

The background features a large, abstract pattern of blue squares of varying sizes and shades, arranged in a grid-like fashion that slopes upwards from left to right. Some squares are solid dark blue, while others have a lighter, semi-transparent blue overlay. A few larger, semi-transparent squares are positioned in the upper left quadrant.

Project Portfolio

Joseph Ordaz

The Free Form Shoe Extension

The “Free Form” Shoe Extension

Prototype 1



Prototype 2

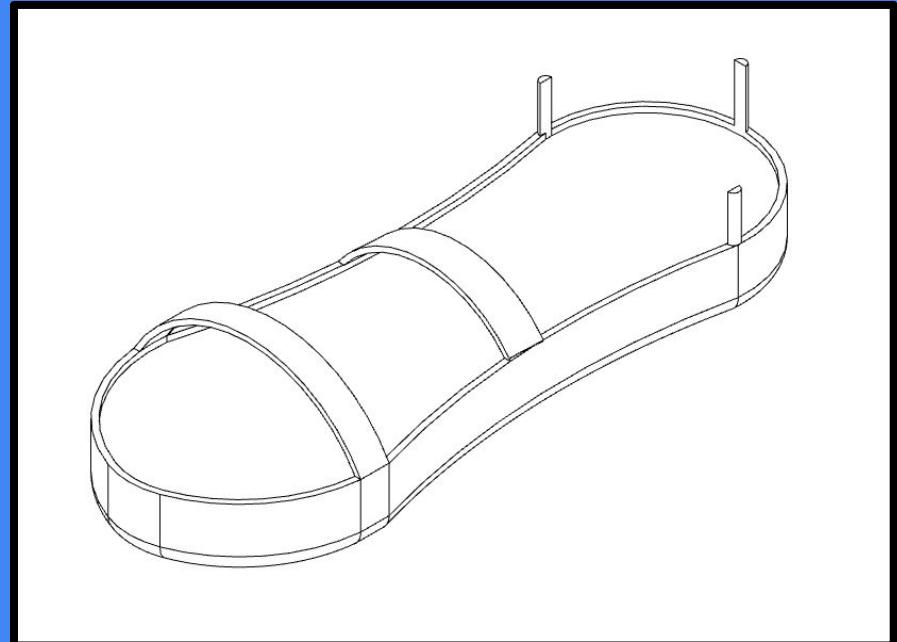
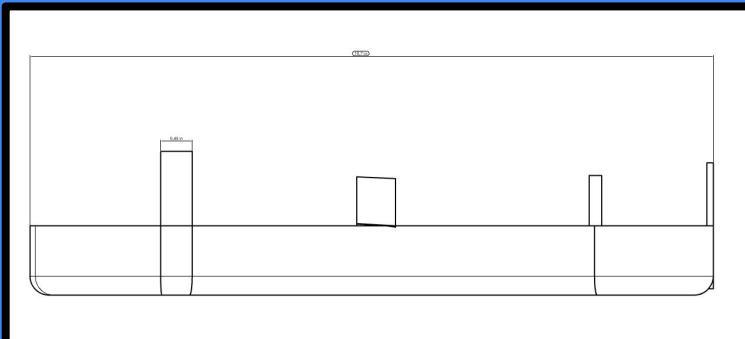
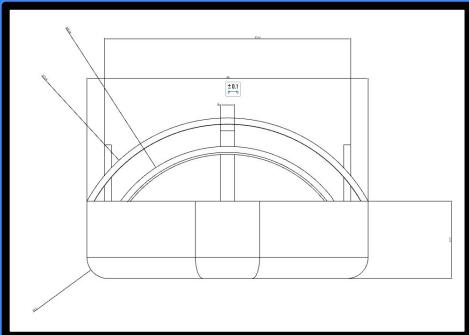


Prototype 3



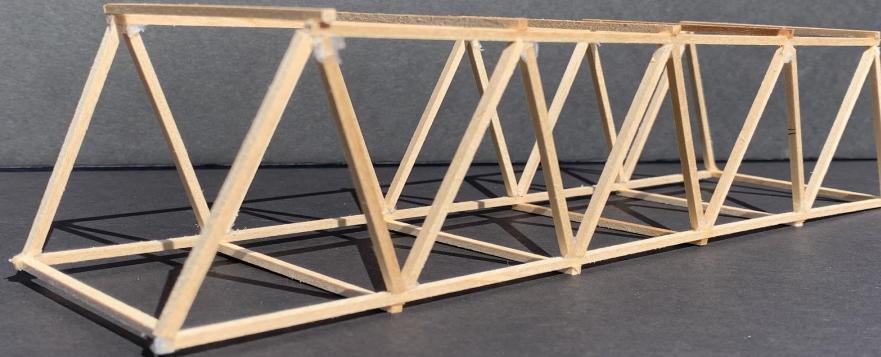
The “Free Form” Shoe Extension

CAD Model



The Warren Truss Bridge

Warren Truss Bridge



10.87 Grams

Warren Truss Bridge

BRIDGE EFFICIENCY CALCULATION

Force tested=Newtons
Bridge Mass=grams

1 Newton= 101.9716213 grams force (gf)

1,657.63% Bridge Efficiency= $\frac{180,018.39 \text{ (gf) Force Tested}}{10.87 \text{ (g) Bridge Mass}}$

Backyard Design

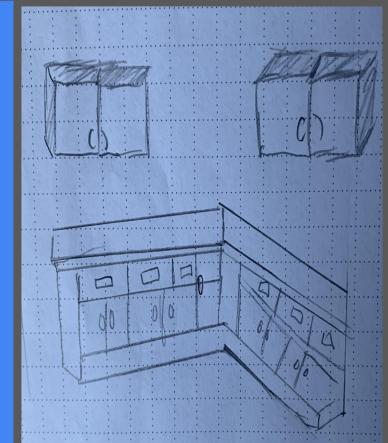
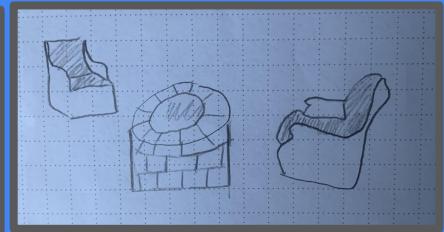
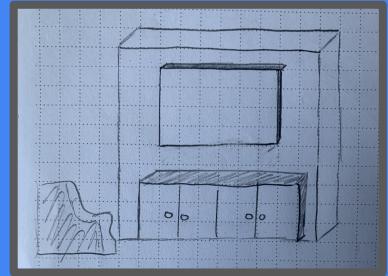
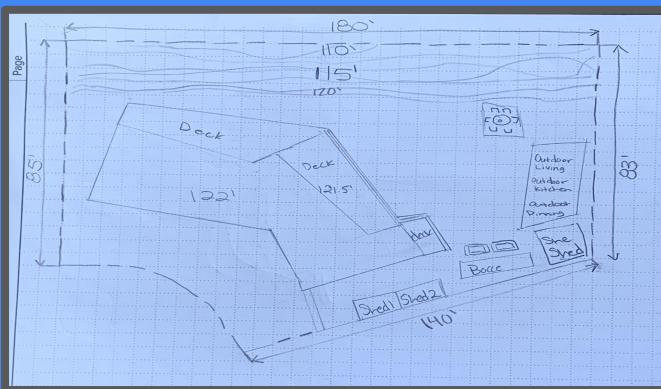
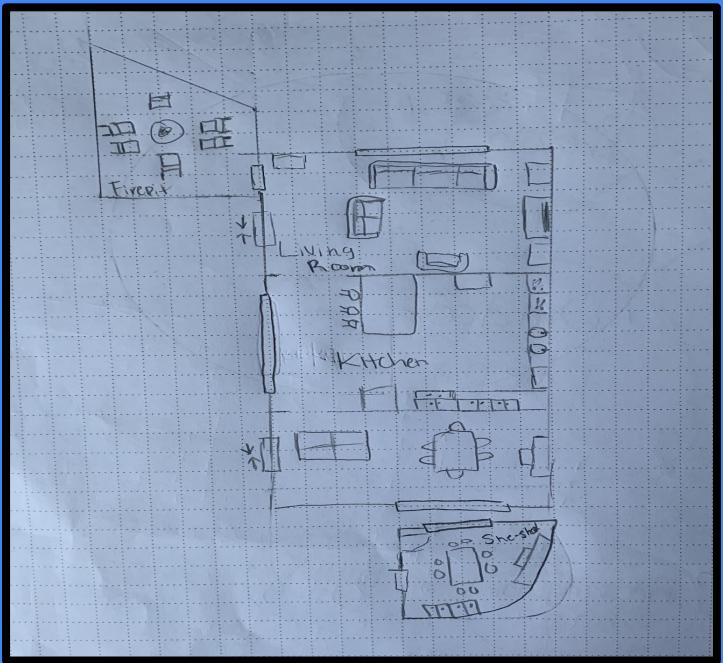
Backyard Design



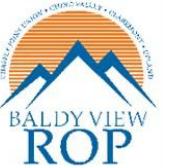
Backyard Design



Backyard Design



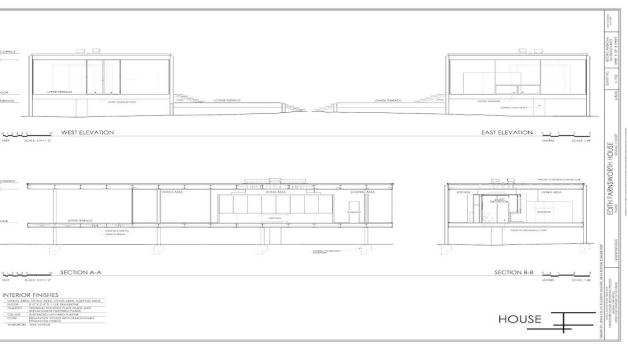
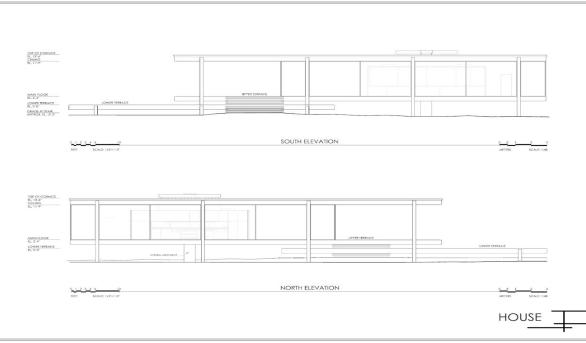
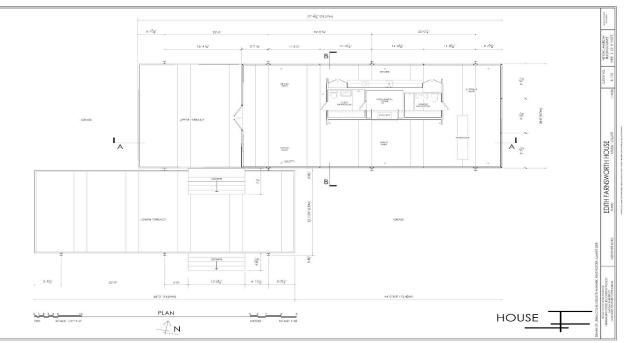
The Farnsworth House



THE FARNSWORTH HOUSE

History

The Farnsworth House was designed and constructed from 1949-1951 by architect Ludwig Mies van der Rohe for Dr. Edith Farnsworth. Located in Plano, Illinois, the house's structure consists of precast concrete floor and roof slabs supported by a carefully crafted steel skeleton frame of beams, girders and columns. The facade is made of single panes of glass spanning from floor to ceiling, fastened to the structural system by steel mullions. The building is heated by radiant coils set in the concrete floor; natural cross ventilation and the shade of nearby trees provide minimal cooling. Though it proved difficult to live in, the Farnsworth House's elegant simplicity is still regarded as an important accomplishment of the international style.



Hip Roof Model

Hip Roof Model

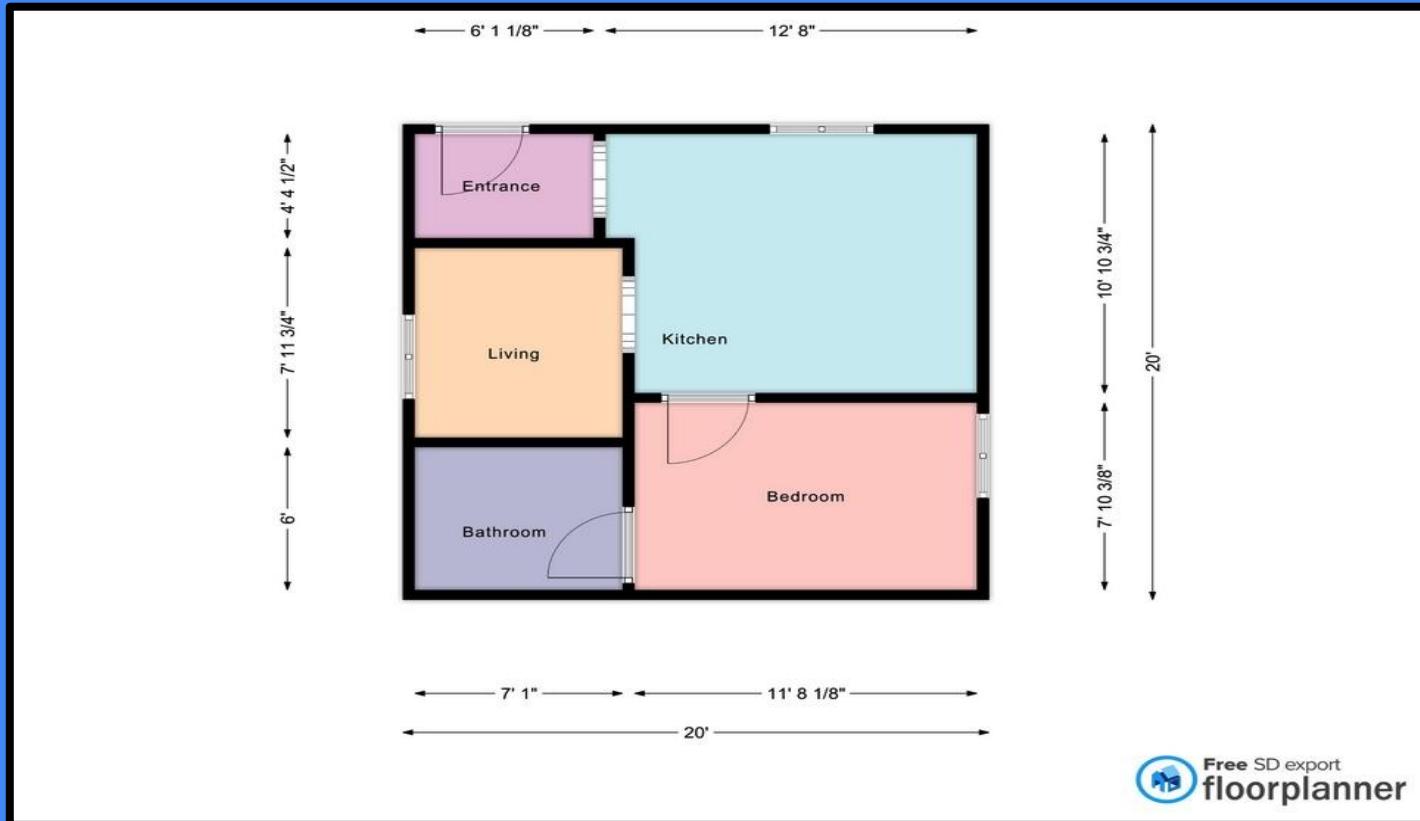


Hip Roof Model



Tiny House Project

Tiny House Project



Free SD export
floorplanner

Tiny House Project



Tiny House Project

