Portfolio 1

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Client Profile

The Gateway Center is a resource center for exploring the design history of the coastal south. Located in Greenville NC, the Center is a partnership between the North Carolina Department of Natural and Cultural Resources and East Carolina University's Department of History, with major funding from the Golden LEAF Foundation.

This state-of-the-art facility allows visitors and scholars to research the rich history of the region, as evidenced by the implements and furnishings used by residents. Research published and programs conducted by the Center paint a detailed portrait of everyday life in the area

The Center includes:

- Visitor reception area
- Exhibition space
- Meeting rooms with full audio/video capabilities
- Facilities for researchers
- Documentation workroom







Program Spreadsheet

<u>Position</u>	Personnel Totals		Unit Square Ft.		Extended	Equipment			Notes
	Current	Future	Office	Workstation		PC	Printer	Fax	
					0				
Director	0	1	120		120	1	1		
					0				
Administrative Assistant	0	1		100	100	1	1		Locate directly outside Dir office
					0				
Receptionist	0	1		0	0	1	1		Included in Reception/Waiting
					0				
Visiting Fellows	0	8		48	384	8			Locate away from Entry; 1 Shared printer
					0				
Guest Research Stations	0	70		36	2520				May be split up; 1 Shared printer
					0				
Technicians	0	2	100		200	4	2		Locate near Workroom
					0				
Barista	0	1			0				Included in Pantry
					0				
Personnel Totals:	0	84			3324	15	5	0	

Department Summary

Information:

 Personnel
 3324 Square Ft.

 Support
 2360 Square Ft.

 Sub Total:
 5684 Square Ft.

Circulation 1.54

Total Carpetable: 8753.4 Square Ft.

Interviewee:

Interview Date: Revision Submitted:

Sign Off:

SUPPORT SPACES

<u>Space</u>	Support/E	quipment	Unit	Extended	Location	Notes
	Current	Future	Square Feet	Sq. Feet		
				0		
Reception/Waiting Area	0	1	300	300	Inside main entry; Visible from Admin Asst	Seating for 4 guests
Large Conference Room	0	1	400	400	Close to main entry	Seating for 14 at table, 6 at side; Full A/V
				0		
Small Conference Room	0	3	120	360	Adjacent to Large Conference	Seating for 4-6; Full A/V
Workroom	0	1	360	360	Locate away from Entry	Counter space and work tables
Storage	0	1	100	100	May be split and scattered through the space	
Pantry	0	1	240	240		
Exhibition Space	0	1	600	600	Close to main entry	Some walls for hanging work
Support Totals:				2360		

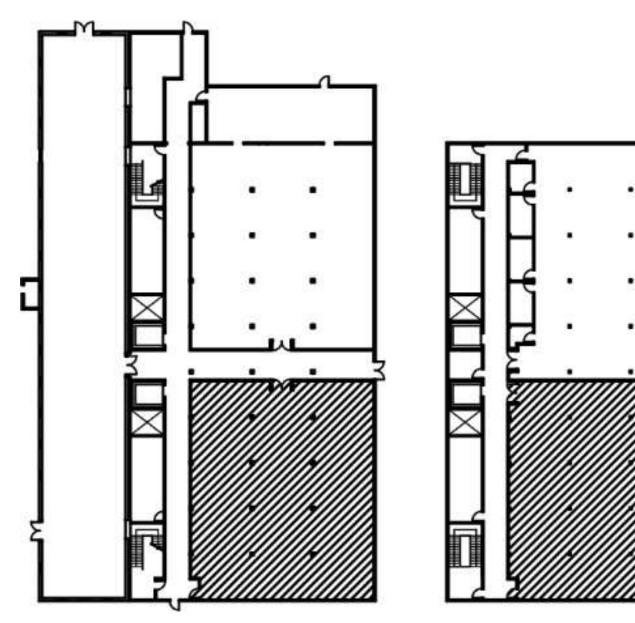
Department Note	es:
Historic character i	mportant to users
Space must be flex	tible

Site Profile

- Pritchard-Hughes Tobacco Building Pitt and 11th Streets Greenville NC
- Erected: first quarter of the Twentieth Century
- Heavy timber construction
- Client to occupy tenant space on first and second floors

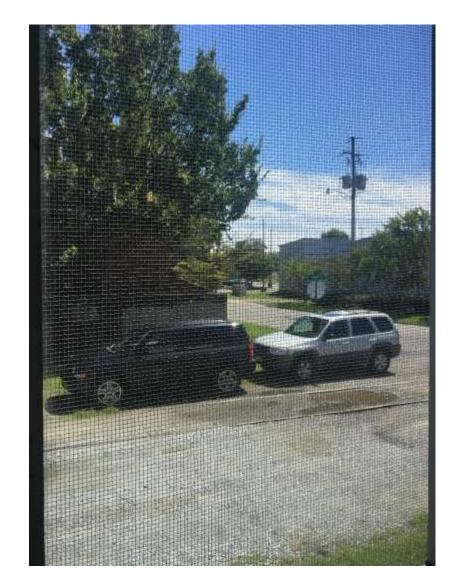




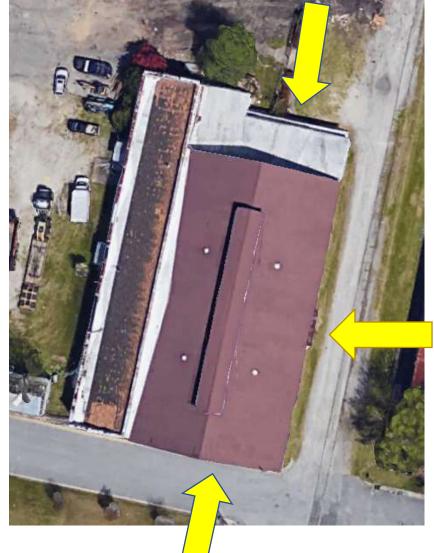


1st Floor Tenant Area 4,280 Square Feet

2nd Floor Tenant Area 4,280 Square Feet



Site Analysis



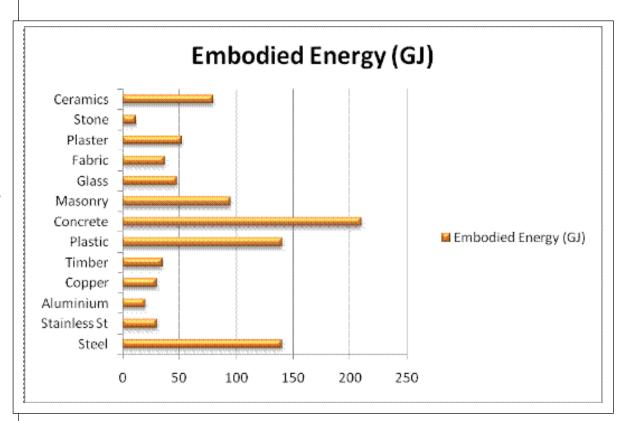




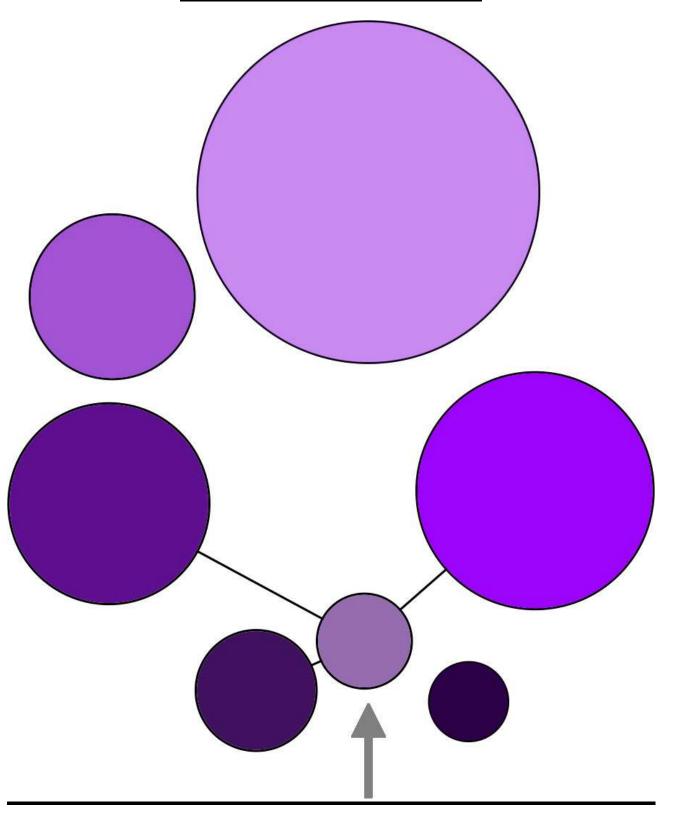


Research: Embodied Energy

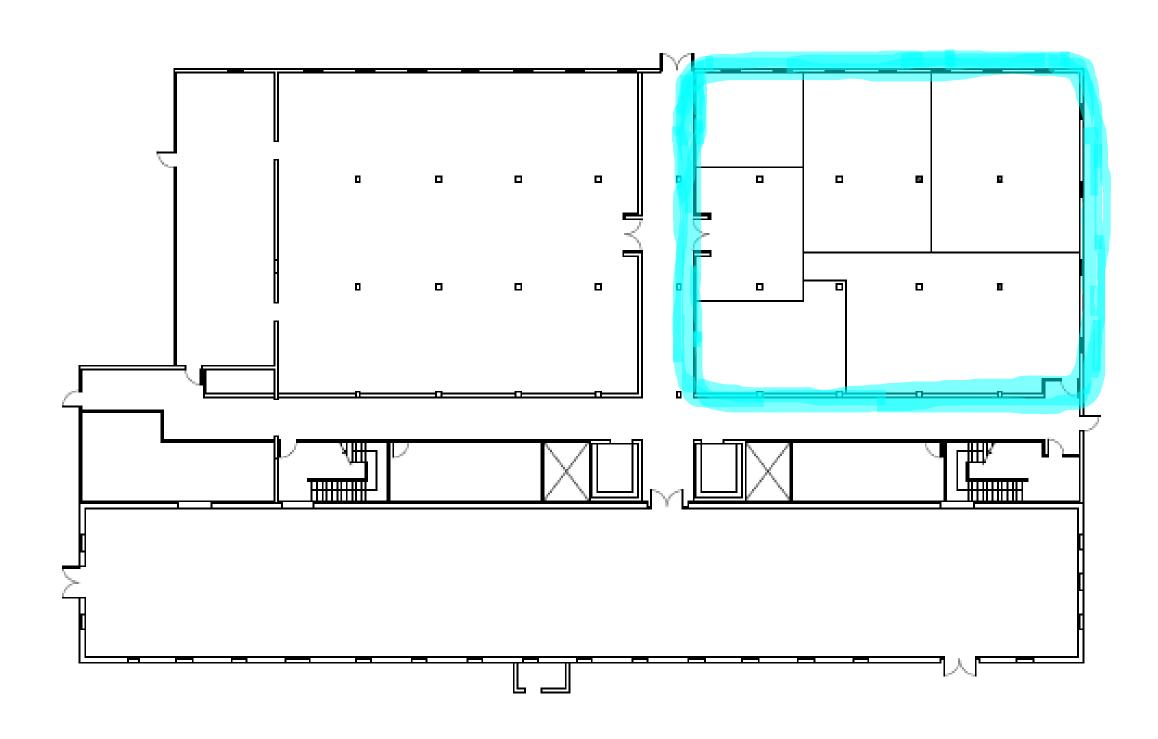
- The total amount of energy used to produce or make a good or service
- Also defined as an "accounting method"
- The final numbers are sometimes used in determining how efficiently a project went or how sustainable a building is, based on the materials that were used
- Also can be used to tell if the project or material is harmful to the earth via greenhouse gases
- Can be important in determining which materials should be used for a project, if possible
- The aspects of embodied energy do not consist of any waste or disposal process of said building material
- Most of the time it is measuring processed, not natural, materials
- "The single most important factor in reducing the impact of embodied energy is to design long life, durable and adaptable buildings."
- Similar, but also very different from operational energy (embodied only deals with materials, while operational deals with occupants within the building as well)
- "Research by CSIRO has found that the average house contains about 1,000GJ of energy embodied in the materials used in its construction."
- Gross Energy Requirement measures the actual amount of embodied energy in a material, Process Energy Requirement measures the amount of energy produced during the construction of the project.
- About 50-80% of the GER is made up of the PER
- However, many different aspects can influence what makes up the rest of the GFR



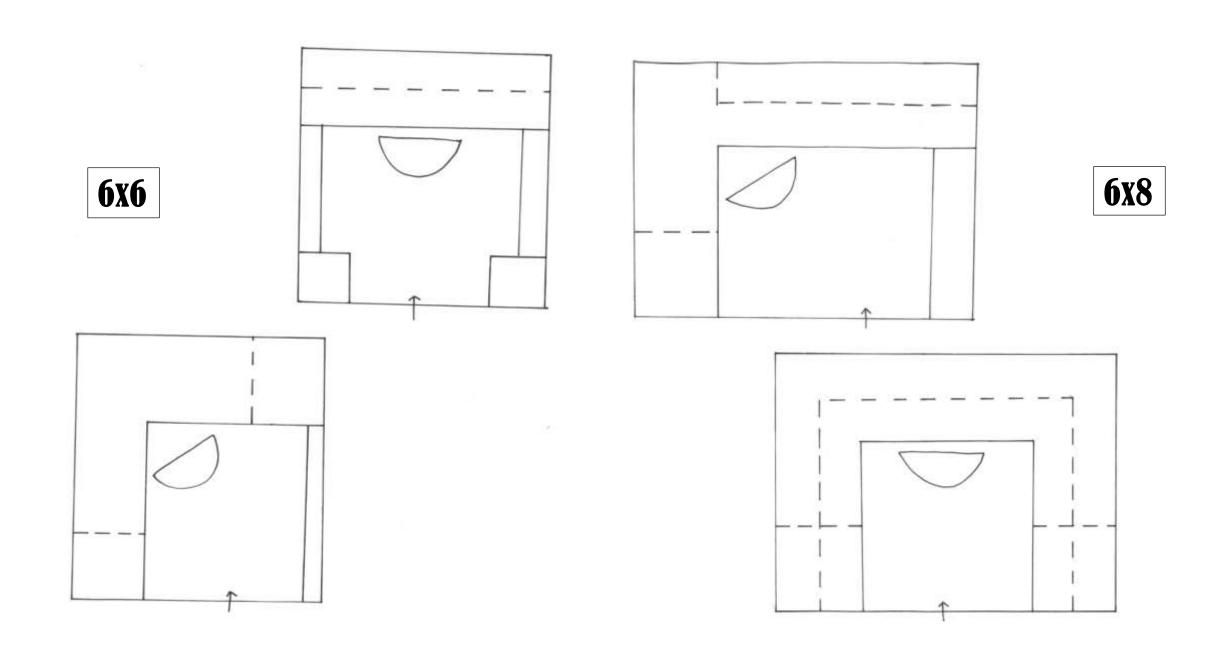
Bubble Diagram



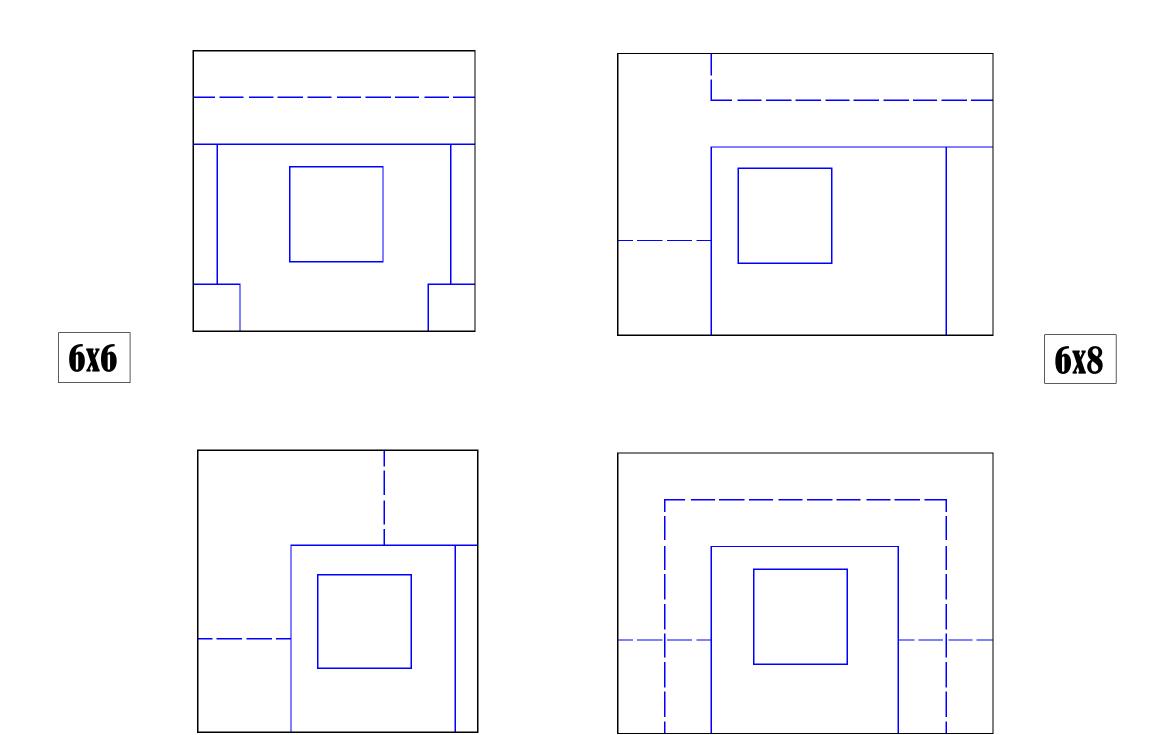
Blocking Diagram



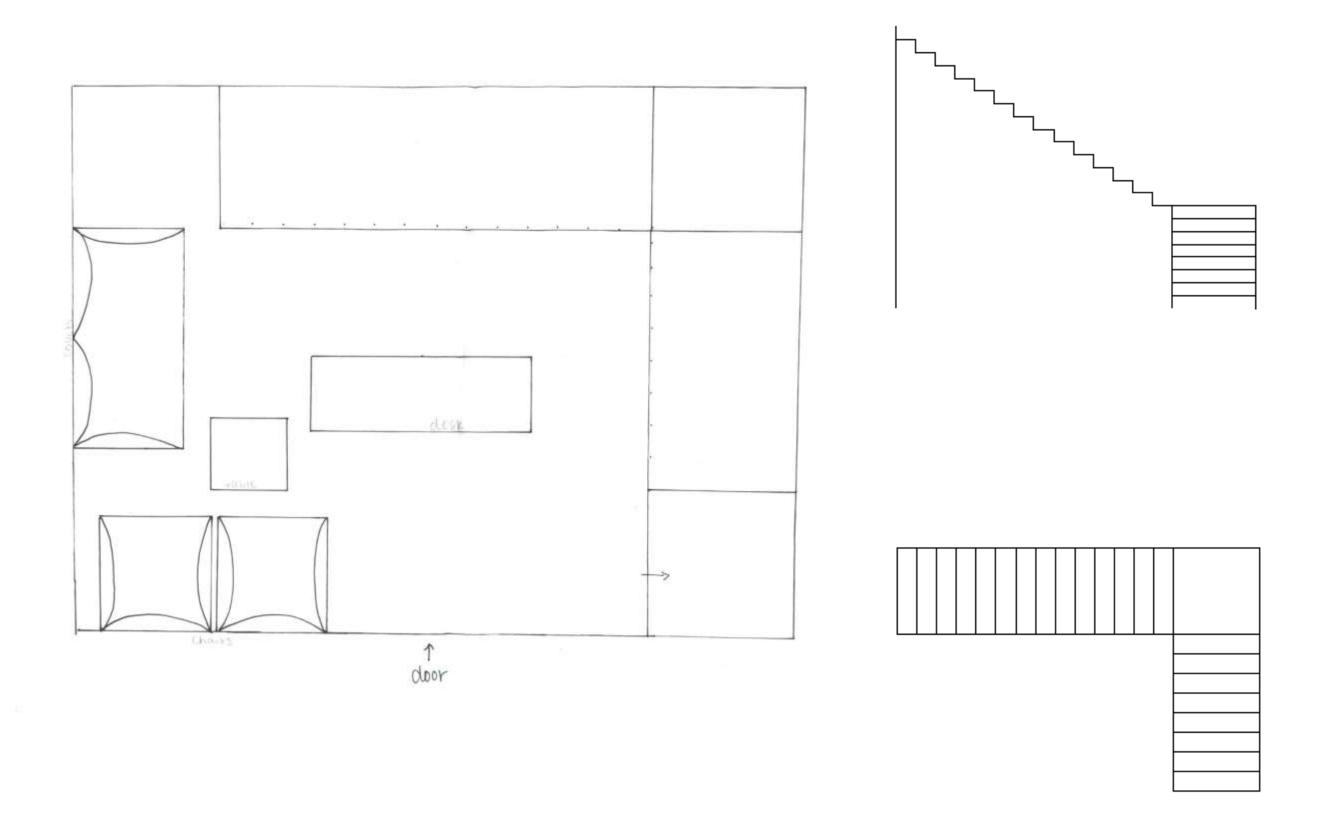
Space Standard Drawings: Sketches



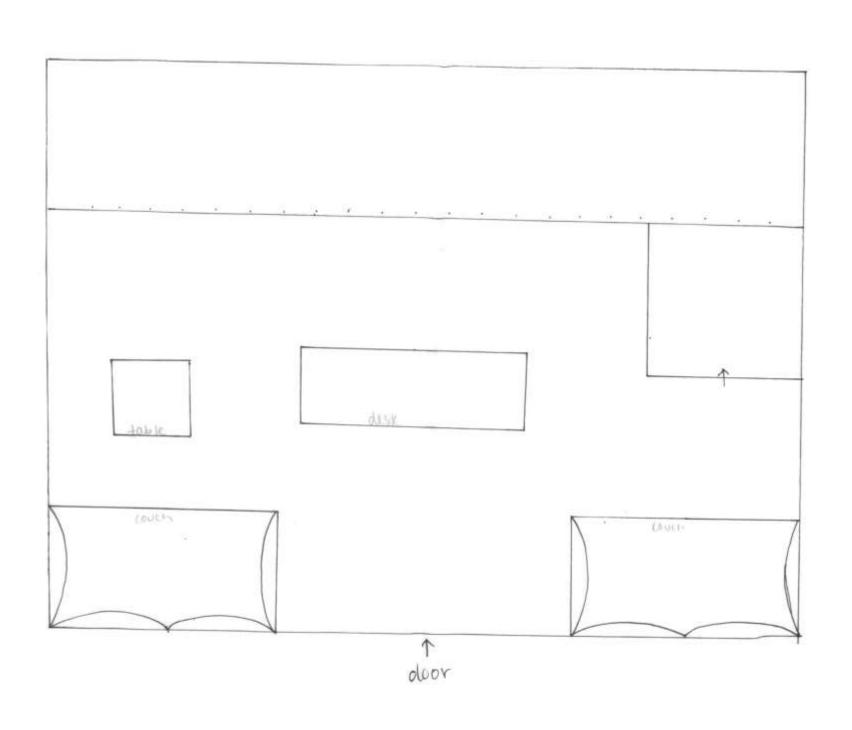
Space Standard Drawings: Autocad

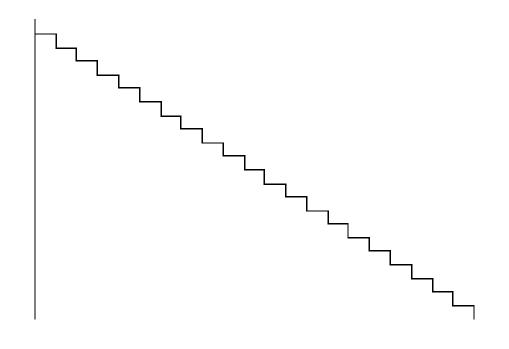


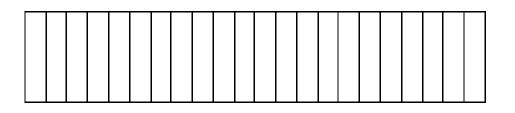
Stair Design: L-Shaped Stair



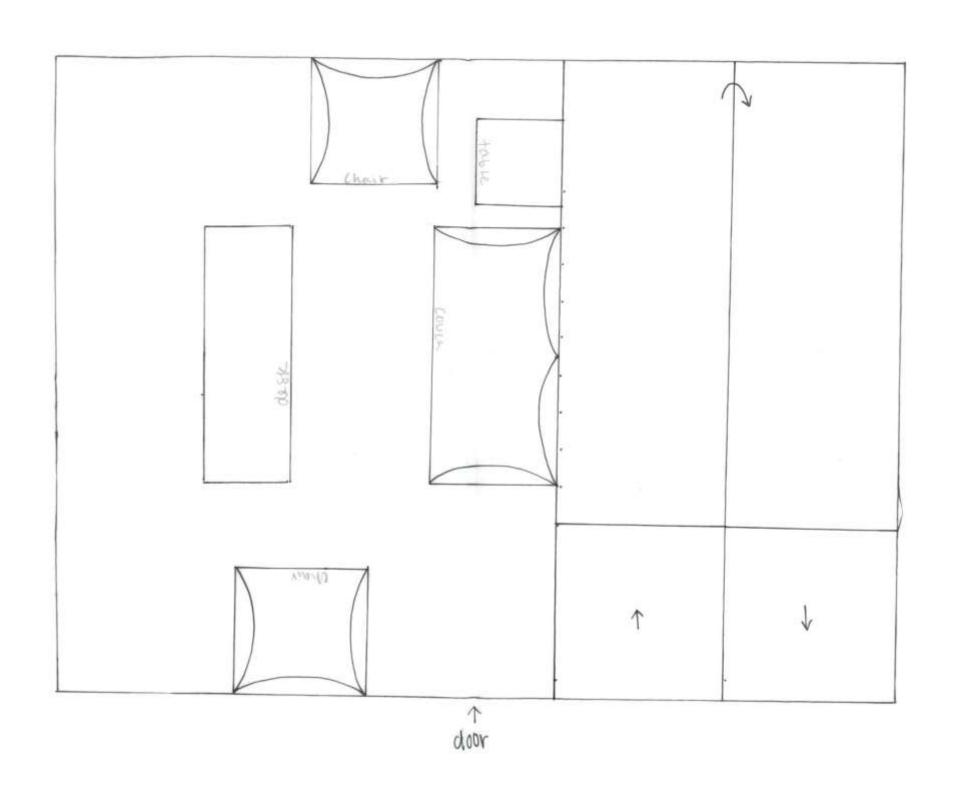
Stair Design: Straight Stair

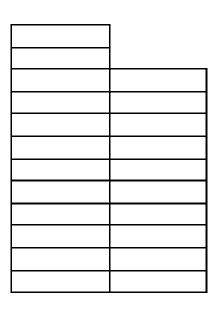


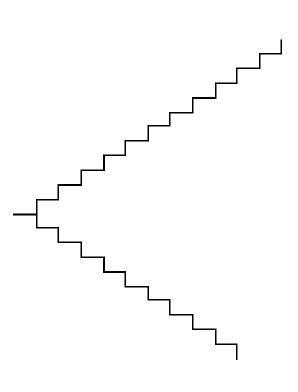




Stair Design: Scissor-Stai







Perspective: L-Shaped Stair (1)



Perspective: L-Shaped Stair (2)



Perspective: Straight Stair (1)



Perspective: Straight Stair (2)



Perspective: Scissor-Stair (1)





Perspective: Scissor-Stair (2)

