

ART 3600, Interior Architecture Studio I

Fall 2012-2013

Grover Center W330

Tuesday & Thursday 12:00 – 4:00PM

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Office hours: MTWTH: 11:00 - 12:00 MW: 2:00 - 4:00

Residential Project Program Requirements

The following spaces & functions must be provided

Project 1:

An Urban Residence: "A Connection to the Sky"

A Four Week Project: **Due Tuesday, October 2, 12:00**

2,500 square feet total (A 'large' urban residence)

Site: The Toy Factory Lofts, top floor

<http://www.toyfactorylofts.com/>

This is the website for the Toy Factory Lofts, a building in Los Angeles, California.

<http://www.linear-city.com/home.html>

This is the website for the real estate company that is actually selling the lofts.

Click on 'Projects' then click on 'Toy Factory' to get to images of the building exterior and interior.

Notice the beautiful concrete columns (30" diameter) and the concrete pad on the top.

Client Profile:

Elaine, Fisher, and Barbara Ann MacArthur & Chester and Eddy.

Desired overall residence size of 2,500 square feet.

This program is a reasonable listing of the MacArthur family's needs and interests. They were surprised by how difficult it was to list 'everything' that they might need or want in their house.

The program will need to be revised as the design of their residence develops.

Elaine has raised her daughter, Fisher, 5 years old, by herself. She was never married but wanted a child anyway.
Her mother, Barbara Ann, moved in with Elaine after her husband passed away, six years ago.
They have two colorful and talkative macaw birds, Chester and Eddy.

Elaine is 45 years old, and the head of the household. She is a successful businesswoman who is part owner and manager of the retail business on the ground floor of the building. Elaine makes a very good salary and hopes to buy out the other two owners of the retail business someday.
She loves playing mandolin in a bluegrass band, and on weekends the whole household will often go with Elaine to restaurants, weddings, and music festivals in the area take part in the band's performances.

Elaine in particular feels very strongly about her house being a well designed but integral part of the earth.
She doesn't like to live in a closed off, air conditioned box of a house.
She likes to have the windows open whenever possible, and is very interested in alternative energy sources, and environmentally responsive materials and products.
She is a very down to earth person but she has also traveled extensively and is well aware of the range of things good and bad that go on in this world.

The total cost for the purchase/renovation/upfit of their new residence must be kept to \$440,000 The unit they are looking at is a 2,500 square foot unit and the base condominium cost for the unfinished space is \$170,000.

Space Requirements

Sleeping Space for Fisher: 200 square feet
the space must have an abundance of daylight
shelving for storage and display of books, toys, and odds and ends that kids tend to acquire
a bed that is no more than 12" above the floor
storage for clothing; built in drawers and a walk in closet are preferred

Adjacent Bathroom: 80 square feet
combination bathtub/shower
storage for towels, and typical bathroom items
one toilet, in a separate enclosed(with a door) space, and a bidet
one sink
numerous towel bars
built in water proof shelves to hold toys, and other kid stuff that gets brought into the bathroom

Sleeping Space for Elaine: 250 square feet

the space must have an abundance of daylight
shelving for storage and display of books, and artwork
a bed that is no more than 12" above the floor
storage for clothing; built in drawers and a walk in closet are preferred

Adjacent Bathroom: 80 square feet

an abundance of daylight but privacy must be assured
combination tub/shower
toilet
bidet
sink
storage for towels, soap, shampoo, and other typical bathroom supplies

Sleeping Space for Barbara Ann: 250 square feet

the space must have an abundance of daylight
shelving for storage and display of books, and collection of a bed that is no more than 12" above the floor
storage for clothing; built in drawers and a walk in closet are preferred

Adjacent Bathroom: 80 square feet

an abundance of daylight but privacy must be assured
combination tub/shower
toilet
bidet
sink
storage for towels, soap, shampoo, and other typical bathroom supplies

Cooking Space: 400 square feet

a minimum of 20 linear feet of clear, open counter top surface area
a five burner gas range
an electric oven
microwave
various typical kitchen appliances, such as coffee maker, toaster, blender, et cetera
overhead bar/rack to hold and display an array of copper and stainless steel
cooking pots, pans, and griddles
excellent ambient lighting, and excellent task oriented lighting
recycling bins built into cabinets under counters

Dining Space: 100 square feet: to accommodate:

a table that seats 8 people & sit down dinners
storage for table linens
storage for silverware

storage and display for pottery, china, glasses
storage for candles

Media Space: 125 square feet: to accommodate:

60" flat screen television
stereo system components
storage for cd collection; need approximately 24 linear feet of shelving
storage for video tapes, dvd, and magazines: need approximately 36 linear feet of shelving
one computer with peripherals
a wall that has a minimum of an 8' x 12' clear surface to be used as a projection screen; opposite from the projector
storage for a variety of toys, games, and some musical instruments (banjos, accordions)

Sitting Space: 100 square feet: to accommodate:

talking with friends and colleagues
practice sessions for the five member band (all acoustic music, no amps, or cables required)
reading quietly
approximately 15 small to medium sized indoor house plants
40 linear feet of shelving for storage and display of: books, magazines, pottery collection
built in cabinets
one baby grand piano

Office Space for Elaine: 100 square feet

one desk
one computer with accompanying peripherals
shelves for books and magazines
file cabinets for family financial records
one Aeron chair

Laundry area: 40 square feet

washing machine
dryer
storage for laundry soaps, clothes pins, extra clothes hampers

Mechanical Room: 40 square feet

gas fired furnace
gas fired water heater
circuit box

Ground level Store Room: 200 square feet: provided as a building amenity, outside of the condominium unit.
storage shelving and cabinets for garden tools, hand tools, 2 bicycles, outdoor patio furniture, general overflow from the house

Design Requirements:

ideas and intellect: Ideation sketches, written concept statements, exciting thoughts that you can have!

concept formulation: Ideation sketches can lead to, or can be led by, concept statements.

parti formulation: Ideation Sketches

space planning: Plan diagrams

schematic development: Plans, elevations, vertical sections, perspectives, physical models. AutoCAD and/or hand drawing

materials, finishes, furniture, fixtures and equipment (ff&e): Shown in drawings and in specifications

project presentation

Space Planning: plan diagrams that explore sizes of required functional spaces and adjacencies of those spaces.

The work involved to design this residential project will include:

ideas and intellect

concept formulation

parti formulation

space planning

schematic development

materials, finishes, furniture, fixtures and equipment (ff&e)

project presentation

1. **Ideas and intellect:** your approach to this project: you must have some compelling, strong, and buildable ideas that drive your designing of this project.

Such ideas can include:

environmental issues: to use only safe 'green' materials and products

material expression issues: to reveal the true qualities of all the materials you use in the project, and to only use 'real' materials

construction techniques and technologies issues: to use only wood to construct, or to use a limited palette of materials and ways of building

cost issues: set cost parameters for the overall project, or for individual pieces within the project

color and finish issues: create a color palette and develop important and real meaning/connections within the spaces using it.

write a statement describing your interests and approach to this project in terms of the issues mentioned above, or in terms of those plus other issues that you find interesting and appropriate.

2. **Concept Formulation:** Preliminary thoughts, ideas, gestures: sketch, ideate, write down thoughts, think about materials, colors, ways of building large or small components. Give your project a name, and include it on the your presentation documents.

3. **Parti Formulation:** "A Parti or Parti pris/ from the French Prendre parti meaning " to make a decision ", often referred to as the big idea , is the chief organizing thought or decision behind a design presented in the form of a basic diagram and / or a simple statement".

<http://www.wespeakarchitecture.com/parti.html>

4. **Space Planning:** "The analysis and design of spatial and occupancy requirements, including, but not limited to, space layouts and final planning".

5. **Schematic Development:** the development of a 'scheme' in visual and written terms.

6. **Materials, finishes, furniture, fixtures and equipment (ff&e):**
7. **Project Presentation:**

Architectural drawings

The fundamental vehicles for building a space are the architectural drawings:

- plan
- vertical section
- elevation
- axonometric
- perspective

These are the drawing types that show different, and fundamental, views of the physical stuff of a space. To appropriately document your residential project you must have:

Floor Plan:

A plan drawing of each floor level, drawn at a scale that is large enough to see flooring material character (typically 1/4"=1'-0")

Vertical Section:

A minimum of two (2), to show the vertical relationships of elements in the spaces, drawn large enough to show materials, patterns, lighting elements, et cetera.

Elevation:

Interior elevations of all surfaces to show material character, pattern, geometry, relationships to other elements

Perspective:

Form-Z images, in perspective, that show what it is like to be 'in' the spaces. Everyone must have Form-Z imagery that shows the interior forms, colors, materials, lighting, and furnishings. Human figures must be included in all images.

Physical Study Models:

Everyone must have a minimum of 2 study models (these models must be durable, able to be displayed without falling apart, or collapsing) by the end of the quarter.

Developmental sketches:

Numerous sketches should be done all through the course of the project.

Written Statements:

You must explain your ideas, attitudes, and discoveries visually, but words can play an excellent supporting role to visual images.

FF&E: Furniture, Fixtures, and Equipment:

Selections and/or custom designing of lighting fixtures, furniture, cabinetry, appliances, sinks, tubs, toilets, et cetera

Materials:

All materials are to be represented both with written descriptions and with visual images in presentation drawings, and in a materials presentation.

Budget:

Cost Estimates: all material items used in a selected, specific, area of the the project must have an estimated cost recorded on a Cost Estimates document. This includes construction materials, finish materials, and all FF&E. For example, the conference room of the retail space can be fully priced out.

Security Systems:

A security system can include:

a control panel

touchpads

key fobs

sirens

door and window sensors

motion detectors

panic buttons

a central monitoring station (at the company/provider location)

fire monitoring smoke detectors

carbon monoxide detectors

asset protection (tracking technology attached to valuables)

security video camera systems

temperature sensors

flood water sensors

personal emergency response systems

personal GPS tracking systems

You are to write a descriptive note that will be placed on your floor plan drawing, articulating what security system components are included in your residence.