

ASSIGNMENT 4 –

NASA CAI-LABORATORY – Program Space Planning and Schematic Solution(s)

Due Friday, October 19, 2007, 11am

Primary Assignment Objective:

- *To establish program space planning*
- *To create potential schematic approaches to the building design*

WHAT YOU WILL DO:

Continue to develop your design solution by working through the second aspect of programming – understanding spatial requirements and the relationship between each space – this will enable you to determine physical needs and constraints. See previous assignment noted as below in black text:

- 1) **Develop diagrammatic solutions addressing the program spaces and their relationship to each other. This can be a matrix, bubble diagram, or other graphic vocabulary as long as it:**
 - a. **is graphic in form**
 - b. **addresses relationships between spaces ranging from “no relationship” to “direct relationship” , including the variation between the two extremes**
 - c. **size of each program space**
 - d. **considers the massing of the building**

From this, begin to develop a series of schematic options for the building mass and siting.

Develop a problem statement that identifies the critical issues and the potential for resolution.

Select the scheme (or hybrid of multiple schemes) that best reflects your intention with the project and express this graphically in a visual schematic solution to be discussed during review.

WHAT YOU WILL TURN IN:

Produce a power point or pdf presentation displaying the assignment requirements. Electronic version is all that is required, but all images must be properly cited for reference source and must be clearly read in printable format.

FINAL DUE DATE: FRIDAY, October 19, 2007 - 11am