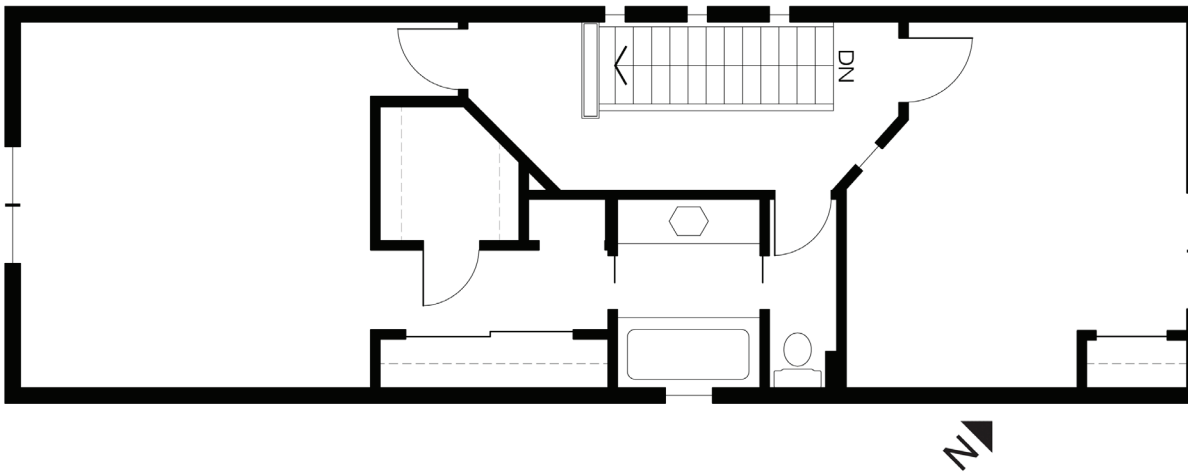


## DESIGN BRIEF

In this design project we are going to concentrate on the design of the second floor of the Ratliff Residence in Pittsburgh Pennsylvania. Last week we worked on the remodel of the first floor of this 1550 square foot two storey narrow lot home.

The Ratliffs, a couple in their mid 50's with all three children now out on their own, like the fact that there are two bedrooms instead of three on the second floor. However, they would like two bathrooms instead of the shared arrangement that currently exists. They are also prepared to give up some space in the bedrooms if they could also have a laundry and a small study space for the two of them to work on the computer.

The house is located in a neighborhood that allows a 2'X 11' extension to be cantilevered into the side yard space. The Ratliffs would like to use this opportunity to add a small amount of square footage in order to meet their functional goals for the second floor of the house.



This is the Project Documentation Package for Part One of this week's *Design Project*. The goal of the *Design Project* exercises is to learn about the design process for making an existing home more Simple, Light, and Open. Review the Design Brief in this documentation package to understand what the client needs and wants for their home. Use the existing floor plan to analyze how Simple, Light and Open the home is in terms of these needs. For background information on what to look for, review the Simple Light Open description on the website.

Draw overtop of the plan as you analyze the house and then write down your observations about the design and your recommendations for change. When you are ready, watch John Brown complete the first part of the Design Project and compare your results. To discuss the exercise further with John, and other participants, add your comments to the blog. In the next segment we will be applying these recommendations to create a concept design.

# RESIDENTIAL PROFILE - RATLIFF RESIDENCE

## 1. Describe your goals for your house

To make a great house in which to retire

## 2. Describe Each Member of Your Household

Age	Gender	Interests	Daily Commute Time	Travel Mode (walk, train, car)
57	F	Golf	10min	car
56	M	Cooking	10min	car

## 3. Describe any changes to the composition of your household that you anticipate over the next five years:

None

## 4. List three words that best describe the way you currently live:

Big empty house

## 5. List three words that best describe the way you would like to live:

Small nice home

## 6. Do you rent or own your house?

Rent

Own

## 7. How long do you plan to live in your current house?

Less than 3 years

More than 3 years

## 8. How much of your household budget would you like to devote to your house?

Less

About the same as I do now

Much more

## 1. Describe your current neighborhood:

City:

Pittsburg

State/Province:

Pennsylvania

## 2. Why did you select this location:

Close to downtown and in a walkable neighbourhood

## 3. Describe your current home:

Size: 1550

Year Built: 1970's

Type: Narrow lot house

(single family detached, townhouse/rowhouse, low-rise condo, high-rise condo, other)

## 4. Why did you select this home?

Size, Location

## 5. What do you like most about it?

Potential

## 6. What do you like least about it?

Closed in kitchen, entry, no guest bath

## 7. Rank the following uses in order of importance from 1 - 8 (1 being most important):

1 Living

4 Dining

6 Study / Office

3 Kitchen

7 Bedrooms

5 Bathrooms

2 Outdoor Living

8 Craft/ Hobby

## 8. What is the light score for your house?

Critical

Poor

Fair

Good

## 9. What is the open score for your house?

Poor

Fair

Good

## 10. What is the simple score for your house?

Poor

Fair

Good

# THE SLOW HOME TEST - RATLIFF RESIDENCE

## SIMPLE (Score: Fair)

### SIZE

1. My home is too big for my needs.

True  False

### USE

2. The bathrooms in my home are inefficient or too small

True  False

3. \_\_\_\_\_ rooms in my house are difficult to furnish

Most  Some  Few/None

4. My home has a well defined interior entry space

True  False

5. The bedrooms in my house are quiet and peaceful

True  False

6. My house has a table at which everyone can eat

True  False

7. My living room can accommodate most of my needs

True  False

8. My television is unobtrusive and well integrated into my living space

True/ Don't have a TV  False

9. My home has a convenient and quiet place to read or work

True  False

10. My home has \_\_\_\_\_ closet and storage space

Too Much   
The right amount   
Not Enough

## LIGHT (Score: Fair)

### AFFORDABILITY

1. I live in a home that I cannot really afford

True  False

### PROXIMITY

2. I spend more than 45 min. each day commuting in my car

True  False

3. I can walk, cycle or take a bus or train to go to work

True  False

4. I can walk or cycle to buy groceries

True  False

### EMBODIED ENERGY

5. I live in a \_\_\_\_\_

Low/Hi Rise Condo   
Attached Townhouse/Rowhouse   
Detached single family home

6. My neighborhood is

< 5 years old  6-25 years old  > 25 years old

7. My home is

< 1800 sqft  1800-2800 sqft  > 2800sqft

### OPERATING FOOTPRINT

8. My house can be kept warm or cool without mechanical means

Most of the time  Some of the time  Never

9. My home has \_\_\_\_\_ of the following:

energy smart appliances, low flow plumbing fixtures, a programmable thermostat, e and compact fluorescent bulbs  
All Four  Three  Two  One  None

10. Most of the energy used by home comes from

Oil/Coal/I Don't Know   
Natural Gas / Electricity   
Renewable Sources (solar, wind, etc.)

## OPEN (Score: Fair)

### PRIVATE SPACE

1. My home has enough bedrooms for my needs

True  False

### ORGANIZATION

2. My living, dining and kitchen spaces are located in separate rooms

True  False

3. The kitchen in my home is inefficient and hard to work in

True  False

4. The layout of my home is poorly organized

True  False

5. My home has \_\_\_\_\_ wasted space.

A Lot  Some  Very little

6. \_\_\_\_\_ rooms feel cramped and cluttered

Most  Some  Few/None

### CONNECTION TO NATURE

7. My home has a good amount of natural light and ventilation

In all rooms  In some rooms  In few/no rooms

8. I feel connected to the outdoors from inside my home

True  False

9. I have large windows/ doors in my main living spaces

True  False

10. I have an outdoor space that connects to my main living space.

True & it is often used   
True & it is seldom used   
False