

MATTHEW S HAMILTON
/ ARCHITECTURAL
DESIGNER

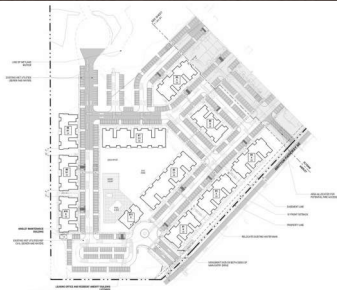
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ARCHITECTURE +
URBAN SPACE +
DESIGN





Olympia High School / Olympia WA



Job Captian / Designer / 2018-
BLRB Architects
1250 Pacific Ave #700, Tacoma, WA 98402

Britton North Place - Multifamily / Lacey WA



Britton North Place - Multifamily / Lacey, WA
Astoria High School / Astoria, OR
Olympia High School / Olympia, WA
The Linden - Senior Living project / Brookfield, CT
Lea Hill Elementary School / Auburn, WA
Glencoe High School / Hillsboro, OR

- Design, Planning, Rendering, Modeling, Construction/Site/Design Documents



Astoria High School, Astoria OR



The Brigantine, Portside Pier / Seaport Village, San Diego, CA



SD Symphony Bayside Performance Park / Marina district, San Diego, CA

Project Designer / 2014-2016

Tucker Sadler Architects

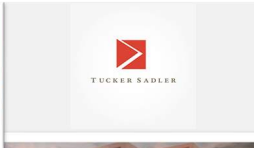
1620 Fifth Ave., Suite 200, San Diego, CA 92101

The Brigantine, Portside Pier / Seaport Village, San Diego, CA

SD Symphony Bayside Performance Park / Marina district, San Diego, CA

Performing Arts & Cultural Complex (PACC) / Southwestern College, Chula Vista, CA

- Design, Conceptual Drawings, Renderings, 3D modeling, City planning.
- Presentation Graphics, Working Construction/Design Documents.

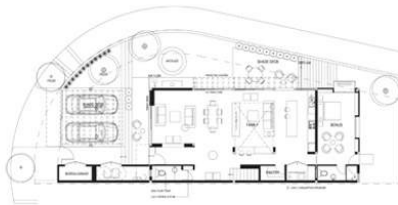


Performing Arts & Cultural Complex (PACC) / Southwestern College, Chula Vista, CA

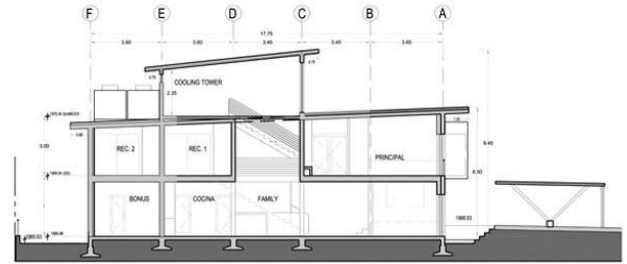


8 Green Homes in Queretaro, Mexico is a contemporary development of affordable green homes that use passive systems, hydroponics, and volume to ensure self-reliance and sustainable living.

The homes accomplish this by controlling air flow through strategically placed U.V. doors which create a thermal chimney to heat and cool each home. Innovative green systems are incorporated on the facade using vegetation to regulate sunlight. Each home also has a garden on the third floor with solar panels and a private garden box adjacent to the main bedroom.



Unit 1 Site and Floorplan

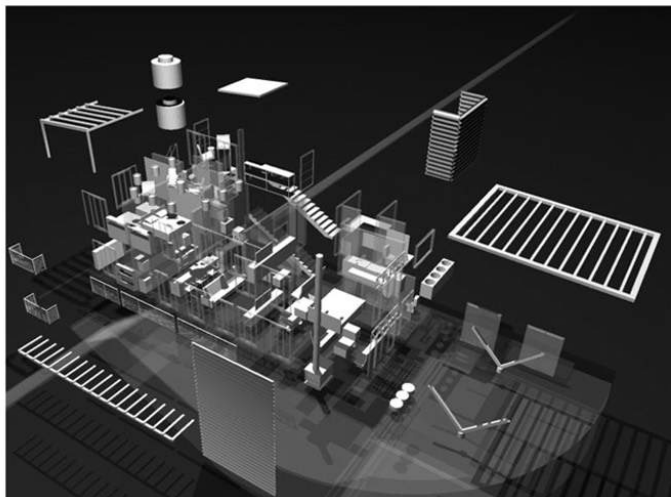


The interior acts as a thermal chimney to the garden balcony on the third floor.

The doors control air flow, employ U.V. glass, and are protected by vegetation and sun louvers.



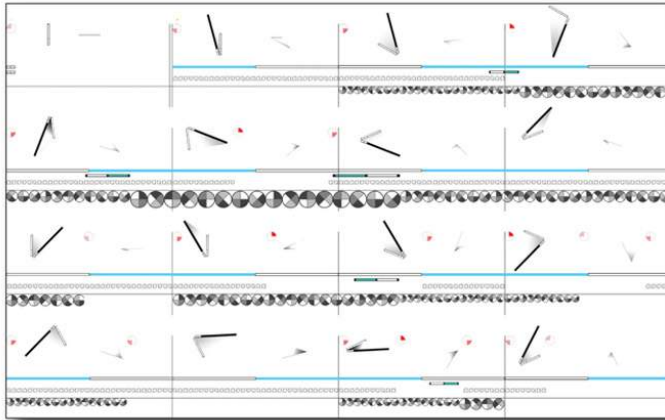
Perspective with interior elements exploded.



Each home is self sufficient. Plumbing systems including a water tank are located in the basement of each building. A collective water tower is also featured on the third floor to create a home which can operate independently from the main grid.

All of these elements prove to make the Ocho Casas Verdes a viable option for Queretaro Mexico. Based on the success of this design it could be implemented in any similar climate throughout the South-West, and beyond.





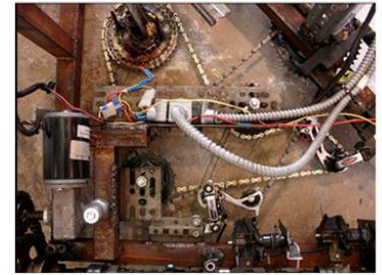
Diagrammatic map of the mechanical movements and actions of the machine over a given timeline.



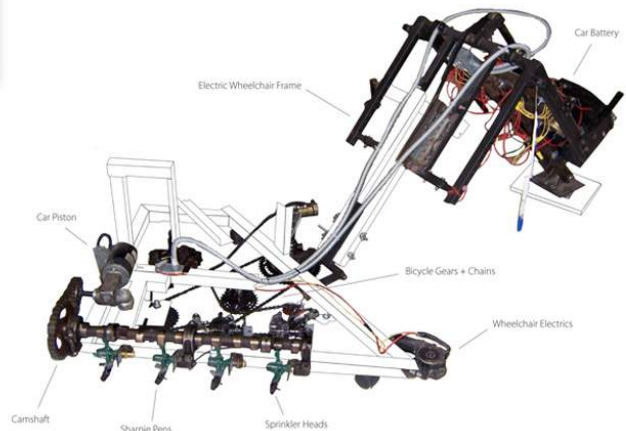
A design project exploring the relationship between space, art and the responsive environment around it. An interactive, independently moving drawing machine was created to document its movements through art on canvas. This exploration was designed to discover a new understanding of dynamic and progressive space and how interaction helps shape our environment. The movements that were recorded onto the canvas were then categorized and reproduced into a timeline map.

The Drawing Machine is assembled from dismantled parts from a variety of household transportation devices.

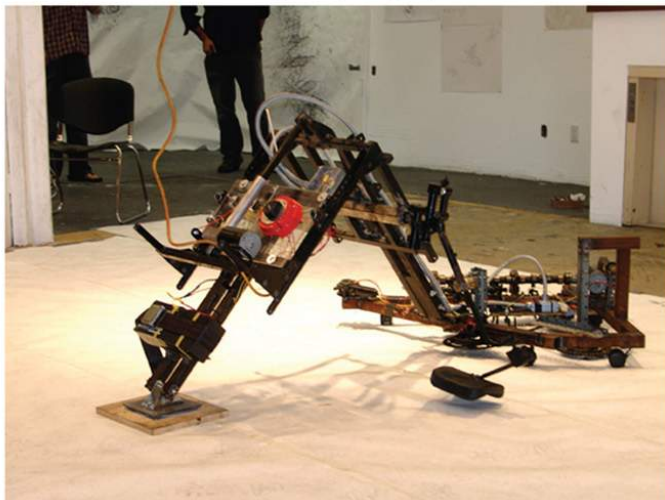
Including: a motorized wheelchair, a salvaged camshaft, bicycles, sprinkler heads, and random, recycled metal studs and bolts. The machine is powered by a salvaged car battery and uses an electric wheelchair mechanism to open and close an expanding arm. It also powers a main camshaft and small wheelchair pistons to rotate and drag attached sharpies to create an unpredictable canvas of continuous circles and lines.



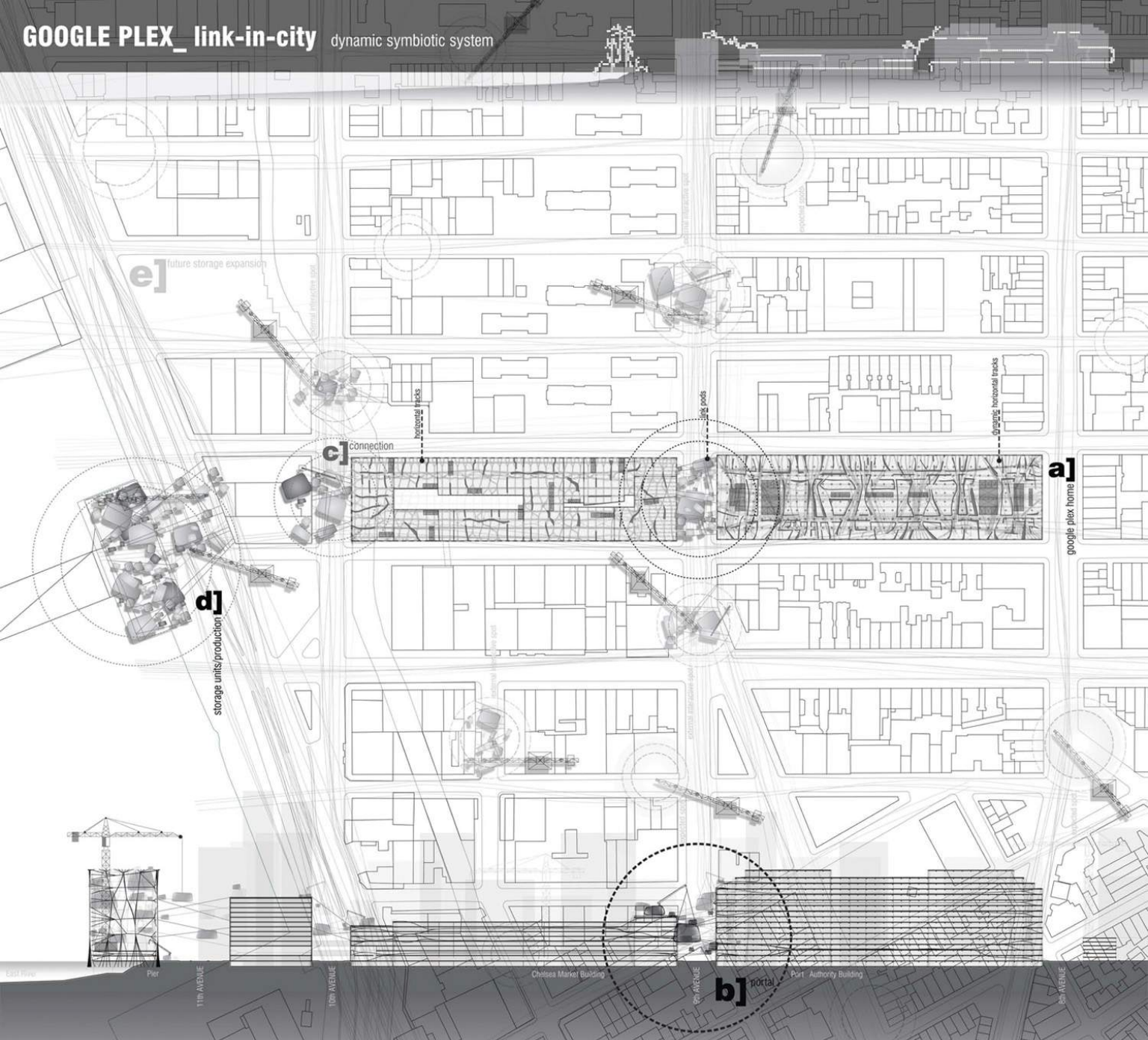
Close up of the gears, chains, wires, and various bicycle parts which comprise the guts of the drawing machine.



Finished machine drawing on exhibit at Woodbury University, San Diego Campus.

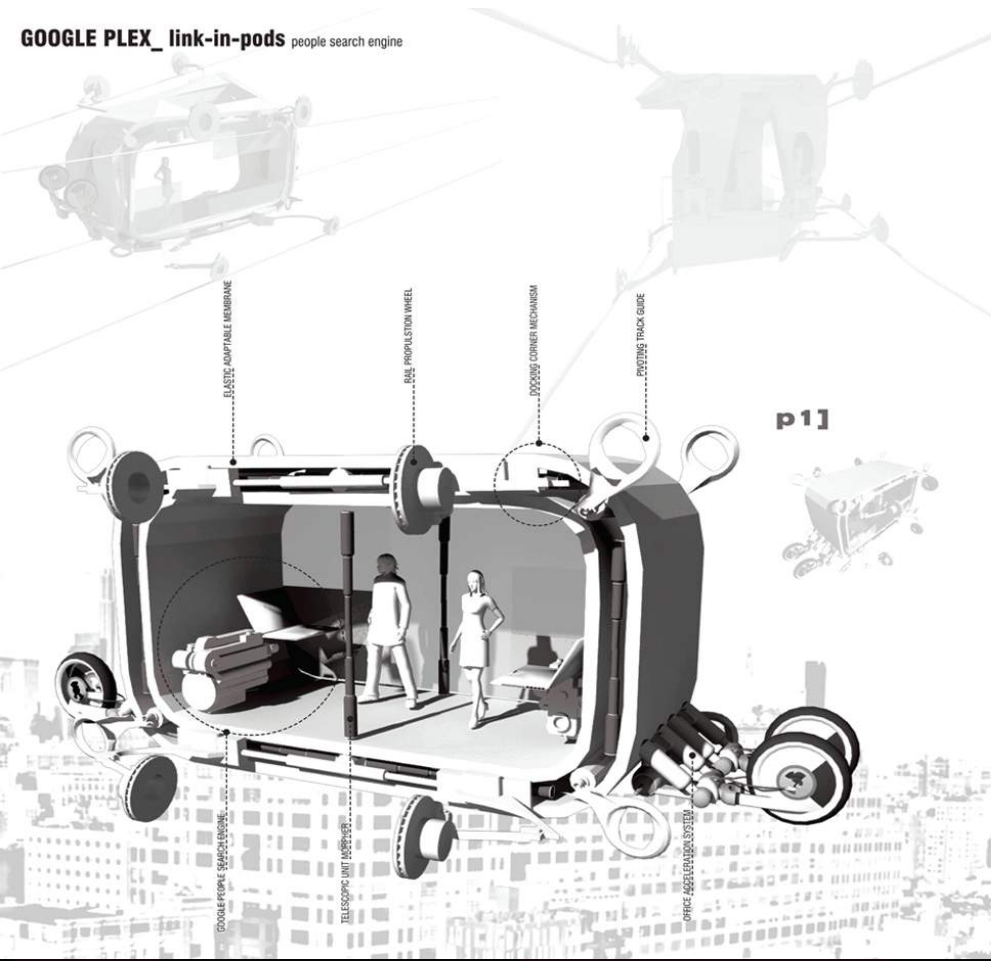


The entire process of deconstructing the salvaged parts and creating the drawing machine took two weeks. It was very well received by professors and other critics in the Art and Architecture communities. The drawing machine was invited to participate in several expositions, including: The Museum of Contemporary Art's TNT show, 'Where Art + Space Collide,' and at 'Inversion,' exhibited at the Woodbury University Hollywood Campus.





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