

Sky meter

Wuxiang Mountain Gates

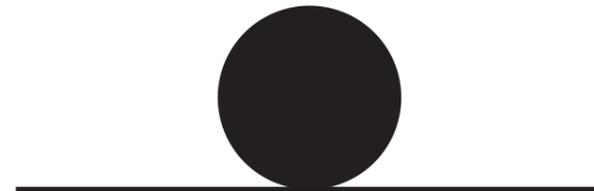
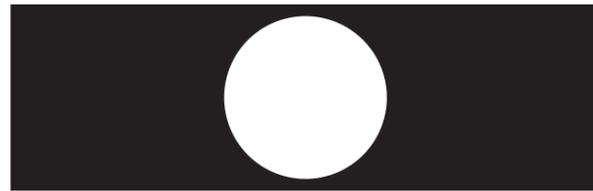
The configuration of Wuxiang Mountain forest park Guoxing Manor sites 3 and 20, encourages the visitors to discover the garden gradually, appreciating the different scenes while wandering through them. In traditional Chinese gardens the perception of the scenes is usually enhanced by enclosures surrounded by white walls. These open sky rooms frame the different areas generating more intimate settings. The moon gates open connections between these spaces and are an iconic symbol of the traditional Chinese Gardens and culture.

Sky meter - Wuxian Mountain farm gates are envisioned as landmarks and provide rhythm a to the vast space of the garden. The gates are a visual reference to connect the overall scale of the forest park to the human scale and to help the orientation of the visitors walking through the park. **Sky meter** establishes a visual relationship between the flower farm and the prominent celestial space that lies above it as well as between sky and earth as a whole. It strives to measure something incommensurable for the human understanding.

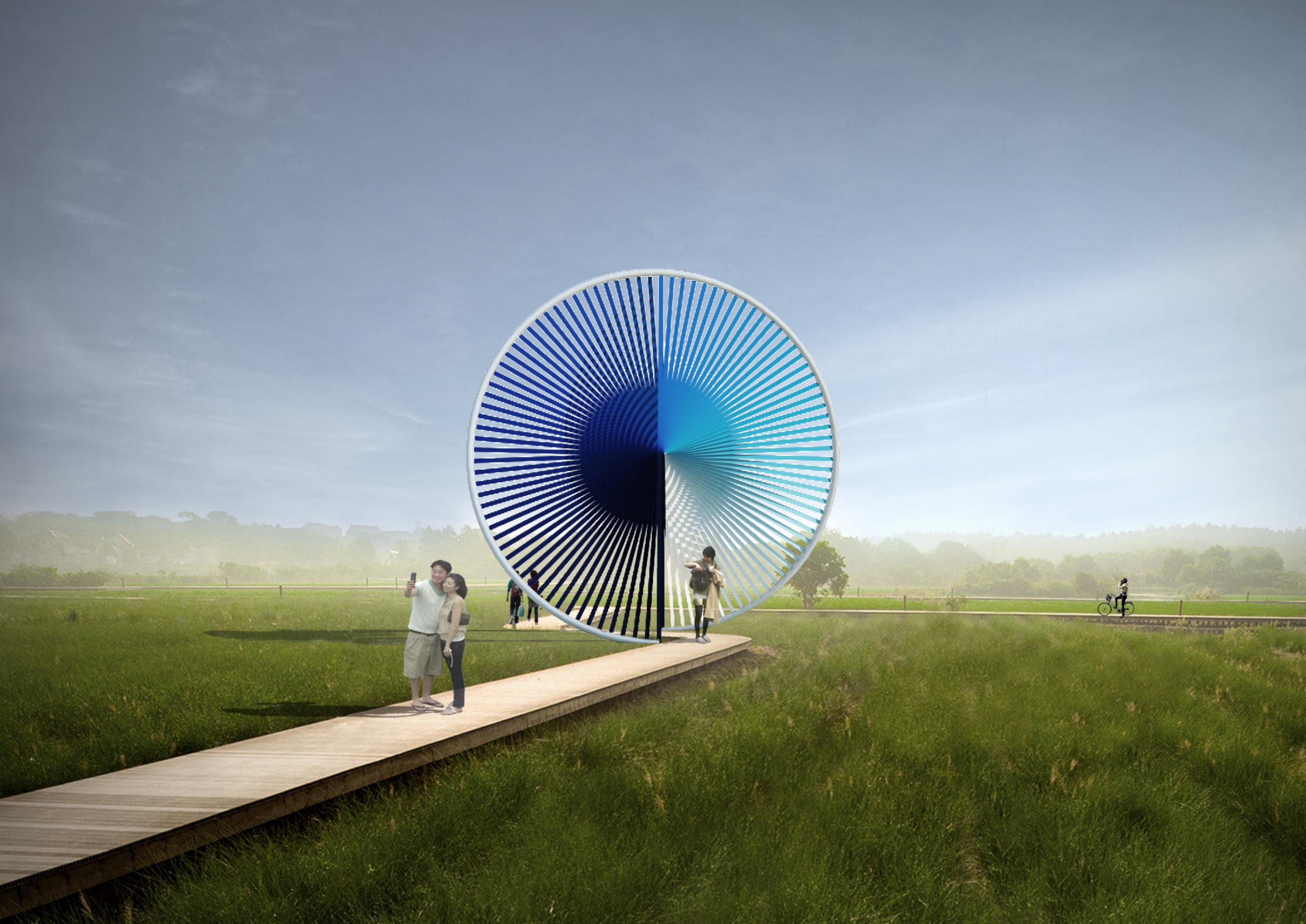


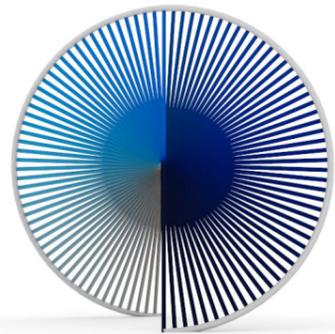
Drawing inspiration from the iconic Moon Gates, the five gates appear like upright solid circles from certain viewpoints.

The gates of Sky meter are disseminated along the paths and reinterpret both the significance of the Moon Gates and the function of the walls.

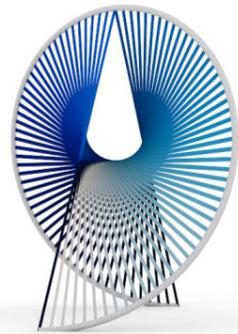


The shape of sculptures plays with the traditional image of the wall with a circular opening by inverting the familiar relationship between solid and void.

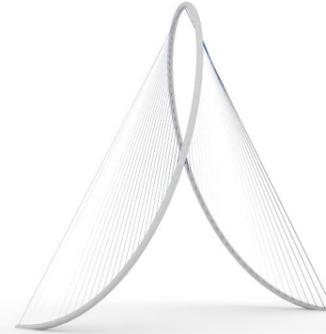




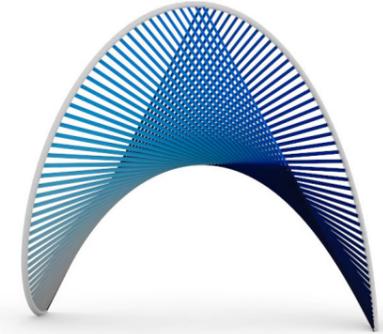
A - Upright circular sculpture



B - Helix with entwined ends



C - Ethereal/invisible

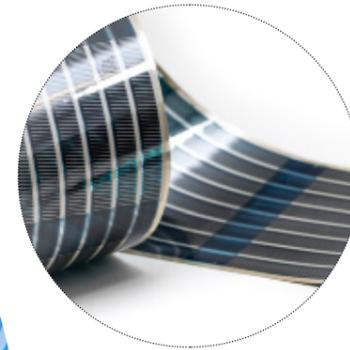


D - Gate

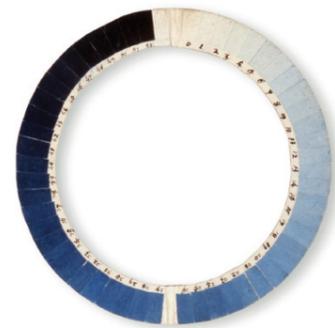
Observing the gates while walking the different paths the viewer experiences them gradually unfolding and dematerializing. Only upon further approaching they start manifesting as gates while dynamically framing the scenery around them. The sculptural installations are designed to be in harmony with the existing garden while introducing a new recognizable identity.



Chinese fan



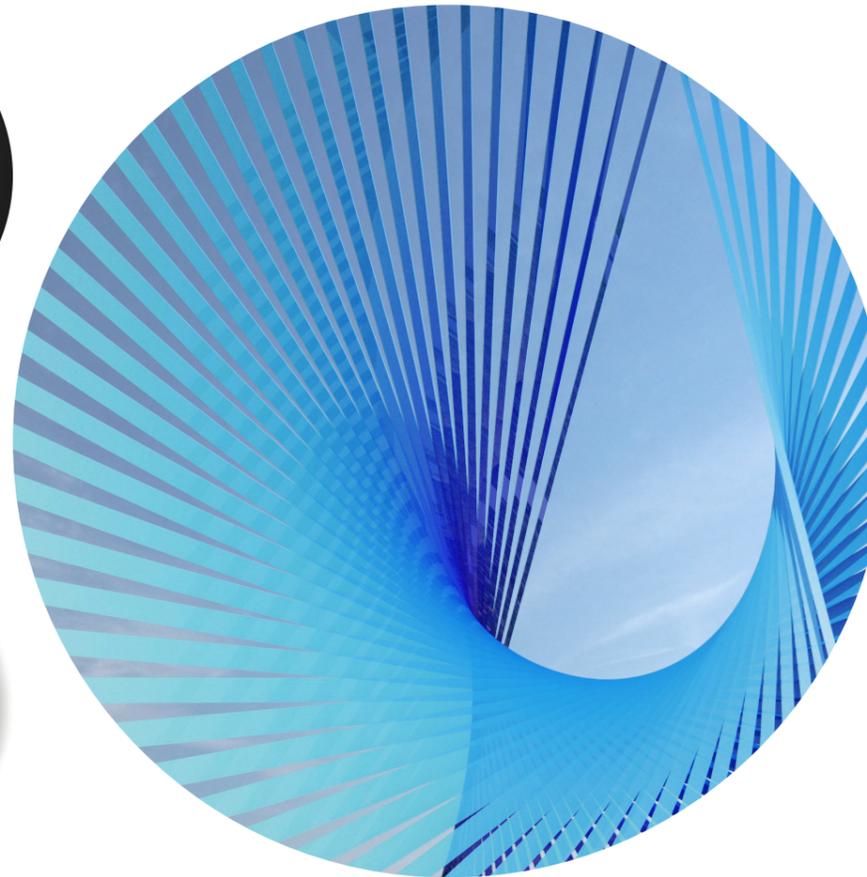
Flexible PV cell



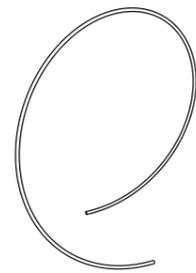
Cyanometer



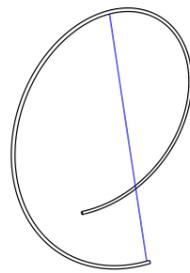
Blooming flower geometry



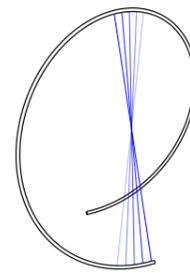
The colors chosen for the sculptures contribute to emphasize their connection to the sky, the ribbons are hued in different shades of blue and reference the Cyanometer, an instrument for measuring the blueness of the sky. **Sky meter** is built out of sustainable materials and could potentially integrate flexible PV cells to generate renewable energy to be used in the park.



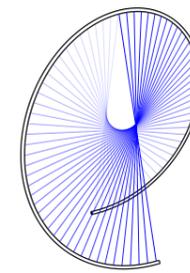
A. Standard steel pipe
coiled into a helix



B. Ribbon from one end to
the middle of the helix

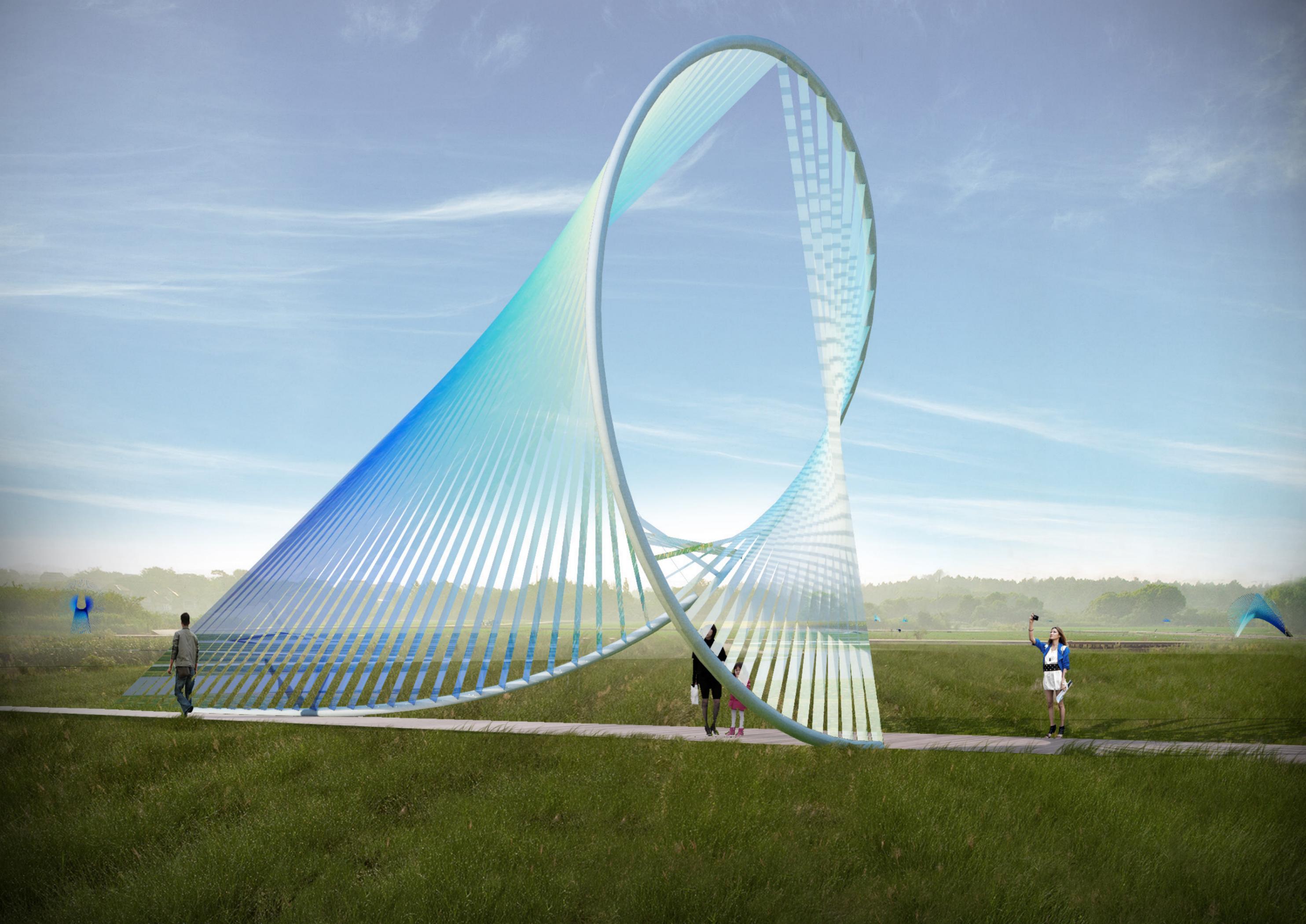


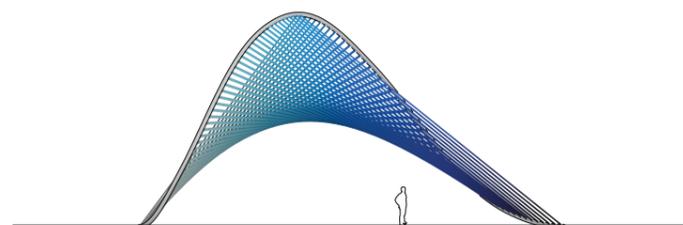
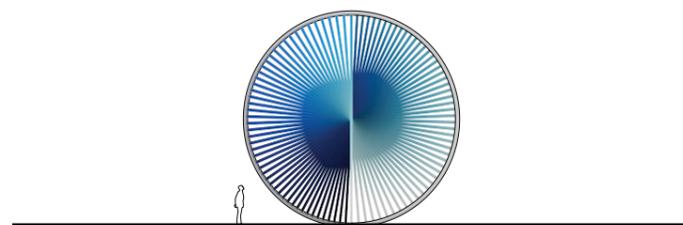
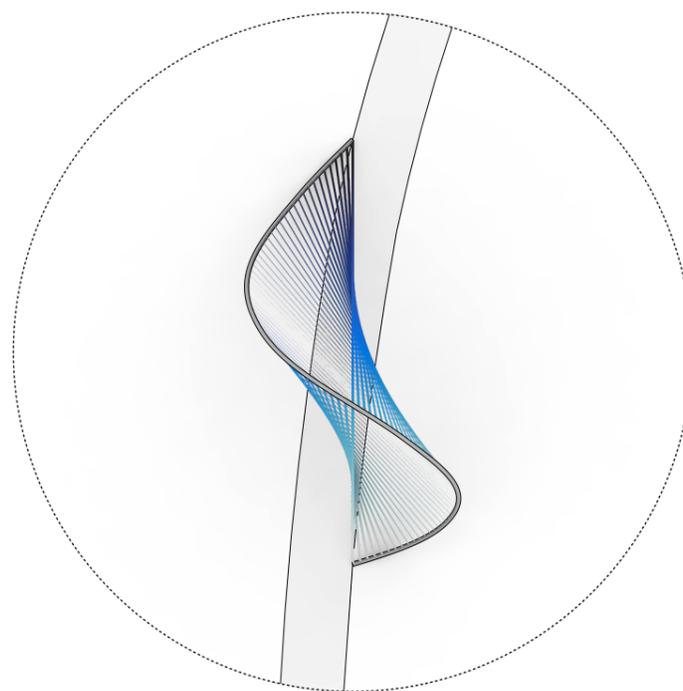
3. Different ribbons are arranged
around the center of the helix



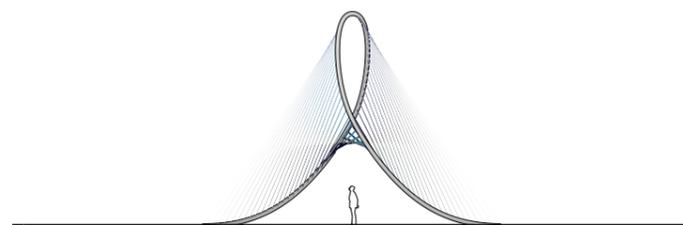
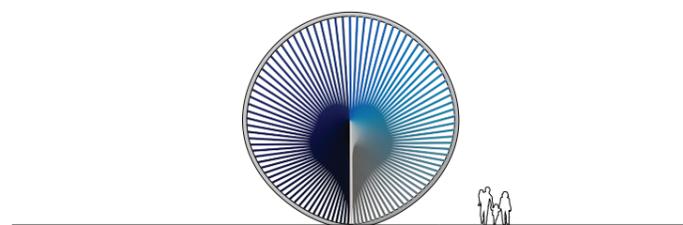
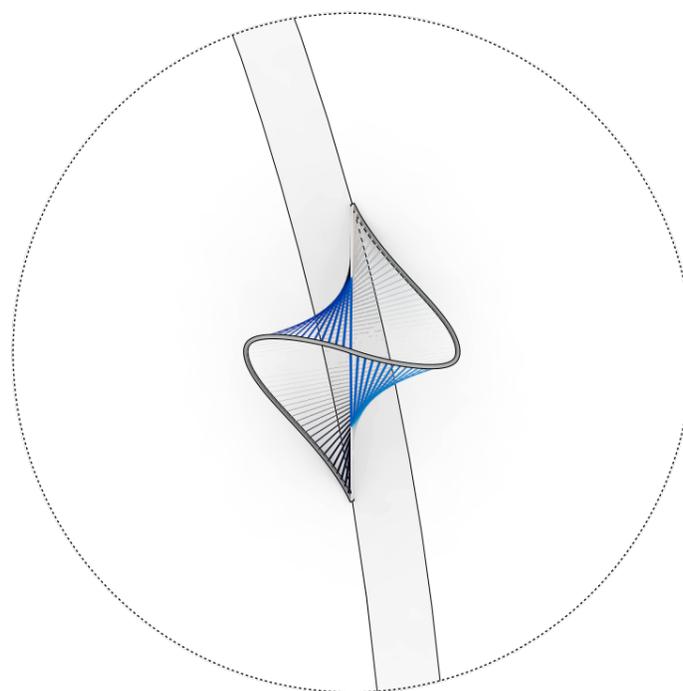
D. One complete turn
defines the final shape

The five unique sculptures are developed from the same system. Arranged on helicoidal support structures, the tensile ribbons describe ruled surfaces of different shapes and sizes. The helicoidal structure is also a reference to the shape of some flowers blossoming. The sculptures use Anamorphosis, a technique in which a shape is identifiable only from one specific point of view while from all the other standpoints it is perceived as an organic free-form.

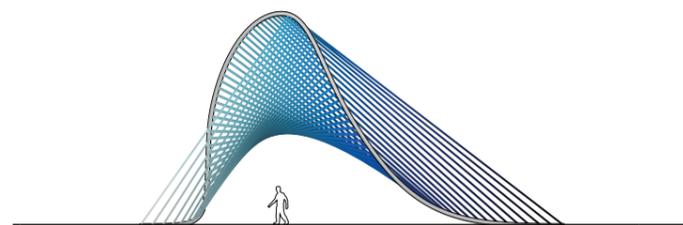
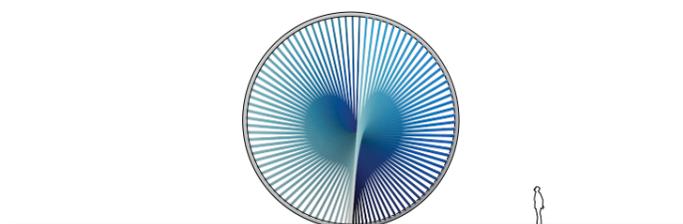
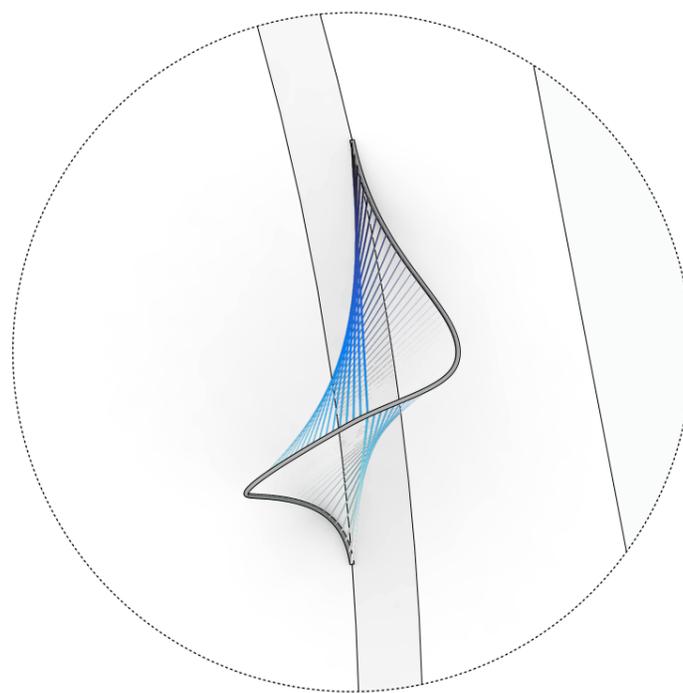




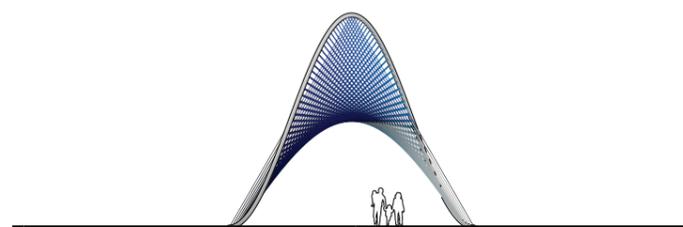
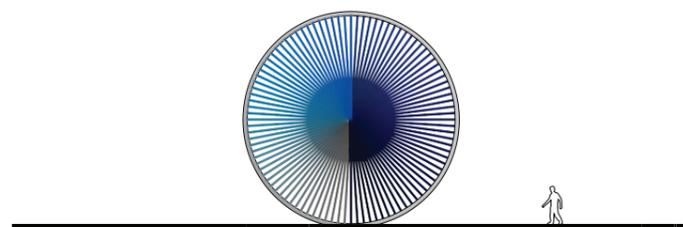
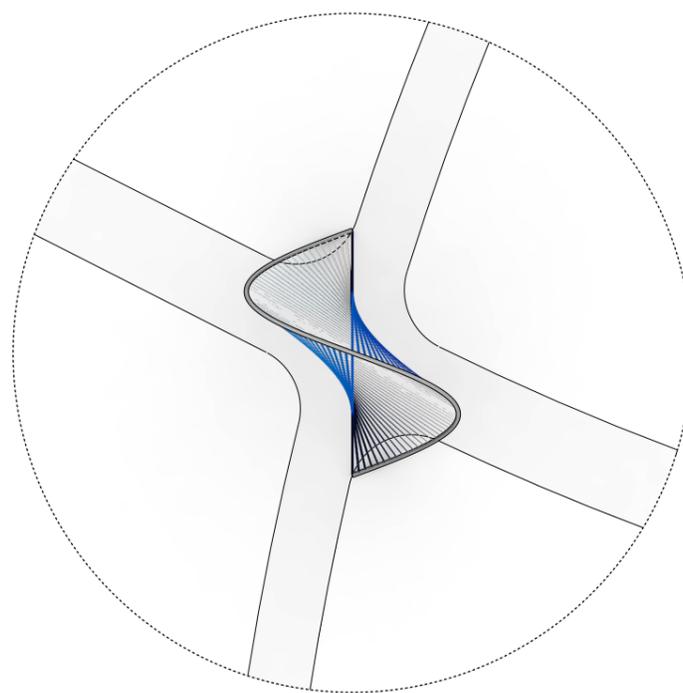
Gate 1



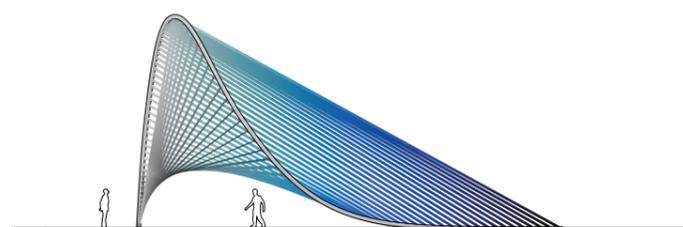
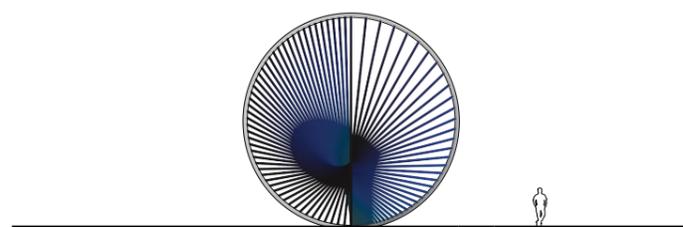
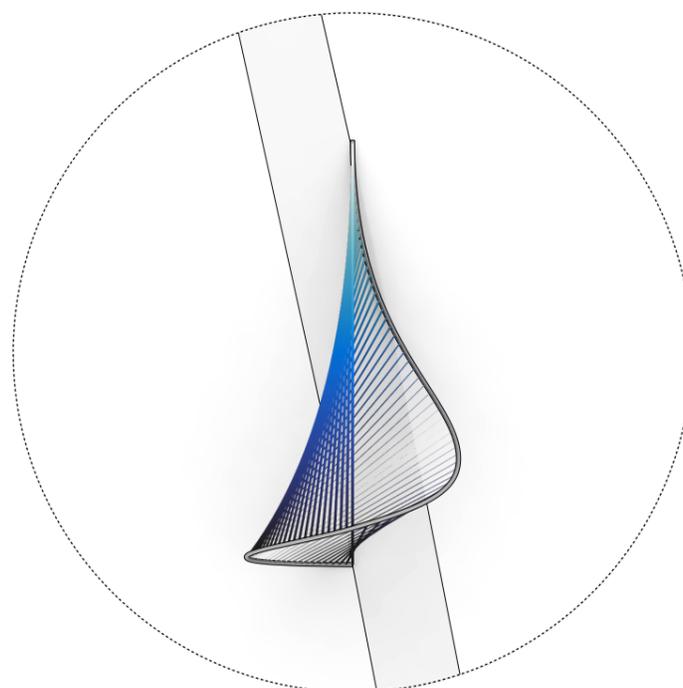
Gate 2



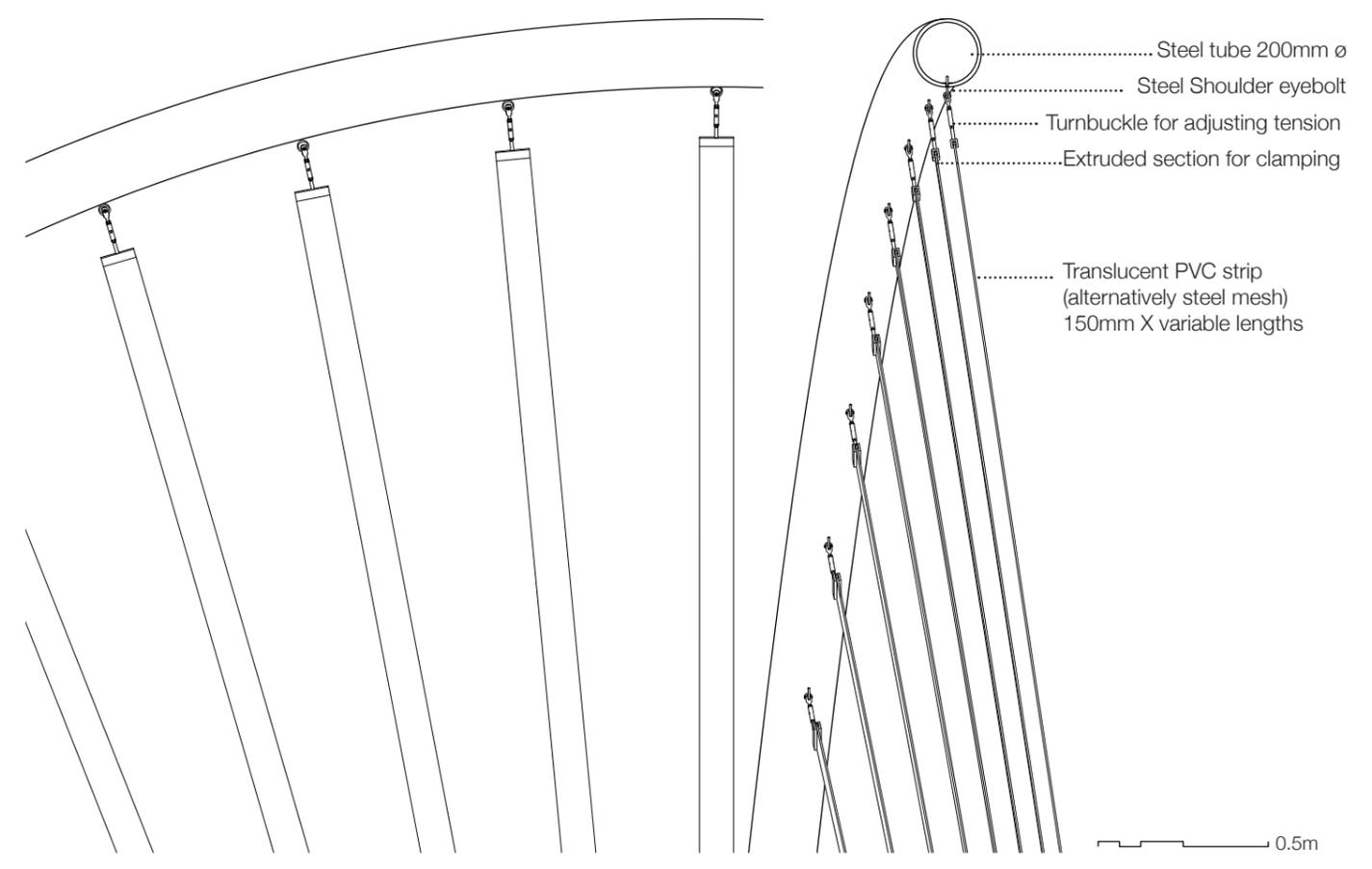
Gate 3

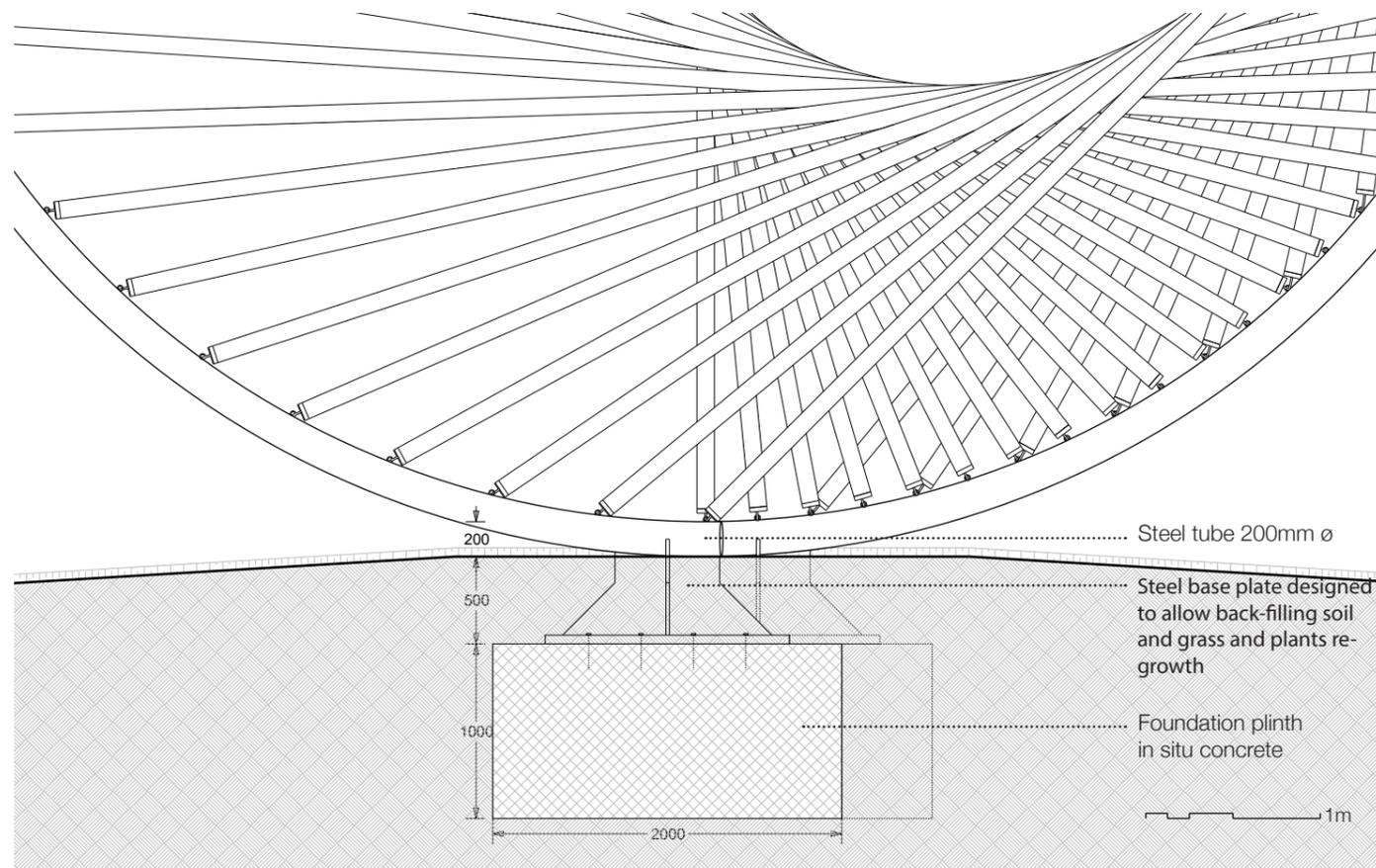
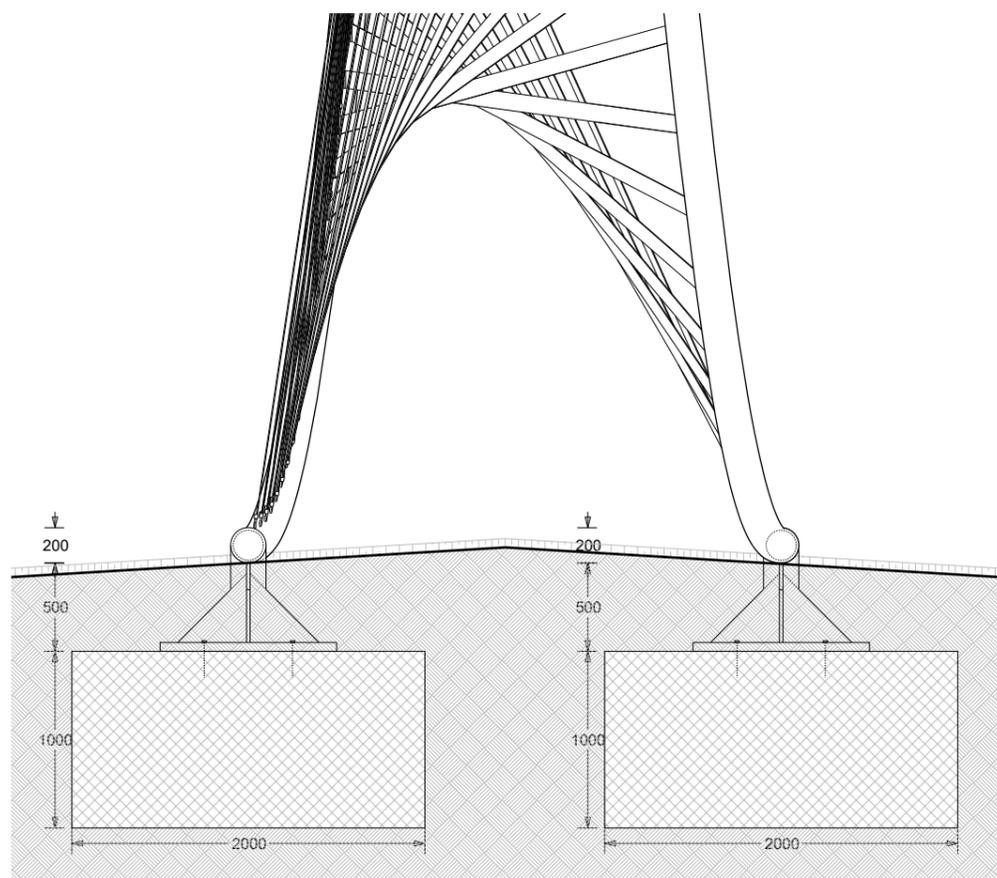


Gate 4



Gate 5





Sculptural gate material list and preliminary cost estimation

Cost Group	Item	Type of work	amount	unit	price / Euro	price / RMB	Sum RMB	Cost Group Sum GBP	Total	
Sculptural gate	Stainless steel Helix pipe 200x5mm Rohr	production and material	1	pcs	30,000.00	234,455.70	234,455.70			
	Blue ribbons, PVC or Stainless steel mesh	production and material	50	pcs	1,500.00	11,722.79	586,139.25			
	Stainless steel connections	production and material	100	pcs	300.00	2,344.56	30,000.00			
	Transportation	transportation	1	pcs	1,000.00	7,815.19	1,000.00			
	Flexible PV solar cell (*optional)	production and material	50	pcs		0.00	0.00			
							total cost per gate	850,594.95		
On site installation	site preparation		1	pcs	1,000.00	7,815.19	7,815.19			
	foundation sculpture		2	pcs	2,500.00	19,537.98	39,075.95			
	Artwork installation		1	pcs	5,000.00	39,075.95	39,075.95			
	electric supply connection (*optional)		1	pcs		0.00	0.00			
							total cost per gate	85,967.09		
							TOTAL RMB	936,562.04		

