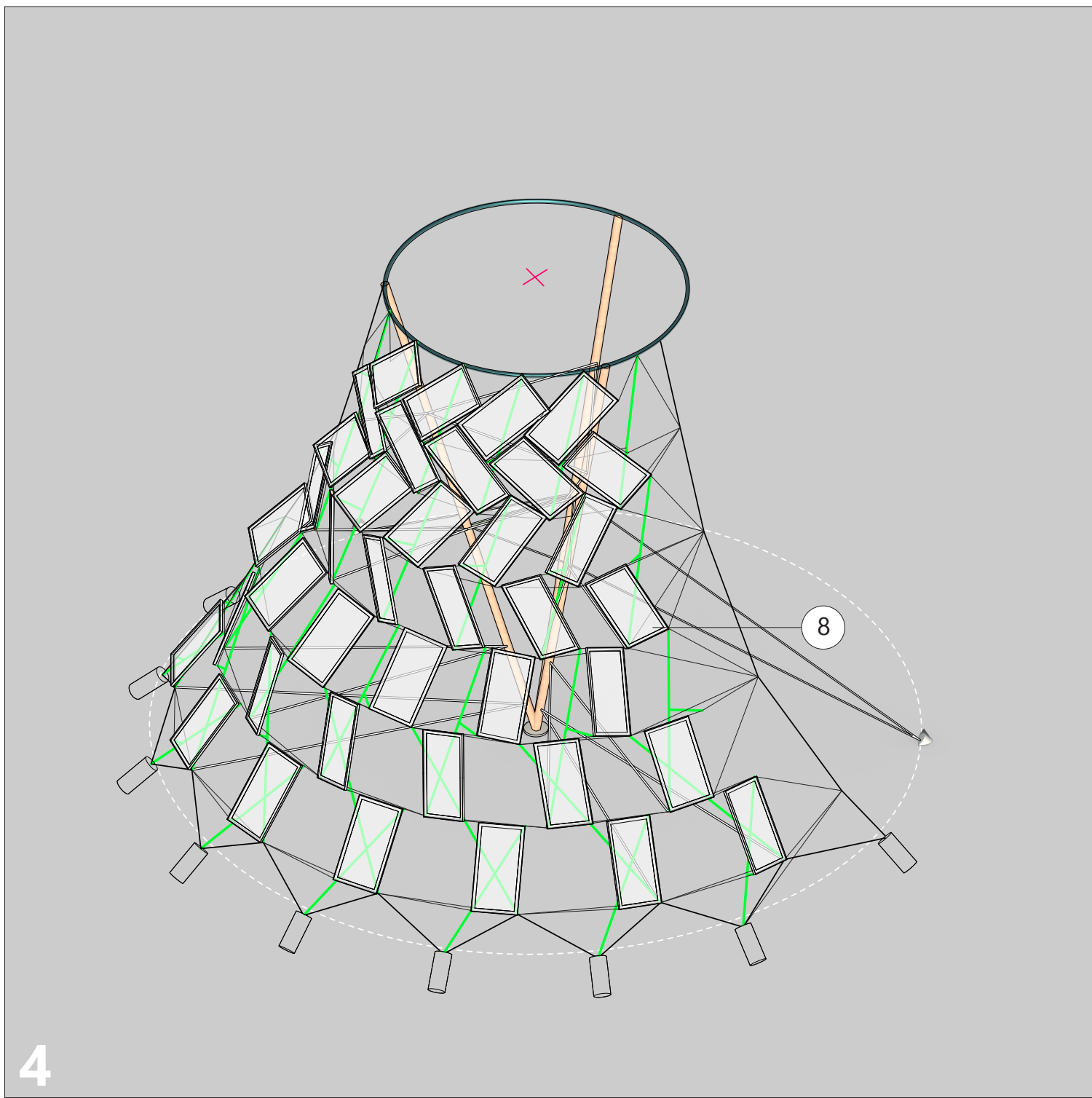
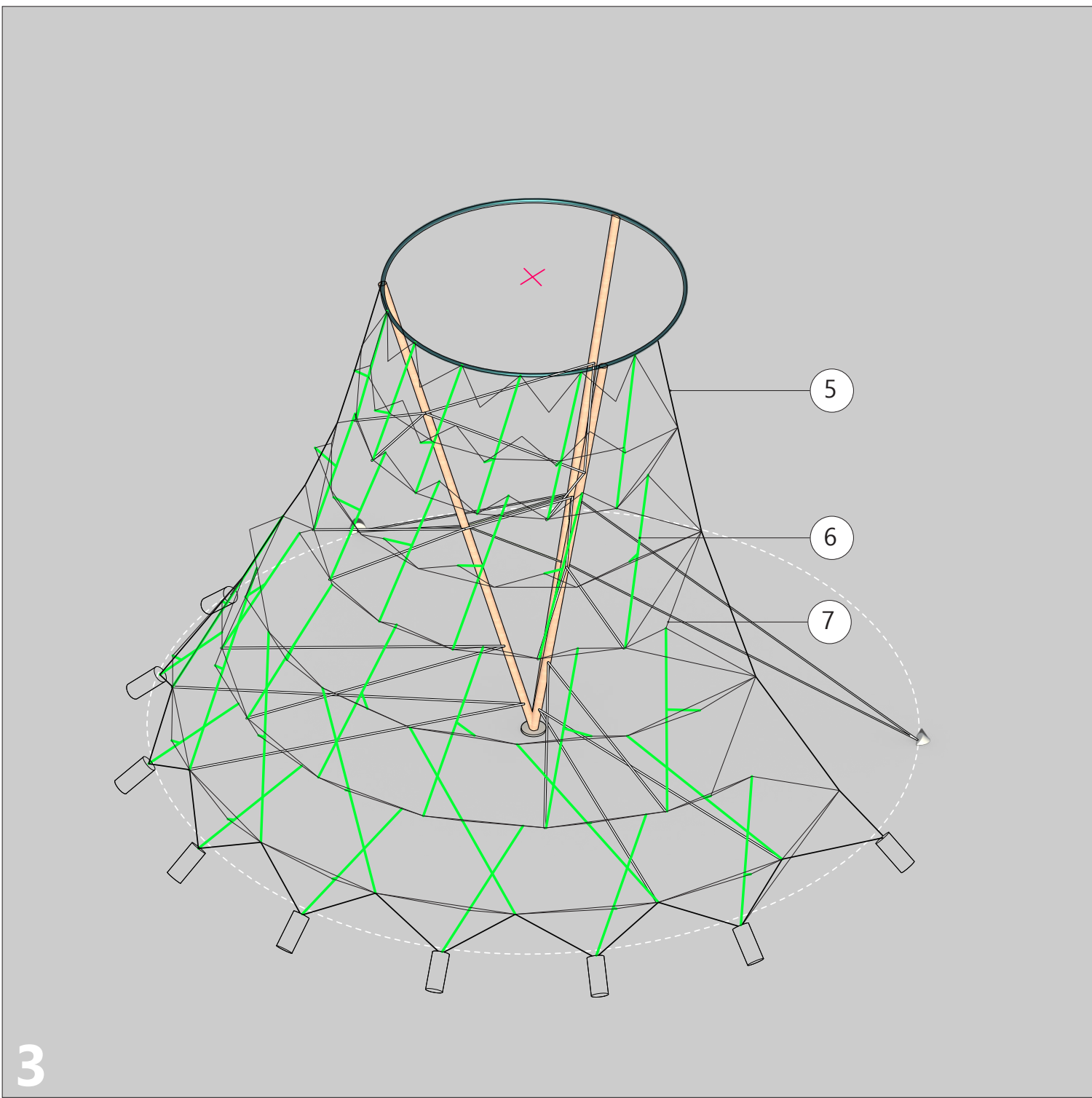
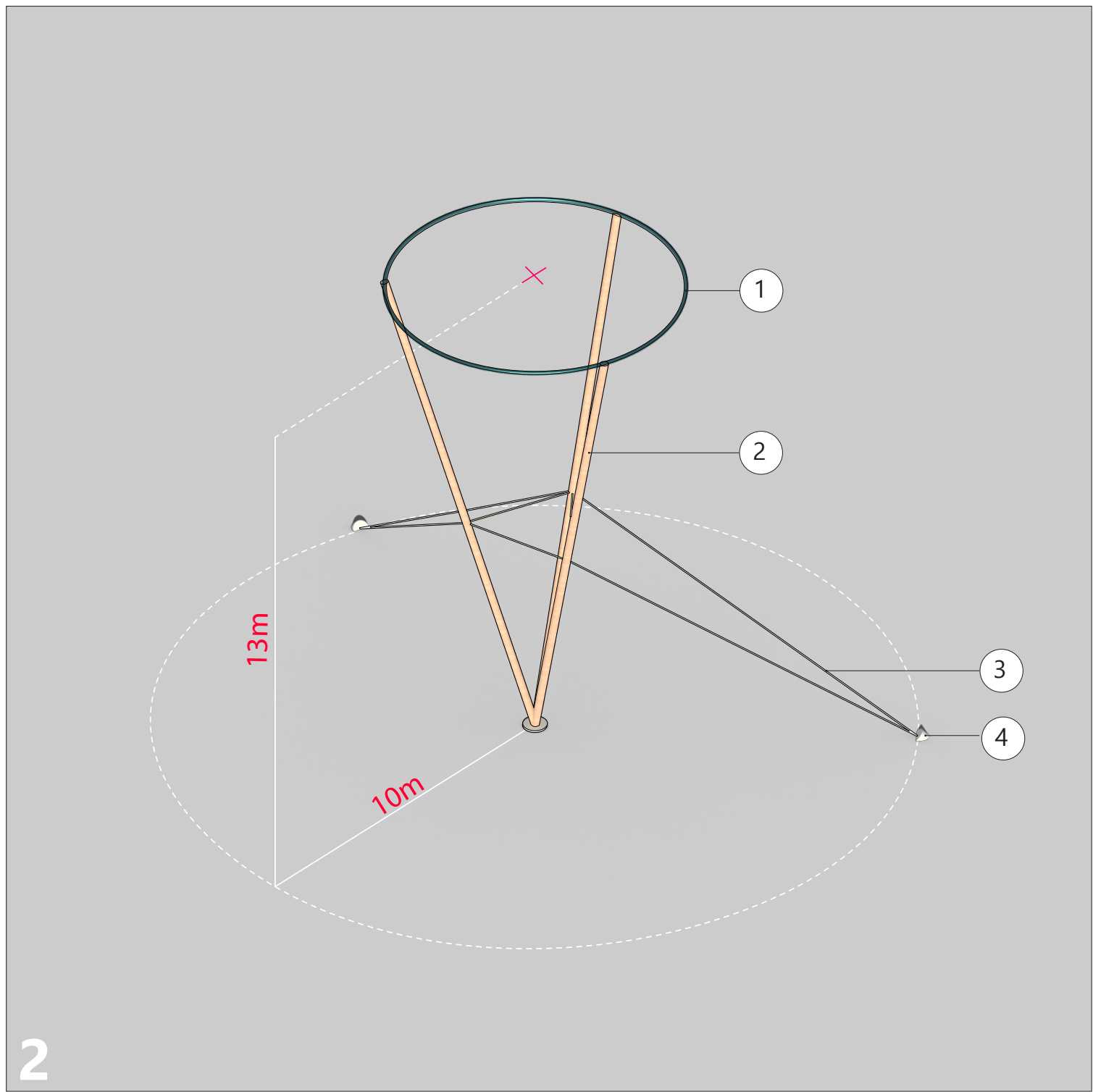
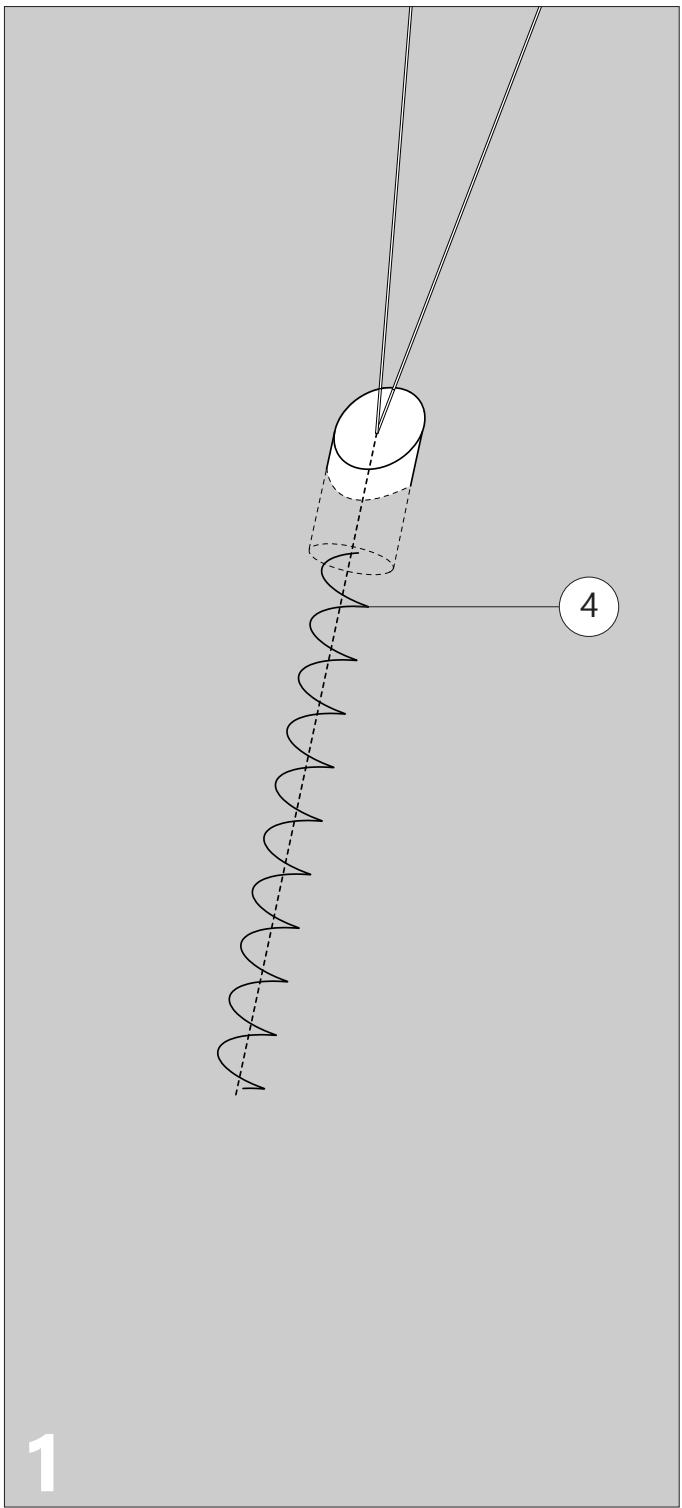
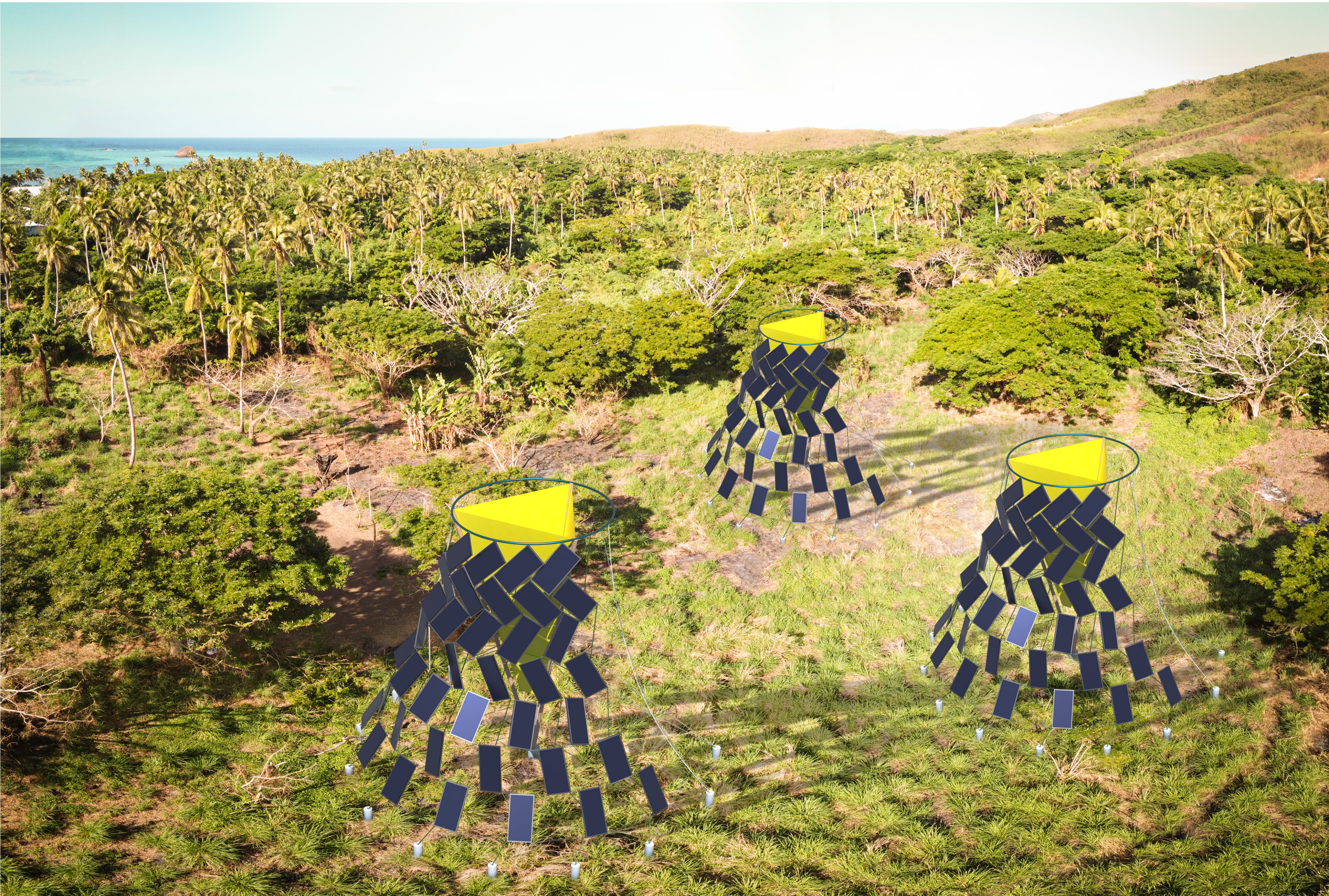


(Above) Site Plan with 4 initially proposed towers. Towers are spaced to prevent shade from falling on adjacent towers.
Site can accommodate additional towers if necessary.

(Right) The tower footings can easily adjust to variations in topography. Towers are 13m to 14m tall depending on the conditions of the ground and portions could be seen from offshore.

(Below) The Towers are erected in stages. The first stage requires the insertion of helical piles. These can be installed using power drills. This is followed by the raising of three wood columns which are secured to the piles with steel guy wires. Once the primary tower is secured the remaining rigging and rigid supports can be attached and tensioned. Aluminum frames are then secured to the rigging and the Photo-voltaic Panels and supporting electrical equipment are installed.

(Right Opposite) One of the 4 towers can accomodate a climbing structure for children. The materials used for the tower rigging can also be used for this purpose and could be a productive use of any remaining materials.



Notes:

1. Aluminum Ring
2. Wood Piles (locally sourced)
3. Steel Guy-Wires. Anchored to concrete-footings.
4. Helical Pile (Can be installed with power-drill)
5. Steel Guy-Wires. Anchored to concrete-footings.
6. Aluminum Compression Tubes
7. Polyester Marine Rope (Salt and UV resistant)
8. Photo-Voltaic Panel (2000mm x 990m, 500W), Aluminum Frame
9. Concrete Footing and Guy Wire Anchor
10. Aluminum Frame connection to Polyester Marine Rope.
11. Water Collection Vessel
12. (Optional) Children's Climbing and Play Structure
13. Examples of Polyester Marine Rope used in playground structures and the tension elements of the proposed towers.