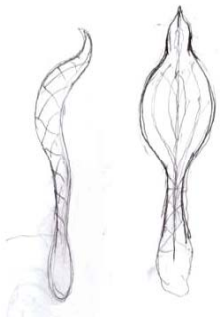


## Tempe Center for the Arts, Glass Sculpture Garden Tempe, Arizona

### Project Description

When considering the Tempe Center for the Arts Glass Sculpture Garden, I examined the living systems and atmospheric sensibility of the Arizona desert. During this process, I imagined a desert seed pod bursting, following the first rain after the dry, hot summer, and filling the atmosphere with luminous pollen. From there I considered the geometric structures that could create this effect, as well as the idea of growth as an ongoing life process.



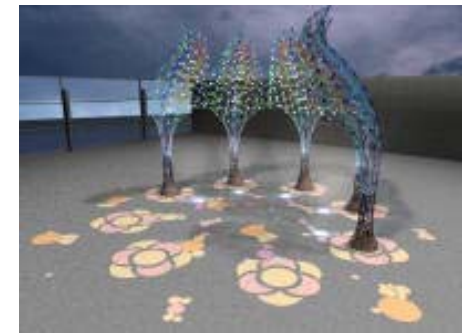
A single leaf form, curling upward from a bulb-like basket structure below the surface, perfectly illustrated my thinking. Each leaf form would be built of stainless-steel rods woven together using unique compression fittings and connectors of our own design. The forms are fully three dimensional, consisting of an inside and outside layer, with three layers of powder-coated geometry sandwiched between (see sample). The bases of these leaf forms are a continuation of the upper structures, forming basket-like bulb shapes filled with smooth stones. These base bulbs are buried in the crushed-granite surface of the Sculpture Garden to form the foundation of the structure. Additional stones are

embedded in the stems of the base. These stones transition to glass, and the leaf forms themselves are filled with hundreds of multi-colored transparent glass elements. The glass elements are typically circles, squares, and diamonds, with some special floral shapes, all measuring from 2”—4” across and 1/2”—3/4” thick (see samples). This leaf form is repeated five times then connected to form a semicircle. Viewers standing beneath will be bathed in colored light as the Arizona sunlight filters through the sculpture or as the sculpture is up-lit from the pavers at night.

### **Paving**



To reinforce a shadowing effect, where light is filtered through the glass and projected onto the ground beneath, I’ve created a paving beneath the sculpture, which spreads out in a pattern resembling that of projected light through foliage. Around the base of each leaf “stem”, stone paver shapes are placed with circular glass pavers inset around them. The glass circles contain LED boards, which provide evening lighting for the sculpture. An additional possibility would be to extend the pavers further, spreading them throughout the site.



## Orientation



In order to orient the sculpture, I acquired solar data for the site and decided to set the artwork in an east/west orientation. The morning sun will back light the leaf forms implying that the pavement forms are reflections from the glass in the leaves. In addition to natural lighting, some of the paving forms will be glass and installed with up-lighting to create dramatic night illumination of the sculpture. Lighting the cement walls from the ground with multicolored lamps

suggests a desert sunset and becomes a brilliant complement to the sculpture and the garden. The resulting artwork will be reminiscent of light filtering through a forest canopy, providing visitors with a continual dance of light and a tapestry of color, while inviting contemplation and re-visitation to this icon unique to the Tempe Center for the Arts.

### **Dimensions**

Height of leaf form	15'4"
Width of leaf form	6'6"
Height under arch	8'6"
Distance between bases	6'6"
Diameter of circle of bases	21'6"

### **Materials**

Powder-coated, stainless-steel rod  
Stainless-steel, brass, and copper hardware and connectors  
Glass  
Stone  
LED lights

### **Maintenance Requirements**

The weather-resistant structures are extremely strong and durable and do not require maintenance. The glass elements are from ½" to ¾" thick and rarely break. If any breakage occurs replacements will be provided for easy installation. There should be no further maintenance required. The LED lights are long-lived and require minimal maintenance. Powder Coating is Series 38 Marine Grade powder, offering the highest UV protection.

## Tempe Center for the Arts Glass Sculpture Garden

### Budget: \$300k

Artist fee—15%	\$ 45k
Five leaf forms—\$30k each	\$150k
Construction	
Materials, powder coat, hardware	
Labor	
833 Handmade glass elements @ \$30 each	\$ 25k
Stone and tempered glass pavers	\$ 30k
Five LED glass pavers	\$ 10k
Shipping	\$ 5k
Installation	\$ 10k
Travel—\$2.5k	
Lodging—\$2.5k	
Labor—\$5k	
Electrical and Wall Lighting	\$ 2.5k
Insurance	\$ 2.5k
Contingency	<u>\$ 20k</u>
Total	\$300k