

A CHILD DAY CARE CENTER

By

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Submitted in Partial Fulfillment of the Requirements for  
the Degree of Bachelor of Architecture  
at the  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

May 21, 1970

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Chairman of the Department

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115 Harvard Street  
Cambridge, Massachusetts  
May 21, 1970

Professor Donlyn Lyndon, Chairman  
Department of Architecture  
Massachusetts Institute of Technology  
77 Massachusetts Avenue  
Cambridge, Massachusetts

Dear Professor Lyndon:

I submit this thesis as required for the Degree of Bachelor of Architecture to the Massachusetts Institute of Technology's Department of Architecture.

~~Ralph P. Albanese~~

## ABSTRACT

A Child Day Care Center sponsored by M.I.T. for the Cambridge Community is critical to this time if M.I.T. wishes to be responsive to the Community. A Day Care Center would make it possible for mothers to go to work and subsidize the family income. Families with only mothers at the head now can leave their children in capable hands while she is working.

The chief personal reason why I selected a Day Care Center for my thesis is because I wanted to be exposed to as many design issues as possible. A Day Care Center has potential in confronting a wide range of design issues.

### ACKNOWLEDGEMENT

I would like to thank those people of the KLH Child Development Center and the M.I.T. Child Day Center who helped me become familiar with their work.

I would also like to thank my fellow students for their criticism and advice, and I would most like to thank Richard Tremaglio

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## INTRODUCTION

The Day Care Center is for the use of the children of the Cambridge community and children of M.I.T. students and staff. The ages of the children will be from 2 to 5 years. The center will have 30 children initially. The maximum capacity will be 45 children. The staff initially will consist of 8 members: 2 teachers, 2 teacher's aids, director, assistant director, secretary and cook. The maximum staff will be 10: one additional teacher and one teacher's aid.

The center will be organized as a cooperative Child Day Care Center. The parents will become members of the Board of Directors, helping to set policies for the Center. The parents are also expected to volunteer time to the Center. The Center will be open from 9:00 A.M. to 5:00 P.M. A kitchen serving hot lunches prepared on the premises and snacks will be required.

## SITE SELECTION

The Center will be located on the southern corner of the intersection of Broadway and Portland streets. The site is 9,450 square feet. The Portland and Broadway site was selected because it is part of Technology parking lot. On one would have to be relocated to make room for the center. The site displaces the maximum of 27 cars. The site would be opposite two Cambridge public housing projects. It is also four blocks from M.I.T. Broadway has a bus route in two directions. The Kendall Square subway station is a five minute walk from the Center.

If the Center would be placed on the M.I.T. campus it would be closed off from the Cambridge community.

## BASIC SPACE REQUIREMENTS

Kitchen	375-340
Children's Toilet	
Laundry	
Common Rough Space	750
Offices (Director and Assistant Director)	300
Medical Room	150
Staff lounge (meeting place for parents and staff library)	
Staff Toilets (male and female)	
2 Group Spaces	1000
Children's Library	800
Outdoor Space	4500
Storage (extra group space)	1000
Mechanical room	

The total building area will be approximately 8000 sq.ft. The outdoor space will be approximately 4500 sq.ft. The Center will occasionally be open at night for parents and community meetings. The outdoor play space can be used by anyone after the Center is closed and on the weekends.



RESOURCE MATERIAL FOR DAY CARE PLANNING

Designing the Child Development Center. Project Head Start  
Community Action Program, Office of Opportunity,  
Washington, D.C., Ronald W. Haase

Where Learning Happens. Stephen Carr, Kiven Lynch, Daedalus,  
February, 1969.

Coming of Age in America. Edgar Z. Friedenberg

The Use of Neighborhoods by Mothers and Young Children.  
Dave Stern

Children's Play on Housing Estates. Vere Hold

Child's Play. Dave Aaron and Bonnie P. Winawer

Housing the Nursery School. Mary M. Rogers

The Care of Children: Community Needs and Responsibility.  
Dave Stern

Child Behavior. Frances Ilg and Lousie Bates Ames

New Playgrounds. Lady Allen of Huntwood

Design for Play. Lady Allen of Huntwood

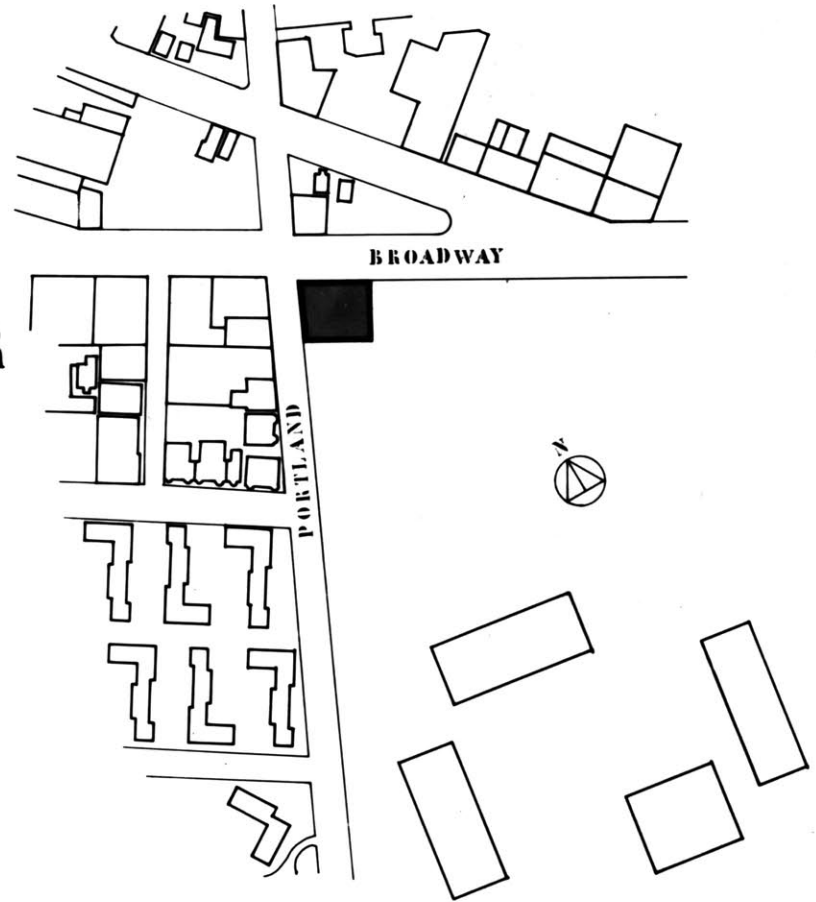
# A CHILD DAY CARE CENTER

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MIT THESIS MAY 24 1970 SCALE 1"=100'-0" SITE PLAN



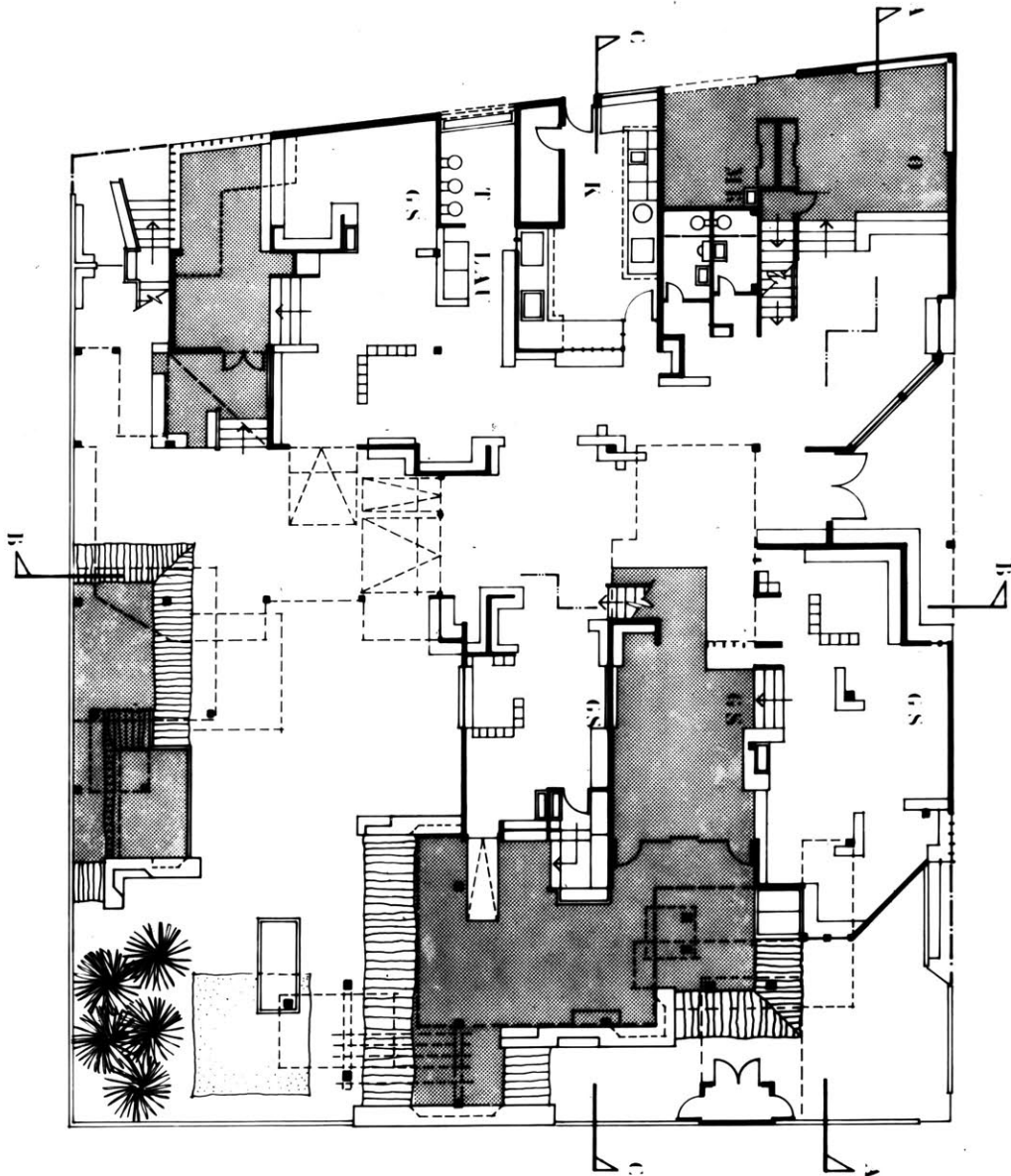
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PLAN

GROUND FLOOR



# A CHILD DAY CARE CENTER

2

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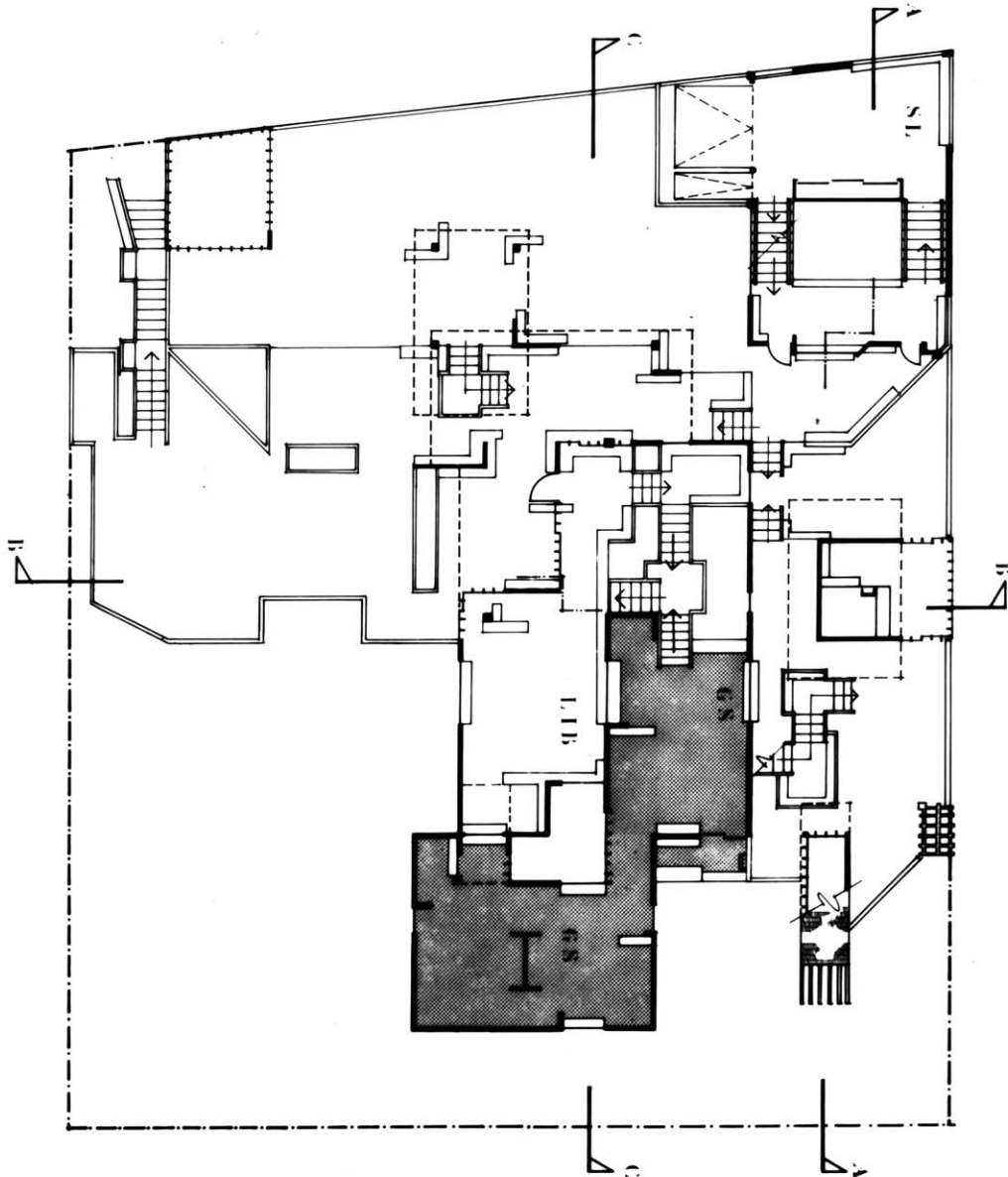
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PLAN

SECOND FLOOR



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5

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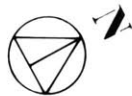
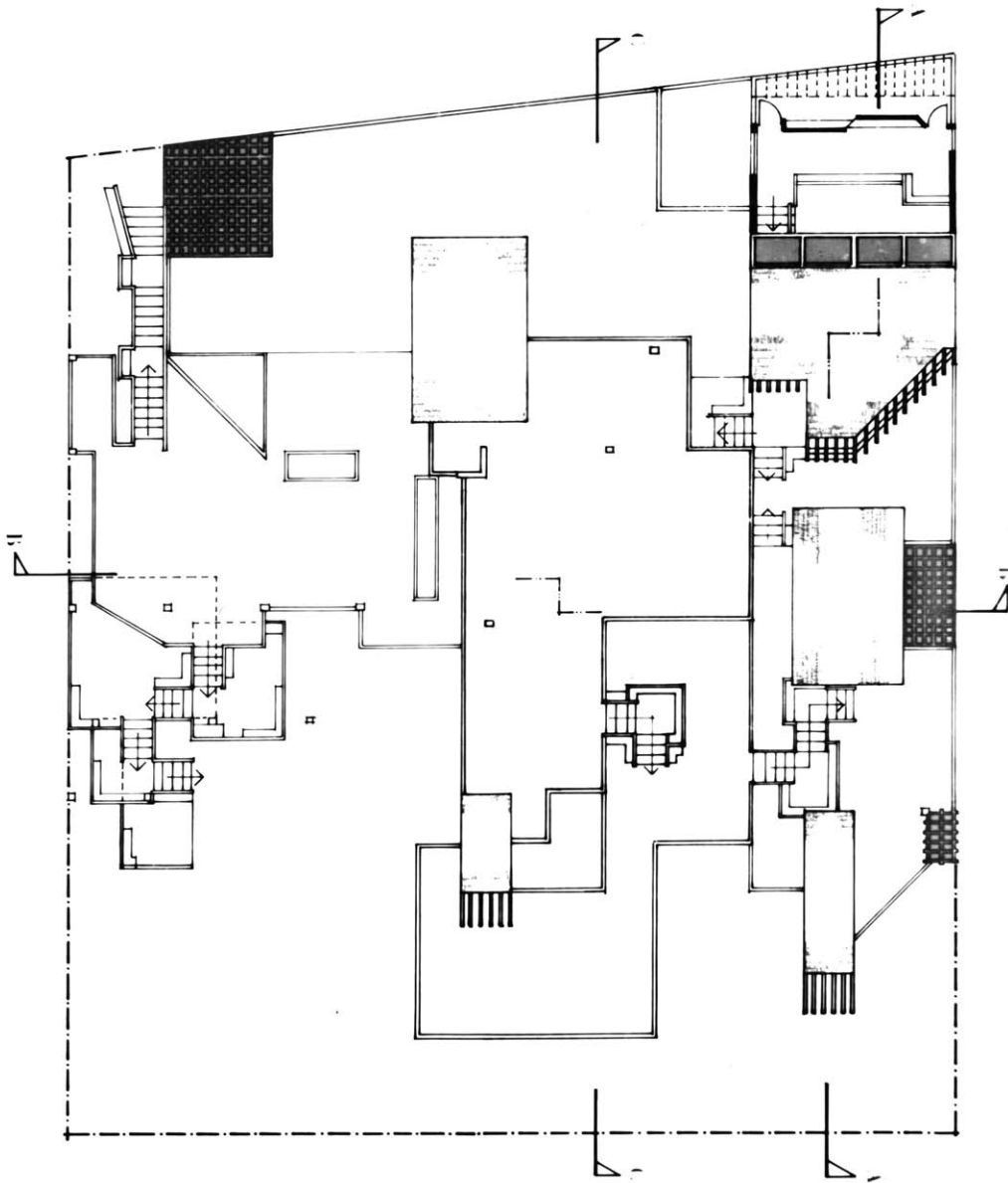
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PLAN

ROOF



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4

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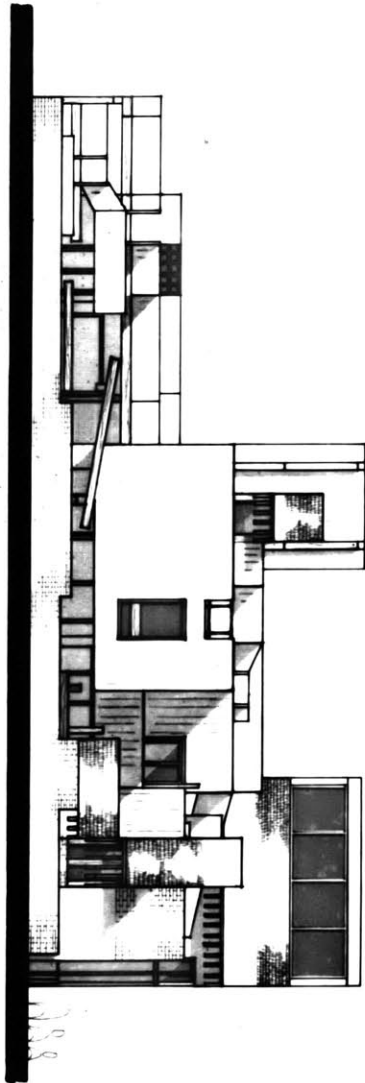
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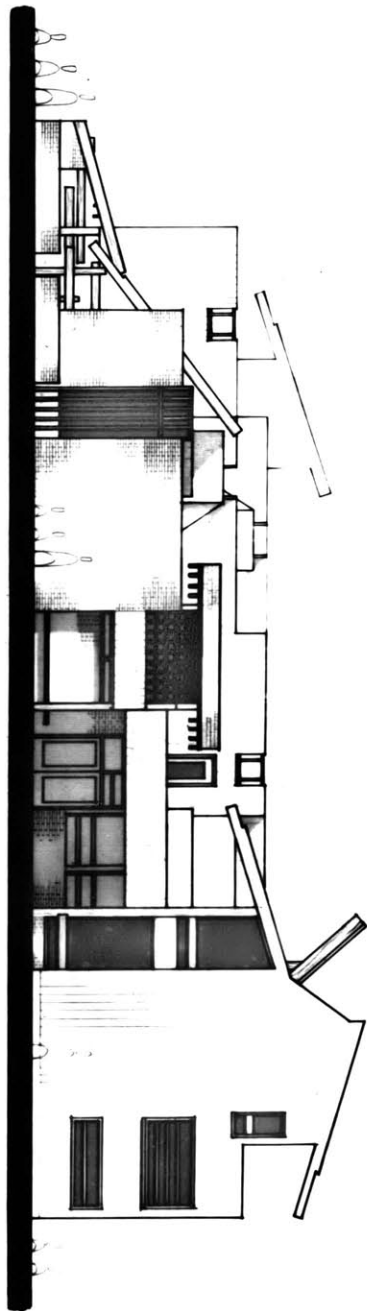
ELEVATIONS

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EAST



NORTH



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5

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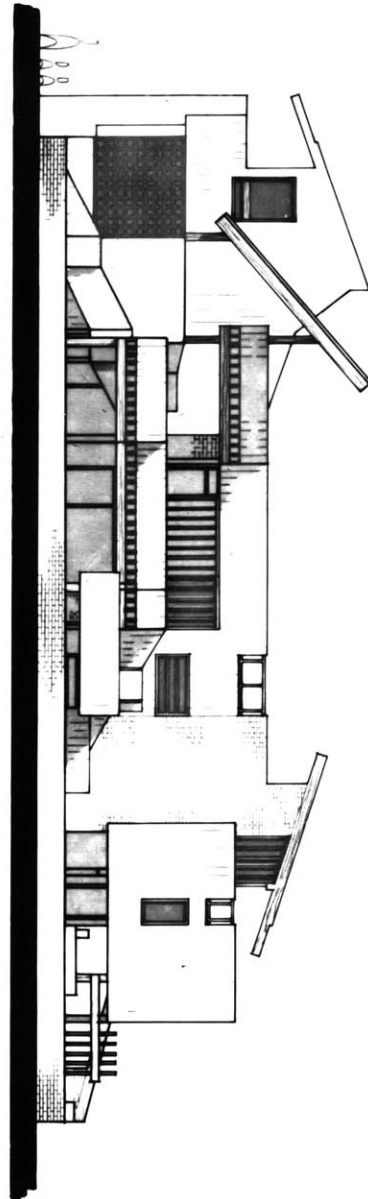
ELEVATIONS

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WEST



SOUTH



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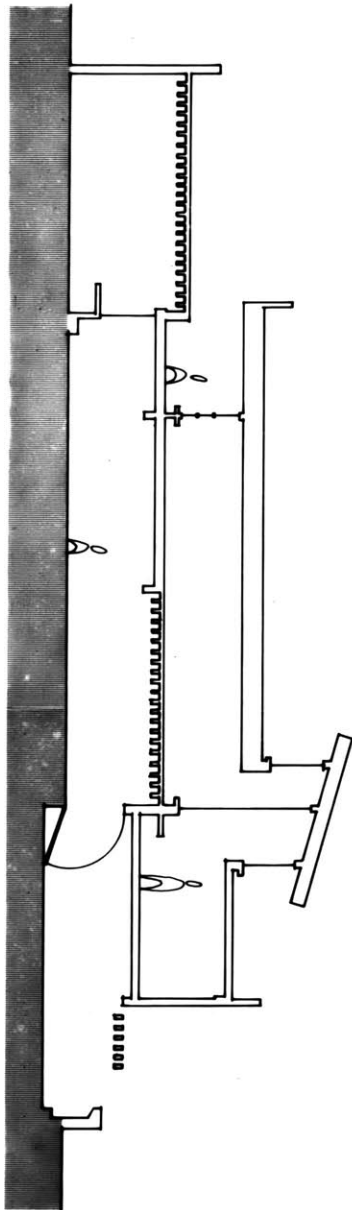
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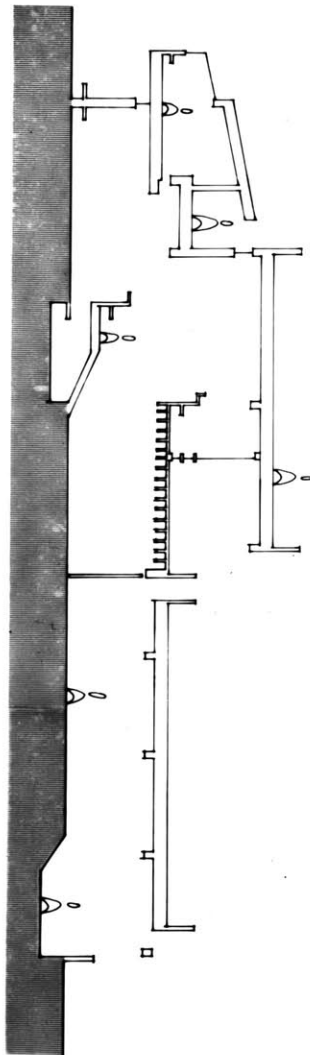
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**SECTIONS**

D-D



B-B



A-A

