

THE CENTER FOR
INNOVATIVE TECHNOLOGY


by

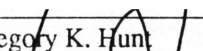
Mathew Soongmin Park

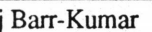
Thesis submitted to the Faculty of the
Virginia Polytechnic Institute and State University
in partial fulfillment of the requirements
for the degree of

MASTER OF ARCHITECTURE

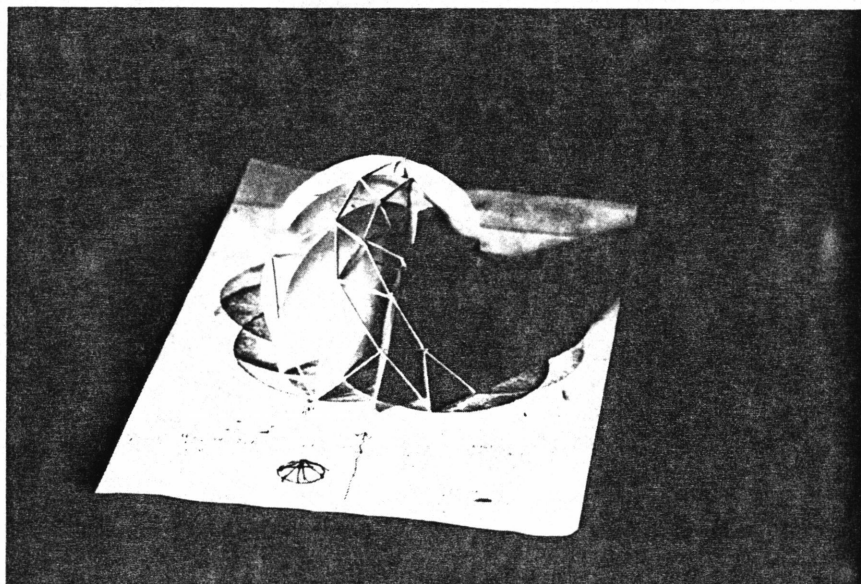
APPROVED


Jaap Holt, Chairman


Gregory K. Hunt


Raj Barr-Kumar

July, 1987
Alexandria, Virginia



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(ABSTRACT)

Columns and walls are reinvented in my experience while persuing the project. It is my belief that architecture should be reinvented every time a building is designed and built.

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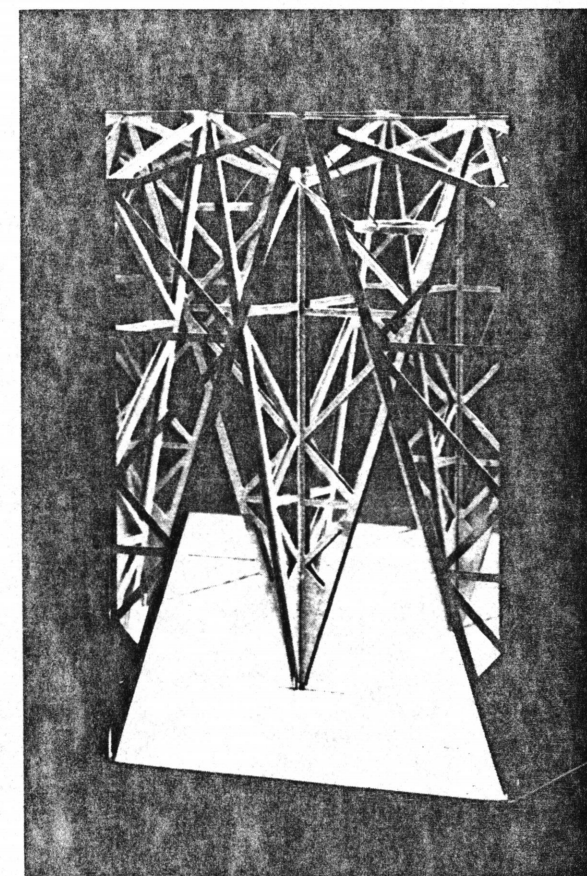
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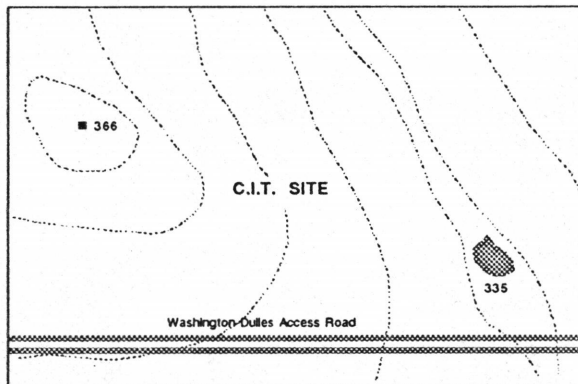
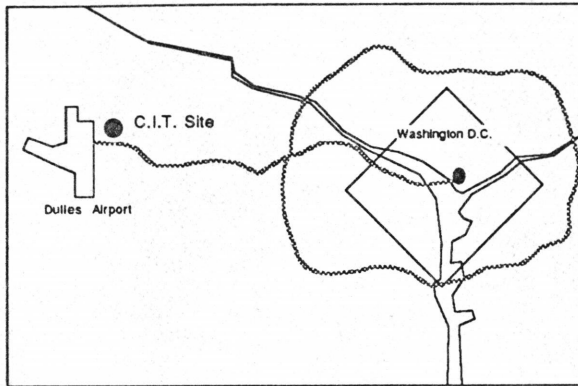
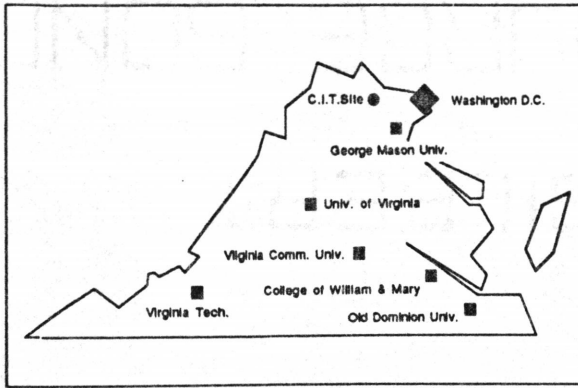
"The center for innovative technology will serve, in its broadest sense, as a communications link between academia, industry and government, with emphasis on high technology research and its applications. Fundamentally, the C.I.T. is an outgrowth of contemporary culture and the 'megashift' from an industrial society to an information society, certain significant technological achievements, of course, serve as the fundamental armature of the information society in which we presently dwell. Computers, microprocessors, video technology, microelectronics and telecommunications are but a few of the areas in which the results of research and applied science have transformed, and will continue to transform, our lives. ... This competition is a national endeavor providing all competitors with the opportunity to search for ideas and, in so doing, to explore the horizons of design. The center for innovative technology is a contemporary institution which is also, by definition, evolutionary. Thus, competitors are being asked to consider the design of an emerging building type—one essentially without precedent."

The C.I.T. Competition Catalog, 1984

"Today building needs an atmosphere of belief for the architect to work in. Belief can come from recognizing that new institutions want to emerge and be given expression in space. New beliefs come with new institutions that need to be expressed as new spaces and new relationships. The architectural realizations sensitive to the institutions' particular form would set a new precedent, a new beginning."

Louis I. Kahn





"The high point of the land is on the property on the southwest at the edge of the C.I.T. site, elev. +366; the low point is on the southeast property, on the eastern edge of the C.I.T. site, elev. +330... The site is generally wooded, with some open areas. ... property to the southwest has the most open area. The 30 acre C.I.T. site is thickly wooded on its western side,... The woods thin into open space towards its eastern edge, the stream and the group of farm buildings on the south east corner."

The C.I.T. Competition Catalog, 1984

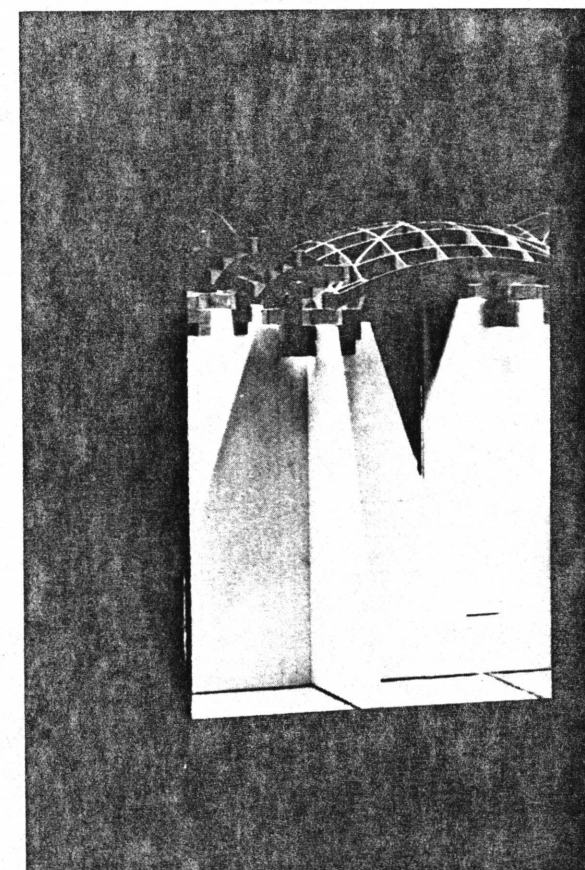
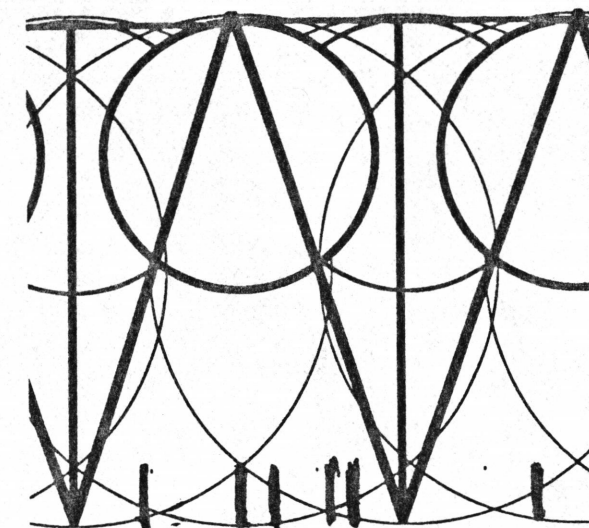
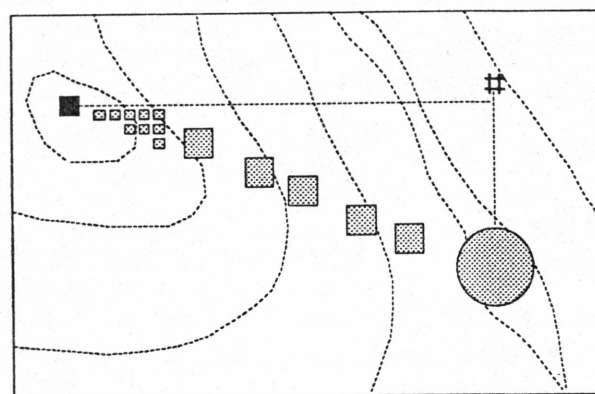
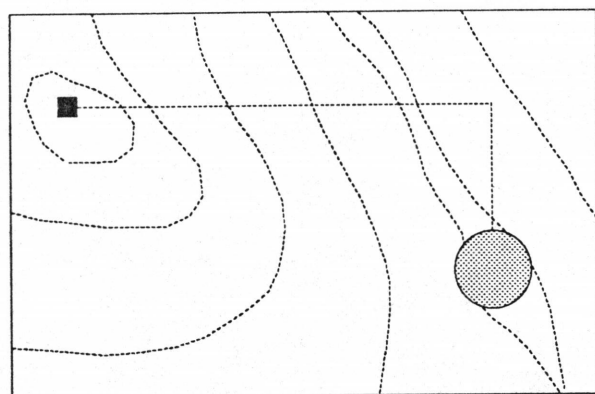


Shallow pools of water stepping down the gradually sloped land connect the tower on the high point with the large pond in the low part of the site. The pools divide the site in two, and guide the direction of building phases to grow parallel to the Washington-Dulles Access Road.

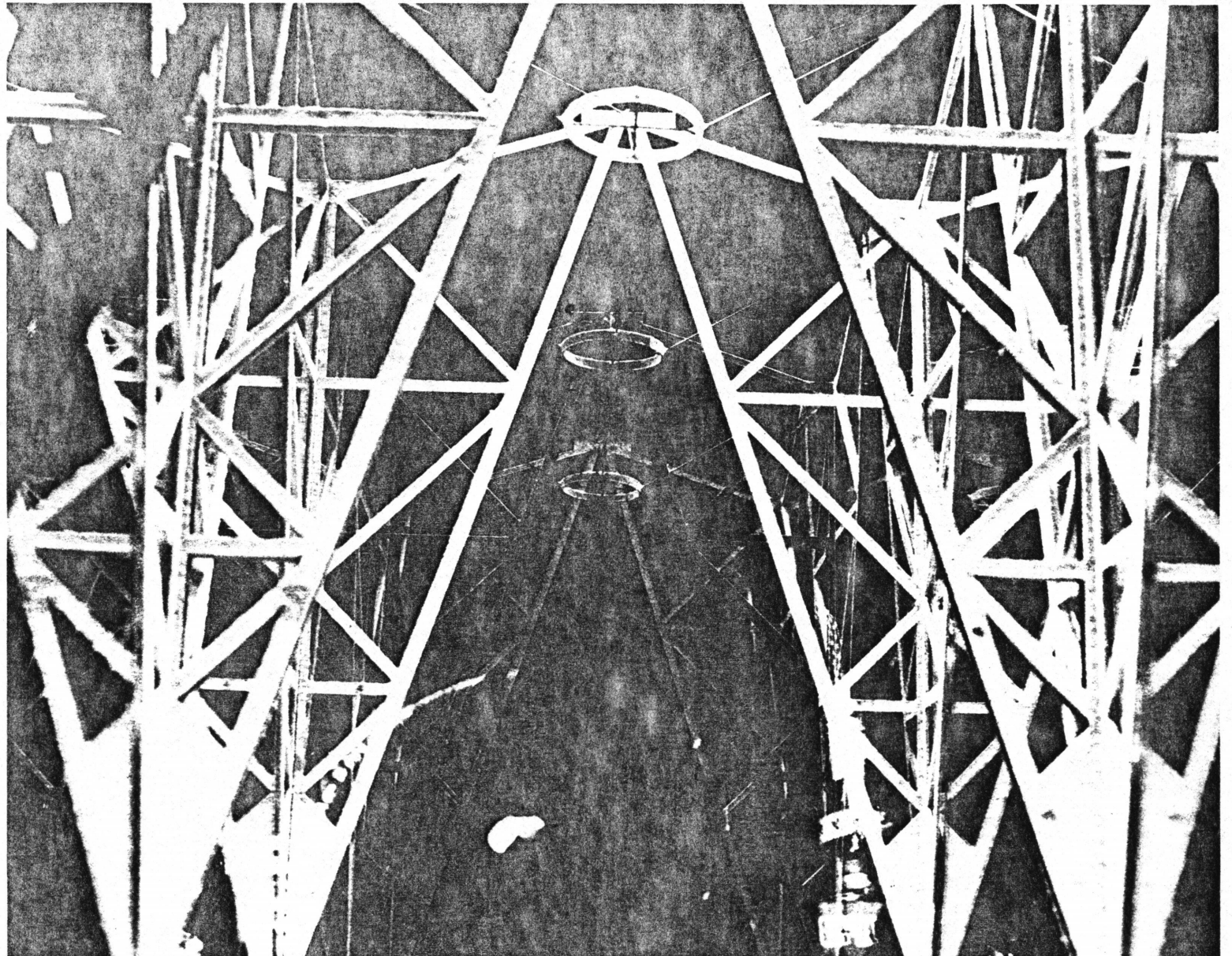
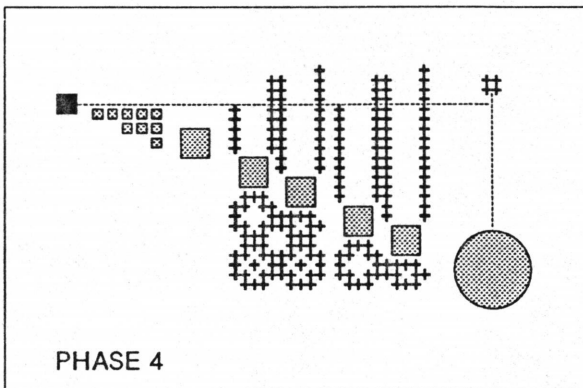
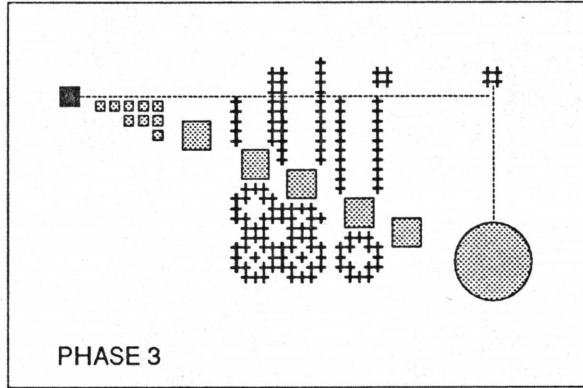
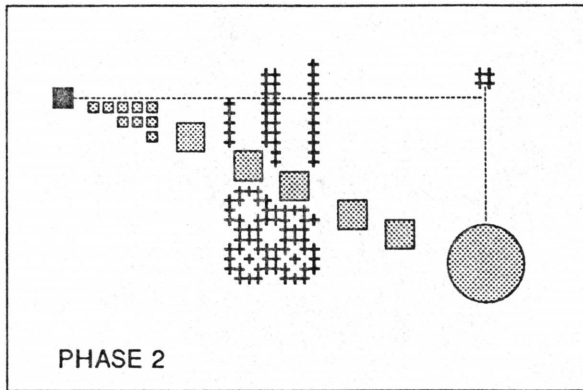
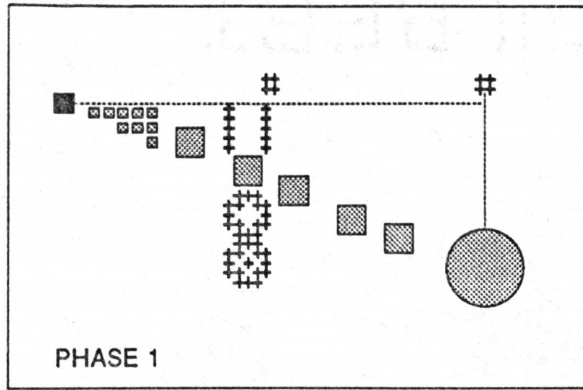
The use of two different structures was developed. One structure provides rooms for permanent uses, while the other structure provides floors to accommodate flexible program needs.

In early phases, the C.I.T. will house headquarters and communication facilities. In later phases research and development facilities and exhibit spaces will be added.

The C.I.T., at its full completion, will provide three main functions; a link between universities, industry and government, a physical meeting place for education, research and development and conferences, and a showcase for technology and its products to the public.

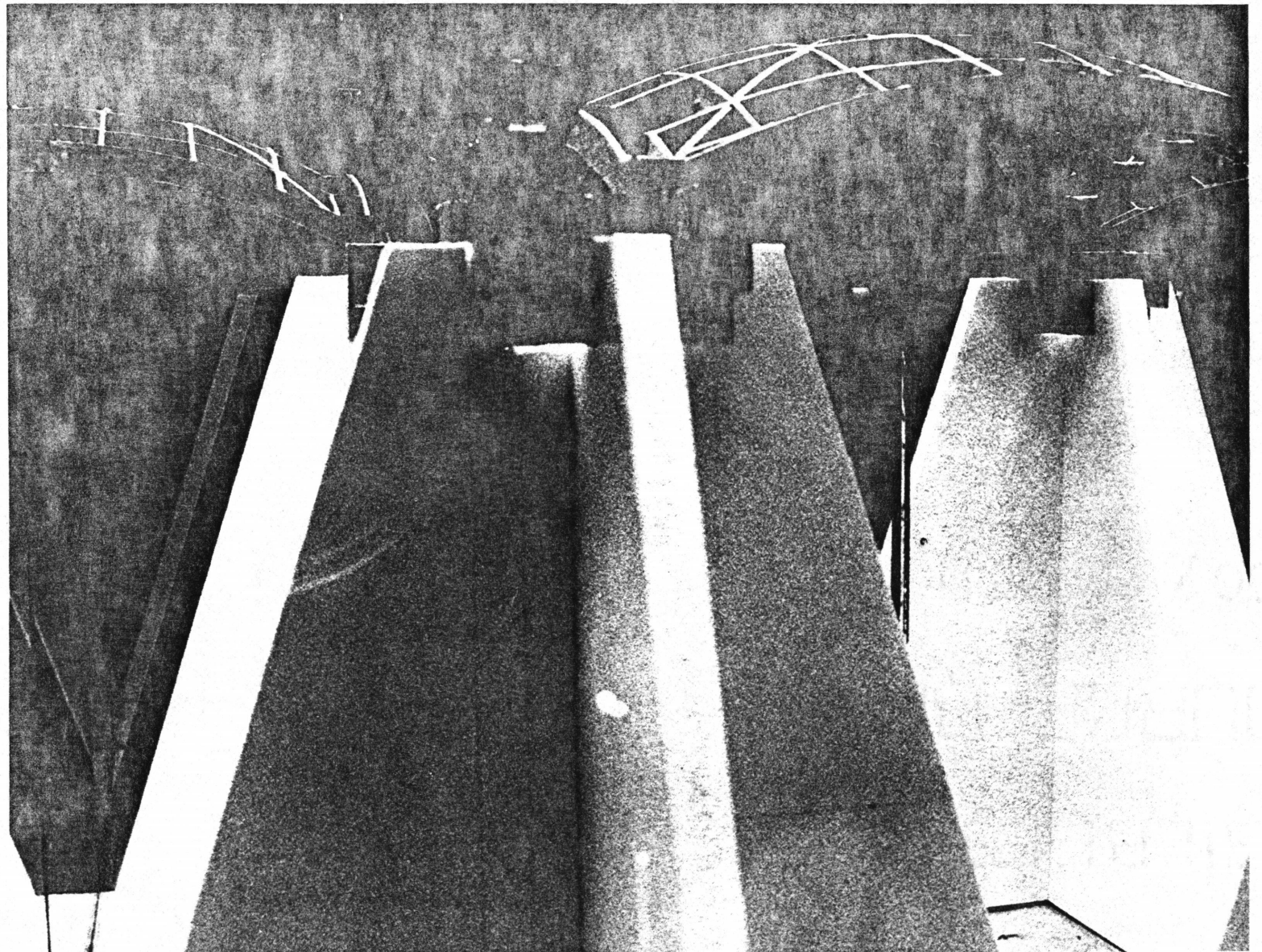
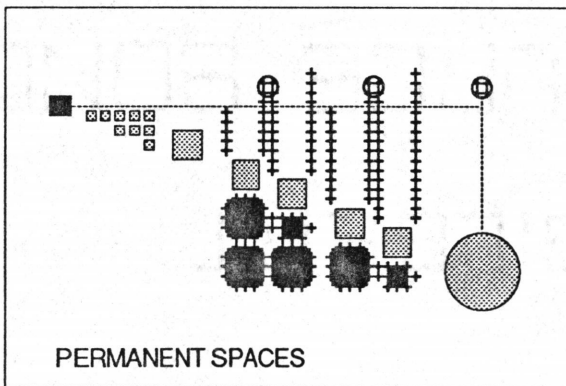
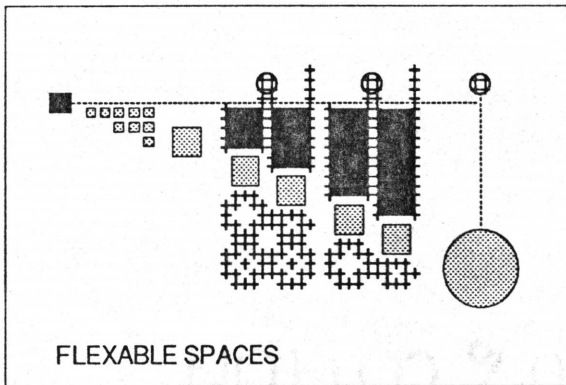
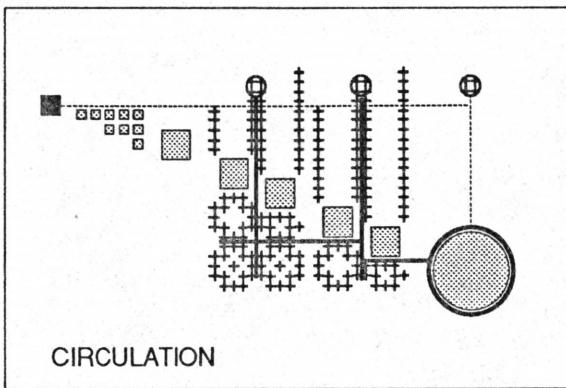
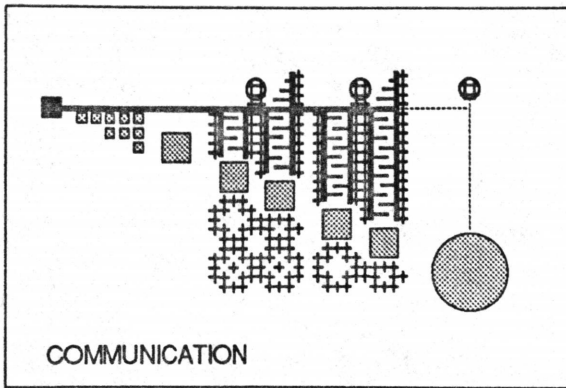


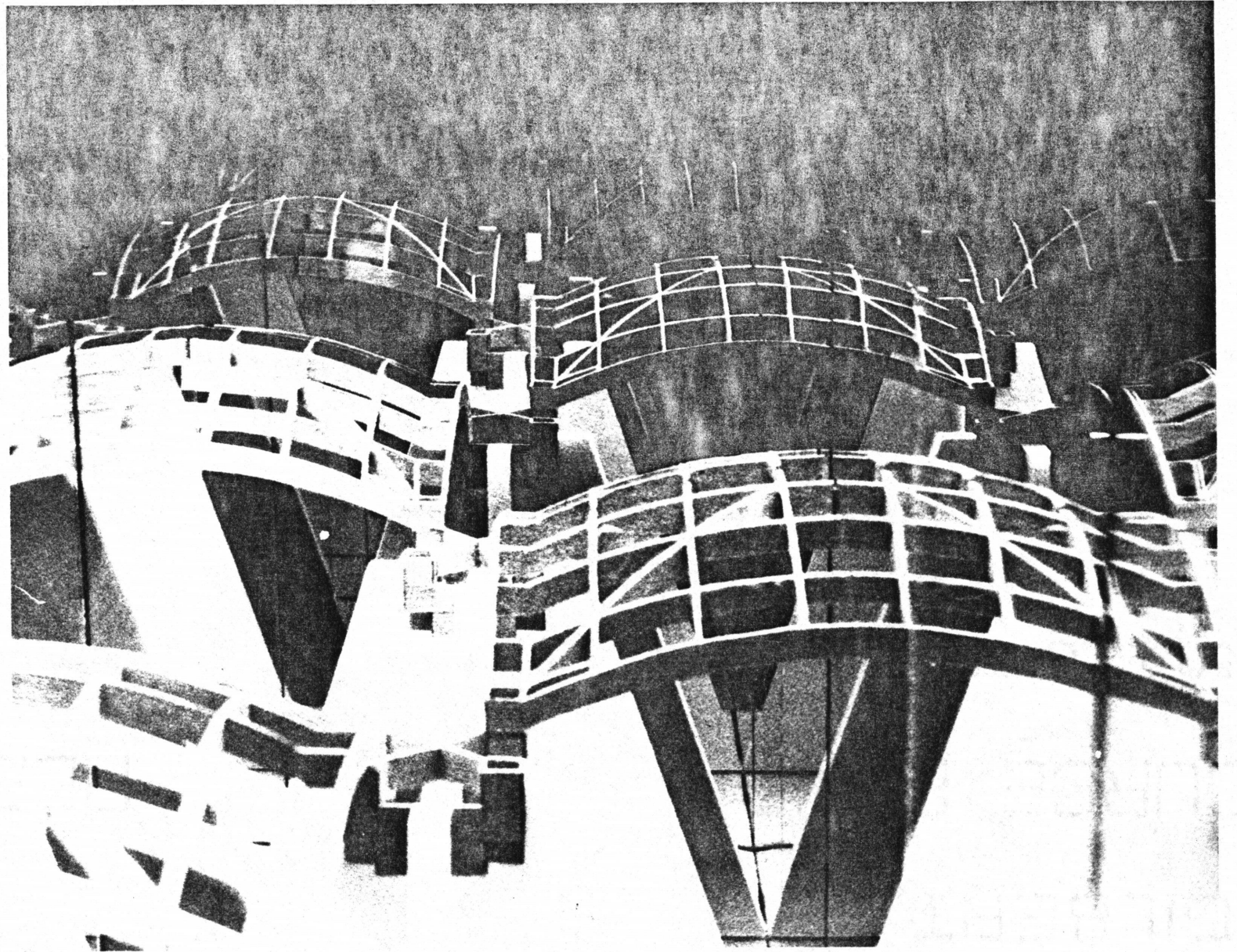
THE GROWTH

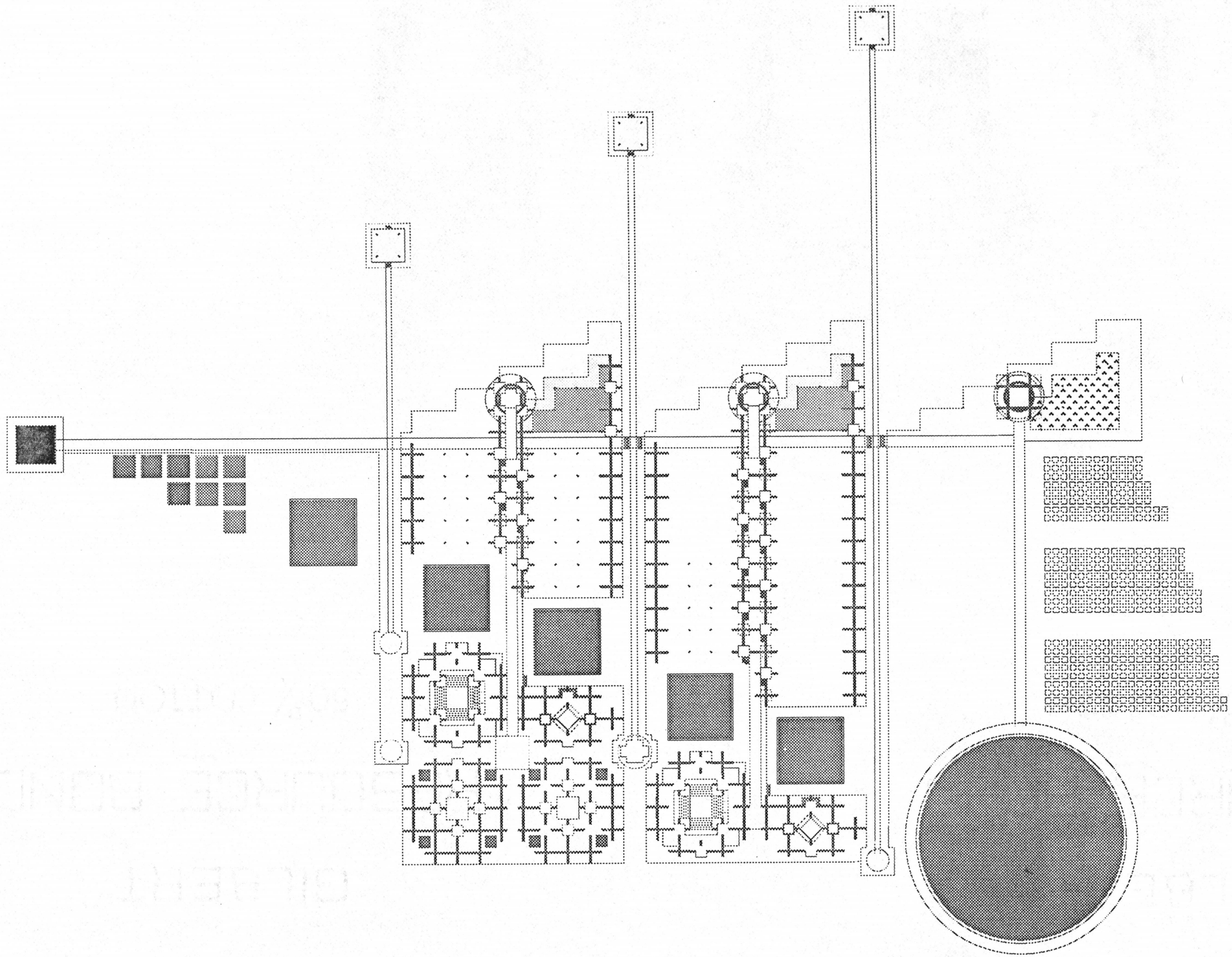




THE SERVICES

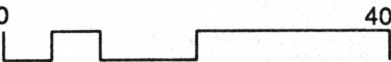


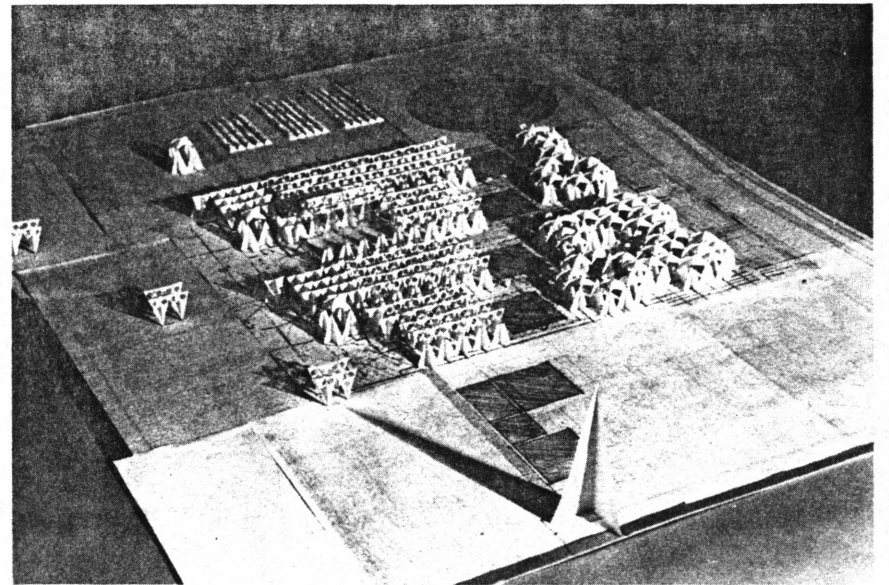
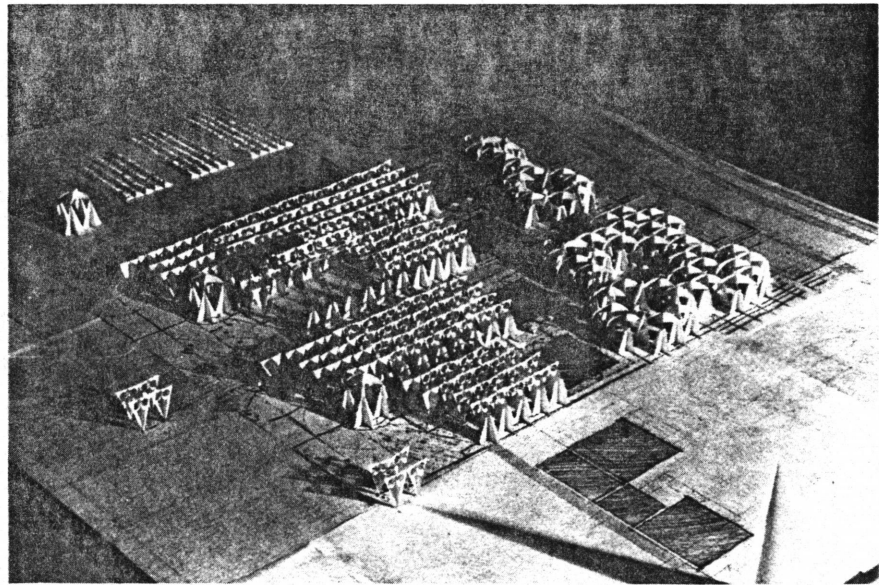
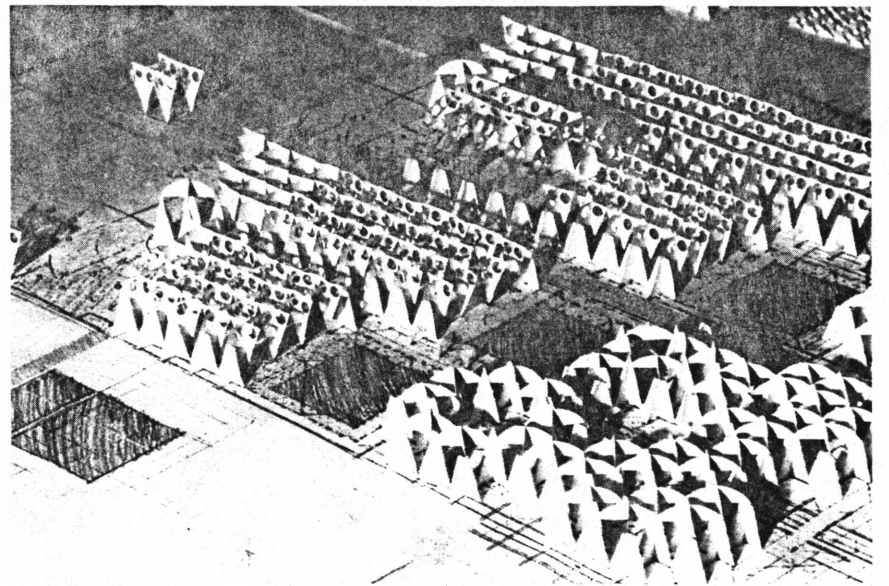
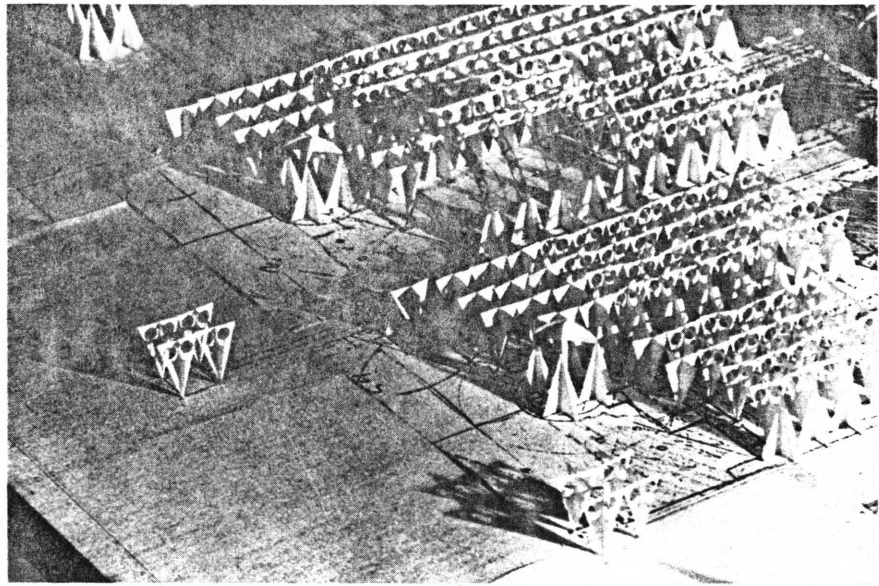




A series of three rectangular blocks of text, each consisting of multiple lines of small, illegible characters. These blocks are positioned on the right side of the plan, connected to the main layout by thin lines.



PLAN 0  400 FEET



THE USE

