

**MATERIAL PALETTE**

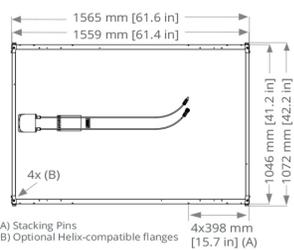


**Solar Panels**

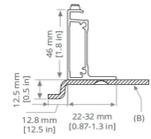
SunPower® X-Series  
Commercial Solar Panels  
| X22-360-COM

Nominal Power: 360W  
Avg Panel Efficiency:  
22.2%

Solar Cells: 96  
Monocrystalline  
Maxeon Gen III



**FRAME PROFILE**



Source: SunPower®  
<http://us.sunpower.com/sites/sunpower/files/media-library/data-sheets/ds-x22-series-360-commercial-solar-panels-helix-compatible.pdf>

**Wind Turbines**

EddyGT Wind Turbines  
Vertical Axis  
Urban Green Energy



Source: Inhabitat  
<http://inhabitat.com/eddy-gt-wind-turbine-is-sleek-silent-and-designed-for-the-city/wind-turbine-eddy-gt/>

Height: 2.7m  
Width: 1.8 m  
Material: Carbon Fiber and Fiberglass  
Cut-in Wind Speed: 3m/s  
Cut-out Wind Speed: 30 m/s  
Annual Energy at 5 m/s: 1250 kWh

Source: Urban Green Energy  
[http://urbangreentechnology.com/data/brochure/gt/eddyGT\\_Specs.pdf](http://urbangreentechnology.com/data/brochure/gt/eddyGT_Specs.pdf)

**Stainless Steel Reflective Finish**

Reflective Stainless Steel Sheets used to cover the structural pillars



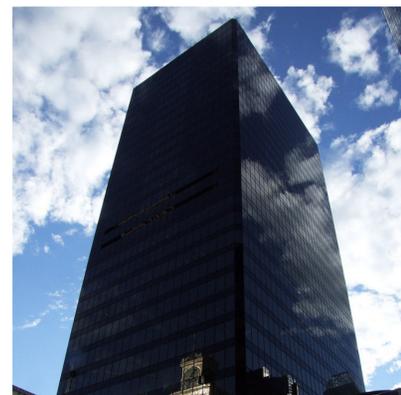
Source: <http://www.trendir.com/house-design/mirrored-cabin-reflects-landscape-as-it-materializes-in-and-out-of-view.html>

Inspirational Picture for the Structural pillars of the installation. The pillars reflect the surrounding landscape and each other, creating a multidimensional intriguing visual effect.

Source: <http://www.trendir.com/house-design/mirrored-cabin-reflects-landscape-as-it-materializes-in-and-out-of-view.html>

**Black Glass Curtain Wall**

Reflective Stainless Steel Sheets used to cover the structural pillars.



Source: [https://www.flickr.com/photos/uncle\\_buddha/4766528832](https://www.flickr.com/photos/uncle_buddha/4766528832)

Inspirational Picture for the art installation, reflecting contemporary building trends. Black Glass Curtain Wall is specifically used throughout the installation wherever solar panels are not efficient.

**Tetra® Contour LED Lighting System**

LED light system installed within the space frame structure to highlight the installation during night time.



Source: <http://www.gelighting.com/LightingWeb/na/solutions/indoor-lighting/tetra-contour-architectural.jsp>

**SeaWater Pump**

Mounted on the truss structure above water level. The pump takes water up to the jets to release the water through the 'leaks'.  
Flow rate approx: 100L/min



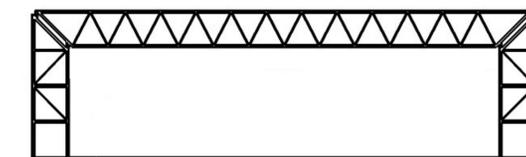
**Truss**

Truss to create the structure of the space frame that holds the installation together.



Source: [http://www.ac-et.com/rigging/products/truss\\_and\\_structures/rectangular\\_truss\\_377/LIR1105200A.asp](http://www.ac-et.com/rigging/products/truss_and_structures/rectangular_truss_377/LIR1105200A.asp)

Source: <http://www.arch.tu.edu/courses/2013/fall/3501/Students/Janssen/04/Default.htm>



Structural Detail of the 'pipelines' is similar. The solar panels, glass and lights are mounted on the truss structure.