



SolarShade

Our final work is named SolarShade. Our multi-functional installation can be used for two utilities. It can be used as a simple sunshade or as an energy producer. The shelter is made from solar panels and six buttresses. Three of the buttresses in the back of the structure have adjustable lengths. The structure utilizes the Stewart-Gough principle to stay stable.



Inspiring and planning in Energy Garage



One of the ideas to change distance with strings

SolarShade is supposed to be a luxurious and ecological replacement for the traditional sunshades. The structure is about 4 meters tall and 3 meters wide. The structure contains 8 solar panels (576 solar cells). A single solar cell can produce $\frac{1}{2}$ of a volt, so the total energy output of our structure is 288 volts.

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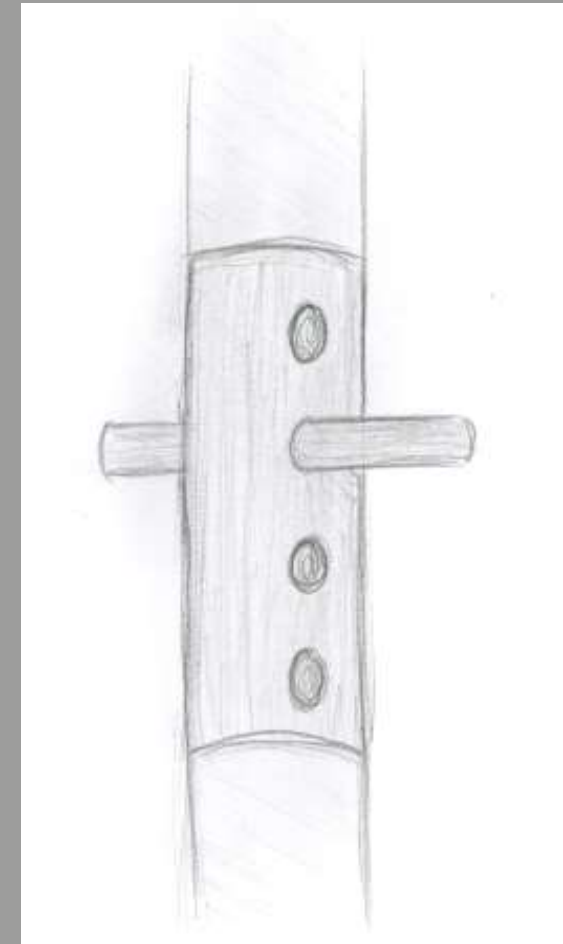
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Draft of our plan



Idea of the movent