Magnify

Public Sculpture Concept

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Clear acrylic: It will withstand exposure to high levels of UV light, salt water spray, extreme cold, heat and dramatic temperature changes without shattering, fogging or losing its lustre. In fact, clear acrylic has been known to last up to 30 years in use outdoors without turning yellow, crumbling or losing its strength.

Maintenance Plan

The majority of the components for this piece are made from cold rolled welded steel, cleaned and primed with a universal metal primer and painted gloss black with enamel paint. These materials require little to no maintenance throughout the years and are proven to hold up to all types of weather conditions.

AFter creating the initial concept illustration, I have since exchanged any parts that were going to made from MDO board, and switched them to metal, for the very reason of extended longevity. In the picture below for instance, everything in dark gray/black is made of painted steel.

The "lens" is made from 1/2" clear acrylic, cut in a 30" diameter circle using a CNC machine, with designs directly printed onto the surface of one side using UV inks from a large format, flatbed printer. Once cured, it is very difficult to scratch the color off. You basically would have to gauge the plastic with a sharp instrument like a screwdriver.

If any one of these components were to get damaged by the weather or vandalism, I would repair or replace the piece in question within a 3 week period. My mother, sister and her family live permanently in Sarasota, and my brother and his family in Orlando, so I would have a place to stay while making the repairs or replacements.

