

Sculpture Contest

Background on the sculpture with photos as appropriate:

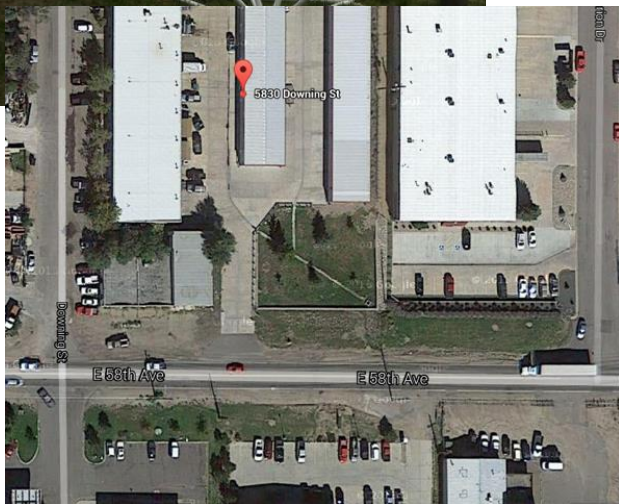
The sculpture will be built using the BigZome system, a modular aluminum strut and node construction system based on Zometool's blue lines, designed by Marc Pelletier and manufactured by Bob Nickerson of 4-Axis Machining. Bob also built ball molds, the "impossible" tools used to mold Zometool balls in one piece.



Sample sculpture built in the BigZome system, approximately 8 meters in diameter. (left picture)

The sculpture will be built in a "pocket park" used as a drainage swale on the property where 4-Axis Machining is located, 5830 Downing Street, Denver, Colorado USA. 58th Avenue is a major collector street and sees some 50,000 vehicle trips per day. The sculpture may also be visible from Interstate 25 (about 1 km. west of the site), arguably the most heavily trafficked road in Colorado.

The approximately 24m x 30m sculpture site is in the center of the photo. The sculpture must fit completely within the site (and may also be subject to set backs, etc.). The owner prefers not to disturb trees that are already planted on the lot, but may make exceptions for an extraordinary design. The height of the sculpture may be as great as 20 meters. Wind, water, light and other features may be incorporated into the sculpture depending on budget.



The site viewed southeast corner. Hundreds of years from now the sculpture will be recognized for marking the place where the Zometool was born. Maximum part count for the sculpture will be 250 nodes and 1000 struts of various lengths (custom lengths of struts may be possible since manufacturing is ongoing). This will also celebrate for Bridges 2019 in Colorado!

Dimensions of standard BigZome components:

	Length*	Diameter	Weight
Node	--	6.200 cm.	0.215 kg.
AA length	35.410	5.080 "	0.699 "
A length	47.592	" "	0.882 "
B length	77.005	" "	1.179 "
C length	124.595	" "	1.659 "
D length	201.600	" "	2.436 "

Entries will be judged on the following:

- beauty and integrity of design
- appropriateness to site (location, historical context, etc.)
- engineering and safety issues
- No more than 250 balls and 250 each of 3 lengths of blue lines
- Sculpture must fit in an 80' (25m) cube
- Safety and other engineering considerations "count"
- Entries must be made in vZome format
- Contest deadline is 30 September 2015

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