

Broward Community College
Department of Architecture and Design

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Site Factors Analysis

Intent: This list includes some of the site factors that we will be analyzing for the next project. Review Baker's book to gain more insight and how the factors can affect the design of three-dimensional space.

Site conditions (physical natural elements and man-made artifice):

1. Flora: vegetation, trees, bushes, ground cover on the site and surrounding.
2. Topography: contours of the land on the site, surrounding the site and in the region.
3. The Bodies of water: ponds, lakes, rivers, oceans on the site, surrounding the site and in the region.
4. Soil types: sand, rocky, clay.
5. Weather: wind, temperature, humidity.
6. Sun path: seasons and equinoxes.
7. Fauna: habitat, endangered species.
8. Smells and odors.
9. Sounds
10. Roadways, traffic, street grids.
11. Surrounding buildings
12. Utilities: electricity, water, garbage.
13. Man-made bodies of water: canals, ponds, dams.

Functional Requirements:

1. Approach: pedestrian movement, vehicular movement.
2. Access to the site, exit from the site (public and private).
3. Zoning regulations.
4. Service (where Bubba unloads the package of tomatoes).
5. Privacy.
6. Movement of people, vehicular, transportation.
7. Security, fire prevention/ fire fighting and rescue.
8. Views
9. Purpose/ Use of facility and surrounding context.

Cultural:

1. Philosophies and theory (esp. aesthetics), metaphysical.
2. History
3. The people.
4. The meaning.
5. A sense of timelessness.
6. A sense of belonging and grounding to the site.
7. A "spirit" of the place: Christain Norberg Schultz's definition of "place".