Macro-Lab

Team Design Project

Group 8

Spring 2006

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Blurring the lines

* Create an atmosphere that reflects the users of the lab, both past and present

* Encourage designers to think more about the people for whom they are designing

Create a space

where:

* Group work is facilitated
* Innovation is encouraged
* Many disciplines collaborate
* Users are comfortable

for:

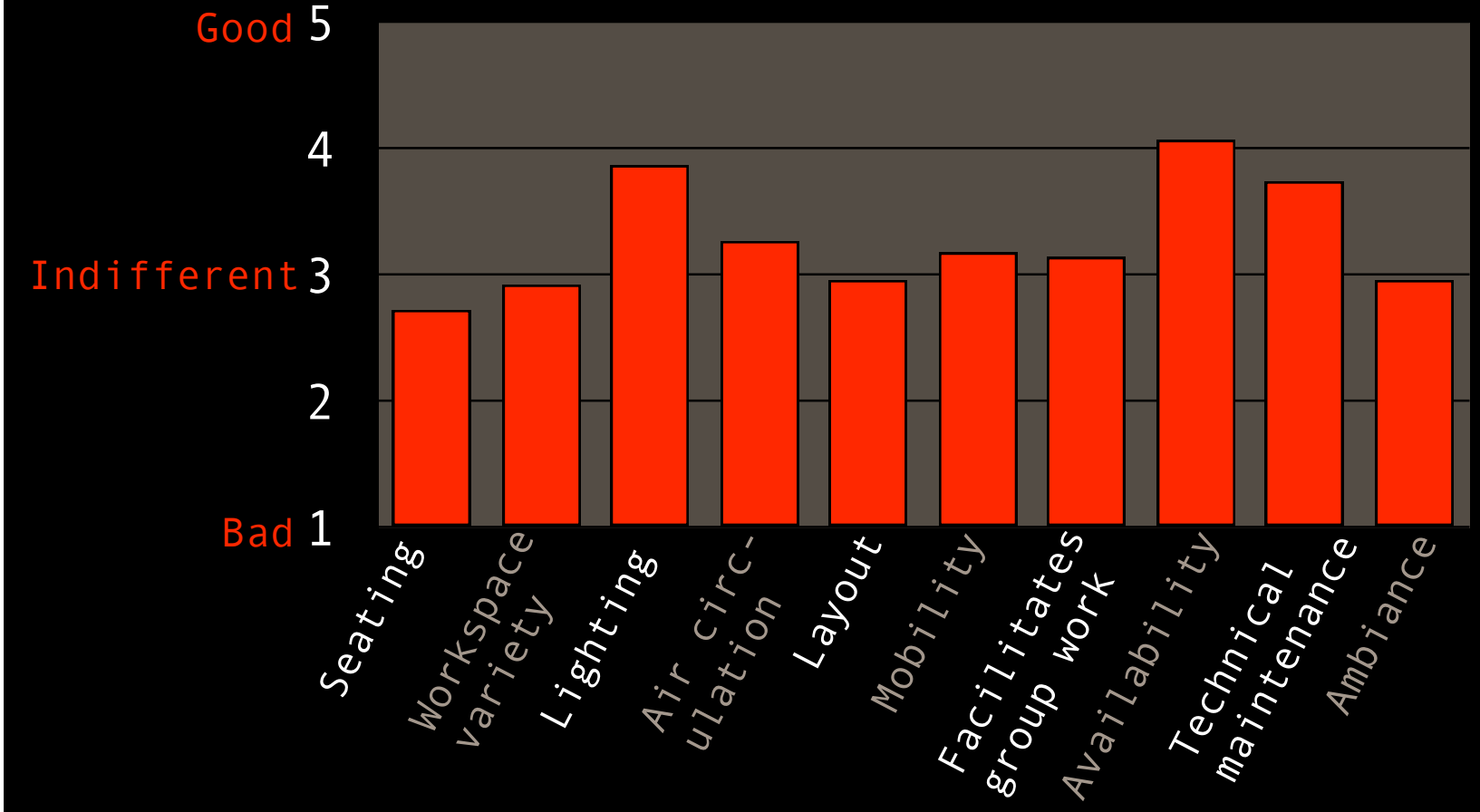
* Current students, potential donors, and prospective students

which is:

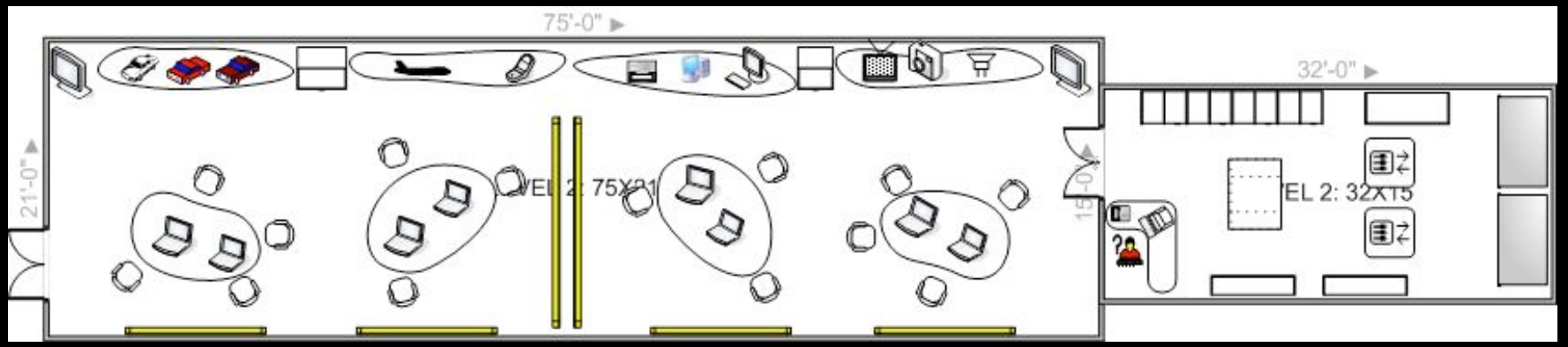
* Maintainable and sustainable
* Affordable
* Minimally supervised

What they said

26 people rated current spaces



Level Two



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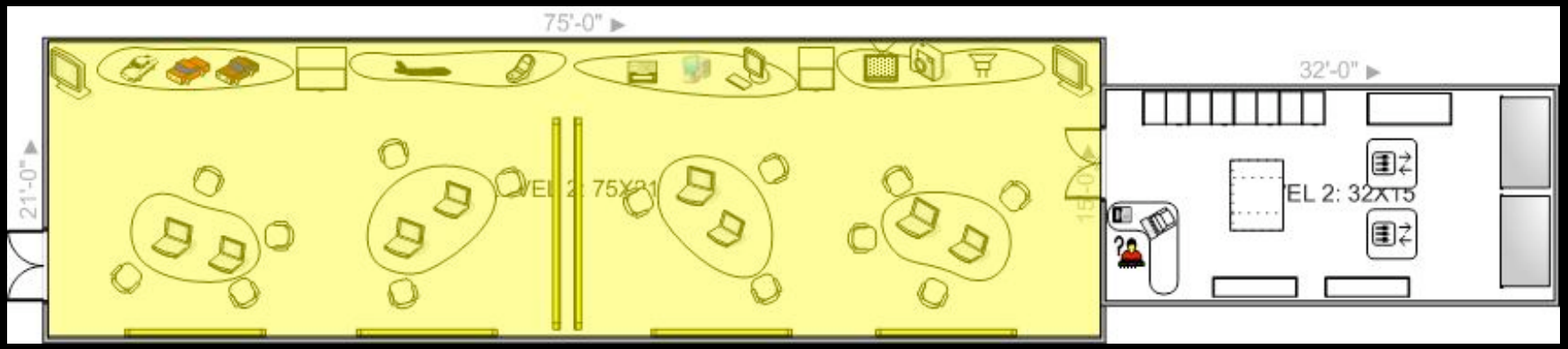
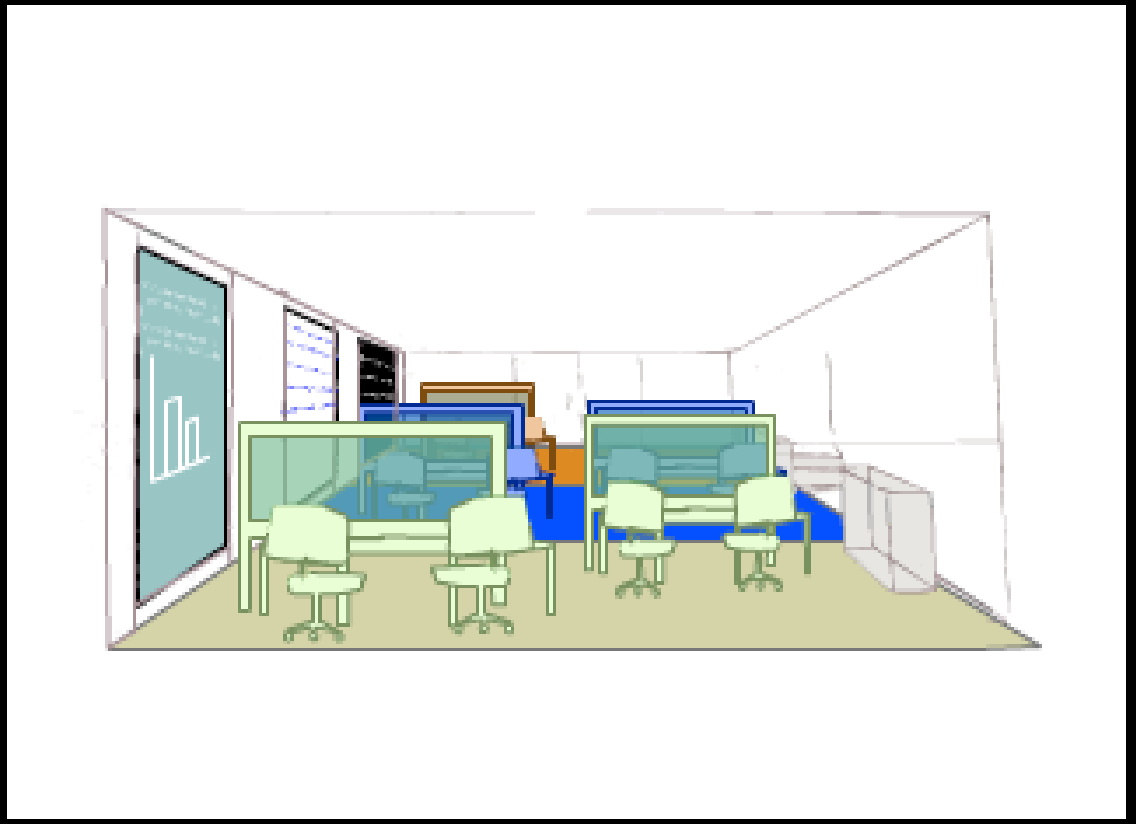
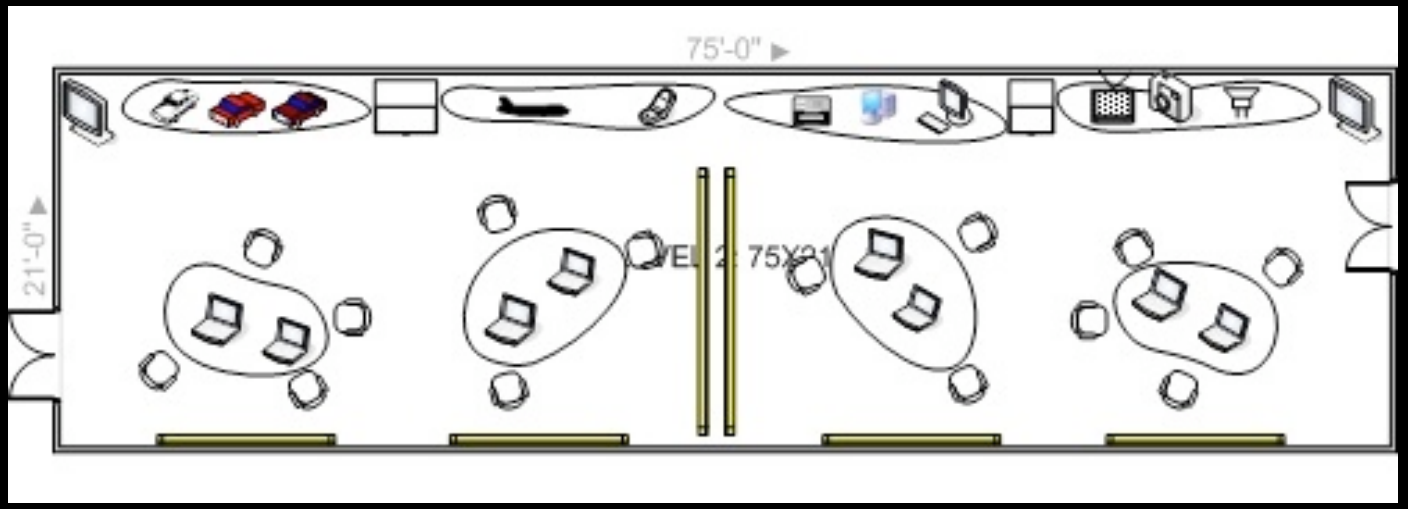


Design Continuum



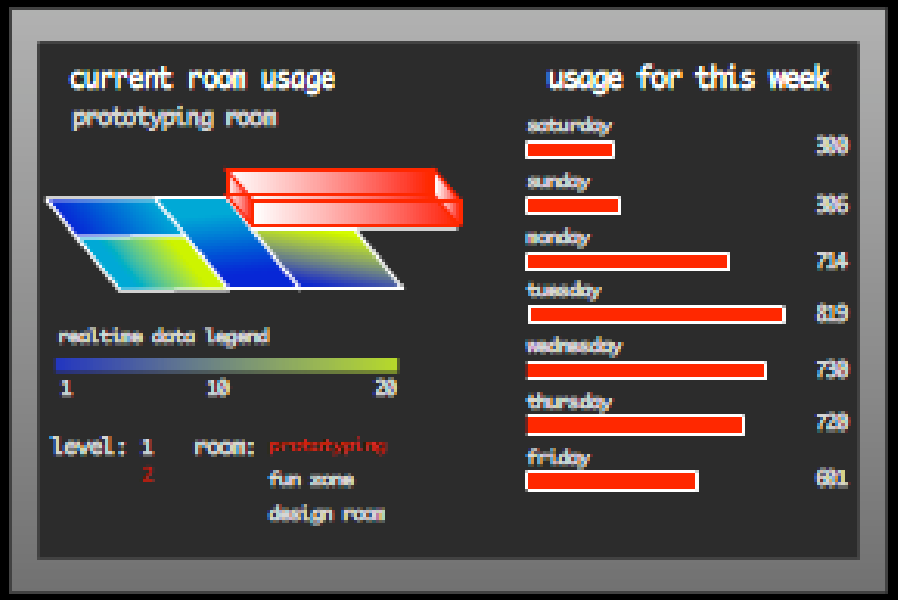
animation sequence

Group Work & Displays



* Facilitates team work
* Exhibits and continuum draw people in from cafe
* Sensors record real-time information of lab usage

Instant Feedback



animation sequence

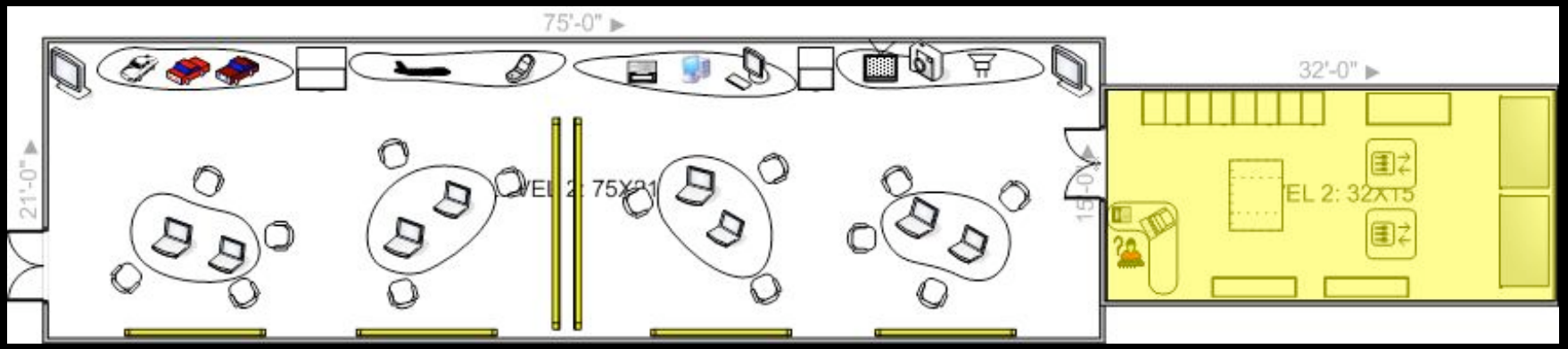
Hallways

Images courtesy of http://www.fredericeyl.de/aperture/

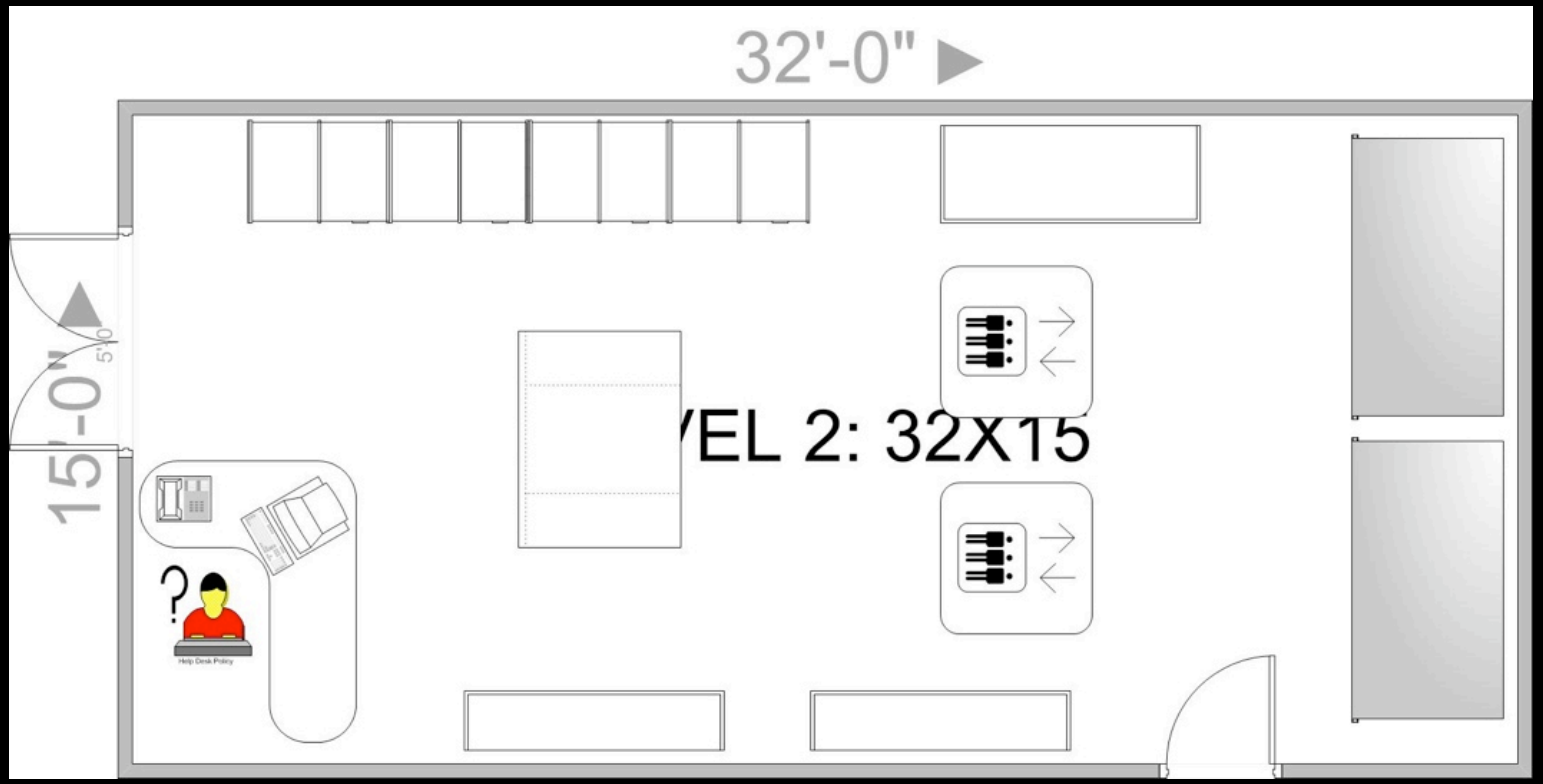
* Iris diaphragm installation in hallways

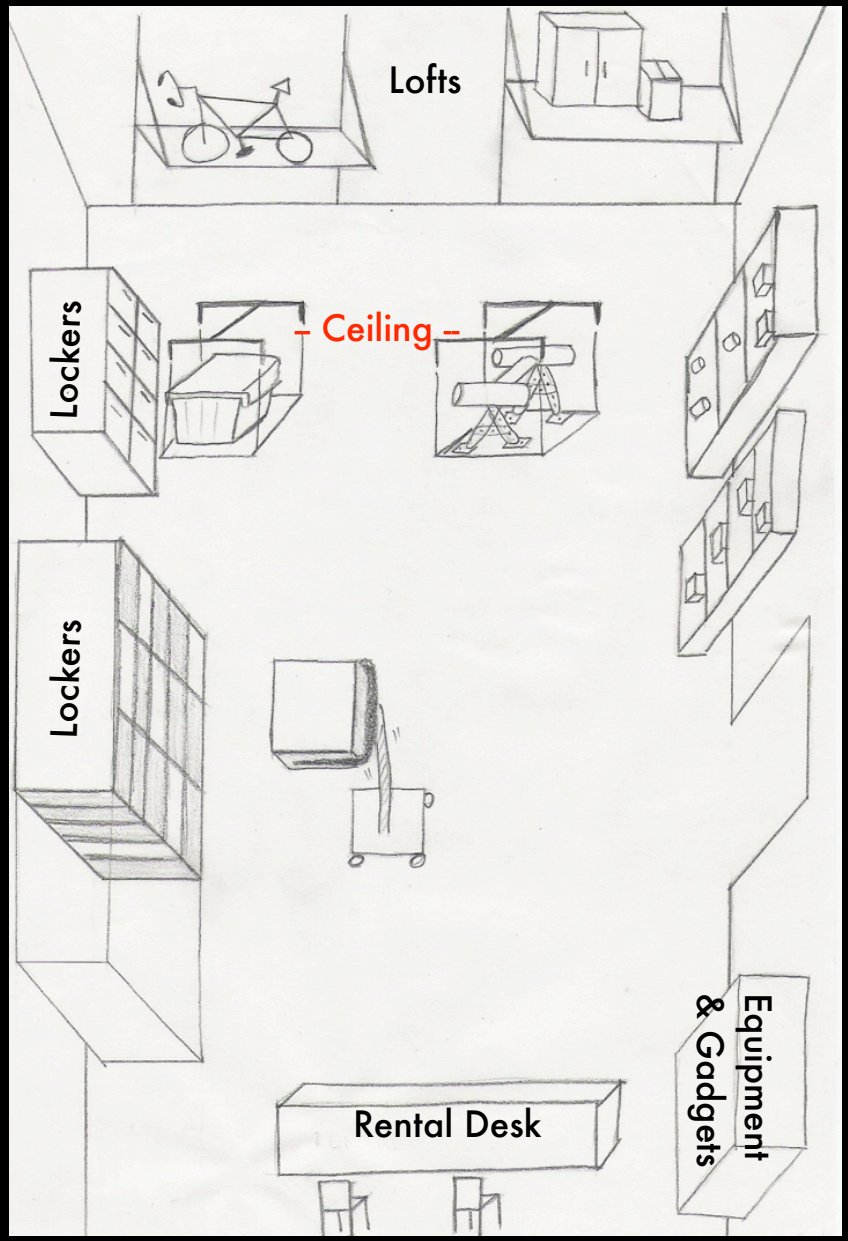
* Displays silhouettes of people walking through, currently and past

Level Two



Storage & Rentals



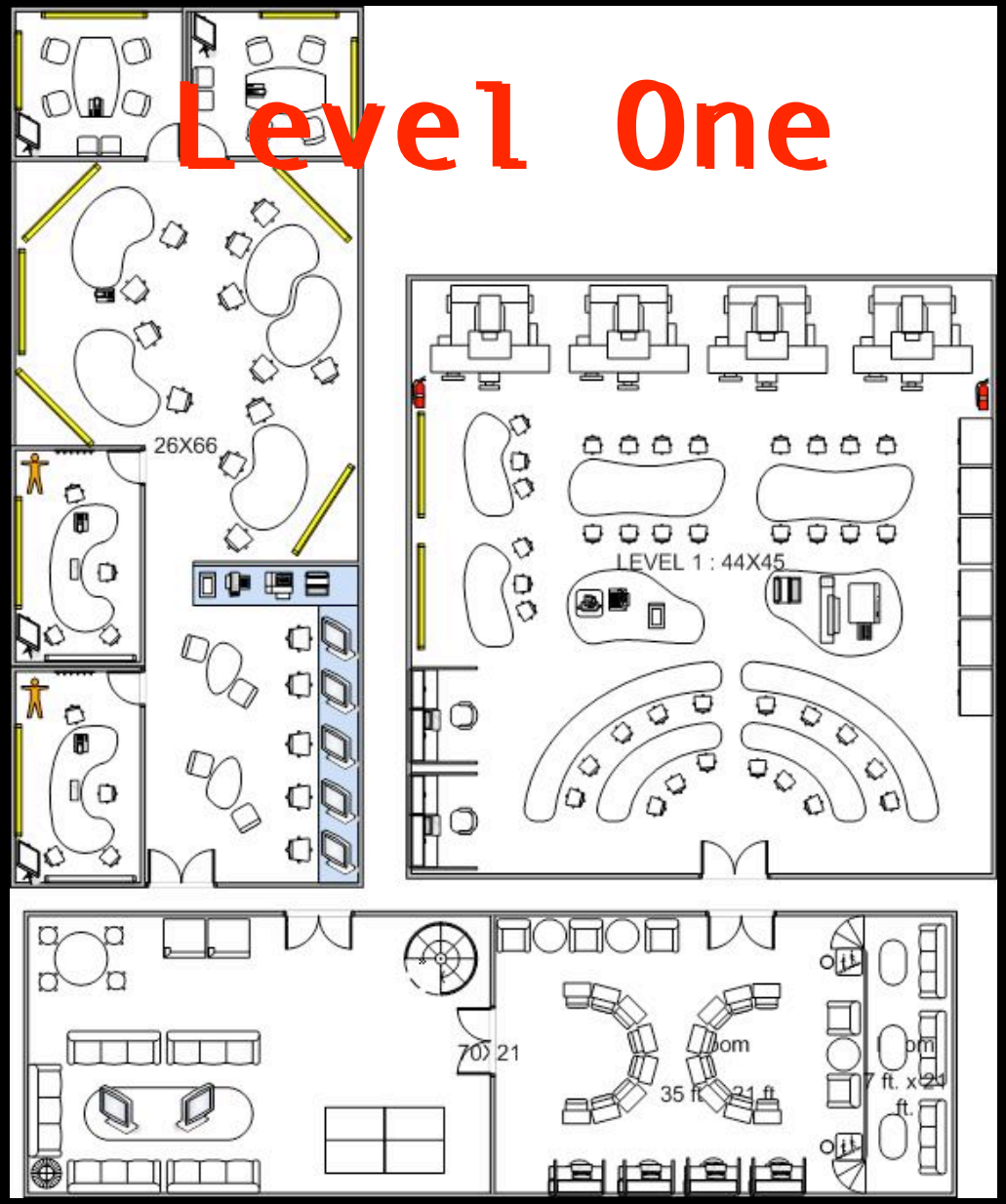


* Variety of options

* Ergonomic!

* Gadget rentals

Level One



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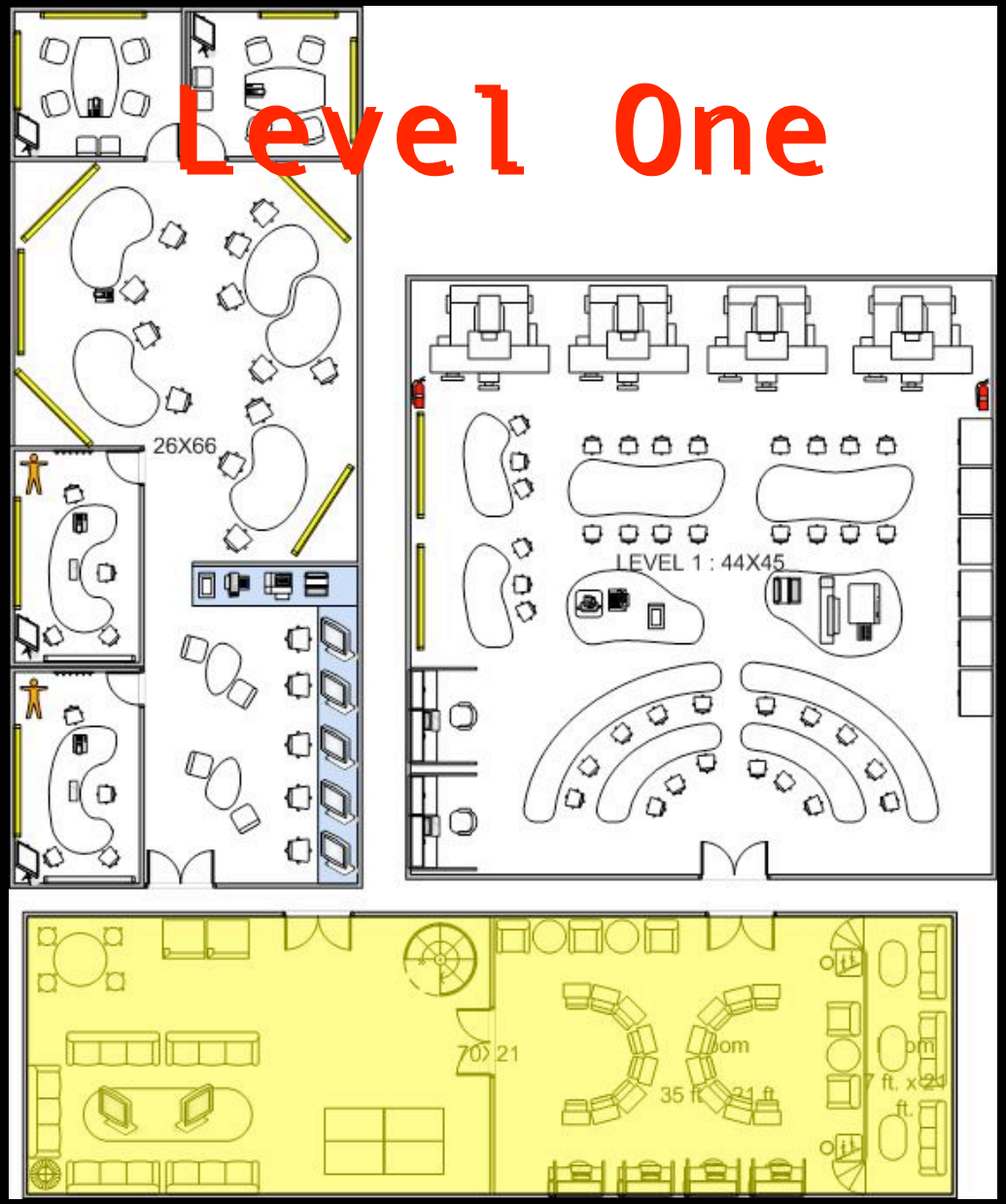
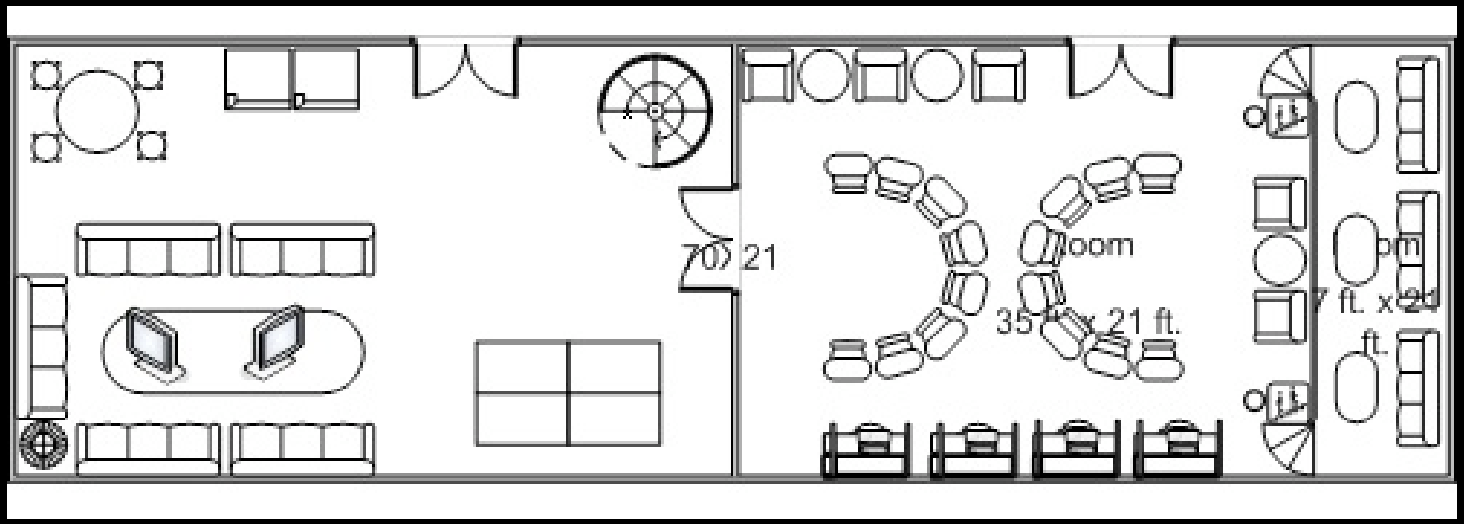
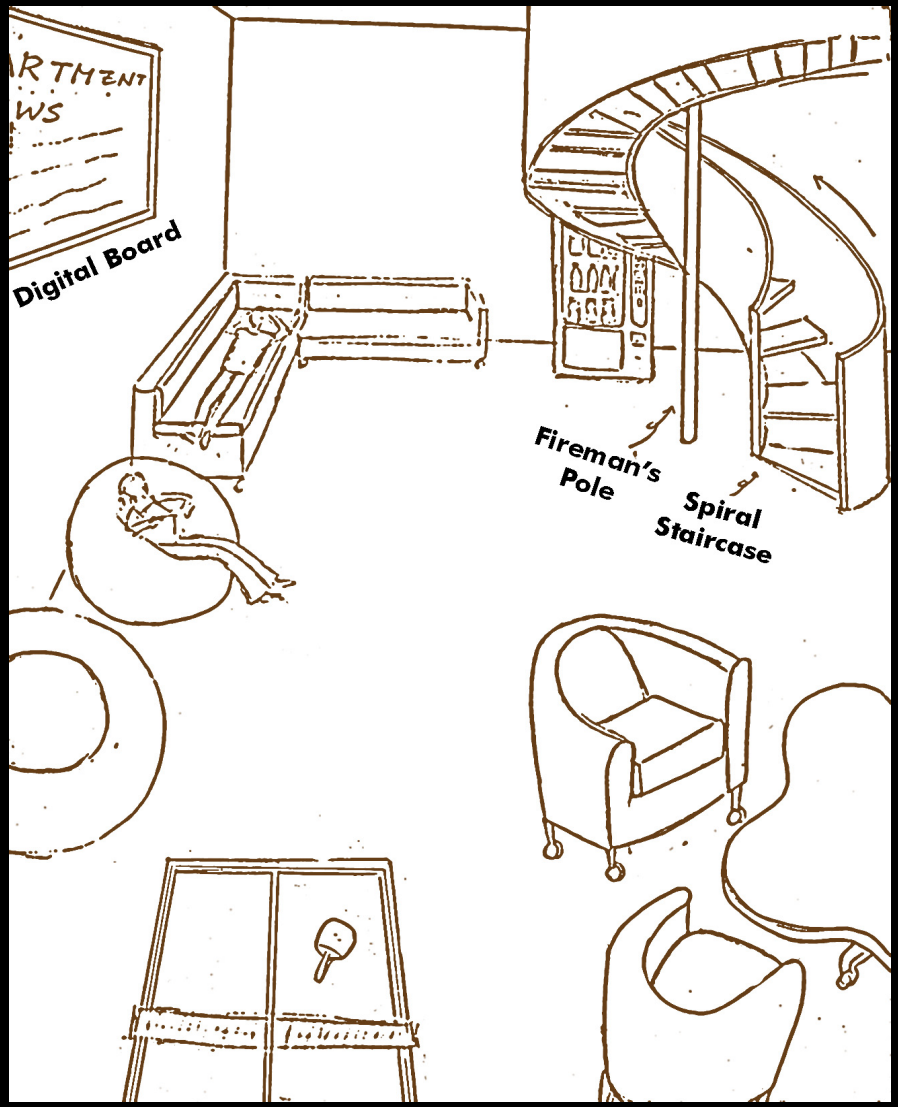


Study Lounge/**Fun Zone**



Fun Zone



Couches
- personal + group

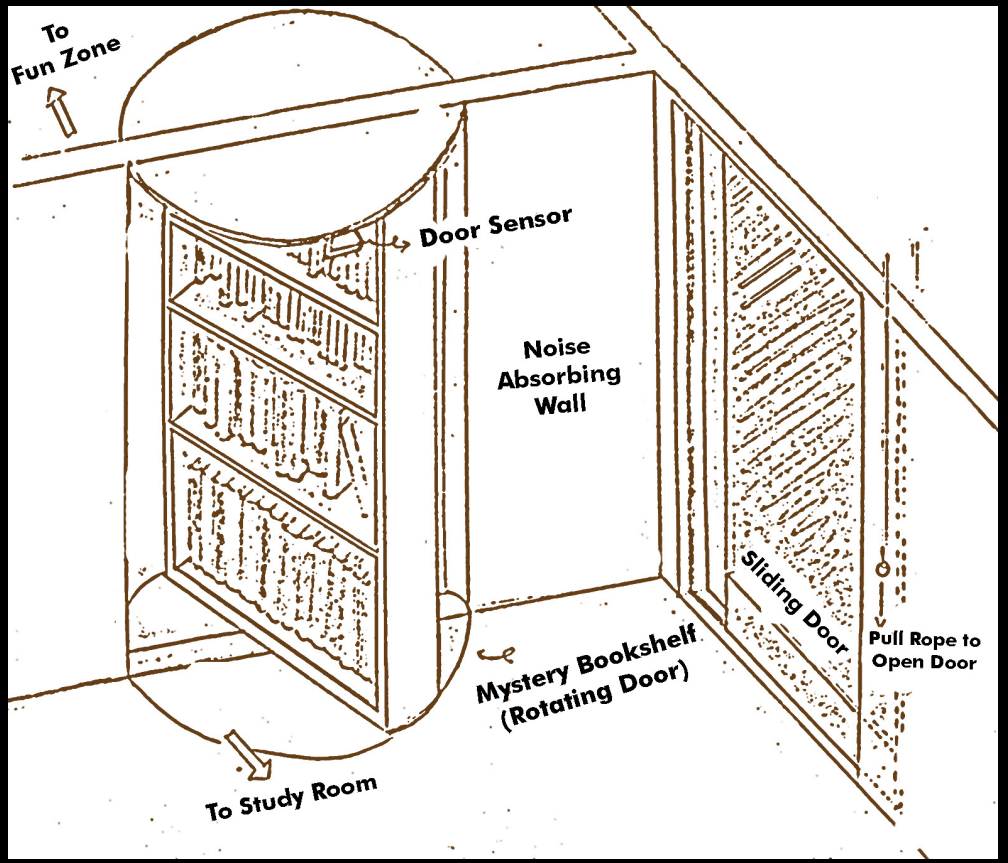
Games
- ping pong
- foosball
- pool

Fun/Inspiring Elements
- fireman's pole
- spiral staircase

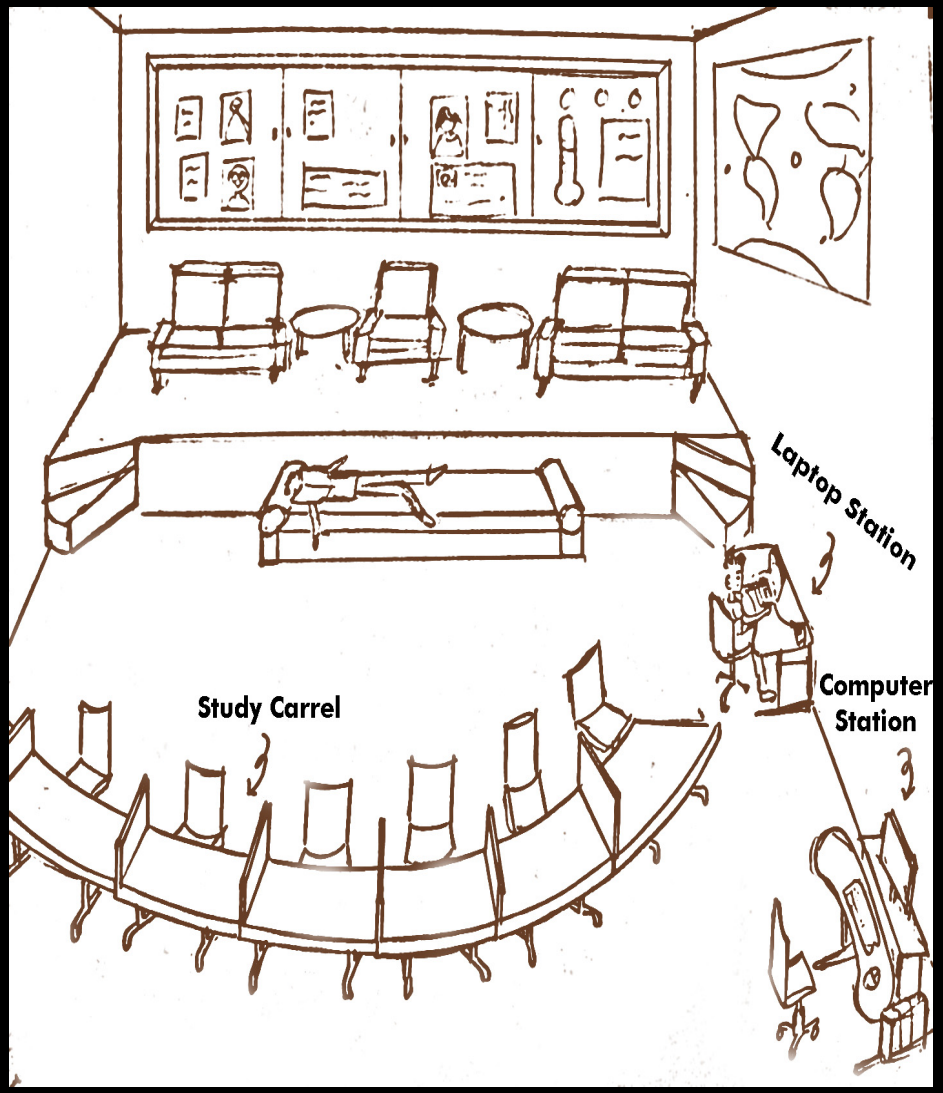
Vending Machines

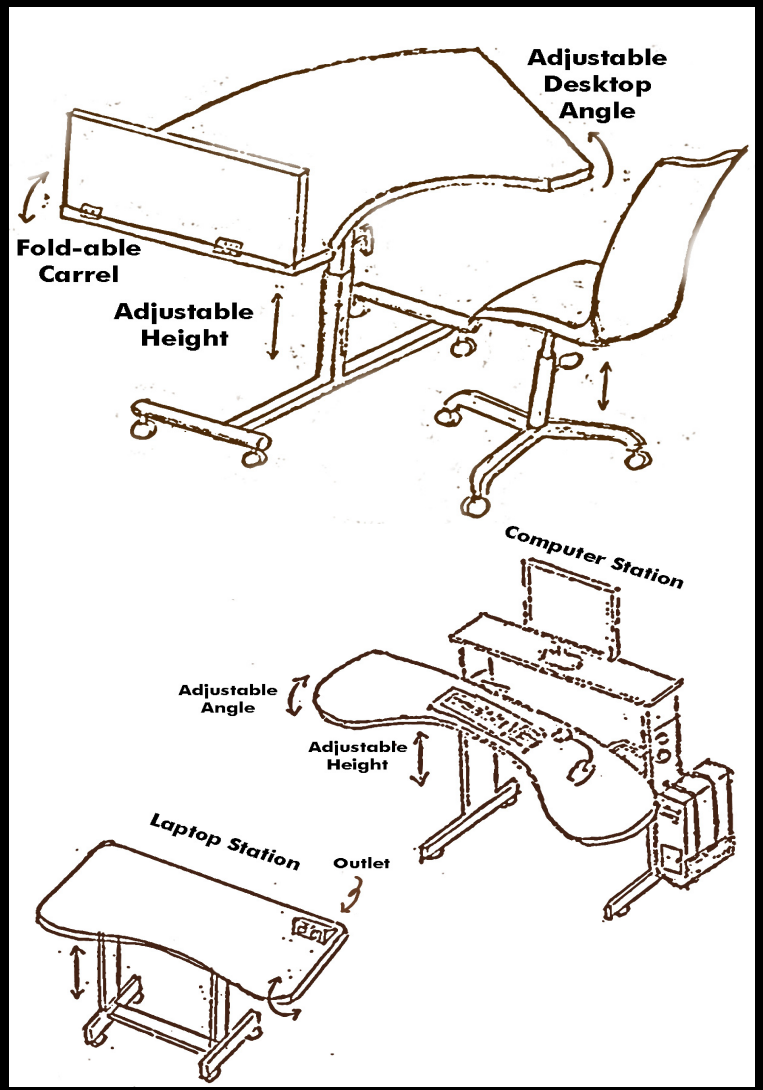
Digital Screen
- relaxing image
- announcements
- movie

Moving on...


To
Fun Zone
Door Sensor
Noise
Absorbing
Wall
Sliding Door
Pull Rope to
Open Door
Mystery Bookshelf
(Rotating Door)
To Study Room

Study Lounge





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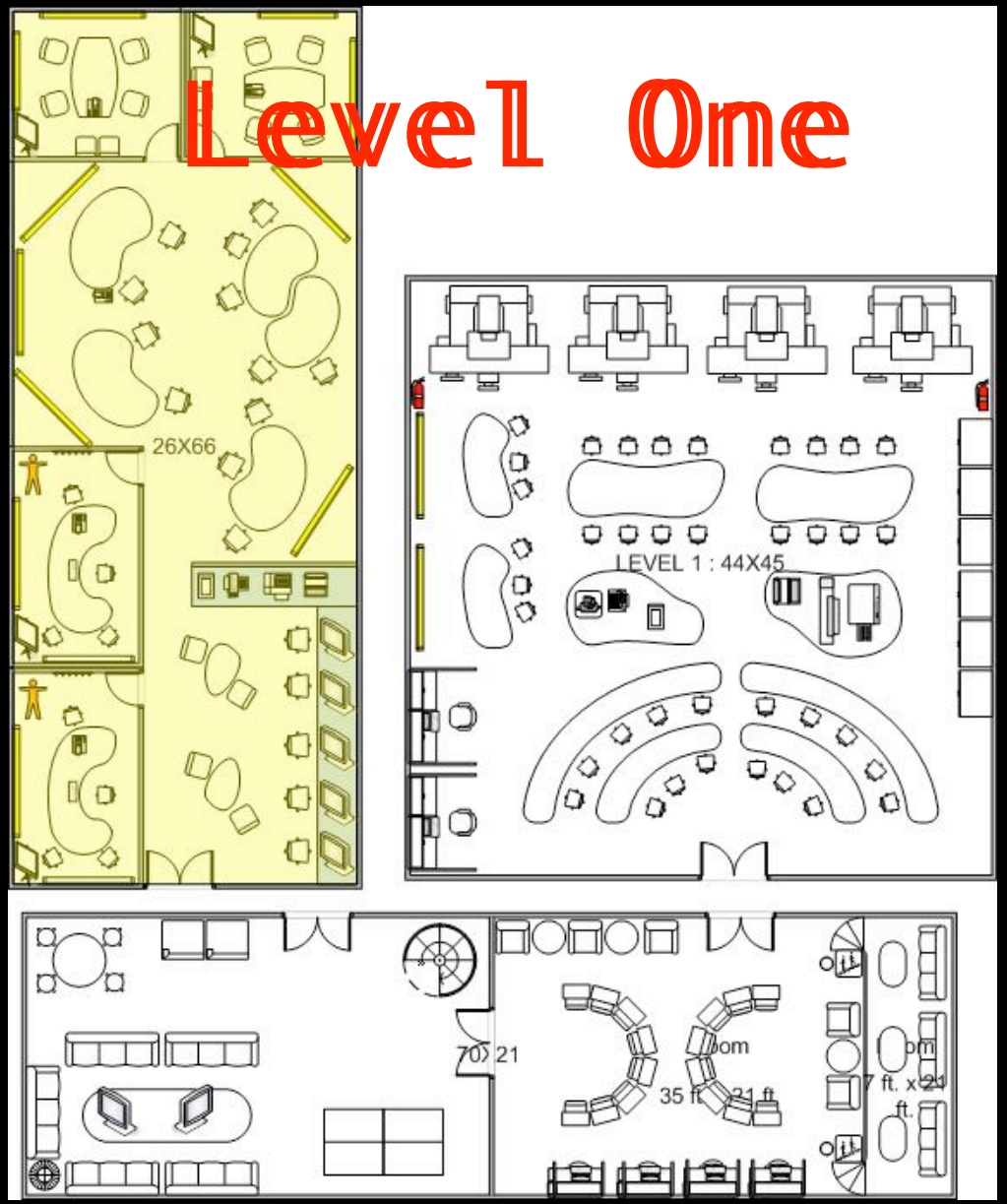
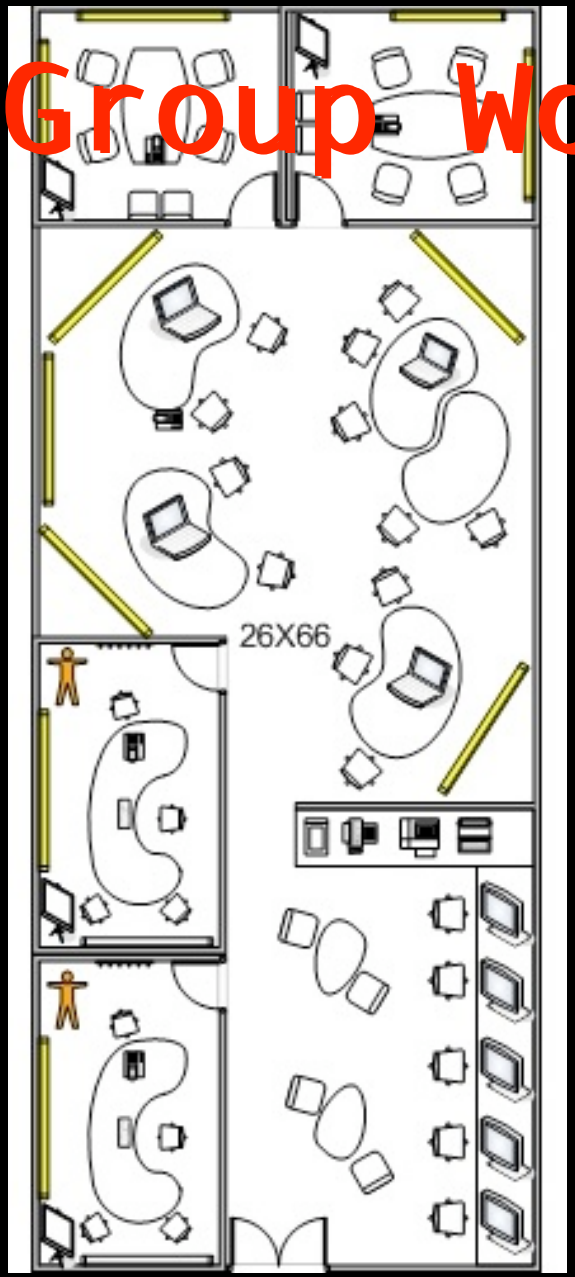


Group Work & Classes



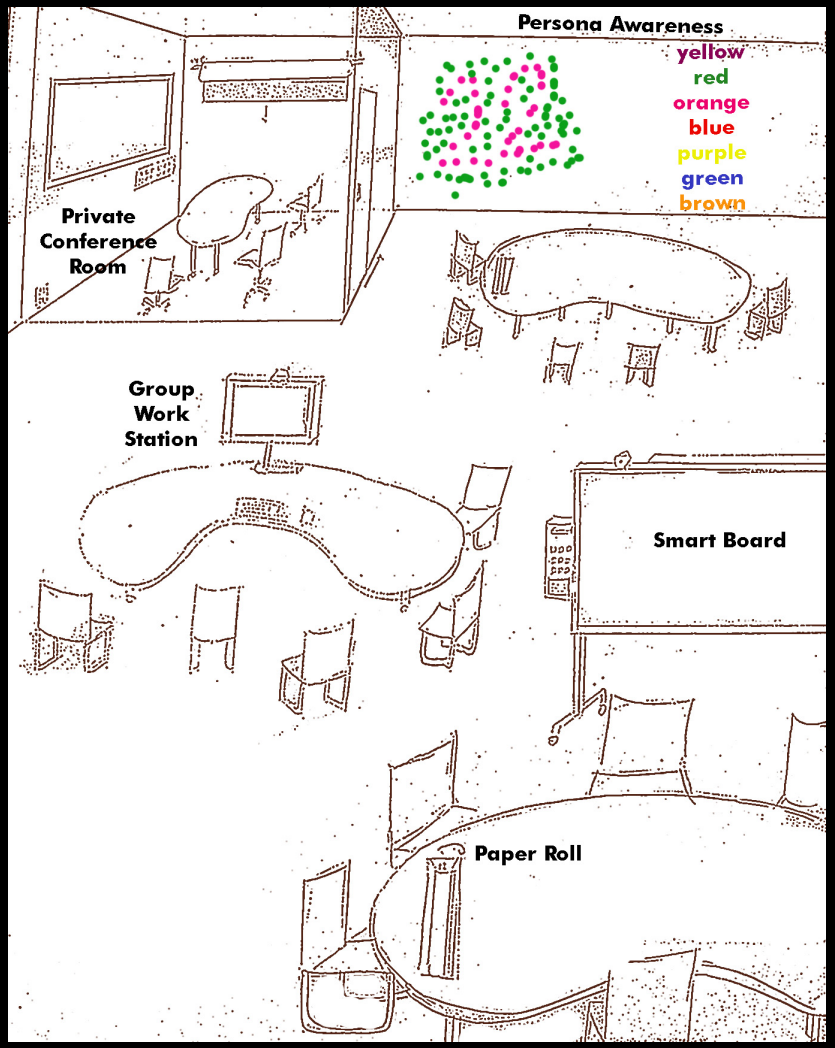
* Space can be changed with partitions

* Section for getting user feedback on prototypes

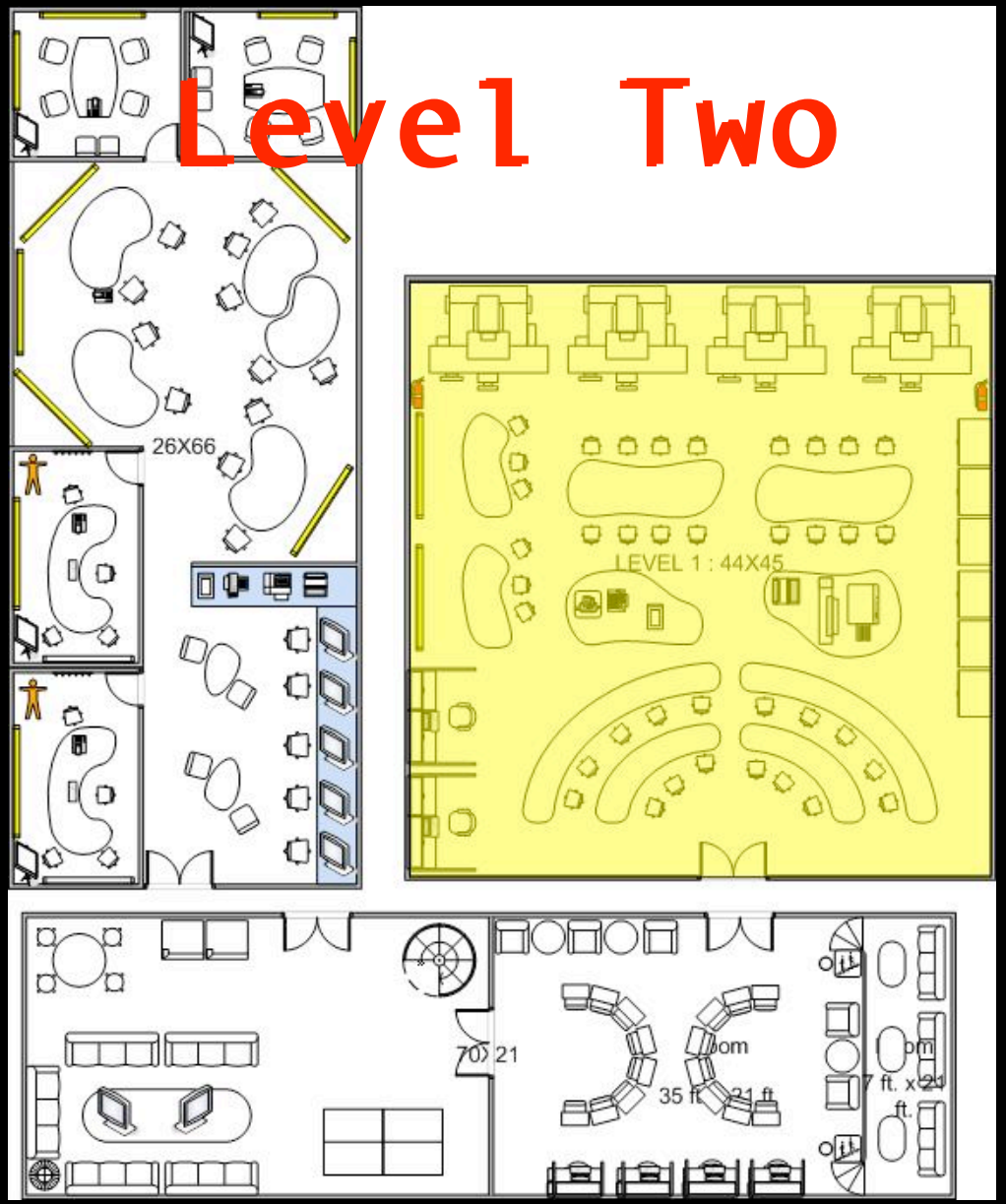
Awareness of others
- Color blindness

Variety of spaces

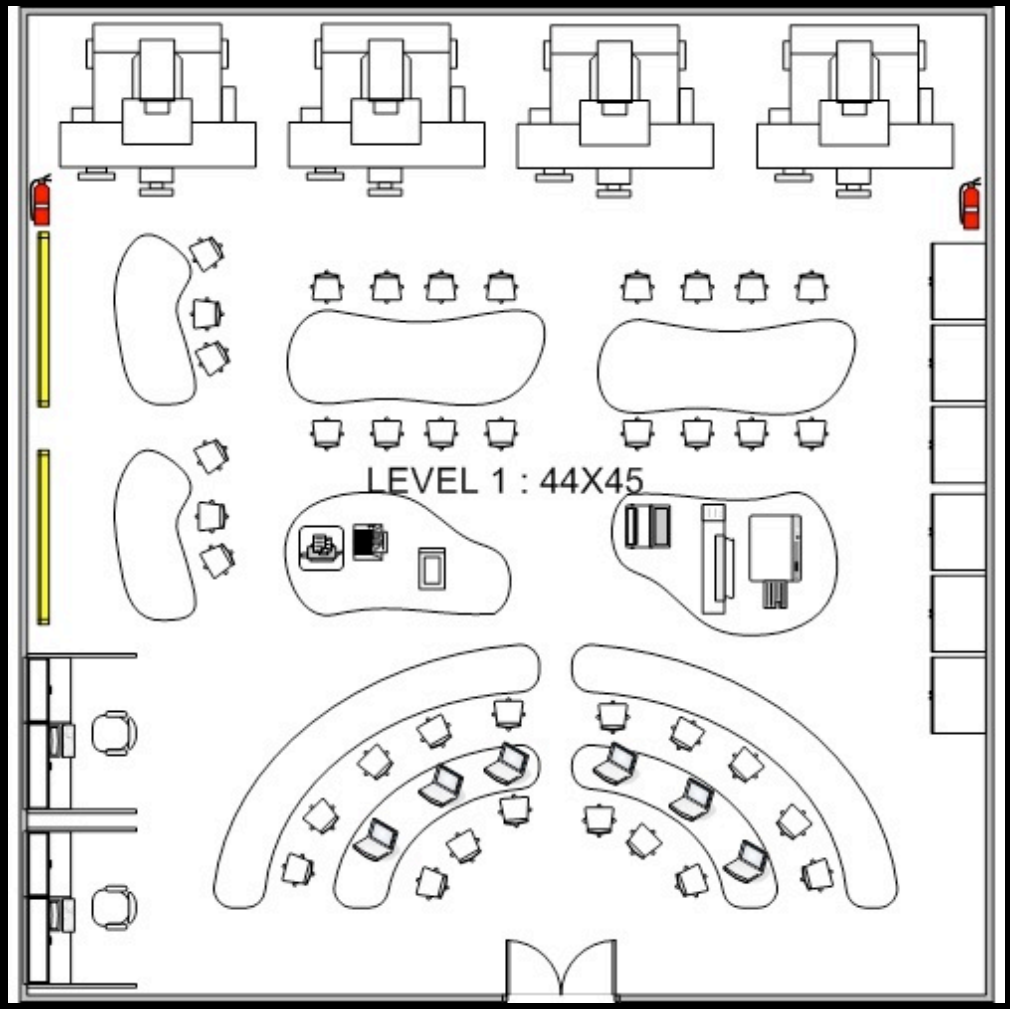
Better work zones
- Smart Board
- Paper Roll
- Pod-like tables



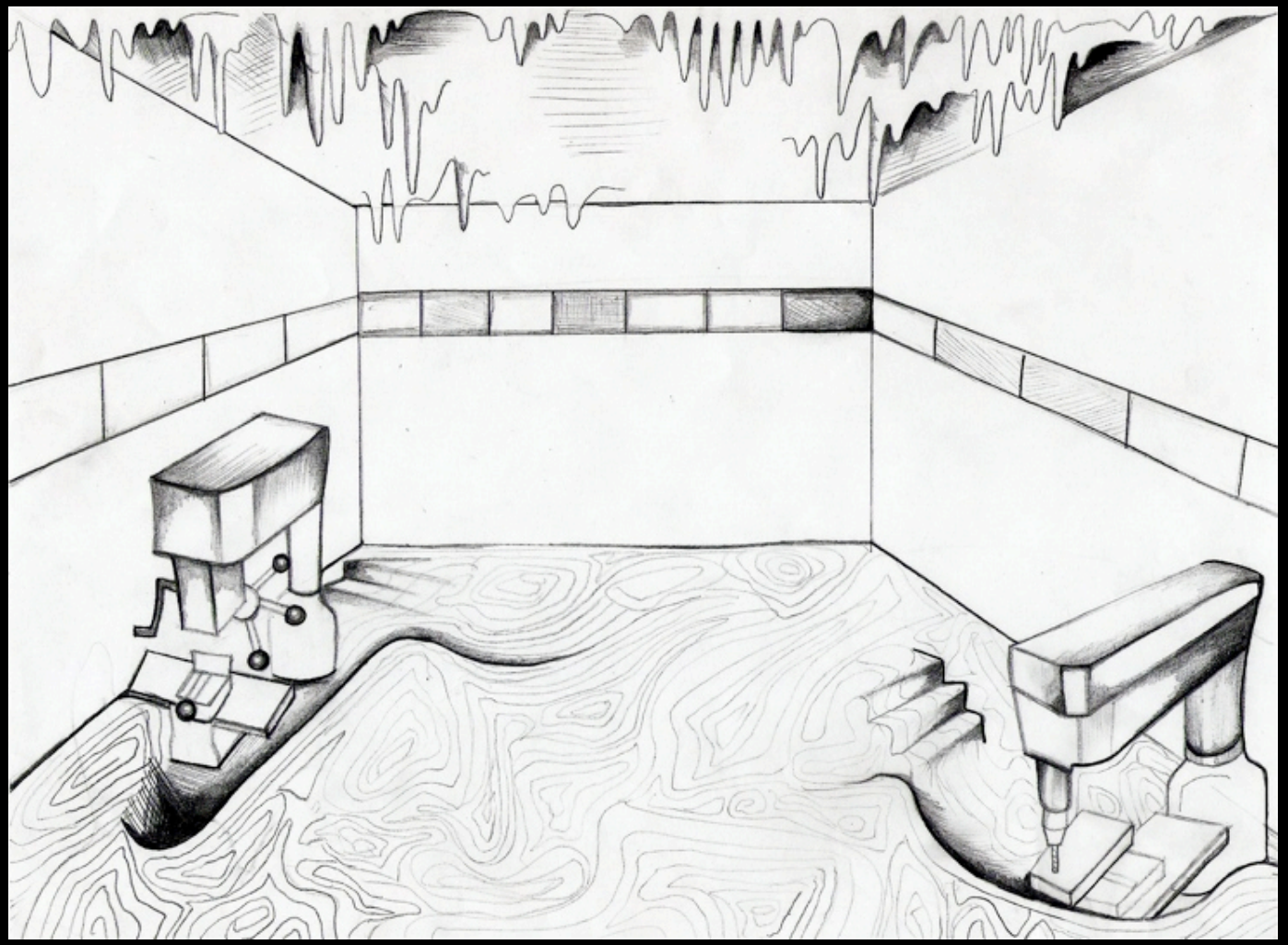
Level Two



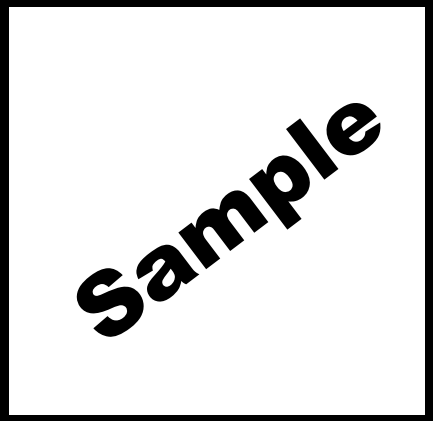
Prototyping **Room**

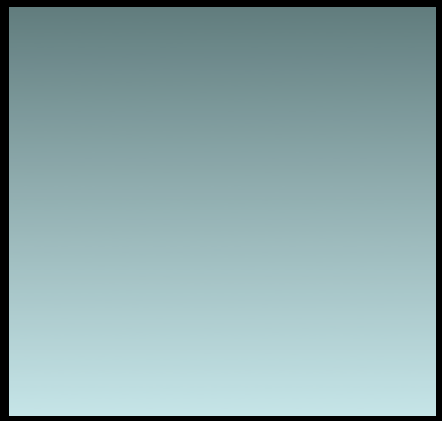


- Machine Shop
- Material Wall
- Floor drains
- Tool Wall
  - Basic Tools
  - Soldering irons
  - Wood cutting tools, Laser Cutter
  - FDM
  - 2 computers
  - Art supplies



Material Wall

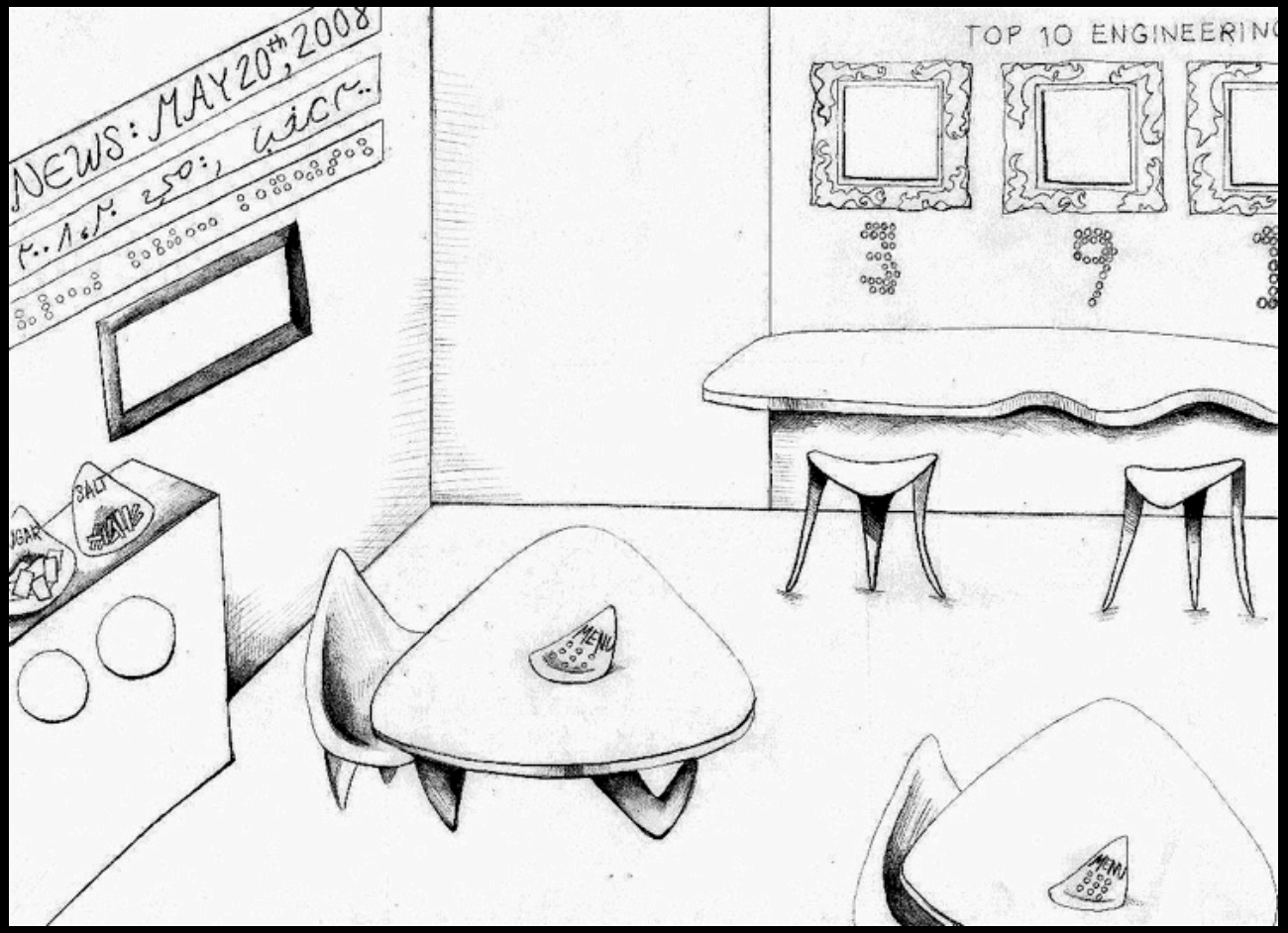




sample name	aluminum 1100-O
Density	2.71 g/cc
UTS	89.6 Mpa
E	68.9 Gpa
k	222 W/m-K

Metals, Ceramics & Plastics

Cyber Cafe



In Summary

* Blurring lines: between lab users and lab space, and between product designers and product users

* Create a practical, functional, and interesting space on the Berkeley campus

Thank you!