

Houston

International Coffee Building

Assigned Friday, October 5

Due Friday, October 19

Noon

(Posted to student folder on website)

Phase II – Formal Project Program

Assignment #3 – Building and Site Design

There are two segments to this assignment:

- 1) Building and Site Design Formal Program
- 2) Putting it all together

It is now time to take the analysis work and move it into the program more specifically. You should also utilize the research you have done in sustainability and apply it to the building programmatically. By the 19th, you will be prepared to move directly into the building design solution. This means that you need to put all of our work together in a formal presentation format. The first phase is noted below. The second will be explained immediately afterwards.

1) Building and Site Design Formal Program

Prepare a formal project program based on the following:

Project Description:

- Your written description of the project, its goals and key elements
- Identify your market. Who will come to this site? How will it be used and who will it attract? Include your target market, demographics, income levels in downtown.
- Be sure you note the things that are key to the success of this concept – what will sell this to the user?

Building Use Matrix:

- Establish a matrix which identifies each program space and its relationship to other spaces that affect it. (You had a program matrix in your programming course that will work for this matrix). If not, establish your own based on the intent to communicate .

Programmatic Requirements:

- Uses and square footage (include interior and exterior spaces)

- Floor plate uses (color is a good way to separate building uses and make the diagram more useful upon initial visual observation).
- ADA Requirements – identify areas of the building that will address ADA. What are the exemptions and how will they be applied in this project. Remember, the project is for public use, so meeting requirements is essential, regardless of the fact that the building is 'historic'.
- Building Code Requirements – identify important codes that might affect your project program.
- Site Requirements Programmatic Diagram or Table– utilize the information you have produced in your site analysis, but as a programmatic condition. In other words, if you are going to have to grade the site to address program use, indicate this through a diagram or table showing how the site affects the program. Etc... (It might be that you identify that the site program requires a plaza eating area. Indicate that as the site program element and then indicate how this affects the site. What do you have to deal with on site to address this programmatic requirement?)
- Parking – this could fit into your site requirements work or you can separate it. The choice is yours and it depends largely on how you approach the parking. Separate implies separate, integrated with site revisions implies integrating it with site work. It is more of a conceptual decision. Think about the many ways the user would access the site and where they would park a car or bike. What about deliveries and service needs? How will they access the building with as little interruption to the user as possible?
- Structural Program – only list at this point possible programmatic issues you will need to address that affect the structure of the building. It may be the skin, (such as brick condition), or it may be of greater significance. Tell me the current structural system and identify any issues you think you may have to address in order for this system to respond to the program.
- HVAC Systems Requirements – At this point, you only need to identify possible systems to use for the programmatic use of this building. The idea is to begin to use research to help you address later programmatic requirements. Look at sustainable solutions and identify how those might be integrated. Provide the options that are available to this type of building. You may identify a conventional system and then a sustainable solution. Understand conceptually how these systems work, but at this point, you do not need to lay out the system or know more specific information you will get into later.

2) Putting it all together.

At this point, you have researched and analyzed the site and program. Now you need to show that you can coordinate this into a completed document that represents all components addressed thus far. This means – express your concept. How are you going to approach this project and what are the key factors you have identified as critical to this. It is a matter of taking your previous work and synthesizing it. Then putting it into a format that concisely represents your approach. You have to decide how you will do this. Think about how you can convey your ideas? What is most important?

In addition, create one conceptual diagram that expresses your overall concept for the building – do in freehand in a sketch diagram.

What to Present:

Completed Power Point Presentation addressing all of the above.

Post presentation to student folder on studio website.

Booklet of complete presentation proposal.

One sheet for wall pin up that represents the overall concept and programmatic solution for the project to date. (Remember, on this portion, I am looking for what you identify as essential to convey the concept.

NOTE: All drawings must be readable in pdf format or alternative presentation must be developed.