Phase II: Schematic Design (10%)

The first phase of the design process where the architect develops sketches and digital drawings, three dimensional models studies, and diagrammatic information which explore and illustrate a range of potential concepts for the overall design. This includes spatial relationships, scale, massing, and form. Schematic design is also a continuation of the research begun in Pre-Design where zoning requirements or jurisdictional restrictions are discovered and addressed.

Each student will submit three design schemes for consideration showing the major parts of the design as given below. Schematic design establishes the general scope and scale of the building in terms of position on the site, building massing, and the accurate sizes of spaces. The designer will test possible relationships among all the required spaces and rooms.

The primary objective is to provide three feasible options that explore the most promising alternative design solutions. Site, plan, form and mass, primary structure, basic envelope design, vertical systems, basic life safety, and sustainable design should be integrated into each scheme.

For each of the three required schematic studies provide the following drawings:

1. _____Site Plan and Building Roof Plan: show appropriate surrounding context -- human made and natural. Show north arrow. Show existing streets, all parking, walks, play areas, drives and exterior elements as called for in the program.

2. _____All Floor Plans: Show section cuts. Show north arrow. Floor plans are to include architectural elements such as stairs, location of windows and glazing systems, doors with swings, major features, fixtures, and appurtenances. Indicate basic structure such as columns. Label all spaces with room names and sizes. Use simple color tinting to identify organizational arrangement and space allocation by room types and usage, life safety, and circulation. At street and river levels show adjacent site conditions in plan.

3. _____Two Exterior Elevations: Showing an overall understanding of the major architectural systems and materials used in the façade. Same scale is same as floor plans.

4. _____Two Axonometric aerial view of building on site: Delineate major architectural features showing same information as item 3.

5. _____Two Perspectives at eye level: One from street level, one from across the river.

6. _____One Full North-South Building Section: Show connection of street and river levels. Delineate basic architectural and structural information.

7. _____Additional images are encouraged

- Grades will be based on evidence of: (a) the degree of completeness in meeting the assignment (b) the degree of comprehension evident in the presentation (c) effective communication in verbal, written and graphic modes.