ASSIGNMENT 5

Documentation Part II

PROGRAMMING - DIAGRAMMING

D4
IND 2238
Spring 2018

Overview

Understanding the program allows us to make informed design decisions, create a unique and engaging project for the users, and to document and organize project information in a clear, understandable, and graphic form.

In the A3 assignment, the profiles for the clients were compiled and analyzed for design guidelines. In this assignment that process will continue by clarifying their SPECIFIC needs and usage requirements. Knowing what they do and how they do it will assist you in starting to generate a feasible program for your client.

Objectives

- Develop the program
  - Understand and document the functions, activities and user needs for the different areas of the program.
- Investigate the sizes and relationships between the different areas
- Determine important adjacencies throughout the project
- Investigate how the project fits in the building
- Explore possible circulation routes and spatial organizations

Assignment/Procedure

1. READ

On Your Class WordPress under LECTURES TAB [Residential Space Planning]
Read the entire lecture. Look carefully at the figures and diagrams. This reading is important as it will inform all aspects of this assignment and reinforce the instructions given here. I expect to see evidence that you have read this lecture in how you pursue the following requirements.

2. ANALYZE AND DEVELOP [THE SPACE LIST]

WHAT IS PROGRAMMING?
Programming is the pre-design information gathering and planning phase.
It involves:

1. A detailed analysis of the client's or end user's needs, requirements, and goals using written documents, adjacency diagrams
2. An analysis of the architecture and site parameters and constraints
3. A Project Statement ... which is a concise identification of key issues, limitations, objectives, and goals that provide a clear understanding of the project.

SPECIFICS
In the client profile, you started collecting information about basic requirements of the client and other users of the space. Below is a more extensive list of the issues that are included in the programming documents.

QUANTITATIVE

- Space requirements
- Adjacency requirements
- What equipment and furniture must be accommodated in the space?
- Lifestyle, Needs-assessment

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- Asset or collections inventory
- Accessibility, Health and safety factors

QUALITATIVE

- Aesthetic requirements
- Cultural and sociological aspects
- What specific functions take place in the space?
- What are the space allocation needs?
- Which areas have been assigned to which functions?

3. HOW TO do it ...

1. PROGRAM LIST

Prepare a room/space list that includes activities, design considerations and necessities. Determine the specific requirements of the client. What do your CLIENTS do in these rooms and how can that activity be accommodated. Refer to **Residential Space Planning Lecture.**

2. DIAGRAMS

(dī'ə-grăm') A plan, sketch, drawing, or outline designed to demonstrate or explain how something works or to clarify the relationship between the parts of a whole.

A. ADJACENCY DIAGRAMS

Diagrams documenting the physical proximity of one area or function to another.

As you are developing your diagrams, keep in mind the requirements of the places in your program that require views, lighting, which are public or private, needs for privacy [acoustic and visual], etc. Develop a coding system for identifying these things so that you can keep track of them as you diagram.

Explore and develop different diagrams that include ALL the areas in the program. Explore different ways the program could be configured keeping in mind public/private zoning. Daylight/little daylight requirements as well as adjacency needs. You do not need to consider the plan or actual space when doing the adjacencies.

B. STACK DIAGRAMS

Explore what parts of the program could go on what floor, and which parts of the program could be in adjacent structures

C. BLOCKING DIAGRAMS

Diagrams that block out the program in the floor plan.
Print the plan at 1/16” = 1’- 0”.
Use tracing paper over plan, space blocks made in CAD to draw diagrams that compare these areas with the size of different spaces.
Get a feel for how these will fit in the plan.
Using a systematic approach, take your adjacency diagrams and draw the different components of the program into the plan at scale.

D. EXPLORE CIRCULATION

Imagine the spaces arranged with circulation systems organizing them. Explore the effects of at least two different approaches to circulation systems. What is the effect of different configurations? [Loop system? Single loop? Double loop? Axial system? Cross-Axial? Radial system?]

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Deliverables

PROGRAM BOOK: Organize the program information into a program book [11 x 17 landscape orientation] that includes the following:

- **COVER PAGE** [to introduce programming]
- **PROGRAM**
- **SPACE LIST** Each area of the project should be described.
- **ADJACENCY DIAGRAMS and ANALYSIS**
  - 4 hand drawn scenarios on one page
  - 1 final adjacency input into Photoshop and annotated w/ conclusions
- **STACKING DIAGRAM** hand drawn
- **BLOCK DIAGRAMS and ANALYSIS**.
  - 2 hand drawn [both floors] on one page
  - 1 final blocking input into Photoshop and annotated with conclusions

******An interior programming report that includes preliminary diagrams is usually the first deliverable in an interior architecture project.***

Due Date

Assigned
Monday February 5th, 2018

Working Day/Desk Critic
Wednesday February 7th, 2018

Final Presentation
Monday February 12th, 2018

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