

ARGGER

INSTALLATION

CATALOG



DESIGN

Understand your ideas.
Exceptional performance inspires more..

SOLVE

Seek the best solution.
Draw bridge to the future projects.

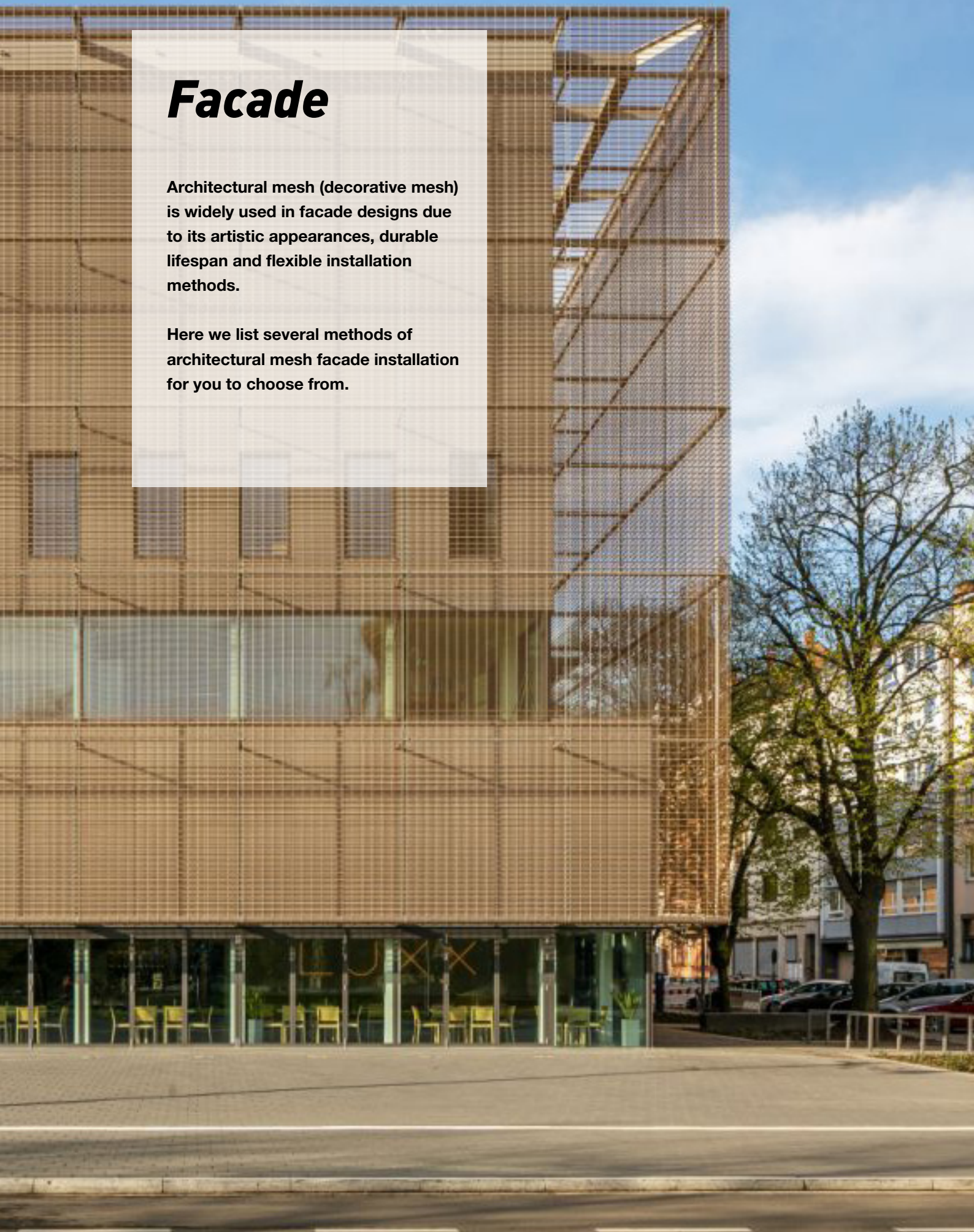
SERVICE

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Make your ideas come into reality.

Facade

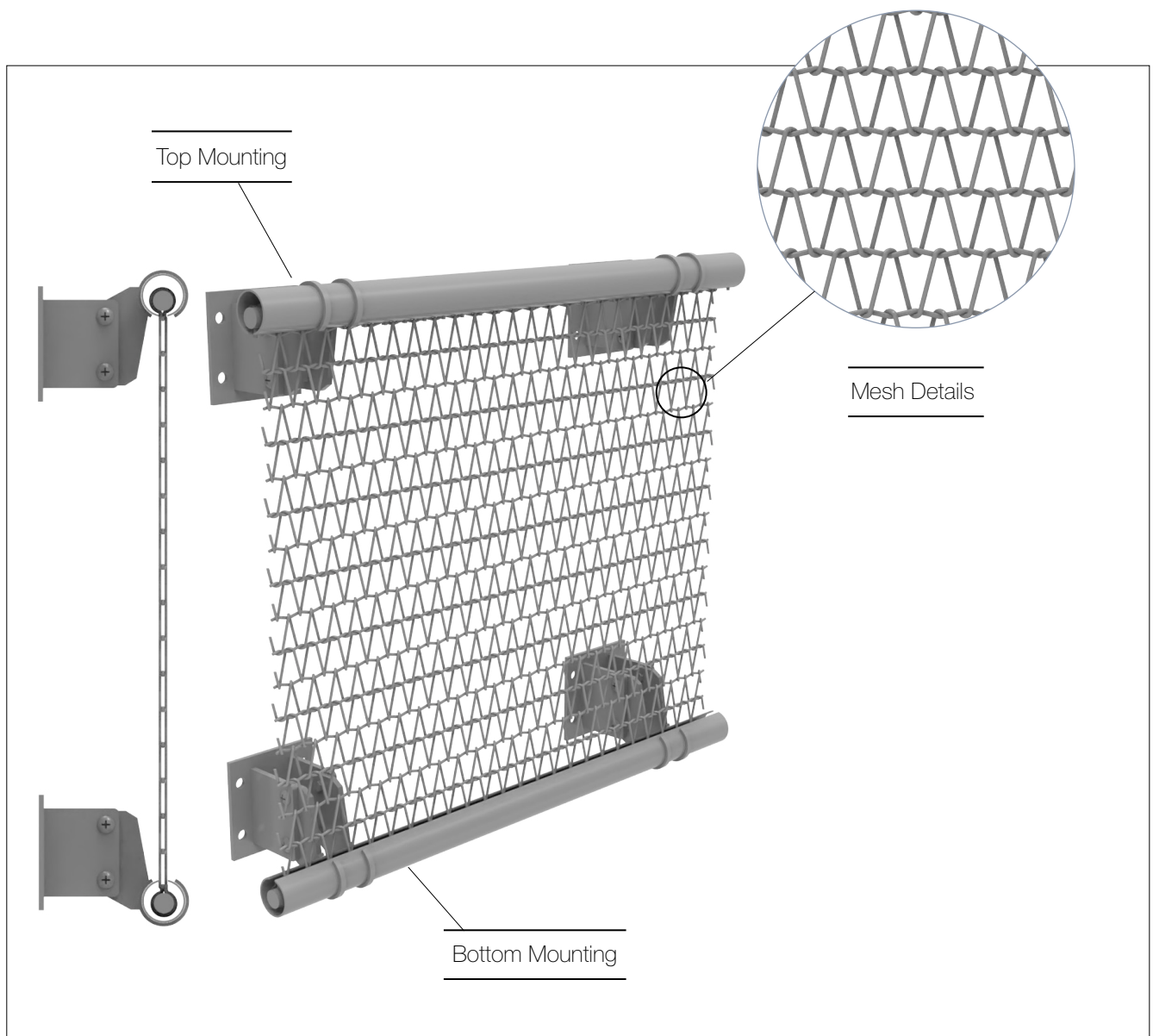
Architectural mesh (decorative mesh) is widely used in facade designs due to its artistic appearances, durable lifespan and flexible installation methods.

Here we list several methods of architectural mesh facade installation for you to choose from.



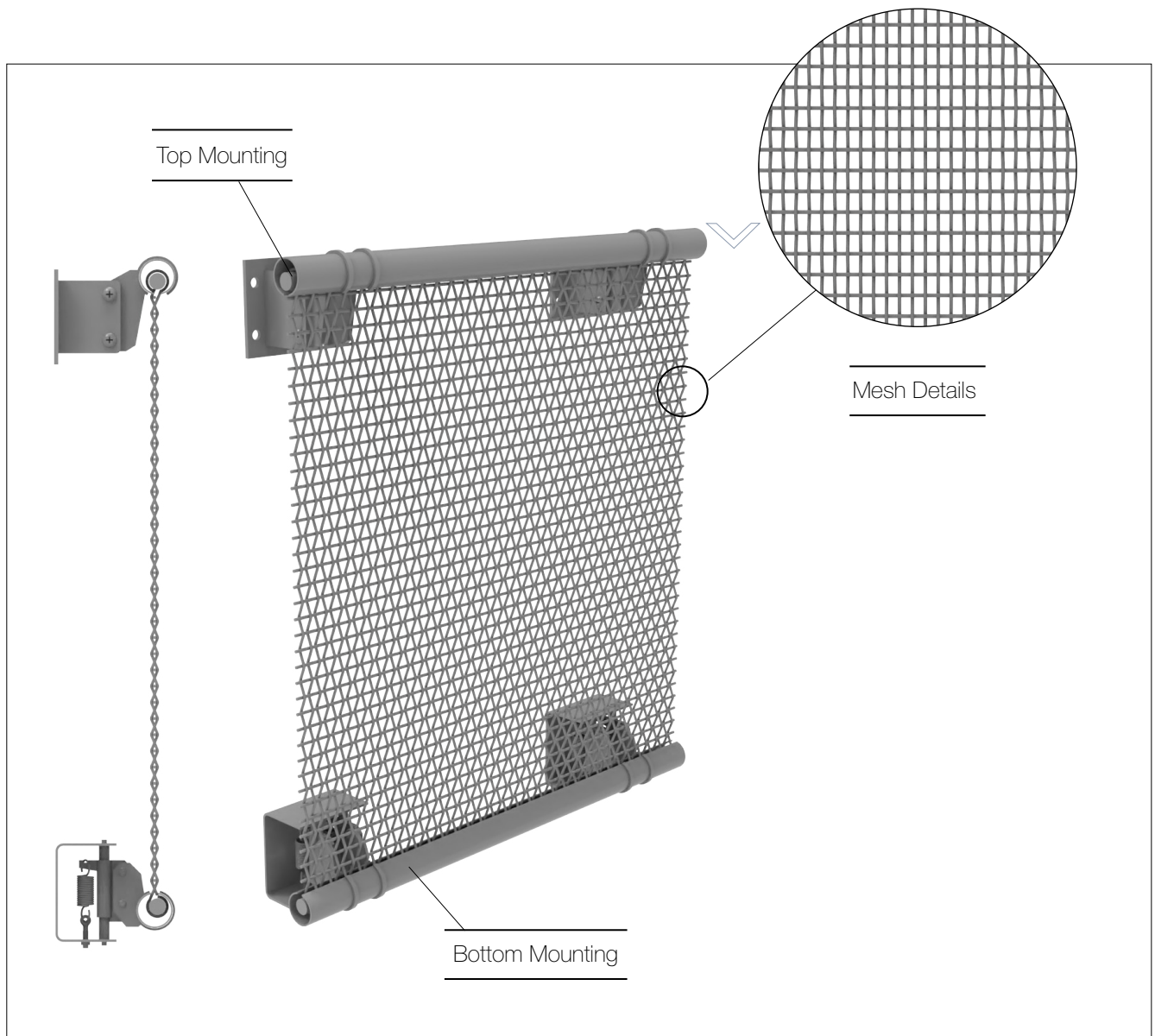
Cylindrical Shroud & Brackets

- 1 Make the architectural mesh fabric pass through a defined envelope.
- 2 Terminate both ends of the metal fabric within the cylindrical shrouds.
- 3 Use the bar in the cylinder to permanently secure the mesh fabric.
- 4 Tension the mesh fabric mechanically from the top and bottom brackets.



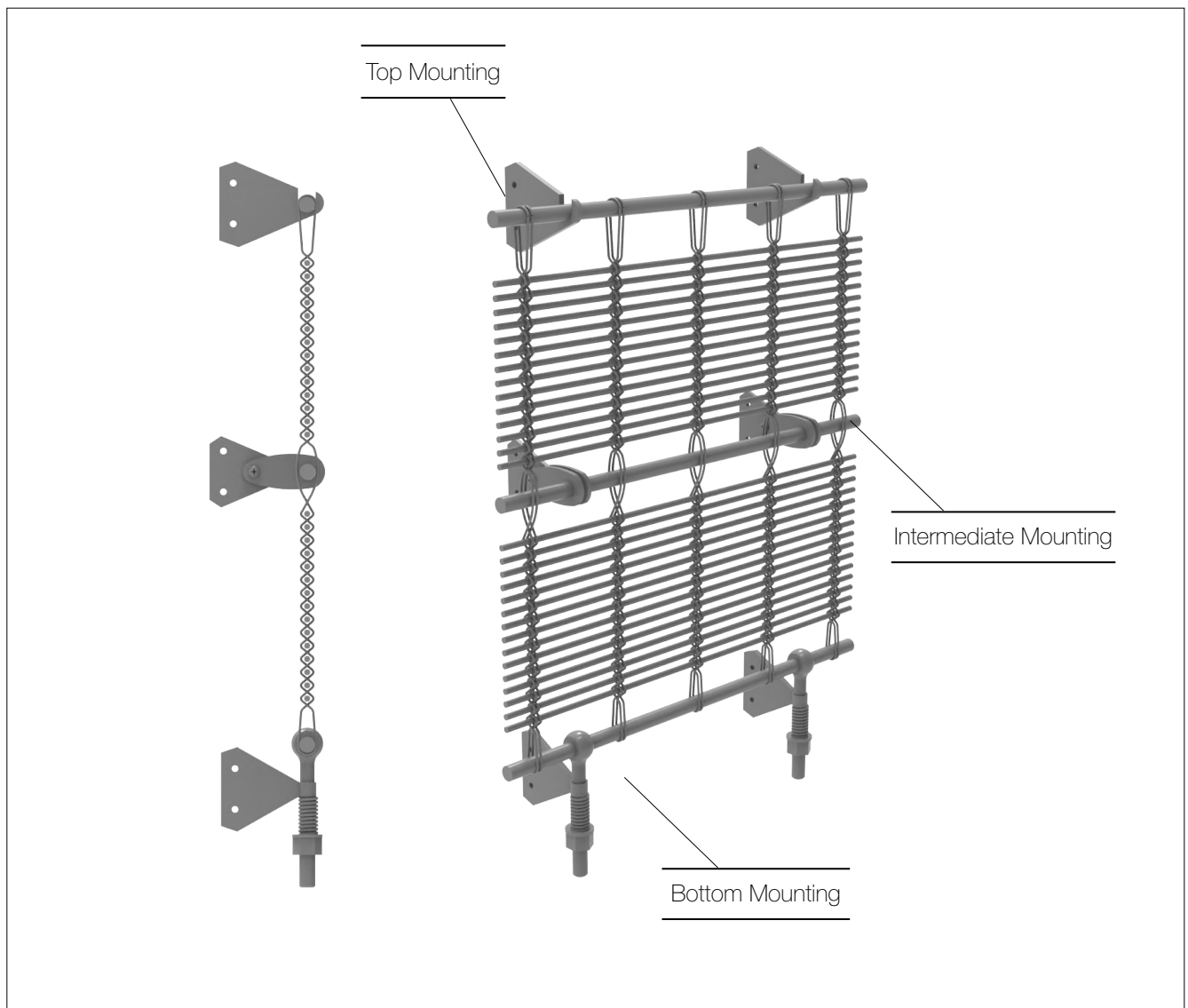
Cylindrical Shroud & Springs

- 1 Make the architectural mesh fabric pass through a defined envelope.
- 2 Terminate both ends of the metal fabric within the cylindrical shrouds.
- 3 Use the bar in the cylinder to permanently secure the mesh fabric.
- 4 Tension the mesh fabric with a hidden spring system at the bottom.



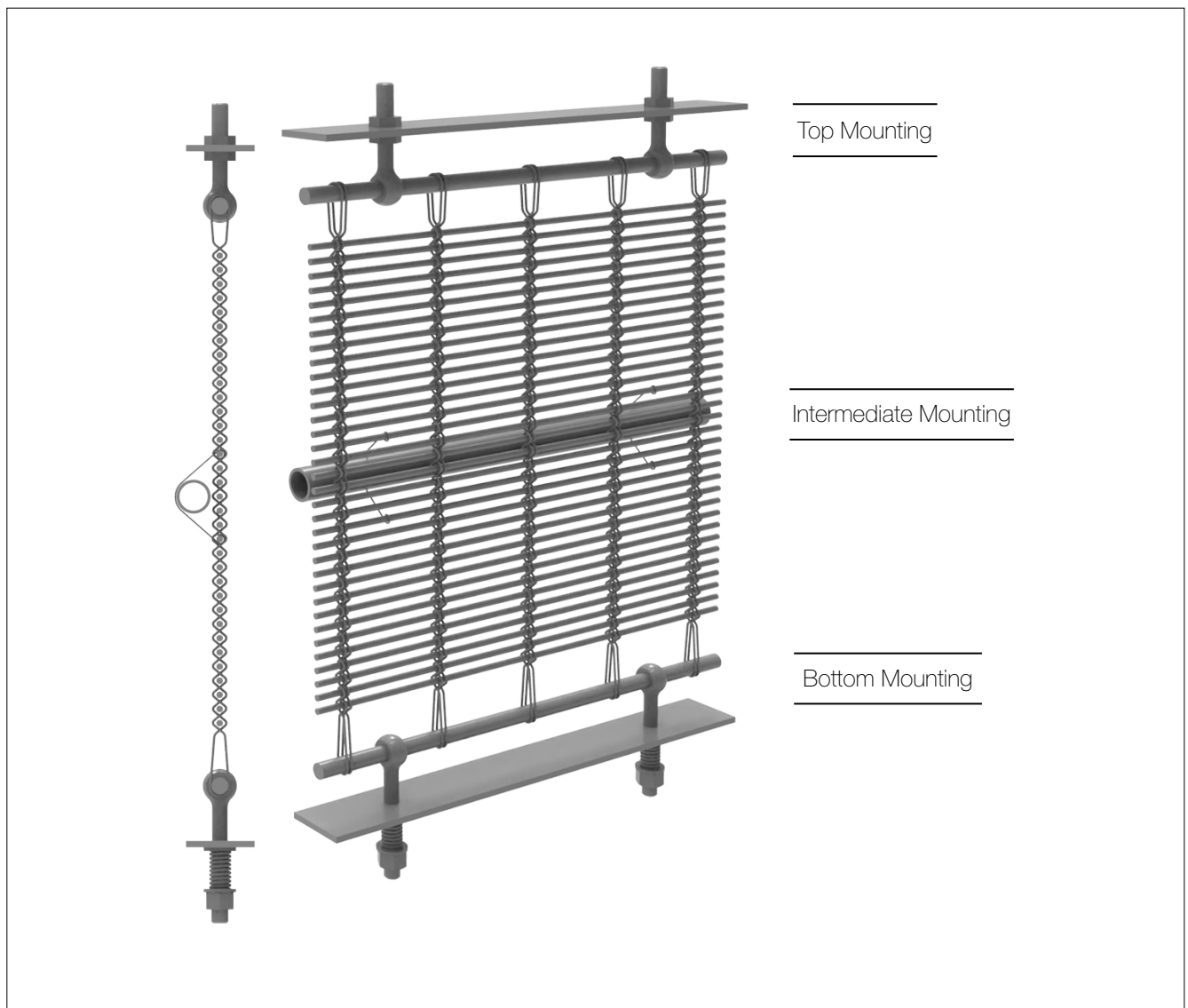
Woven-In-Bar (WIB) with Hooks & Springs

- 1 Incorporate round bars into the top, bottom and middle part of the metal fabric to replace woven weft wires.
- 2 Insert the top round bar into triangular fastening brackets to hang the mesh fabric.
- 3 Integrate intermediate round bars with triangular pivoting brackets into the mesh fabric to stabilize vertical tension and horizontal movements.
- 4 Insert the bottom round bar with eye bolts into the mesh fabric and connect eye bolts with tension springs. Fasten these springs onto the bottom brackets to apply pre-tension to the fabric and reduce the tension force on the structure



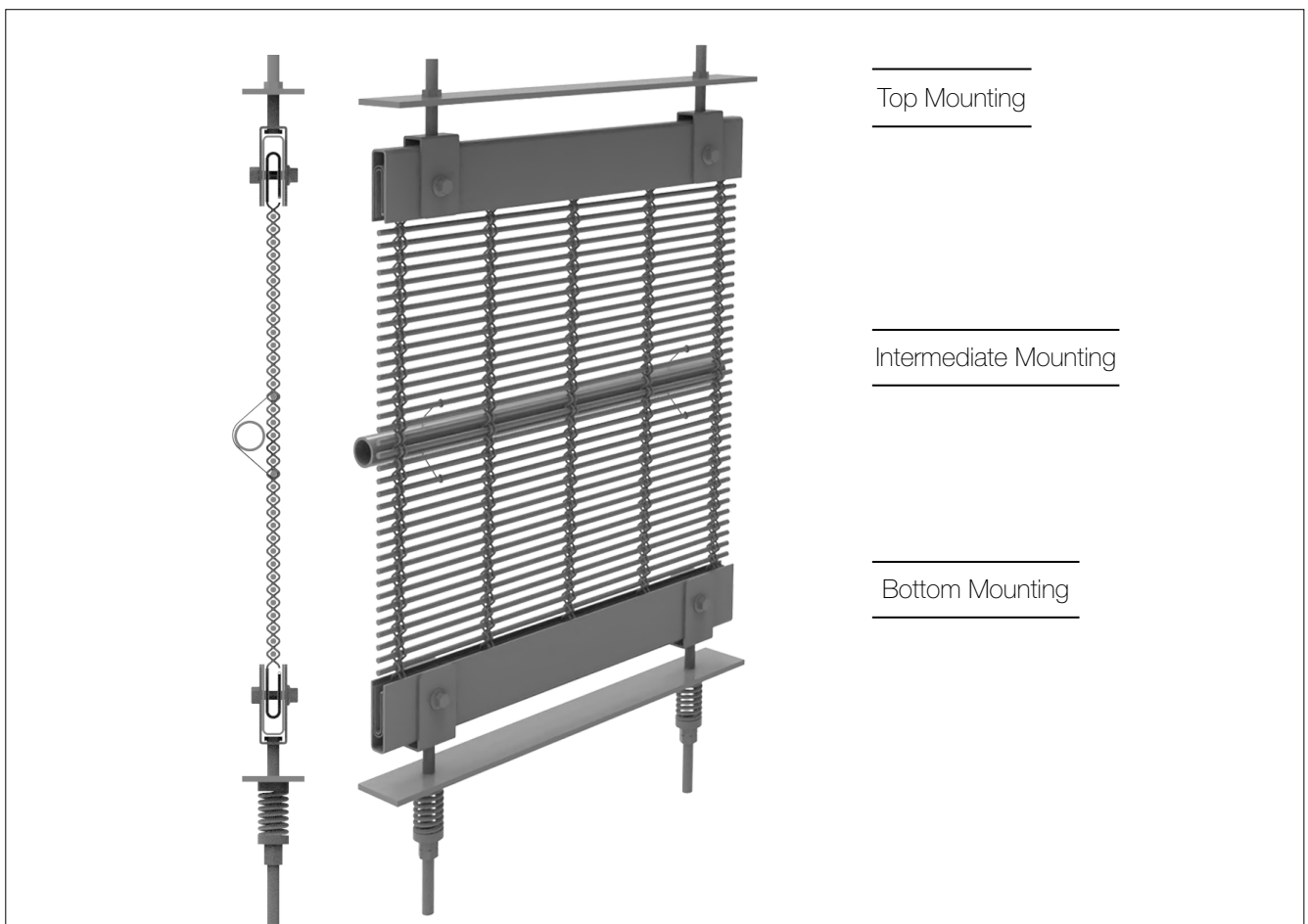
Woven-In-Bar (WIB) with Eyebolts

- 1 Incorporate round bars into the top, bottom and middle part of the metal fabric to replace woven weft wires.
- 2 Connect the top round bar with eyebolts and then tension and fix eyebolts to continuous substructure profile with nuts or with fastening brackets.
- 3 Warp wire connectors around intermediate round bars located behind the mesh fabric and hold the mesh fabric from the backside.
- 4 Insert the bottom round bar with eyebolts into the mesh fabric and connect eyebolts with tension springs. Fasten these springs onto the bottom brackets or a continuous substructure to tension the panels.



Flat Tension Profile with Clevis

- 1 Attach the clevis bolts to the top tension profile, leaving two clevis bolt openings available.
- 2 Secure the clevis bolts to the flat tension profile with self-locking nuts.
- 3 Place the mesh roll into the cradle and attach the lifting tools to the clevis bolt openings mentioned in step 1.
- 4 Use a crane to lift the mesh roll, the mesh roll will unroll within the cradle automatically. Attach a rope on both ends of the bottom and two helpers shall guide the mesh roll to avoid movement when unrolling.
- 5 Attach the top clevis bolts to the top substructure profile.
- 6 Repeat Step 1, Step 2 and Step 5 to attach the bottom clevis bolts.
- 7 Compress the pressure springs in the bottom substructure profile to pre-tension the mesh fabric.
- 8 Warp wire connectors around intermediate round bars located behind the mesh fabric and fasten the mesh fabric from the backside.



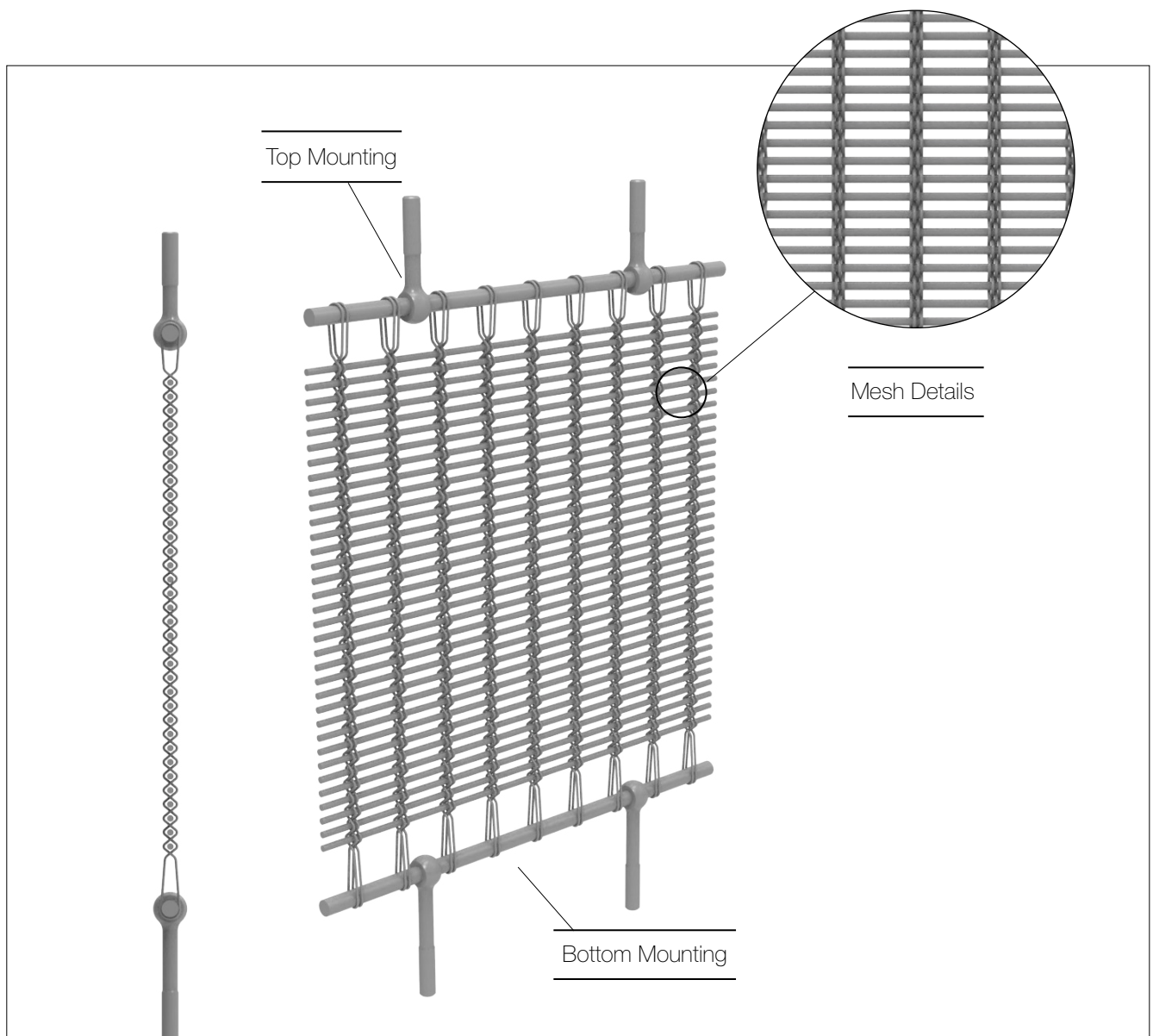
Partition

Architectural mesh partition installation varies as accessories change. Here we list detailed installation steps and accessories required to help you know better about our products.



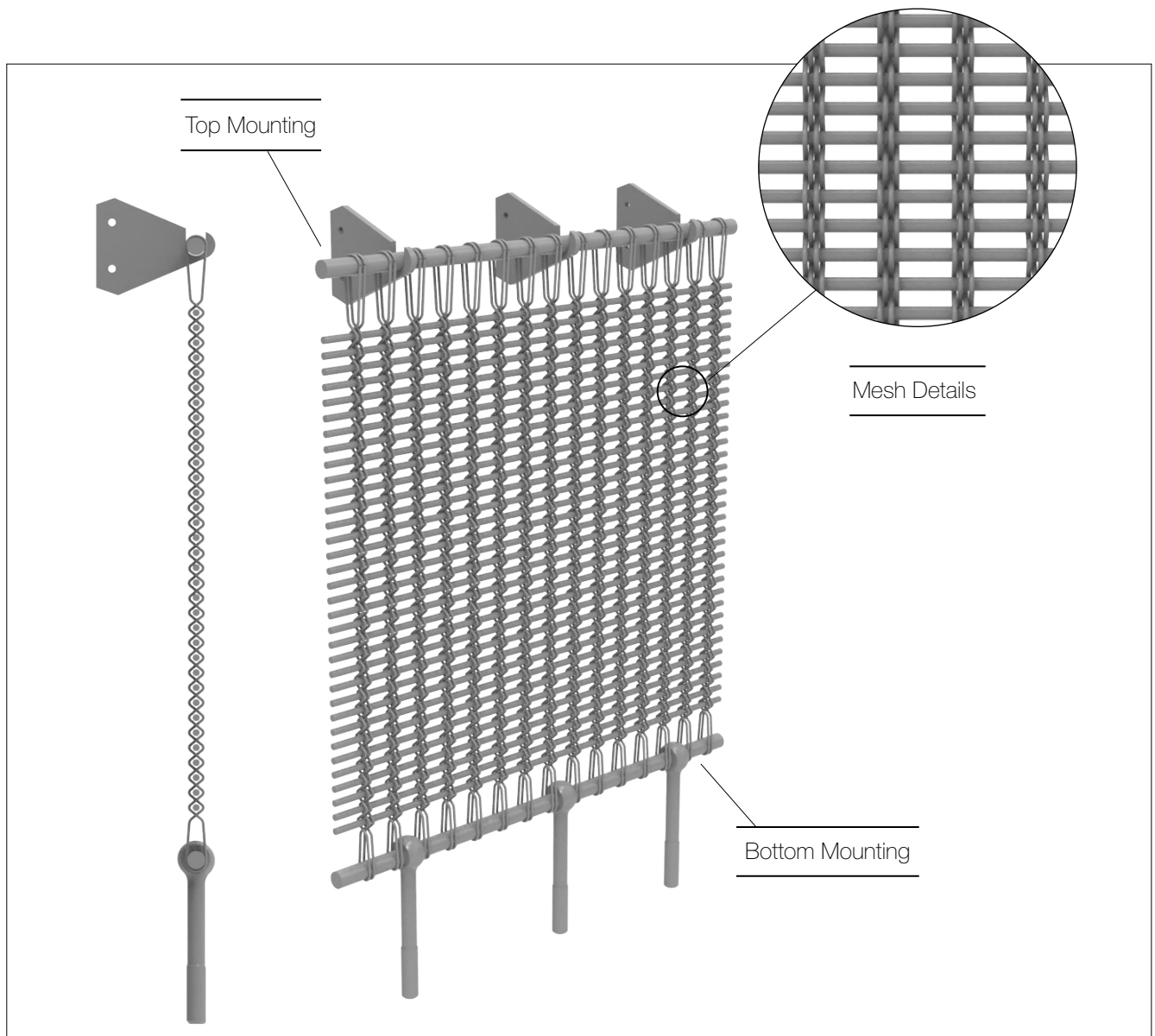
Extended Loops & Eyebolts

- 1 Make cables extend beyond the mesh fabric to form extend loops and secure these loops with loop clamps.
- 2 Make the round tensioning bar pass through the loops and through eyebolts at the top and bottom respectively, and secure the bar to a bracket or fixture with threaded lock nuts.
- 3 Make sure the spacing between loops are equal and tension forces are well distributed.



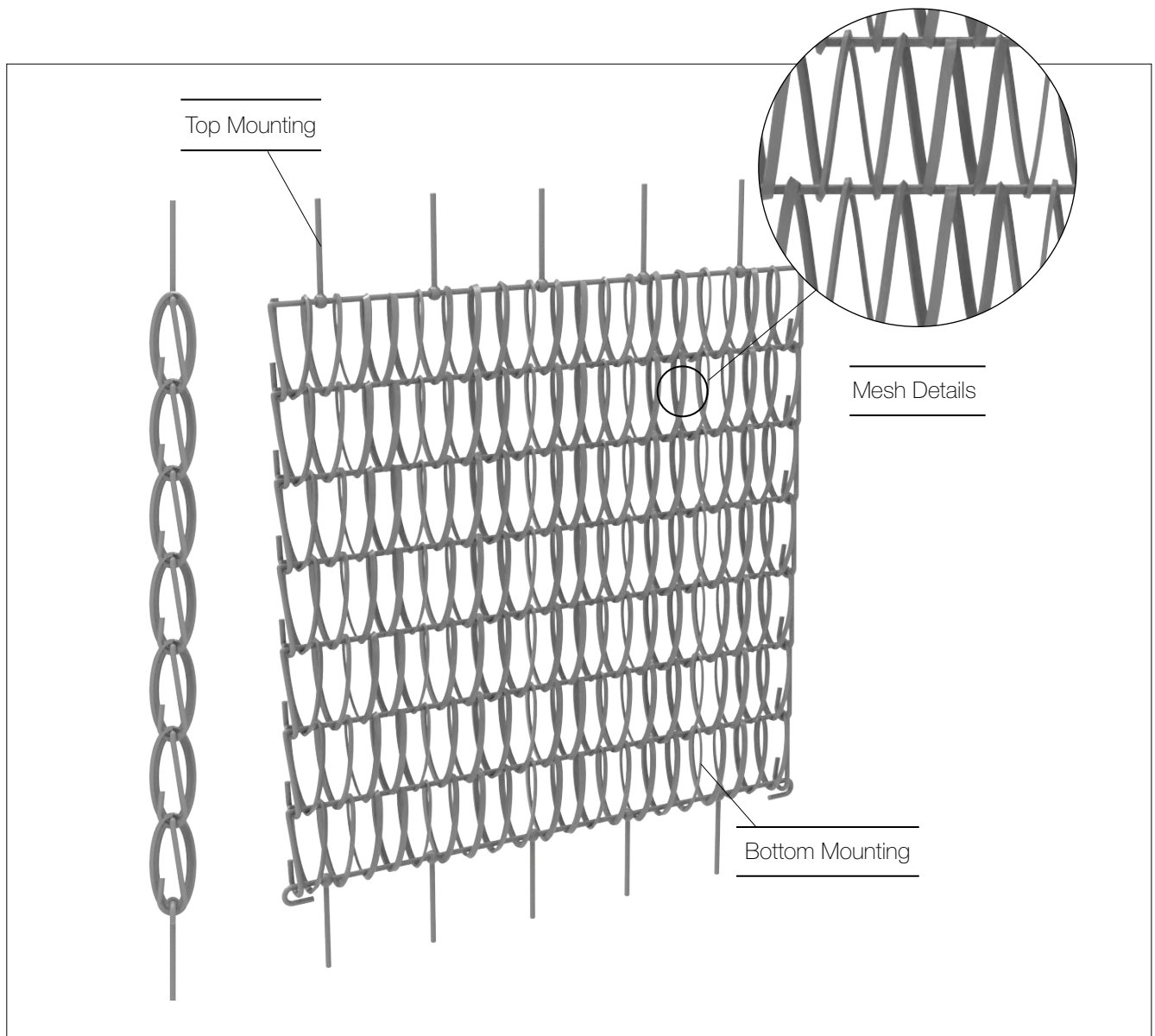
Extended Loops & Hooks at Top

- 1 Make cables extend beyond the mesh fabric to form extend loops and secure these loops with loop clamps.
- 2 Make the round tensioning bar pass through the loops and cradle the bar into triangular fastening brackets at the top.
- 3 Make the round tensioning bar pass through the loops and eyebolts and secure eyebolts to a bracket or fixture with threaded locking nuts at the bottom.
- 4 Make sure the spacing between loops are equal and tension forces are well distributed.



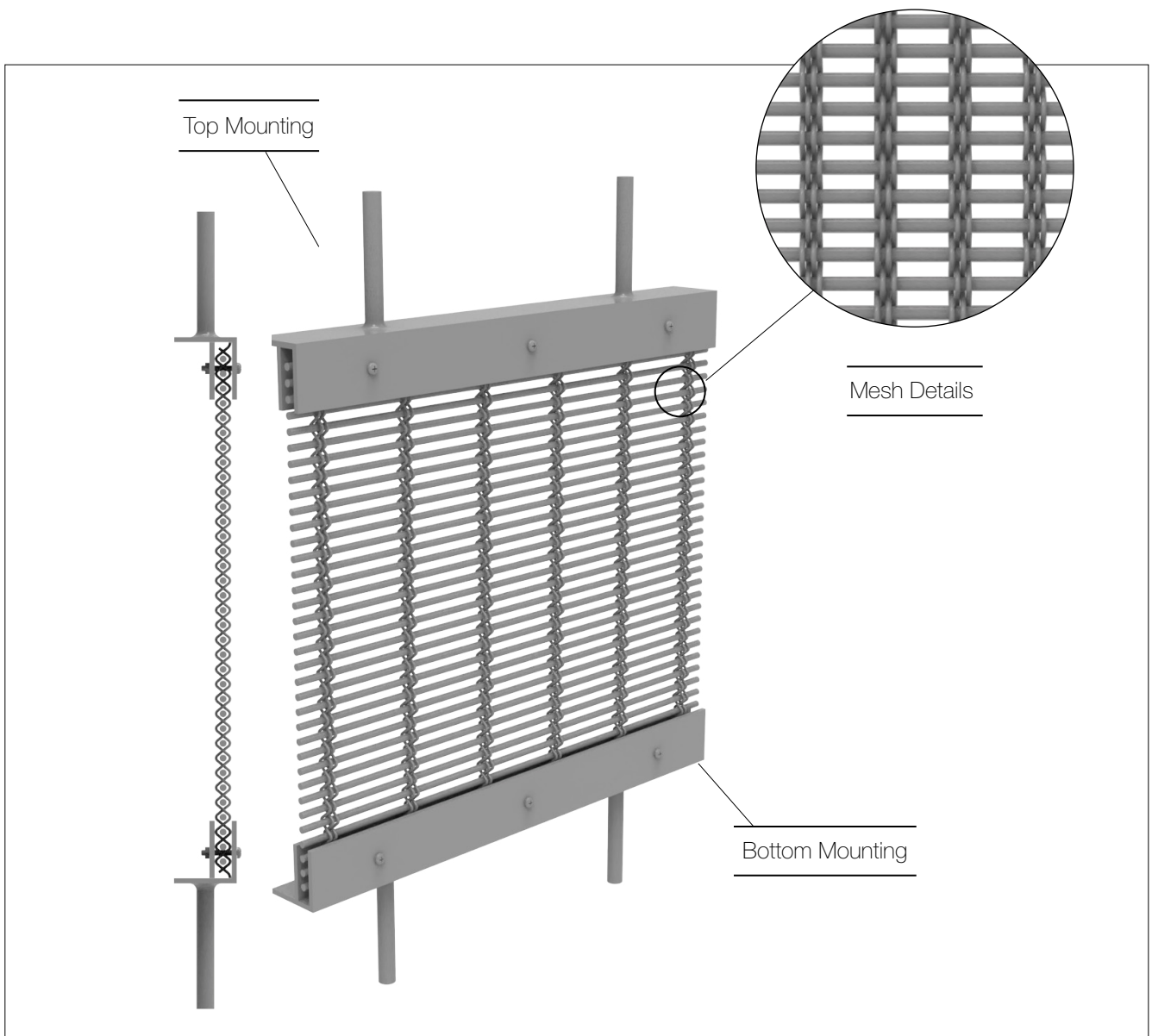
Eyebolts

- 1 Attach eyebolts to the cross rod of the mesh fabric.
- 2 Tension the mesh fabric to a structural steel flange with turnbuckles or nuts.



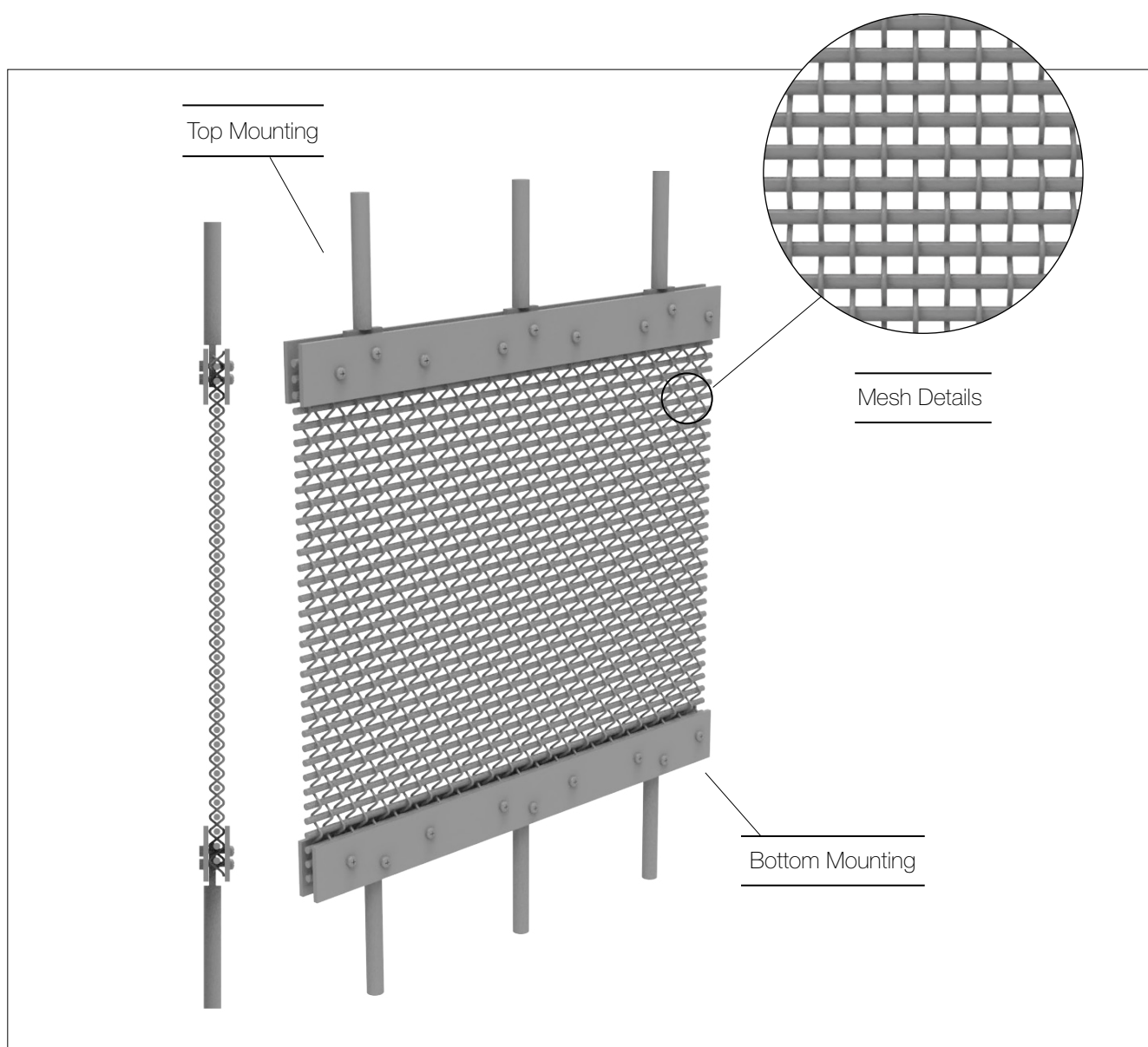
Flat & Angle with Threaded Rod

- 1 Clamp the mesh fabric with flat and angle bars with a threaded rod.
- 2 Weld threaded rods to the angle bar for tensioning by turnbuckles or nuts.



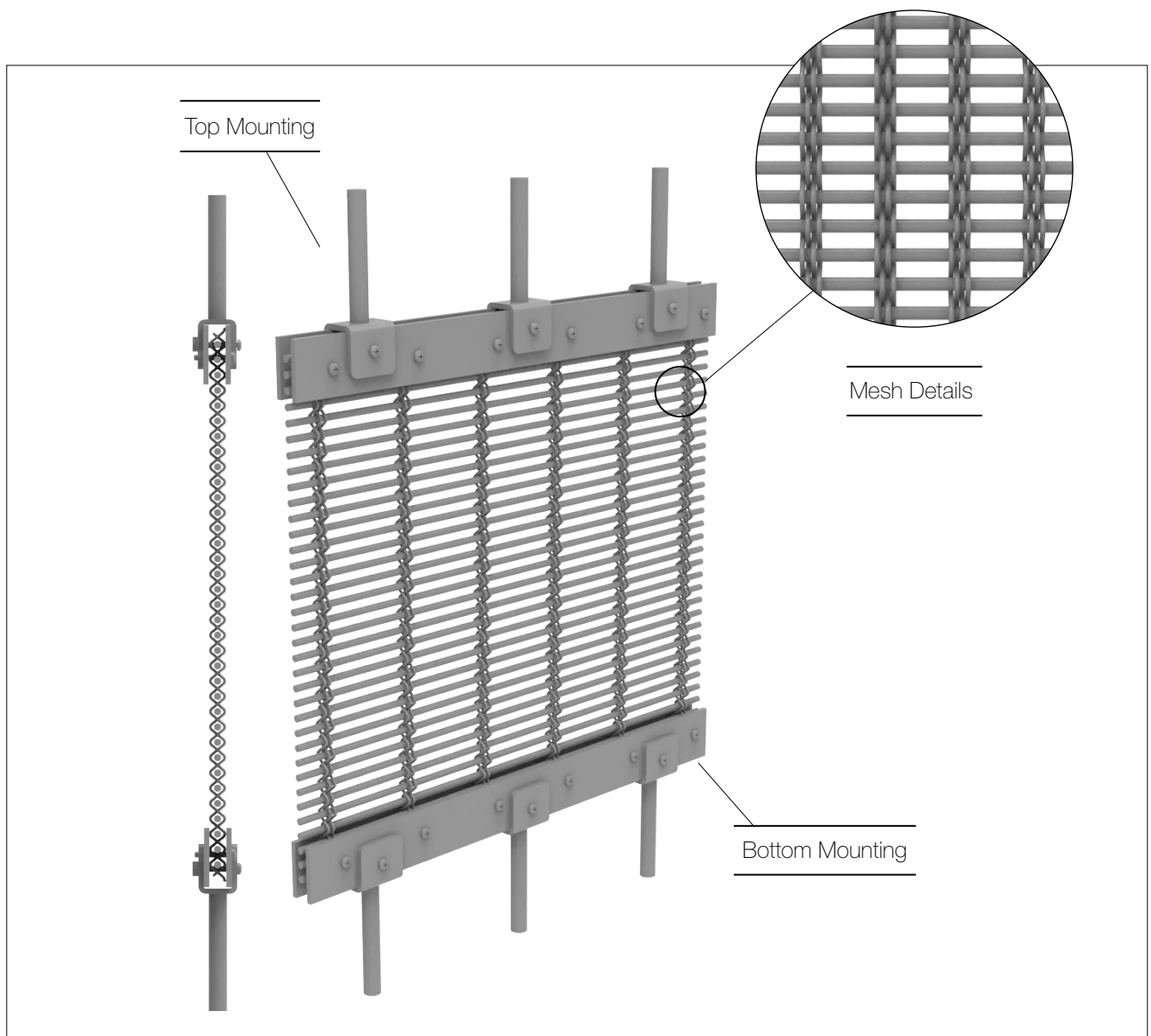
Flats with Flat Eye

- 1 Clamp both ends of the mesh fabric with flat bars.
- 2 Bolt flat eyes in between the flat bars for tensioning by turnbuckles or nuts.



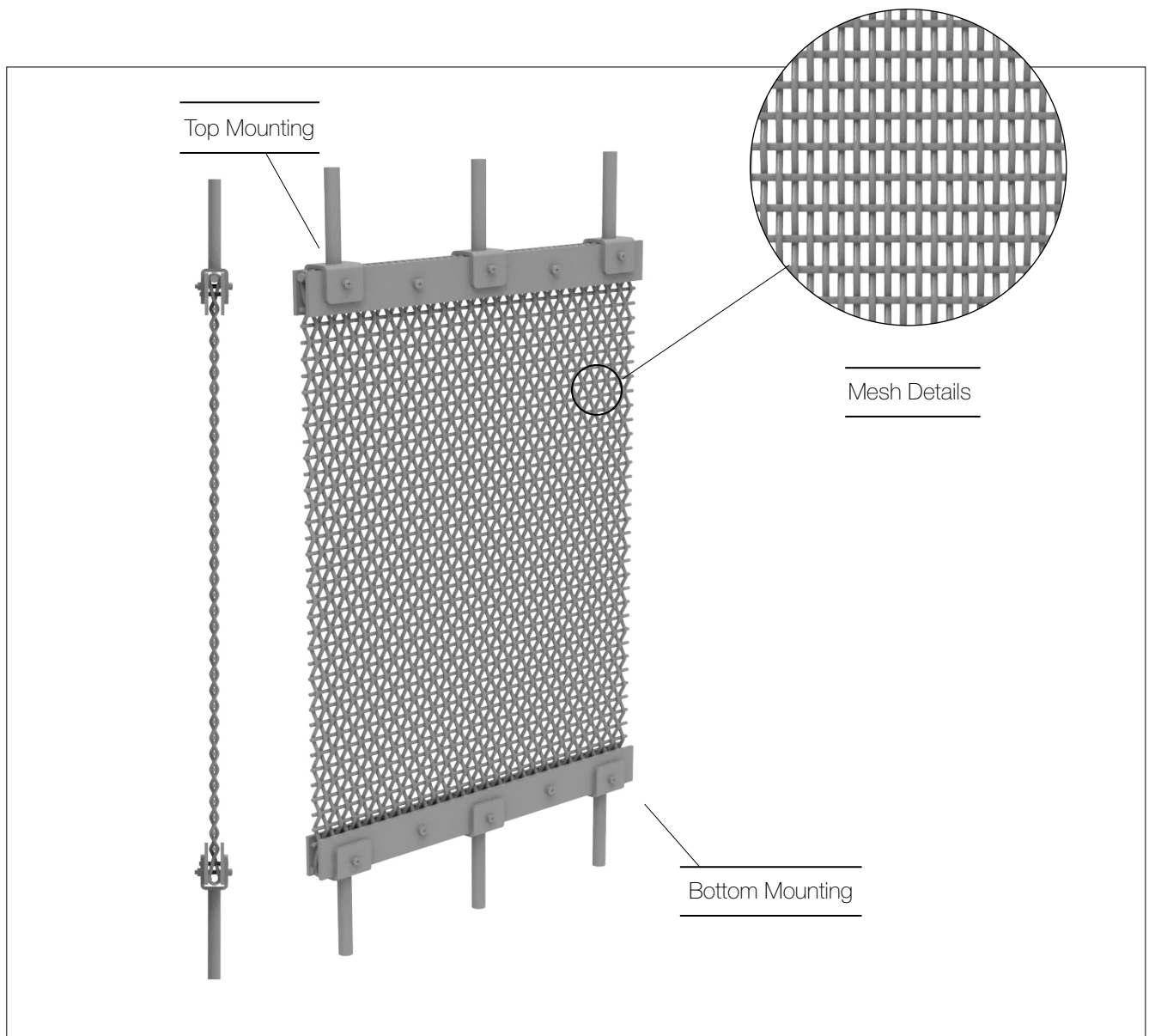
Flats with Clevis

- 1 Clamp both ends of the mesh fabric with flat bars.
- 2 Attach clevises with threaded rods to the flat bars for tensioning by turnbuckles or nuts.



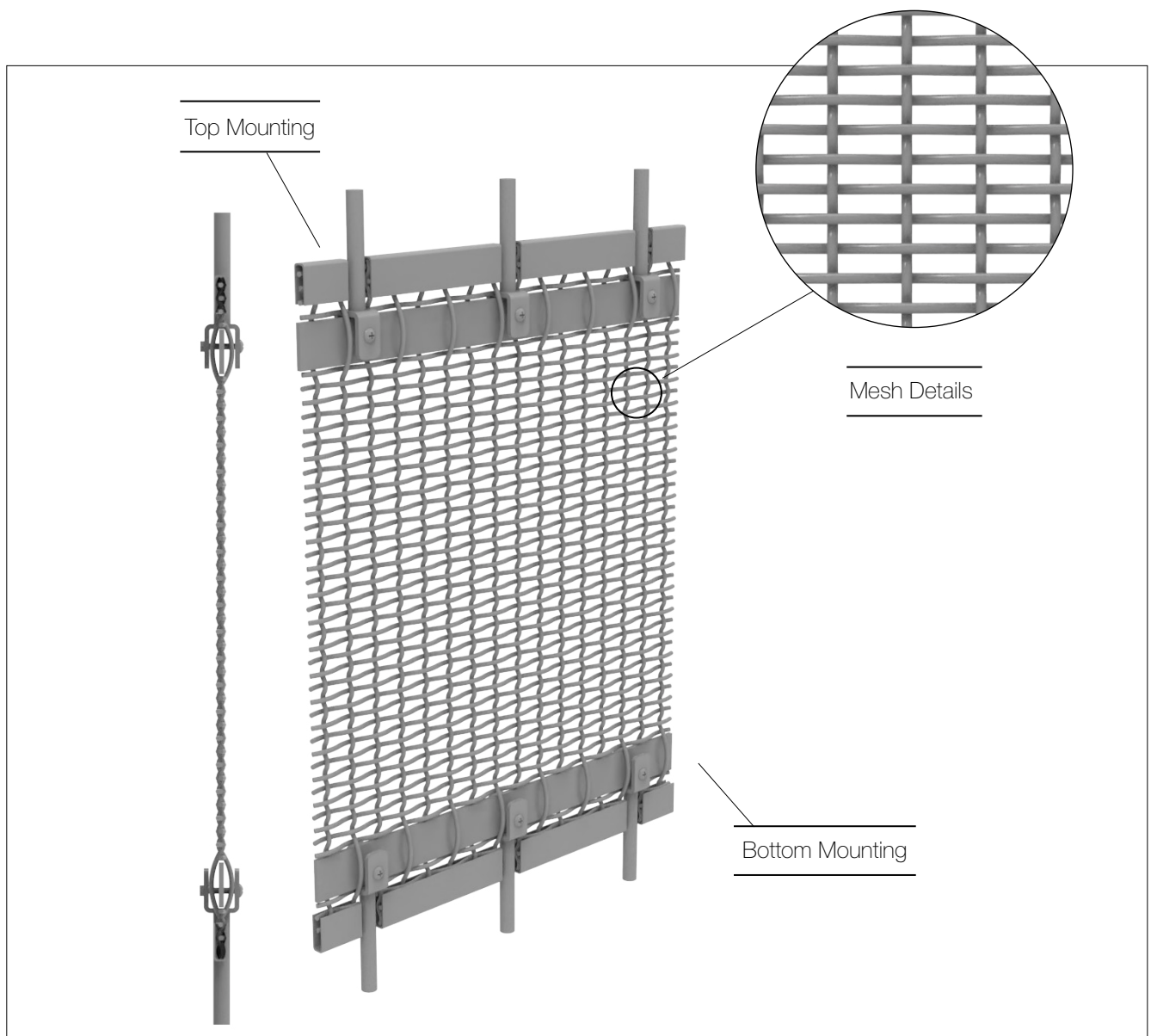
Flats, Clevis & Binding Rod

- 1 Fold the mesh fabric over a binding rod.
- 2 Clamp both ends of the mesh fabric with flat bars.
- 3 Attach clevises with a threaded rod to the flat bars for tensioning by turnbuckles or nuts.



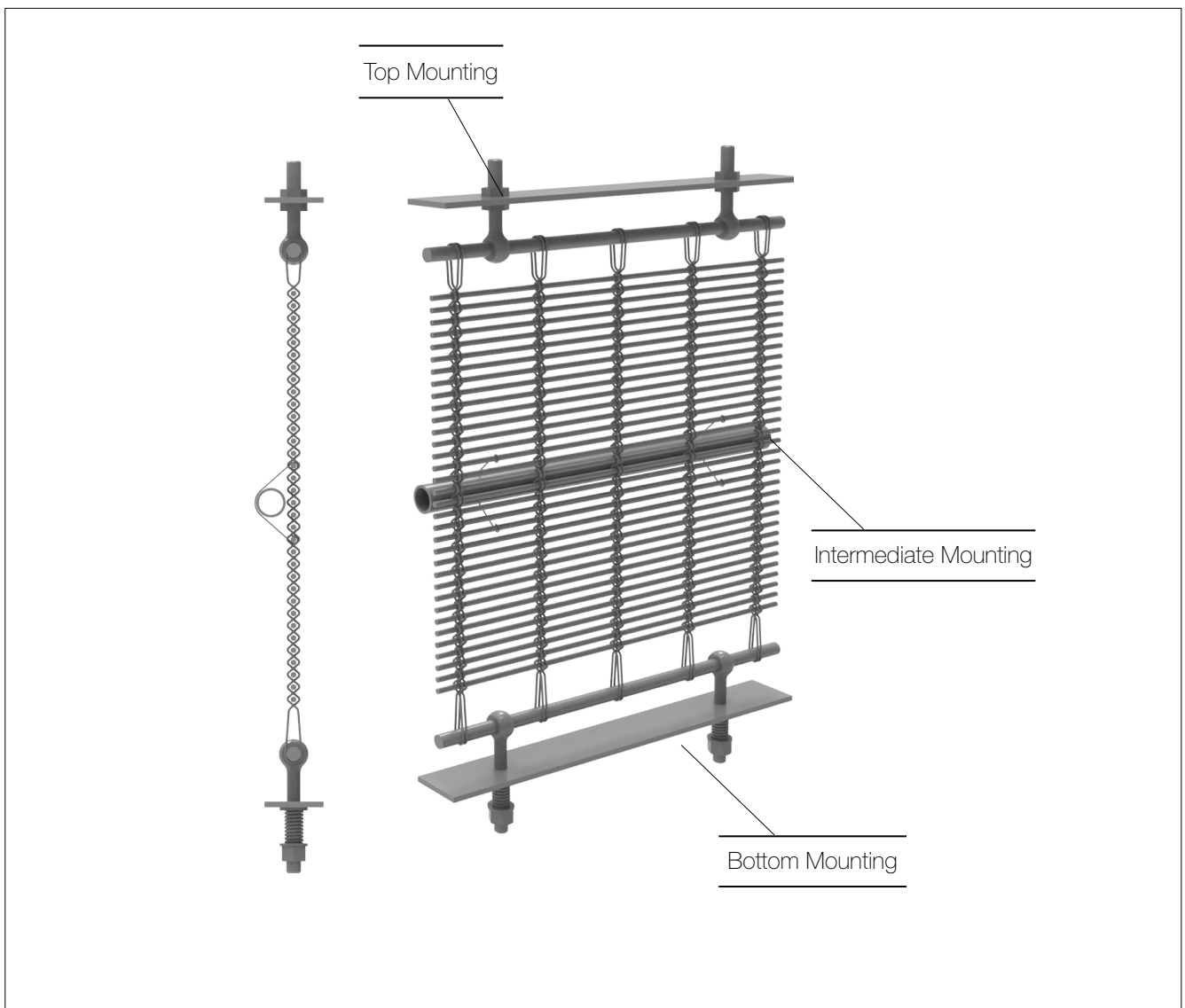
Reinforced Internal Flat Bar

- 1 The woven in flat bar serves as a connecting member to attach the mesh fabric to the top and bottom brackets.
- 2 Attach clevises with a threaded rod to the flat bars for tensioning by lock nuts.



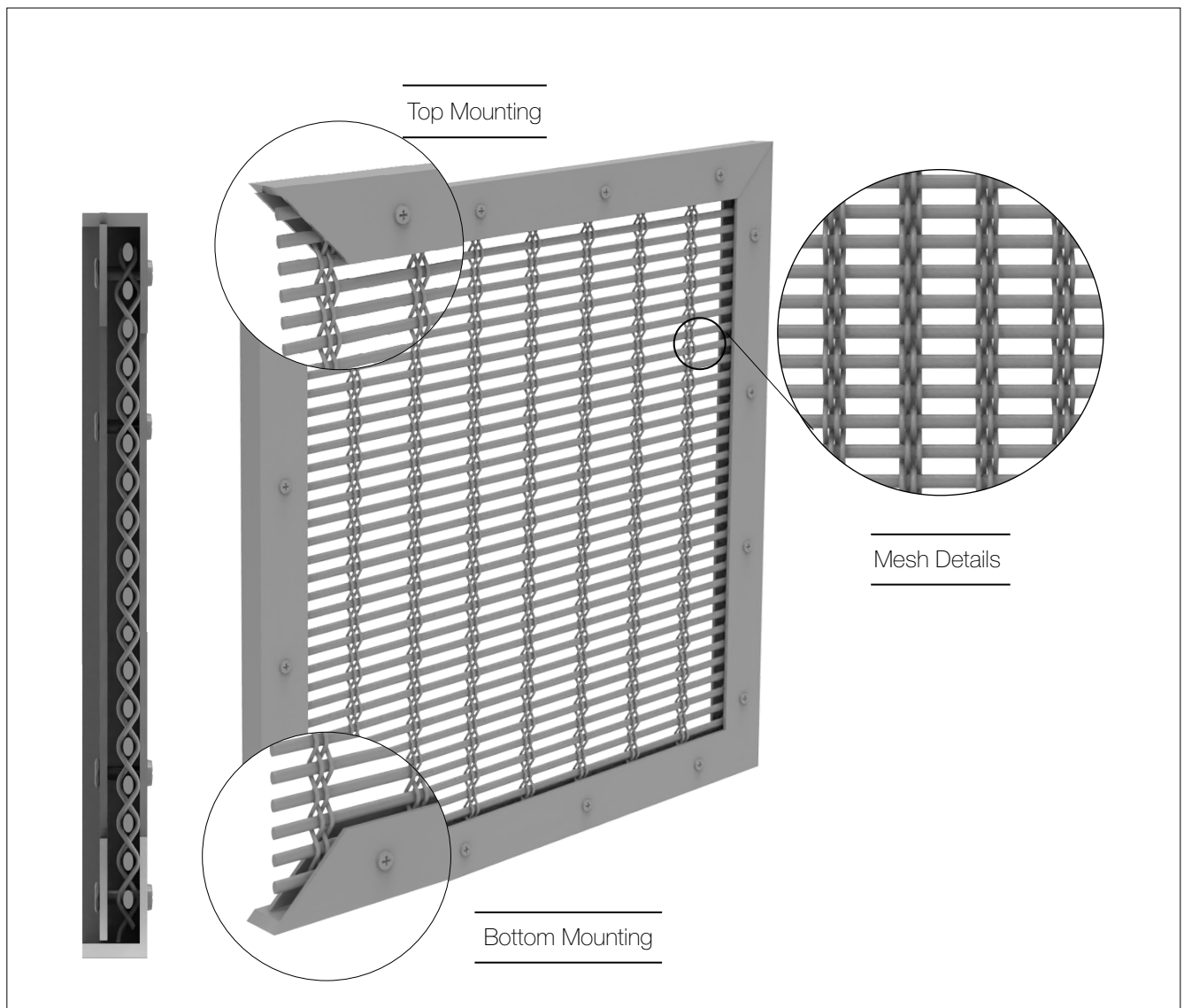
Woven-In-Bar (WIB) with Eyebolts

- 1 Incorporate round bars into the top and bottom of the metal fabric to replace woven weft wires.
- 2 Attach eyebolts to round bars and secure eyebolts to brackets at the top and bottom for tensioning by turnbuckles or nuts.



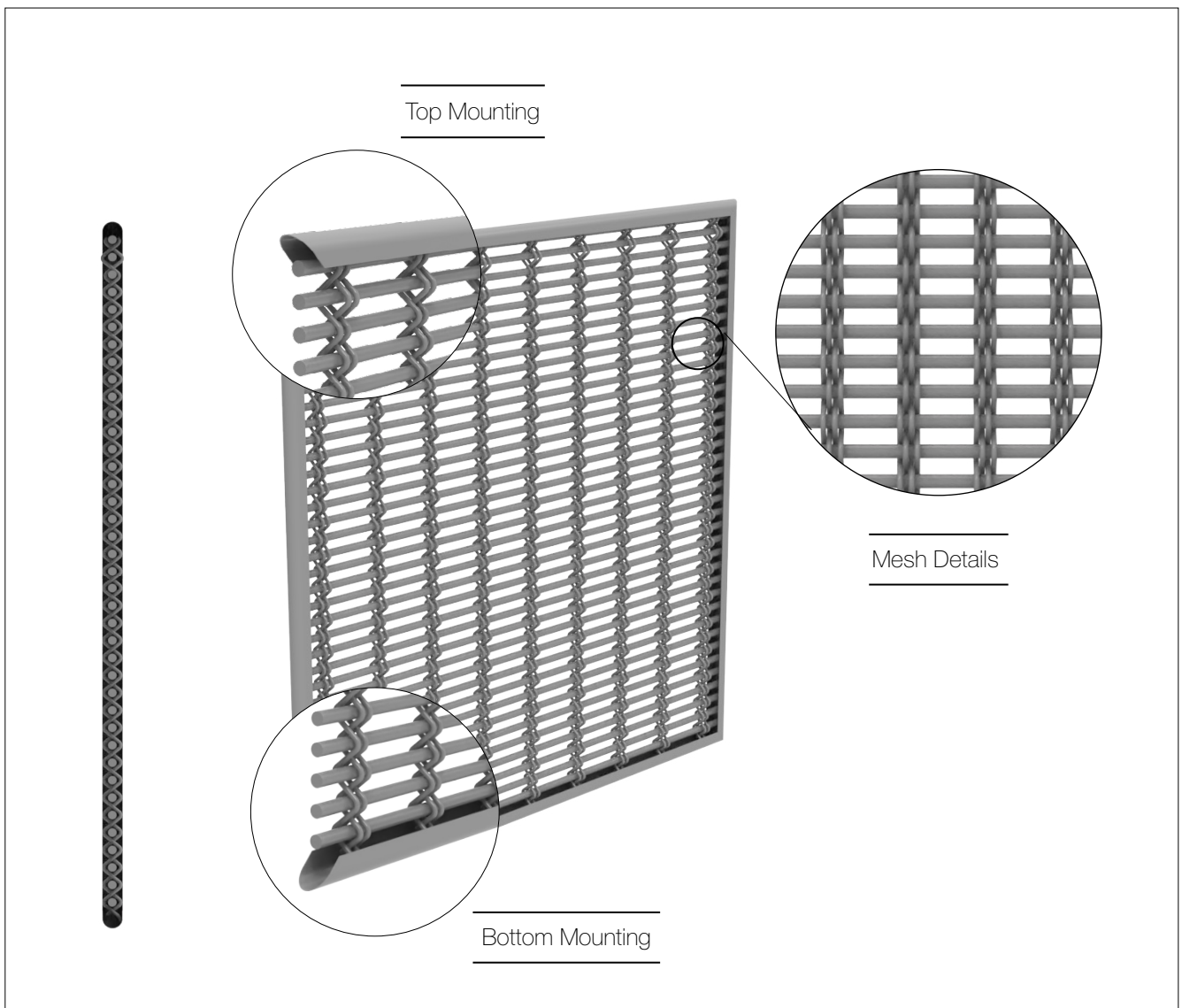
Angle Steel & Frame

- 1 Clamp tight and bolt the mesh fabric into a frame made of flat and angled bars.
- 2 Mesh fabric is not tensioned to assure flatness.



U-Binding Frame

- 1 Use a frame with U- channels to envelope the mesh fabric.
- 2 Weld and secure the mesh fabric in place.



Safety & Security

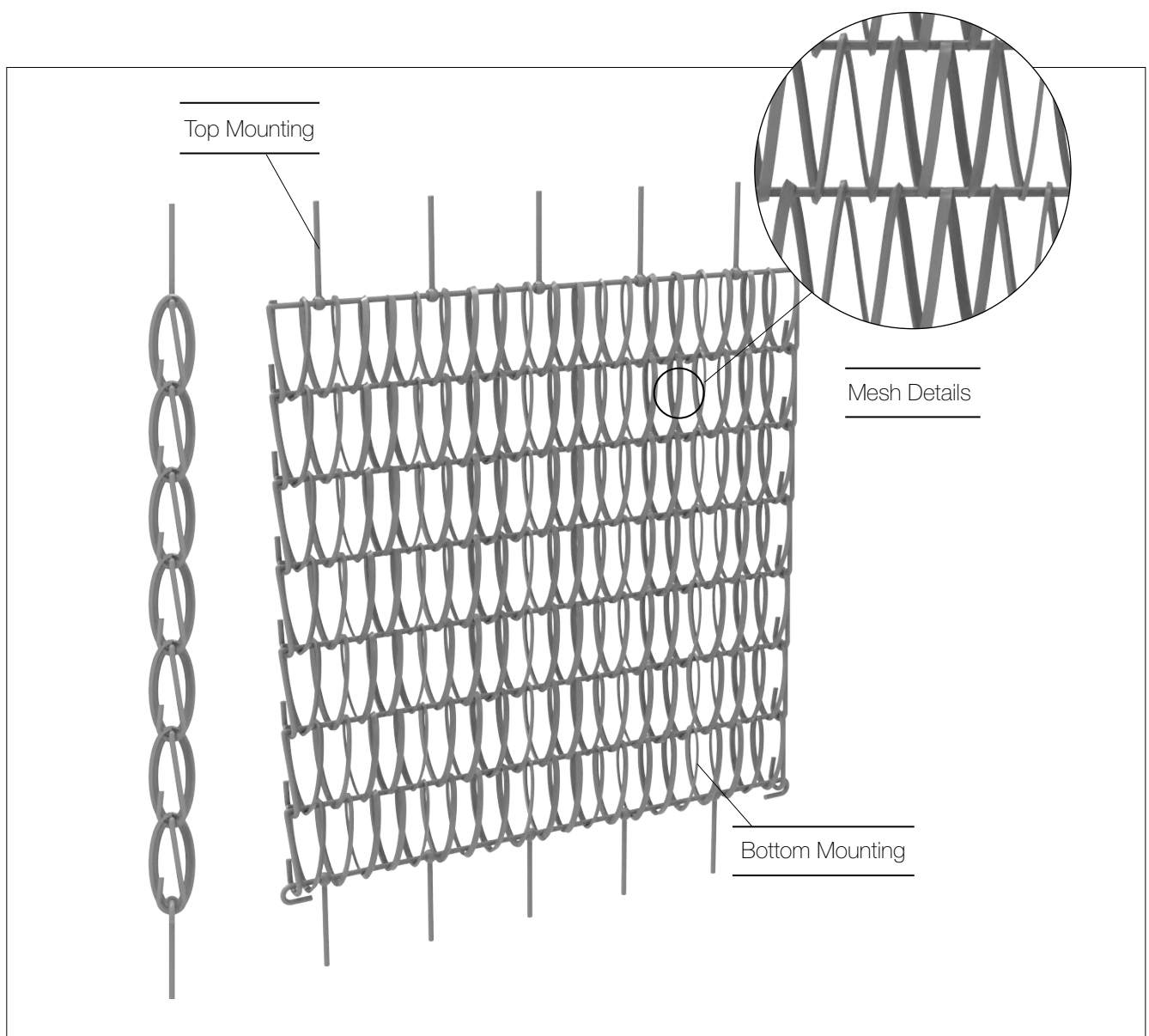
Architectural mesh (decorative mesh) features semi-transparency, aesthetic appearance and durability and offers great security protection in balustrade and safety barrier applications.

Here we list 6 methods of architectural mesh balustrade installation for your reference to help you choose the best installation method perfect for your project.



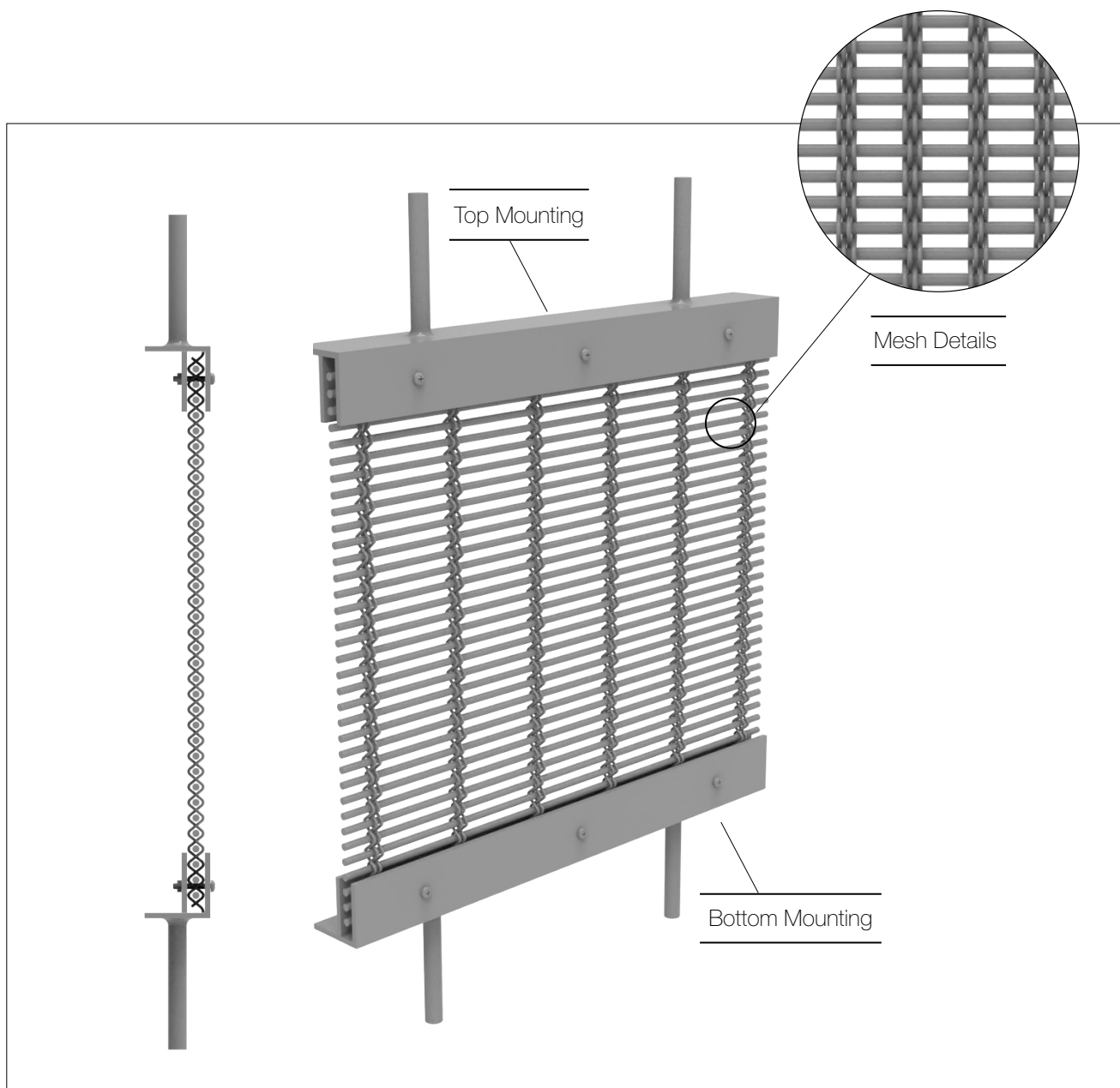
Eyebolts

- 1 Attach eyebolts to the cross rod of the mesh fabric.
- 2 Tension the mesh fabric to a structural steel flange with turnbuckles or nuts.



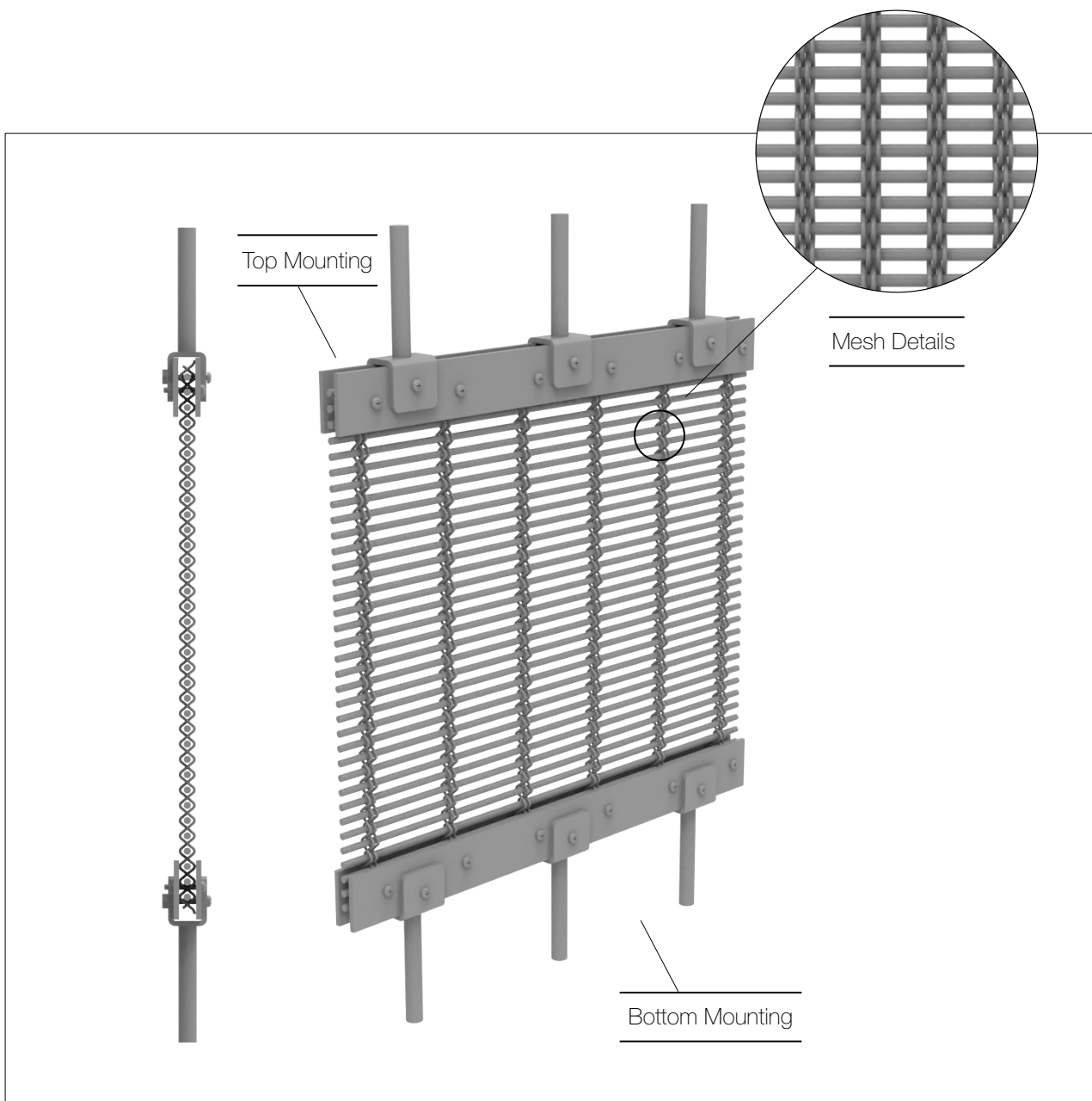
Flat & Angle with Threaded Rod

- 1 Clamp the mesh fabric with flat and angle bars with a threaded rod.
- 2 Weld threaded rods to the angle bar for tensioning by turnbuckles or nuts.



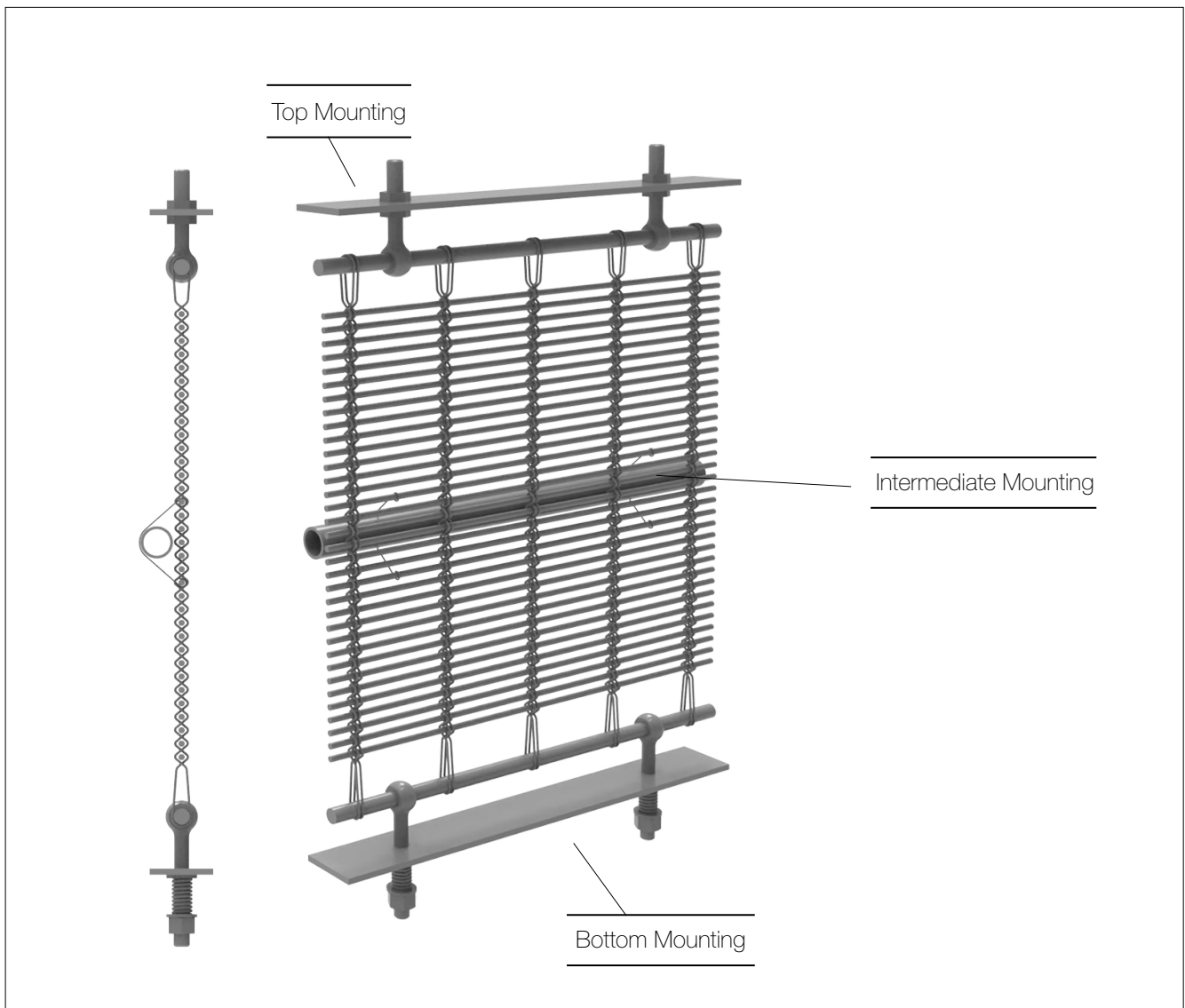
Flats with Clevis

- 1 Clamp both ends of the mesh fabric with flat bars.
- 2 Attach clevises with threaded rods to the flat bars for tensioning by turnbuckles or nuts.



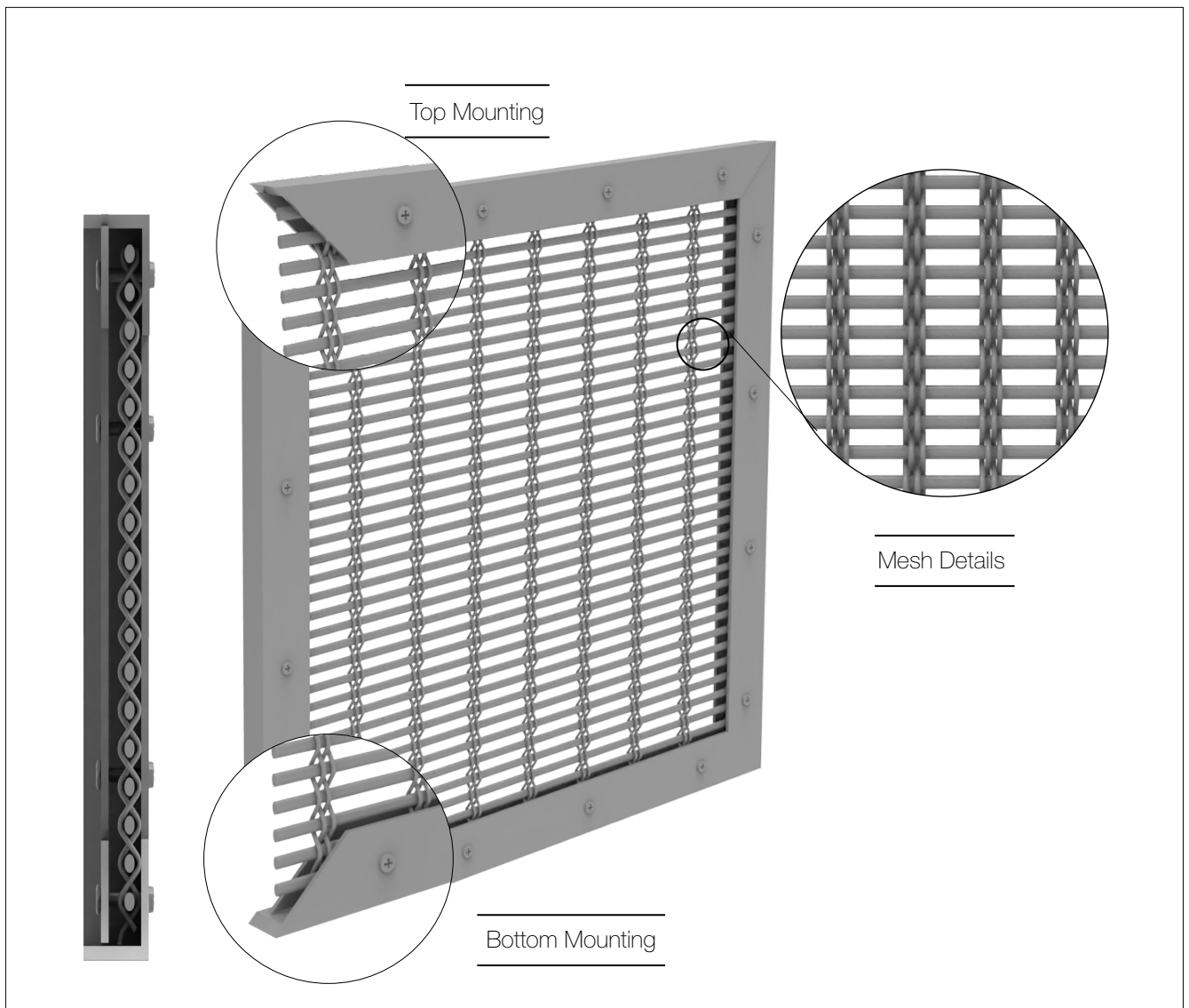
Woven-In-Bar (WIB) with Eyebolts

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- 2 Attach eyebolts to round bars and secure eyebolts to brackets at the top and bottom for tensioning by turnbuckles or nuts.



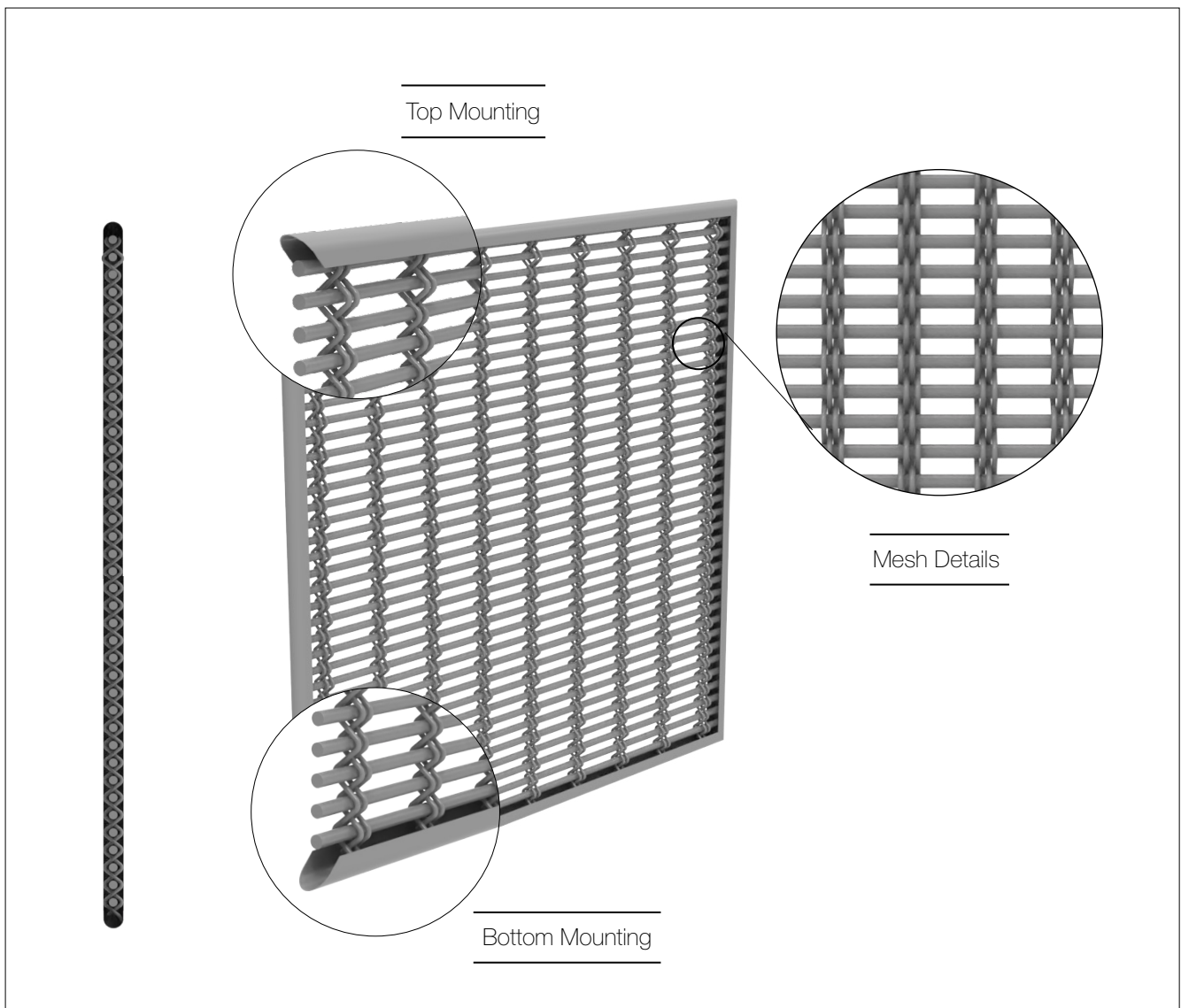
Angle Steel & Frame

- 1 Clamp tight and bolt the mesh fabric into a frame made of flat and angled bars.
- 2 Mesh fabric is not tensioned to assure flatness.



U-Binding Frame

- 1 Use a frame with U- channels to envelope the mesh fabric.
- 2 Weld and secure the mesh fabric in place.





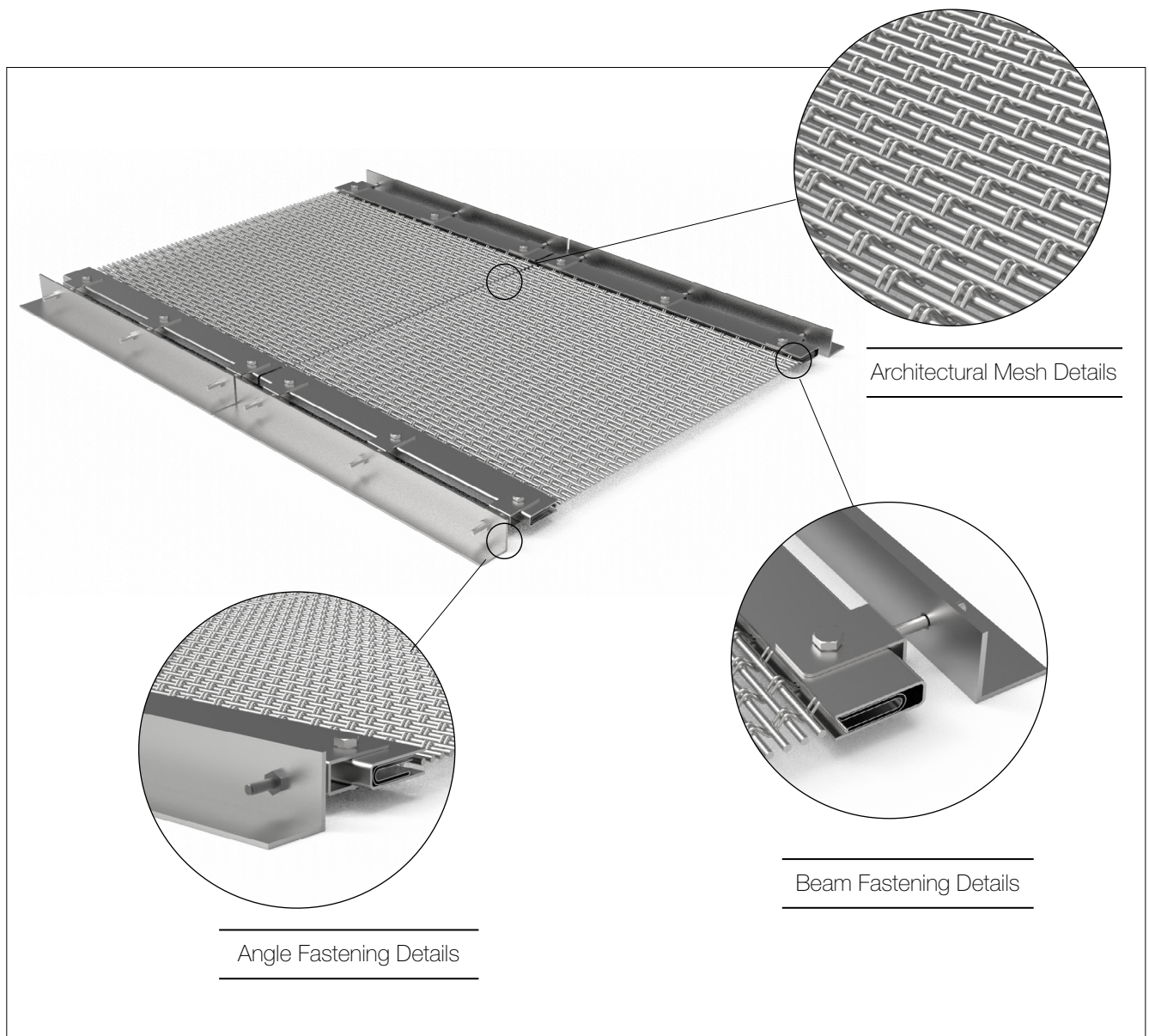
Ceiling

Architectural mesh (decorative mesh) features strong structure and aesthetic appearance which is widely used in ceiling designs.

We supply three architectural mesh ceiling installation for different places and decoration style.

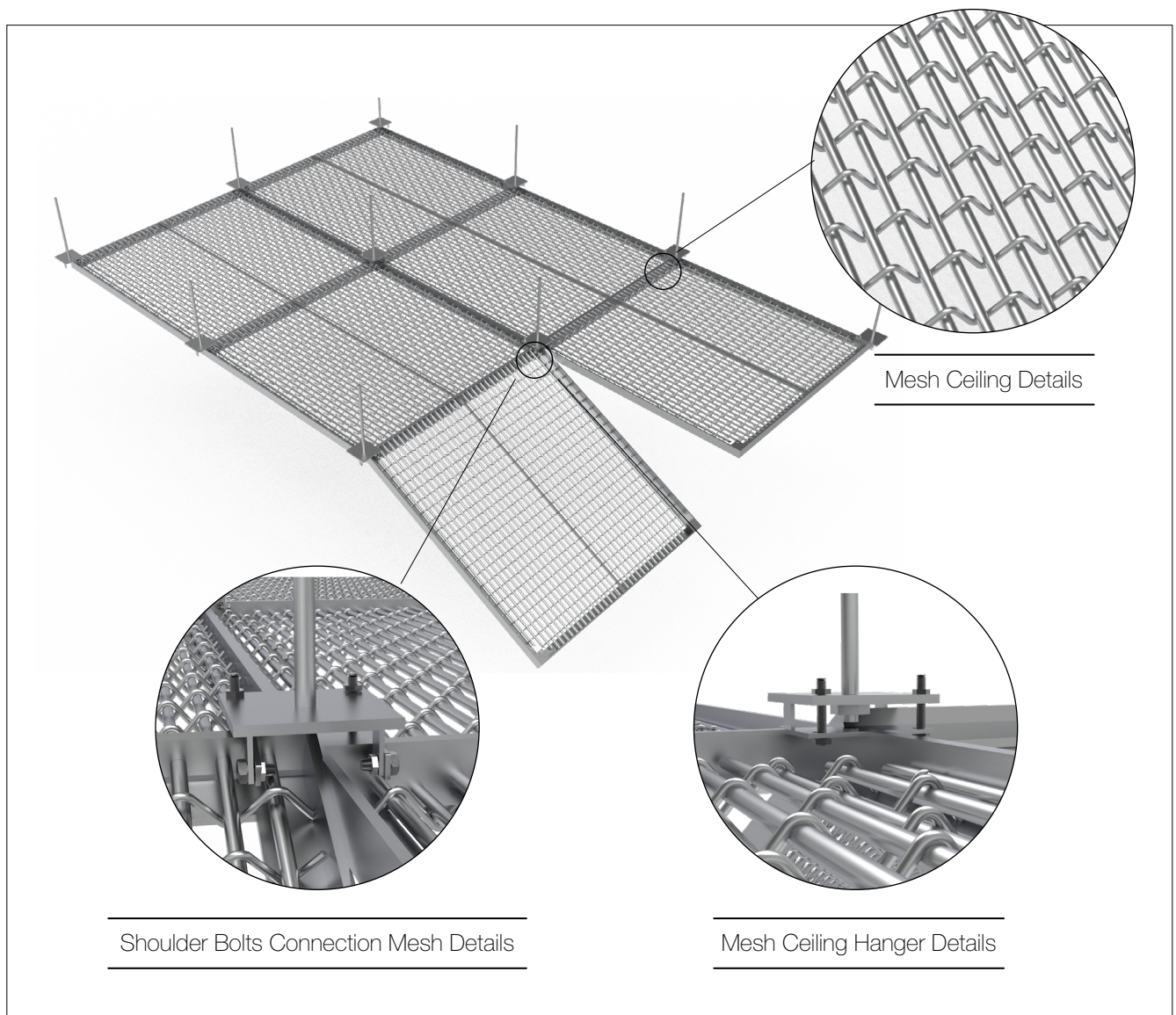
Fixed System

- 1 Use the tension clamp to clamp both end of the architectural mesh.
- 2 Install the clevis bolts onto tension clamp and fasten them to the tension profile.
- 3 Adjust the clevis bolts for precise tension of each horizontal elements.
- 4 Adjust or minimize the sagging of each mesh element through setting the required tension.



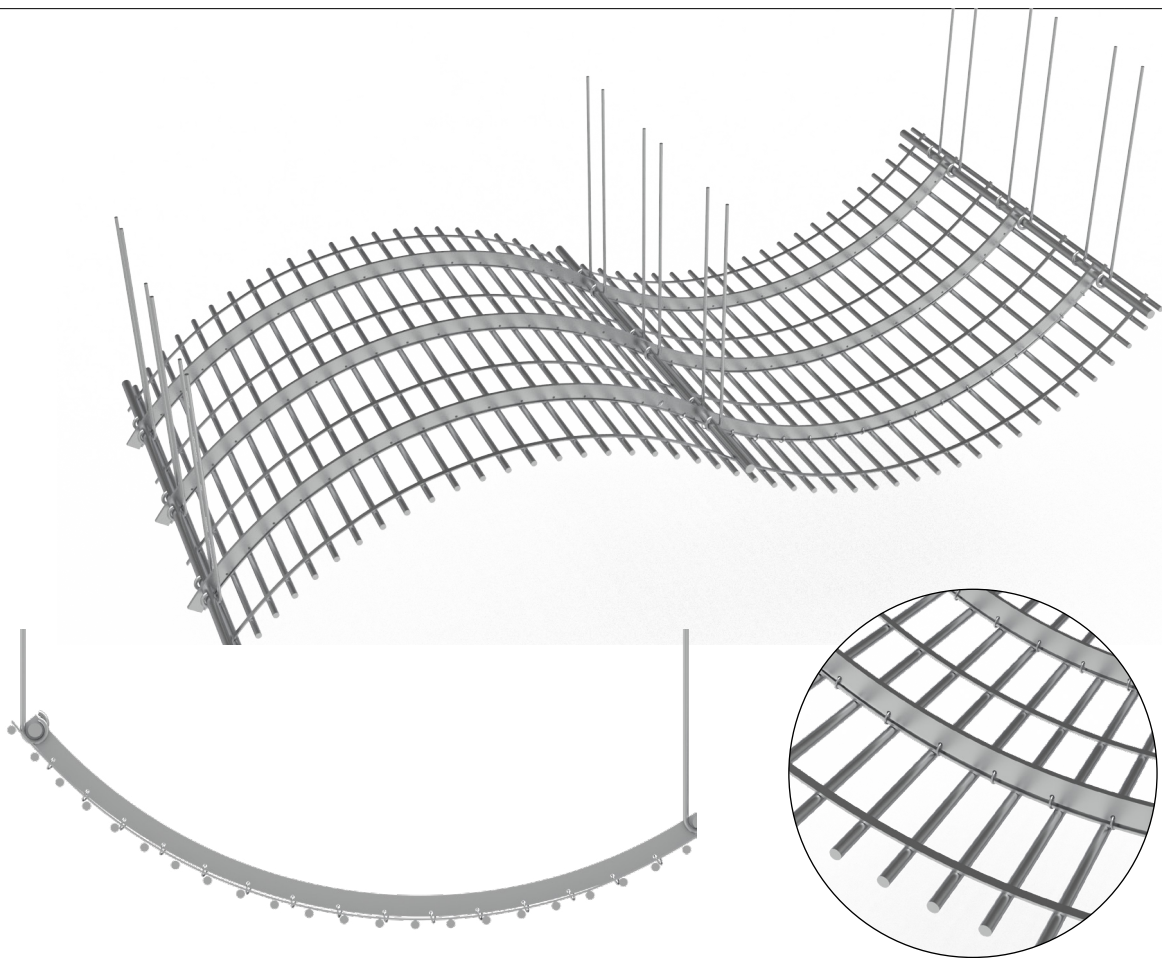
Removable System – Without Sagging

- 1 Tie the architectural mesh onto frames. To avoid sagging, the architectural mesh should be tied onto the frame under pretension condition.
- 2 Fix one side of the frames onto the suspension with hinge.
- 3 Use the hexagon key to access through the mesh and fix the other end of frame onto suspension bracket with shoulder bolt.
- 4 When needed, remove the shoulder bolt, and panel hinged open for access (repairing, maintaining or installation).



Ceiling Suspension System

1. Frame structures will be laser cut into flat fins or any designed suitable shapes at the factory.
2. Install the laser cut frame structures onto the round bars.
3. Tie the architectural mesh onto structure frames with stainless steel tying wires.
4. Fasten the round bars onto hangers from the roof trusses.



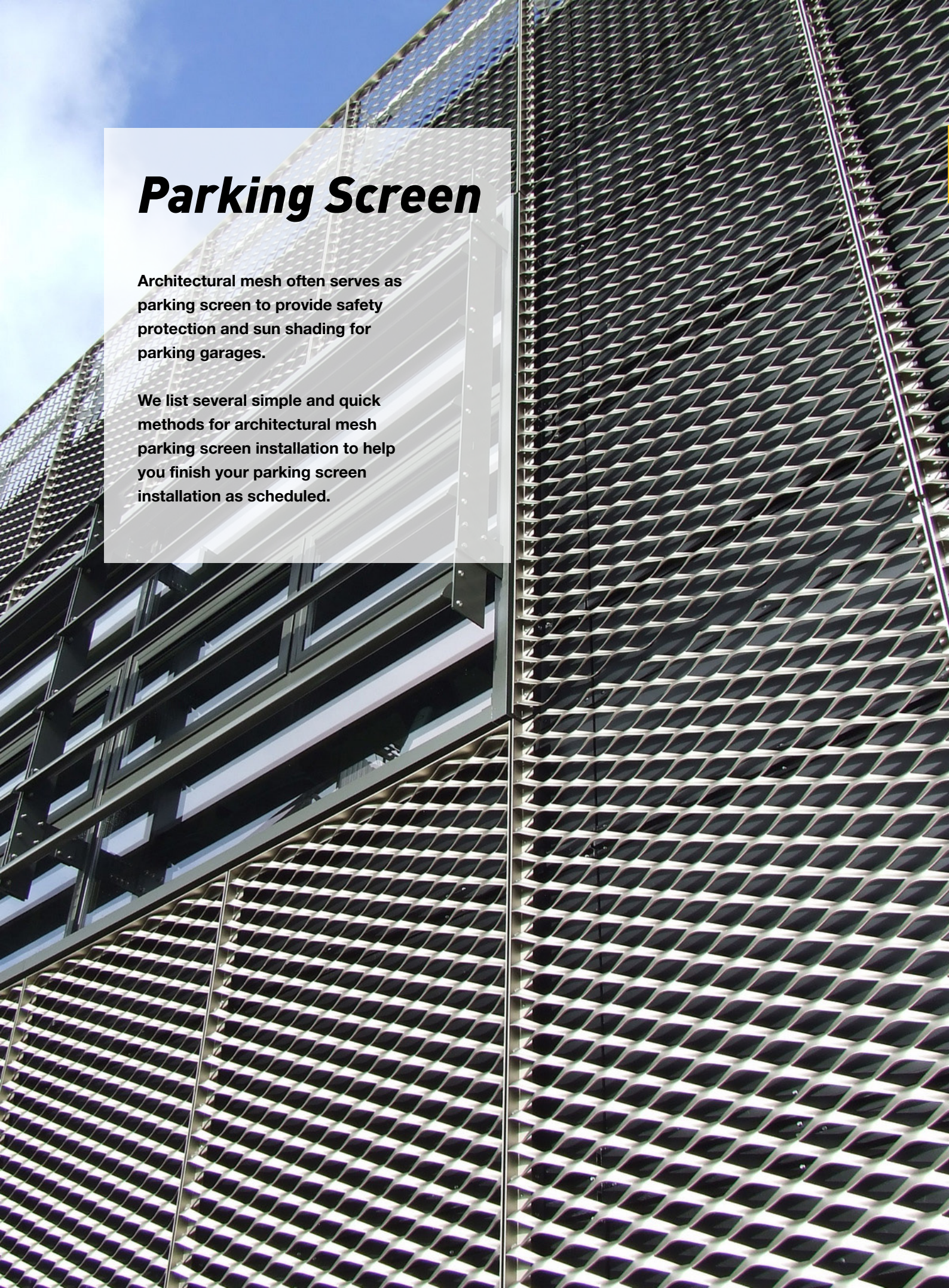
Tie wires Tying The Architectural Mesh Details

Top View Of Tie Wires Tying The Architectural Mesh Details

Parking Screen

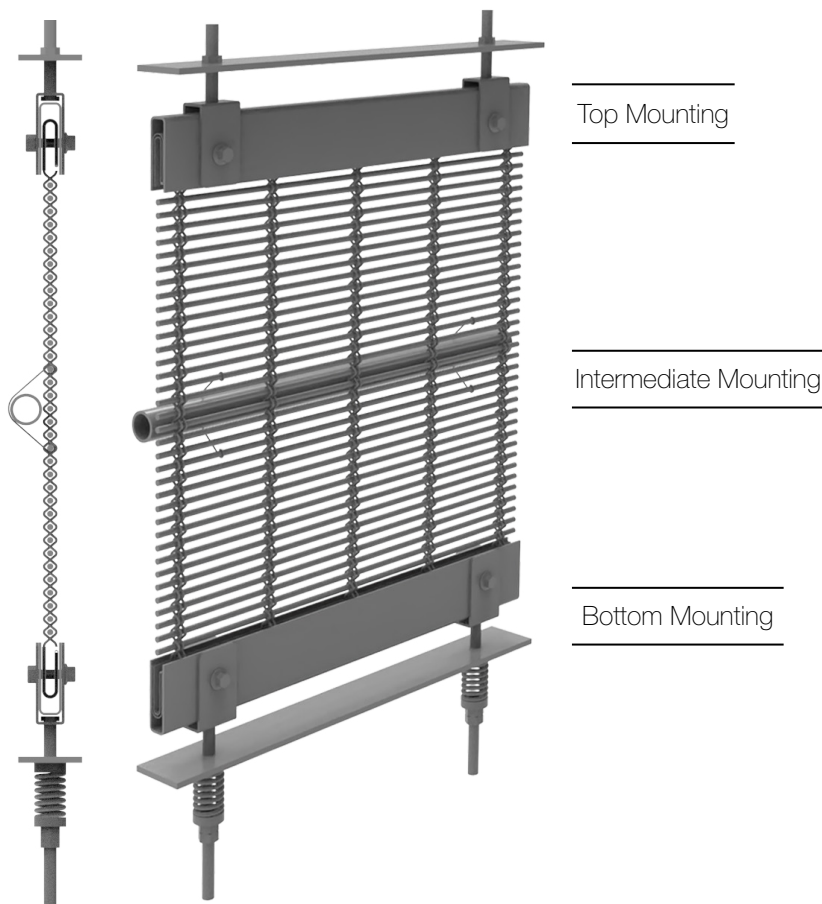
Architectural mesh often serves as parking screen to provide safety protection and sun shading for parking garages.

We list several simple and quick methods for architectural mesh parking screen installation to help you finish your parking screen installation as scheduled.



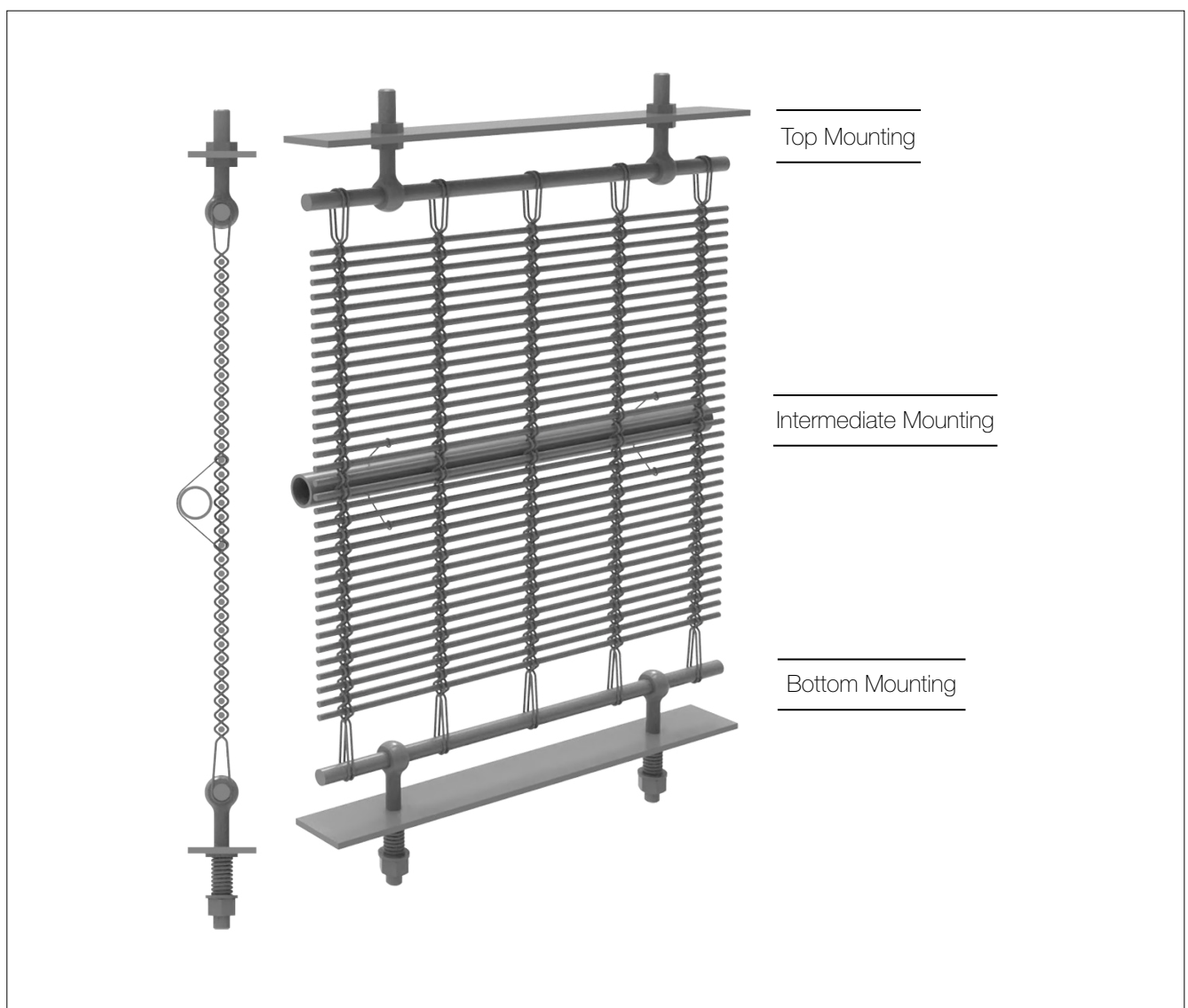
Flat Tension Profile with Clevis

- 1 Attach the clevis bolts to the top tension profile, leaving two clevis bolt openings available.
- 2 Secure the clevis bolts to the flat tension profile with self-locking nuts.
- 3 Place the mesh roll into the cradle and attach the lifting tools to the clevis bolt openings mentioned in step 1.
- 4 Use a crane to lift the mesh roll, the mesh roll will unroll within the cradle automatically. Attach a rope on both ends of the bottom and two helpers shall guide the mesh roll to avoid movement when unrolling.
- 5 Attach the top clevis bolts to the top substructure profile.
- 6 Repeat Step 1, Step 2 and Step 5 to attach the bottom clevis bolts.
- 7 Compress the pressure springs in the bottom substructure profile to pre-tension the mesh fabric.
- 8 Warp wire connectors around intermediate round bars located behind the mesh fabric and fasten the mesh fabric from the backside.



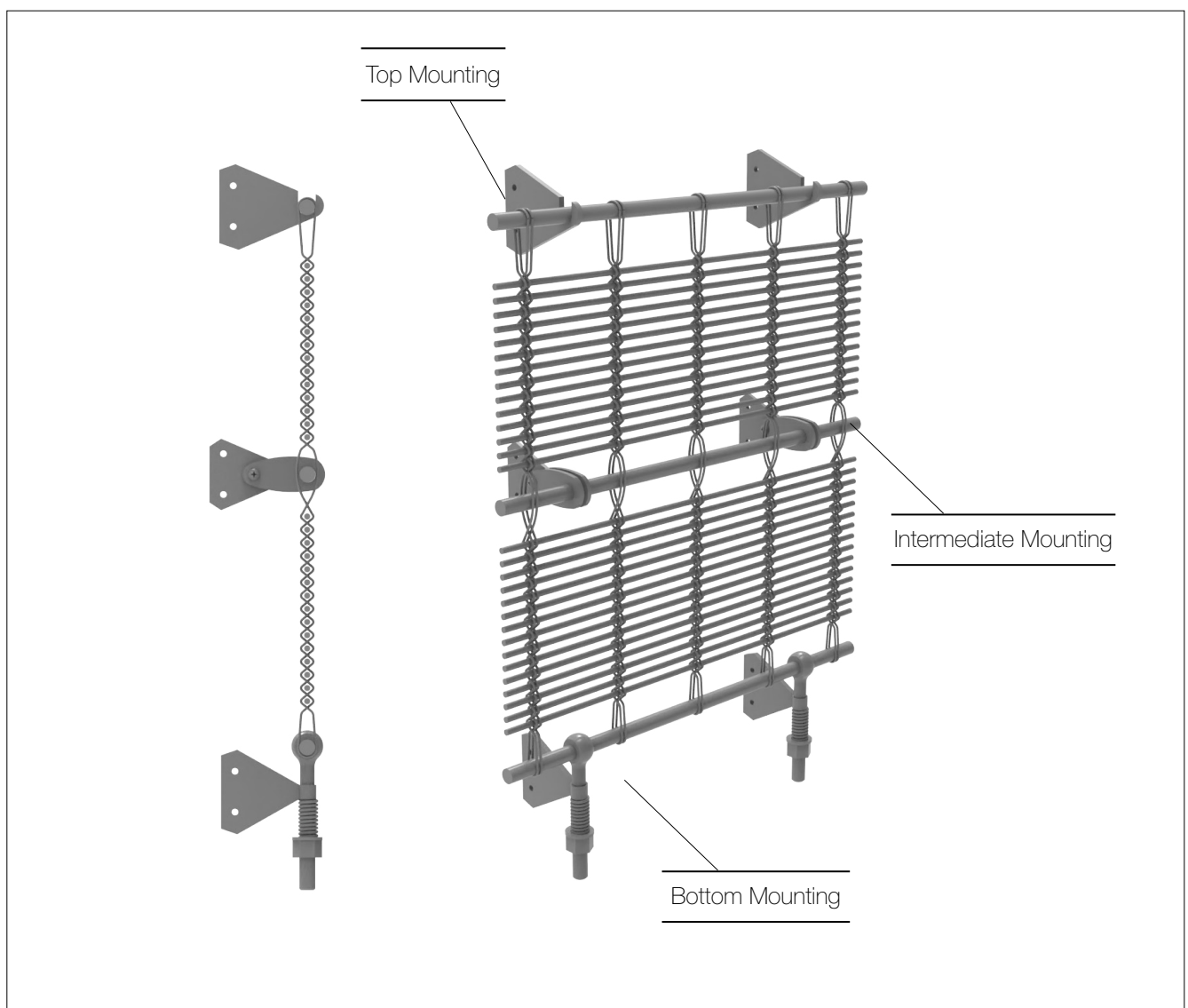
Woven-In-Bar (WIB) with Eyebolts

- 1 Incorporate round bars into the top, bottom and middle part of the metal fabric to replace woven weft wires.
- 2 Connect the top round bar with eyebolts and then tension and fix eyebolts to continuous substructure profile with nuts or with fastening brackets.
- 3 Warp wire connectors around intermediate round bars located behind the mesh fabric and hold the mesh fabric from the backside.
- 4 Insert the bottom round bar with eyebolts into the mesh fabric and connect eyebolts with tension springs. Fasten these springs onto the bottom brackets or a continuous substructure to tension the panels.



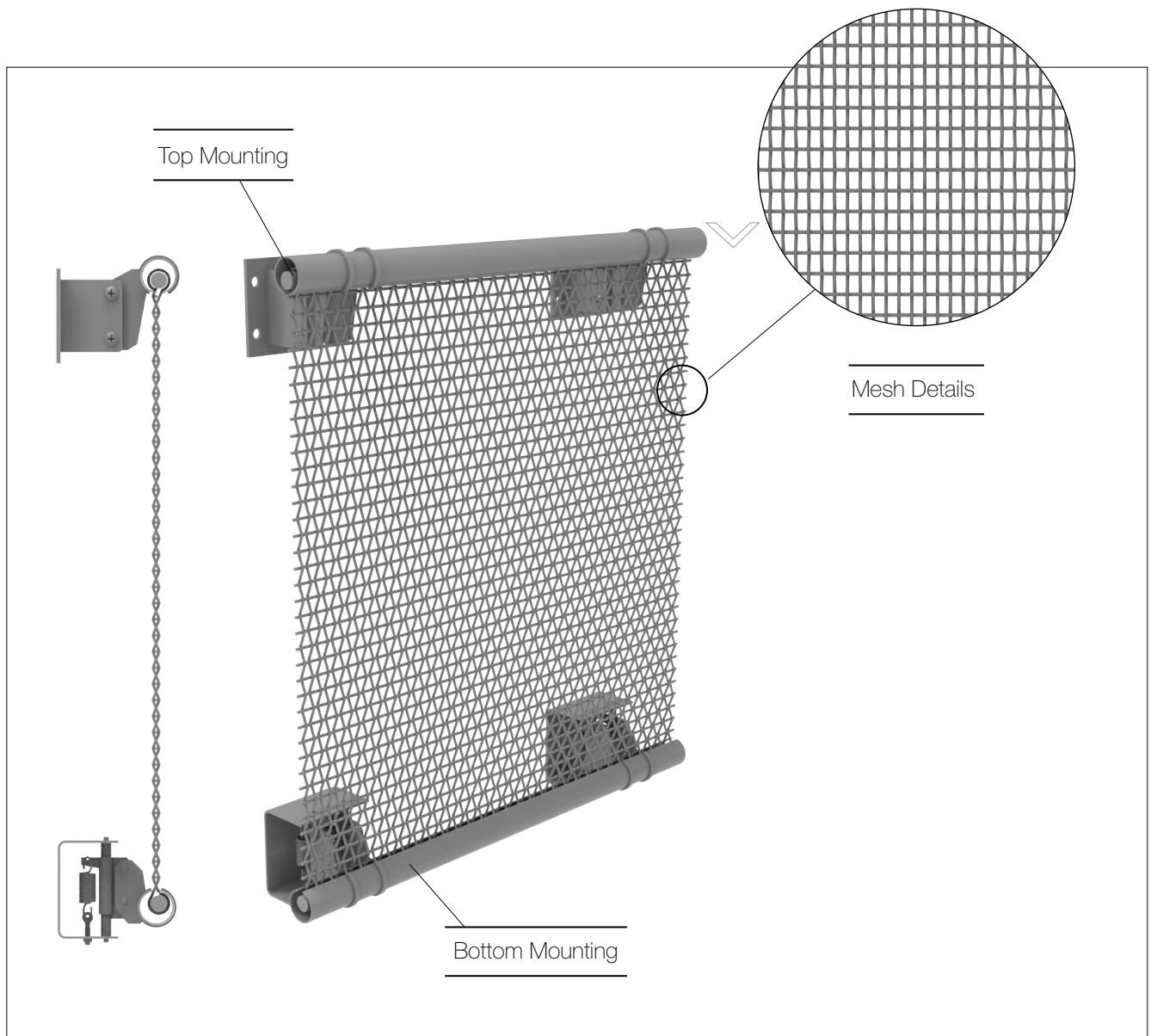
Woven-In-Bar (WIB) with Hooks & Springs

- 1 Incorporate round bars into the top, bottom and middle part of the metal fabric to replace woven weft wires.
- 2 Insert the top round bar into triangular fastening brackets to hang the mesh fabric.
- 3 Integrate intermediate round bars with triangular pivoting brackets into the mesh fabric to stabilize vertical tension and horizontal movements.
- 4 Insert the bottom round bar with eye bolts into the mesh fabric and connect eye bolts with tension springs. Fasten these springs onto the bottom brackets to apply pre-tension to the fabric and reduce the tension force on the structure



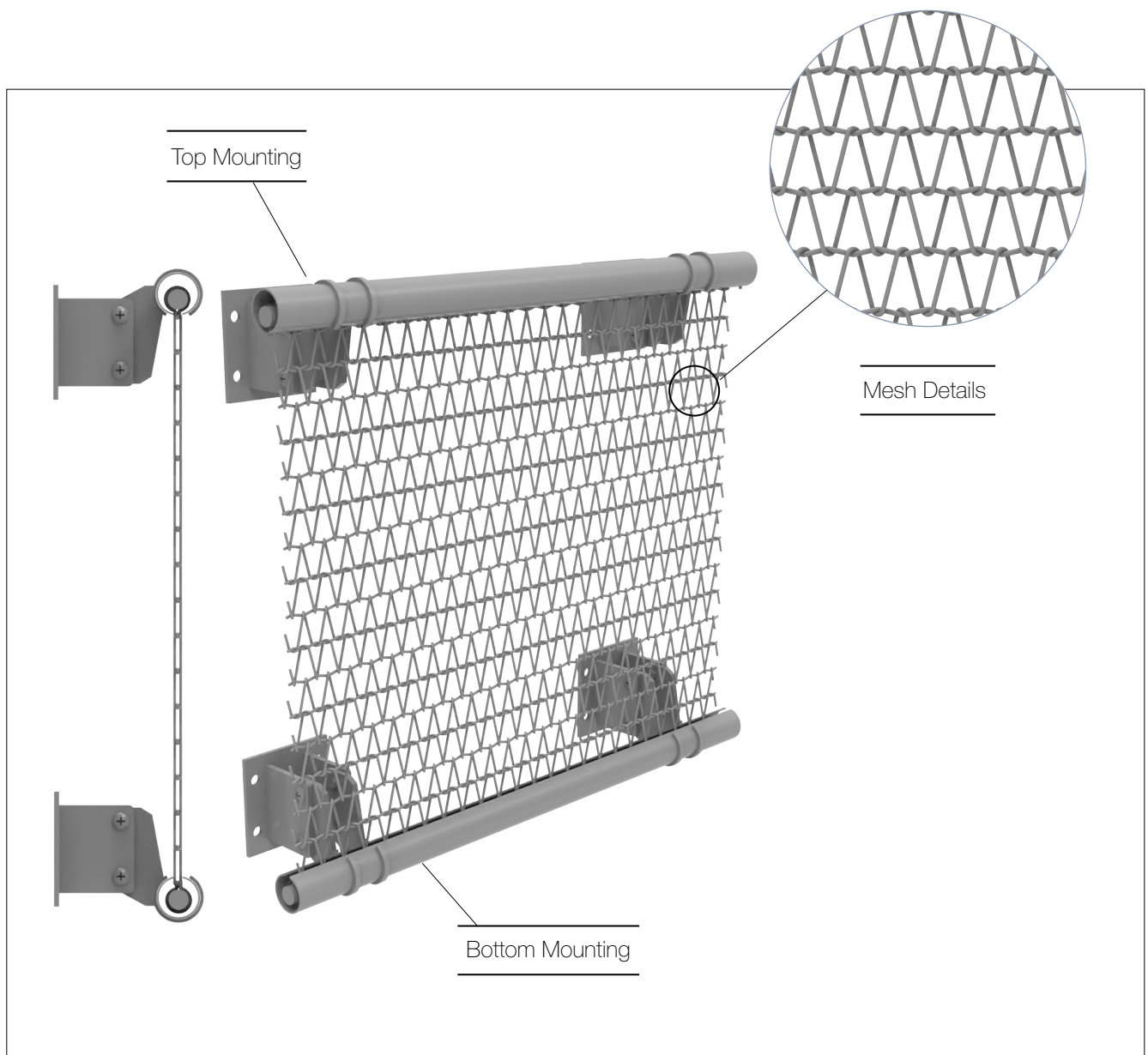
Cylindrical Shroud & Springs

- 1 Make the architectural mesh fabric pass through a defined envelope.
- 2 Terminate both ends of the metal fabric within the cylindrical shrouds.
- 3 Use the bar in the cylinder to permanently secure the mesh fabric.
- 4 Tension the mesh fabric with a hidden spring system at the bottom.



Cylindrical Shroud & Brackets

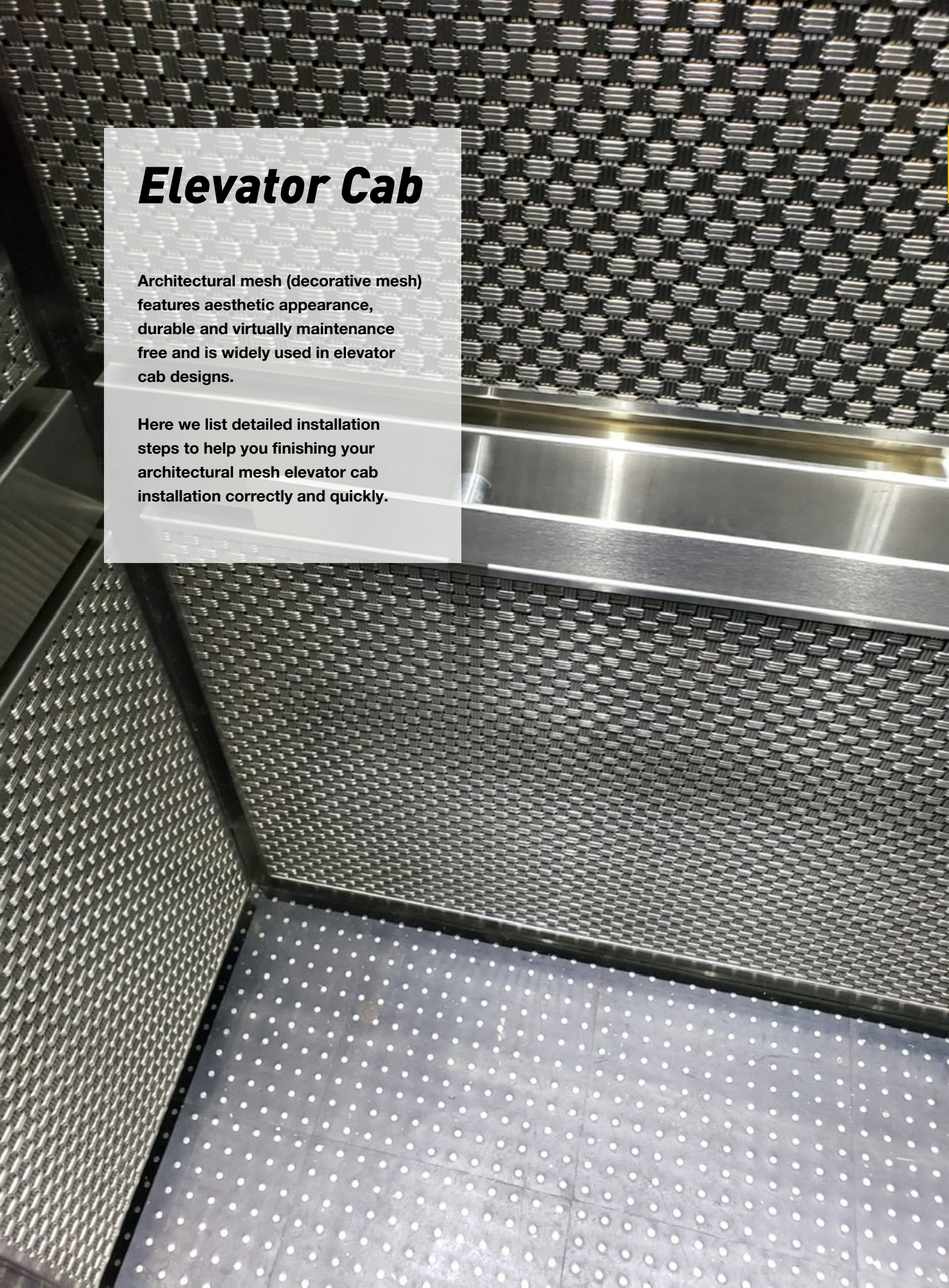
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- 2 Terminate both ends of the metal fabric within the cylindrical shrouds.
- 3 Use the bar in the cylinder to permanently secure the mesh fabric.
- 4 Tension the mesh fabric mechanically from the top and bottom brackets.



Elevator Cab

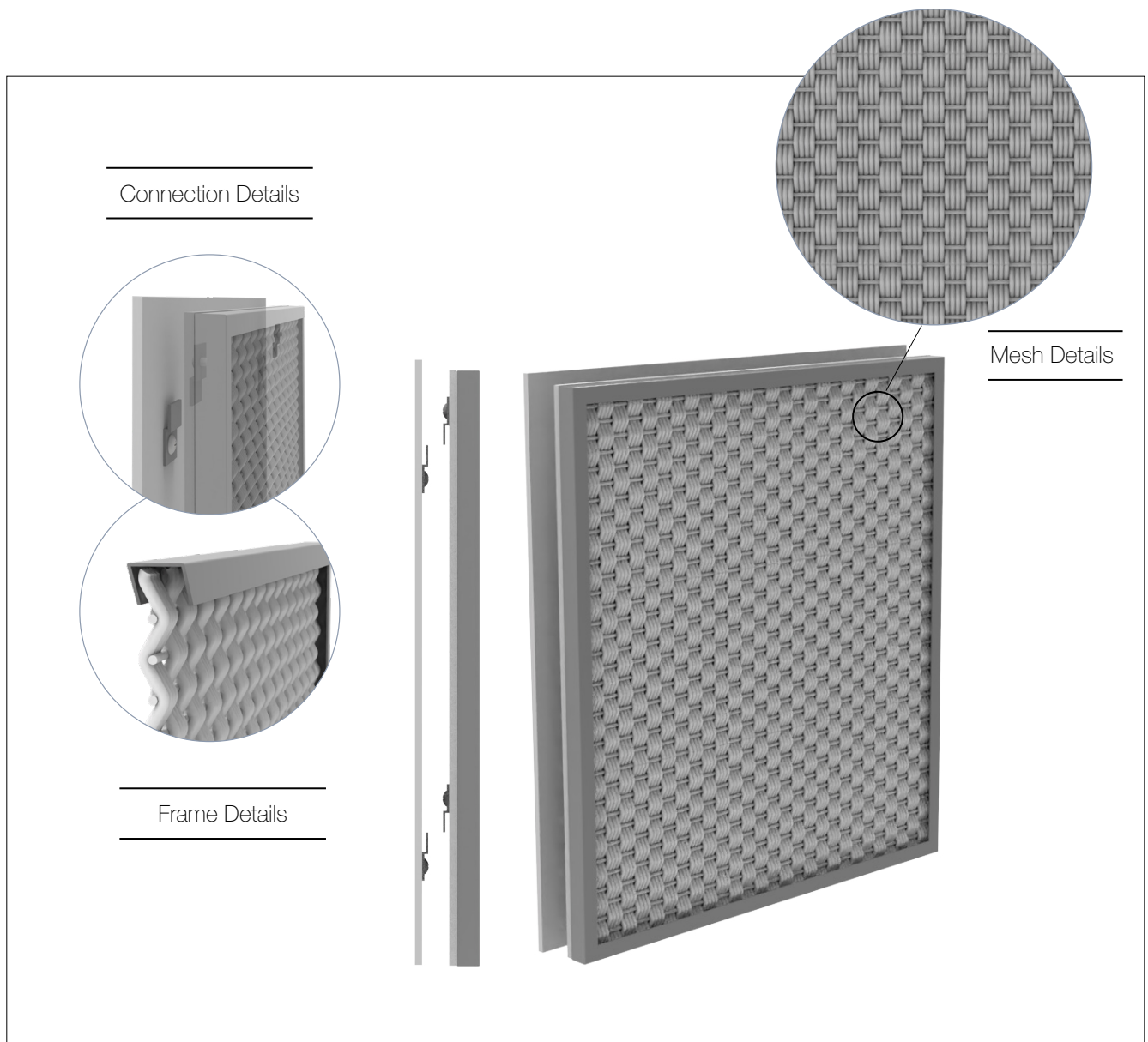
Architectural mesh (decorative mesh) features aesthetic appearance, durable and virtually maintenance free and is widely used in elevator cab designs.

Here we list detailed installation steps to help you finishing your architectural mesh elevator cab installation correctly and quickly.



Elevator Panel System

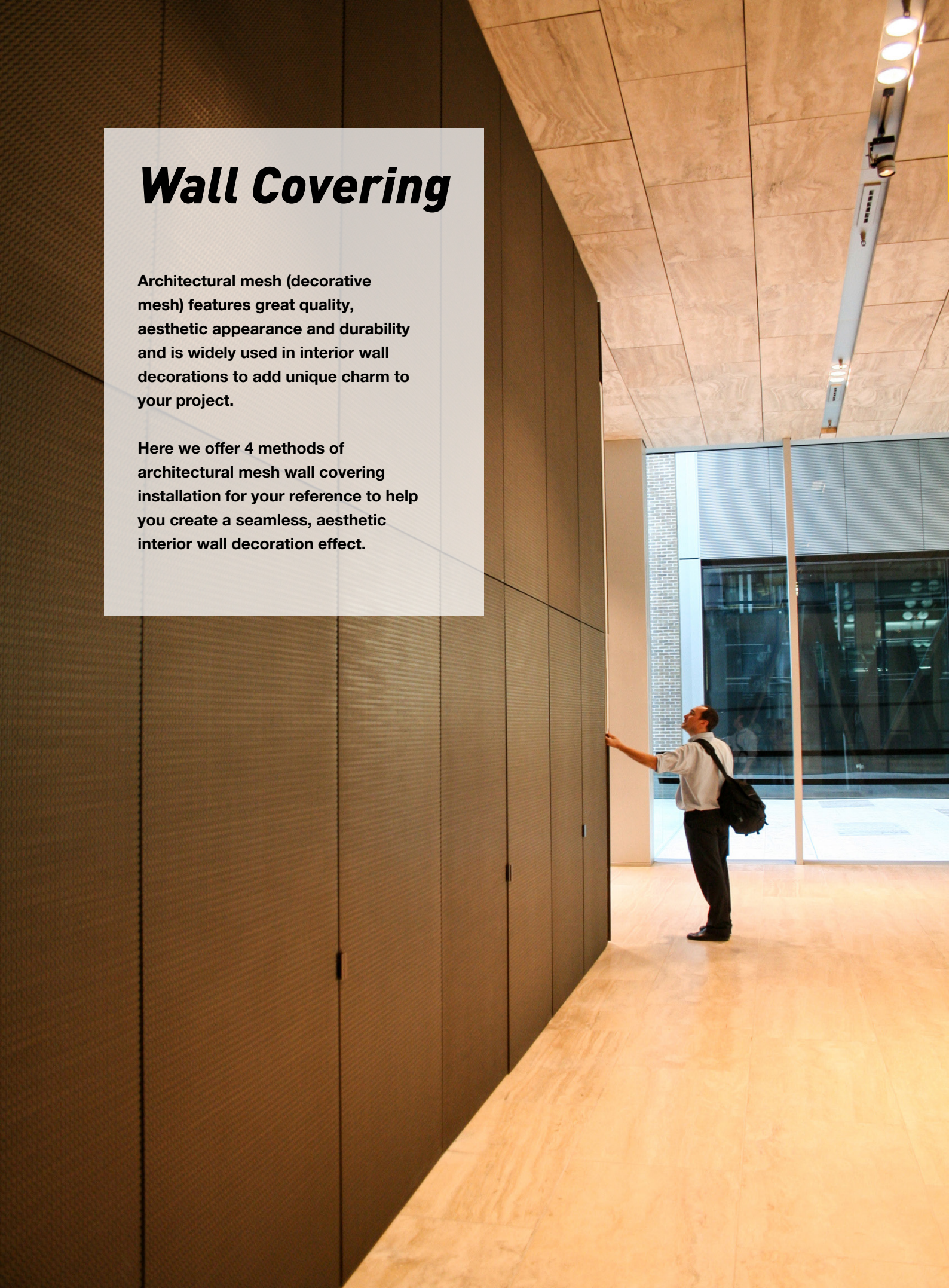
- 1 Fasten the architectural mesh to an aluminum backer.
- 2 Warp the edges of the architectural mesh fabric in a brushed J-trim.
- 3 Hang the architectural mesh on a typical wall substrate with Z-clips or similar hardware.



Wall Covering

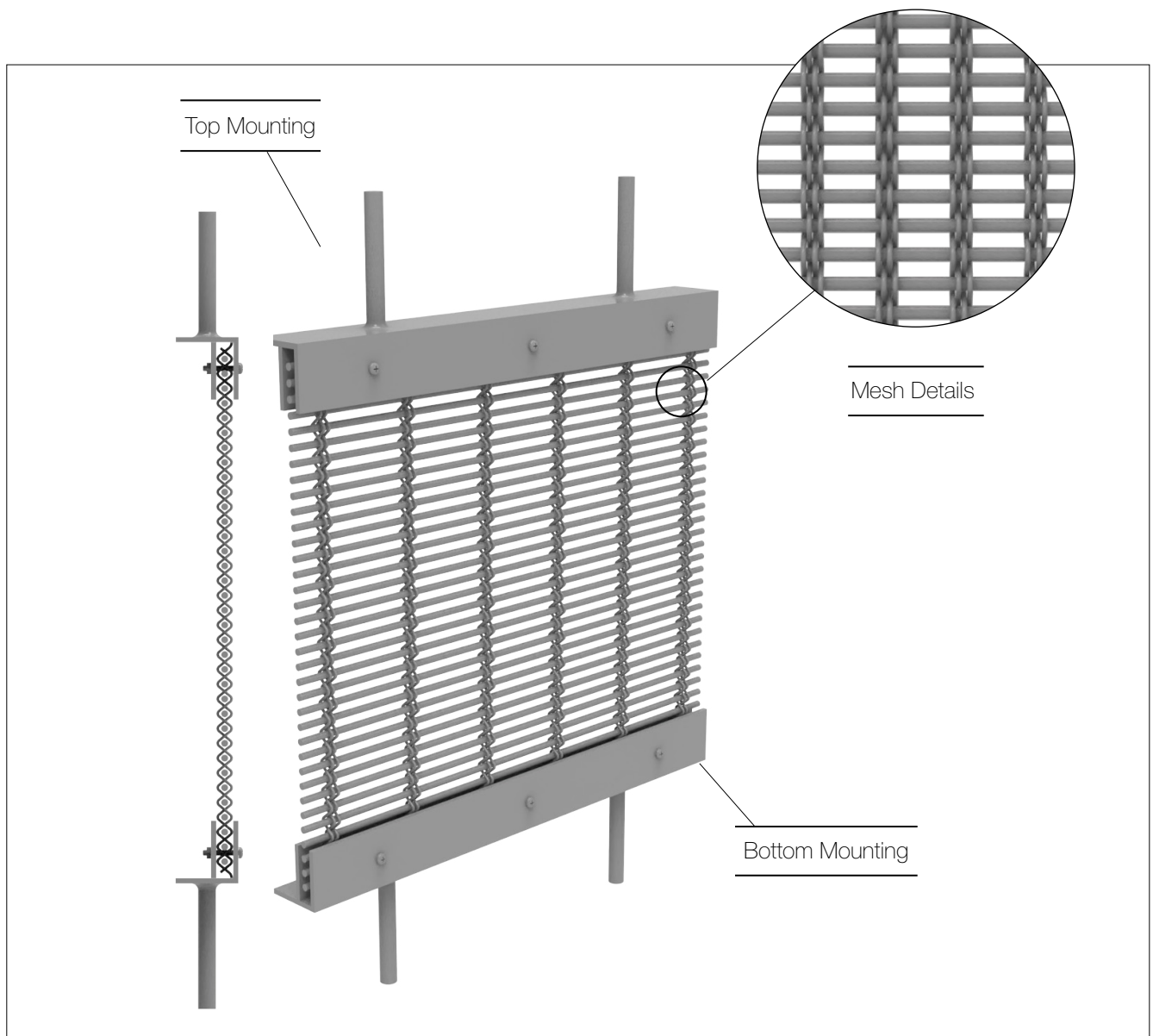
Architectural mesh (decorative mesh) features great quality, aesthetic appearance and durability and is widely used in interior wall decorations to add unique charm to your project.

Here we offer 4 methods of architectural mesh wall covering installation for your reference to help you create a seamless, aesthetic interior wall decoration effect.



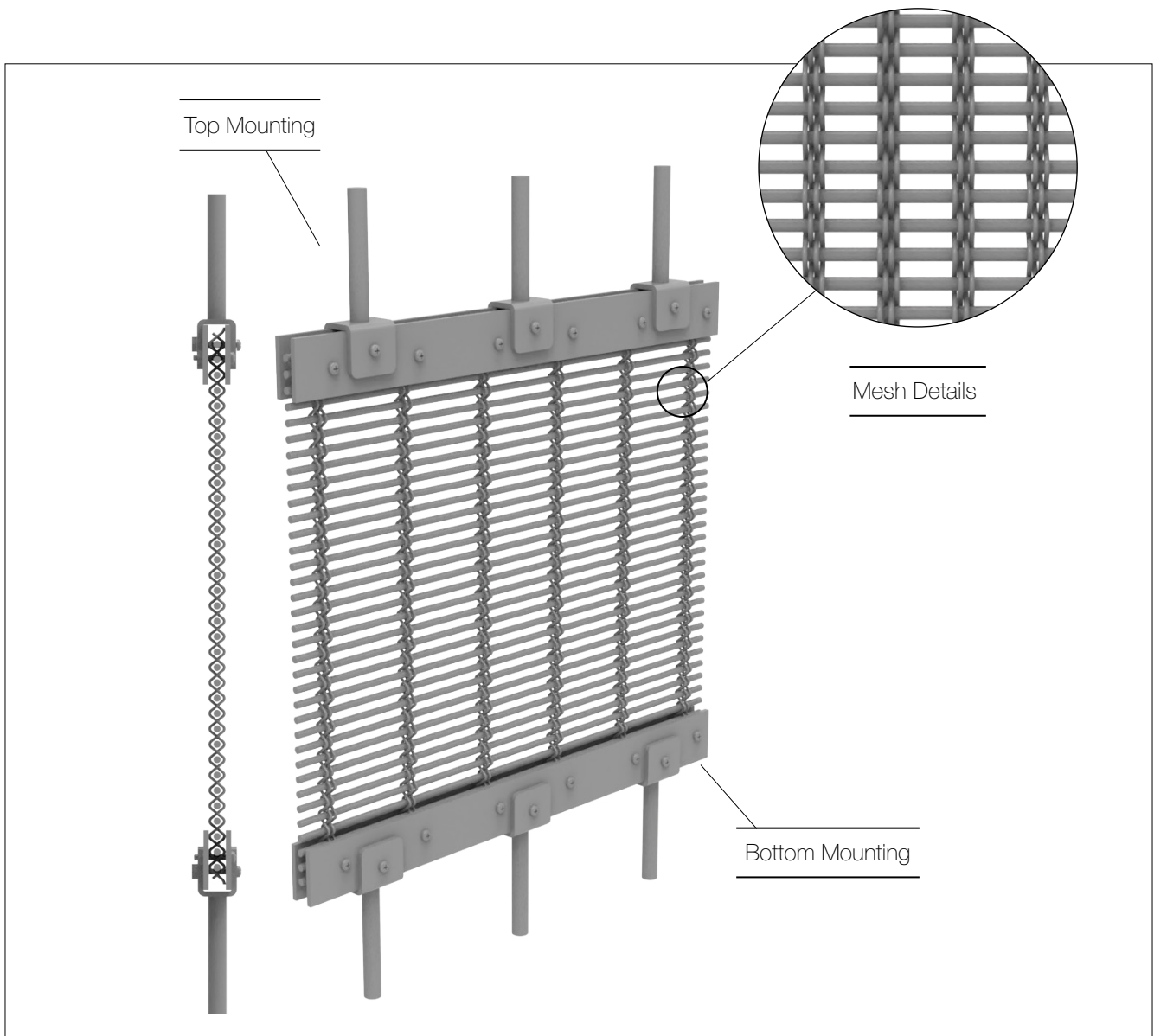
Flat & Angle with Threaded Rod

- 1 Clamp the mesh fabric with flat and angle bars with a threaded rod.
- 2 Weld threaded rods to the angle bar for tensioning by turnbuckles or nuts.



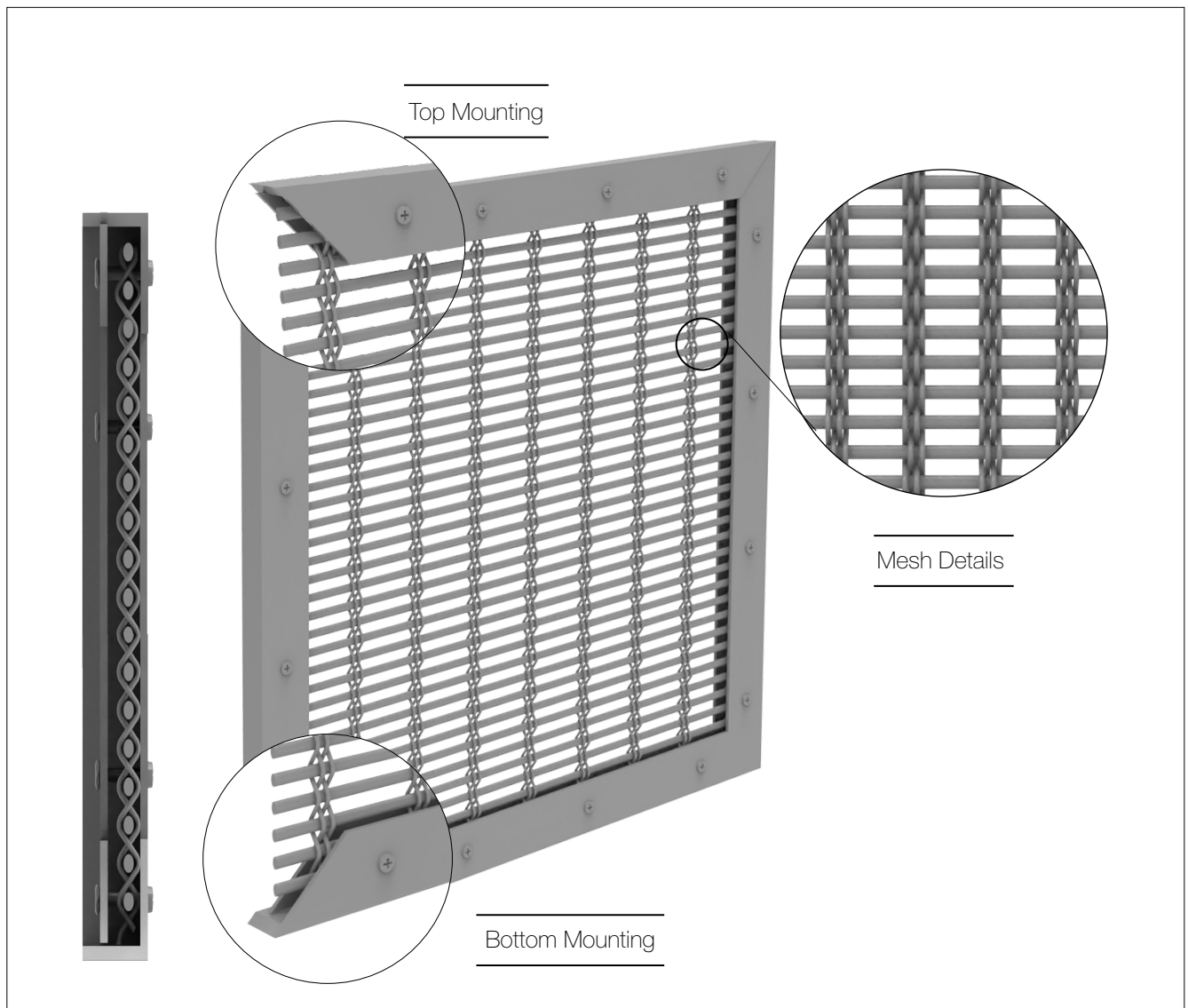
Flats with Clevis

- 1 Clamp both ends of the mesh fabric with flat bars.
- 2 Attach clevises with threaded rods to the flat bars for tensioning by turnbuckles or nuts.



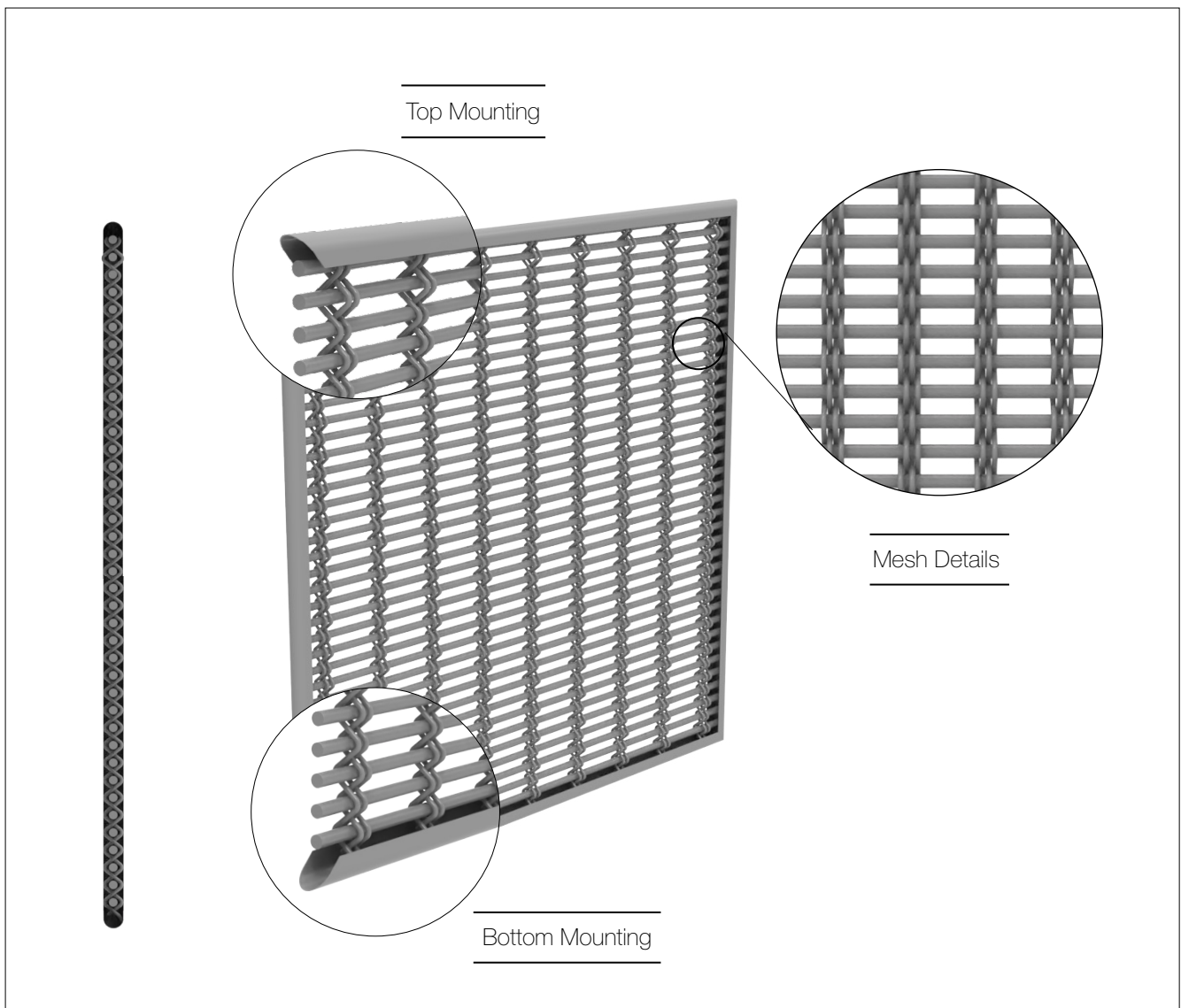
Angle Steel & Frame

- 1 Clamp tight and bolt the mesh fabric into a frame made of flat and angled bars.
- 2 Mesh fabric is not tensioned to assure flatness.



U-Binding Frame

- 1 Use a frame with U- channels to envelope the mesh fabric.
- 2 Weld and secure the mesh fabric in place.



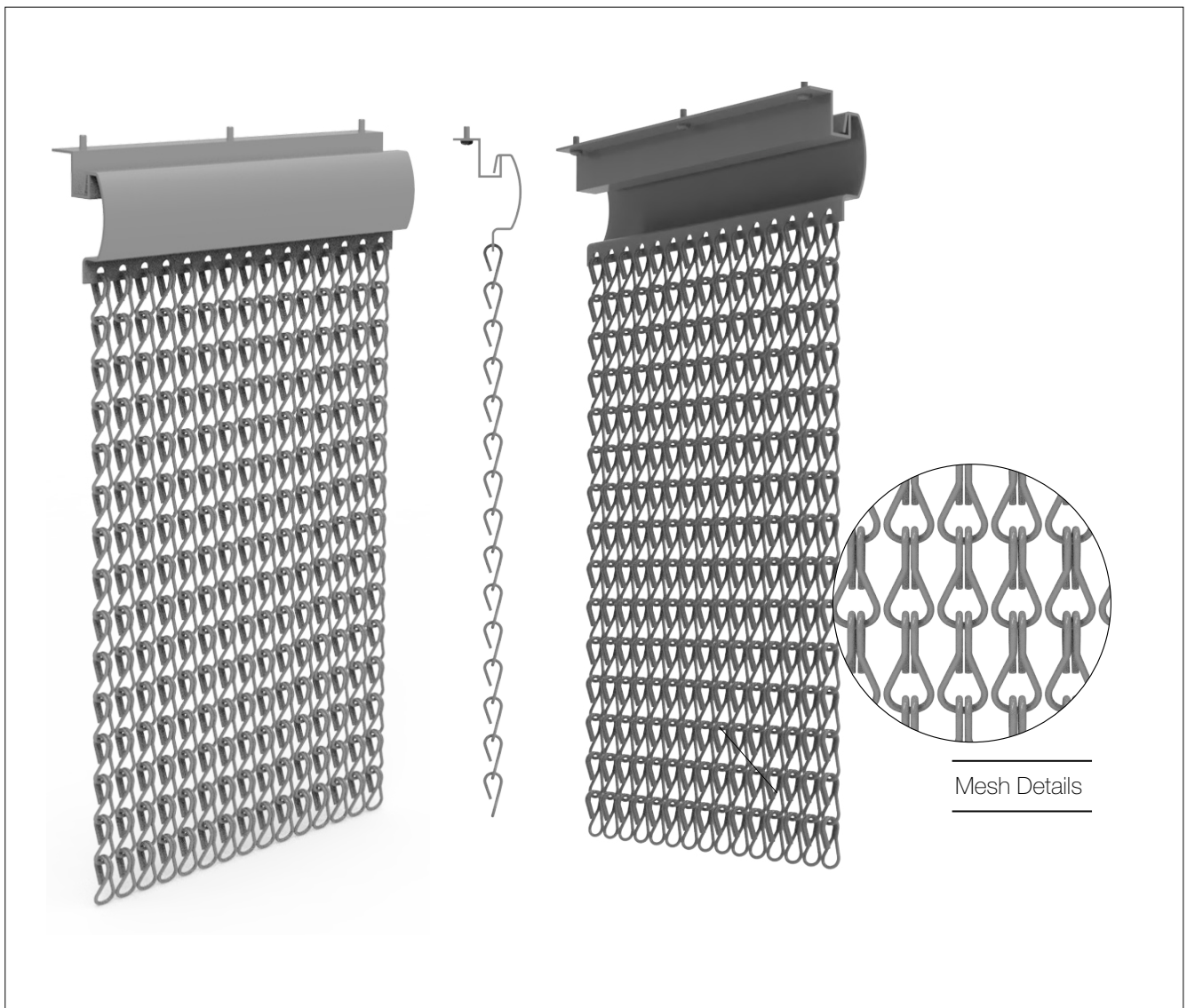
Interior Design

How to finish decorative mesh curtain installation? Here we offer 3 installation methods and corresponding accessories for you to choose from.



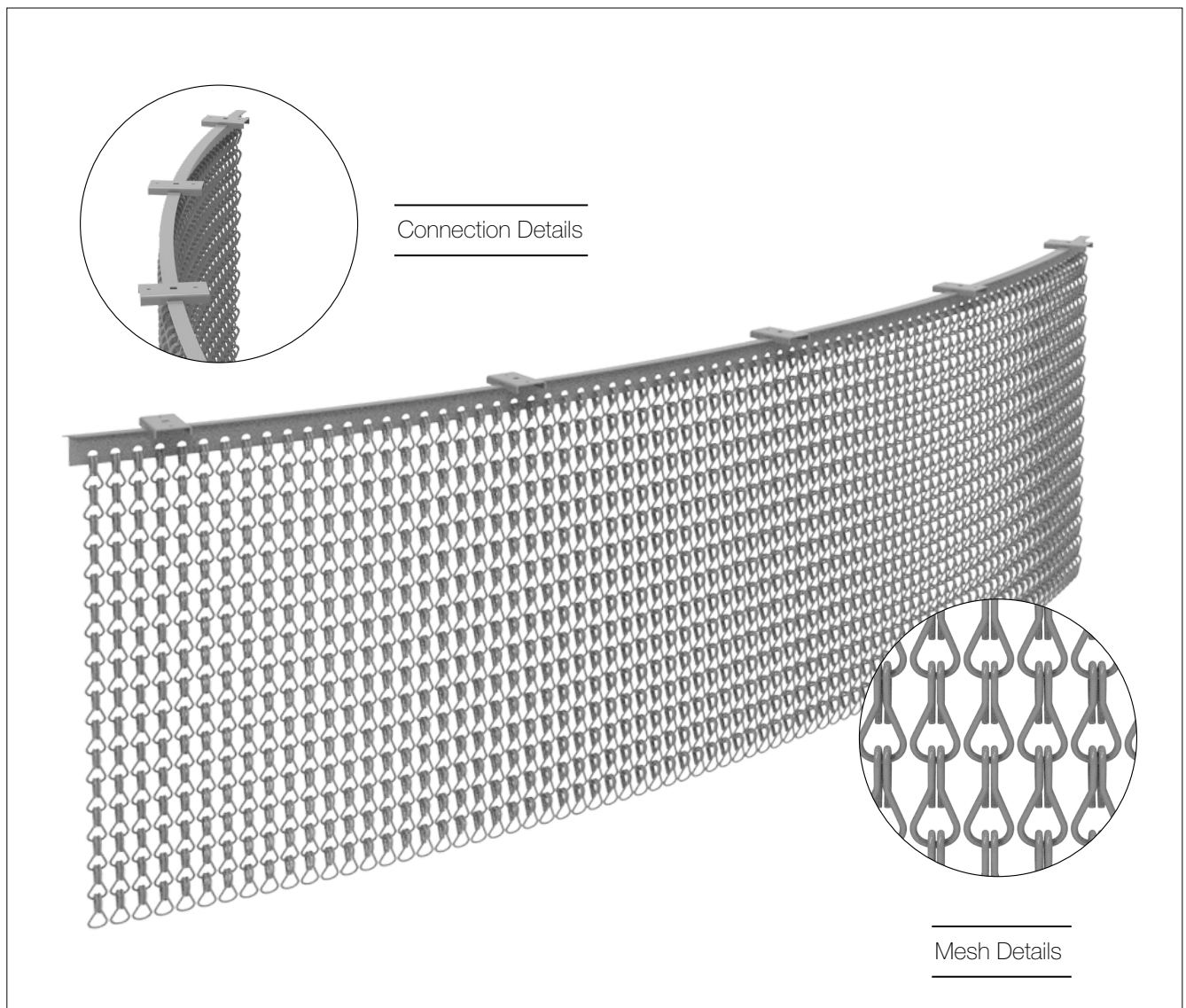
Fixed Track

- 1 Insert the mesh fabric into the predrilled holes on the rod.
- 2 Hook the rod into the ceiling hook.
- 3 Install the ceiling hook onto the ceiling.



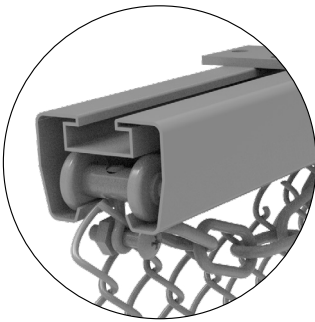
Cambered Track

- 1 Insert the mesh fabric into the predrilled holes on the T-track.
- 2 Install the T-track onto the ceiling.

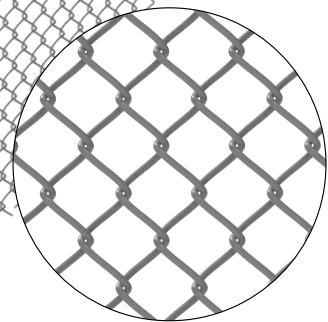
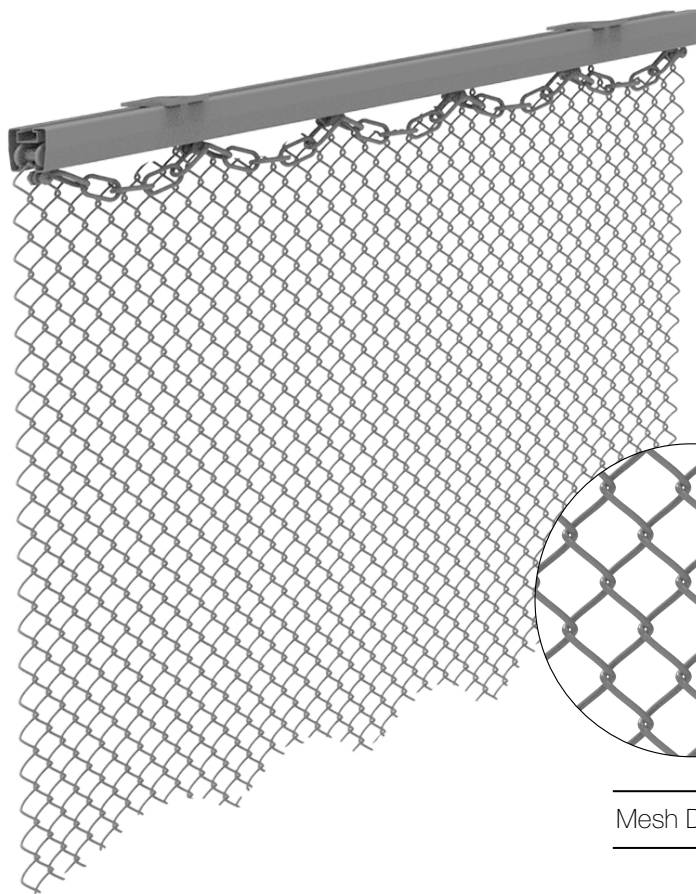
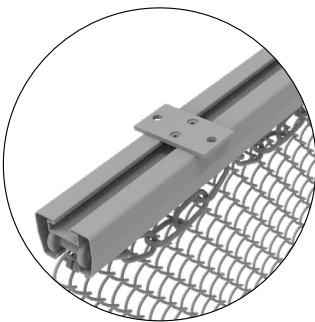


Flexible Track

- 1 Slip pulley wheel into the track.
- 2 Fix the track head at both ends.
- 3 Confirm the gap of mesh curtain folds.
- 4 Connect and fix the track, mesh curtain and metal chain by screws.
- 5 Install the connection for track and wall.



Connection Details



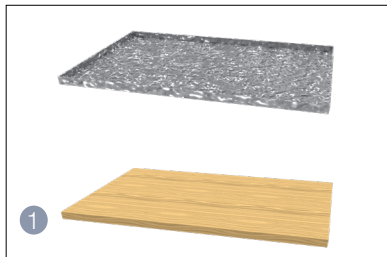
Mesh Details



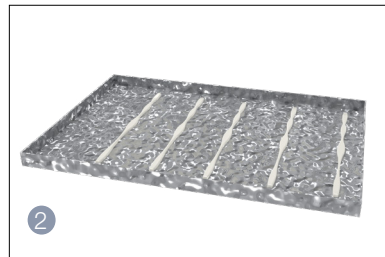
Water Ripple Stainless Steel Panel

Water ripple stainless steel panels are made of stainless steel plate after punching, featuring beautiful appearance, rust resistance, acid-base resistance and long lifespan. They are widely used in both interior and exterior decorations of commercial or residential building as decorative panels. Here are some water ripple stainless steel panel installation methods for you to choose from.

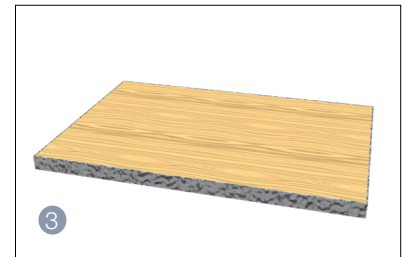
Structural Adhesive Installation



Prepare water ripple stainless steel panels with bent edges that are exactly the same size as the base plate (wood board).

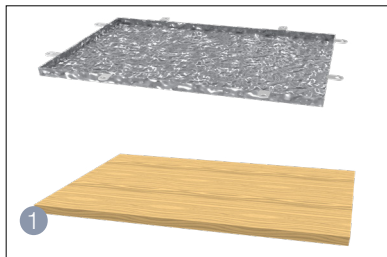


Apply structural adhesive on the back of the water ripple stainless steel panel with bent edges.

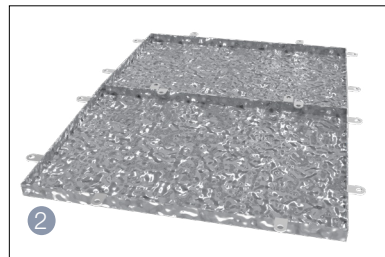


Secure the water ripple stainless steel panel onto the base plate (wood board)

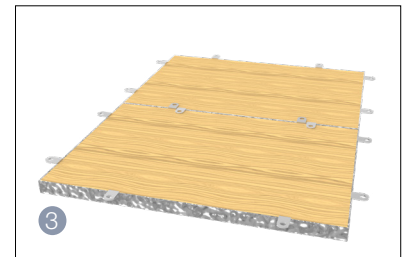
Corner Bracket Installation



Prepare water ripple stainless steel panels with bent edges that are exactly the same size as the base plate (wood board).

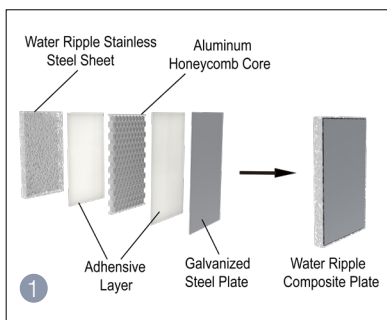


Fold the corner bracket into the back side of the other water ripple stainless steel sheet and secure the corner bracket with screws.



Fix the well-connected water ripple stainless steel panels on the base plate with tapping screws.

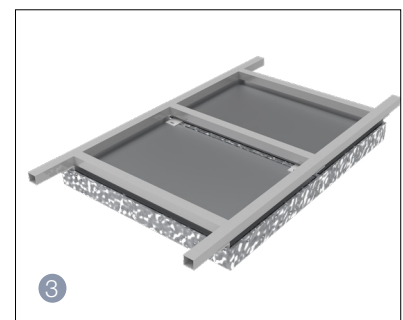
Welding Installation



Water ripple composite plate structure



Water ripple composite plate partial installation



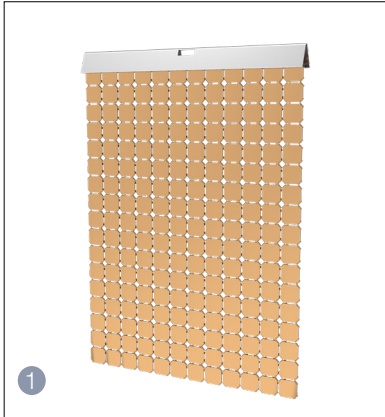
Well installed water ripple composite plate



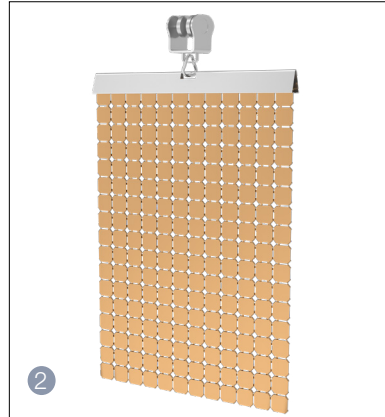
Scale Metal Curtain

How to install scale metal curtain? Here we offer 2 installation methods and corresponding components for you to choose from.

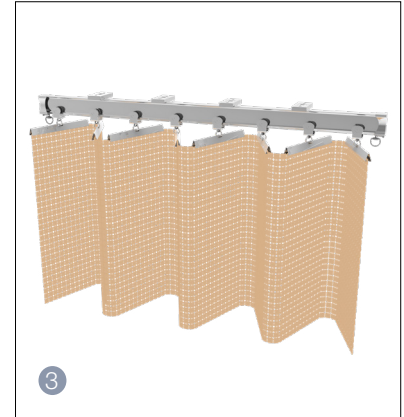
Track Installation



1
Fix the scale metal curtain with a U channel.



2
Fix the U channel with roller hooks.

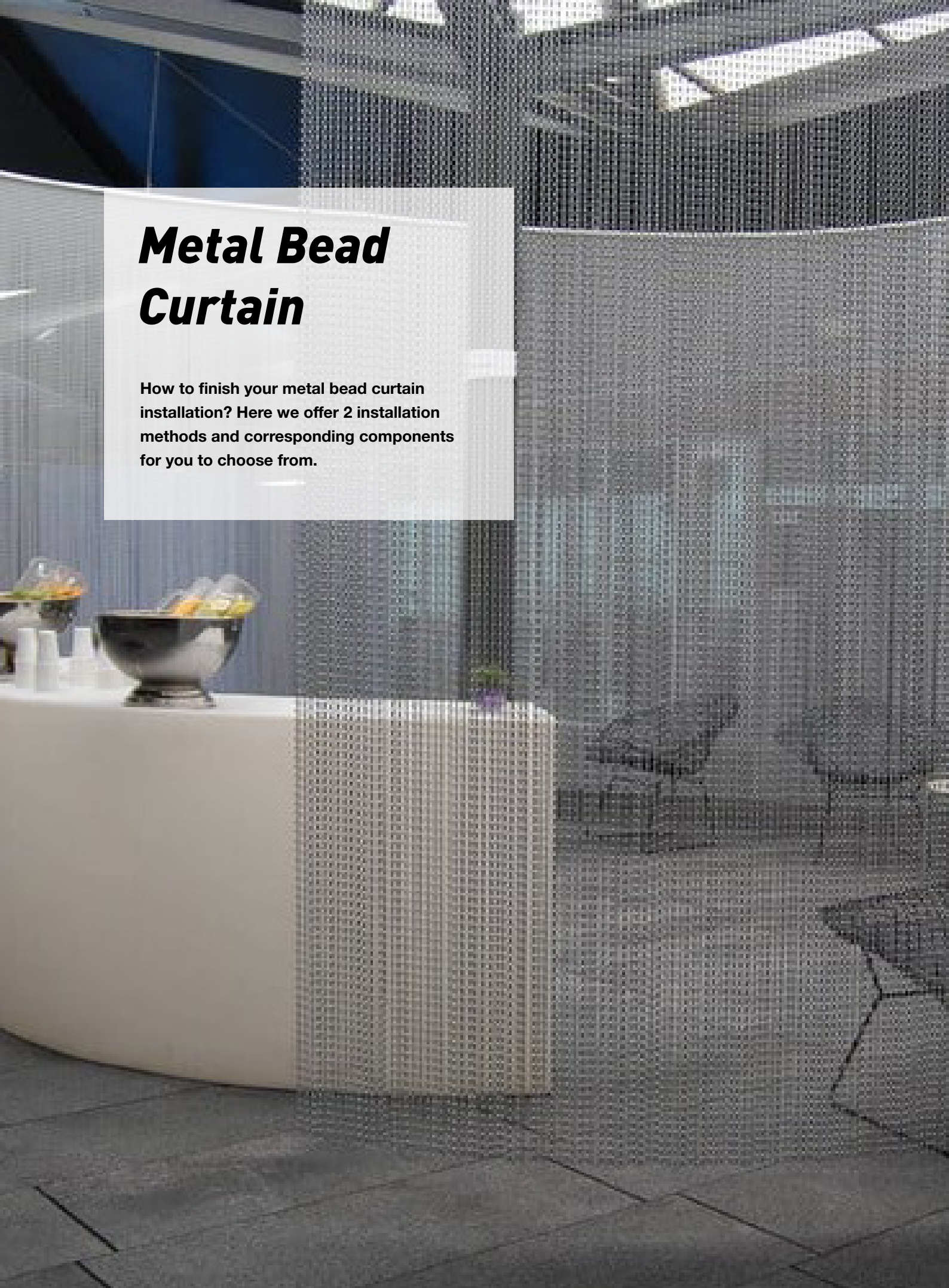


3
Secure roller hooks onto the track.

Metal Rod Installation



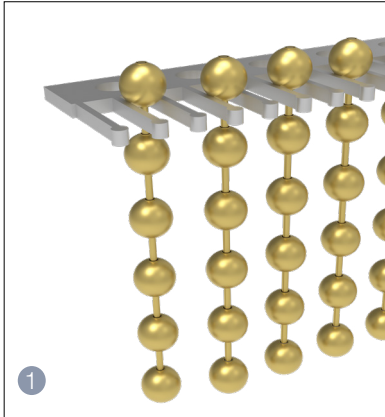
Connect all bead chains with a metal rod.



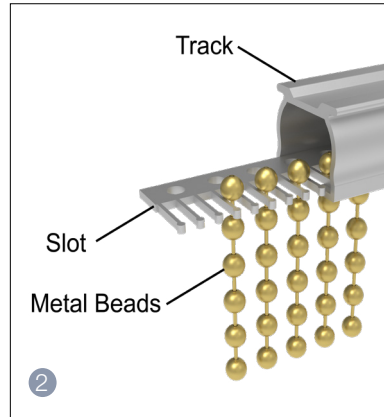
Metal Bead Curtain

How to finish your metal bead curtain installation? Here we offer 2 installation methods and corresponding components for you to choose from.

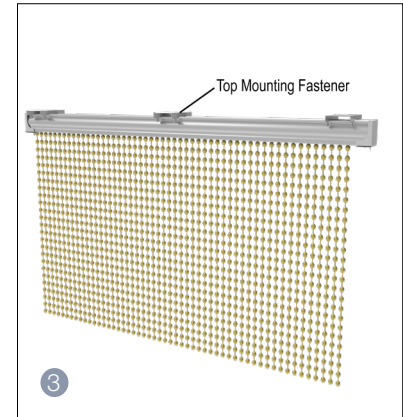
U Track Installation



1
Make the metal beads get stuck into the slot.

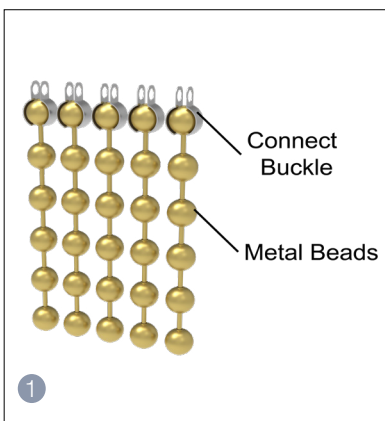


2
Insert the slot into the track.

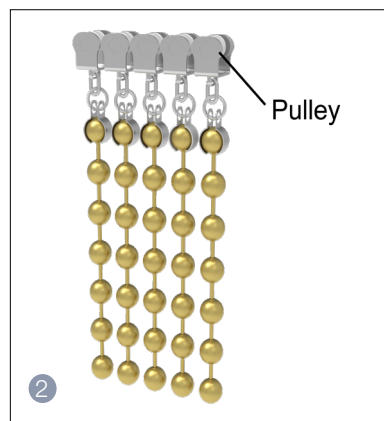


3
Install the track onto the suspended ceiling.

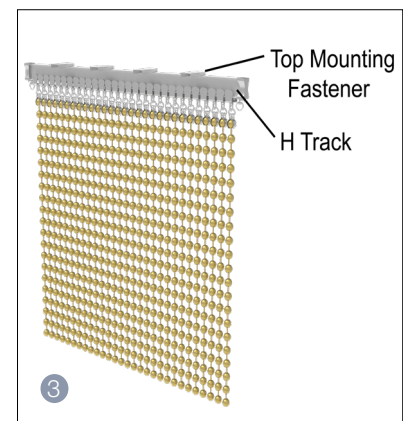
H Track Installation



1
Fix metal bead curtains with connect buckles.



2
Hook the connect buckles with metal bead curtains to the curtain pulley.



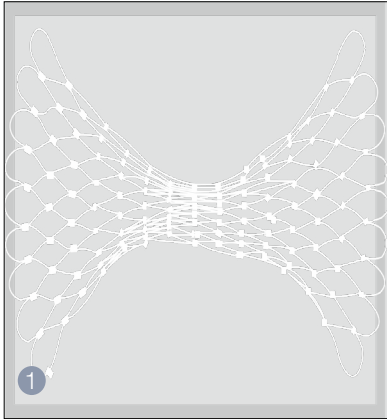
3
Secure the H track onto the ceiling.

A close-up photograph of a stainless steel rope mesh balustrade. The balustrade consists of a series of horizontal stainless steel bars connected by a diamond-shaped mesh of stainless steel rope. The background is a blurred green landscape with trees and bushes. The text is overlaid on a semi-transparent white box in the upper left corner.

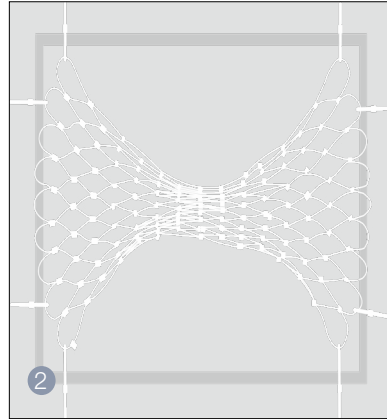
Stainless Steel Rope Mesh Balustrade

Stainless steel rope mesh has outstanding corrosion resistance and high tensile strength and is widely used for building reinforcement, building decoration, security prevention and other purpose.

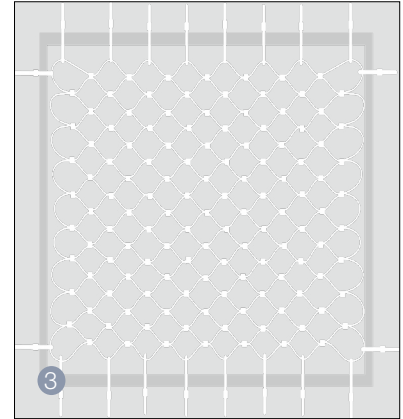
Stainless Steel Rope Mesh Balustrade Installation



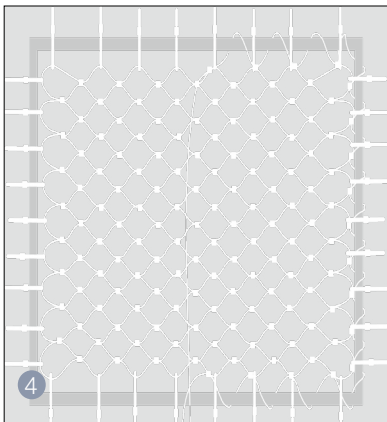
Determine the height and width of the steel frame and stainless steel rope mesh



Fix the 4 corner of the stainless steel rope mesh onto the steel frame with cable ties.



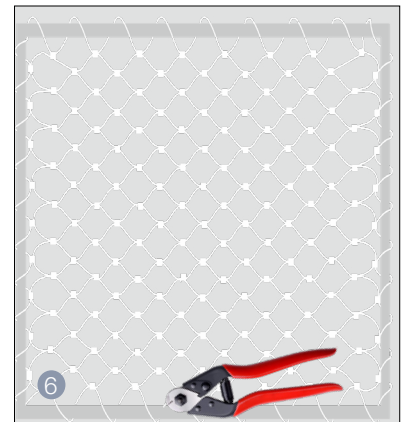
Fix the 4 sides of the stainless steel rope mesh onto the steel frame with cable ties.



Make the perimeter rope pass through the ferrules fixed by cable ties and be sure the rope always move in one direction.



When the wire rope is fixed, remove all cable ties for stainless steel rope mesh fixing.



Cut off the lose ends of stainless steel rope with a cable cutter.

ARGGER INSTALLATION CATALOG



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