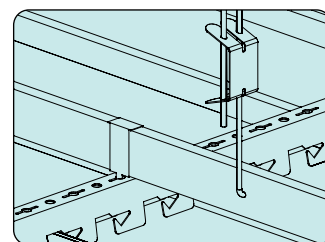
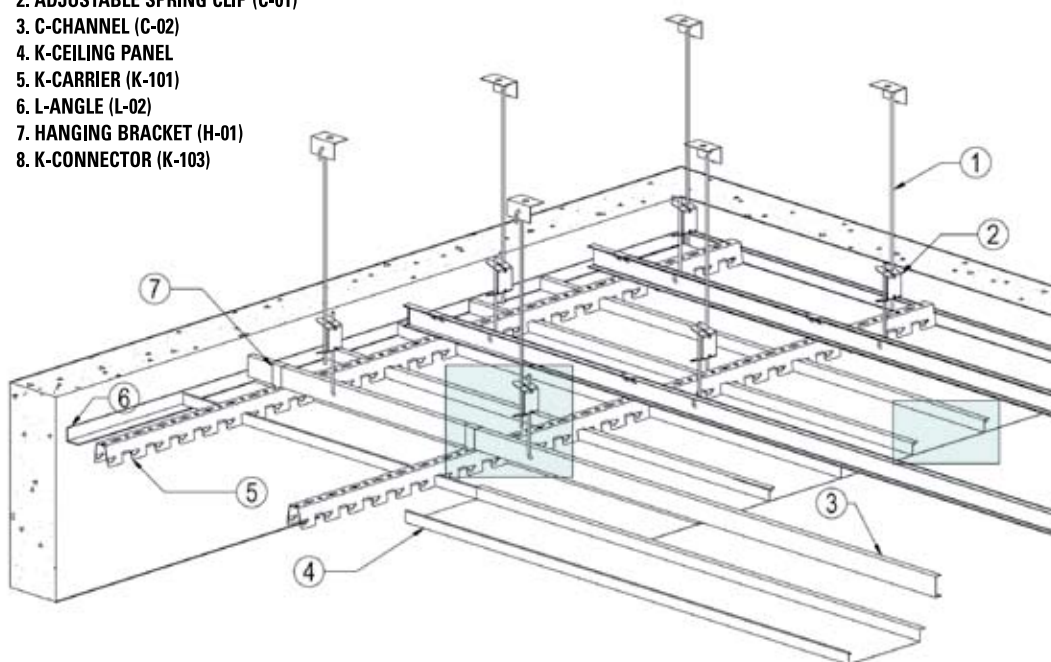


CONNECTION DETAIL



Model No.	Dimension	Material
K-150	W 150 x L mm	Aluminum
K-200	W 200 x L mm	Aluminum
K-300	W 300 x L mm	Aluminum

1. WIRE ROD (W-01)
2. ADJUSTABLE SPRING CLIP (C-01)
3. C-CHANNEL (C-02)
4. K-CEILING PANEL
5. K-CARRIER (K-101)
6. L-ANGLE (L-02)
7. HANGING BRACKET (H-01)
8. K-CONNECTOR (K-103)



Linear Ceiling System (Grooved)



UNI-FLEX L-Series Linear ceiling system is an integrated ceiling with concealed suspension system where flexibility and accessibility are important features. The distinctive flat tiles offer many design and functional opportunities. The tiles are chamfered or square on all edges emphasizing the rectangular feature. Acoustic values can be obtained with standard perforation around the edges of the tiles.

The L-Series linear ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Panel

Pattern : 100, 150, 200, 300 mm width.

Material : Aluminum alloy.

Colour

The ceiling panel surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

Perforation

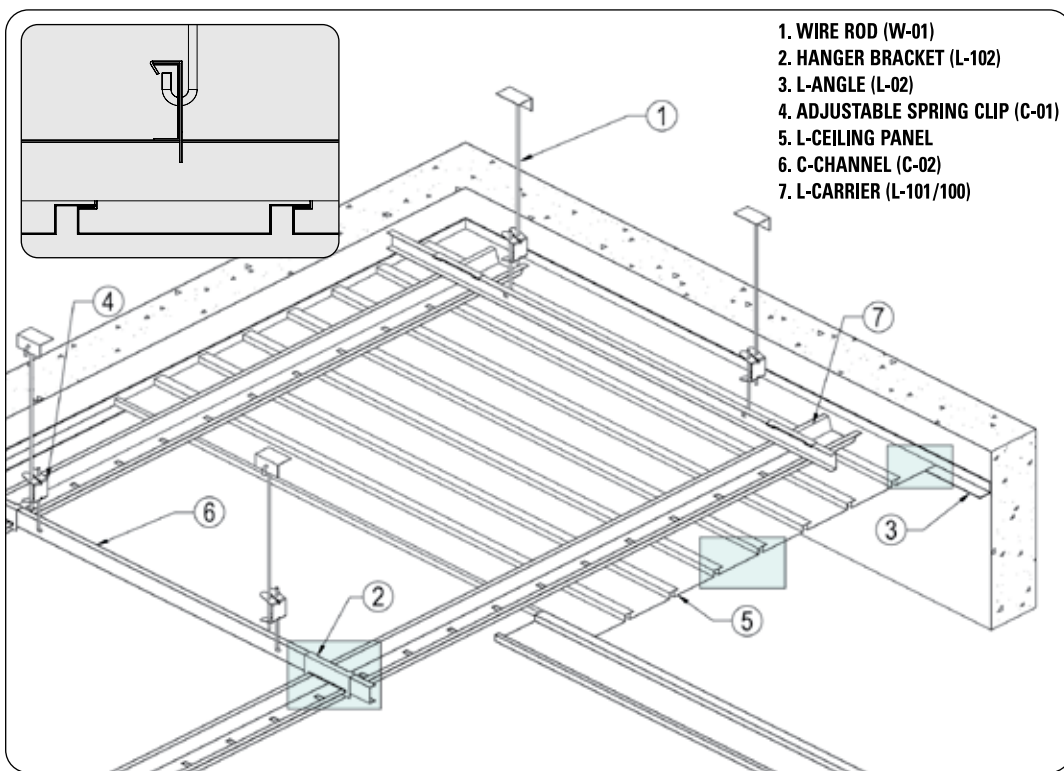
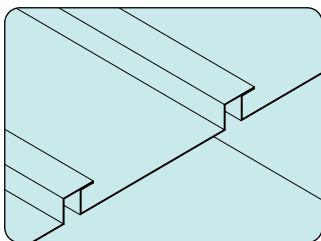
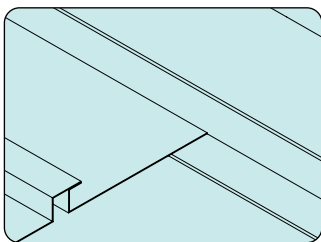
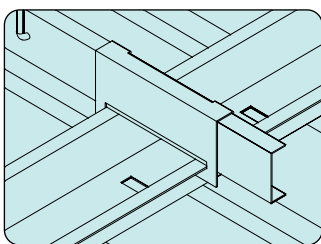
Various holes sizes and perforation patterns are available based on your request. The acoustic felt bonded to the reverse side of the tiles contributes to optimal acoustics. Should you have special perforation needs, please contact us for more advice.

Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

In the concealed suspension system the tiles are secured to the carrier without the use of tools.

Model No.	Dimension	Material
L-100	W 100 x L mm	Aluminum
L-150	W 150 x L mm	Aluminum
L-200	W 200 x L mm	Aluminum
L-300	W 300 x L mm	Aluminum



Linear Ceiling System (Grooved)

UNI-FLEX M-Series Linear ceiling system is an integrated ceiling with concealed suspension system where flexibility and accessibility are important features. The distinctive flat tiles offer many design and functional opportunities. The tiles are chamfered or square on all edges emphasizing the rectangular feature. Acoustic values can be obtained with standard perforation around the edges of the tiles.

The M-Series linear ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Panel

Pattern : 100, 150, 200, 300 mm width.

Material : Aluminum alloy.

Colour

The ceiling panel surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

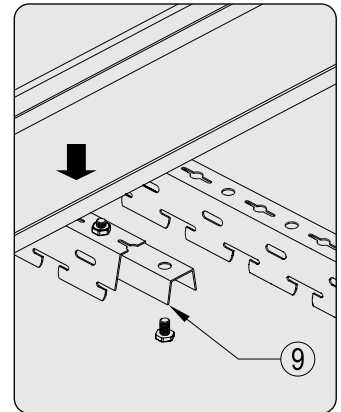
Perforation

Various holes sizes and perforation patterns are available based on your request. The acoustic felt bonded to the reverse side of the tiles contributes to optimal acoustics. Should you have special perforation needs, please contact us for more advice.

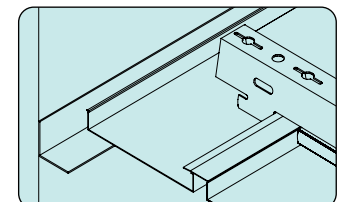
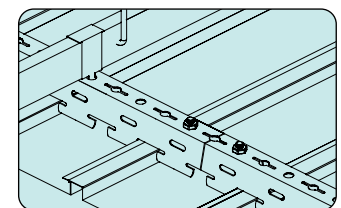
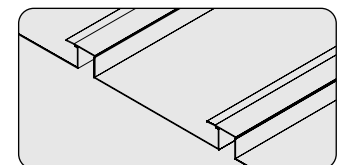
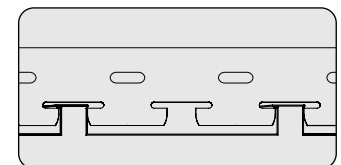
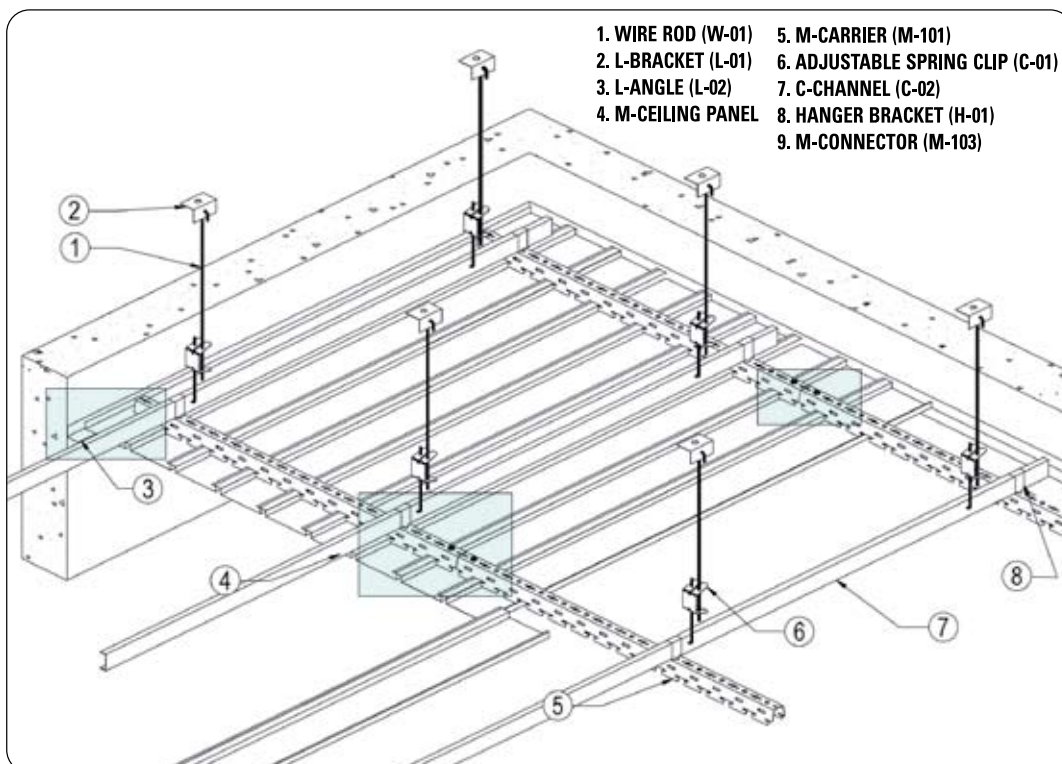
Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

In the concealed suspension system the tiles are secured to the carrier without the use of tools.



Model No.	Dimension	Material
M-100	W 100 x L mm	Aluminum
M-150	W 150 x L mm	Aluminum
M-200	W 200 x L mm	Aluminum
M-300	W 300 x L mm	Aluminum



Recessed Linear Ceiling System (Grooved)



UNI-FLEX N-Series Recessed linear ceiling system is an integrated ceiling with concealed suspension system where flexibility and accessibility are important features. The tiles are chamfered or square on all edges emphasizing the rectangular feature. Acoustic values can be obtained with standard perforation around the edges of the tiles.

The N-Series recessed linear ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Panel

Pattern : 100, 150, 200, 300 mm width.

Material : Aluminum alloy.

Colour

The ceiling panel surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

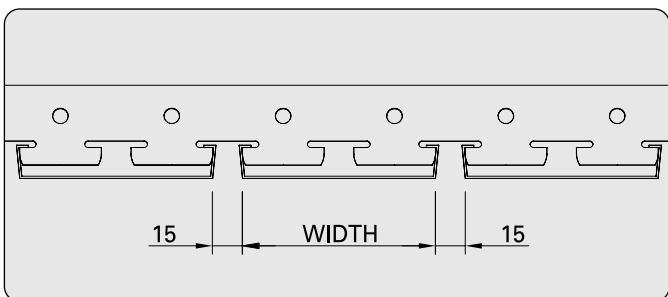
Perforation

Various holes sizes and perforation patterns are available based on your request. The acoustic felt bonded to the reverse side of the tiles contributes to optimal acoustics. Should you have special perforation needs, please contact us for more advice.

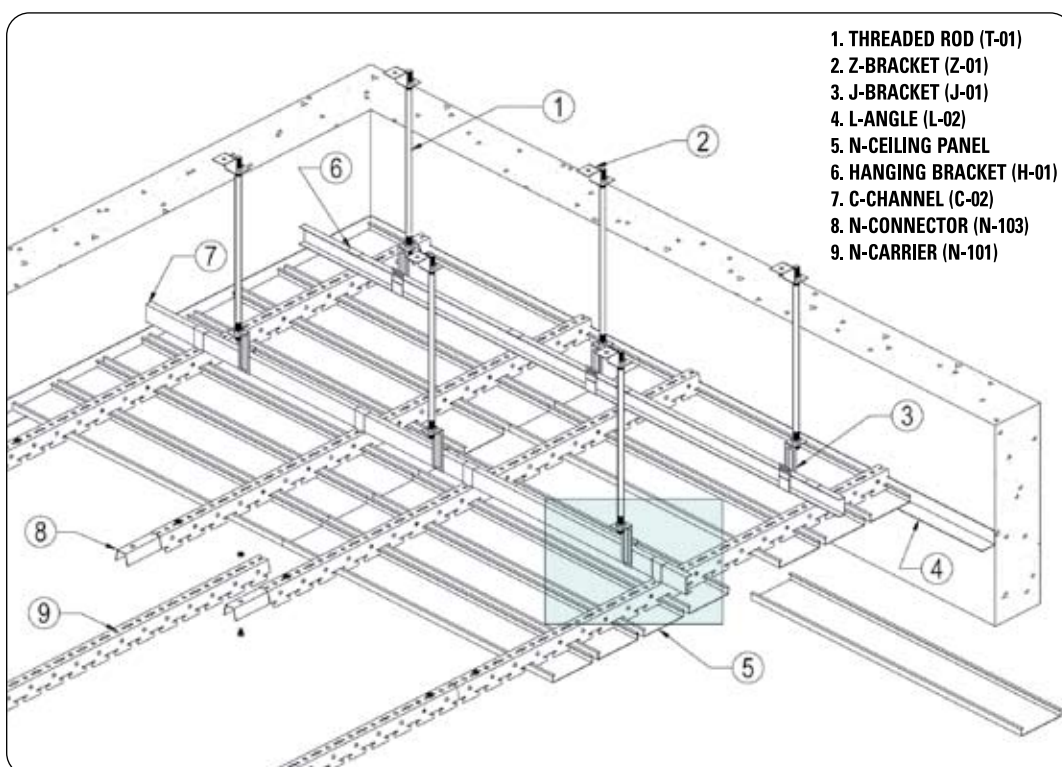
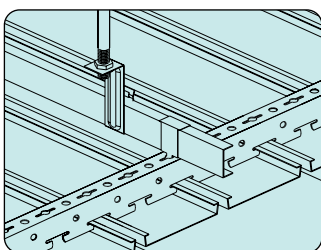
Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

In the concealed suspension system the tiles are secured to the carrier without the use of tools.



Model No.	Dimension	Material
N-100	W 100 x L mm	Aluminum
N-150	W 150 x L mm	Aluminum
N-200	W 200 x L mm	Aluminum
N-300	W 300 x L mm	Aluminum



1. THREADED ROD (T-01)
2. Z-BRACKET (Z-01)
3. J-BRACKET (J-01)
4. L-ANGLE (L-02)
5. N-CEILING PANEL
6. HANGING BRACKET (H-01)
7. C-CHANNEL (C-02)
8. N-CONNECTOR (N-103)
9. N-CARRIER (N-101)

Tubeline Ceiling System

UNI-FLEX P-Series Tubeline ceiling system is an integrated ceiling with concealed suspension system where flexibility and accessibility are important features. The distinctive flat tiles offer many design and functional opportunities. The tiles are chamfered or square on all edges emphasizing the rectangular feature. Acoustic values can be obtained with standard perforation around the edges of the tiles.

The P-Series Tubeline ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Panel

Pattern : 30 & 50 diameter.

Material : Aluminum extrusion.

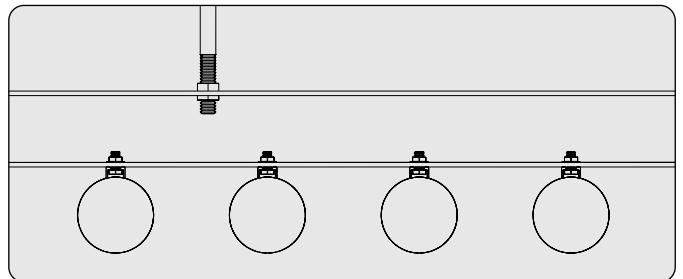
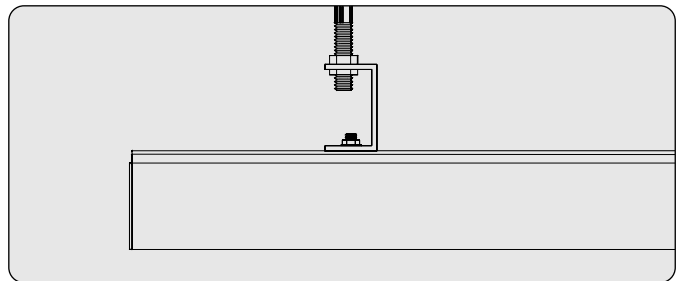
Colour

The tube surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

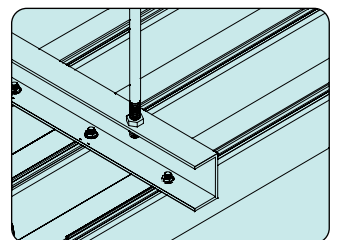
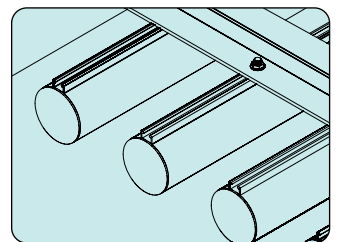
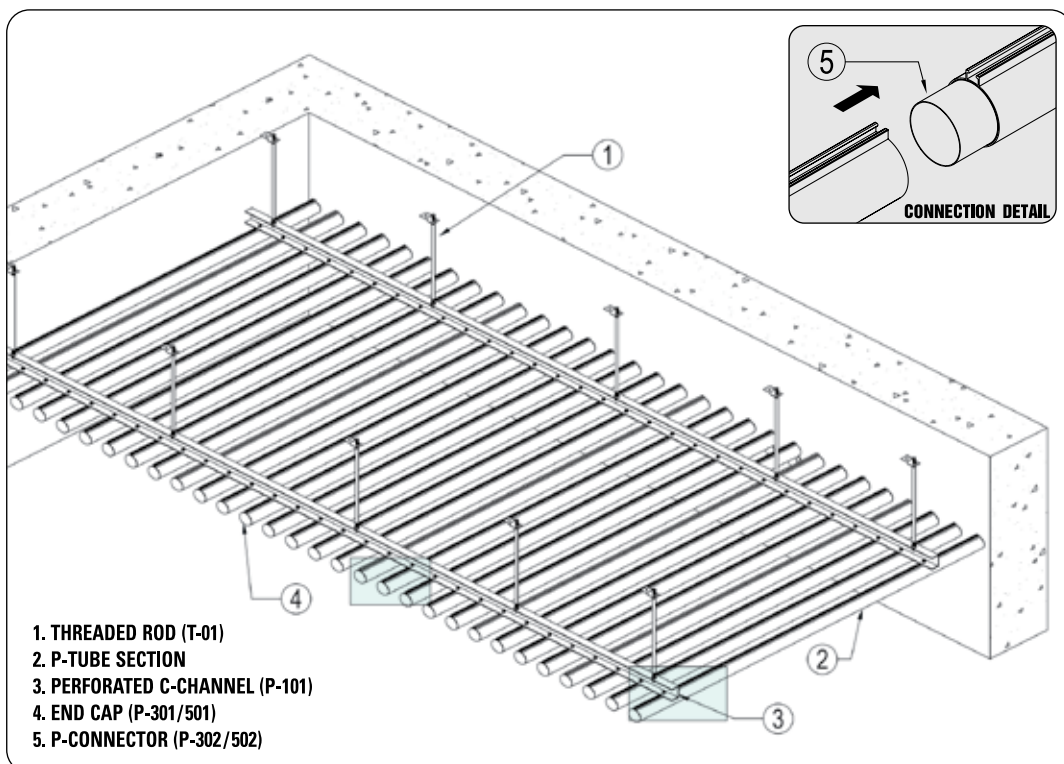
Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

In the concealed suspension system the tiles are secured to the carrier with the minimum use of tools.



Model No.	Dimension	Material
P-30	Dia 30 mm x L mm	Aluminum
P-50	Dia 50 mm x L mm	Aluminum



Screening Ceiling System



UNI-FLEX S-Series Screening ceiling system is an integrated ceiling with concealed suspension system in which flexibility and accessibility are important features. The distinctive flat screen offer many design and functional opportunities.

The S-Series screening ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Panel

Pattern : 100 & 150 mm width.

Material : Aluminum alloy or galvanized steel.

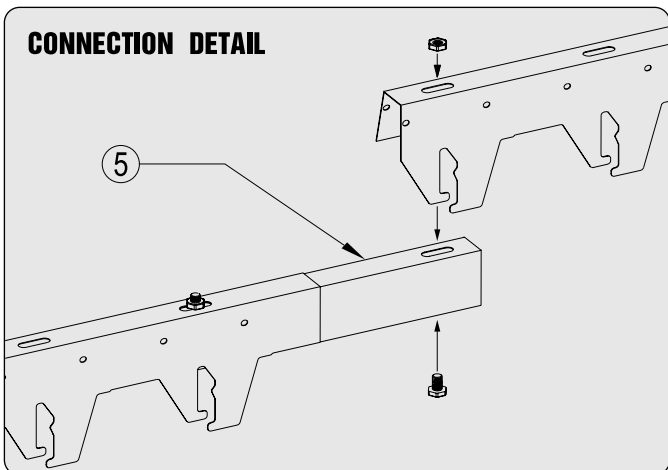
Colour

The ceiling panel surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

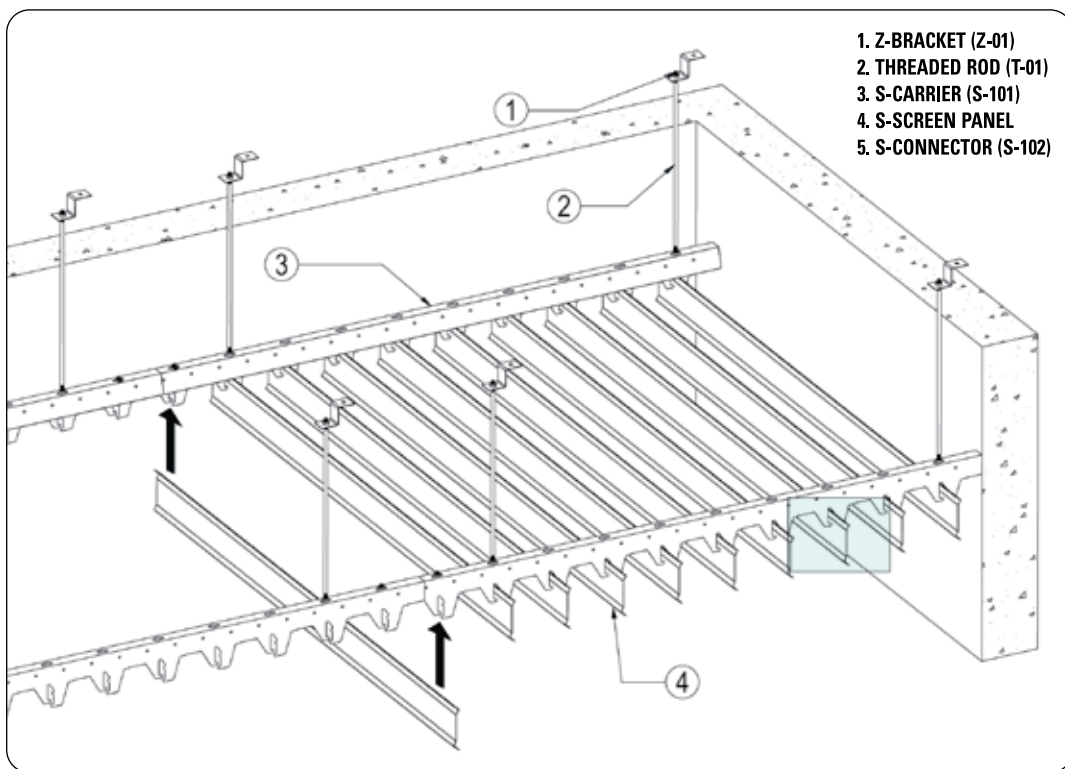
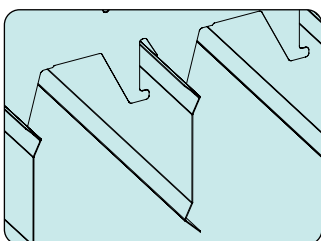
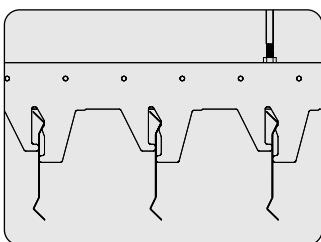
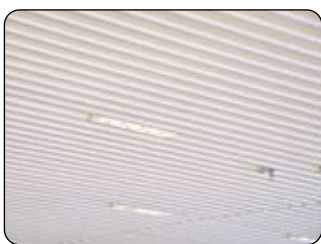
Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

In the concealed suspension system the tiles are secured to the carrier without the use of tools.



Model No.	Dimension	Material
S-100	W 100 x L mm	Aluminum
S-150	W 150 x L mm	Aluminum



Tartan Grid Ceiling System

UNI-FLEX T-Series Tartan grid ceiling system is an integrated ceiling with junction box and exposed grid system where flexibility and accessibility are important features. The distinctive flat panels offer many design and functional opportunities. The panels are square or rectangular in shape, and can be manufactured to request. Acoustic values can be obtained with standard perforation around the edges of the tiles.

The T-Series tartan grid ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Panel

Pattern : Square or rectangular.

Material : Aluminum alloy or galvanized steel.

Colour

The ceiling panel surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

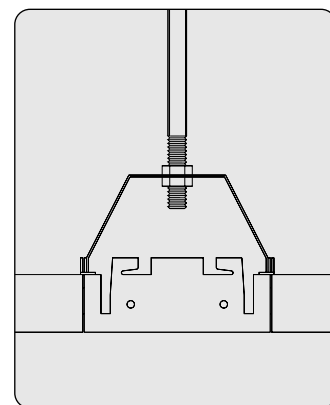
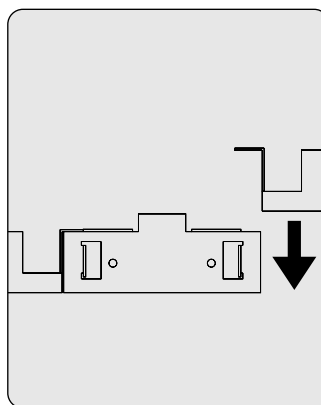
Perforation

Various holes sizes and perforation patterns are available based on your request. The acoustic felt bonded to the reverse side of the tiles contributes to optimal acoustics. Should you have special perforation needs, please contact us for more advice.

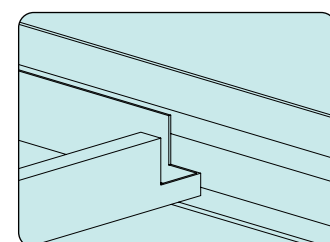
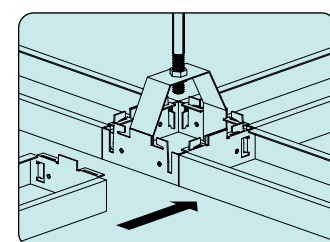
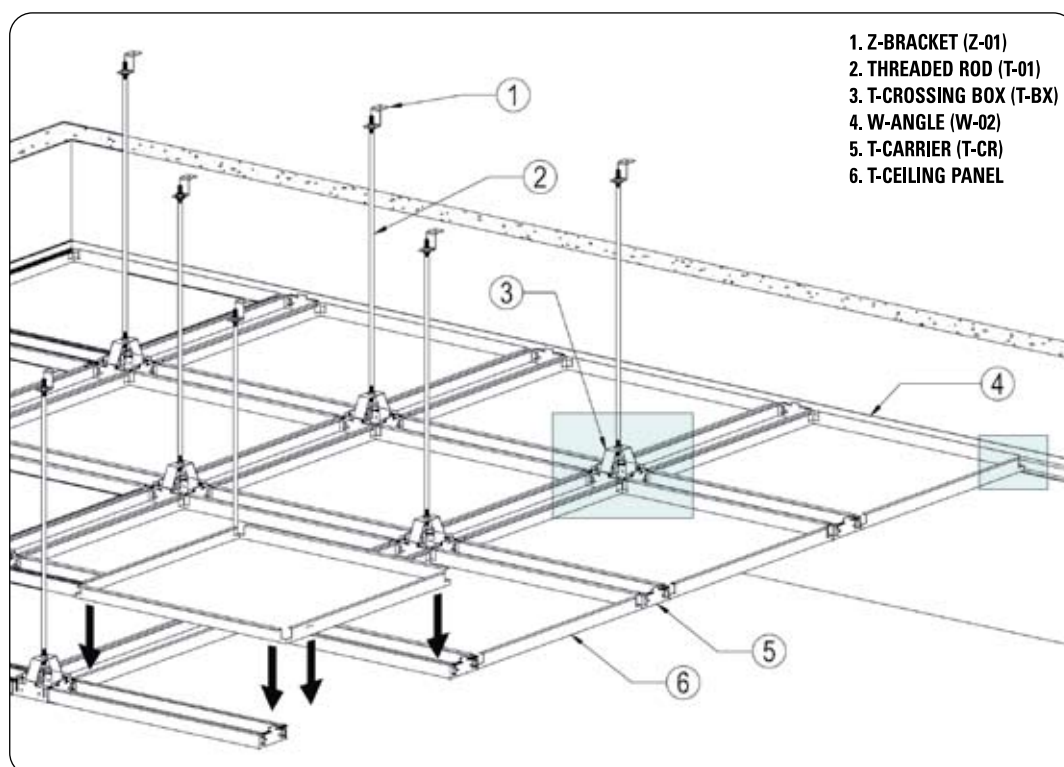
Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

In the exposed grid system the panels are installed by simply being laid onto the grid without the use of tools.



Model No.	Dimension	Material
T-300	W 300 x L mm	Aluminum
T-400	W 400 x L mm	Aluminum
T-500	W 500 x L mm	Aluminum
T-600	W 600 x L mm	Aluminum



Baffle Ceiling System



UNI-FLEX U-Series Baffle ceiling system is an integrated ceiling with concealed suspension system where flexibility and accessibility are important features. The distinctive flat tiles offer many design and functional opportunities. The tiles are chamfered or square on all edges emphasizing the rectangular feature. Acoustic values can be obtained with standard perforation around the edges of the tiles.

The U-Series baffle ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Panel

Pattern : Square or rectangular.

Material : Aluminum extrusion.

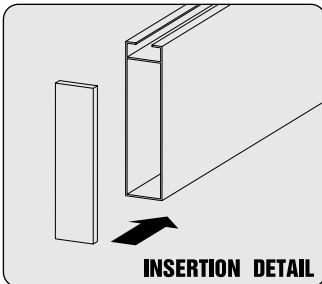
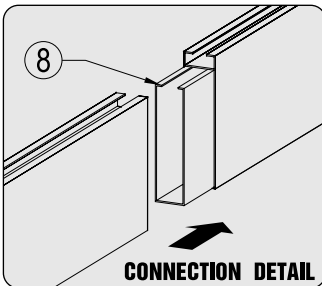
Colour

The baffle surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

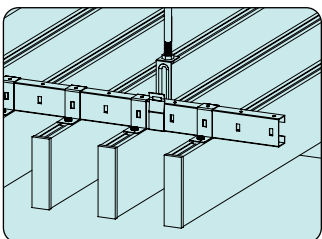
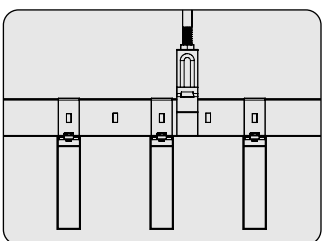
Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

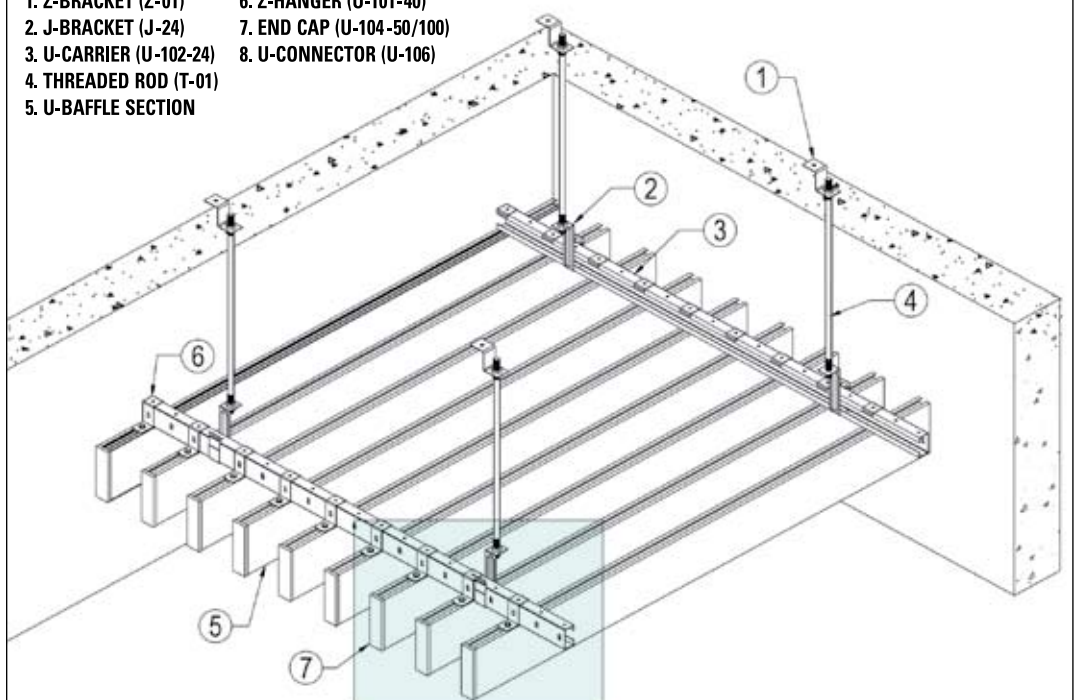
In the concealed suspension system the tiles are secured to the carrier with the minimum use of tools.



Model No.	Dimension	Material
U-2550	W 25mm x H 50mm	Aluminum
U-25100	W 25mm x H 100mm	Aluminum



1. Z-BRACKET (Z-01)
2. J-BRACKET (J-24)
3. U-CARRIER (U-102-24)
4. THREADED ROD (T-01)
5. U-BAFFLE SECTION
6. Z-HANGER (U-101-40)
7. END CAP (U-104-50/100)
8. U-CONNECTOR (U-106)



Recessed Linear Ceiling System (Non-Grooved)

UNI-FLEX V-Series Recessed linear ceiling system is an integrated ceiling with concealed suspension system where flexibility and accessibility are important features. The distinctive flat tiles offer many design and functional opportunities. The tiles are chamfered or square on all edges, emphasizing the rectangular feature. Acoustic values can be obtained with standard perforation around the edges of the tiles.

The V-Series recessed linear ceiling system, with its combination of sizes, types and a wide variety of colours, together with our comprehensive range of integrated lighting and ventilation equipment, offers the designer an unsurpassed level of flexibility.

Panel

Pattern : 100, 150, 200, 300 mm width.

Material : Aluminum alloy.

Colour

The ceiling panel surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

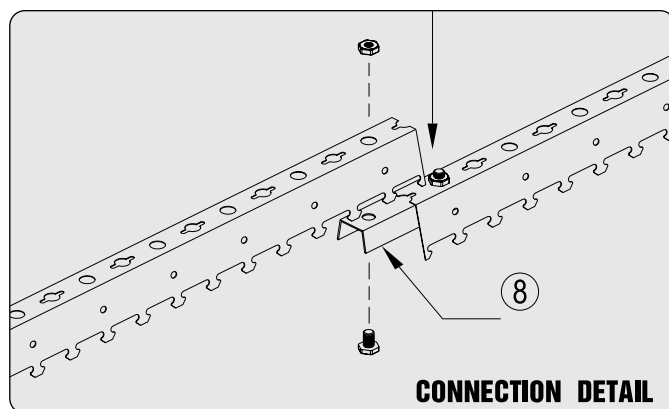
Perforation

Various holes sizes and perforation patterns are available based on your request. The acoustic felt bonded to the reverse side of the tiles contributes to optimal acoustics. Should you have special perforation needs, please contact us for more advice.

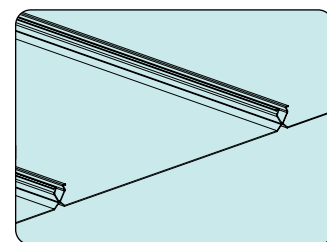
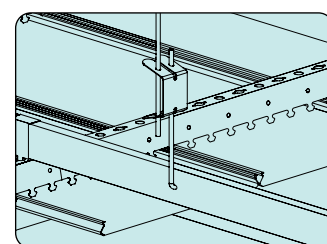
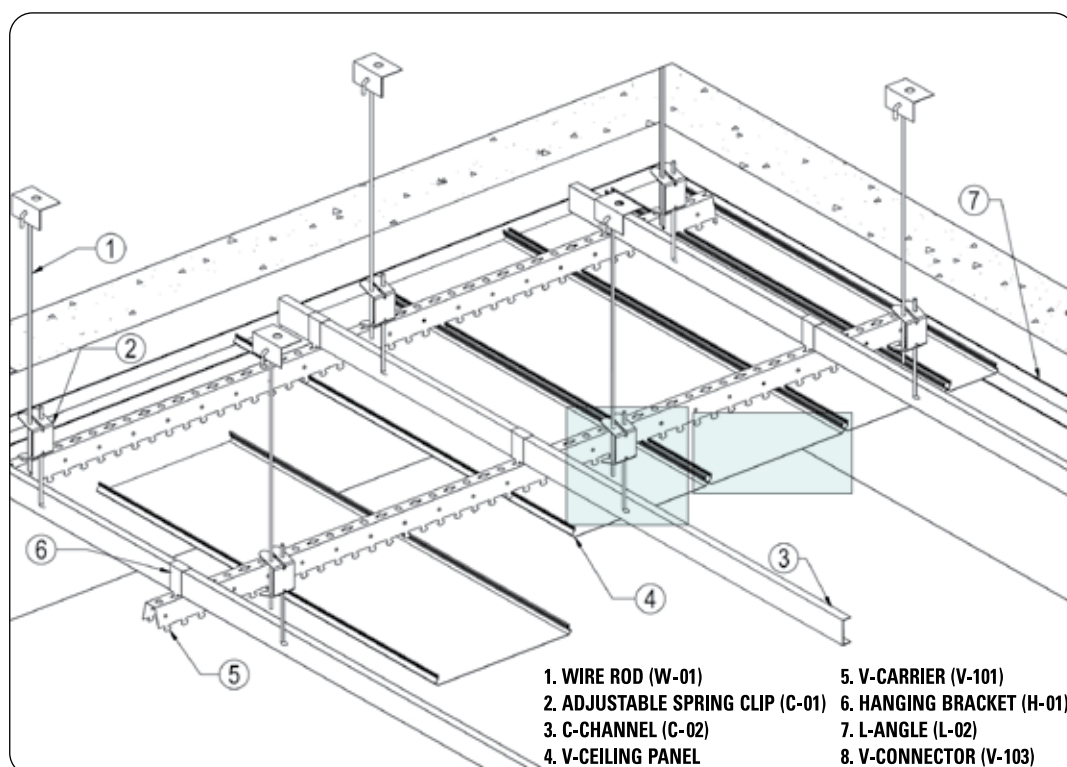
Suspension

All the carriers and components are made of durable steel material with galvanized finish to prevent corrosion.

In the concealed suspension system the tiles are secured to the carrier without the use of tools.



Model No.	Dimension	Material
V-100	W 100 x L mm	Aluminum
V-150	W 150 x L mm	Aluminum
V-200	W 200 x L mm	Aluminum
V-300	W 300 x L mm	Aluminum



1. WIRE ROD (W-01)
2. ADJUSTABLE SPRING CLIP (C-01)
3. C-CHANNEL (C-02)
4. V-CEILING PANEL
5. V-CARRIER (V-101)
6. HANGING BRACKET (H-01)
7. L-ANGLE (L-02)
8. V-CONNECTOR (V-103)

Standard Access Panel



UNI-FLEX W-Series Standard access panel made of aluminum extrusion with 3 standard sizes. The access door is designed with a conceal flange for easy installation, and the surface painted same colour to match the ceiling system.

The access panel is a perfect solution for the technician to access the ceiling plenum for routine service and maintenance.

Panel

Pattern : Square.

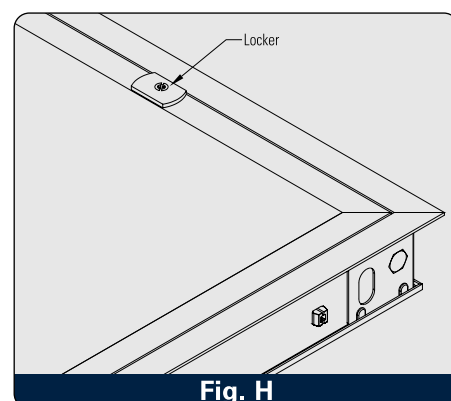
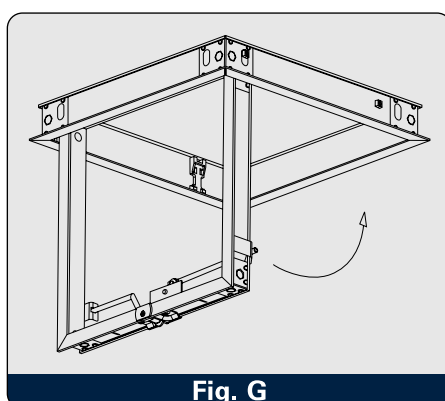
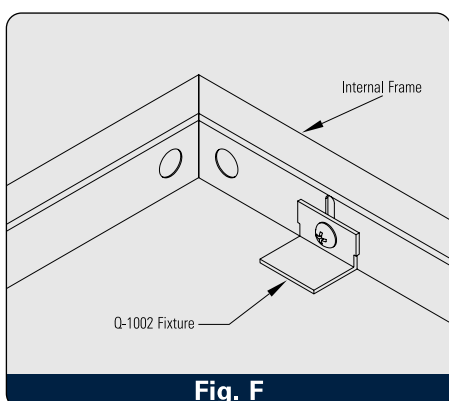
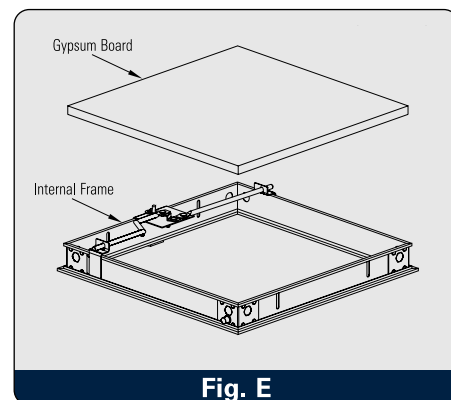
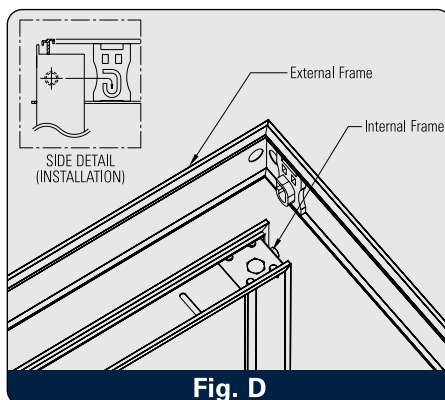
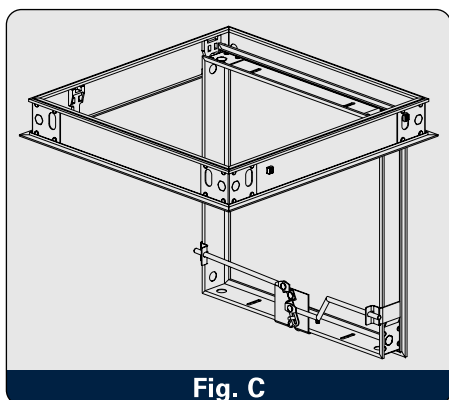
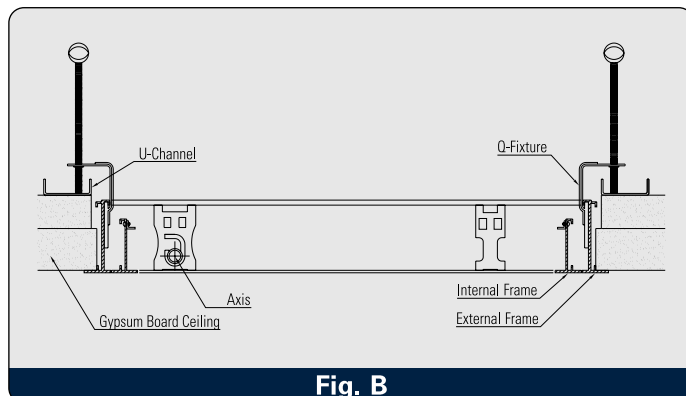
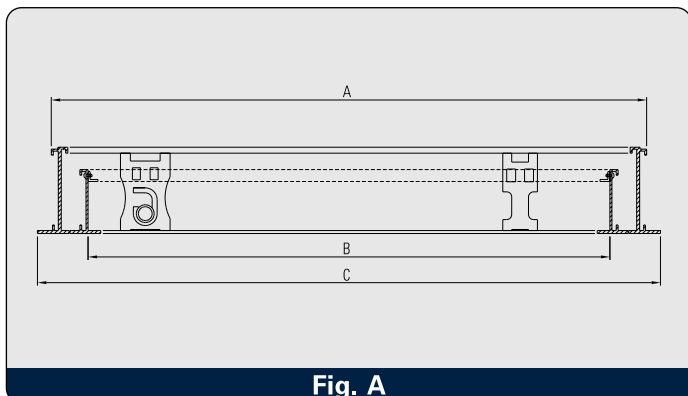
Material : Aluminum alloy.

Colour

The access panel surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.

Model	Size/mm	A/mm	B/mm	C/mm
W-300	300 x 300	300	263	314
W-450	450 x 450	450	413	464
W-600	600 x 600	600	563	614

Special Dimension can be ordered according to the enquiry of Designers, Architects and Consulants.



Concealed Access Panel

UNI-FLEX Y-Series Conceal access panel made of aluminum extrusion with 3 standard sizes. The access door is designed with a conceal flange for easy installation, and the surface painted same colour to match the ceiling system.

The access panel is a perfect solution for the technician to access the ceiling plenum for routine service and maintenance.

Panel

Pattern : Square.

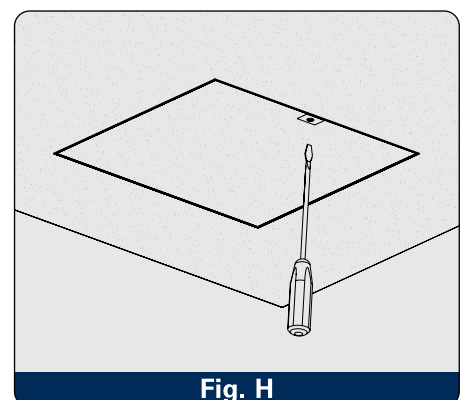
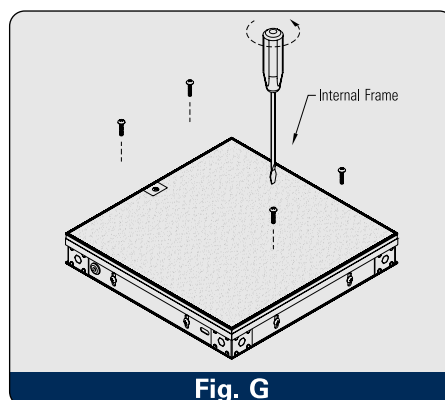
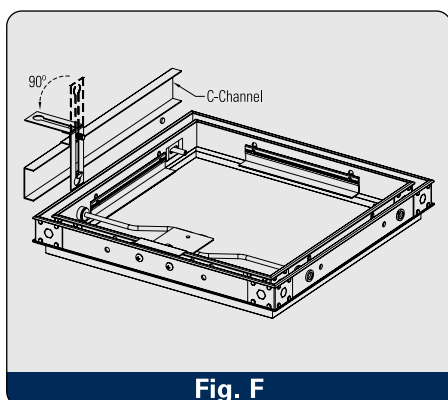
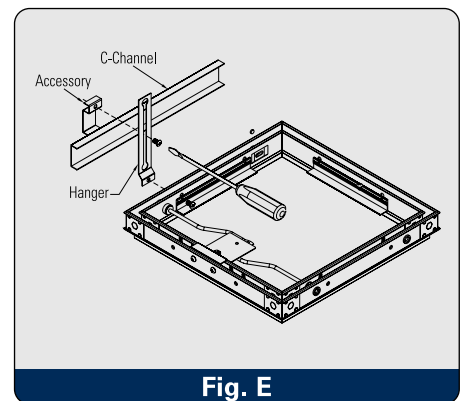
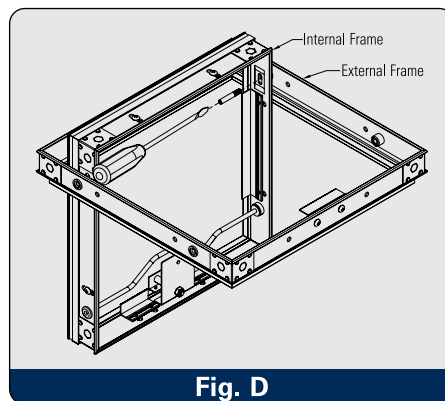
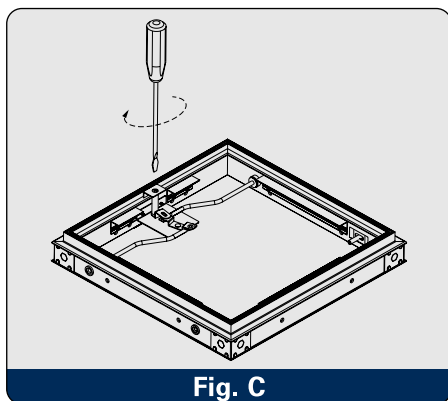
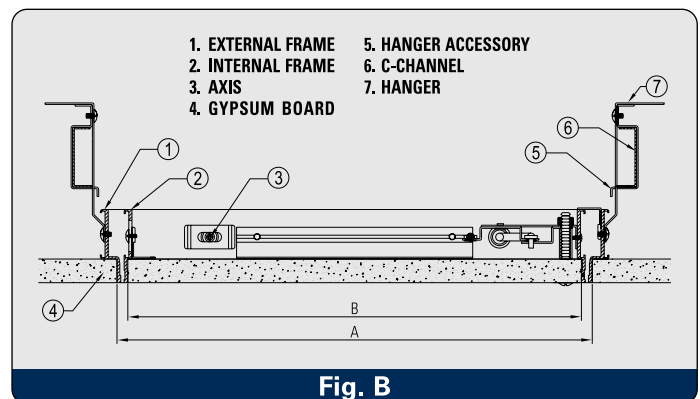
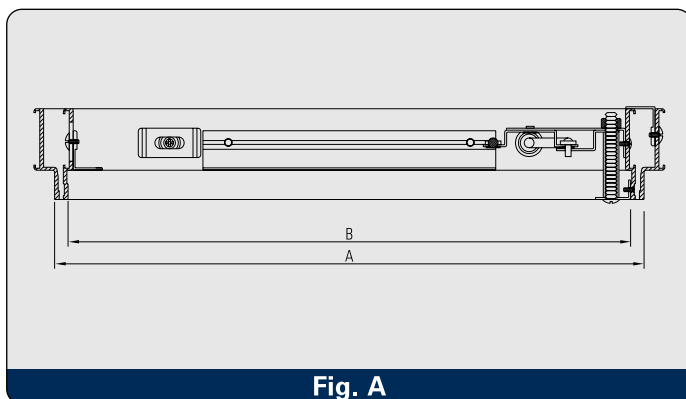
Material : Aluminum alloy.

Colour

The access panel surfaces are powder coated as standard in a matt finish with a 10%~15% gloss level. The standard colours are Pure White RAL 9010, Traffic White RAL 9016 and Signal White RAL 9003. Many other colours are available upon request.



Model No.	Dimension		
	Size	A	B
Y-300	300 x 300 mm	300 mm	288 mm
Y-450	450 x 450 mm	450 mm	438 mm
Y-600	600 x 600 mm	600 mm	588 mm



Aluminum Honeycomb Wall System



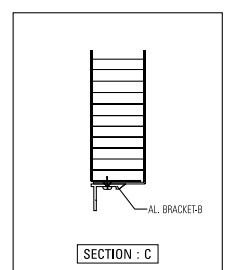
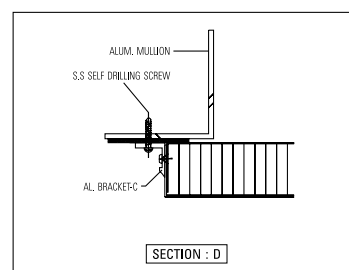
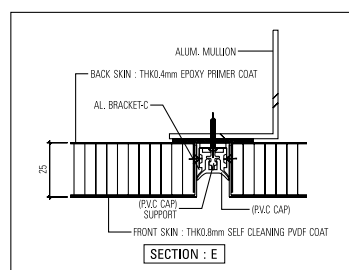
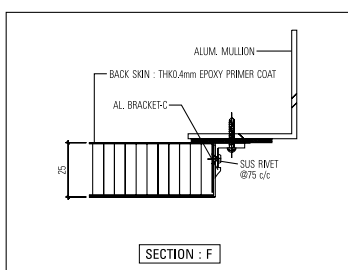
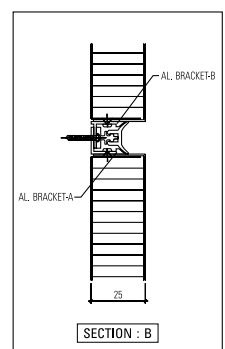
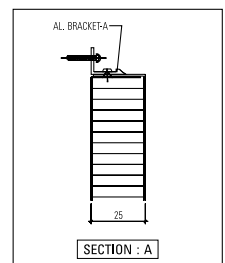
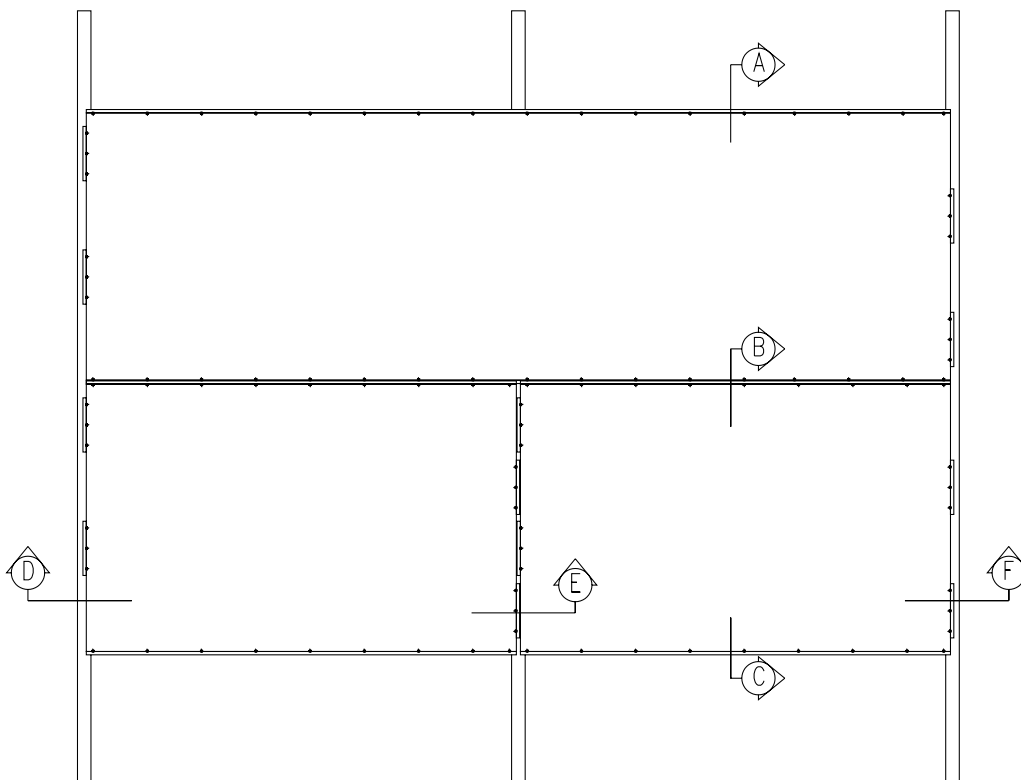
UNI-FLEX Q-Series aluminum honeycomb wall system is a unique, open joint external wall cladding system. The system base on the principles of rain through concept, all walls with drain holes and opening from top to bottom. The distinctive flat panels feature smooth and uniform appearance can offer many design and functional opportunities. The panels are square, rectangular or special shape manufactured in made-to measure. Panel manufacture with aircraft technology to produce lightweight and durable panels.

Panel Specification:

	QS-6	QS-12	QS-25
Panel Thickness	6 mm	12 mm	25 mm
Groove Width	15 & 20 mm	15 & 20 mm	15 & 25 mm
Max. Width	1,200 mm	1,200 mm	1,200 mm
Max. Length	4,000 mm	4,500 mm	4,500 mm
Front Skin	0.8 mm	0.8 mm	0.8 mm
Back Skin	0.4 mm	0.4 mm	0.4 mm
Honeycomb Core	9.5 mm	9.5 mm	9.5 mm
Weight	3.8 Kg per m ²	5.7 Kg per m ²	6.9 Kg per m ²

Aluminum Skin:

Facing Materials	Yield Strength (Kg/cm ²)	Modulus of Elasticity (Kg/cm ²)	$\lambda(1-\mu^2)$
Aluminum A3003 – H16	1266	7.03×10^5	0.89



Aluminum Honeycomb Wall System

Aluminum Honeycomb Core:

Properties	Values			
	1/4"	3/8"	1/2"	3/4"
Density (kg/m ³)	80	54	38	29
Compression Strength Unstabilized (kg/mm ²)	0.46	0.25	0.14	0.09
Compression Strength Stabilized (kg/mm ²)	0.48	0.27	0.15	0.095
Compression Module Stabilized (kg/mm ²)	108	67	29	17
Crush Strength (kg/mm ²)	0.18	0.087	0.044	0.032
Plate Shear Strength/L-Direction (kg/mm ²)	0.25	0.16	0.09	0.07
Plate Shear Module/L-Direction (kg/mm ²)	0.05	0.03	0.02	0.014
Plate Shear Strength/W-Direction (kg/mm ²)	0.15	0.03	0.02	0.014
Plate Shear Module/L-Direction (kg/mm ²)	0.027	0.015	0.009	0.008
Bonding Strength between Foil (kg/mm ²)	35	27	23	20
Flammability (kg/mm ²)	Non-Combustible			

Colour Finish (PVDF):

Properties		Description	Result(Aluminum)	Remarks
Gloss		60° Gloss	±5	ASTM D523
Pencil Hardness		Eagle-Turquoise	F min	ASTM D3363
Adhesion	Dry	1mm Cross Cut (18 °C~27 °C)	100/100	ASTM D3359
	Wet	1mm Cross Cut (38 °C x 24 hrs)	100/100 No Blistering	
	Boiling	1mm Cross Cut (100 °C x 20mins Boiling)	100/100 No Blistering	
Impact		1/2" x 0.5kg x 50cm	No Removal	ASTM D2794
Abrasion		Falling Sand (40Min)	40	ASTM D968
Chemical Resistance		10% HCl x 15min (18 °C~27 °C)	No Blistering No Visual Change	AAMA 2605-05
		70% HNO ₃ x 30min	< Δ E=5	ASTM D2244
Alkali Resistance		10%, 25% NaOH, 1hr	No Effect	ASTM D1308
Mortar		38 °C x HR100% x 24hrs (Pat Test)	No Visual Change	AAMA 2605-05
Detergent		3% Detergent x 38 °C x 72hrs	No Blistering No Visual Change	ASTM D3359
Window Cleaner		Cleaner 10 drops x 24hrs After 4hrs test	No Blistering No Visual Change	AAMA 2605-05
Humidity		HR100% x 38 °C x 4000hrs	ASTM D714 FIG No.4 < Blister Size No.8	ASTM D2247
Salt Spray		5% Salt x 38 °C x 4000hrs	Scribe-No.7 (Within 2 mm) Field-Blister Size no.8	ASTM B117
Flexibility		T-Bend	0-2 T-Bend; No Pick-Off	ASTM D4145
Weathering South Florida Exposure 10 Years		Color Retention	Color Change Within Δ E=5	ASTMD2244
		Chalk Resistance	Chalking: > no.8 (Color) Chalking: > no.6 (White)	ASTM D659
		Gloss Retention	50% min	ASTM D523
		Resistance Erosion	Film Loss: 10% max	ASTM B244

- AAMA : America Architectural Manufactures Association
- ASTM : America Society for Testing and Materials

Aluminum Honeycomb Wall System

Combustible:

Test				Result			Test Method
				1	2	3	
Incombustible Rate (Grade:1)	Surface Test	Melting		None	None	None	KS F 2271 2006
		Deformation		None	None	None	
		Crack on Back Skin (mm)		0.0	0.0	0.0	
		Remaining Inflammation (s)		0	0	0	
		Emitting Smoke Coefficient (C _A)		1	1	1	
		Temperature, Time, Area	In 3 min	0	0	0	
			After 3 min	0	0	0	
	Material Test	Temperature Difference (°C)		0	+10	-8	

Aluminum Honeycomb Core:

Panel Thickness	Pressure			
	10 psf	20 psf	30 psf	40 psf
0.236" (6mm)	0.41" (10.41mm)	0.82" (20.82mm)	1.236" (31.39mm)	1.644" (41.75mm)
0.393" (10mm)	0.13" (3.3mm)	0.27" (6.85mm)	0.403" (10.23mm)	0.536" (13.61mm)
0.787" (20mm)	0.03" (0.76mm)	0.06" (1.52mm)	0.092" (2.34mm)	0.123" (3.12mm)
0.984" (25mm)	0.013" (0.33mm)	0.027" (0.68mm)	0.04" (1.01mm)	0.053" (1.35mm)

Cell Size : 9.5 mm cell

Front Skin : 0.8 t mm

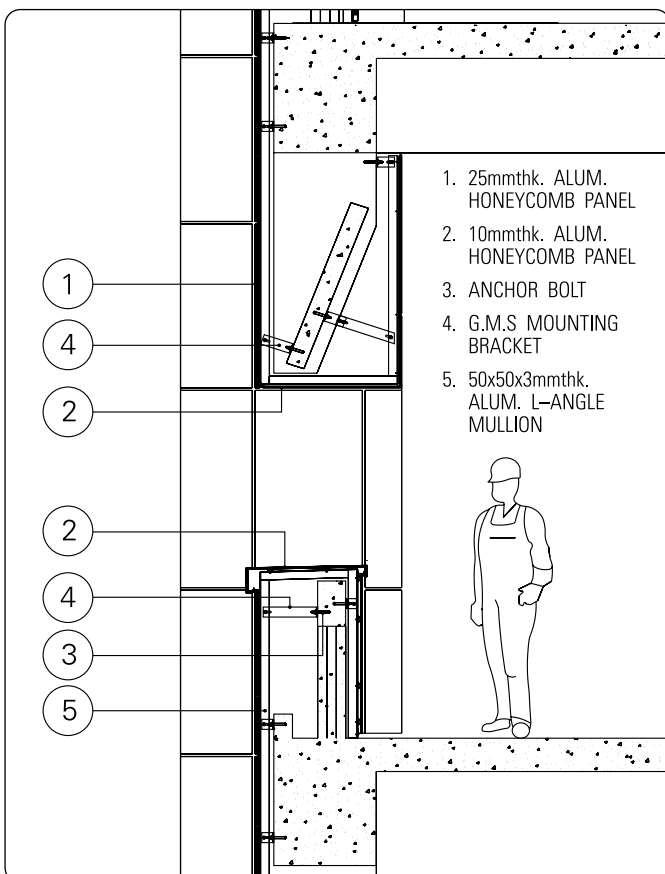
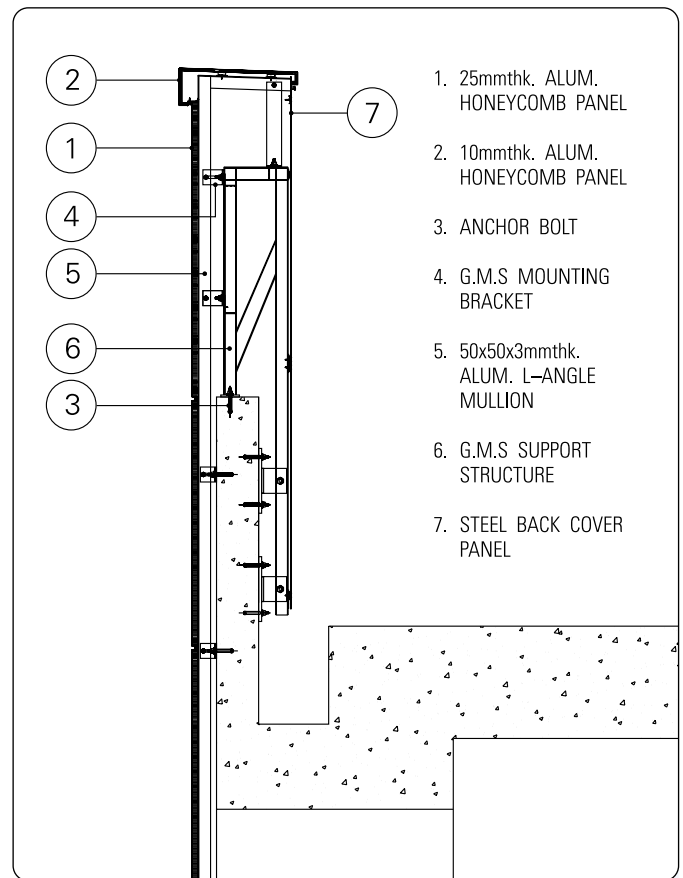
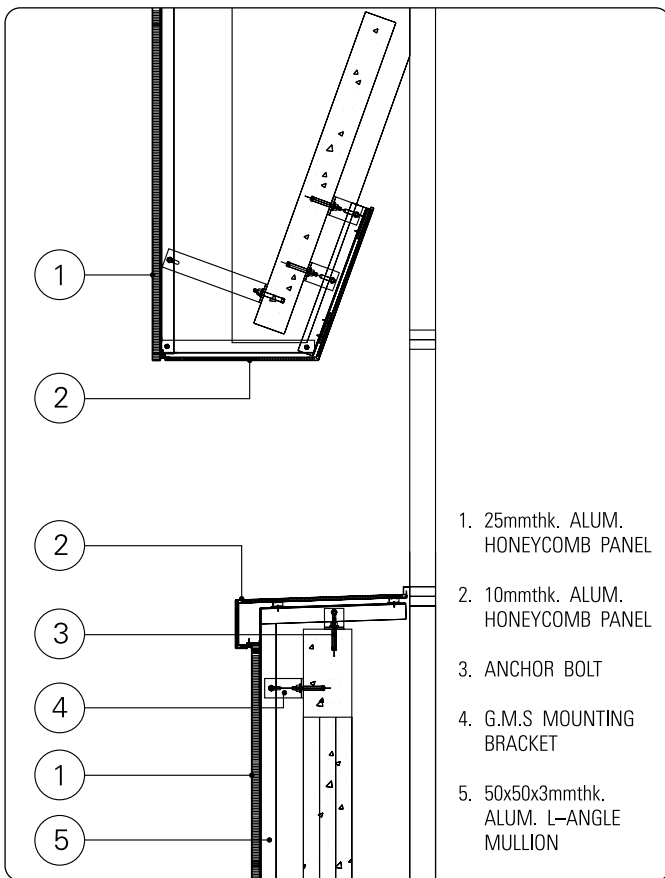
Back Skin : 0.4 t mm

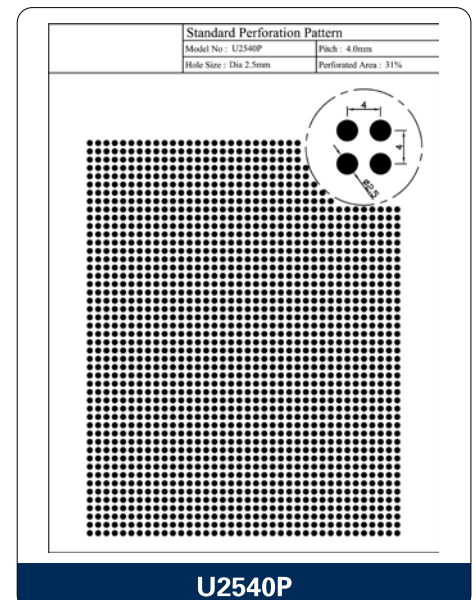
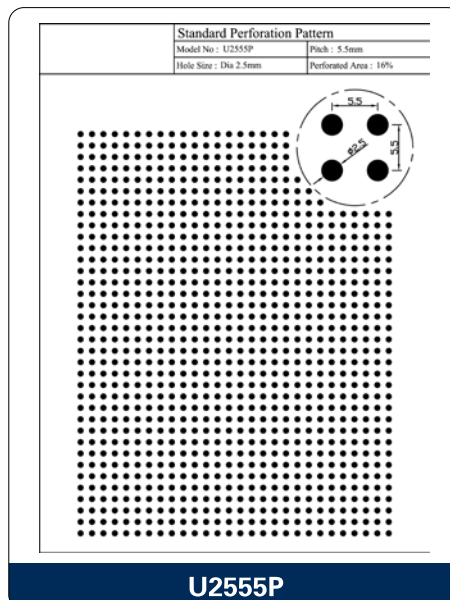
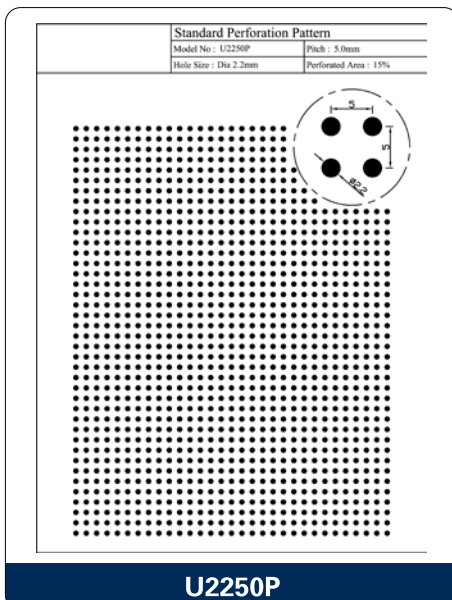
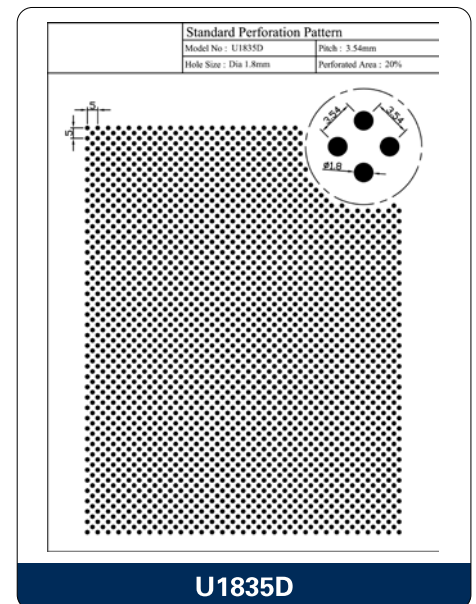
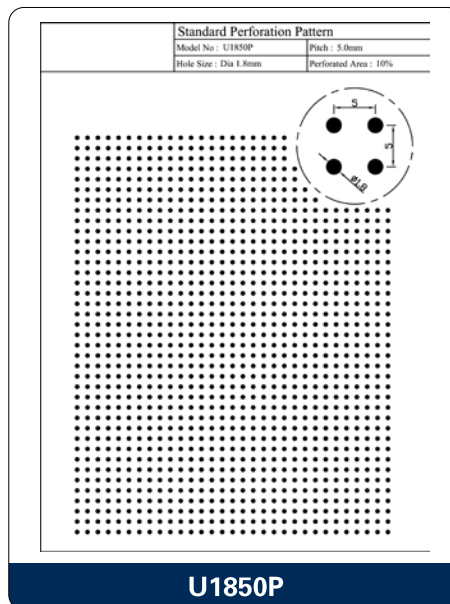
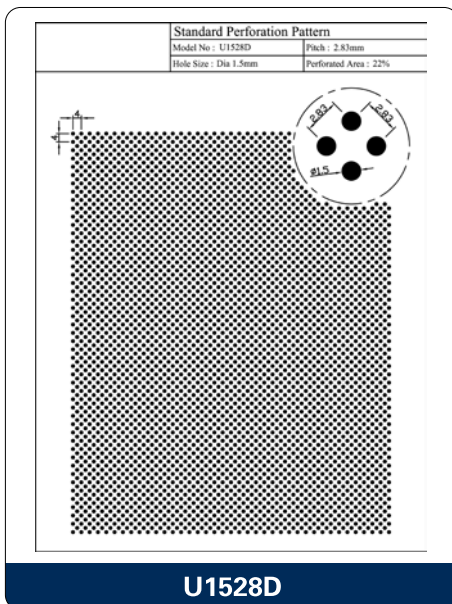
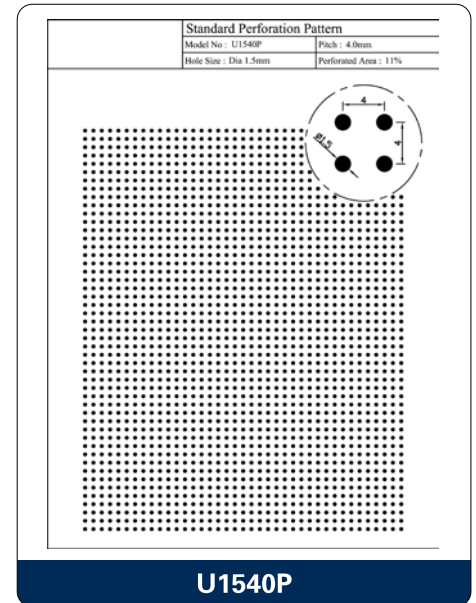
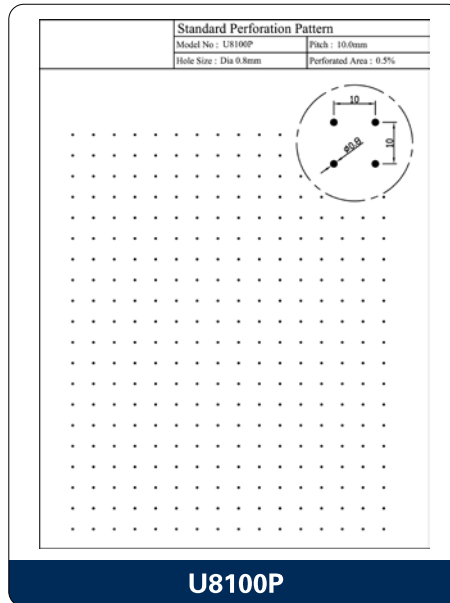
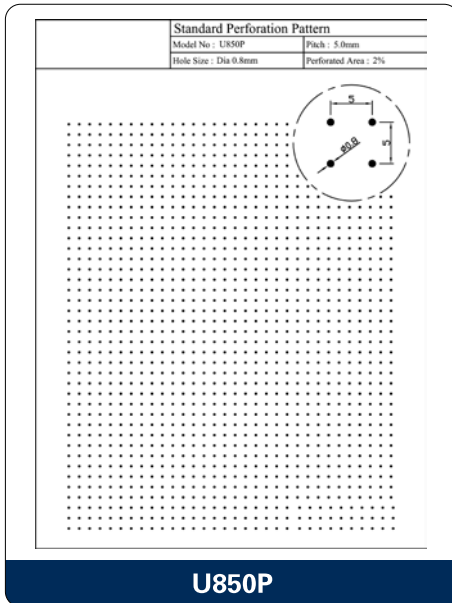
Panel Size : 1020 x 1800 x 25 t mm, standard

1020 x 3600 x 25 t mm, standard

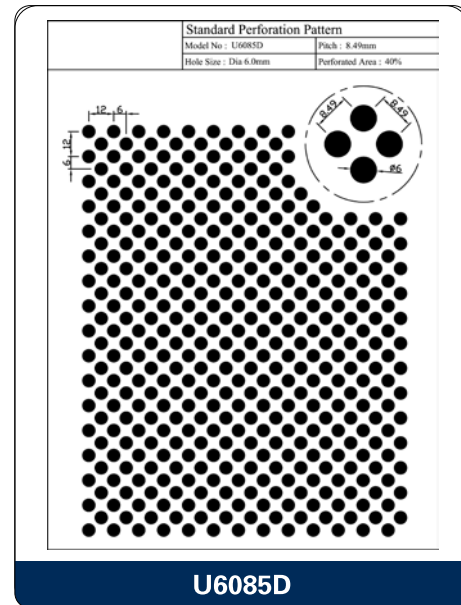
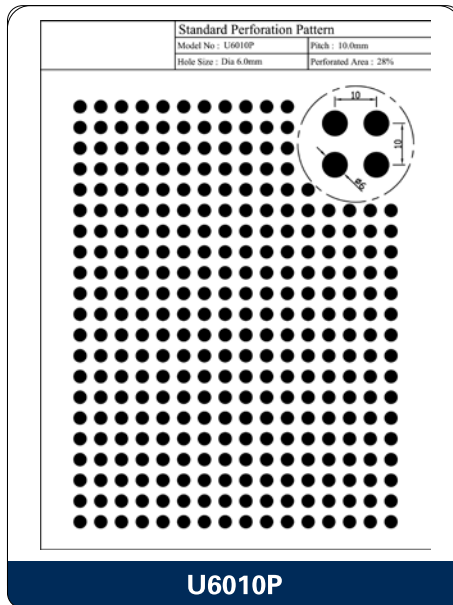
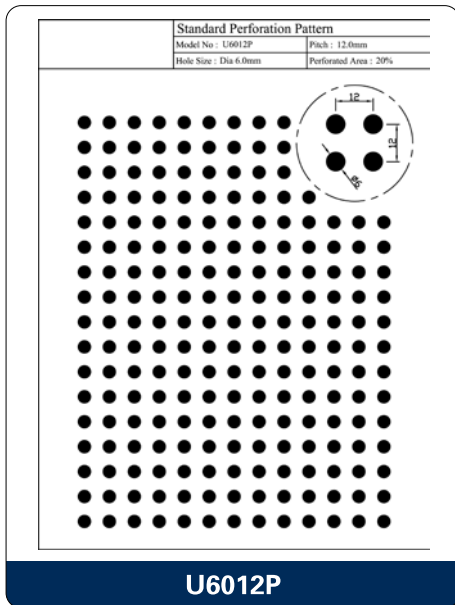
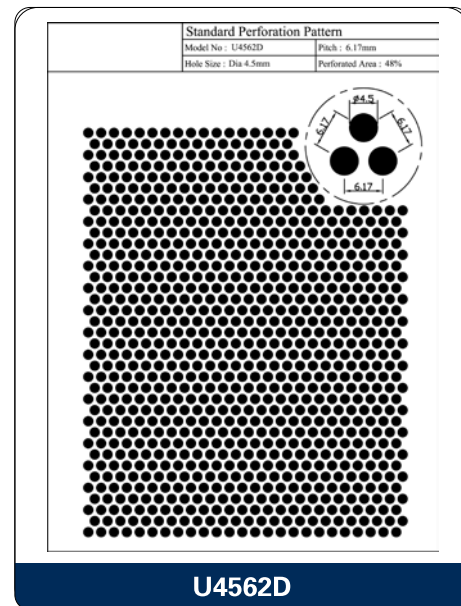
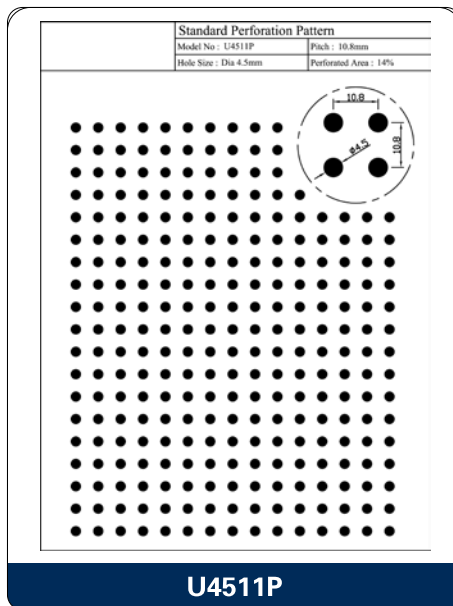
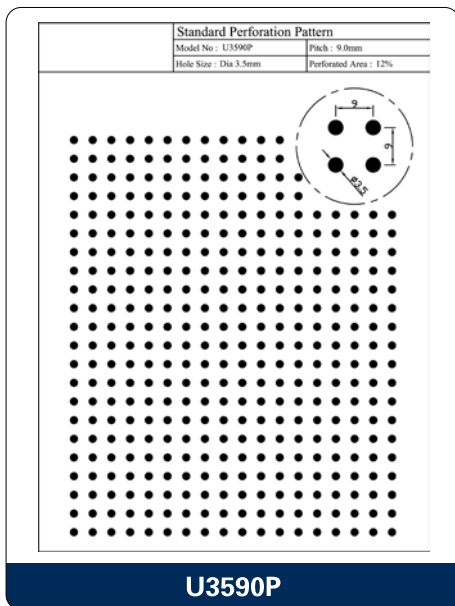
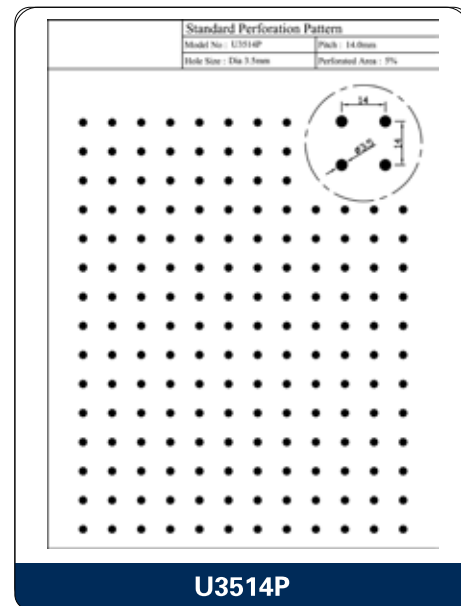
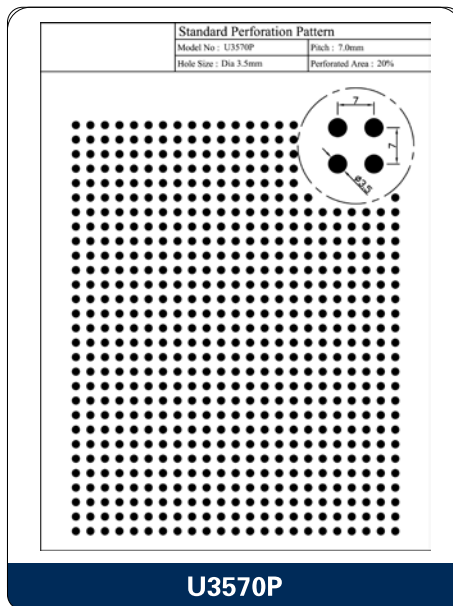
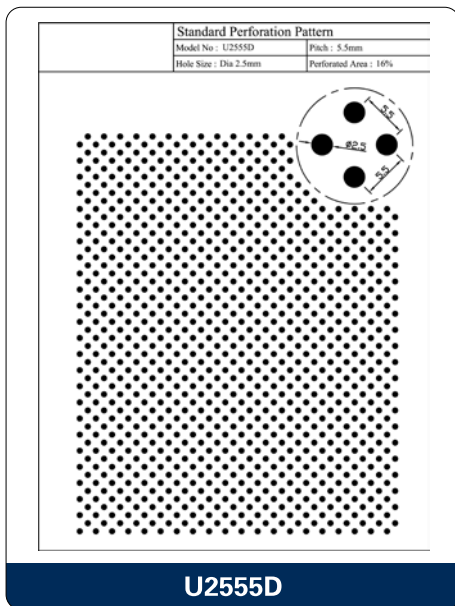


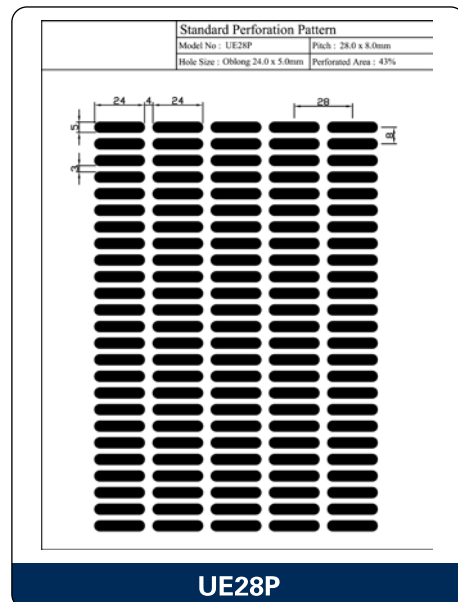
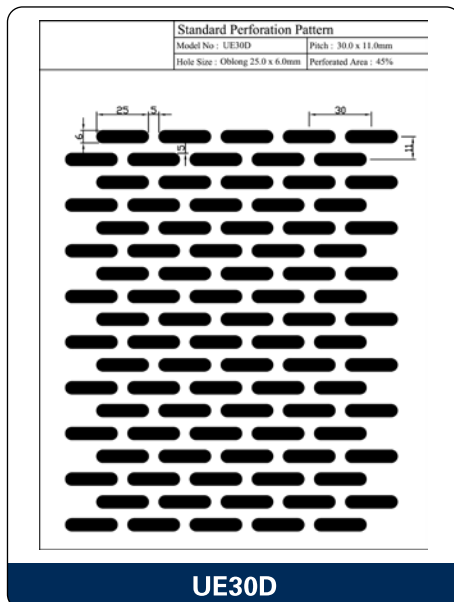
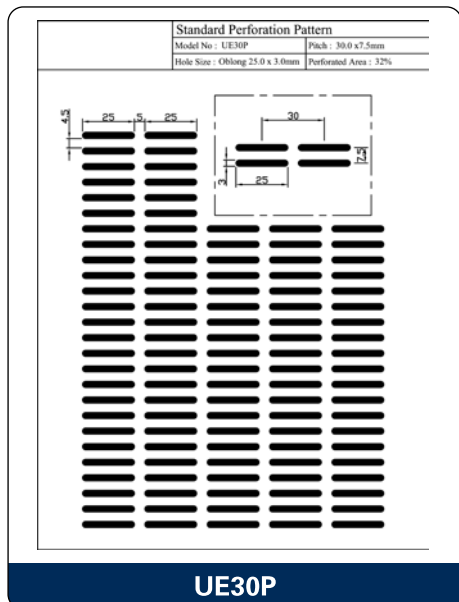
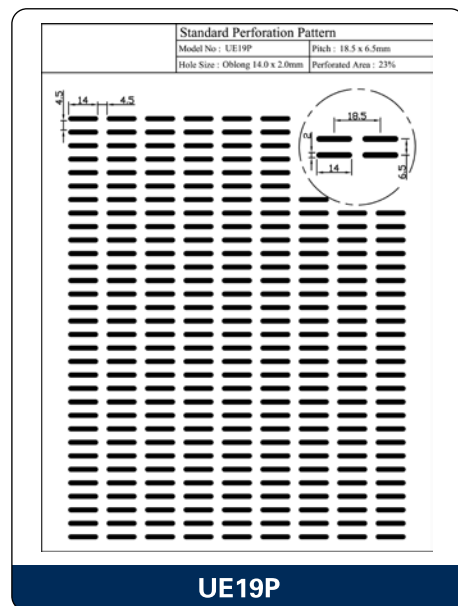
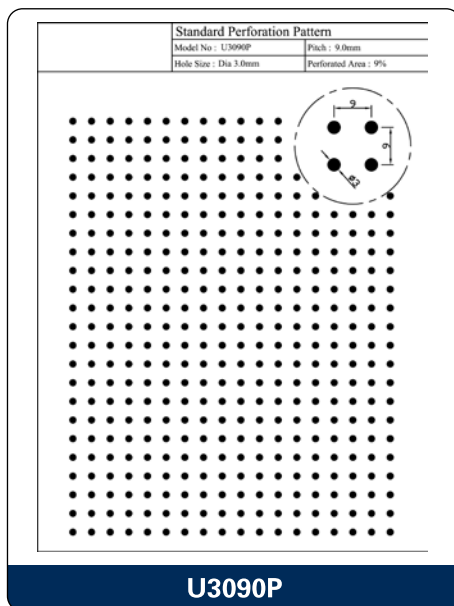
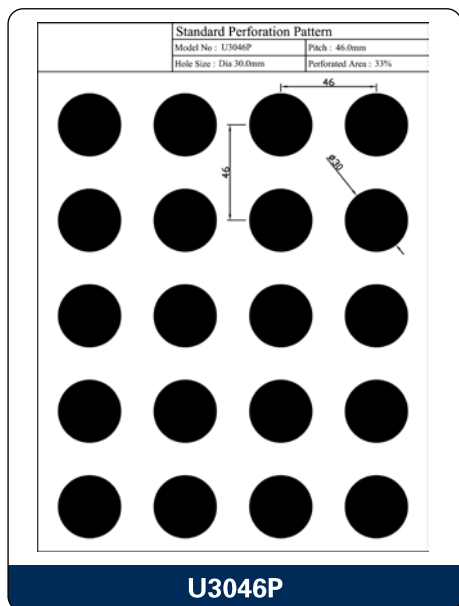
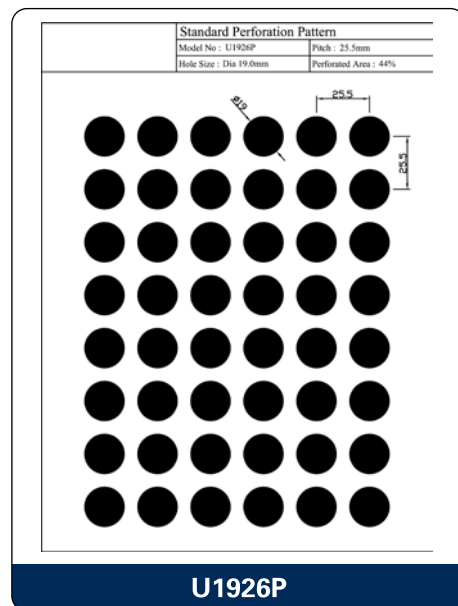
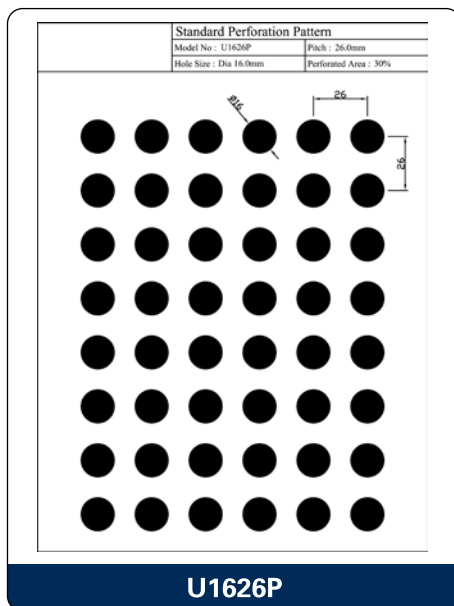
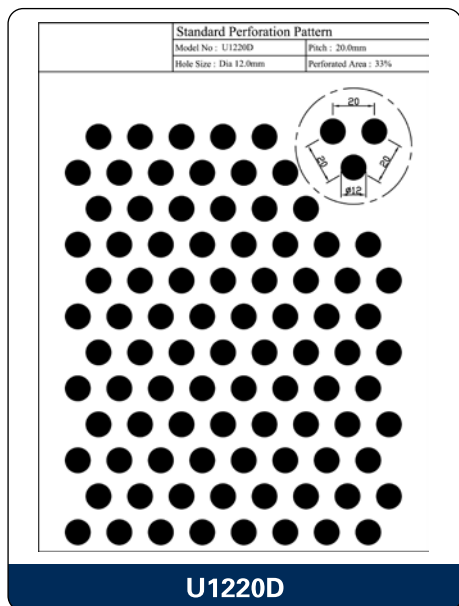
Aluminum Honeycomb Wall System



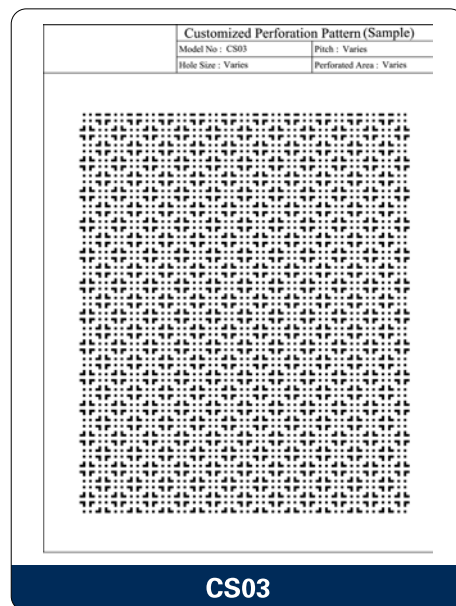
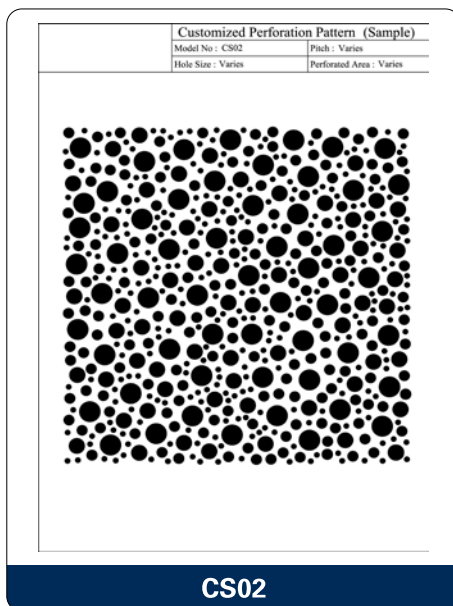
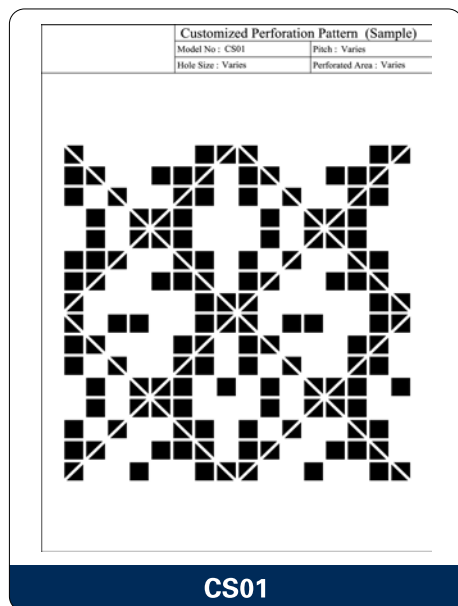
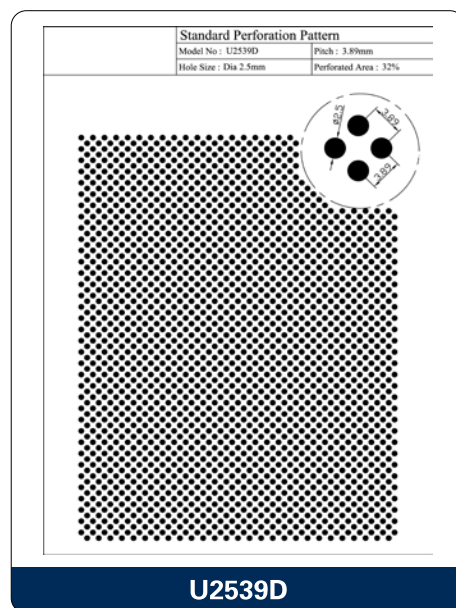
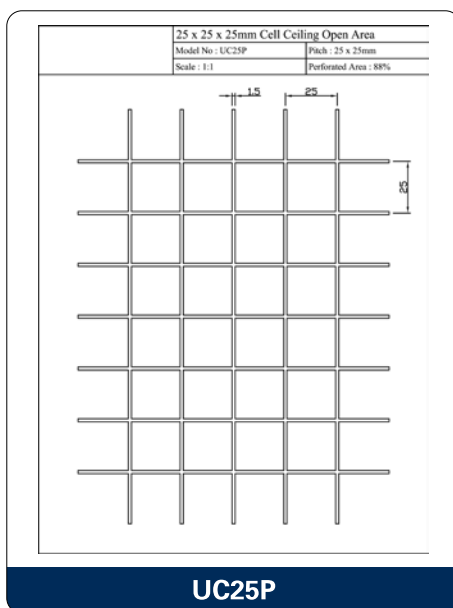
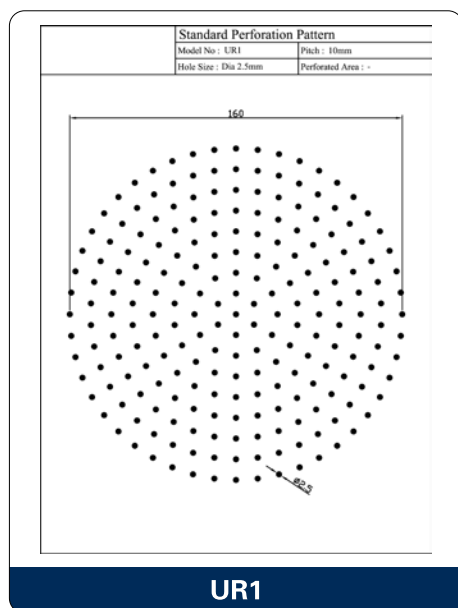
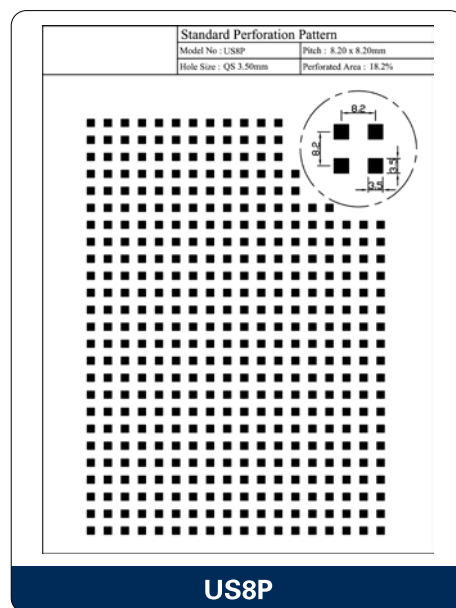
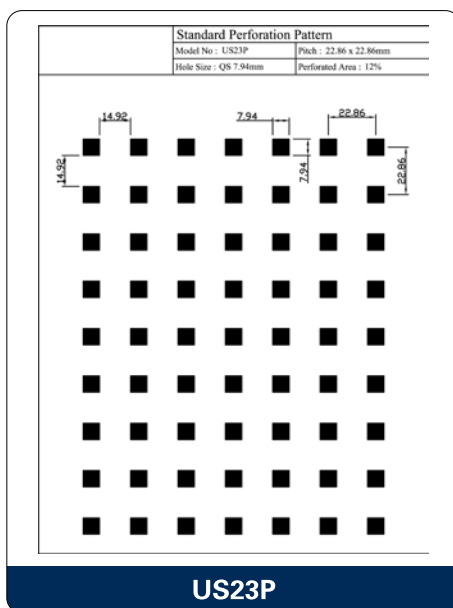
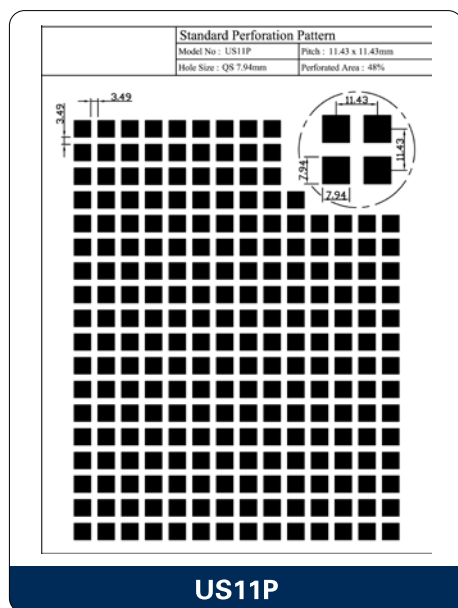


Perforation Pattern



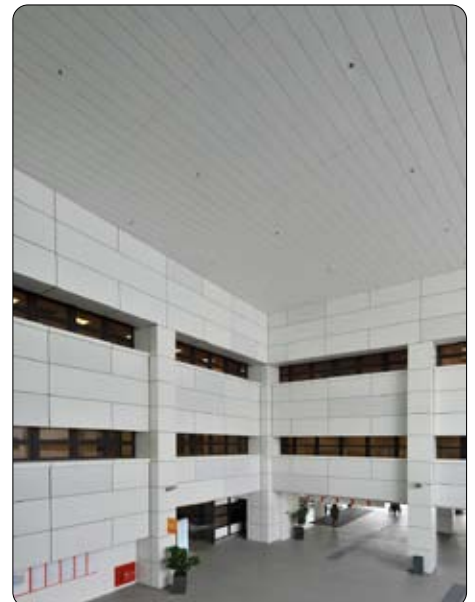


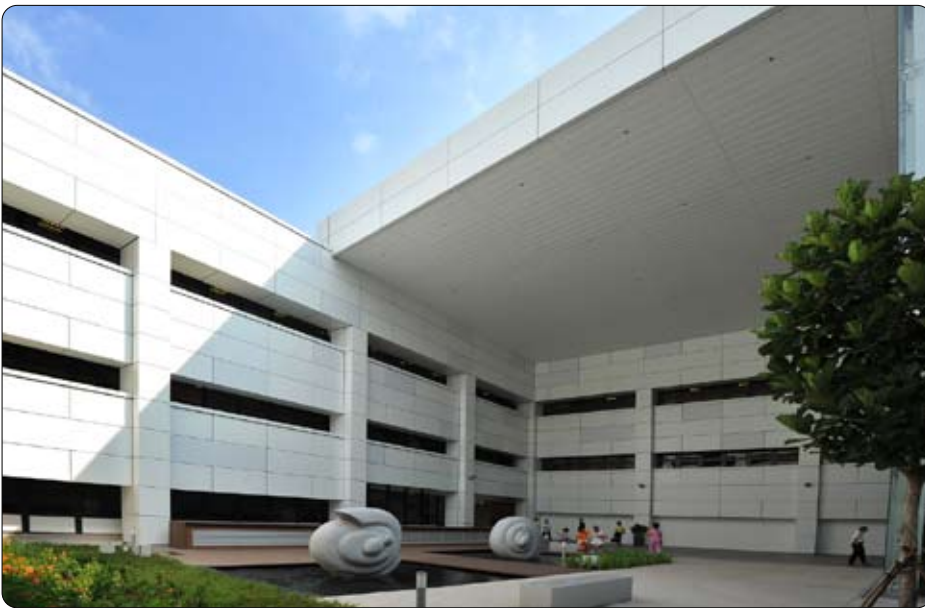
Perforation Pattern





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