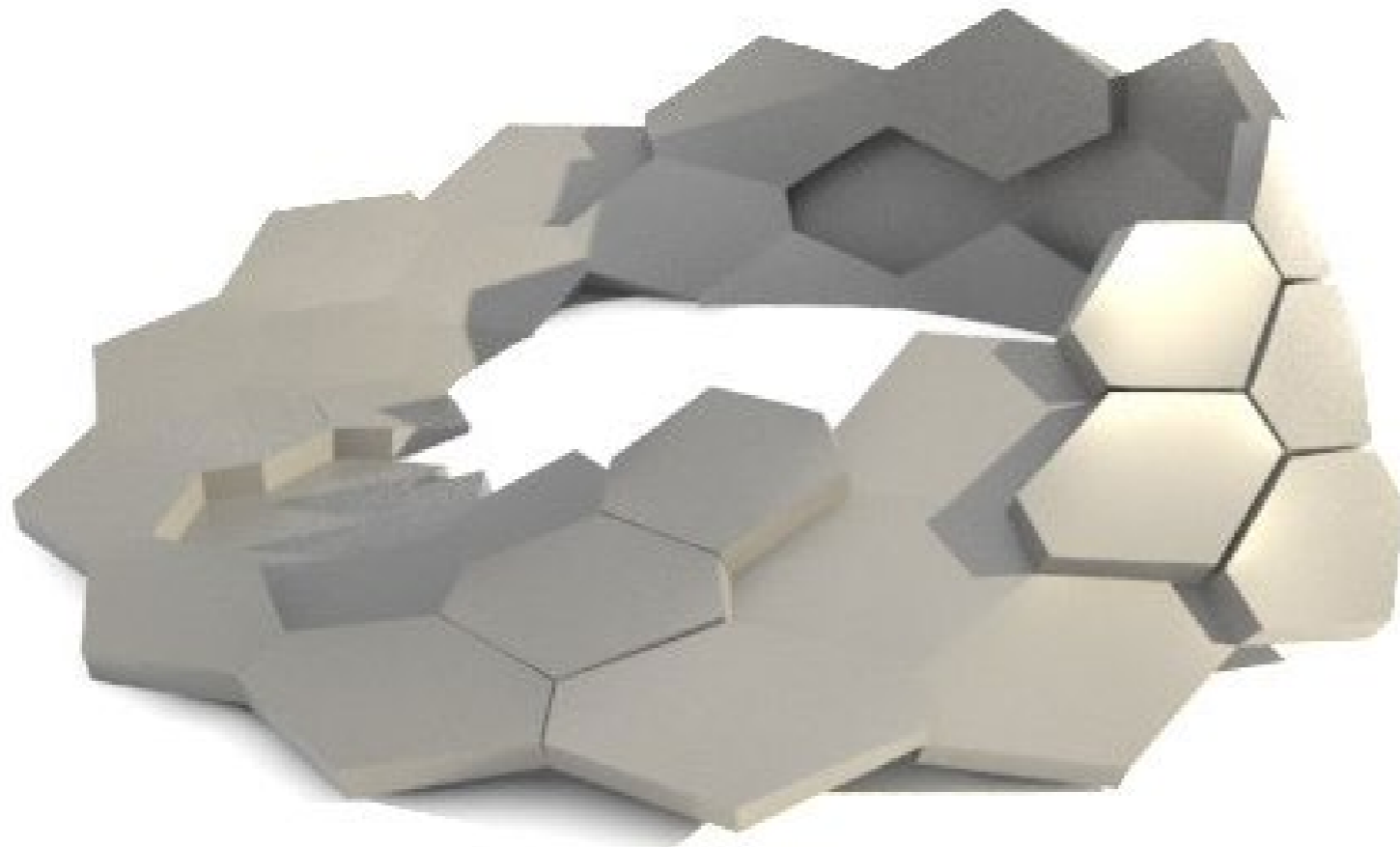


Design Informatics

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double mobius pavillion



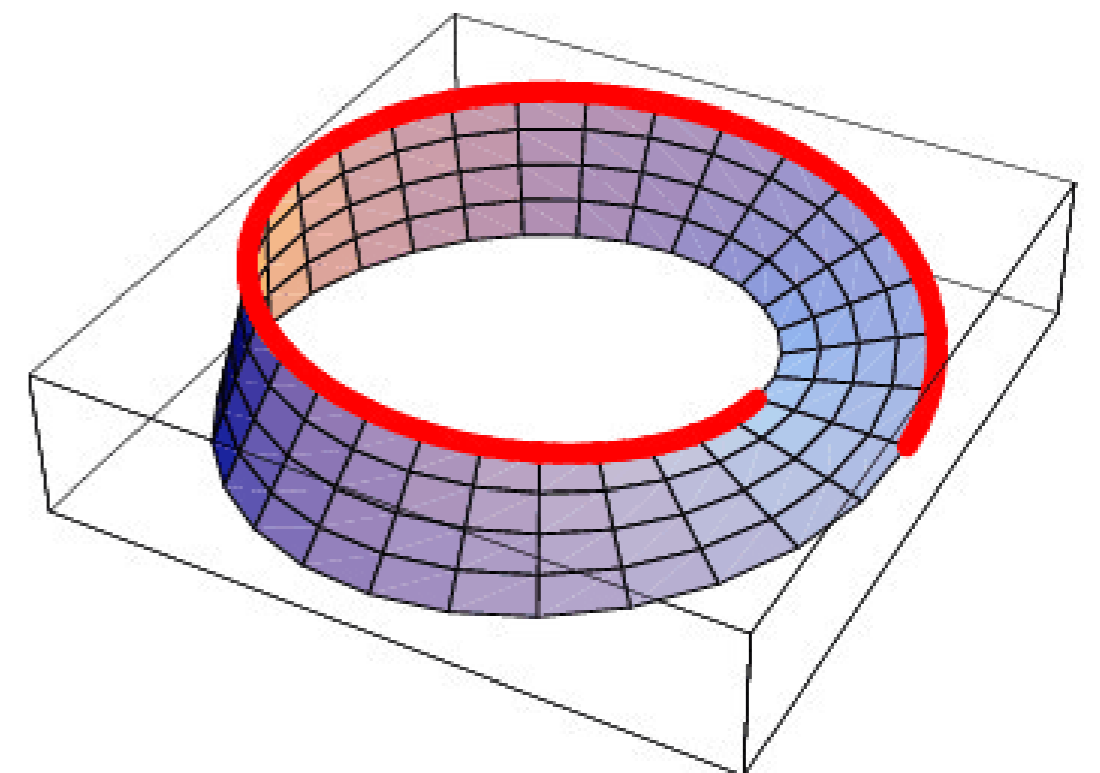
The main concept of the pavillion is one of a mobius strip evolving through space to create a large piece of urban furniture.

The form is used as a stripe twisting in space, to create different qualities in a small space, sun protection, bigger and smaller seats

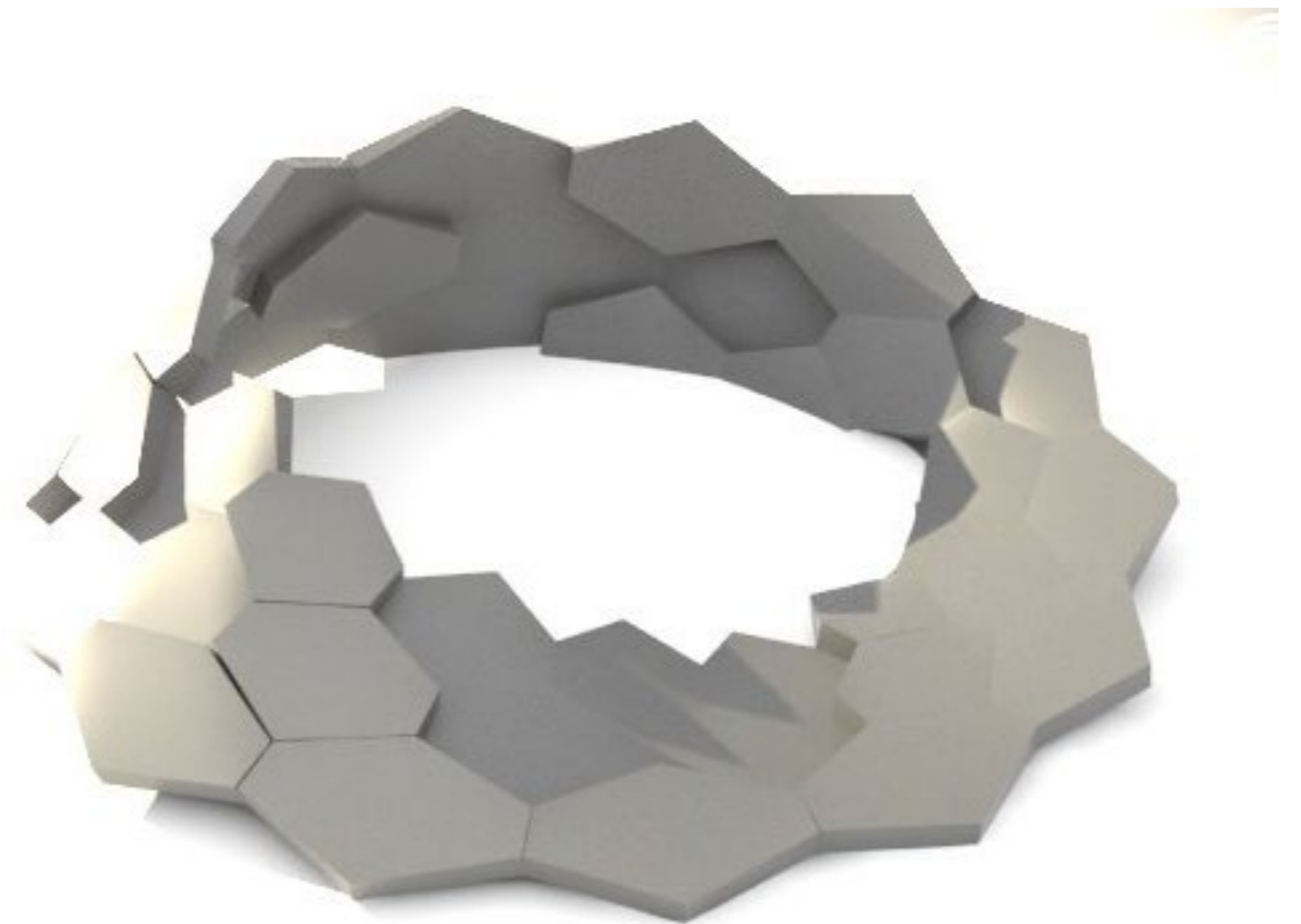
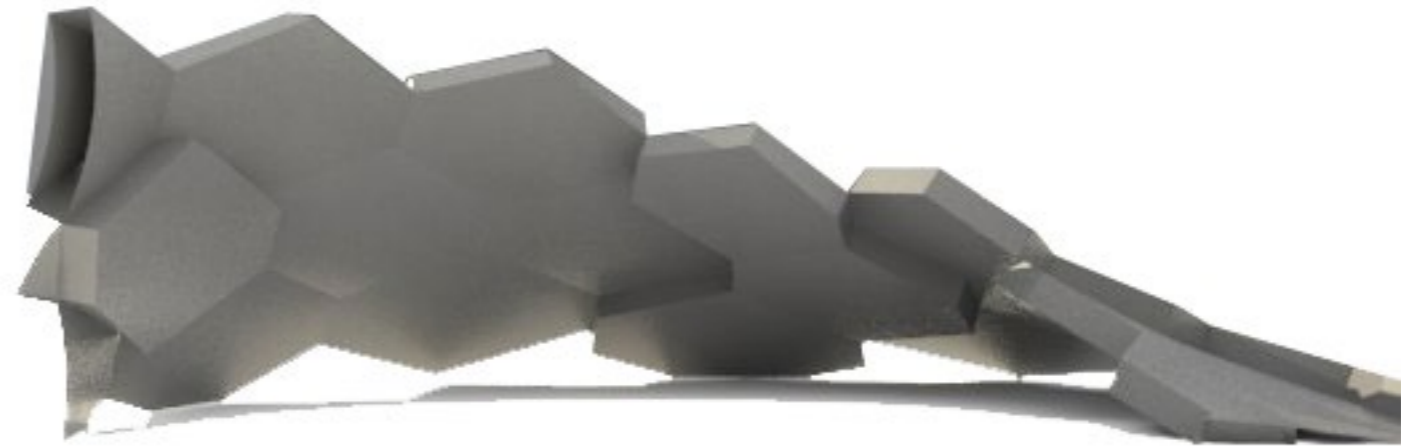
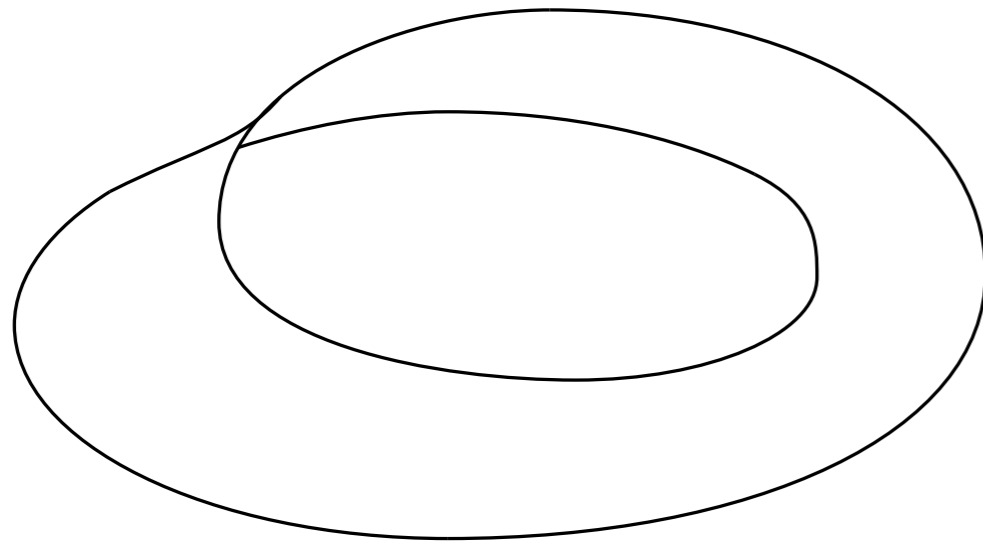
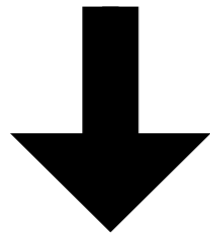
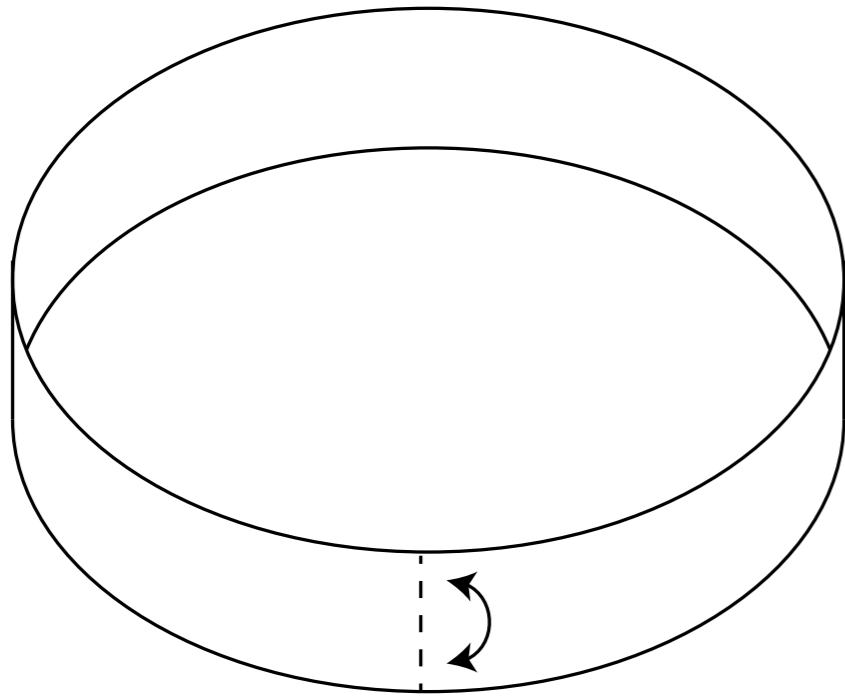
A mobius strip is a one-sided surface known in topology for its resulting non-orientation. There is no external and internal surface and if a path is followed on the surface it is never ending.

As a shape, it can be easily produced when twisting one edge of a strip by 180 degrees and then putting the edges back together again.

Due to the optical illusion that it creates it provides with a very interesting way of creating space, where the inside becomes the outside and vice-versa.

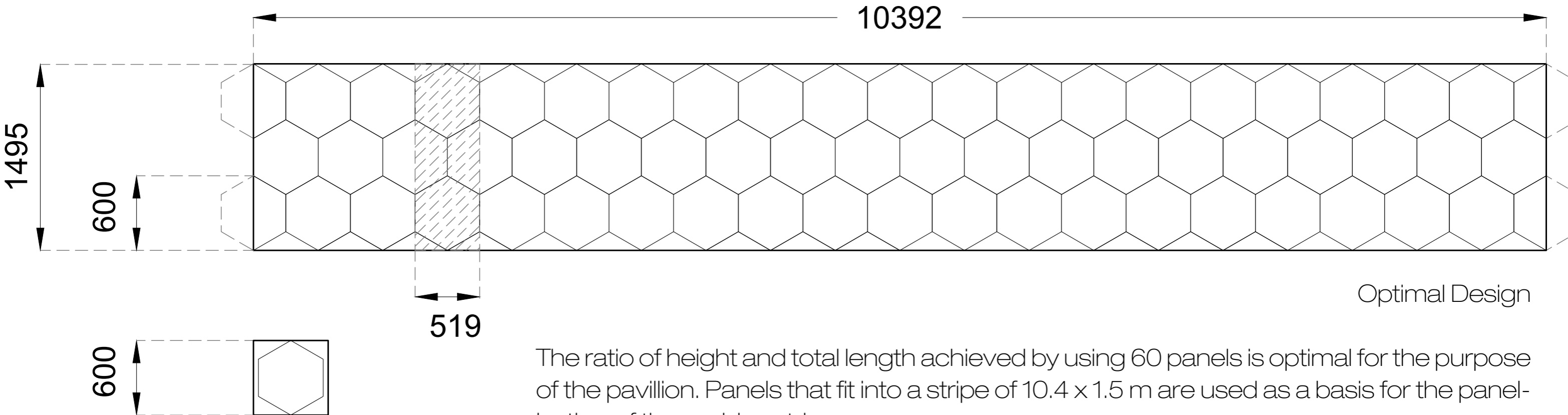
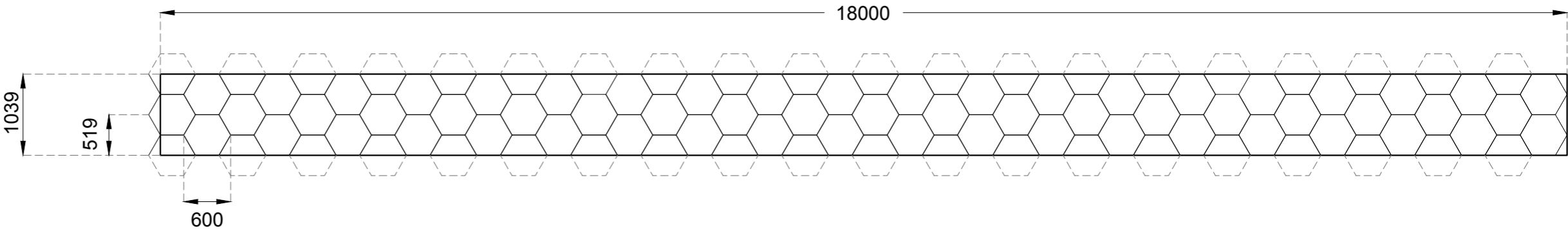
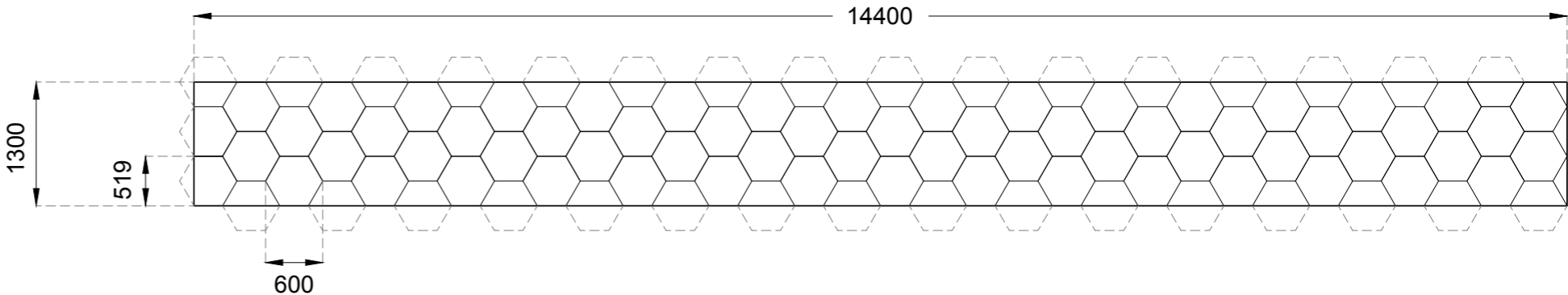


Design concept



Panelization patterns

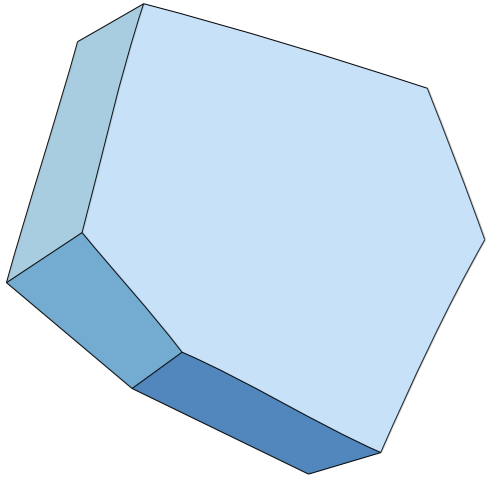
A hexagonal pattern was used for the panels as it is a very efficient way of achieving an interesting and repeating visual result. At the same time it is not interfering with the continuity of the surface, which is essential in the concept of a mobius strip.



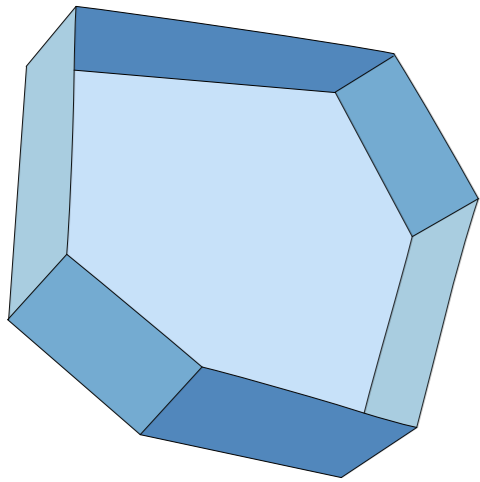
The ratio of height and total length achieved by using 60 panels is optimal for the purpose of the pavillion. Panels that fit into a stripe of 10.4 x 1.5 m are used as a basis for the panelization of the mobius strip.

3 types of panels

1. - Outer panel



2. - Inner panel



3. - No panel

