



Dani Zeghib

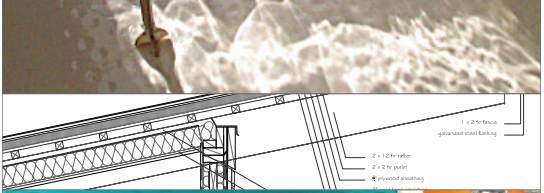
503 893 9893  
dani@iamdesigner.com

# contents

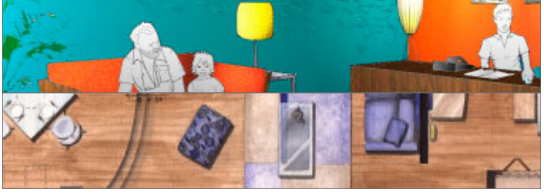
Seattle flexible mixed-use housing  
civic center gridshell structure



natural stimulus inpatient room  
detail drawings



call center warehouse interior  
NYC bachelor pad



cabin in the woods  
measured perspectives



fun  
personal statement



# coop-flex Seattle

flexible mixed-use housing  
across the lifespan

## Challenge

Seattle's housing costs are pushing out all but the affluent. The city's plethora of cultural and natural amenities make it a desirable place to live, but without a diverse population, it will lose its vitality.

In the meantime, climate and lifestyles are changing rapidly. Traditional design and construction no longer respond to our needs for environmental and economic sustainability, flexibility, and a sense of community.

## Solution

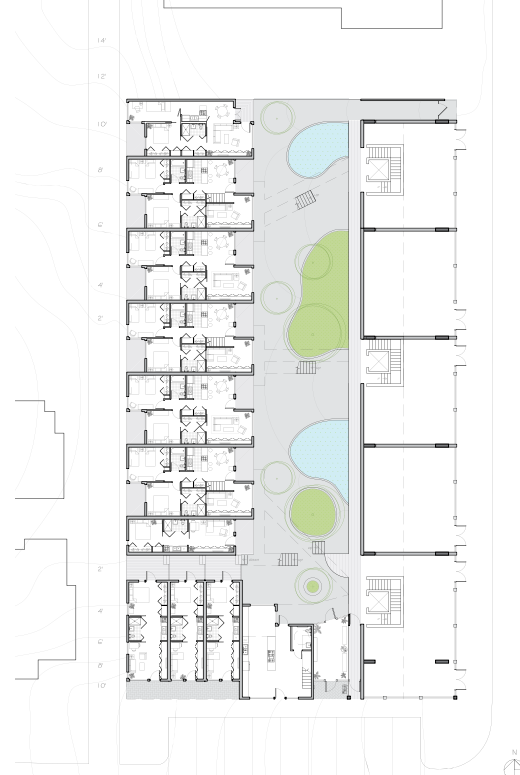
By challenging traditional notions of "multifamily housing," flexible dwellings change along with their inhabitants, fostering a long-term, intergenerational community.

A prefabricated systems approach to design & construction keeps material waste to a minimum and substantially decreases construction time.

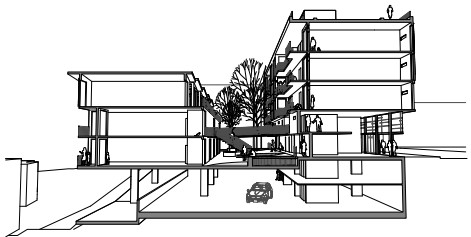
Its higher density is both environmentally sustainable and affordable. A common house, rooftop agriculture, and water harvesting & re-use (among other techniques) contribute to a unique and vibrant community.



Master's thesis



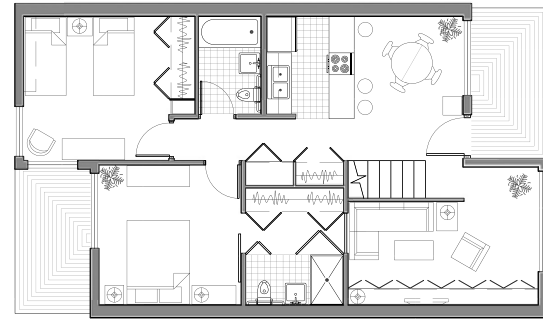
Ground Plan



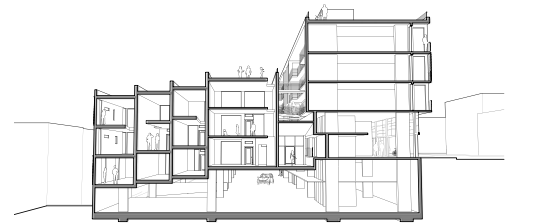
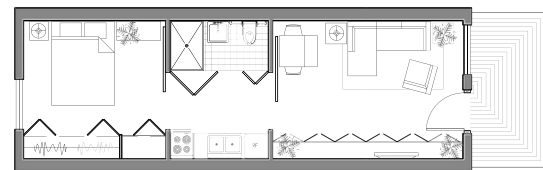
Lateral Section: courtyard



5+ room duplex

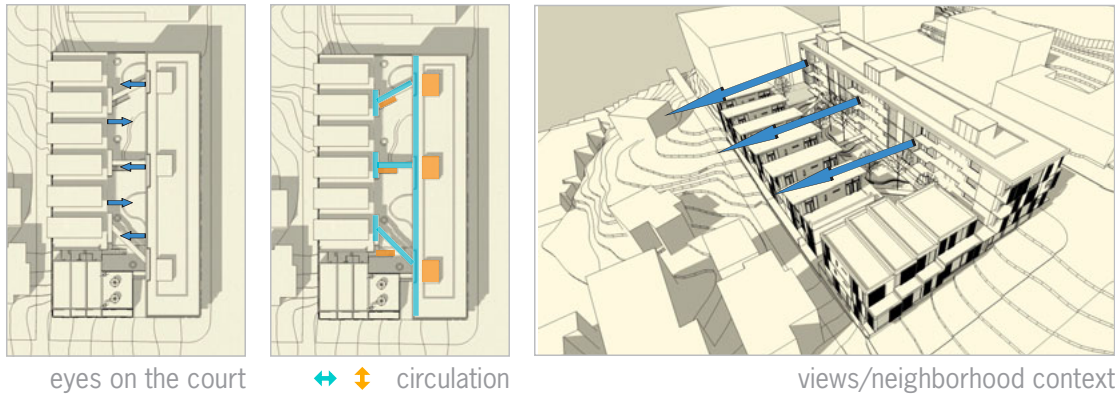


2 room flat



Lateral Section: south





eyes on the court

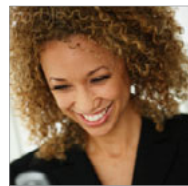
↔ ↕ circulation

views/neighborhood context



South (Edgar Street) Elevation

future-proofing **inhabit rent**



Young professional buys duplex and lives in smaller unit while renting out larger unit.



Partner moves in. Couple takes larger unit, renting out smaller unit.



Space crunch. Growing family takes up all the room they can get.



Empty nest. Each person has his/her own room. Rent out small unit.



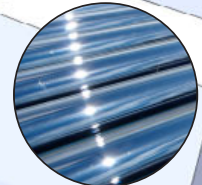
Grandma lives in small unit while adult daughter and grandkids stay below.



bio-filtration ponds



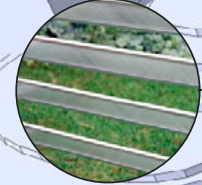
living wall



solar hot water



rooftop agriculture



flexible shading system



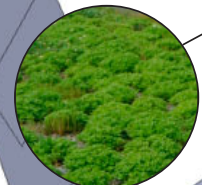
daylight & cross-ventilation



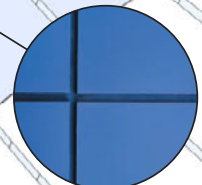
rainwater catchment



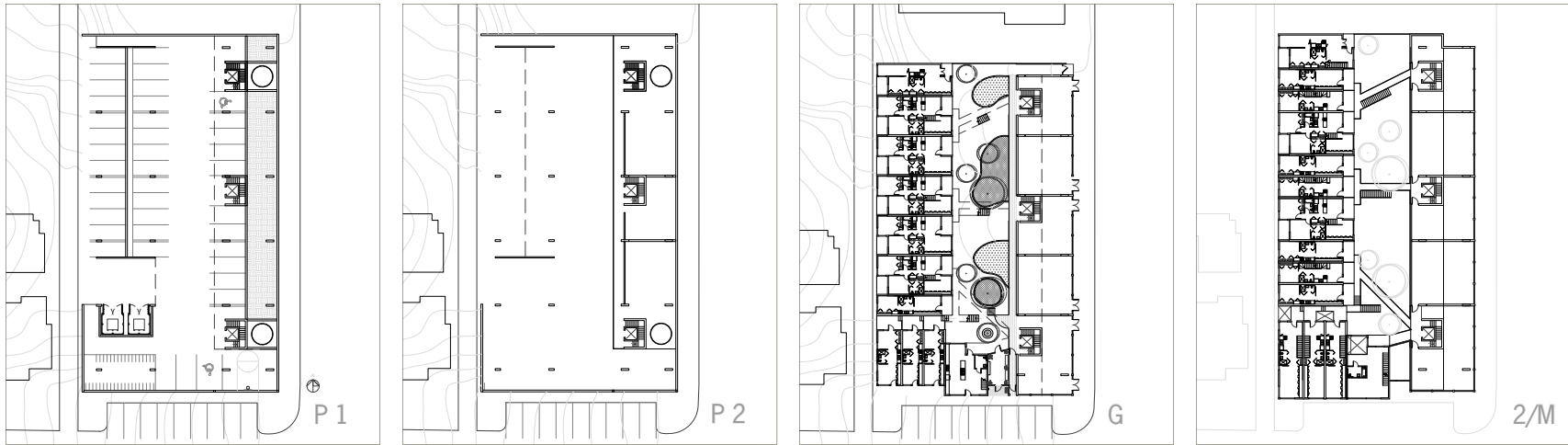
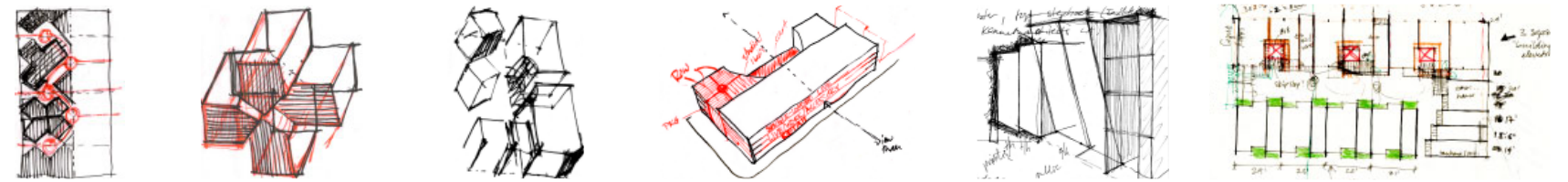
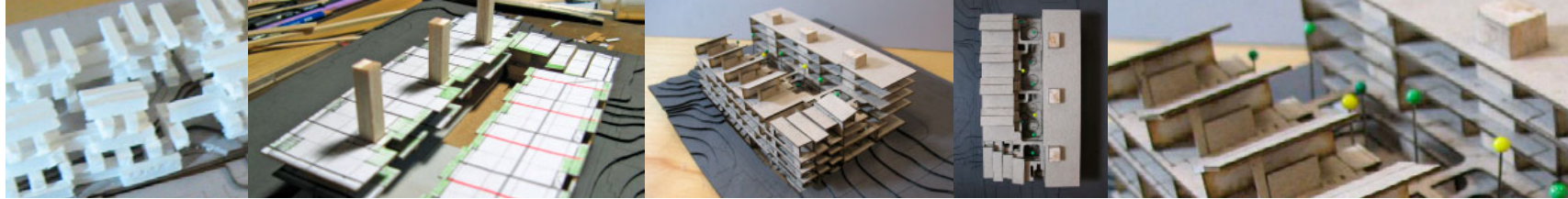
renewable cladding material



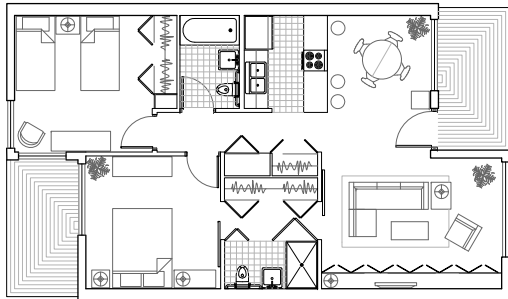
extensive green roofs



durable materials  
(fiber-cement board, composite decking, metal roofs, etc.)



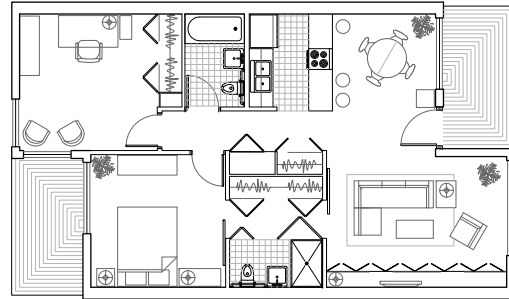
**One Unit, Many Uses**



single or couple with children



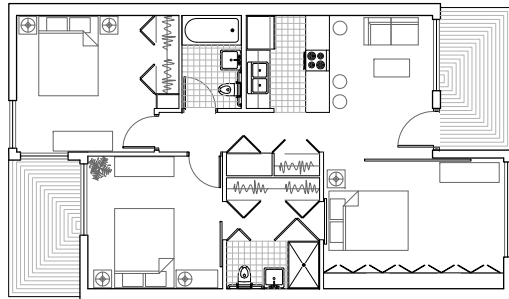
or



professional working from home



or



three students on a budget



West (Alley) Elevation

# grid.shell

2nd year

a community civic center  
gridshell structure in downtown Eugene

## Challenge

The proposal is to turn an existing brownfield site along the Willamette River in downtown Eugene into a vital community destination, including:

- a bicycle commuter hub and recreation center
- an arts & craft exhibit center/light manufacturing facility
- a permanent structure for a year-round farmer's market

## Solution

Collaborating within a team of three, an undulating, interlocking gridshell structure was designed and developed through to a quarter-scale prototype. Functioning as shelter from the elements, the contextually-responsive gridshell "trees" also provide rainwater catchment and diversion. On sunny days, the pattern casts sculptural shadows into the open-air market.

Organized along an east-west axis, promenades are designed to maximize river views while connecting to the popular 5th Street Market shopping district.

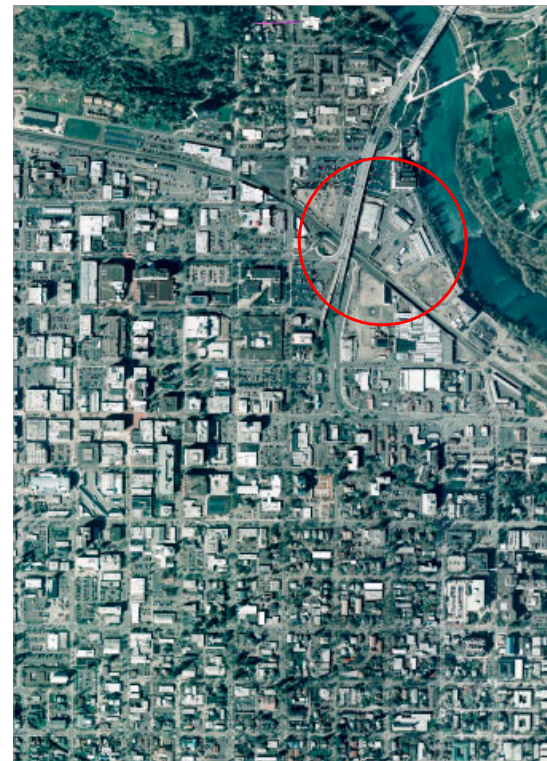
## Program

- 5,000 sf bicycle storage & repair center
- 2,500 sf shower facility
- 30,000 sf swim center
- 500 sf car sharing facility

Covered in-/out-door market with restaurant

- 20,000 sf community hall & exhibit center
- 2,000 sf retail gallery
- 3,000 sf community shop & assembly spaces
- 6,000 sf leasable craft/light-manufacturing shops

Parking for 300 cars



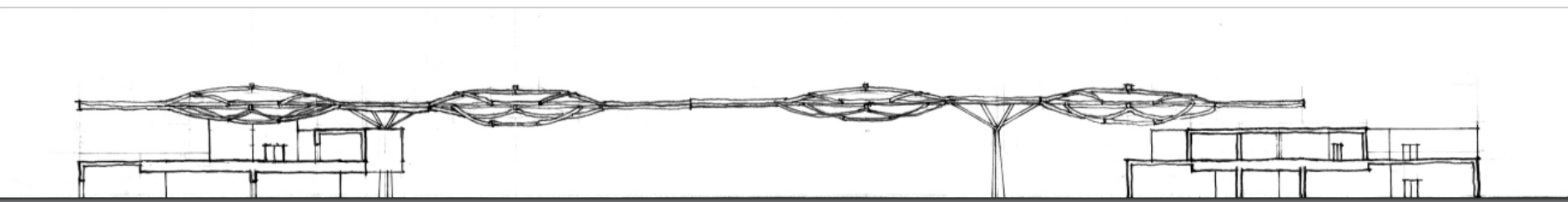
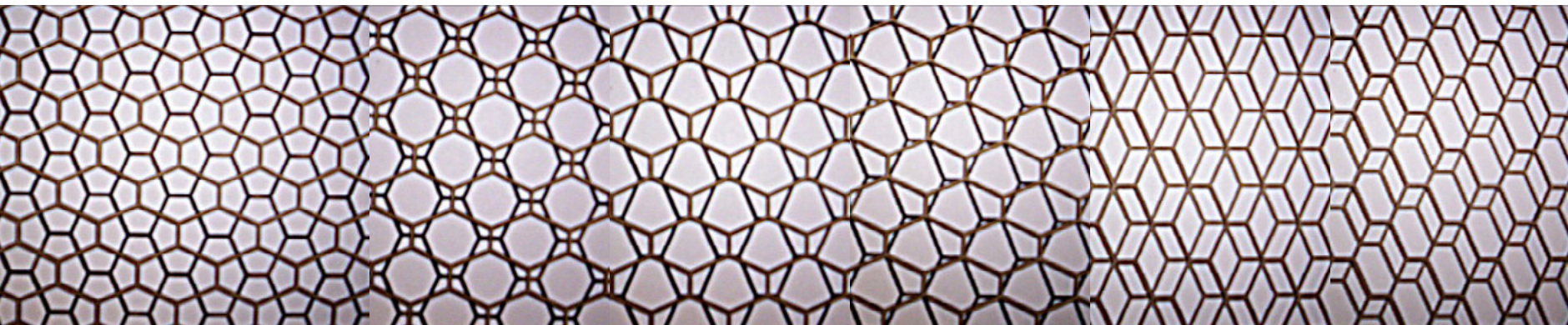
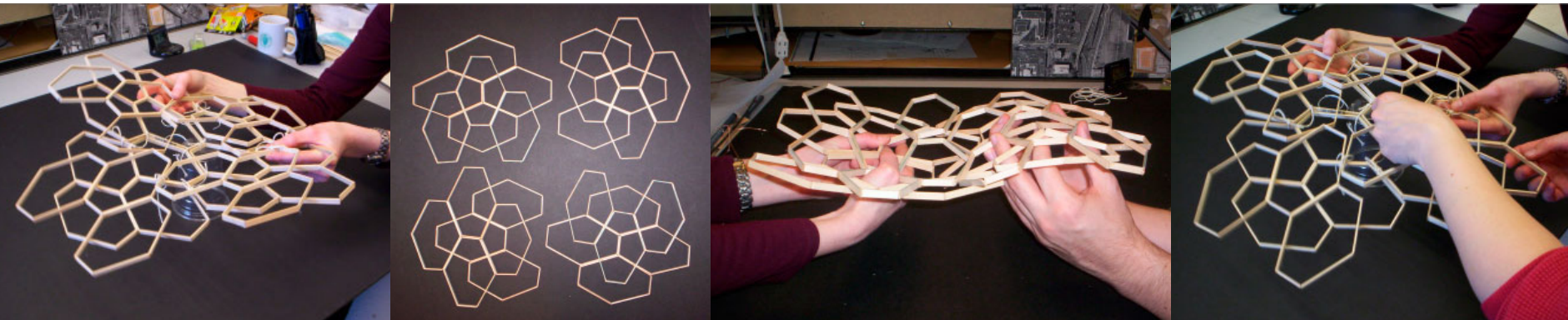


Exhibit Hall Section

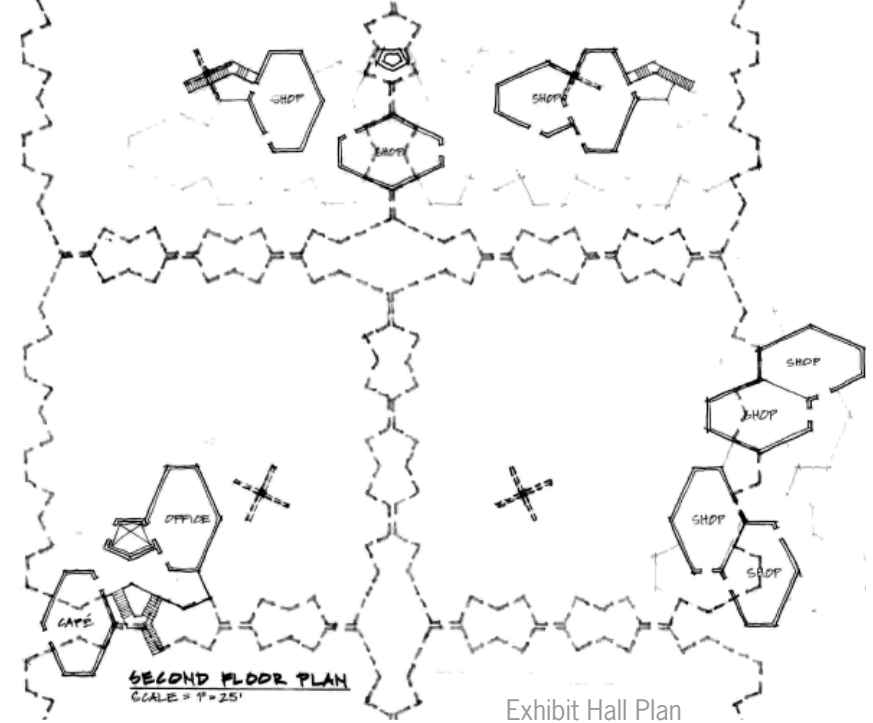
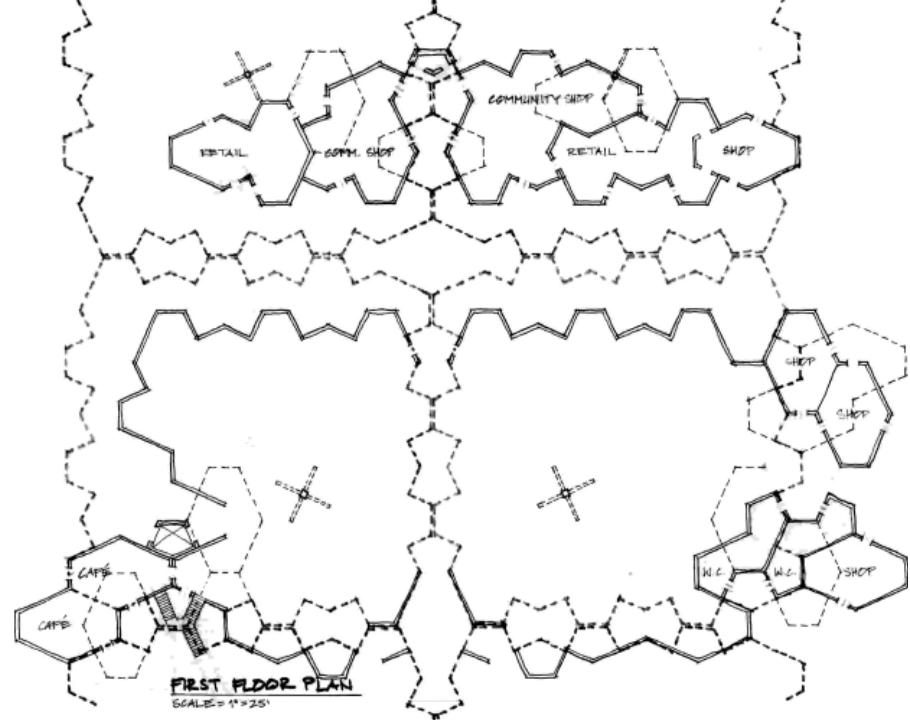
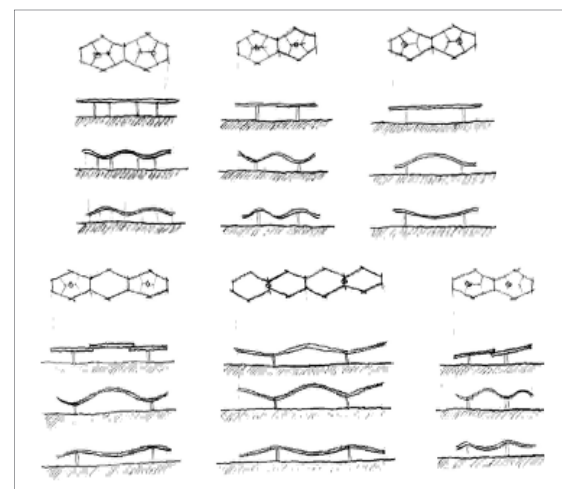


Exhibit Hall Plan

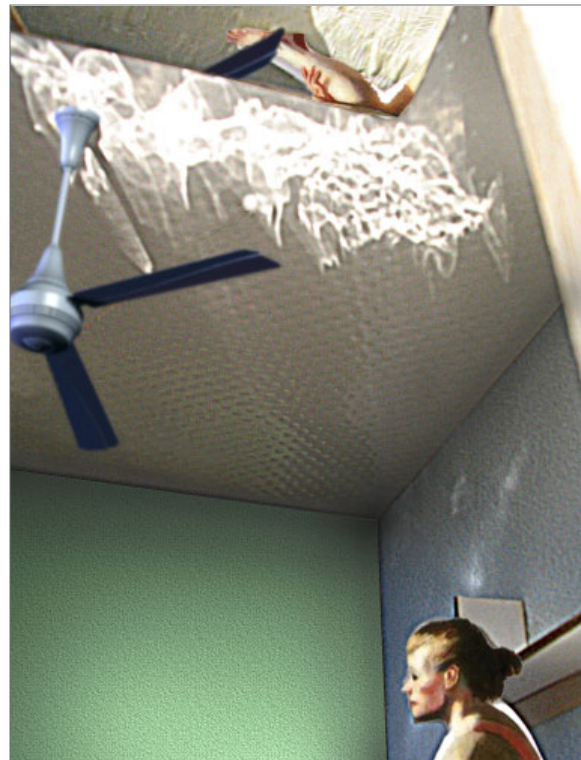


far left: view from 5th street promenade towards river  
 left: process sketches for grid structure  
 opposite top: experimenting with the module  
 opposite middle: material studies with overlapping pattern

# here now

inviting natural phenomena  
into an inpatient room

2nd year



top left: water/light shelf reflects moving  
water into room (physical model)

top right: mirrored base allows  
bedridden guests a view of nature

bottom right:  
exterior view of shelf

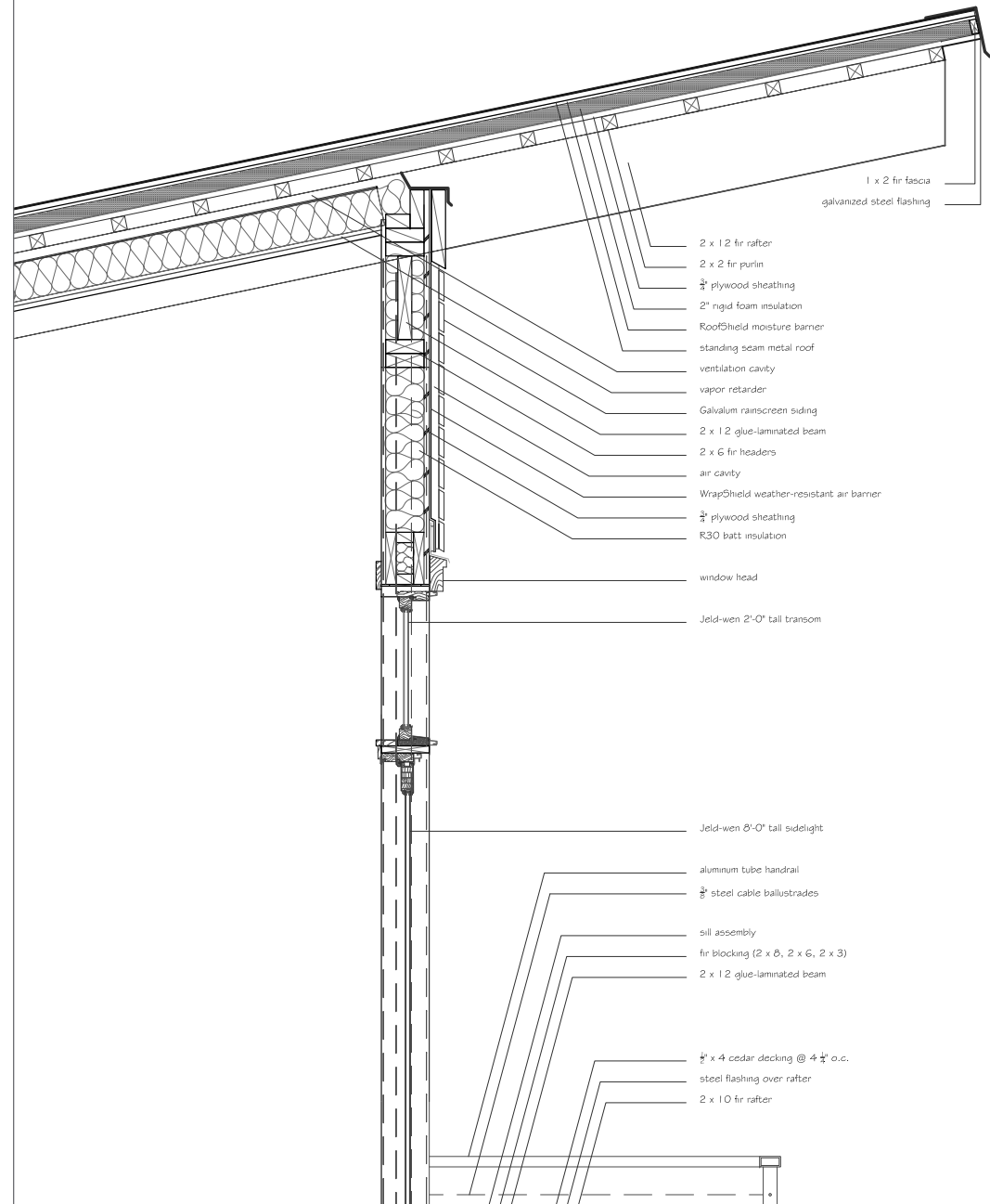
bottom left:  
reflected light seen from exterior

opposite: hospital room model  
reflected light dances on walls & ceiling

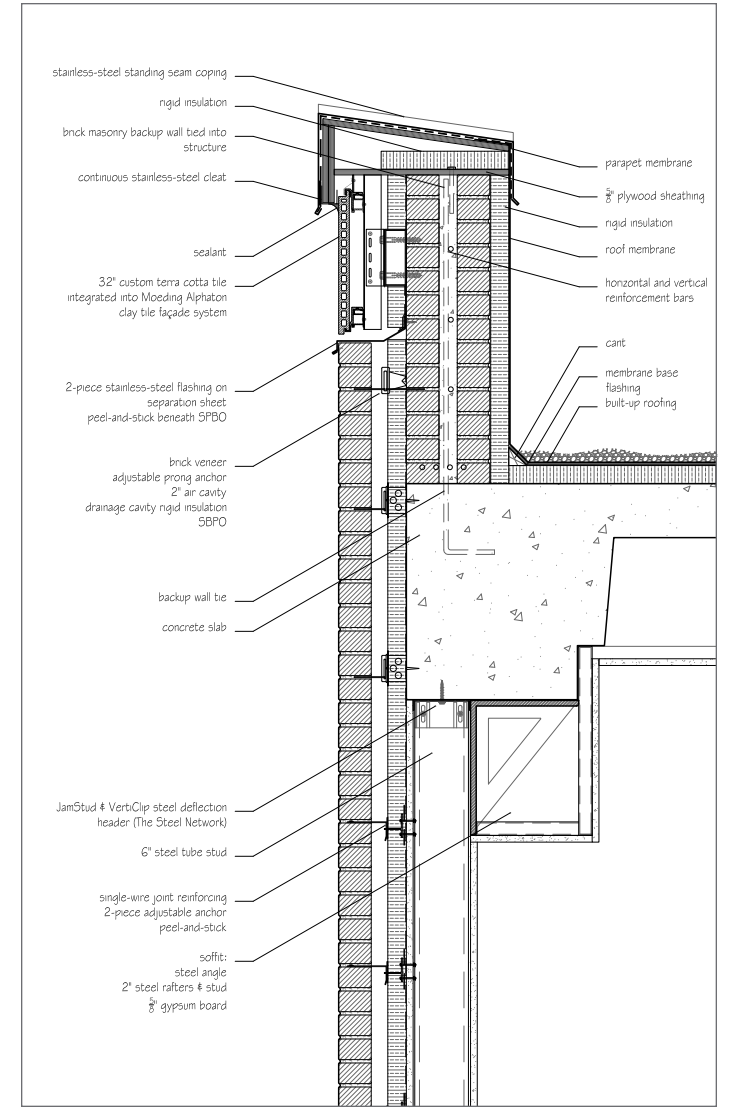
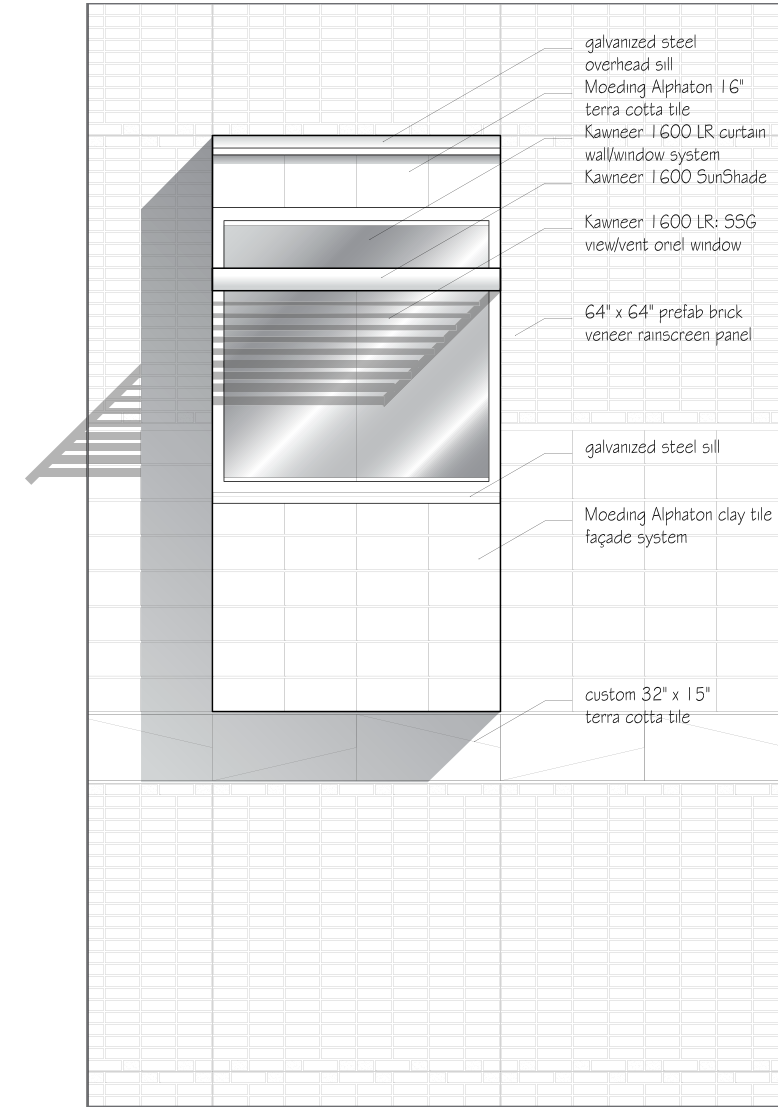




detail drawings



right: wall section  
stick-frame condos in Eugene  
opposite left: oriel window elevation  
campus computing center  
anchored brick veneer over  
steel stud backup walls  
opposite right: wall section at parapet  
campus computing center  
anchored brick veneer



# cruise control

1st year

LEED platinum call center  
1930's warehouse conversion  
Royal Caribbean Cruise Lines

## Challenge

Most call centers suffer from severe employee attrition. Reasons for this include repetitive tasks, bland (or even unhealthy) environments, and micro-management.

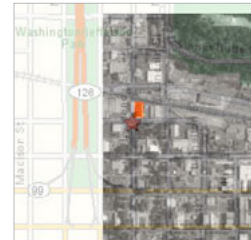
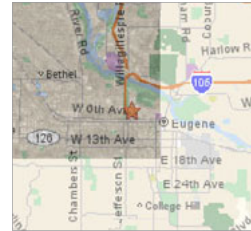
Seemingly adding insult to injury, the product being sold is an abyss away from the sea of computer monitors and cramped workstations typical in many call centers.

## Solution

If you can't take a cruise, take the cruise to you. Bold tropical colors bring vitality to the workplace. Natural daylighting filters into every work area. Amenities—such as a gym, child care, mothering room, library, and cafe—create a flexible, uplifting work environment.

### Other responses:

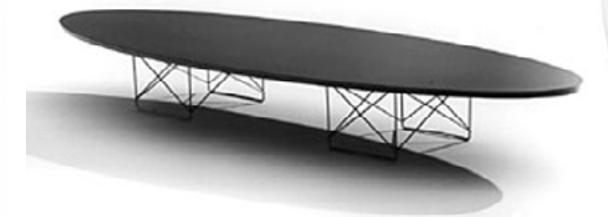
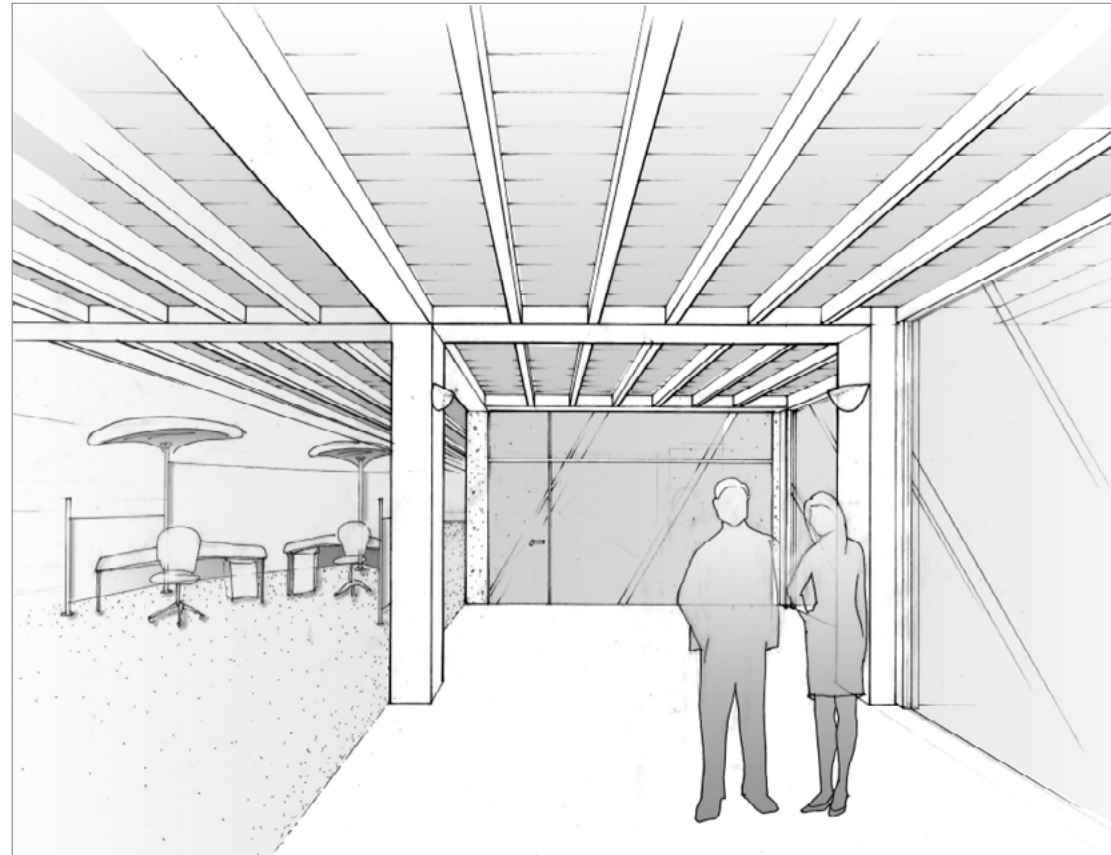
- flexible, customizable, and ergonomic workstations, including thermal control, task lighting, & adjustable desks.
- integrated noise-canceling devices
- alternate work areas that more closely resemble domestic environments—for impromptu meetings, overflow workspace, or simply a change of scenery.

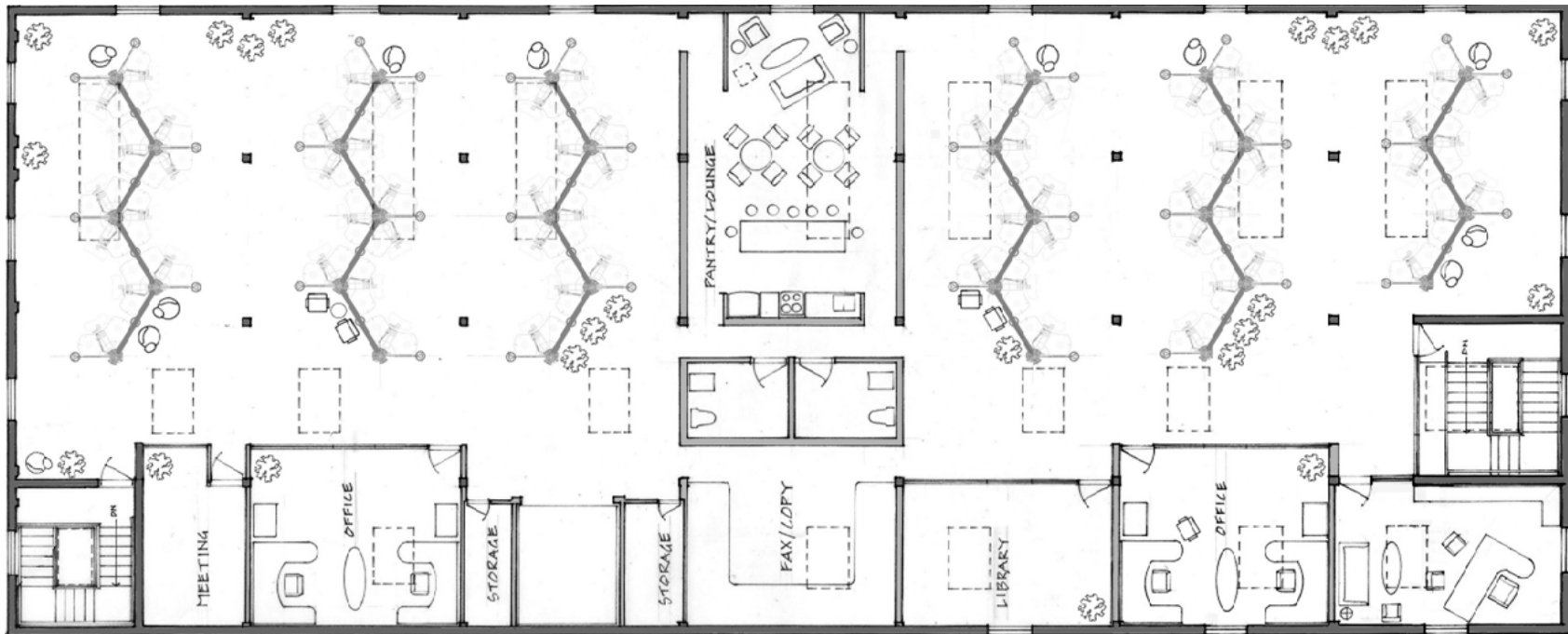


below: second floor work area

opposite: ground floor lobby reception

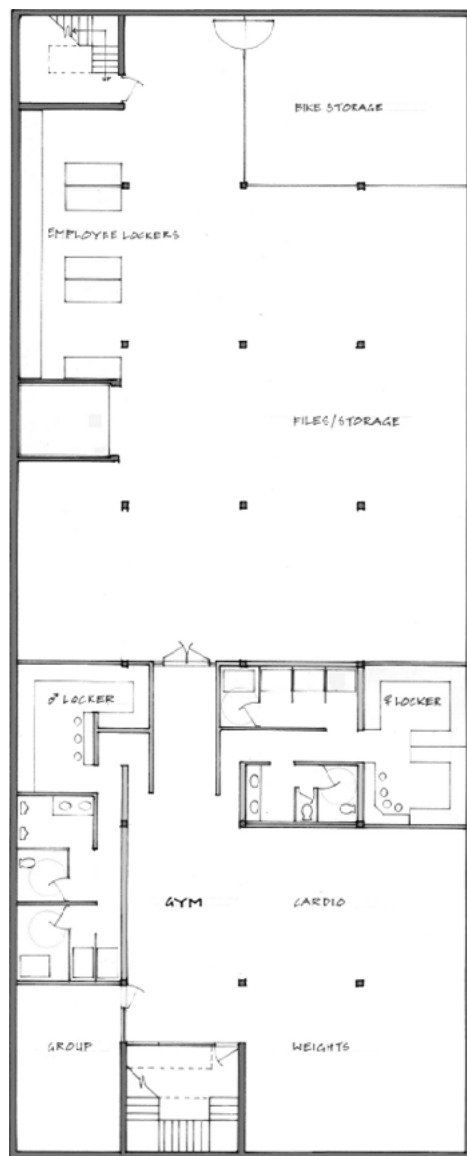
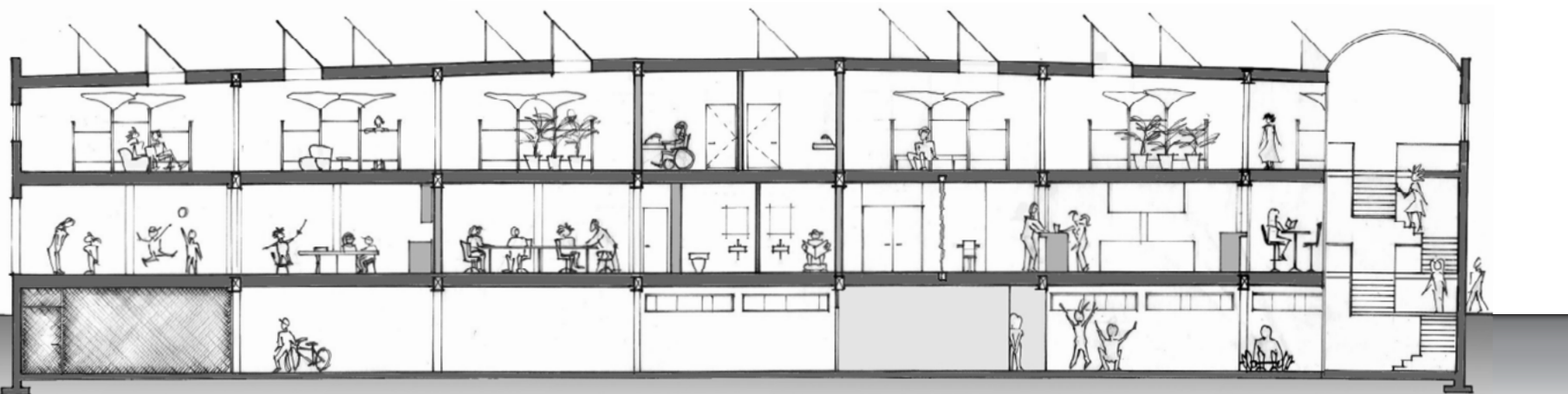
opposite below: reception area furnishings



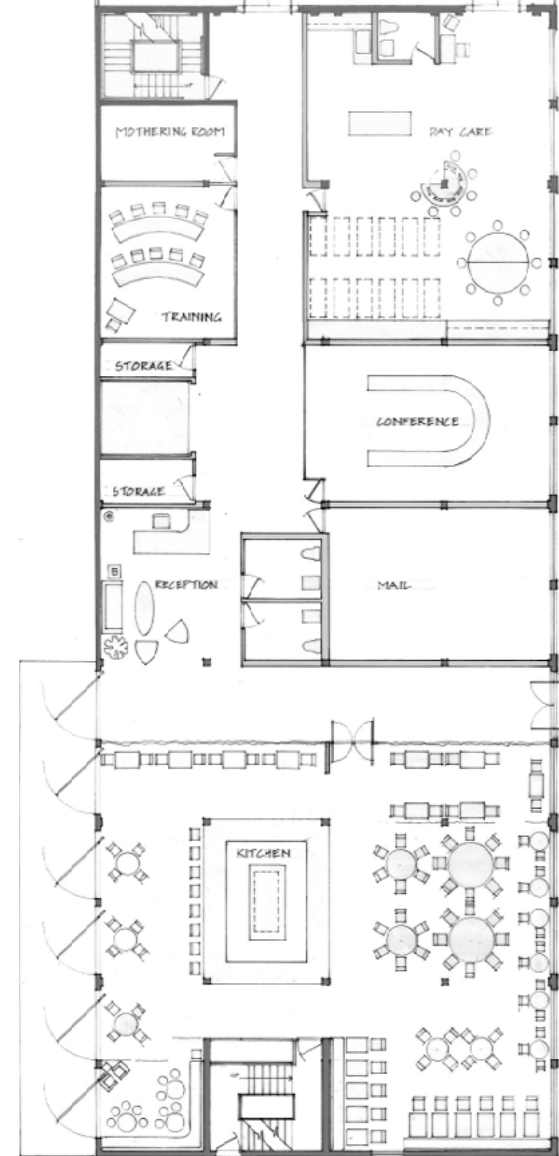


Second Floor Plan (above)

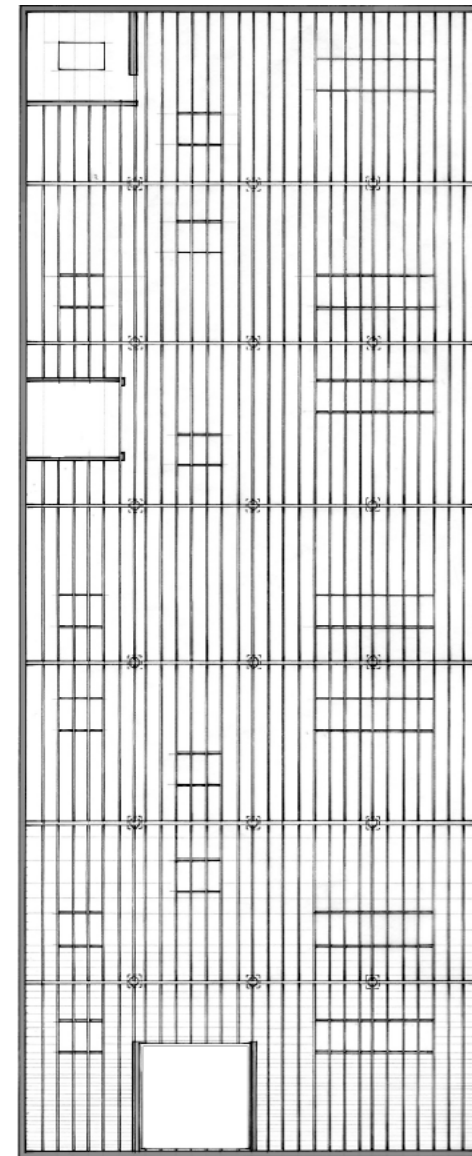
Longitudinal Section (below)



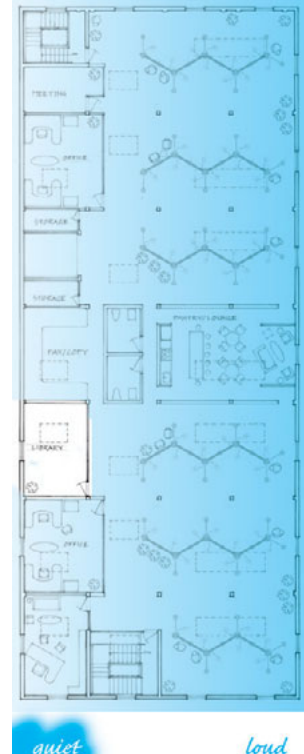
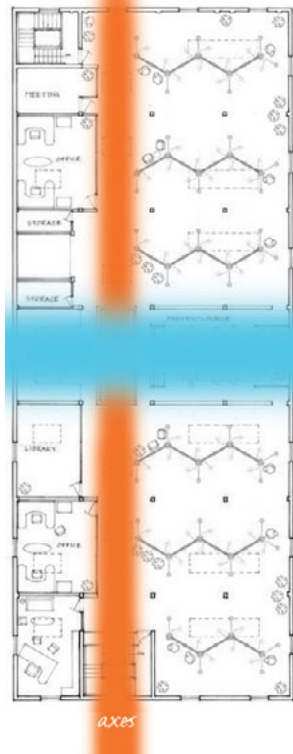
Basement Plan



Ground Floor Plan



Reflected Ceiling Plan



**Materials & Resources**

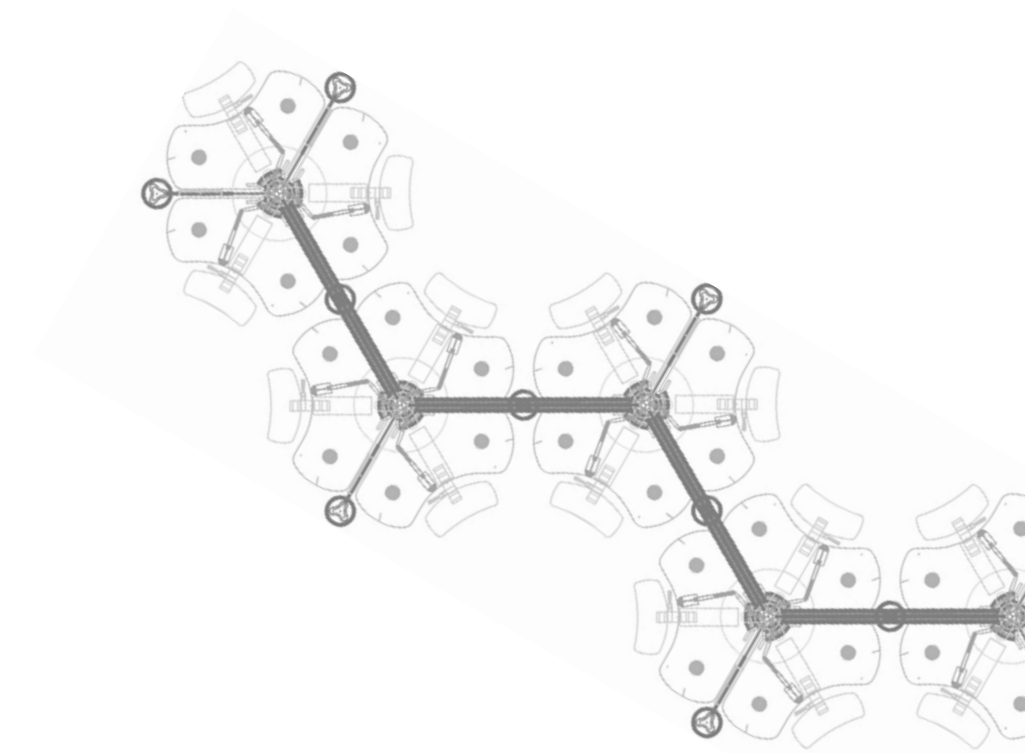
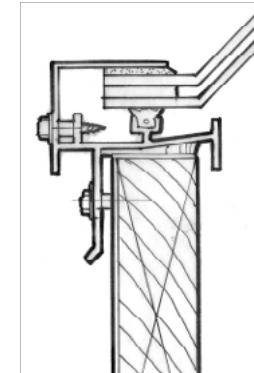
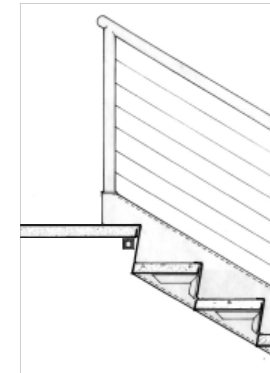
- 2.1 Construction Waste Mgmt, Divert 50% from Landfill 1
- 3.1 Resource Reuse, 5% 1
- 3.2 Resource Reuse, 10% 1
- 4.1 Recycled Content, 10% 1
- 4.2 Recycled Content, 20% 1
- 5.1 Regional Materials, 20% Manufactured Regionally 1
- 6 Rapidly Renewable Materials 1
- 7 Certified Wood 1

**Indoor Environmental Quality**

- 1 Outdoor Air Delivery Monitoring 1
- 2 Increased Ventilation 1
- 3.1 Construction IAQ Mgmt Plan, During Construction 1
- 3.2 Construction IAQ Mgmt Plan, Before Occupancy 1
- 4.1 Low-Emitting Materials, Adhesives & Sealants 1
- 4.2 Low-Emitting Materials, Paints & Coatings 1
- 4.3 Low-Emitting Materials, Carpet Systems 1
- 4.4 Low-Emitting Materials, Adhesives 1
- 4.5 Low-Emitting Materials, Furniture & Seating 1
- 5 Indoor Chemical & Pollutant Source Control 1
- 6.1 Controllability of Systems, Lighting 1
- 6.2 Controllability of Systems, Temp. & Ventilation 1
- 7.1 Thermal Comfort, Compliance 1
- 7.2 Thermal Comfort, Monitoring 1
- 8.1 Daylight & Views, Daylight 75% of Spaces 1
- 8.2 Daylight & Views, Daylight 90% of Spaces 1

**Total: LEED Platinum (42-57 Points)**

**42**



clockwise from top: stair section detail, skylight detail, Herman Miller Resolve workstations, furnishings, Resolve workstation, Resolve noise filtering system, east entry

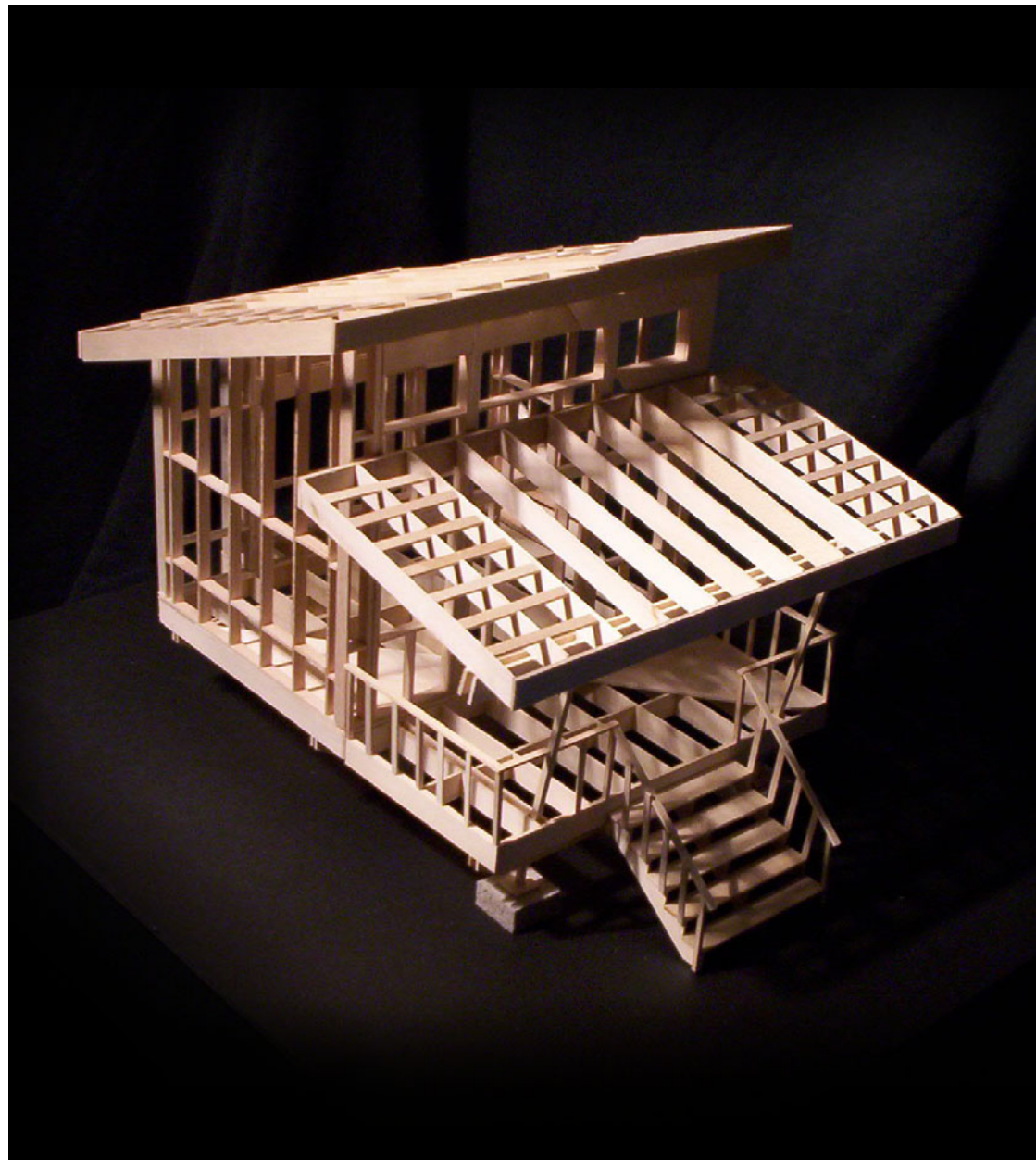


# bachelor pad

NYC studio apartment for single professional  
1st year

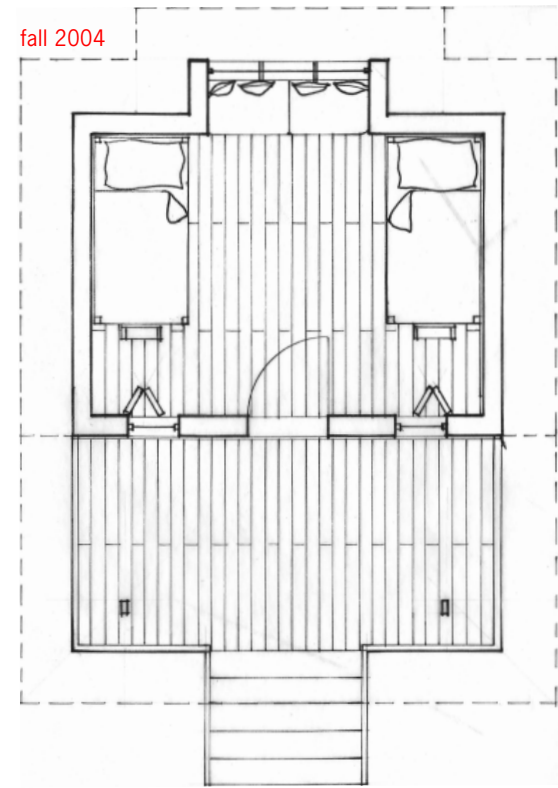


assignment:  
client profile,  
space design,  
furniture &  
finishings,  
drafting,  
rendering  
(watercolor,  
colored pencil,  
ink), 22" wide



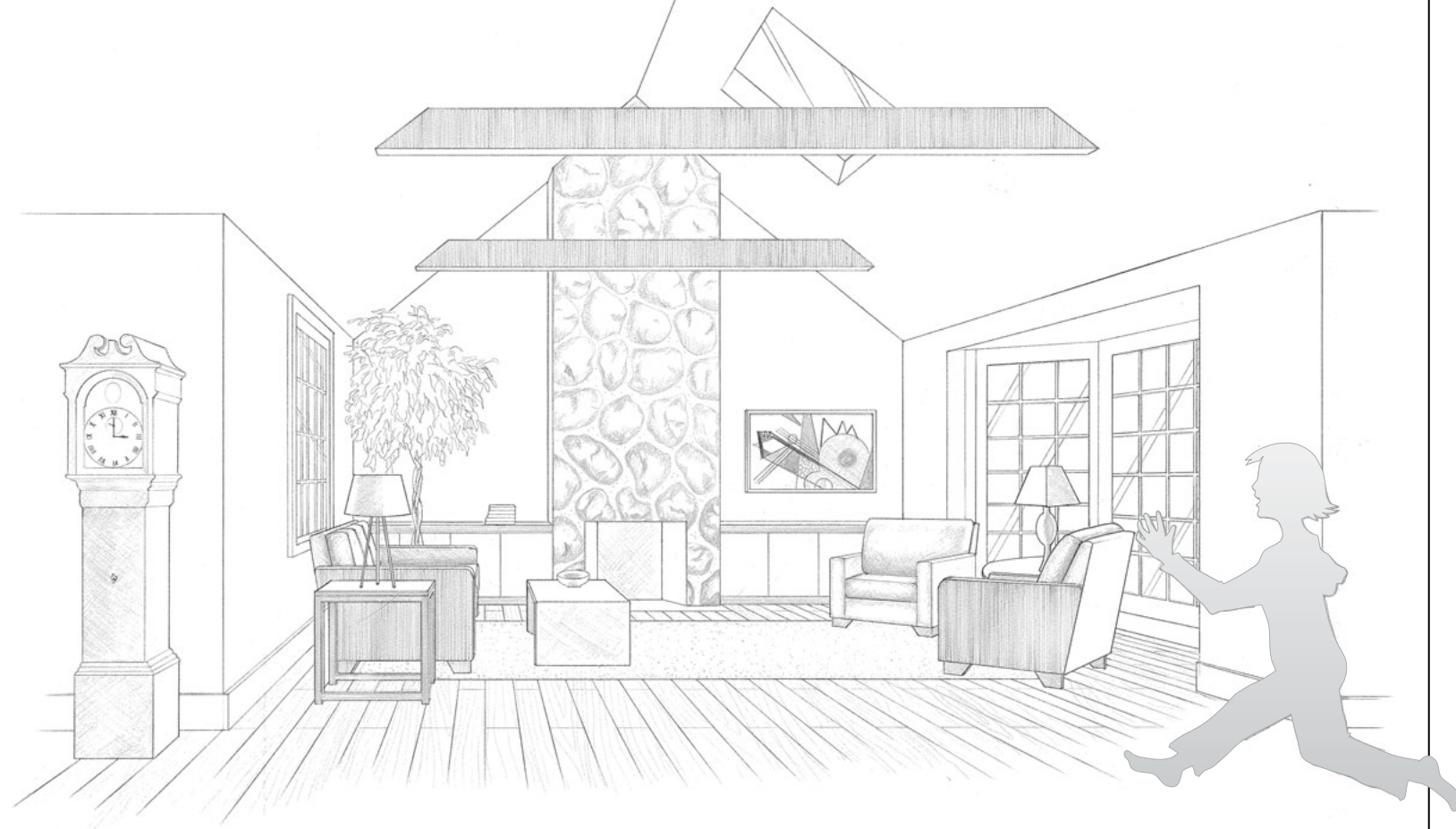
# cabin in the woods

fall 2004



measured perspectives

1st year

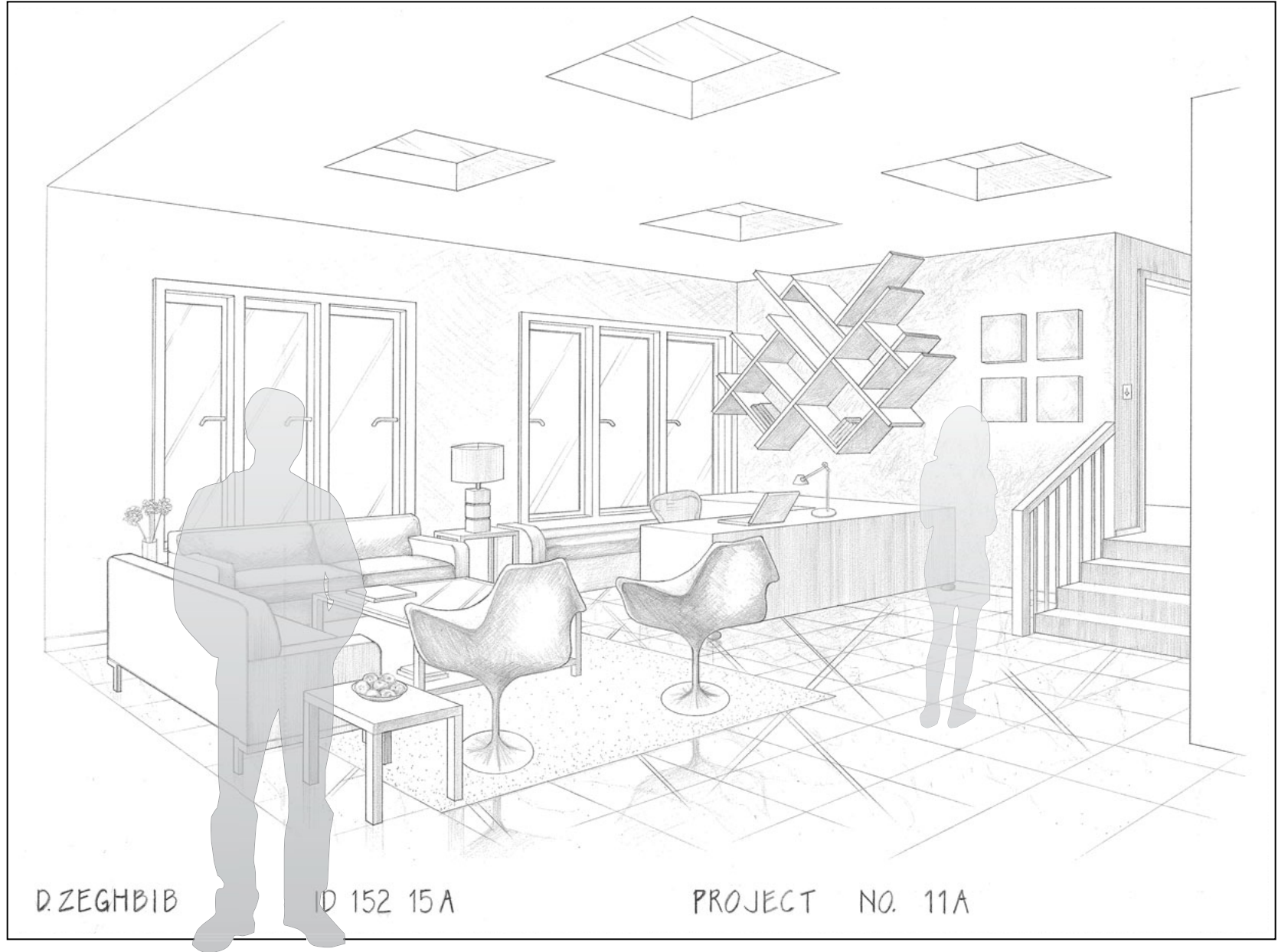


D.ZEGHBIB

ID 152 15 A

PROJECT # 7

ONE-PT. PERSPECTIVE



D.ZEGHBIB

ID 152 15 A

PROJECT NO. 11A



Dani Zeghbib

503 893 9893

[dani@iamdezigner.com](mailto:dani@iamdezigner.com)