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REDEFINE THE ORDINARY

Mont PR-FF - Facade System

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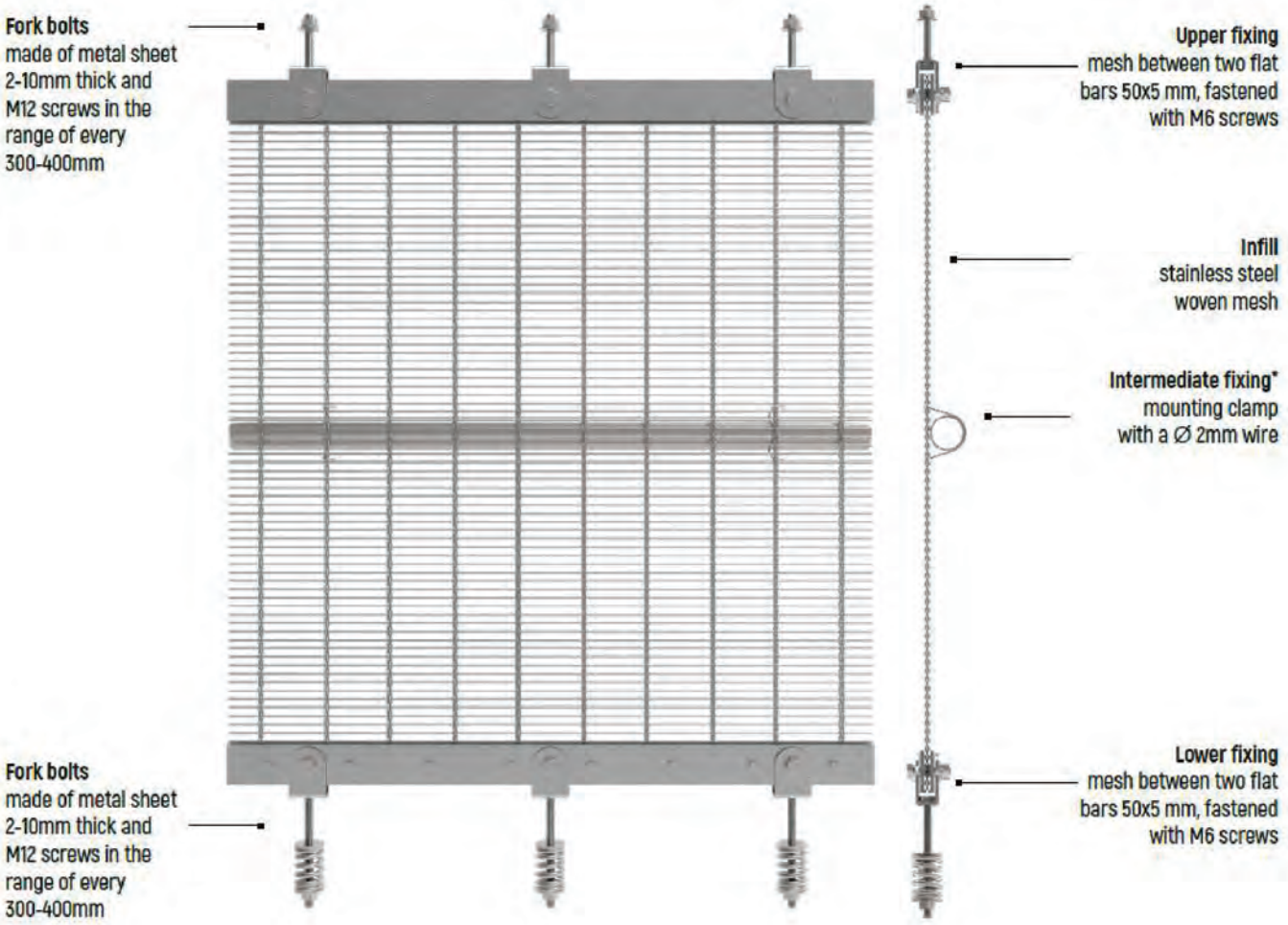
An Oveview of the System



The Mont PR-FF system is designed for tensioning woven and woven wire mesh with small mesh opening for facades, wall claddings and wall partitions. The top and lower edges of the architectural mesh are clamped between two flat bars, which stiffen it and fix it with fork bolts to the substructure. A set of dedicated springs ensures precise and even tension, even under varying temperatures. The Mont PR-FF system allows the installation of large-format woven mesh panels.

The spacing of the mesh upper and bottom mounting fork bolts is in the range of 300-400 mm and is determined individually depending on the width of the panels. The recommended spacing of intermediate supports is 3-4m. The mesh is attached to them with mounting clamps at 300-400mm. Substructure and intermediate support are not the part of the offer.

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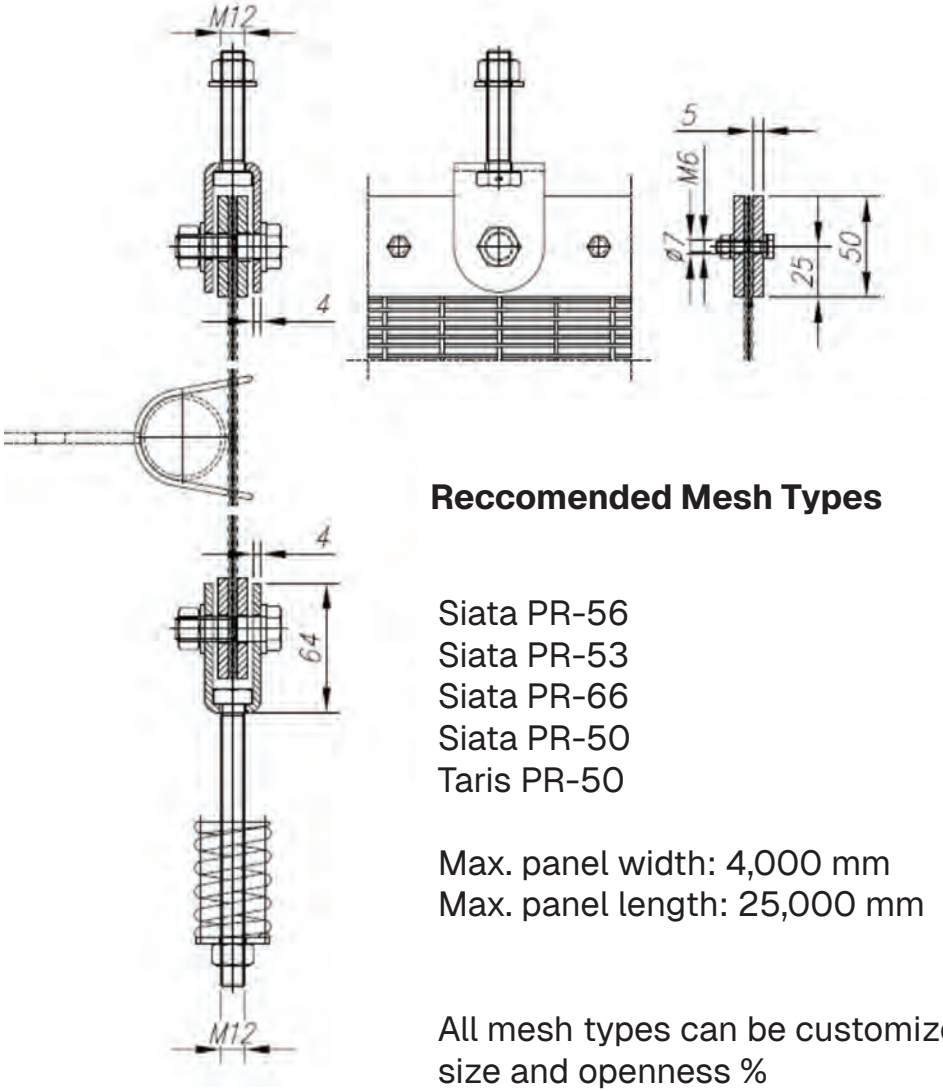
Fixing Details



Reccomended Mesh Types

Siata PR-56
Siata PR-53
Siata PR-66
Siata PR-50
Taris PR-50

Max. panel width: 4,000 mm
Max. panel length: 25,000 mm

All mesh types can be customized to suit mesh size and openness %

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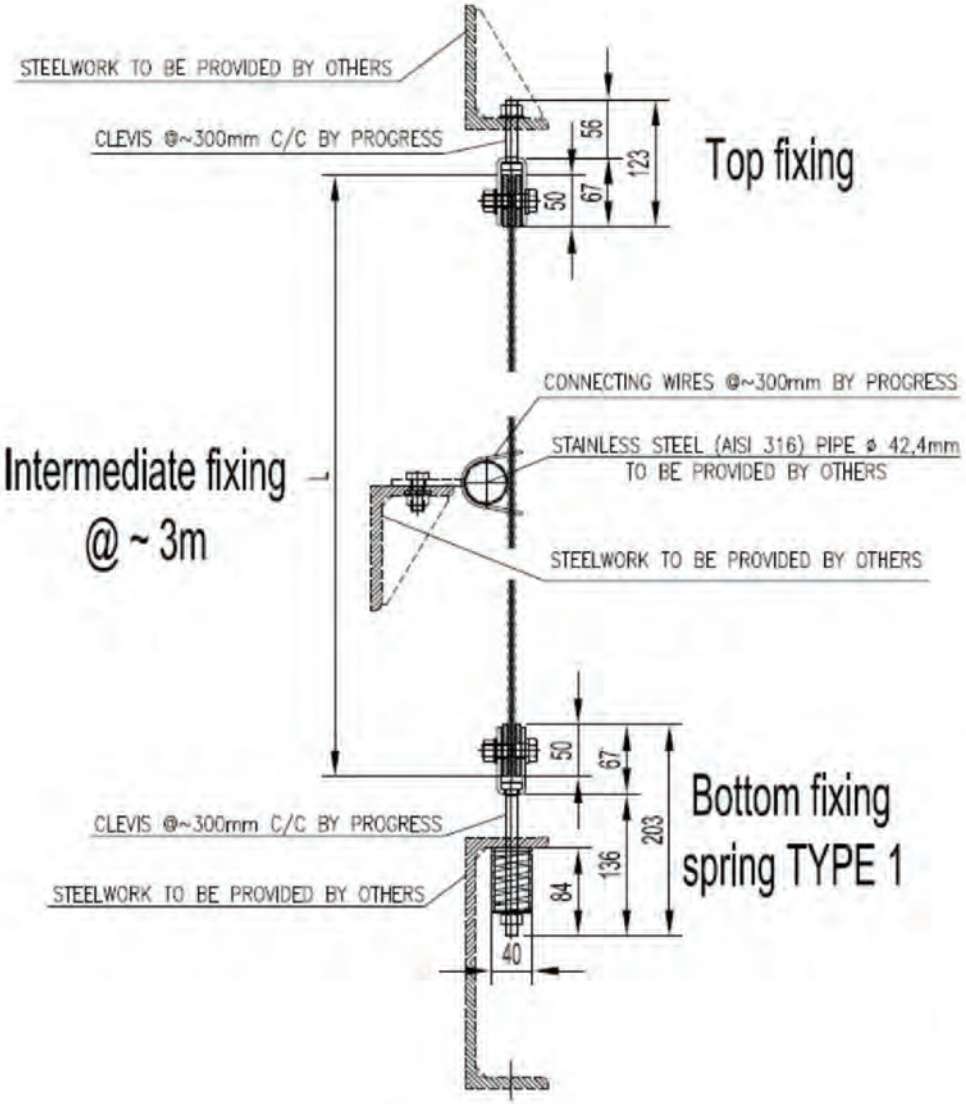
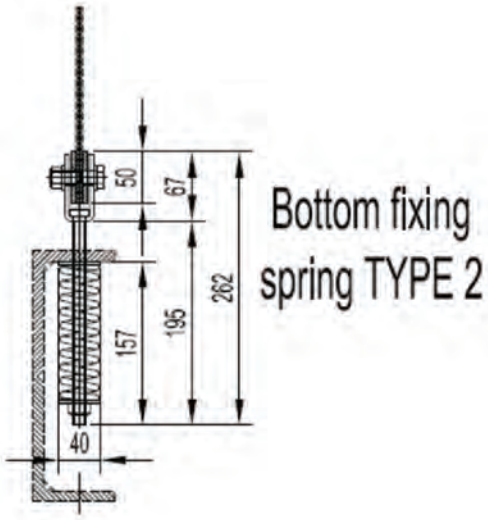
Fixing Details



L – length of mesh panel to be provided by Client

CLEVIS @~300mm C/C – spacings between fixing points of mesh panel be confirmed by Progress Eco (~300–400mm)

Movement joints between mesh panels to be 1–2cm



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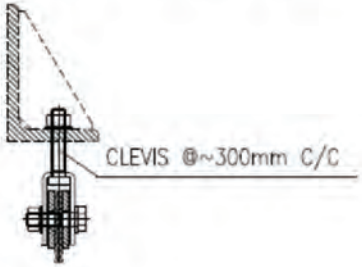
Fixing Details

Top fixing

LOADINGS FROM 10m LONG MESH PANEL IN TENSION
INTERMEDIATE SUPPORT OF MESH PANEL AT 3m



VERTICAL

DEAD LOAD
0,19kN * 3,33/m = 0,63kN/m

TENSION
0,96kN * 3,33/m = 3,20kN/m

ICE LOAD
1,08kN * 3,33/m = 3,60kN/m

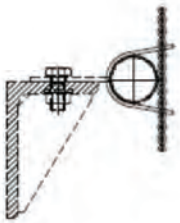
WIND LOAD
2,08kN * 3,33/m = 6,93kN/m

HORIZONTAL

WIND LOAD
0,28kN * 3,33/m = 0,93kN/m

Intermediate fixing

LOADINGS FROM 10m LONG MESH PANEL IN TENSION
INTERMEDIATE SUPPORT OF MESH PANEL AT 3m

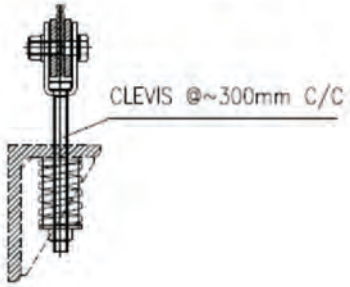


HORIZONTAL

WIND LOAD
2 * (0,28kN * 3,33/m) = 1,86kN/m

Bottom fixing

LOADINGS FROM 10m LONG MESH PANEL IN TENSION
INTERMEDIATE SUPPORT OF MESH PANEL AT 3m



VERTICAL

TENSION
0,96kN * 3,33/m = 3,20kN/m

WIND LOAD
2,08kN * 3,33/m = 6,93kN/m

HORIZONTAL

WIND LOAD
0,28kN * 3,33/m = 0,93kN/m

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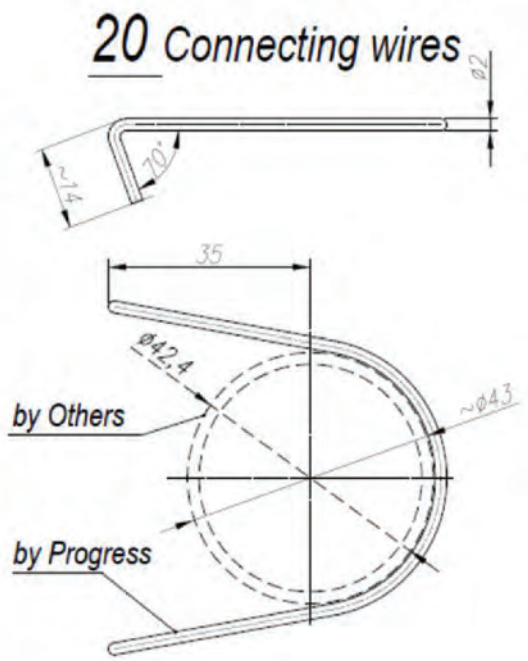
Fixing Details

Mont PR-FF — Mesh in tension - installation

Installation of individual mesh panels to the steel substructure is carried out from the basket crane truck in the following order:

1. Screwing mesh clevis with steel substructure on the top fixings
2. Screwing mesh clevis containing spring with steel substructure on the bottom fixings
3. In order to put mesh panels in tension by screwing bottom clevises containing springs, it is required to introduce an appropriate initial springs compression in accordance with the guidelines provided in the calculation package
4. After tensioning of mesh panel – an installation of connecting wires on intermediate supports



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Install process examples

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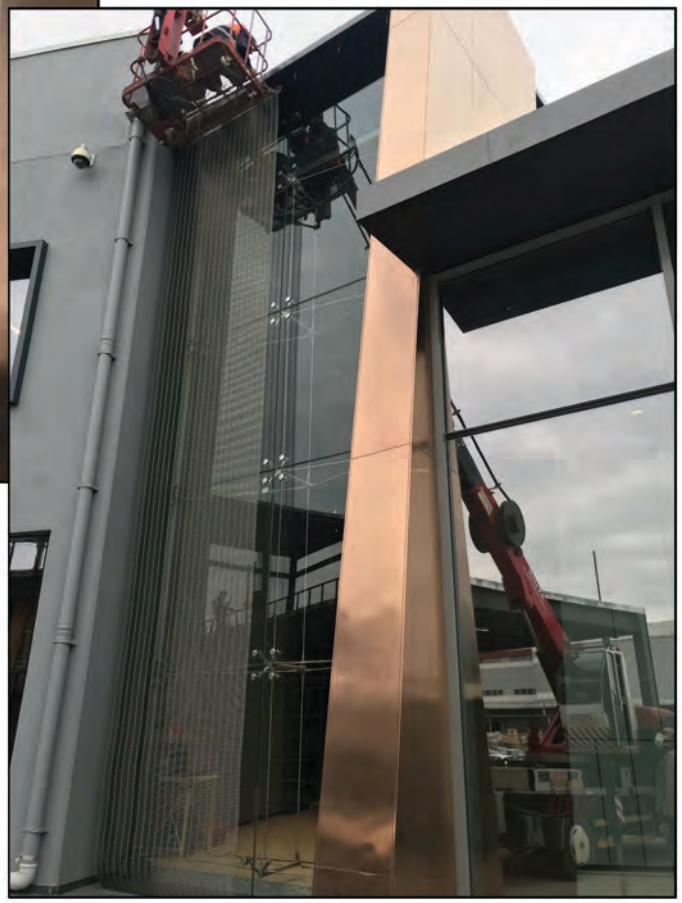
Install process examples



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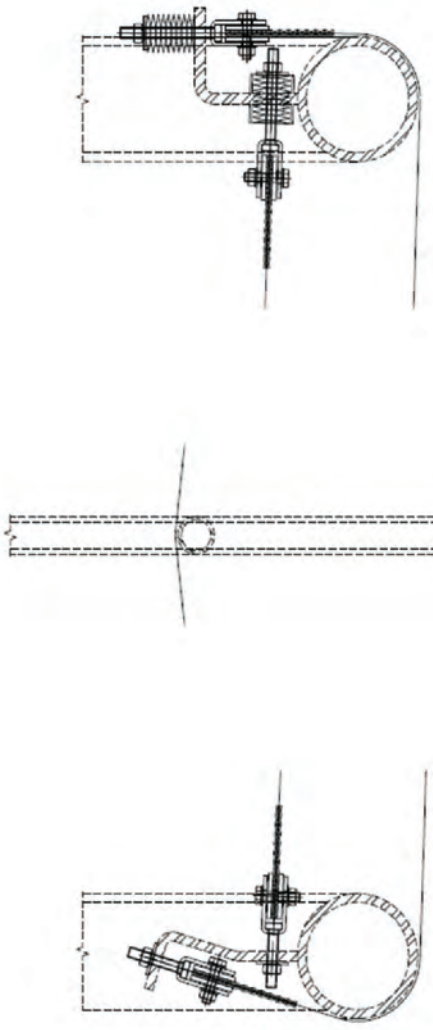
Project Example



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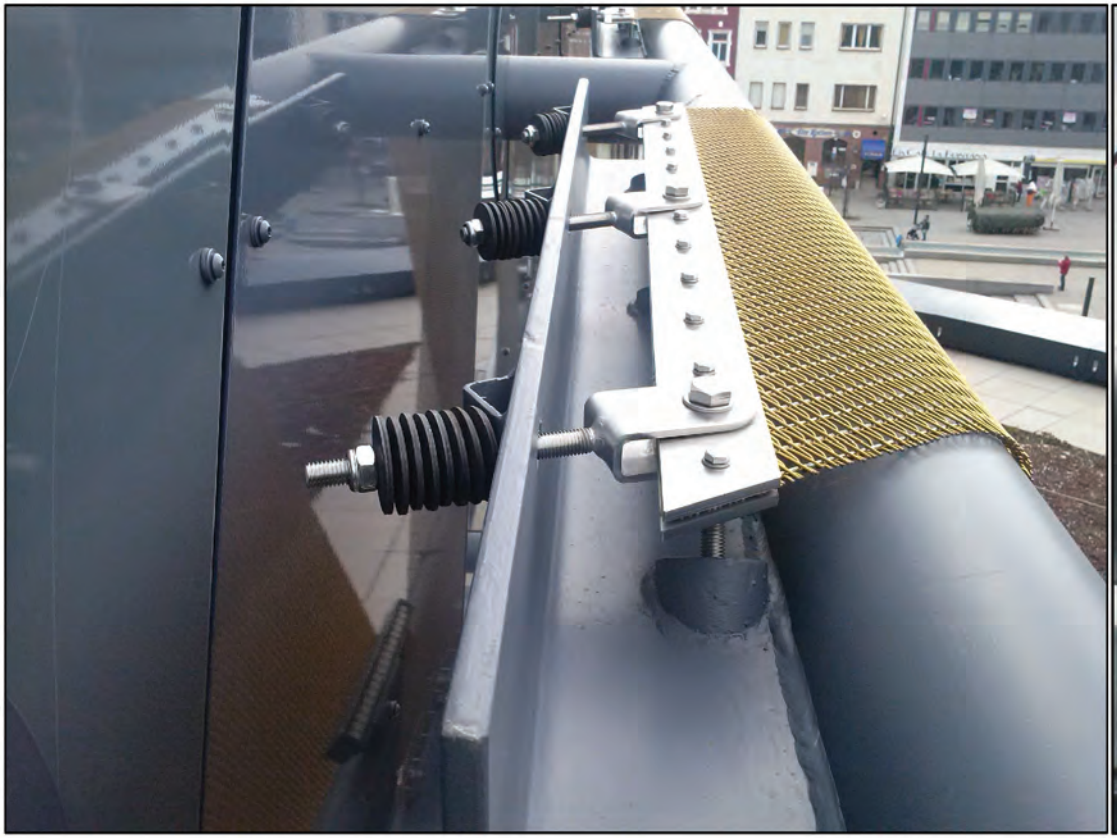
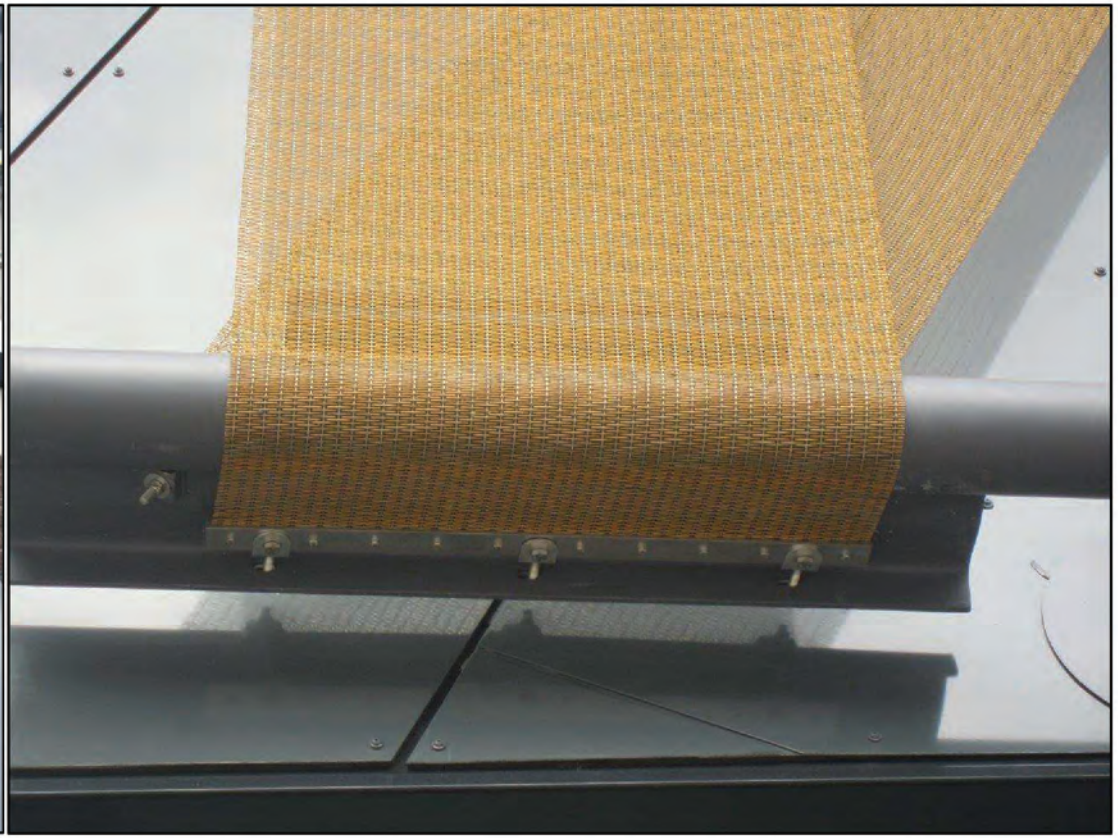
Project Example





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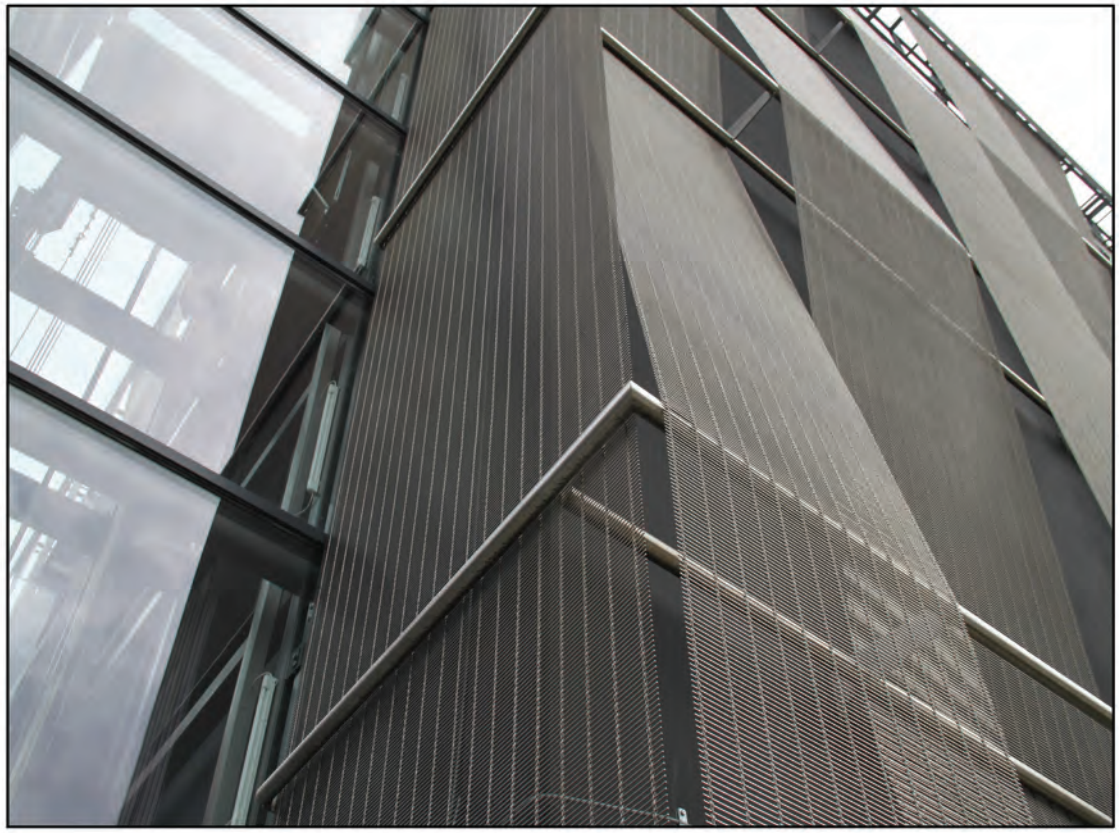
Project Example



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