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# A Design Program for a Fraternity House Complex for the Development of the South Campus of the University of New Mexico

Robert H. Sanchez Jr.

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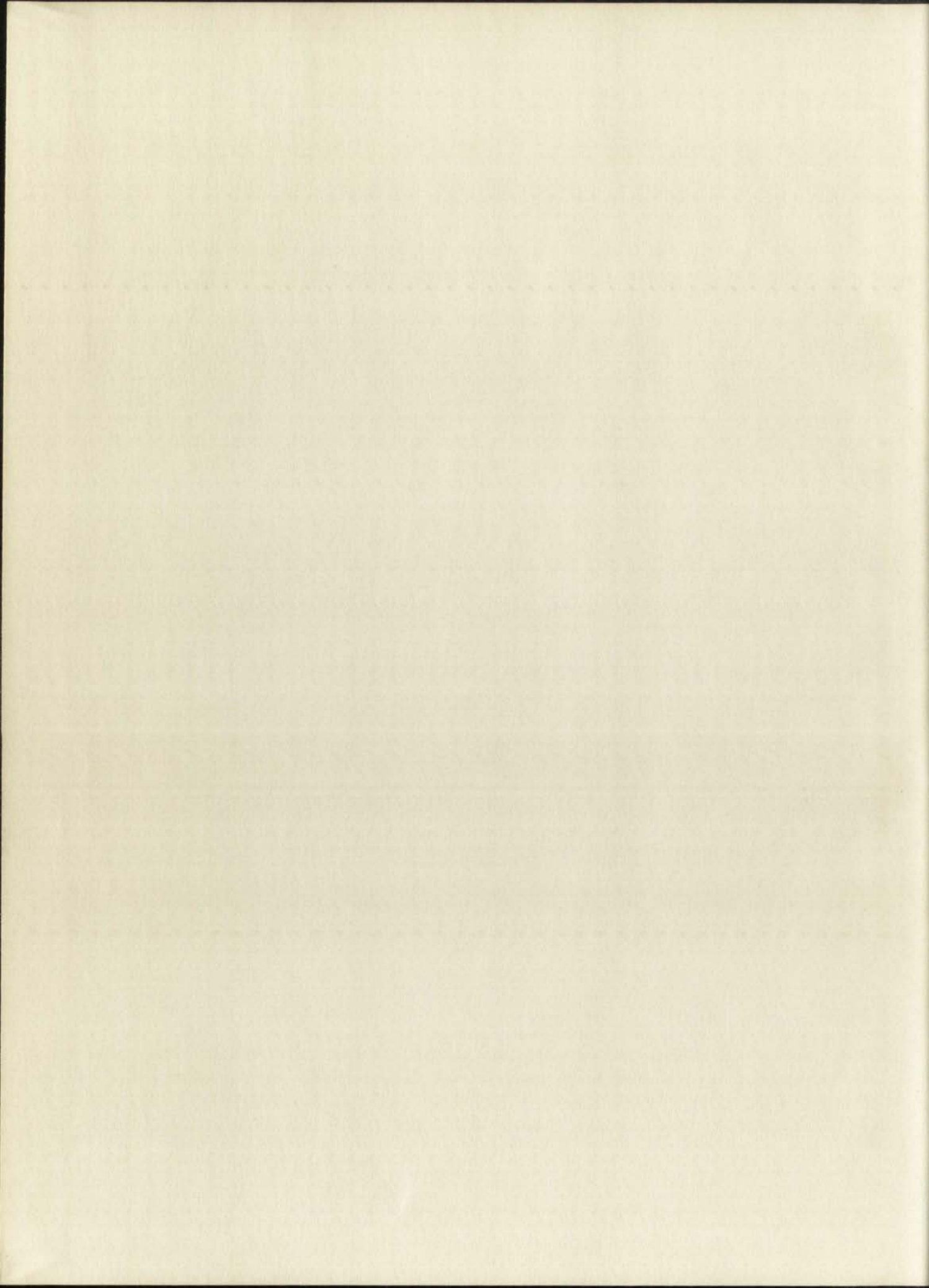
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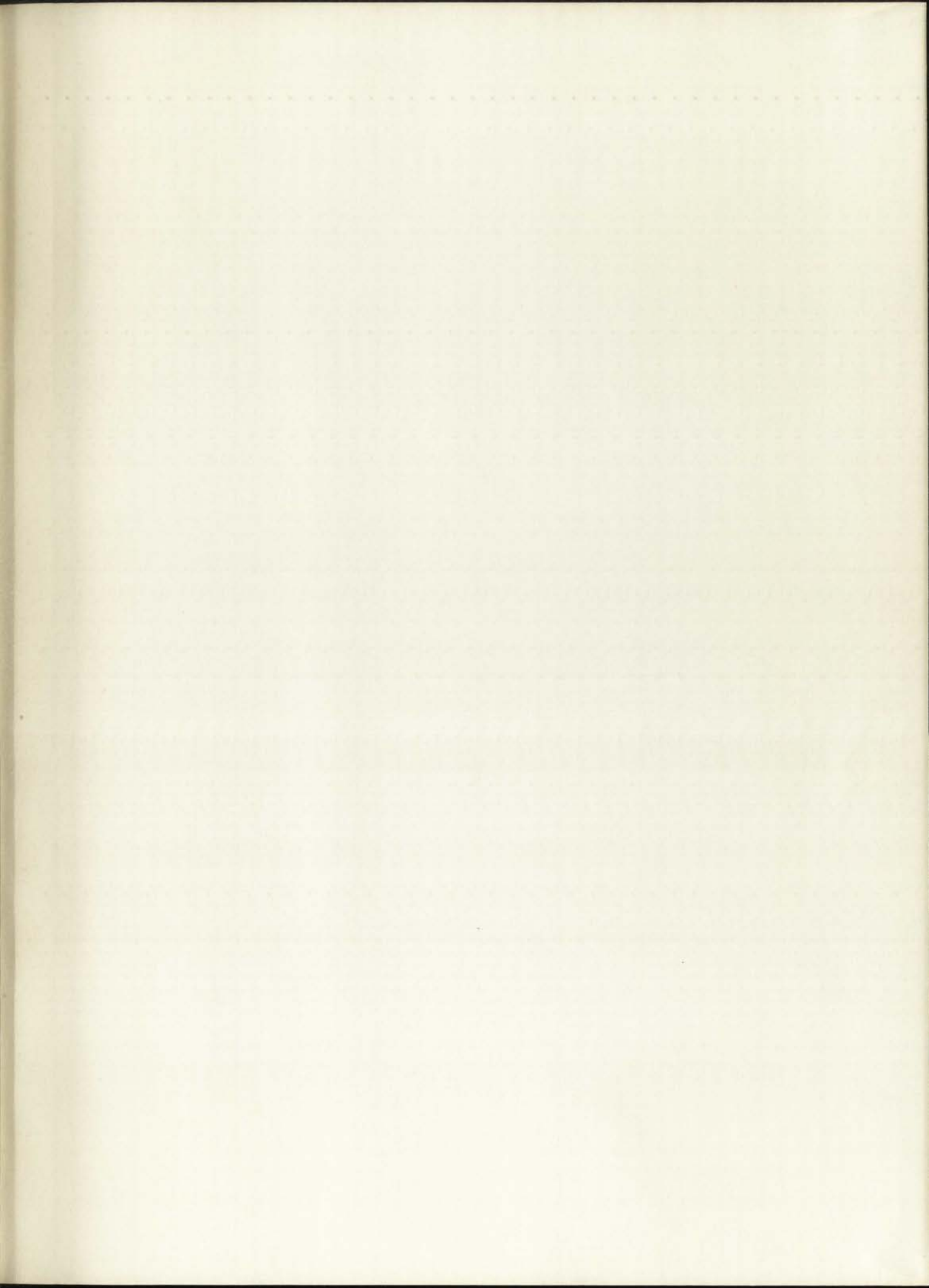
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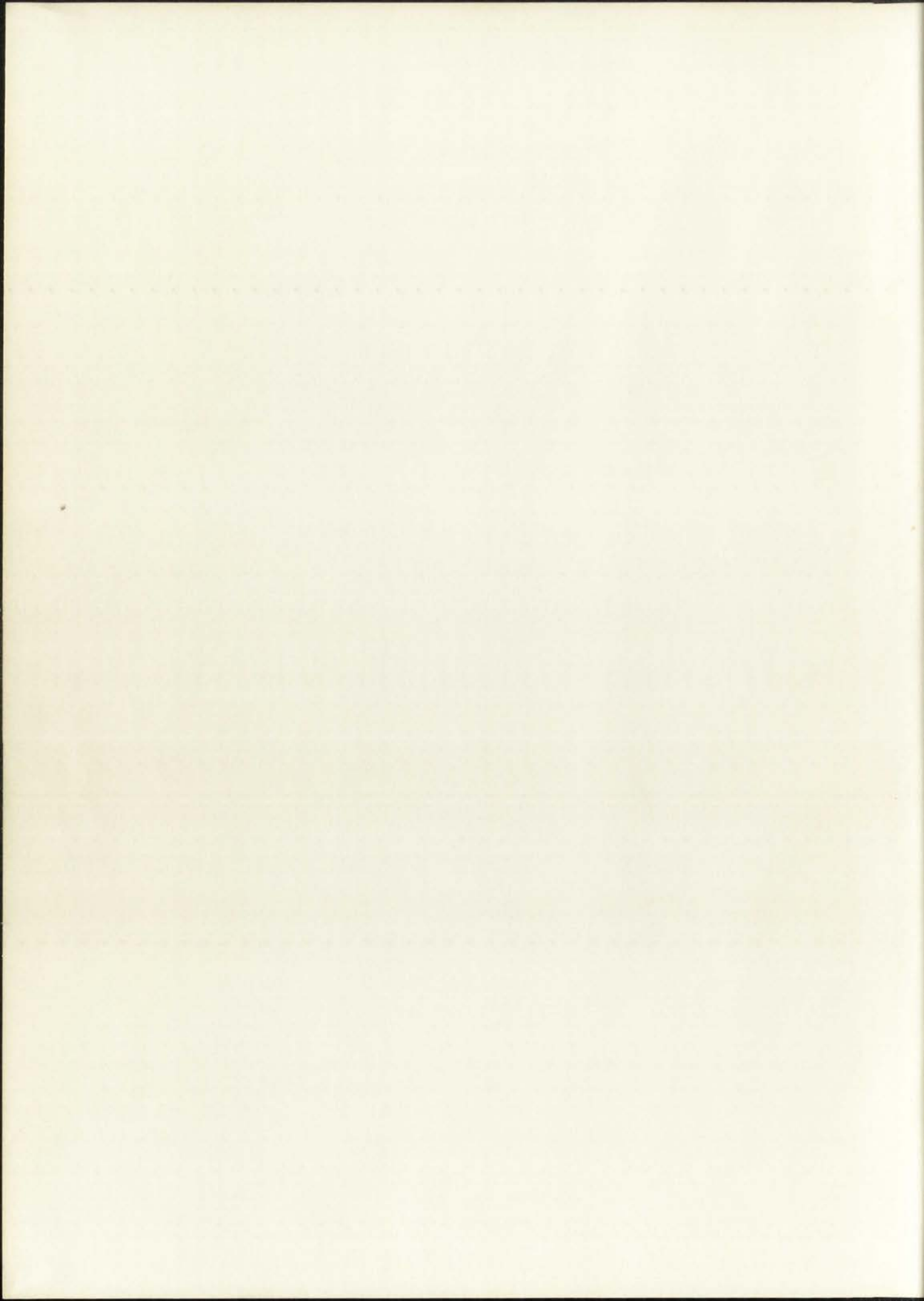
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A DESIGN PROGRAM  
FOR A FRATERNITY HOUSE COMPLEX  
FOR THE DEVELOPMENT OF THE SOUTH CAMPUS  
OF THE UNIVERSITY OF NEW MEXICO

Submitted in partial fulfilment of  
the requirements for the degree of  
Bachelor of Architecture  
The College of Fine Arts,  
University of New Mexico  
May 25, 1966  
by Robert H. Sanchez Jr.

© B Y

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## I N T R O D U C T I O N

The problem is to provide facilities for nine fraternities on the south campus of the University of New Mexico. The complex should have facilities for 300 men live-in. Dining facilities for 360 men, with one central kitchen should provide maximum space for special occasions. The possibility of separate dining areas for each fraternity with some type of removable partitions for large gatherings, to be used by one or two fraternities at a time should be investigated.

The individuality of each fraternity should somehow be expressed in the design of the building. Each fraternity functions more or less like the rest, so the requirements for one, with small changes, should serve the requirements of the rest. The close proximity of one house to another will make possible the sharing of facilities, such as a community laundry, coin-operated, with washers and dryers. Recreation facilities can be shared, they may be on an adjacent plot of ground owned by the university, to be shown in an overall plan by a different thesis.

Studying facilities should be of prime importance. Sleeping, dining, washing and toilet facilities should be as convenient as possible. The hotel atmosphere should consciously be avoided in an attempt to give the feeling of a home away from home.

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## T H E     S I T E

The University has provided about 10 acres on the south campus at the intersection of Cambridge Avenue and University Boulevard. The eastern portion of the site is bordered by a baseball field owned by the Heights Community Center. The southern portion is available to the University and will probably be used for parks or some type of recreational facility.

The terrain is very rugged, changing in elevation as much as thirty feet. Much of the land would have to be graded to be usable.

The desirable views are the Sandia Mountains, the city lights, the Sunport lights, the park to the west, and in the future the park to the southeast. The least desirable view is directly to the east.

The University has provided about 100,000 sq ft of  
about campus at the intersection of University  
and University Boulevard. The eastern portion of the  
site is bordered by a residential development  
heights community of 100,000 sq ft. The development  
is located to the east of the site. The site is  
used for parking of some type of a vehicle.  
The terrain is very irregular and the  
as much as thirty feet. The terrain is  
to be graded to be level.  
The desirable view from the site is  
city lights, the airport, and the  
and to the south the base of the mountain.  
desirable view is directly to the south.

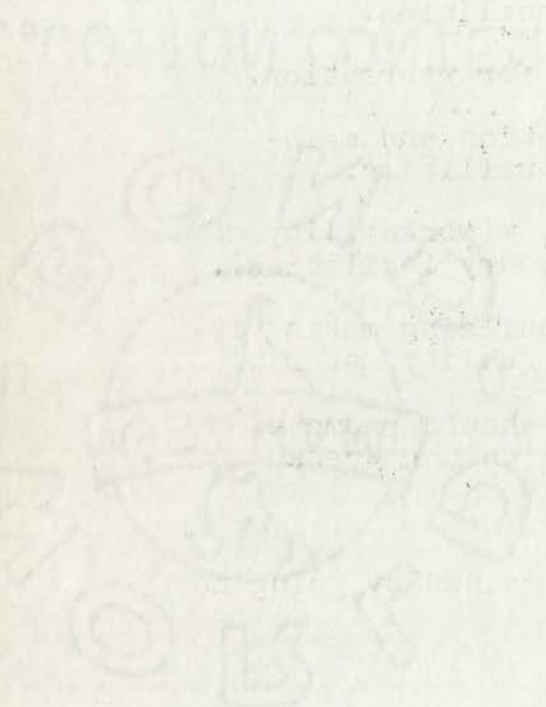
## D E S I G N      D E T E R M I N A N T S

The design should somehow reflect the local University design, this is a requirement made by the University. There is much to be gained by making the complex in a closely knit arrangement instead of in ~~nine~~ large separate areas:

1. Provide more parking facilities.
2. Provide more open area for recreation.
3. Lessen cost of installation and maintenance of heating and utilities.
4. Facilitate workability, (workability of central kitchen and laundry facilities).
5. Lessens total cost of building making it possible to use higher quality material
6. A unifying factor - it should promote the feeling of unity which the Greek system is striving for.

Many of the same advantages are gained by going to a multilevel building.

The design of the...  
to which is...  
and...



Copyright 1911 by...



## BASIC REQUIREMENTS FOR EACH FRATERNITY

1. Formal Entry  
coat closet adjacent, ladies powder room
2. Living Room  
formal receiving room
3. Meeting Area  
chapter meetings room, privacy being essential
4. Chapter Office  
security room for storage of important materials  
paraphernalia for initiations, chapter business etc.
5. Housemother's Room  
sitting room, bedroom, bath, closet storage, small  
kitchenette private entrance should be located in  
quiet area.
6. President's room  
sitting room, study room, bedroom
7. Dormitory  
two man rooms, sleeping and studying facilities
8. Bathrooms  
adequate washing facilities should be provided
9. Dining  
centralized facilities for feeding total number  
of members
10. Recreation room  
for games and social functions
11. Kitchen  
serving total facility
12. Laundry room  
washers, dryers, lounge

1. BASIC INFORMATION: BUILDING 1471

1. Apartment Entry

2. Coat closet, broom closet, linen closet

3. Living Room

4. Dining Room

5. Kitchen Area

6. Kitchen Island, breakfast bar, stools

7. Kitchen Office

8. Kitchen Island, breakfast bar, stools, kitchen island, kitchen island, kitchen island

9. Kitchen Island, breakfast bar, stools

10. Kitchen Island, breakfast bar, stools, kitchen island, kitchen island, kitchen island

11. President's Room

12. Dining Room, breakfast bar, stools

13. Dining Room

14. Dining Room, breakfast bar, stools, kitchen island, kitchen island, kitchen island

15. Bathroom

16. Bathroom, shower, toilet, vanity, linen closet

17. Dining

18. Dining, breakfast bar, stools, kitchen island, kitchen island, kitchen island

19. Recreation Room

20. Recreation Room, pool table, bar, kitchen island, kitchen island, kitchen island

21. Kitchen

22. Living Room, dining room, kitchen island, kitchen island, kitchen island

23. Laundry Room

24. Laundry Room, washer, dryer, ironing board

SQUARE FOOTAGE REQUIREMENTS

<u>Type of Space</u>	<u>Area in Sq. Ft.</u>	<u>Total Sq. Ft.</u>
Entry	100	900
Meeting Room	500	4500
Chapter Office	150	1350
Housemother's room	400	3600
President's room	200	1800
two-man dormitory	300	43200
bathrooms	400	3600
dining	500	4500
kitchen	2400	2400
laundry	1000	1000
mechanical equipment	600	<u>600</u>
TOTAL . . . . .		<u>67,450</u>

Type of error

Type of error	Frequency	Percentage	Mean	Standard deviation
Reading error	100	10.0	1.0	0.5
Spelling error	200	20.0	2.0	1.0
Transposition error	150	15.0	1.5	0.8
Insertion error	120	12.0	1.2	0.7
Deletion error	130	13.0	1.3	0.7
Substitution error	180	18.0	1.8	0.9
Other errors	100	10.0	1.0	0.5

Total

## FUNCTIONS OF INDIVIDUAL SPACES

### Entry Room

Provides main entrance to house, should have an adjacent coat closet. Leads to main receiving area in living room.

### Living Room

Main receiving area for guests. Allow as little through traffic as possible. One section devoted to display area for trophies etc.

### Recreation

A general romper room for noisy activities with space for games etc.

### Chapter Office

Mainly a security room for storage of important material and paraphernalia for documents and business files.

### Housemother's room

A room for the housemother with sleeping and sitting area and a small kitchenette.

### President's room

A large one-man room, with bedroom and study area.

### Dormitory

Two-man rooms with at least one bathroom for every six men.

### Bathrooms

There should be a ladies room adjacent to the living room and a men's room for guests.

### Dining

Adjacent to central kitchen, each fraternity should have its own special place.

### Recreation Room.

The dining might possibly be converted to a large recreation space to be used by several fraternities at a time for large gatherings.

Barry from

Faint paragraph of text, possibly a salutation or introductory sentence.

Living room

Faint paragraph of text, likely describing the living room area.

Bedroom

Faint paragraph of text, likely describing the bedroom area.

Change of

Faint paragraph of text, possibly a transition or another section header.

Household

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Presumably

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Bedroom

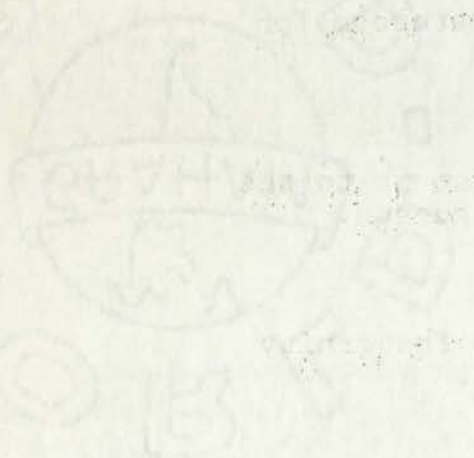
Faint paragraph of text, likely describing the bedroom area.

During

Faint paragraph of text, possibly a transition or another section header.

Recent

Faint paragraph of text, possibly a conclusion or final remarks.



The definition of a study room taken from:  
A REPORT FROM EDUCATIONAL FACILITIES LABORATORIES

1. A small room where one may study alone or with one or two other students.
2. A place being used exclusively for study at least at the time.
3. Freedom from distractions of movement and noise caused by other people.
4. Freedom from distractions of noise from physical sources: eg., telephones, plumbing, clanking radiators, typewriters etc.
5. Good lighting.
6. Temperature and ventilation under personal control.
7. Easy access to books and other study materials.
8. Comfortable chairs, adequate desk space and book shelves.
9. Some chance to relax, wear easy clothes, etc. for smokers freedom to smoke.
10. Decor and furnishings which are plain but not ugly, definitely not plushy or arty.

1. The first part of the document is a list of names and addresses of the members of the committee.

2. The second part is a list of the names of the members of the committee who have been elected to the office of chairman.

3. The third part is a list of the names of the members of the committee who have been elected to the office of secretary.

4. The fourth part is a list of the names of the members of the committee who have been elected to the office of treasurer.

5. The fifth part is a list of the names of the members of the committee who have been elected to the office of clerk.

6. The sixth part is a list of the names of the members of the committee who have been elected to the office of auditor.

7. The seventh part is a list of the names of the members of the committee who have been elected to the office of reporter.

8. The eighth part is a list of the names of the members of the committee who have been elected to the office of reader.

9. The ninth part is a list of the names of the members of the committee who have been elected to the office of collector.

10. The tenth part is a list of the names of the members of the committee who have been elected to the office of assessor.



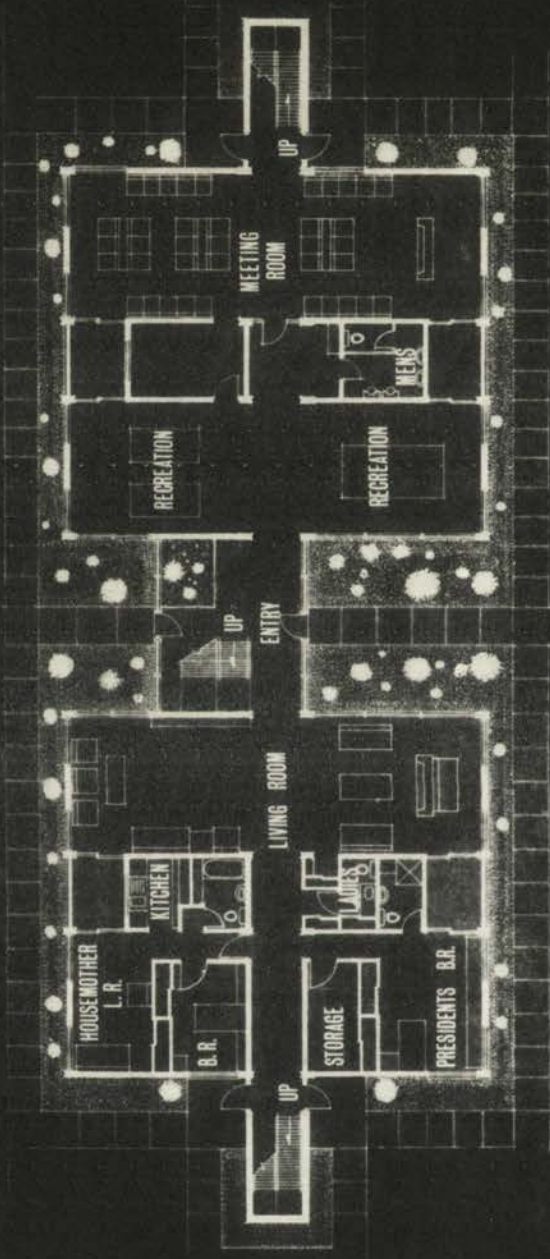
# A FRATERNITY HOUSE COMPLEX



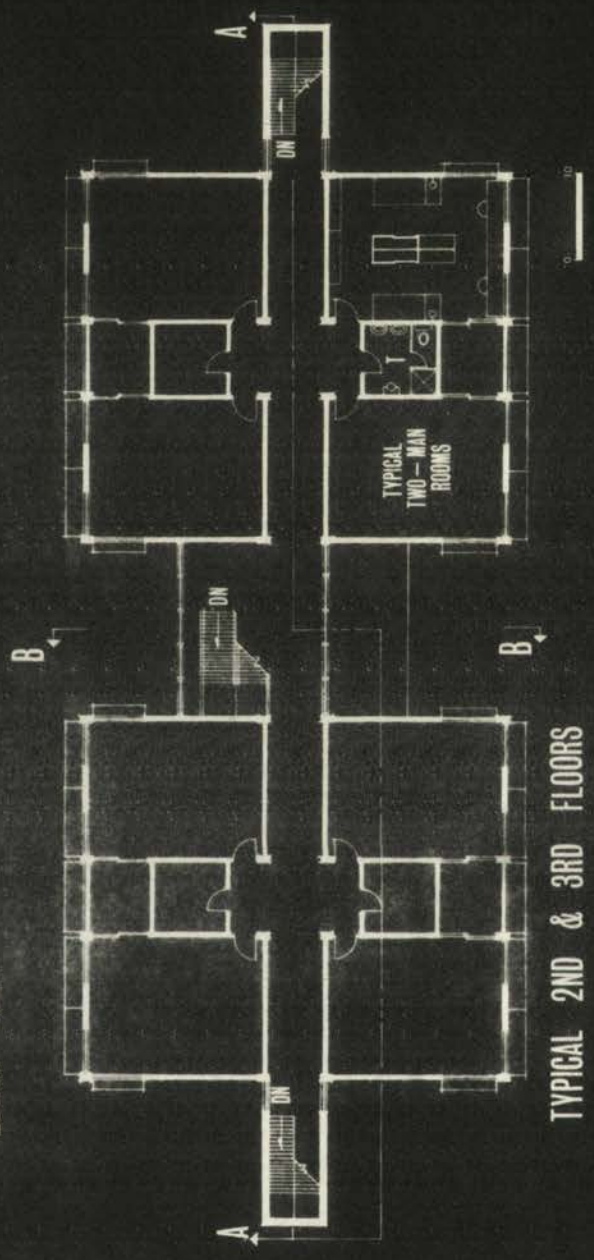
R. H. SANCHEZ

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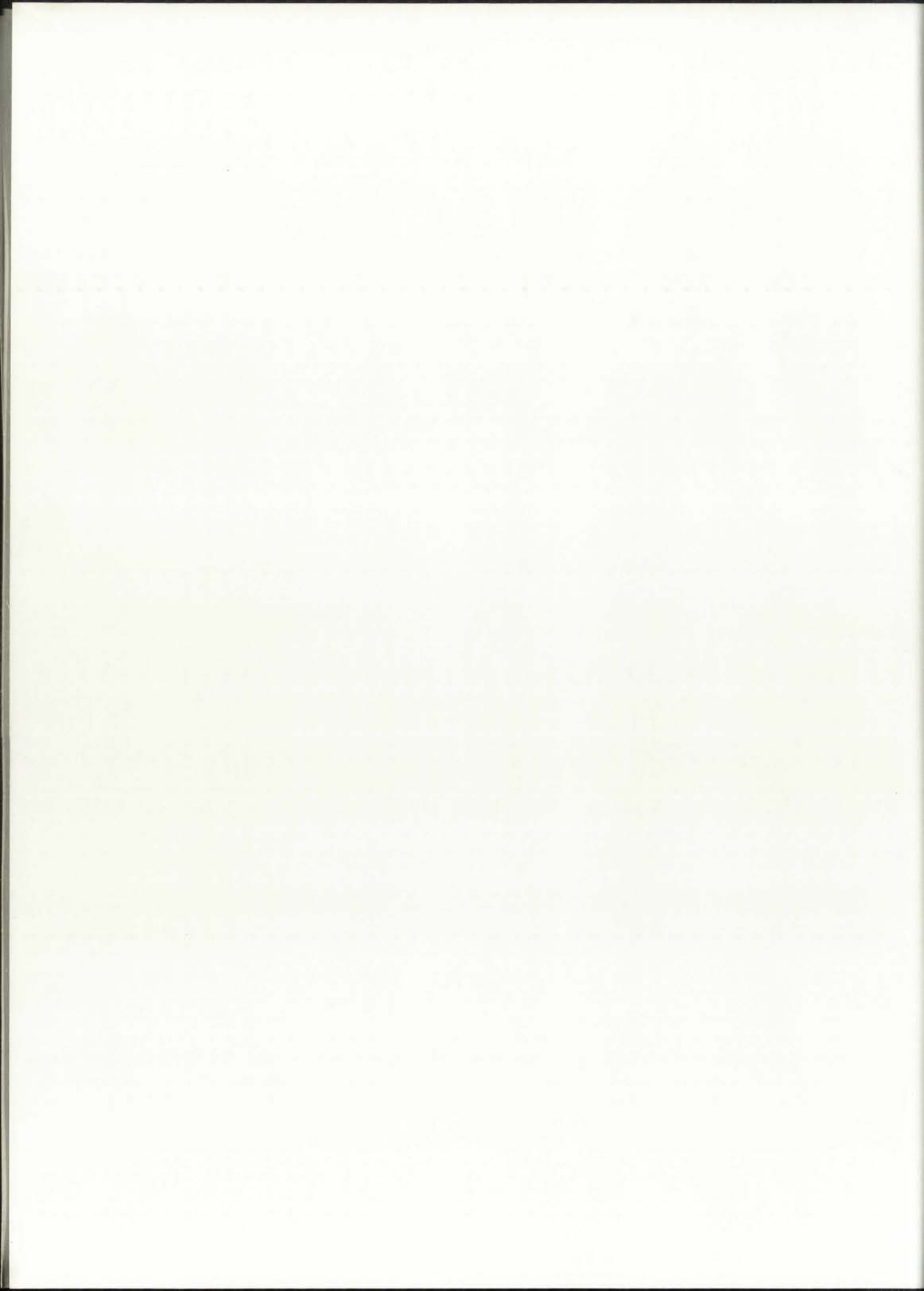


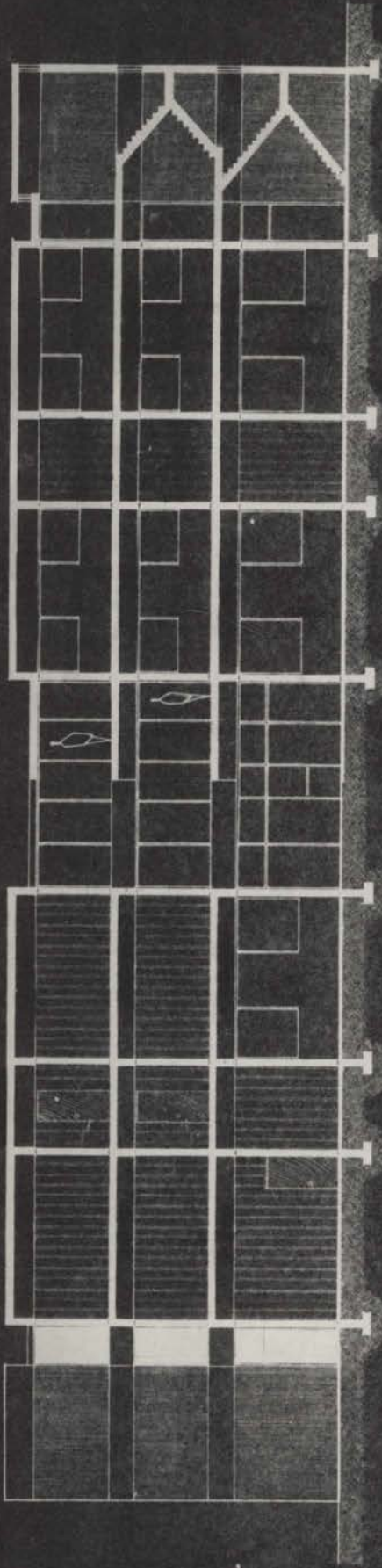


LOWER LEVEL

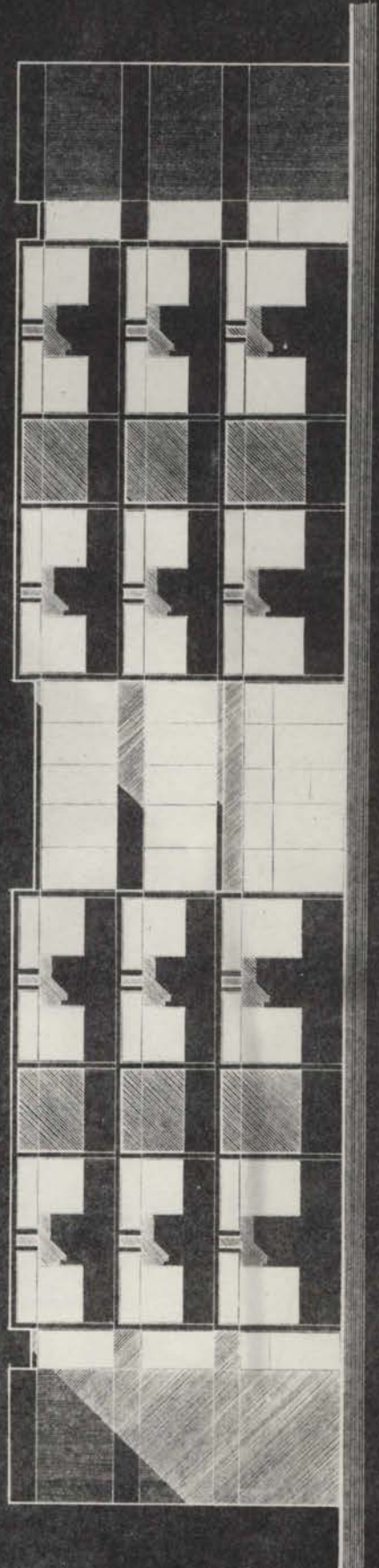


TYPICAL 2ND & 3RD FLOORS



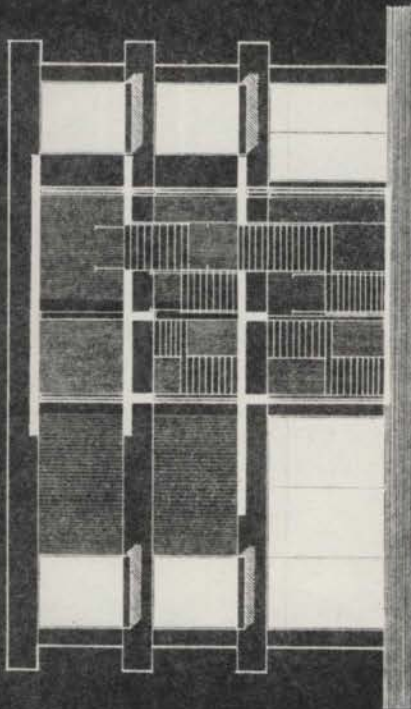


SECTION A - A

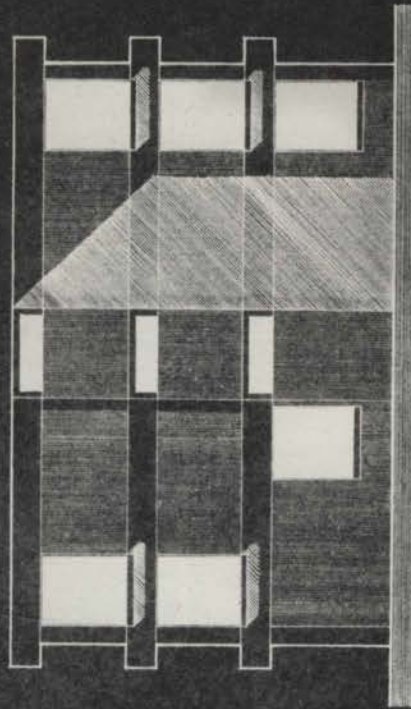


TYPICAL ELEVATION





SECTION B - B

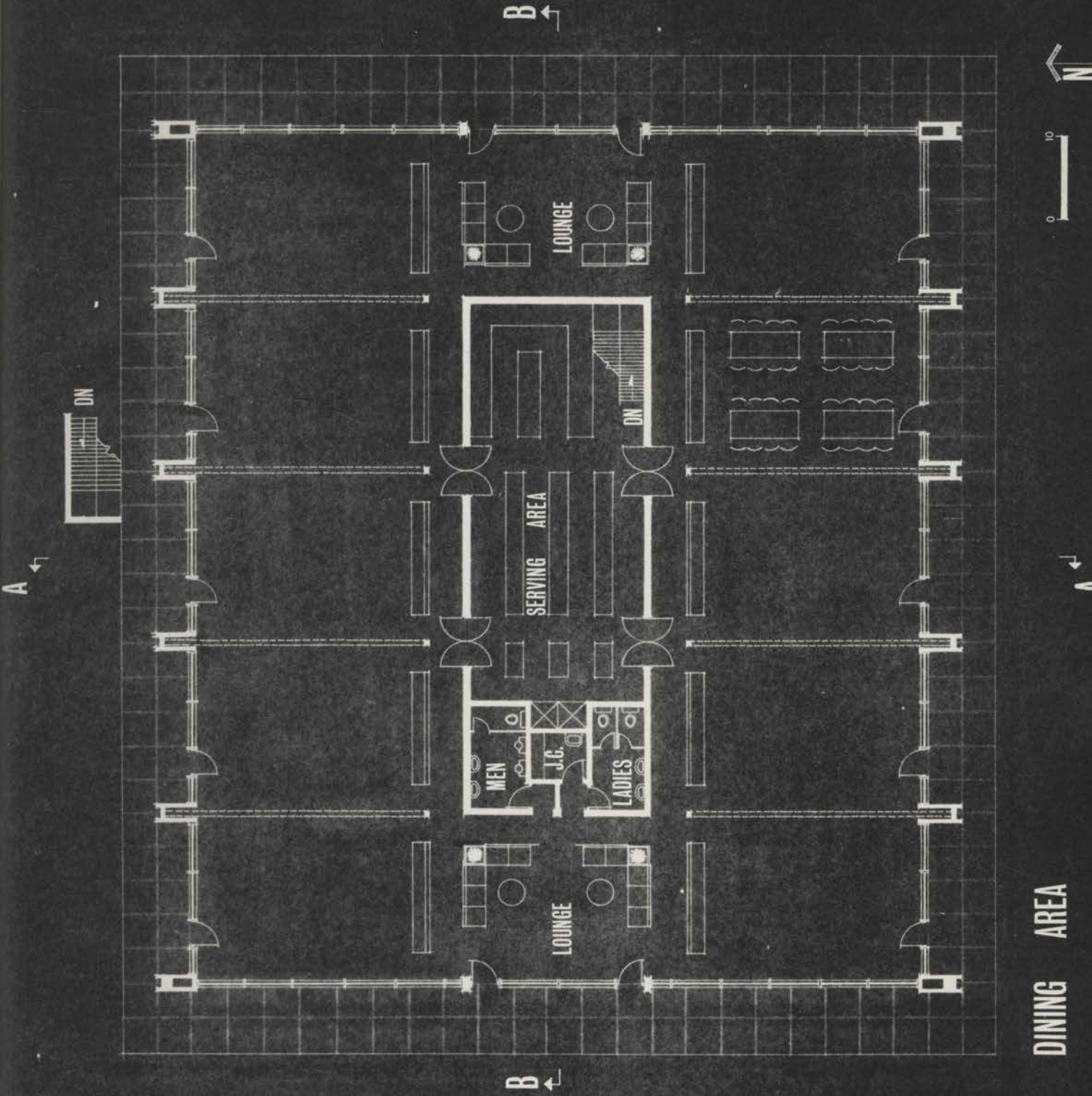


TYPICAL SIDE ELEVATION



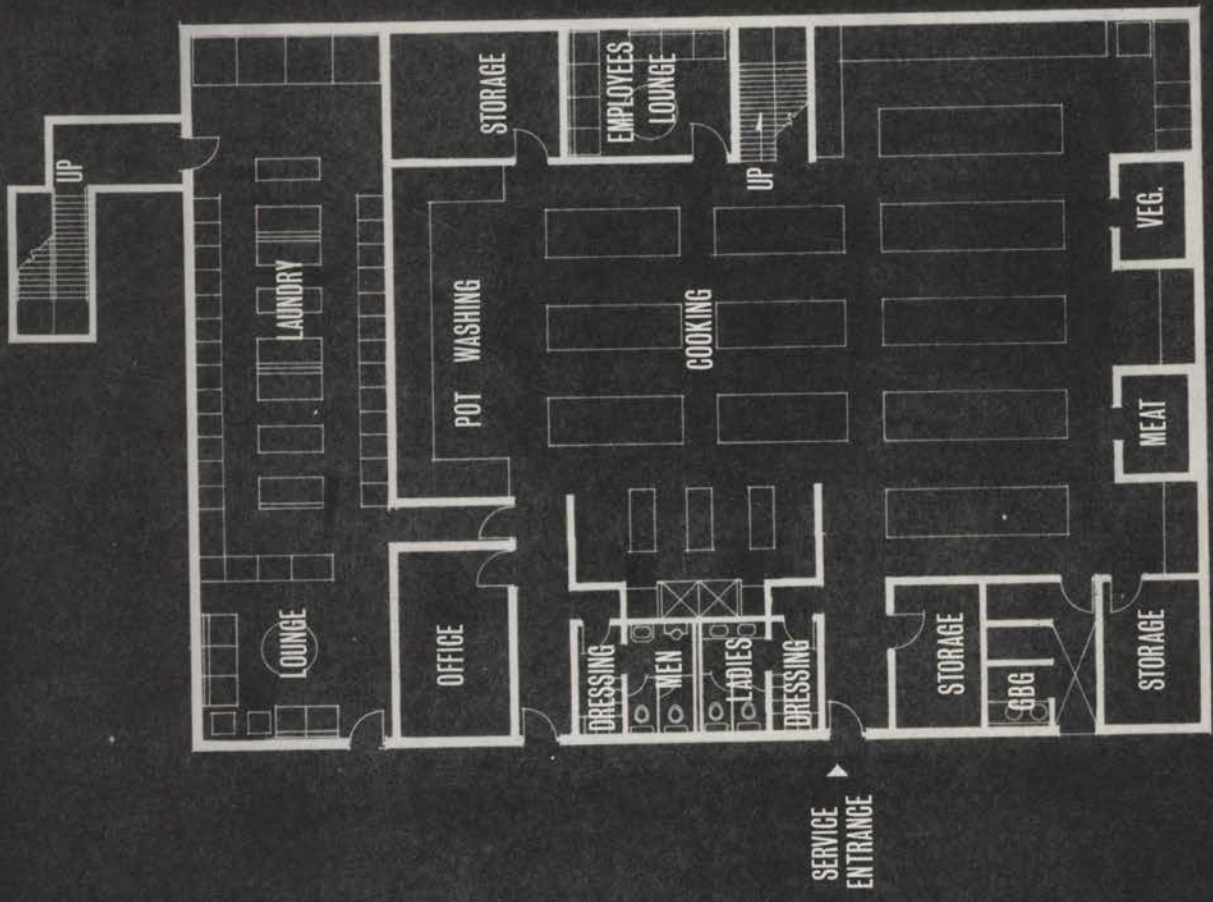






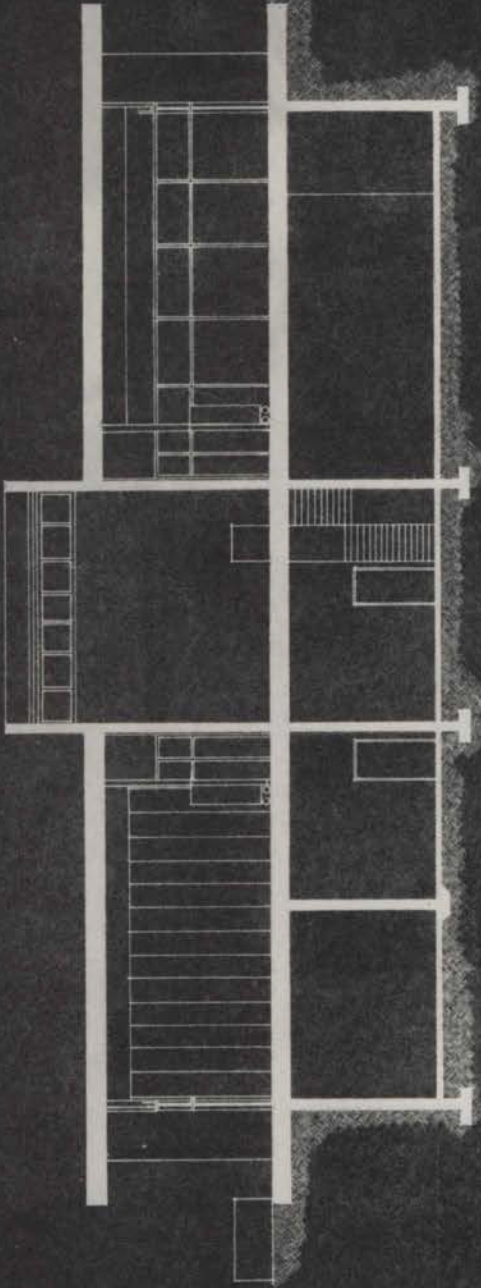
DINING AREA



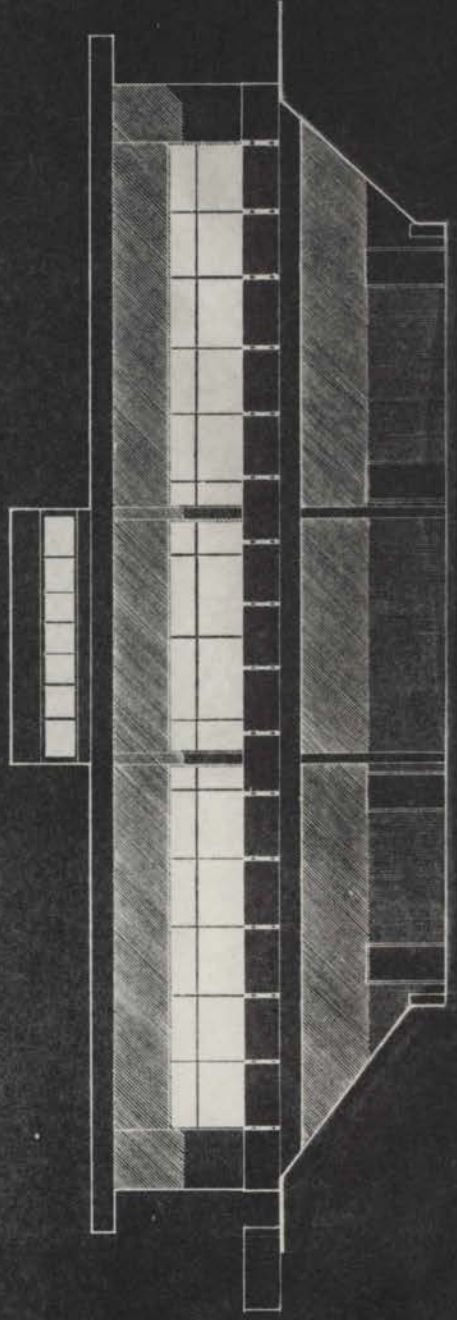


KITCHEN AREA





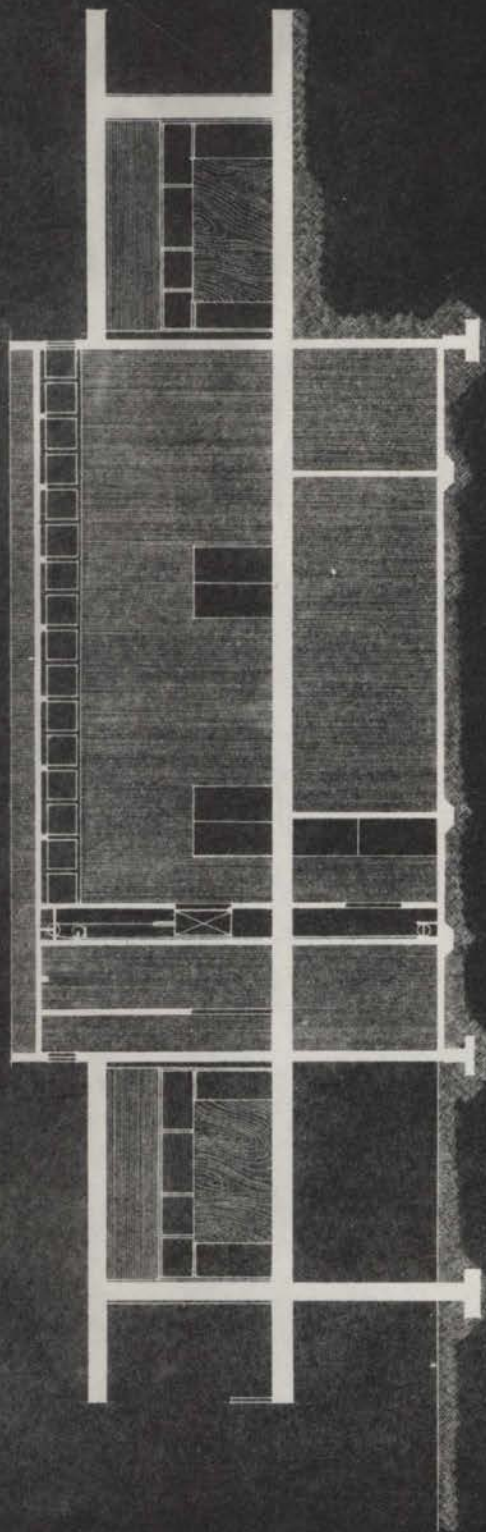
SECTION A -- A  
KITCHEN AND DINING



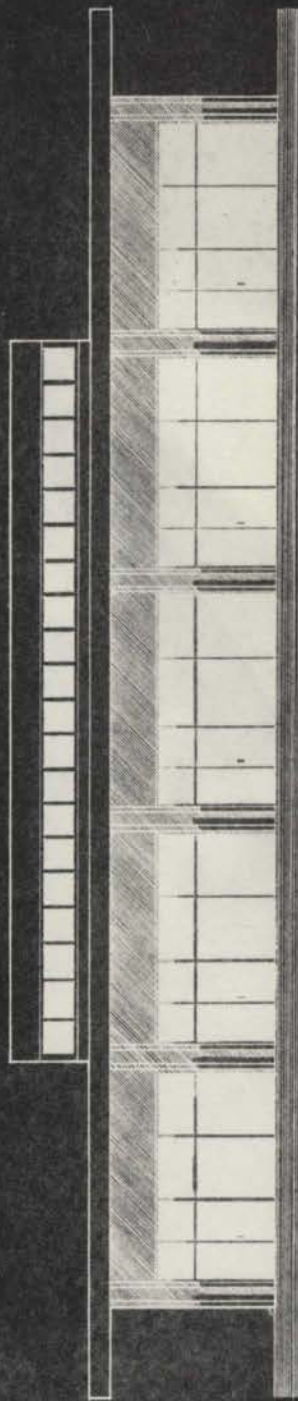
WEST ELEVATION







SECTION B - B



TYPICAL NORTH & SOUTH ELEVATION

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