

Open for Exploration™

San Mateo County Libraries Lookmobile

smcl.org



San Mateo
County
Libraries



The Lookmobile is an interactive mobile library designed to activate outdoor spaces and increase hands-on learning opportunities.

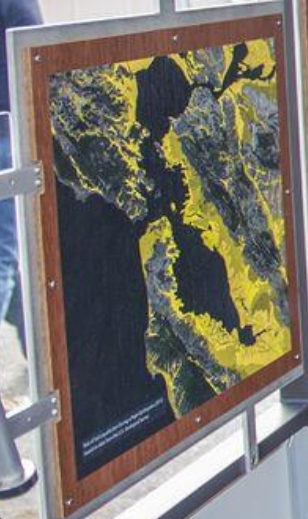




CAMERA OBSCURA THE DARKENED ROOM



CAMERA OBSCURA
THE DARKENED ROOM



HAVE NEW POINTS OF VIEW

Take a walk through the room and see the world from a different way. To make a camera obscura, you need a dark room, a small opening and a screen. The light from the outside world enters the room through the opening and is projected onto the screen. The light from the outside world enters the room through the opening and is projected onto the screen. The light from the outside world enters the room through the opening and is projected onto the screen.

**This unique library
experience promotes inquiry–
based learning and offers
visitors six core interactive
experiences:**



Humanities, Sensory, and Motor Map of the Brain (2012)
 Courtesy of Brain-Map



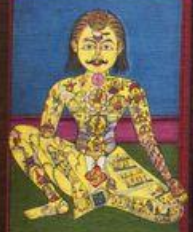
Recently Verified Butterfly and Moth Sightings
 (2016) by the Butterflies and Moths of North America (BAMONA) project
 Courtesy of BAMONA



San Francisco: Wild in the City (1992)
 by Nancy Morita
 Courtesy of Nancy Morita



Locals and Tourists San Francisco (2011)
 by Eric Fischer
 Blue dots are places visited by locals. Red dots are places visited by tourists. Yellow dots are places visited by both.
 Courtesy of Eric Fischer



Sapta Chakra (the seven chakras) (1899)
 unknown artist
 Courtesy of the British Library



Make a map of a place or a journey you know.

You might map:

- ▶ Your bedroom
- ▶ A trip to school, work, or a friend's house
- ▶ A real or imaginary place that inspires you
- ▶ Your school
- ▶ Your favorite bike ride or hiking trail

DRAWING FROM MEMORY

When you're finished with your map, take another look at it. Or better yet show it to someone else who knows that place. What parts did you draw accurately?

When drawing maps from memory, we all tend to make the same kinds of mistakes. For example, when we put two locations on the map, we tend to draw them too close together. Of course, some maps are more concerned with artistry than accuracy. And since it's your map, you should draw your house as big as you please.



Can your friend draw you accurately?

- ▶ Stand near the window and put one hand on the glass.
- ▶ Your friend will trace your hand, arm, then your head, and maybe the rest of you, too.
- ▶ When your friend is done, move back about 10 feet and stand in the same pose. Your friend will trace you again.

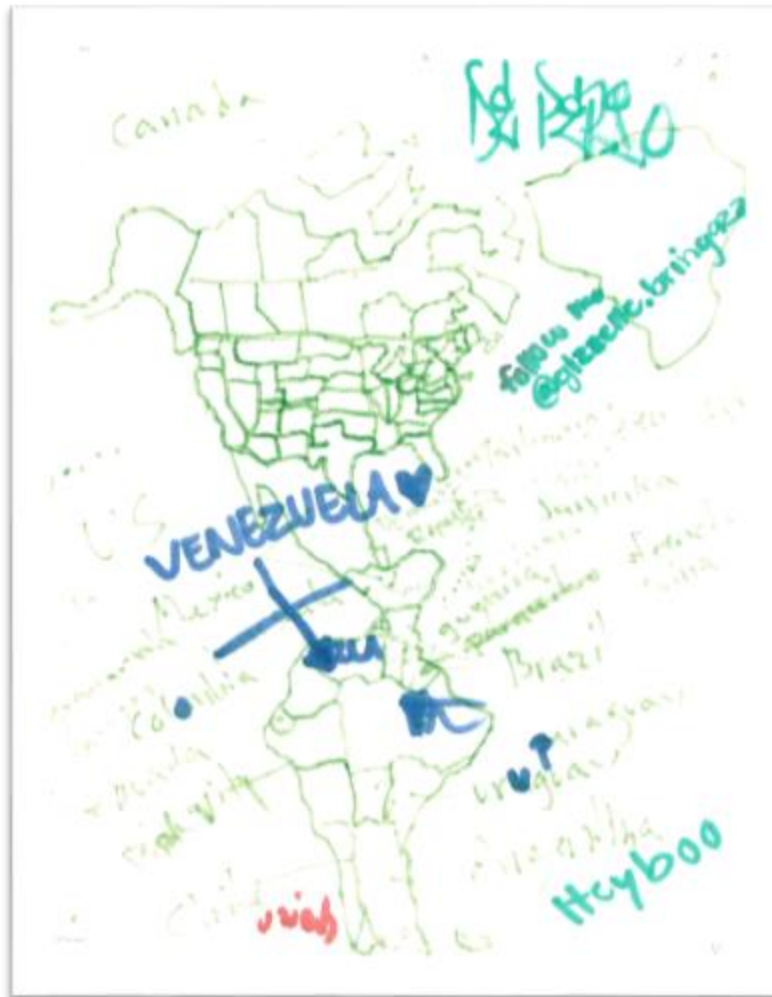


A large outdoor map of San Mateo County is displayed on a dark blue background. The map shows the county's coastline, major roads, and various land use zones in green and yellow. To the right of the map is an interactive station mounted on a trailer. The station features a wooden table with two clipboards, a child sitting on a stool interacting with the station, and a wall of various maps and informational panels. A flag is visible on the roof of the station. The scene is set outdoors on a paved area with a building in the background.

The image shows a large, interactive map of San Mateo County. The map is mounted on a structure with a large panel on the left and a display case on the right. A young girl is sitting on a stool, looking at the map. The map shows the county's coastline, major roads, and various land use zones. The display case contains several framed maps and informational panels. A flag is flying on a pole in the background.

The image shows a large, interactive map of San Mateo County. The map is mounted on a structure with a large panel on the left and a display case on the right. A young girl is sitting on a stool, looking at the map. The map shows the county's coastline, major roads, and various land use zones. The display case contains several framed maps and informational panels. A flag is flying on a pole in the background.

The image shows a large, interactive map display titled "Mapping San Mateo County" mounted on a trailer. The display is divided into three main sections. On the left is a large map of San Mateo County, California, showing its geographical features and boundaries. In the center is a panel with various maps, including a historical map of the county, and a section titled "Make a map of a place or a journey you know." which includes a list of activities and a small map. On the right is a panel with a circular window and a section titled "Can your friend draw you a map?" which includes a list of activities and a small map. A young girl with long dark hair, wearing a purple shirt and blue shorts, is sitting on a wooden stool, interacting with the display. The display is located outdoors on a paved area, with a building and a flag visible in the background.









CAMERA OBSCURA

THE DARKENED ROOM



What happens when a little light shines into a dark box?

- 1. Stay inside to see the image on the table.
- 2. To pan left or right, turn the wheel on the wall.
- 3. Open the curtain at the back to see more cameras.

LIGHT THROUGH A LENS

The room behind this curtain is a simple device called camera obscura. It's not a video projector. It's a box through which light enters through a hole in the back wall. The box camera on the back wall sees the same way.

Real Camera



Light enters through the lens, which projects an image onto the sensor.

Box Camera



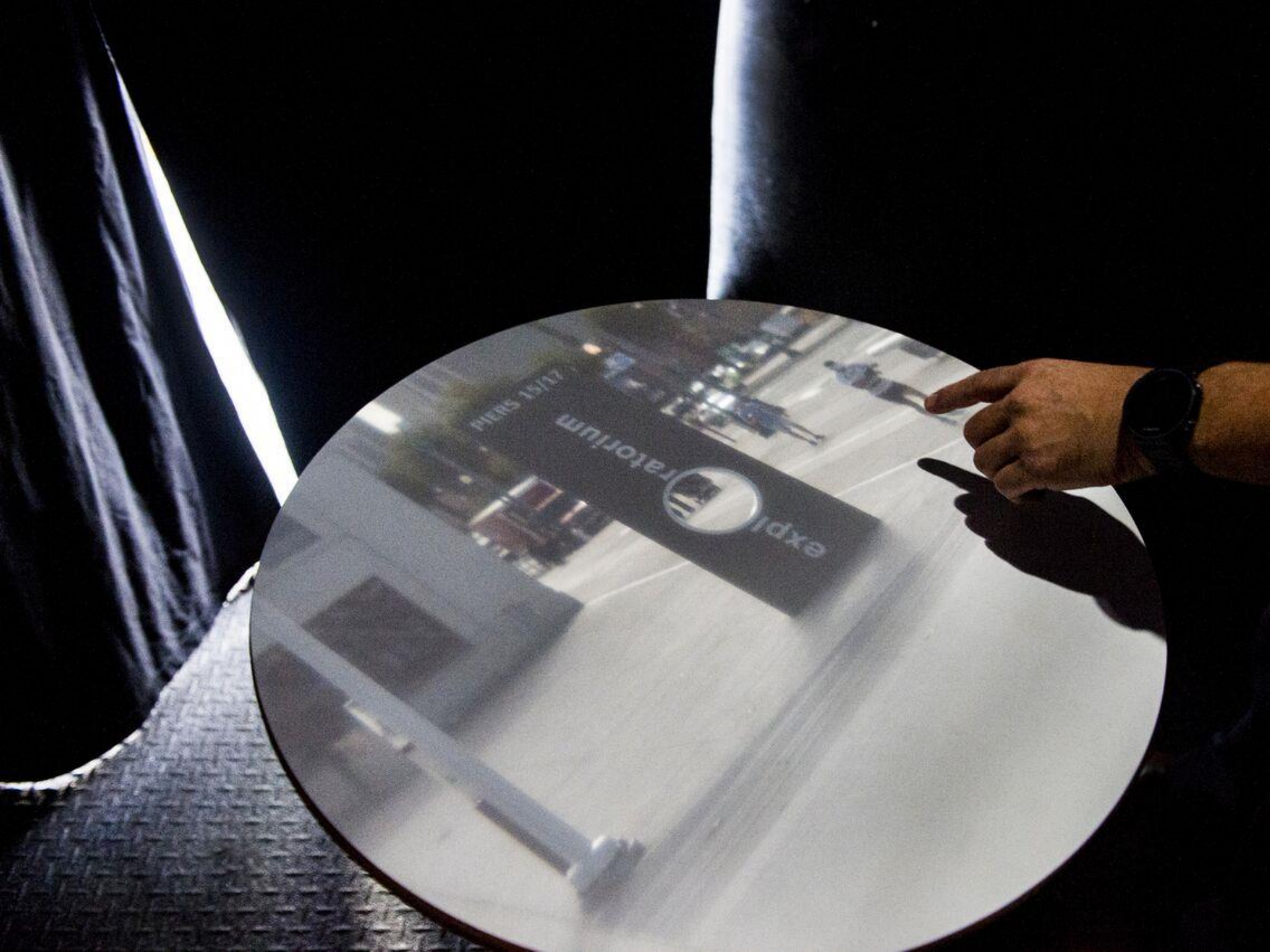
Light enters the box, which projects an image onto the screen.











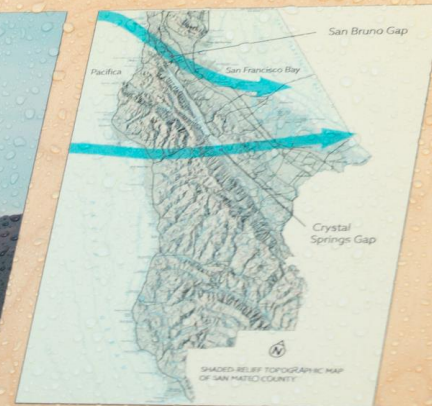


How does fog flow through gaps in the mountains?

- ▶ Gently push and tug on the fabric to make mountains and valleys. How does the fog react?
- ▶ Put your hand in the fog and hold it still. Does the fog avoid your warm hand?

CLOUDS TRAPPED ON THE GROUND

Fog hugs the ground because it's trapped by a layer of warmer, lighter air above. So fog flows across the land like a liquid, spilling through gaps in the mountains and pouring down into valleys.



Fog travels through gaps in the mountains between the ocean and San Francisco Bay.

HOW FOG FORMS AND MOVES





The vision of San Mateo County Libraries is to ignite growth through transformative experiences.

The Lookmobile is supporting these experiences by activating outdoor spaces to encourage play, exploration, learning and community connections.



Mapping
San Mateo
County









NO DOGS ALLOWED
SCHOOL PROPERTY
PRIVATE PROPERTY
VIOLATORS WILL BE PROSECUTED
BY PENNSYLVANIA
LAW ENFORCEMENT

CAMERA OBSCURA

LOVE













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Libraries

"The Lookmobile is amazing – a fascinating, interactive museum on wheels, just waiting to be explored.

The future starts with knowledge, sharing and community. Come to your local library and experience the excitement."

– Lookmobile Lover





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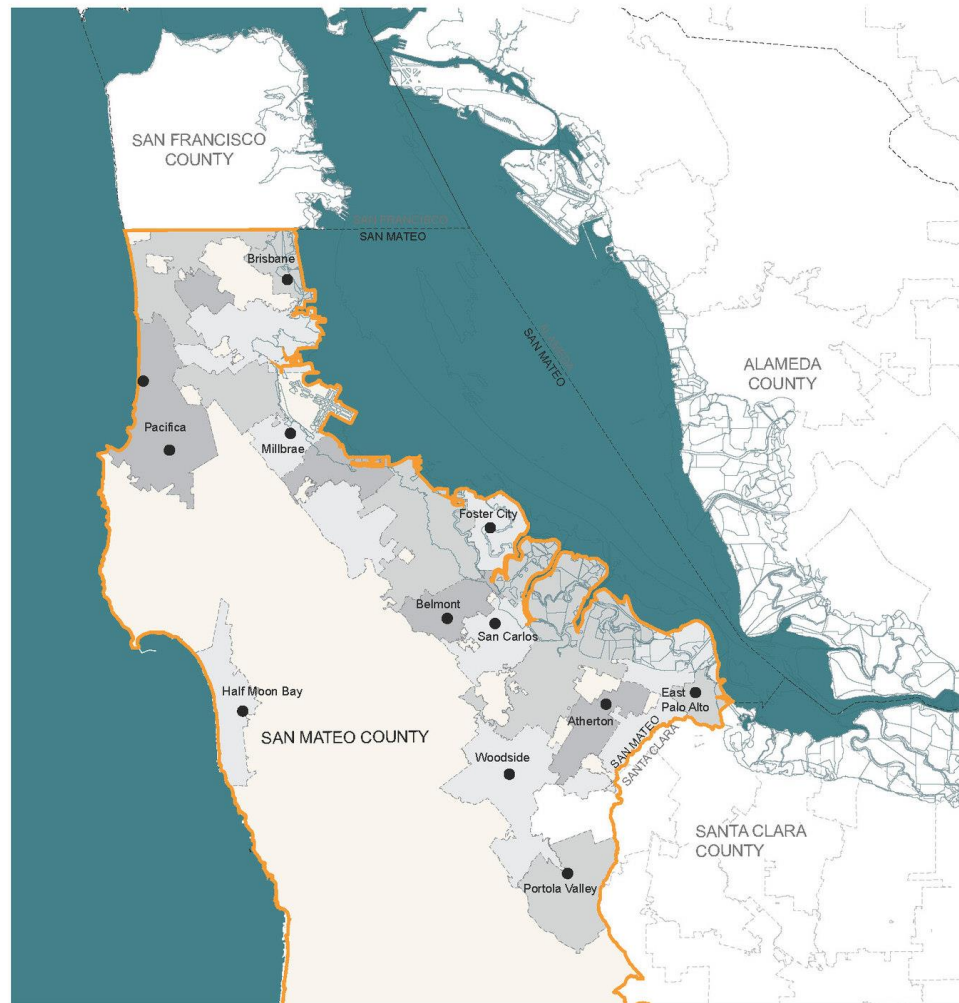


Inspiration

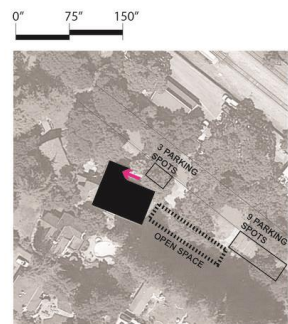


REGION

San Mateo County Library Locations

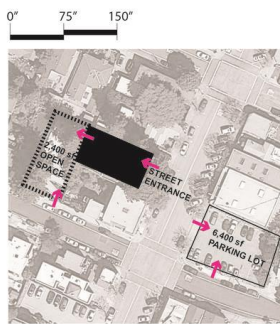


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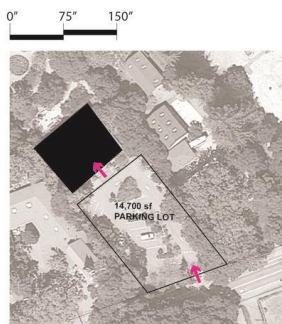
ATHERTON

adjacent street: quiet
parking lot: no
open space: yes, roadside



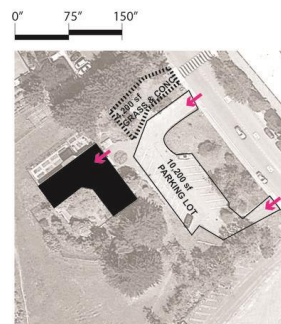
BRISBANE

adjacent street: main but quiet
parking lot: no
open space: yes, gated



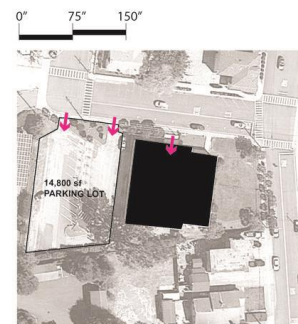
WOODSIDE

adjacent street: busy but far
parking lot: yes
open space: ?



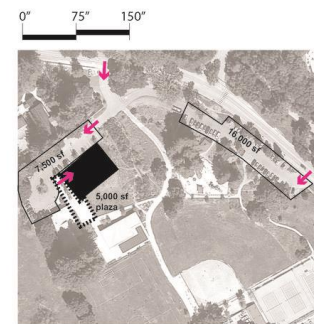
PACIFICA

adjacent street: busy but far
parking lot: yes
open space: yes, informal



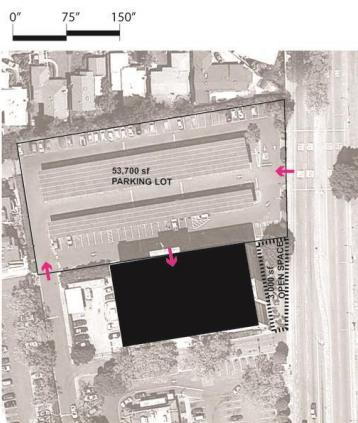
HALF MOON BAY

adjacent street: wide but quiet
parking lot: yes
open space: no



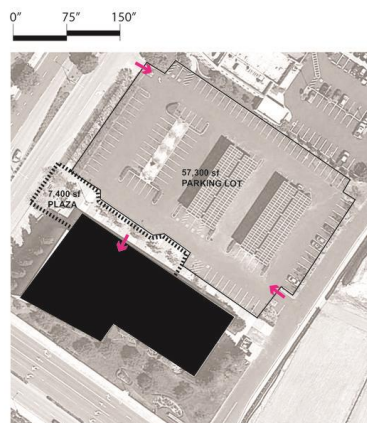
PORTOLA VALLEY

adjacent street: busy but far
parking lot: yes (2)
open space: yes, many



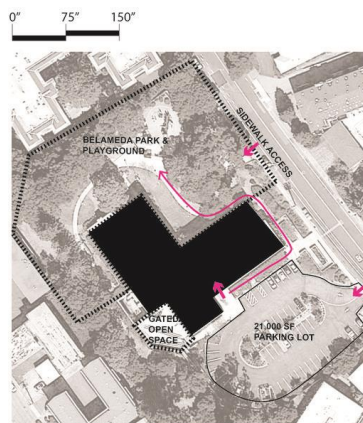
EAST PALO ALTO

adjacent street: busy
parking lot: yes
open space: yes, streetside & not accessible



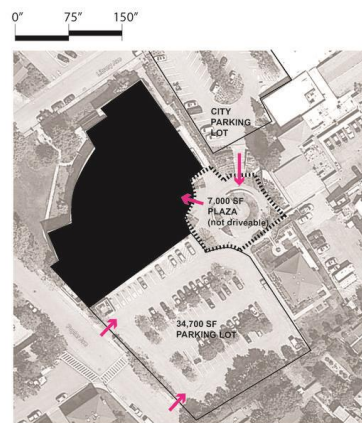
FOSTER CITY

adjacent street: busy
parking lot: yes
open space: yes, plaza



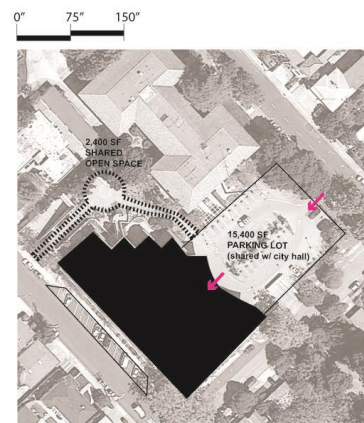
BELMONT

adjacent street: small but busy
parking lot: yes
open space: yes, public park & private space



MILLBRAE

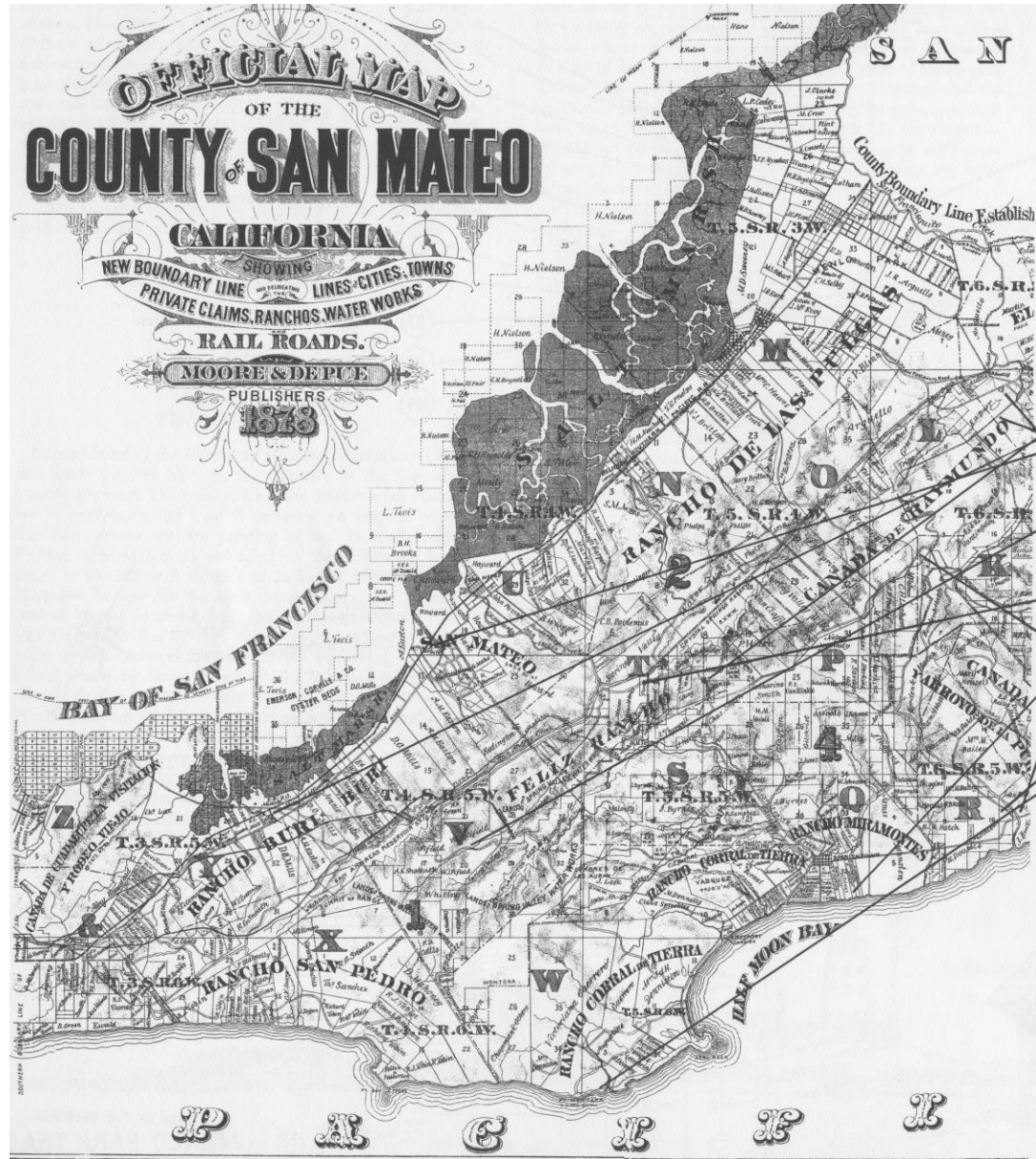
adjacent street: medium traffic and far
parking lot: yes (2)
open space: yes, plaza



SAN CARLOS

adjacent street: busy & small
parking lot: yes, & 2nd underground
open space: yes, shared

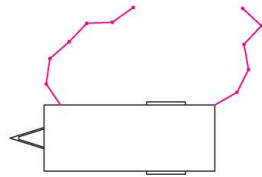




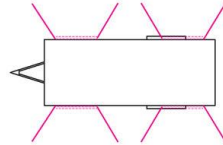
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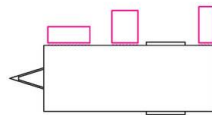
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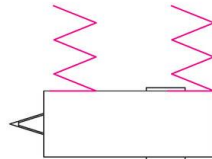
FENCE



FOLD OUT



FOLD DOWN / UP



ACCORDIAN / ARCHIVE



VENT



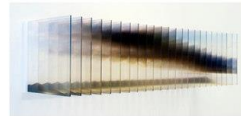
SLIDING

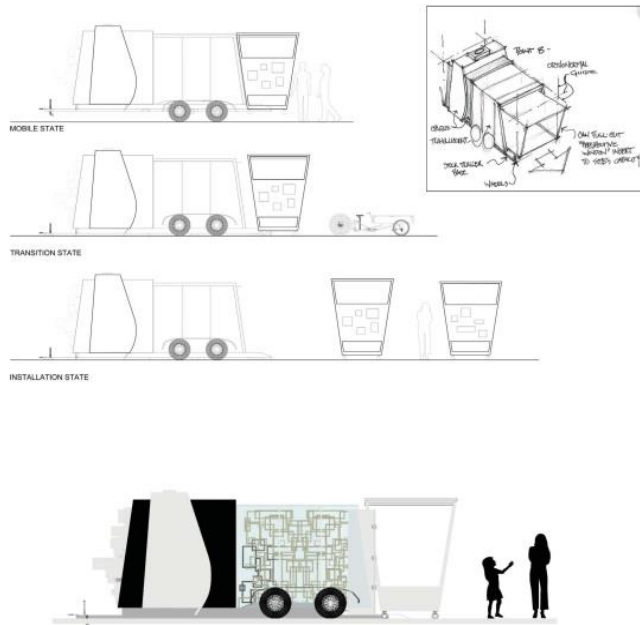


INTERIOR LAYERS
(DIARAMA)

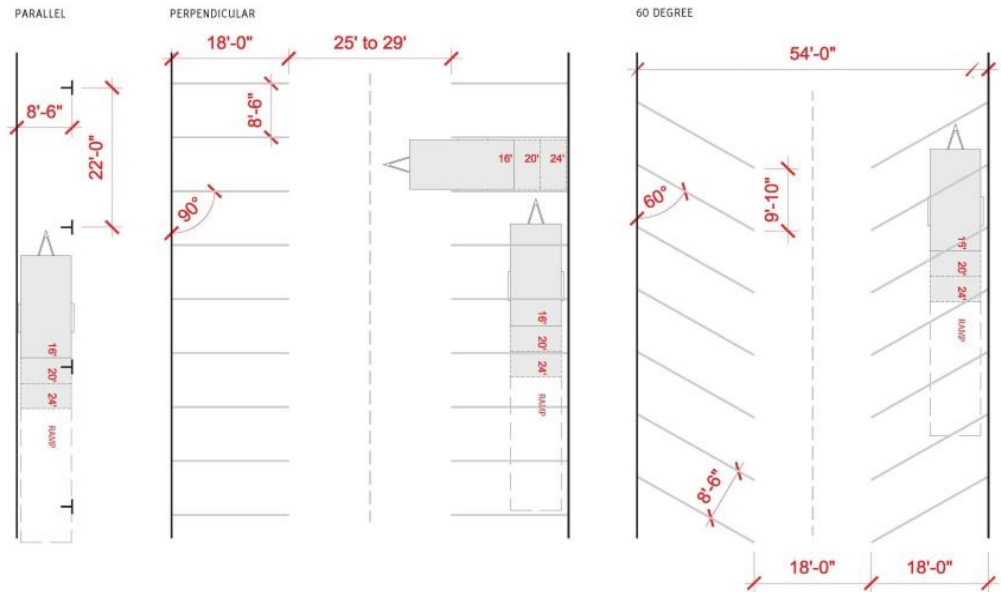


ROOF POP UP





TYPICAL PARKING DIMENSIONS



MAIN DOOR
ACCESS OVER
TONGUE?

LIFT-UP
AWNINGS

BENCHES?

RAMP GATE FOR
TRIKE + VISITOR

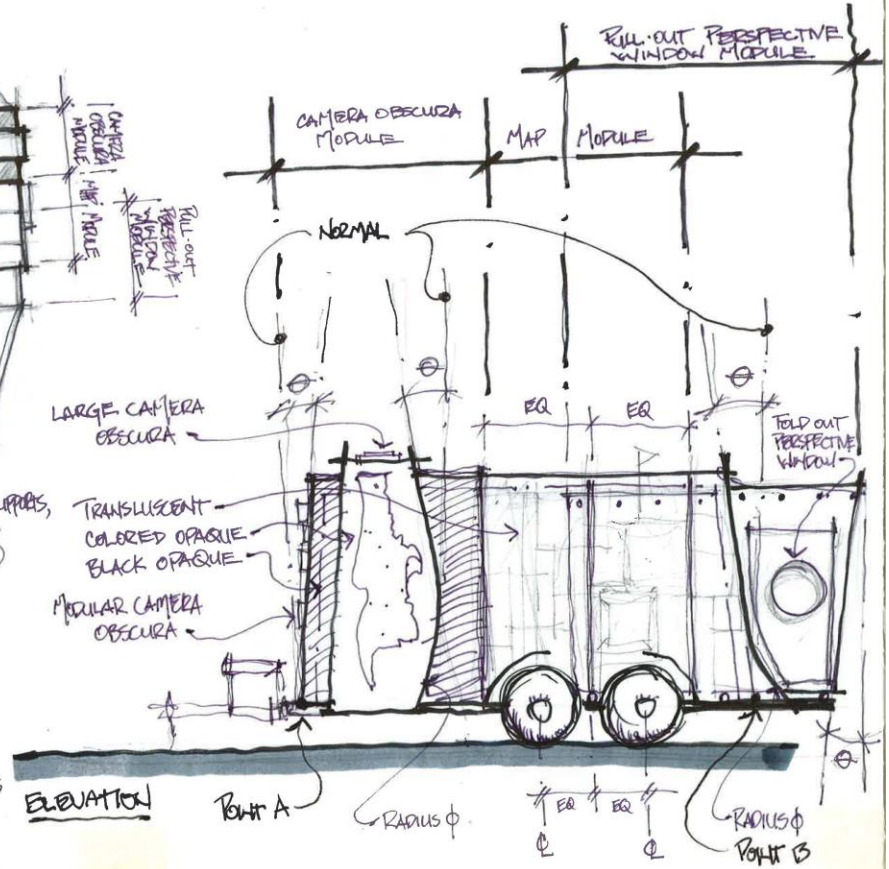
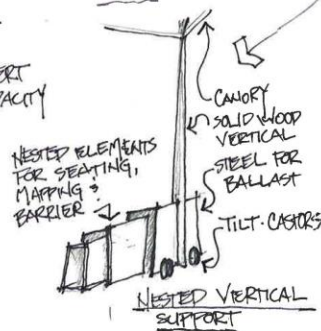
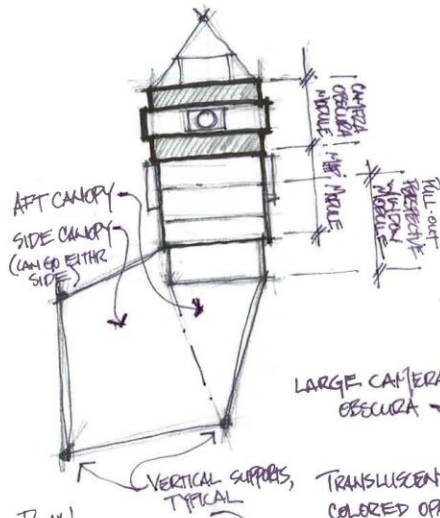
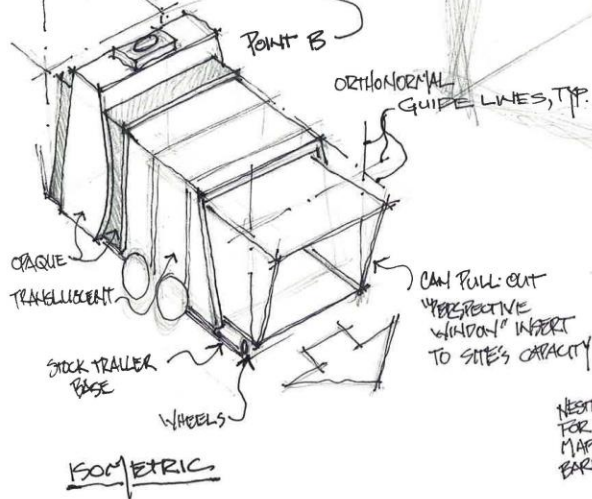
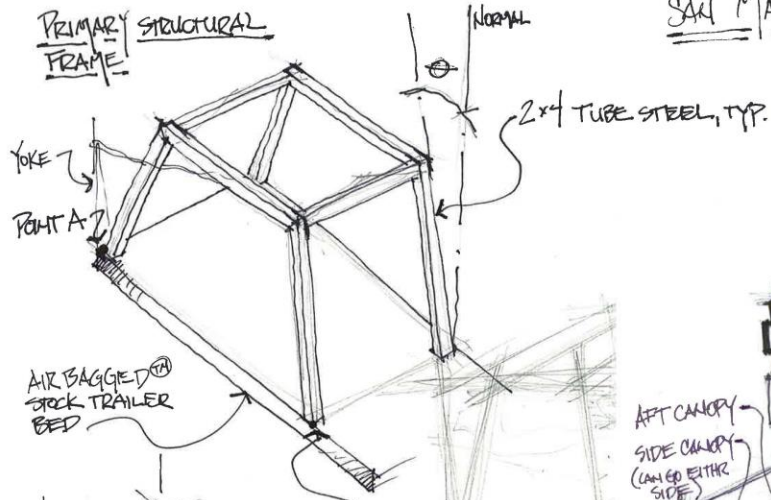
UTILITY TRAILER
BASE (20'?)

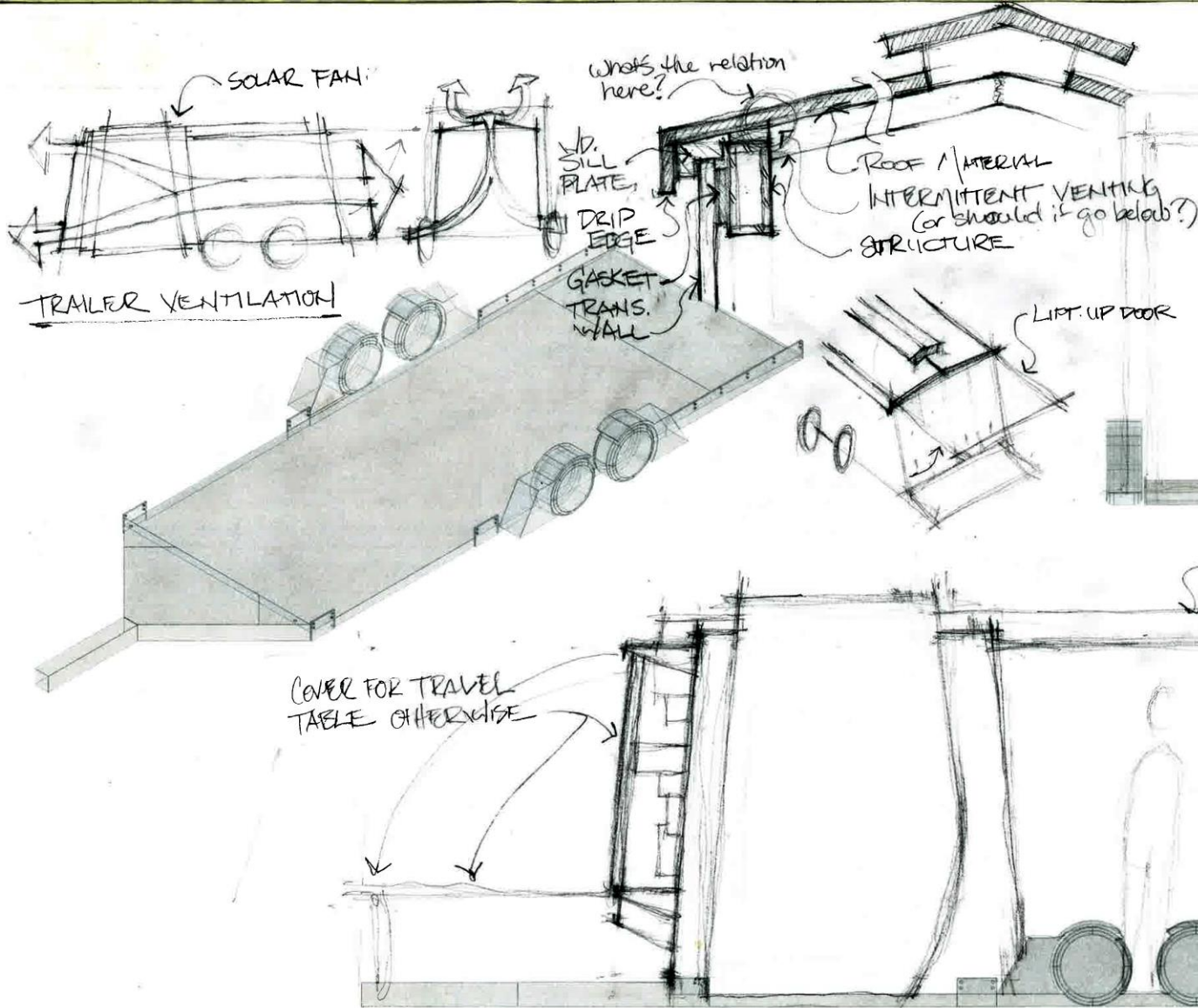


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SAN MATEO PRELIMINARY CONCEPT

JOSH 4.5.16





four by linkage.

research camera obscures ventilation

use case of setup/breakdown

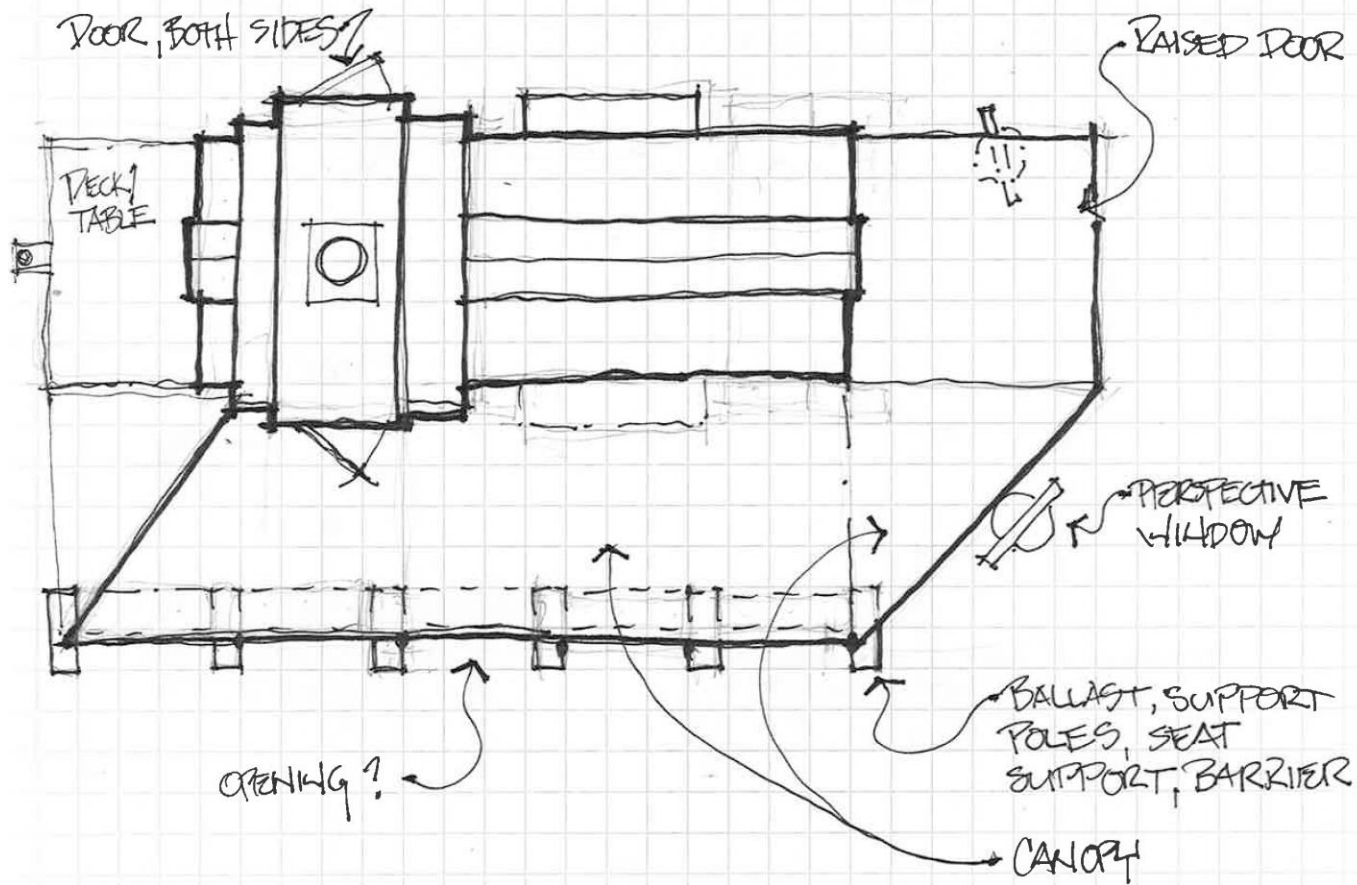
weight capacity
up to date model.

wheel location

Essecomp
Conceptual Set Id/hand sketch
of use case
Model making stuff.



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Prototyping





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Partnerships



Creador invitado

Dibuja, pinta y pega





Community Engagement









Successes





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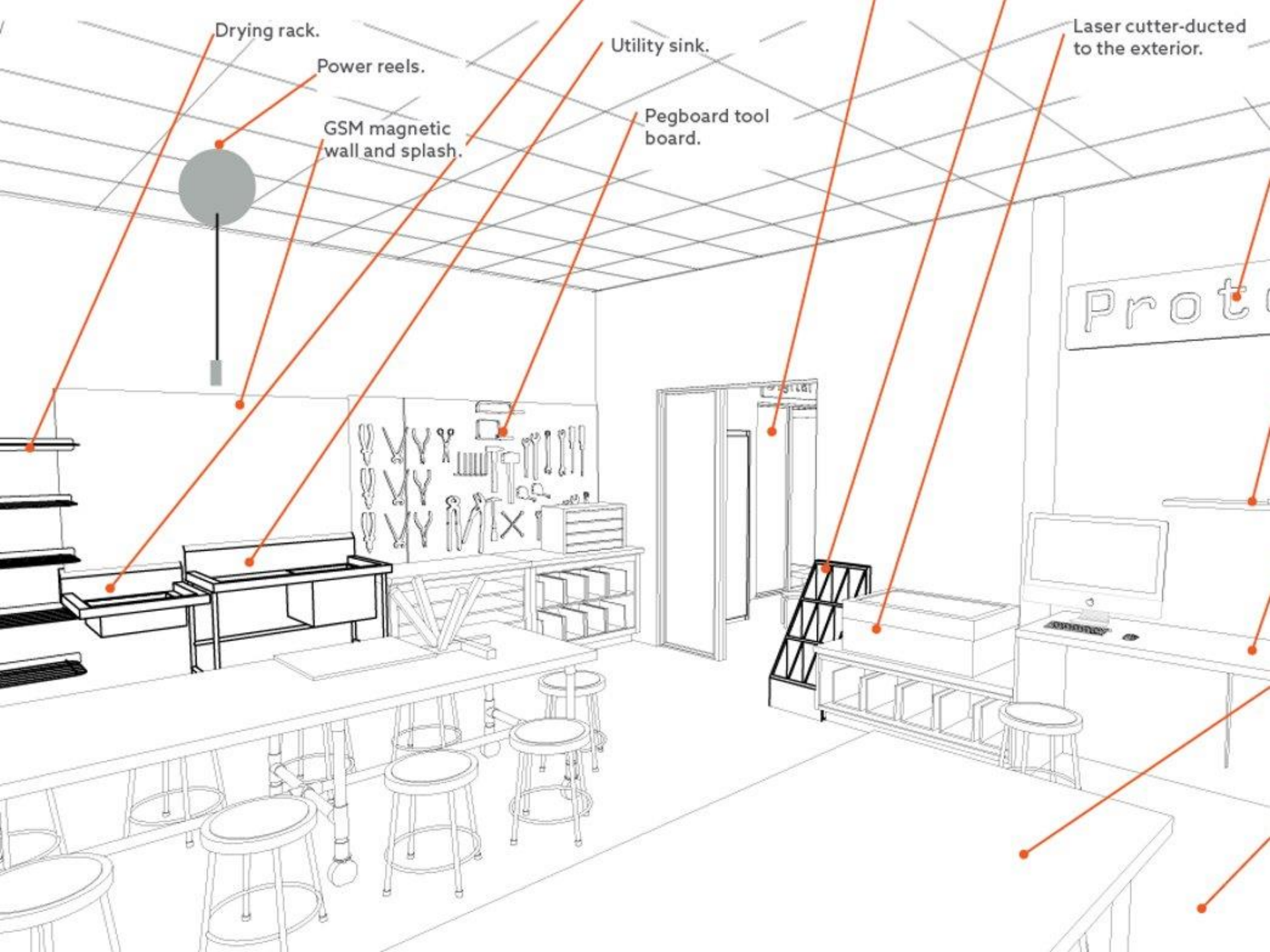
EVERYONE IS A MAKER

MAKERSPACE MASTER PLAN



GYROSCOPE INC

June 19, 2017



Drying rack.

Power reels.

GSM magnetic
wall and splash.

Utility sink.

Pegboard tool
board.

Laser cutter-ducted
to the exterior.

Proto



Challenges







Thank You!



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