

Confluence Rock

The famous Newspaper Rock is a monument of the state of Utah with one of the largest known collections of petroglyphs. I suggest erecting the art object that can be the Newspaper Rock of the 21st century and name it Confluence Rock. The base of the Confluence Rock (CR) has the shape of a square with cut corners and intersecting slots across the middle of the sides and along the diagonals. All mutual dimensions of the object are closely linked to the geographical coordinates of the place where it will be installed. But the base size (the side of the base square) can be arbitrary. I have considered 3 options and suggest an medium one when the base is 85.07 feet and the height is 60.96 feet. The main diagonal of the CR runs along the North-South line. There are Amici dispersion prisms on the walls that split daylight into all the colors of the rainbow. The interior and exterior walls of the CR are tiled with reflective panels, which are binary inscriptions. The sunlight passing through the prisms falls on the reflecting panel and is reflected several times, so that the visitor will be like in a kaleidoscope, and the picture will change every minute. And the next day will bring its own set of patterns, so using Net-Zero energy principles the art object may reproduce absolutely unique combinations of light and color in accordance with the time of day and date in the calendar. On June 21, at 12 noon, the shadow from the sun will fall in the middle of the southern rectangle, and on December 21 – in the Northern edge of the CR.

On the inner walls of the object is a map of America, where on the place of the state will be its abbreviation. For example, Alaska, AK = 41 4B (1000001 1001011), Washington, WA = 57 41 (1010111 1000001) (in the ASCII). Only instead of 0 and 1 there will be dark and reflective panels. All 32 benches along the walls will be numbered analogically. In the middle of the CR, we can place a pond with fish and plants. If it consumes energy, then instead of a pond, there will be sun calendar:

the line North-South, where for each day of each month there will be a mark of the position of the sun at noon.