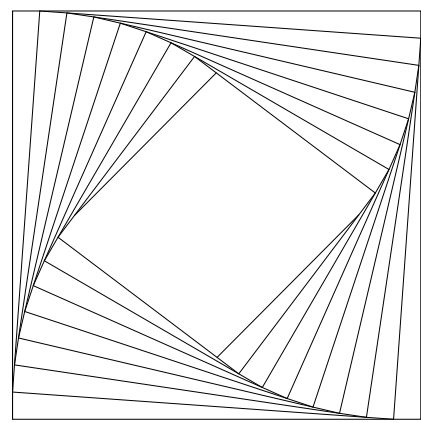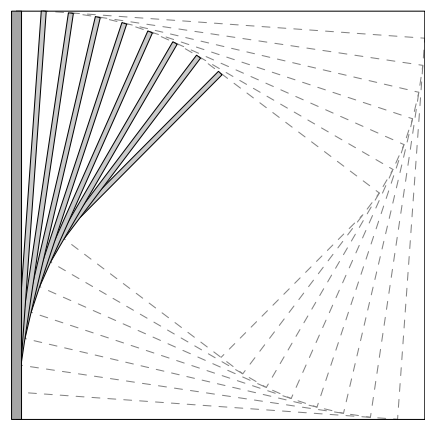# Design Strategy

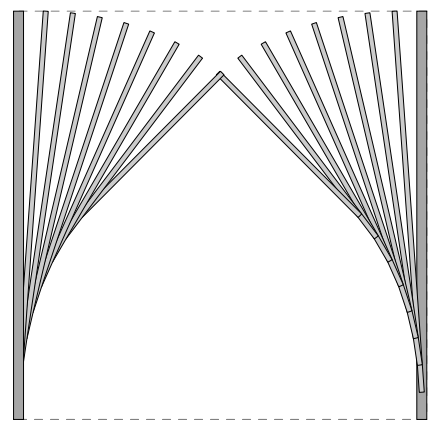**01 Fibonacci Sequence**

The Fibonacci Sequence was used to identify visual opportunities for designing arches in the oasis.

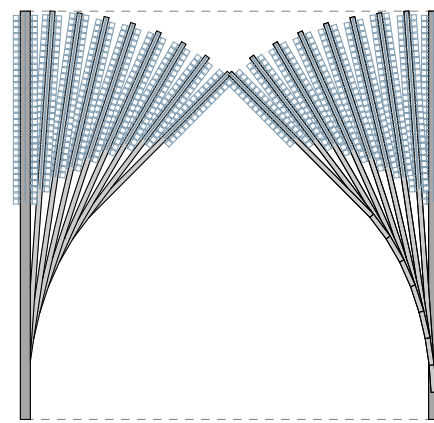**02 Column and Branches**

The first edge deteremined the primary column. The following 8 branches were laid out according to the pattern.
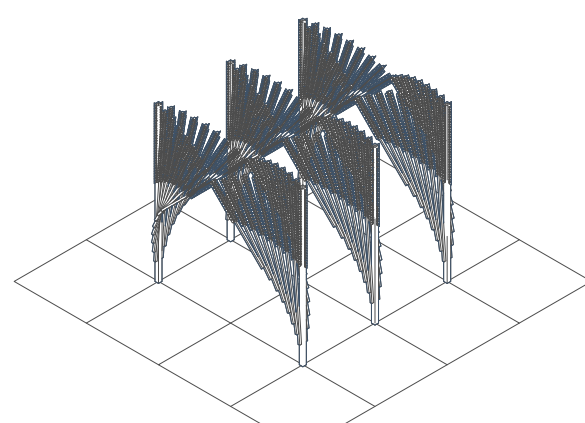
03 Arches

The column and branches were reflected to create an arch.

04 Piezo Leaves

The piezo 'leaves' are laid out on the four faces of the column and branches. Each arch holds 1,656 piezo leaves.
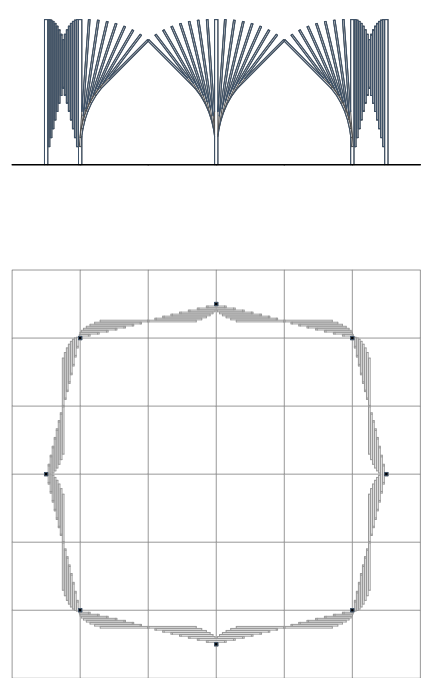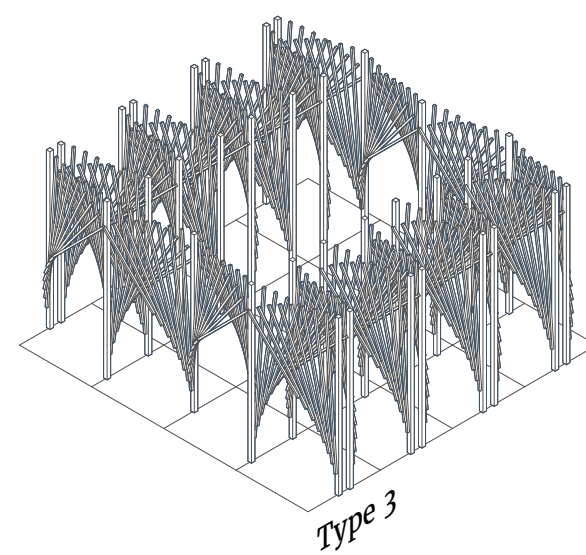
05 Design Strategy

By using the same dimensions of the arch and the site grid, the columns and branches can be configured in different ways, to achieve different designs for different site.
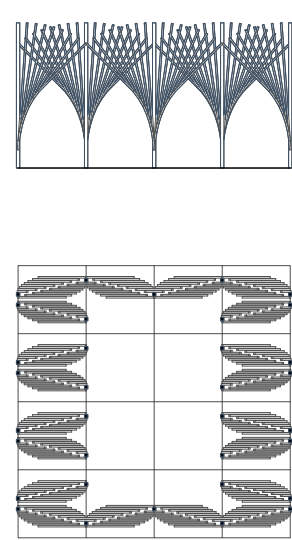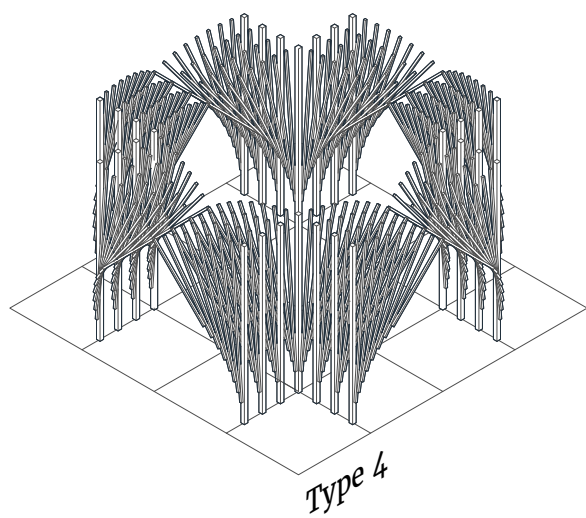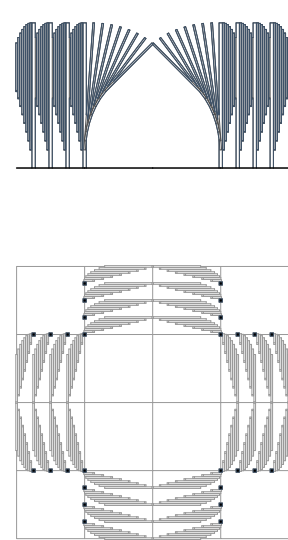

Type 1
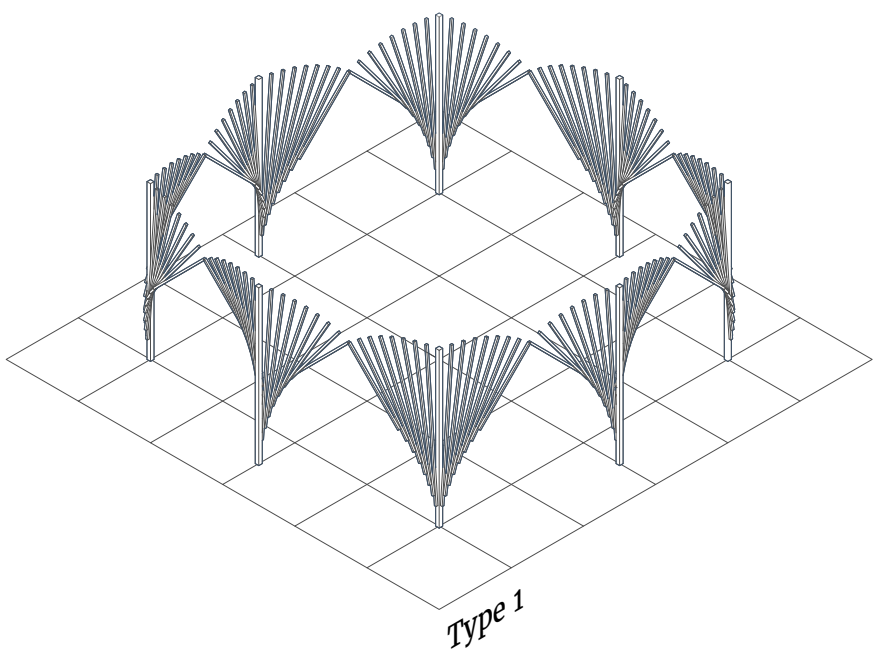
Courtyard (extra large) configuration

Type 2

Walkway configuration 01

Type 3

Courtyard (large) configuration

Type 4

Courtyard (medium) configuration

Type 5

Courtyard (small) configuration

Type 6

Waylkway configuration 02

Type 7

Walkway configuration 03

Type 8

Walkway configuration 04

Type 9

Walkway configuration 05