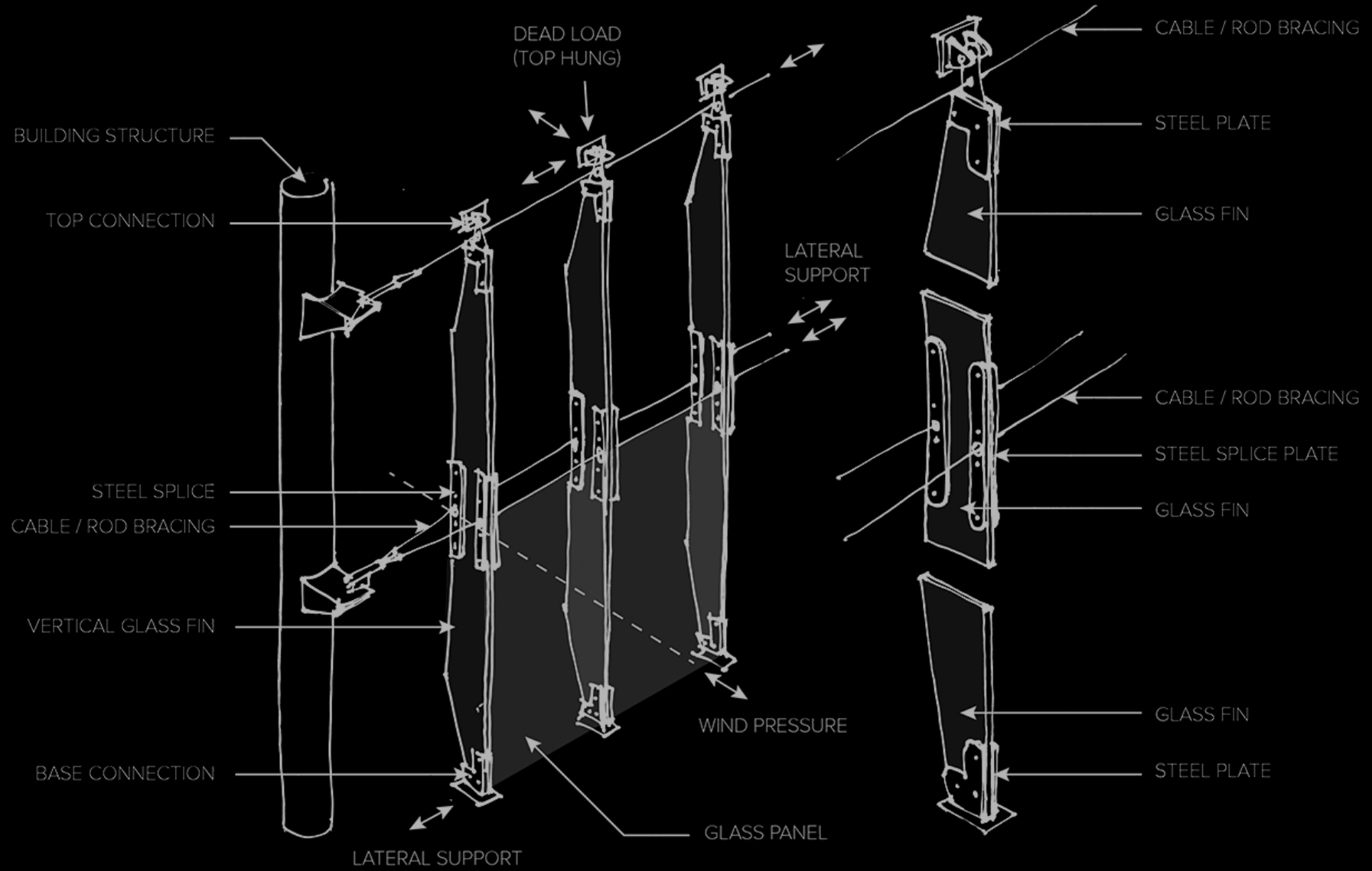




EXTERIOR WALL MATERIALS TYPES
- mimoza demiraj

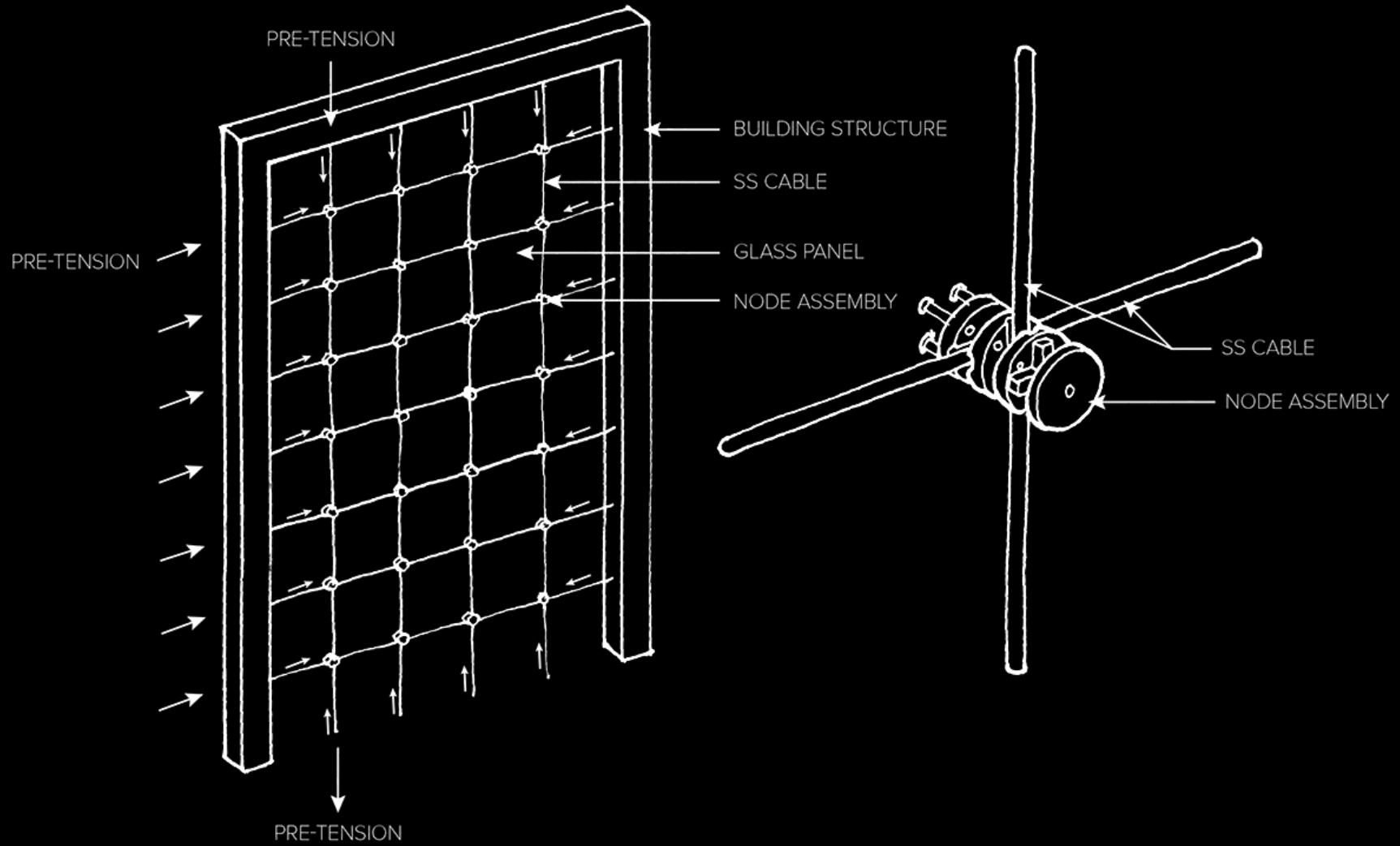


GLASS FIN WALLS



GLASS FIN WALLS

- Is a system that uses vertical, tempered glass mullions as a structural support.
- The glass fin system uses monolithic or laminated fully tempered glass fin as a means of support to transfer wind loading to structure. Various “moment” or “pin” type connections can be used to transfer loads to the structure in different ways.
- The combined weight of the façade and fins are hung from the structure for transfer of all loads. In this way, these facades can reach great heights without the concern for any progressive collapse if a lower fin or face glass had been broken.
- Façade glass joints are fully siliconed together to create a weather tight system allowing for poster system movement.
- Load fins to the ground up to 32 feet, and this is due to the possible buckling on the glass fins.
- The glass is tested to ensure they stand up to the toughest standards, such as: dynamic water, air, and seismic testing.

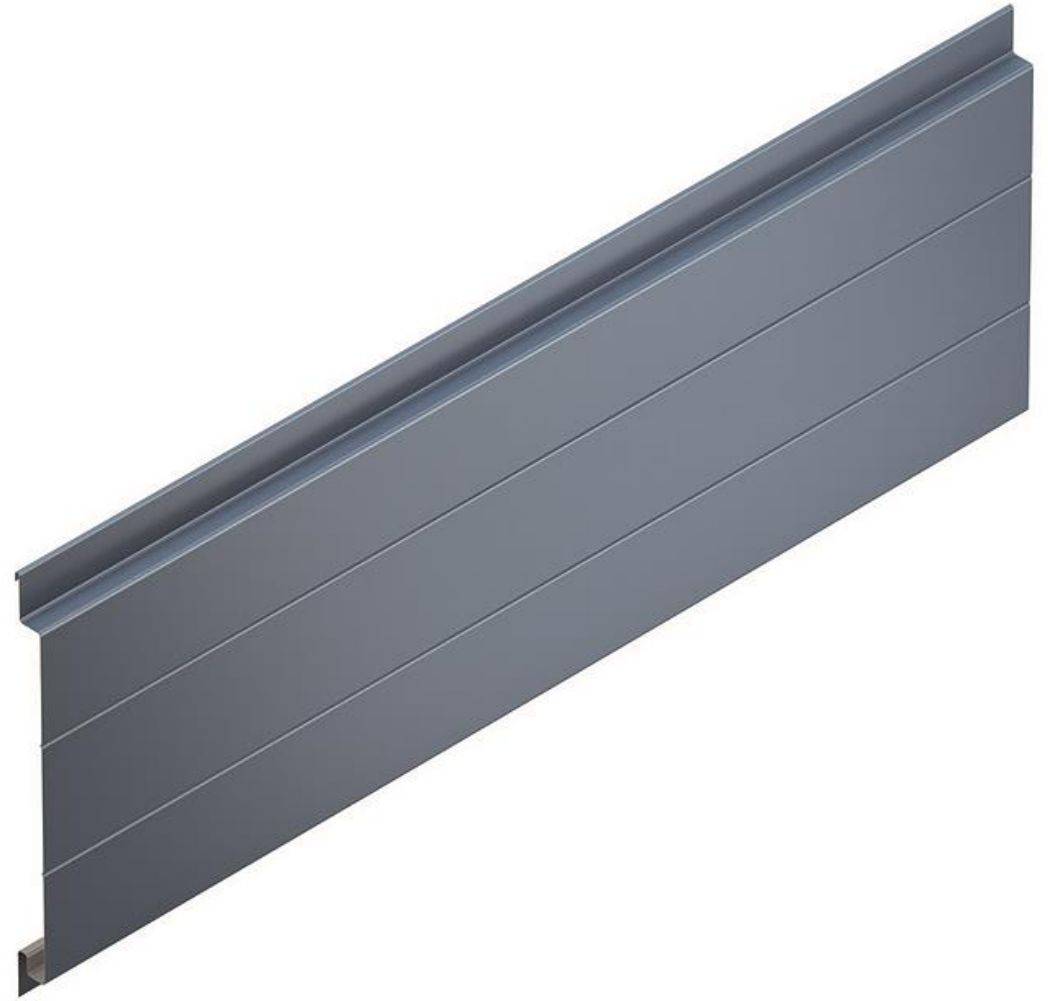


CABLE NET FACADE



CABLE NET FACADE

- Cable nets represent the ultimate in elegant minimalist structural systems and provide optimum transparency when the effect of a sheer glass membrane is desired.
- A surrounding frame is built with cables brought across it and those cables are pulled tight and locked in place.
- This system, often requiring large steel truss beams at the head and large embeds or steel at the base for tensioning off of. Also, when paired with Planar Integral or Intrafix fittings can be supplied without the use of any exterior bolt hardware creating an even cleaner look.
- Cables and fixings are often specified as stainless steel, resulting in highly durable, low maintenance glass walls.
- Cable prestress must be applied in the field via complex hydraulic jacking processes. Installation means and methods are a primary consideration for all cable structures.
- This enormous cable net utilizes bridge cables and spans approximately 300 feet.
- Double-curved cable nets are also achievable.



METAL CLADDING

METAL CLADDING

Use: Exterior metal cladding

Applications: Rainscreen wall panels, rear-ventilated facades, cladding, metal walls

Characteristics: Customizable finish, heavy gauge metal panels

Sizes: Panel Depth: 1" (25mm) | Cover Width: 12" (305mm) no reveal or 1" reveal option | Lengths: 5' (1.52m) to 15' (4.572m) standard. Shorter and longer lengths available

- Aluminum cladding is often installed as an alternative to weatherboard or vinyl cladding. It is relatively cheap but prone to damage.
- Metal cladding is installed by attaching interlocking horizontal or vertical panels to the exterior sheathing, or by wrapping the house frame in a sheet of metal.
- The advantages of metal cladding: affordable, easy to install, low maintenance.

RESOURCES:

<https://www.wvglass.com/pilkington-planar/>

<https://www.wvglass.com/?s=GLASS+FIN+WALLs++>

<https://www.wvglass.com/blog/post/what-are-cable-tension-facades/>

<http://www.enclos.com/service-and-technology/technology/structural-glass-facades/facade-structures/cable-net>

https://www.archdaily.com/catalog/us/products/16102/metal-cladding-primo-soffit-panel-morin-corp?ad_source=neufert&ad_medium=gallery&ad_name=close-gallery

<https://www.hendrickcorp.com/architectural/products/arch-cladding/>