



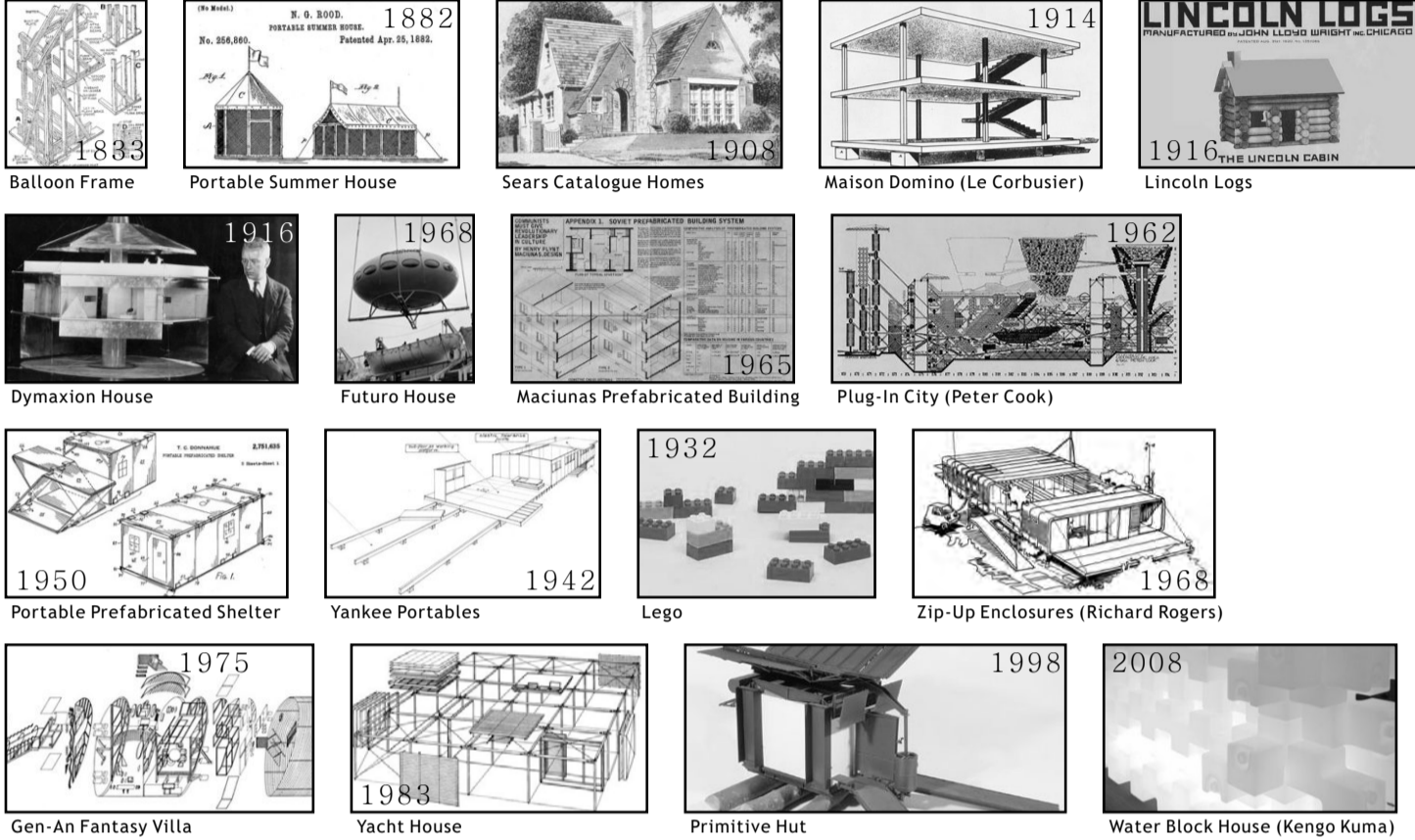
預鑄居住單元

Prefabricated the Modern Dwelling TKU Song-tao Dorms

Designer Instructor
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全坤建設文教基金會2010台灣區建築系所學生競圖

HISTORY



The Timeline begins in the opening decades of the nineteenth century, when factory-produced buildings and building components were integral to the development of the American heartland and to the settling of far-flung colonies by Britain and France.

From there, the Timeline spans almost two hundred years of architectural history, focusing on the European and American avant-gardes of the 1920s and 1930s, movements whose explorations have returned to the forefront in every new dialogue about architecture's relationship with serial production.

In the golden decade after World War II, with its economic prosperity and baby boom and corresponding housing shortage; in the 1960s, with the introduction of new materials; and again in the past decade, as the computer has dramatically changed the conditions of production.

DEFINITIONS

Modules (modular homes)

Modular homes are built in sections at a factory.

Modular homes are built to conform to all state, local or regional building codes at their destinations.

Sections are transported to the building site on truck beds, then joined together by local contractors.

Local building inspectors check to make sure a modular home's structure meets requirements and that all finish work is done properly.

Modular homes are sometimes less expensive per square foot than site built houses.

A well-built modular home should have the same longevity as its site-built counterpart, increasing in value over time.



Nomadism (mobile homes)

Mobile homes are prefabricated homes built in factories, rather than on site, and then taken to the place where they will be occupied.

They are usually transported by tractor-trailers over public roads to sites which are often in rural areas or high-density developments.

In some countries they are used for temporary accommodation on campsites. While these houses are usually placed in one location and left there permanently, they do retain the ability to be moved as this is a requirement in many areas.

Behind the cosmetic work fitted at installation to hide the base, there are strong trailer frames, axles, wheels and tow-hitches.



Transportable sections (manufactured homes)

Manufactured houses are built in a factory.

They conform to a Federal building code, called the HUD code, rather than to building codes at their destinations.

Manufactured homes are built on a non-removable steel chassis. Sections are transported to the building site on their own wheels.

Multi-part manufactured units are joined at their destination. Segments are not always placed on a permanent foundation, making them more difficult to re-finance.

Building inspectors check the work done locally, but are not required to approve the structure.

Manufactured housing is generally less expensive than site built and modular homes. Manufactured homes sometimes decrease in value over time.



Personalization (customized homes)

Customized homes should be able to fit different surroundings with different forms.

It has several prototypes which can derive many other new combinations. These combinations can construct a huge structure.

There are rules and principals for each building, so even with the variety of conditions, there's still a clear boundary to control the whole structure doesn't go out of control.

The customized homes will be easy to dismantle or constructed anytime anywhere, so there will be a flexibility whenever spaces need to be added or abolished.

Economic is not the priority issue, what's important is the sustainability to the users, the environment.



YOU CAN CHOOSE BUT YOU CAN'T CHANGE.



Unité d'Habitation

was designed to house approximately 1600 persons, with 23 different types of units. The basic concept was that of an ocean liner.

The ventilator towers read as smoke stacks on the garden roof. A communal service level exists on the middle floor, so as to make it convenient for the upper levels as well as the lower levels. The whole structure is lifted off the ground on monumental columns, so as to make as minimal contact as possible with the ground plane.



Nakagin Capsule Tower

is actually composed of two interconnected concrete towers, respectively eleven and thirteen floors, which house 140 prefabricated modules (or "capsules") which are each self-contained units.

Each capsule measures 2.3 m × 3.8 m × 2.1 m and functions as a small living or office space. Capsules can be connected and combined to create larger spaces. Each capsule is connected to one of the two main shafts only by four high-tension bolts and is designed to be replaceable.

No units have been replaced since the original construction.



YOU CAN CHANGE BUT YOU CAN'T CHOOSE.

**Lifestyle in the future,
it should be you can choose,
and you can also change.**



Tamkang Architecture Department

[Tamkang University]
is a private Taiwanese university located in Danshuei township, Taipei County.
Founded in 1950 as a junior college of English literature,
the college has expanded into a full university with 11 colleges today.
This university is noted for its scenic campus.



Chueh Sheng Memorial Library



Song-Tao Dorms

TKU SONG-TAO DORMS

Dorm no. 1

It's a six floors building,
can accommodate 676 people.

Four people a room, each floor
has 12 bathrooms and 12 toilets,
every floor has a full-length
mirror for the boarders.

The equipment in each room:
bed, wardrobe, desk, bookcases,
cupboards, table lamps, armchair,
telephone, network node,
cosmetic mirror, dressing screens,
blinds, split air-conditioning.



Dorm no. 2

It's a six floors building, second
to sixth floor are for students
accommodation, which can
accommodate 502 people to stay.

Four people a room, each floor
has 12 bathrooms and 11 toilets,
public areas have large and small
reading desk for boarders to use.
There's a room for ten people for
students with disabilities.

The equipment in each room:
bed, wardrobe, desk, bookcases,
cupboards, table lamps, armchair,
telephone, network node, blinds,
cosmetic mirror, dressing screens,
split air-conditioners.

Desk: Located on the second floor.
Reception room: Located on the
second floor. laundry Department:
Located on the first floor.

Food court: on the first floor,
there are supermarkets,
hairdressing department,
clothing shops, breakfast shop,
buffet restaurant, noodle shops,
juice shops and others.

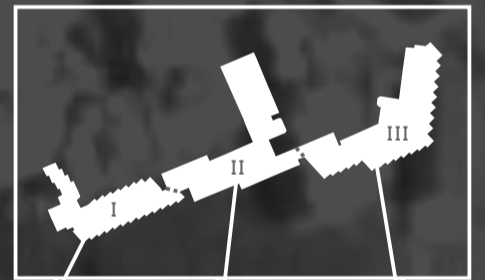


Dorm no. 3

It's a six floors building, it can
accommodate 780 people to stay.

Four people a room, each floor
has 9 bathrooms and 9 toilets,
public areas have small reading
desk for boarders to use.

The equipment in each room:
bed, wardrobe, desk, bookcases,
cupboards, table lamps, armchair,
telephone, network node,
cosmetic mirror, dressing screens,
shutters, split air-conditioning.



Dorm I

bathrooms
toilets
full-length mirror
bed
wardrobe
desk
bookcases
cupboards
table lamps
armchair
telephone
network node
cosmetic mirror
dressing screens
blinds
split air-conditioning

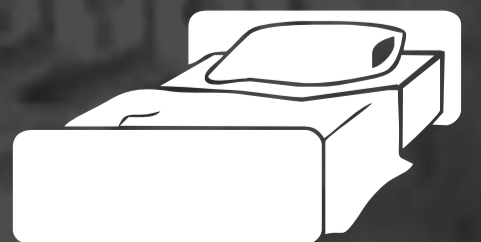
Dorm II

bathrooms
toilets
public areas
reading desk
bed
wardrobe
desk
bookcases
cupboards
table lamps
armchair
telephone
network node
cosmetic mirror
dressing screens
split air-conditioners
Desk
Reception room
laundry department
supermarkets
hairdressing department
clothing shops
breakfast shop
buffet restaurant
noodle shops
juice shops

Dorm III

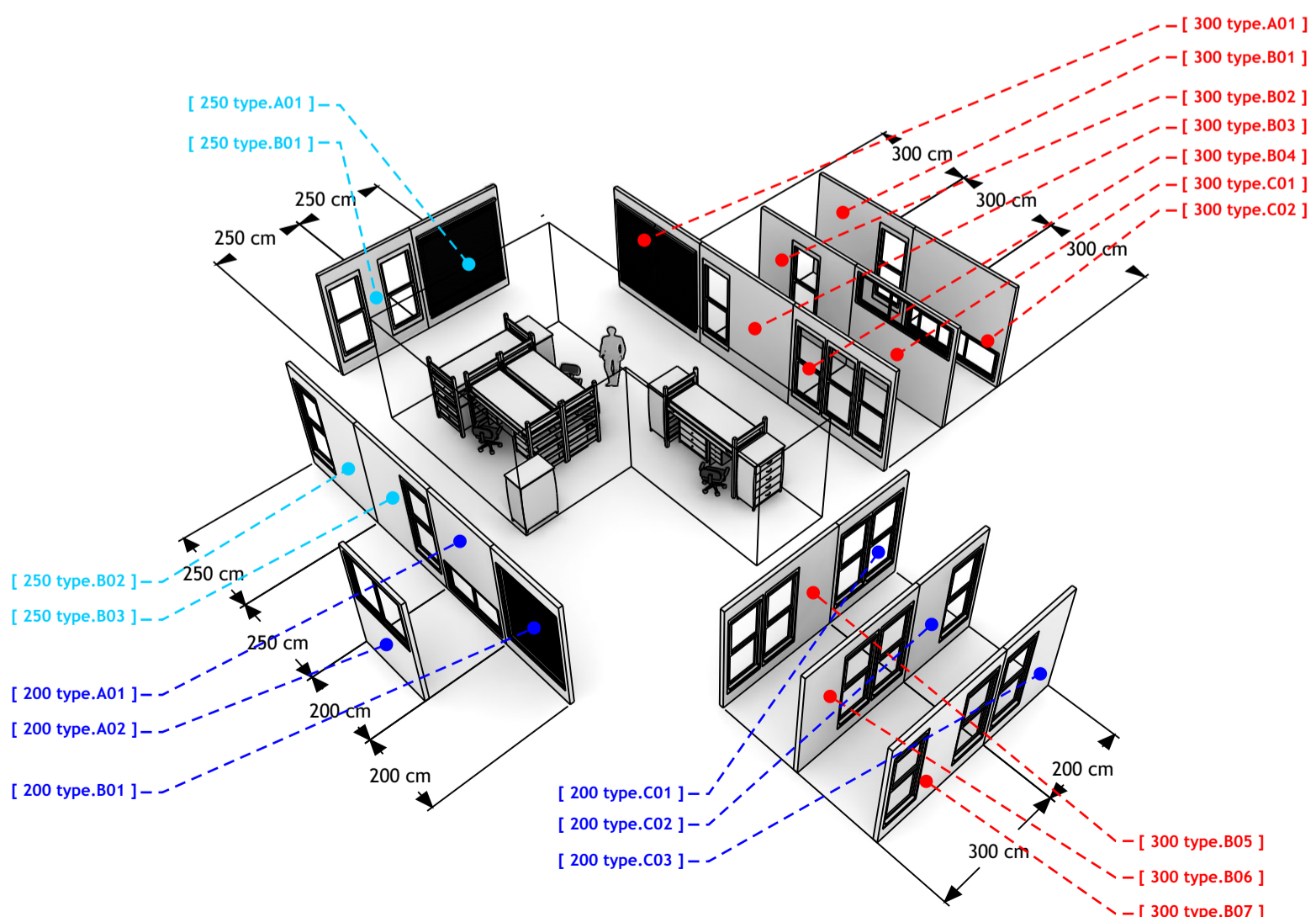
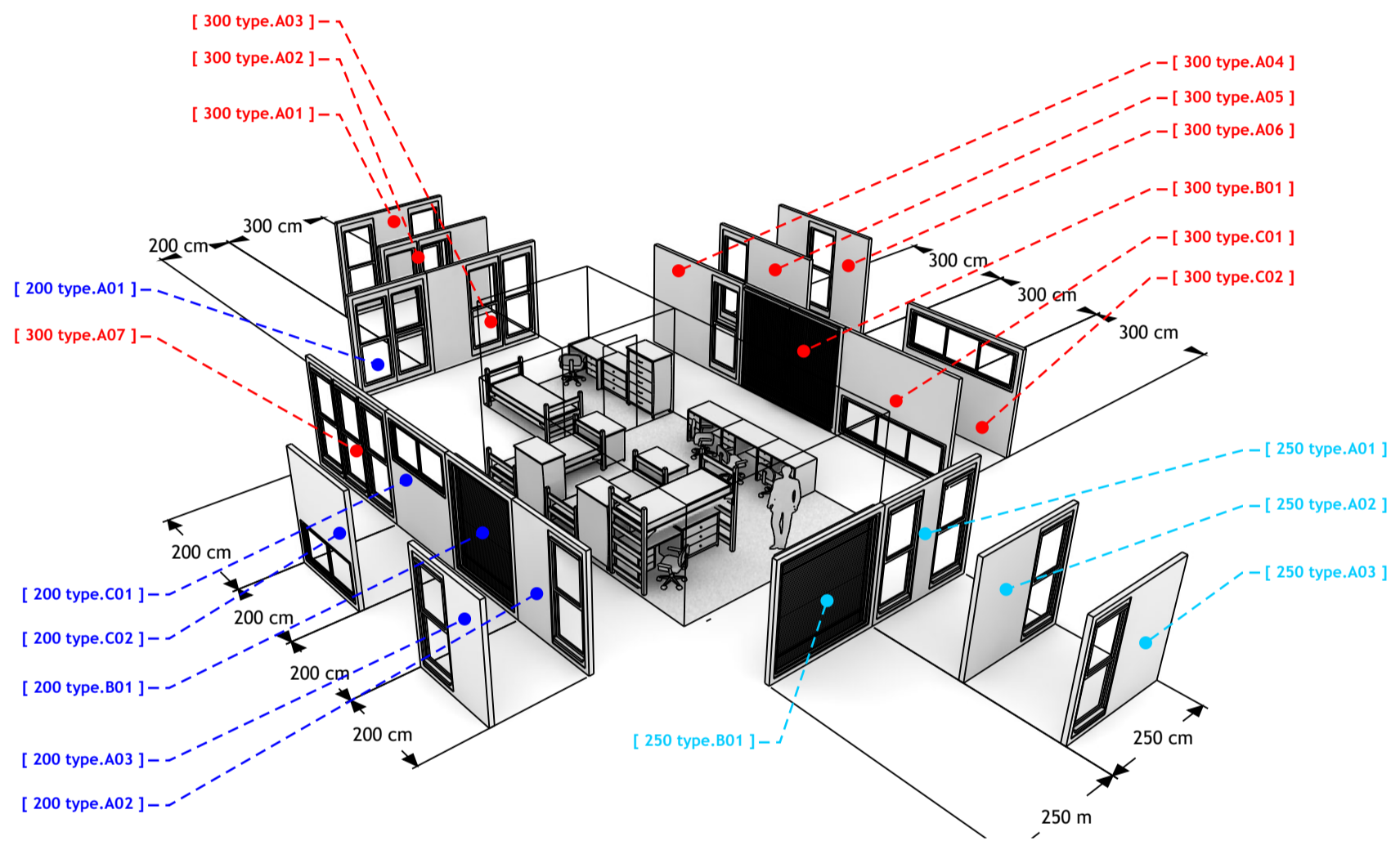
bathrooms
toilets
reading desk
bed
wardrobe
desk
bookcases
cupboards
table lamps
armchair
telephone
network node
cosmetic mirror
dressing screens
shutters
split air-conditioning

TOTAL 1958 BEDS



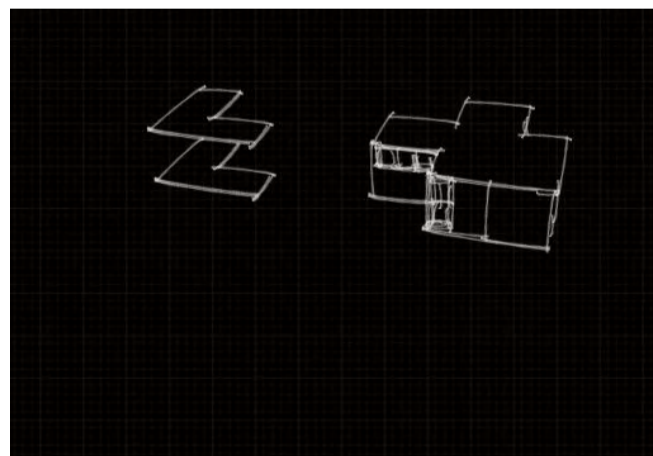
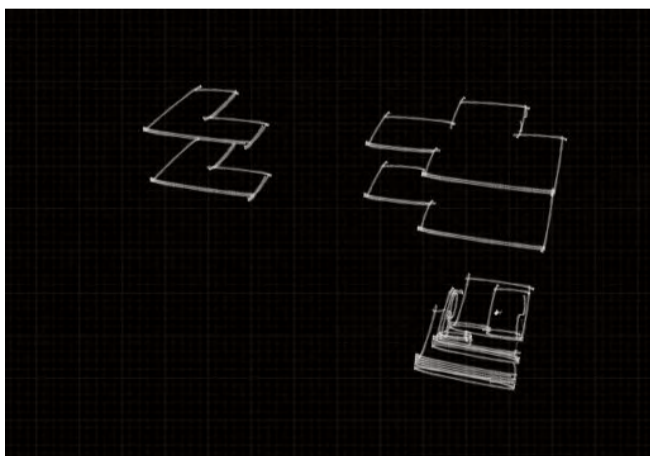
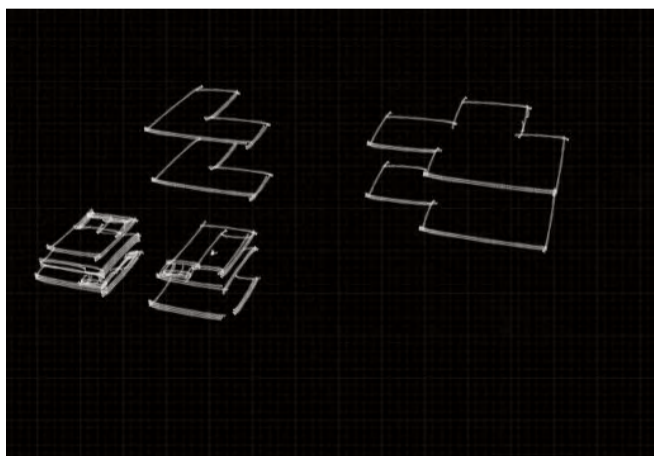
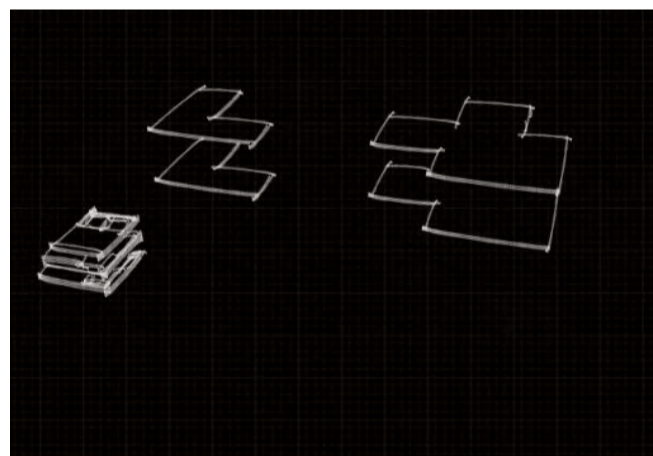
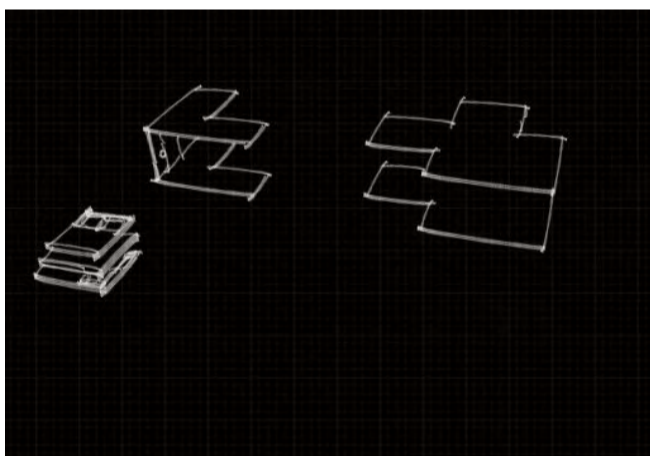
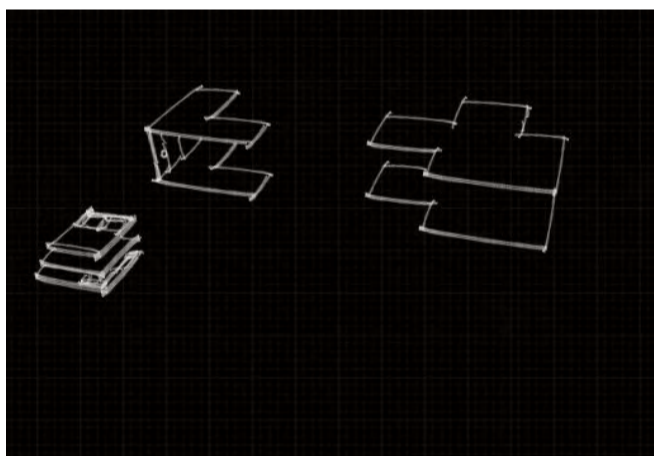
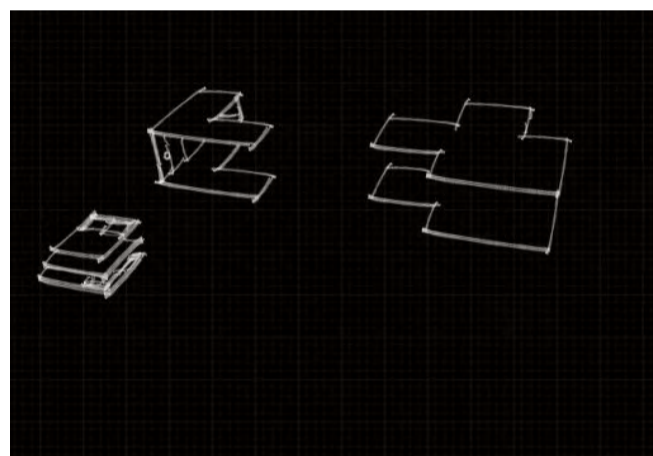
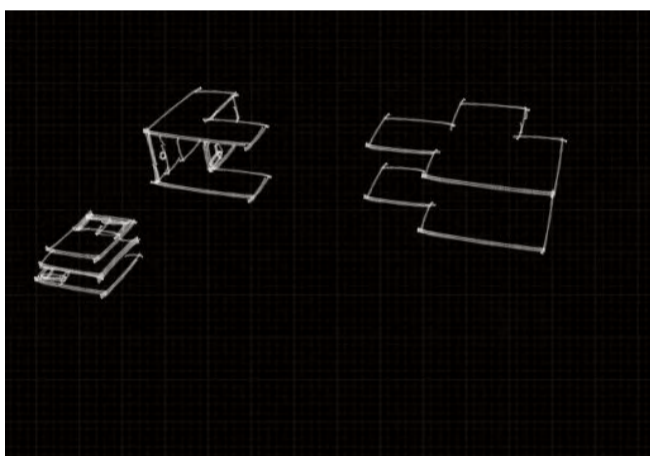
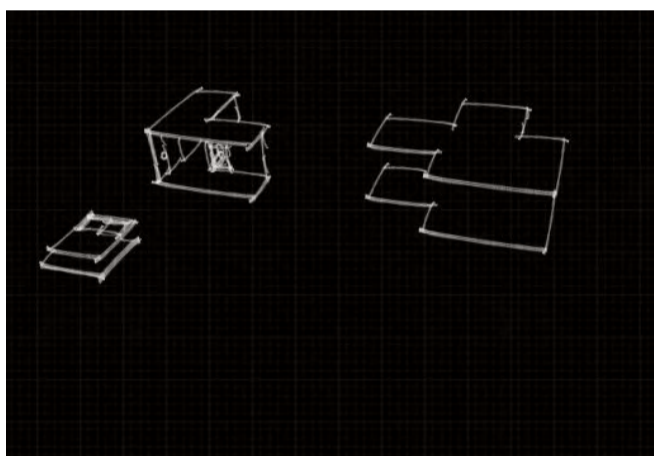
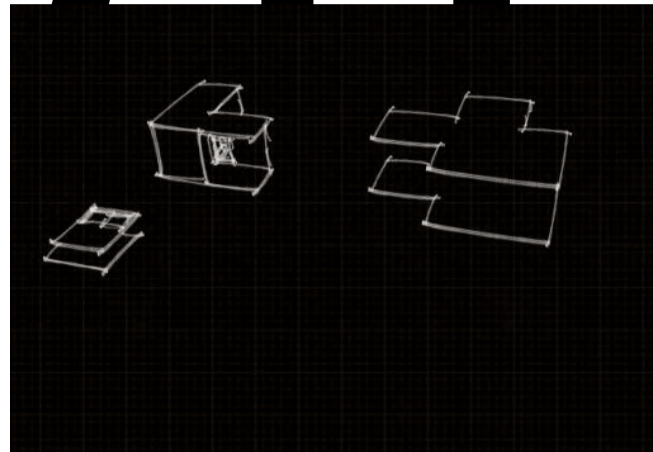
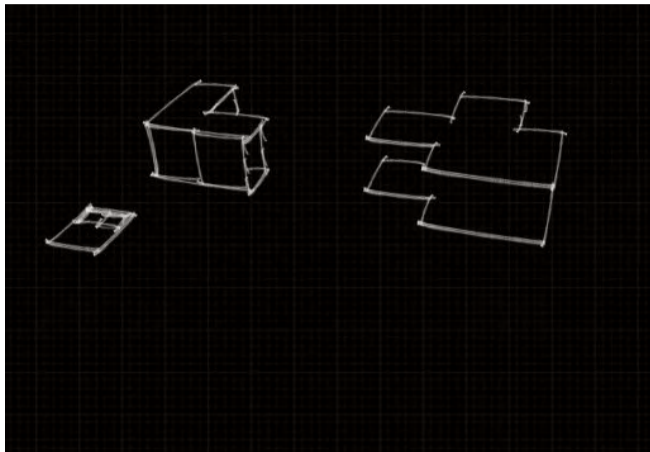
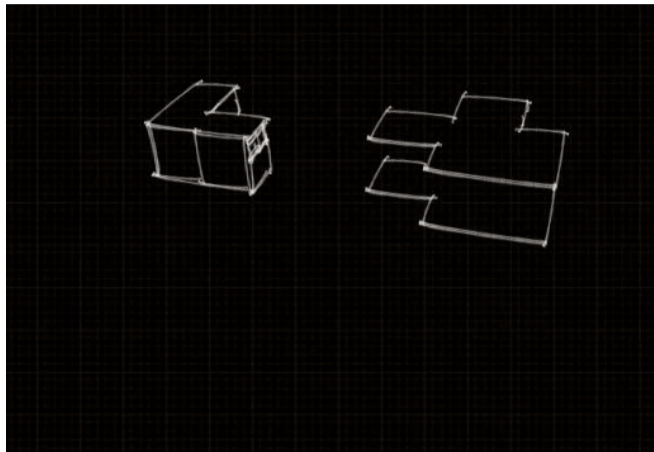
A prefabricated window unit has a rectangular frame whose four elements each consist of two spacially parallel members.

A housing for a sliding shutter is received between the members of the lintel element. The retractor for the operating strap of the shutter is mounted between the two members of one of the jamb elements. A base member and a sill member constitute the fourth frame element.



FROM TYPE A

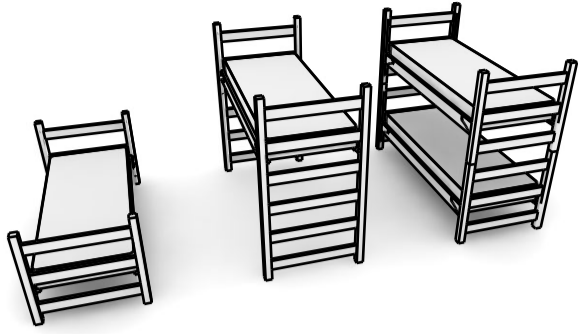
折解



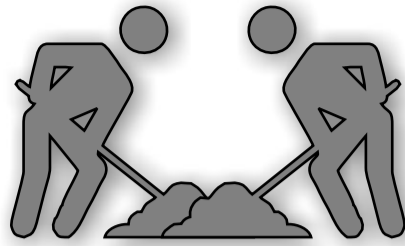
板結構

TO TYPE B

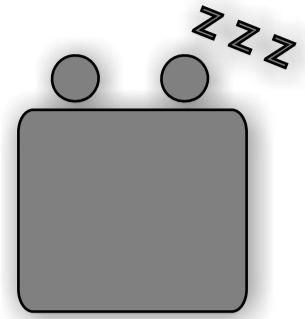
A student can decide three things



Choose your bed type A / B / C



Work together with roommates or not ?



Sleep together with roommates or not ?

Length statistics (cm/sides)

150	2
190	1
200	23
250	11
300	37
350	17
360	6
390	1
400	32
410	2
450	7
500	20
550	15
600	7
650	10
700	5
800	6
900	11

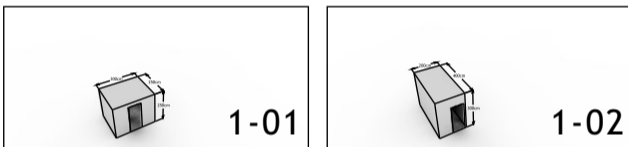
39 living units convert to ...

BASIC LIVING UNITS LENGTH

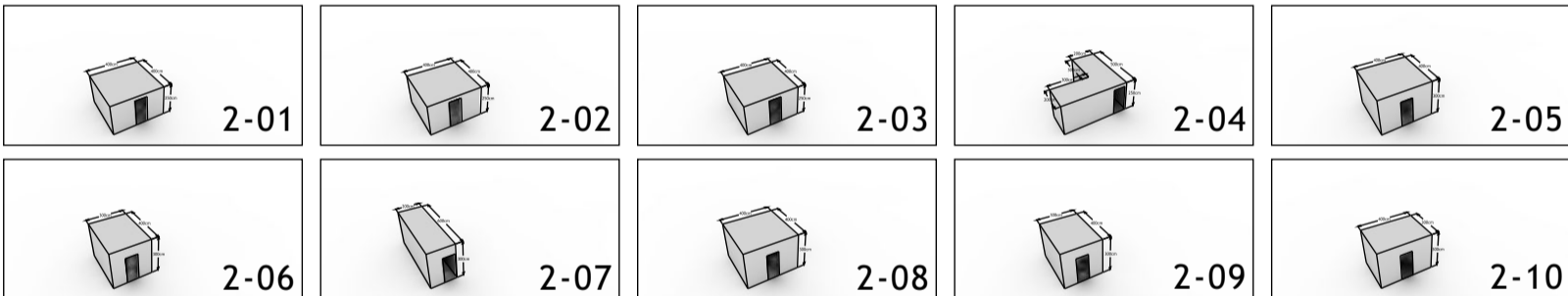
300
600
900
200
400
800
250
500

= 39
PREFABRICATED LIVING UNITS

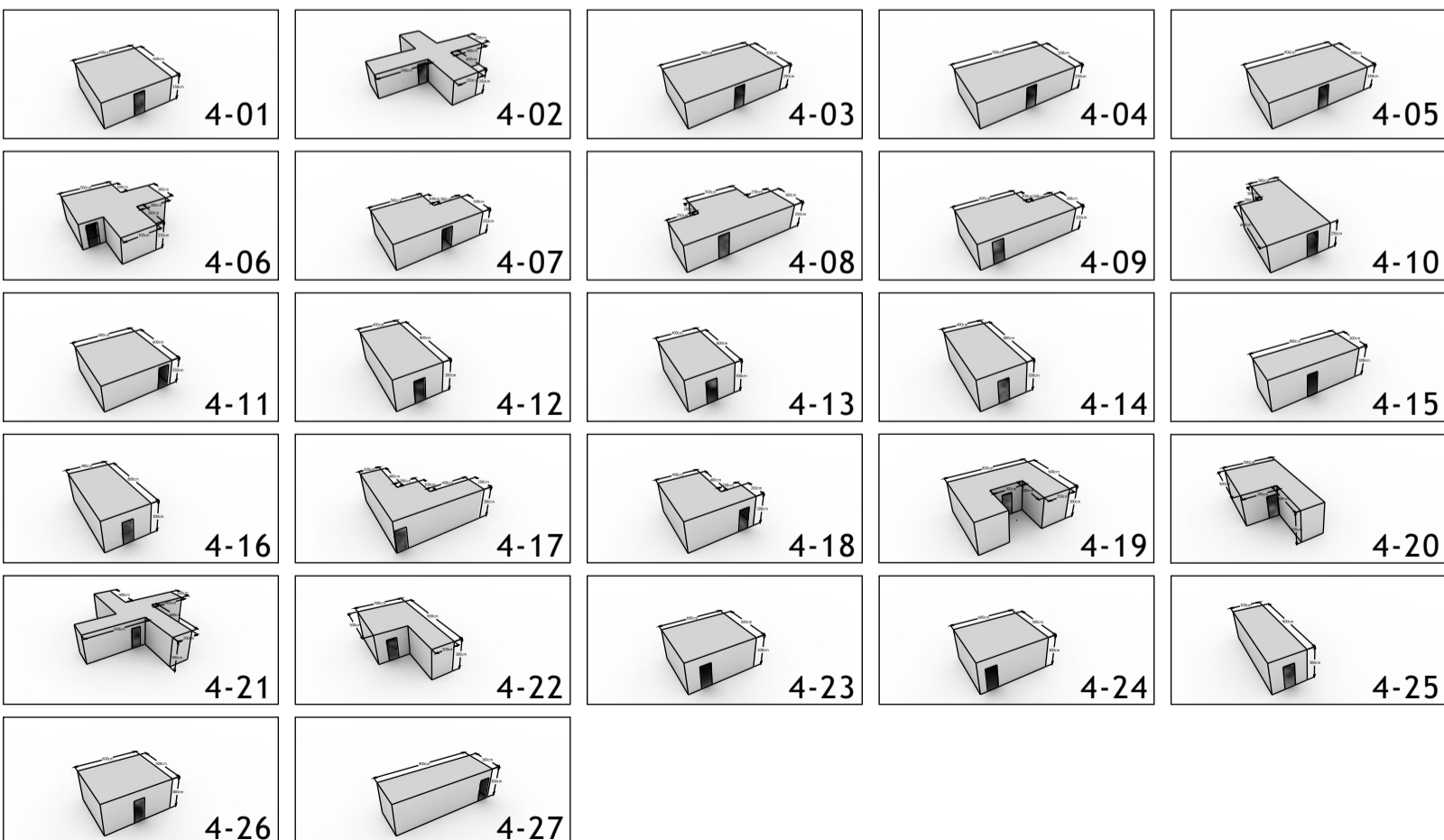
SINGLE



TWIN



QUAD



[Height 250cm]

Type - Fits all	Type - 300x/200x	Type - 200x/250x	Type - 300x/250x	Type - Only 300x	Type - Only 200x
 300x - 2 200x - 2 250x - 2 2-04	 300x - 4 200x - 4 250x - 0 4-01	 300x - 0 200x - 6 250x - 6 4-02	 300x - 2 200x - 0 250x - 2 1-01		 300x - 0 200x - 4 250x - 0 2-01
 300x - 6 200x - 2 250x - 2 4-06	 300x - 4 200x - 4 250x - 0 4-11		 300x - 2 200x - 0 250x - 2 4-03		 300x - 0 200x - 4 250x - 0 2-02
 300x - 2 200x - 2 250x - 2 4-07			 300x - 2 200x - 0 250x - 2 4-04		 300x - 0 200x - 4 250x - 0 2-03
 300x - 2 200x - 3 250x - 4 4-08			 300x - 2 200x - 0 250x - 2 4-05		
 300x - 4 200x - 2 250x - 1 4-09					
 300x - 4 200x - 2 250x - 1 4-10					

[Height 300cm]

Type - Fits all	Type - 300x/200x	Type - 200x/250x	Type - 300x/250x	Type - Only 300x	Type - Only 200x
 300x - 2 200x - 3 250x - 2 4-19	 300x - 2 200x - 2 250x - 0 2-06			 300x - 4 200x - 0 250x - 0 4-25	 300x - 0 200x - 4 250x - 0 1-02
 300x - 2 200x - 2 250x - 2 4-20	 300x - 2 200x - 4 250x - 0 2-07			 300x - 4 200x - 0 250x - 0 4-27	 300x - 0 200x - 4 250x - 0 2-05
 300x - 2 200x - 2 250x - 2 4-22	 300x - 2 200x - 2 250x - 0 2-09			 300x - 0 200x - 2 250x - 0 2-08	
 300x - 2 200x - 2 250x - 2 4-23	 300x - 2 200x - 2 250x - 0 2-10			 300x - 0 200x - 4 250x - 0 4-12	
 300x - 2 200x - 2 250x - 2 4-24	 300x - 2 200x - 4 250x - 0 4-13			 300x - 0 200x - 4 250x - 0 4-14	
 300x - 2 200x - 2 250x - 2 4-26	 300x - 2 200x - 2 250x - 0 4-15			 300x - 0 200x - 4 250x - 0 4-16	
	 300x - 2 200x - 6 250x - 0 4-18		 300x - 0 200x - 8 250x - 0 4-17		
	 300x - 4 200x - 12 250x - 0 4-21				

Follow site feature /

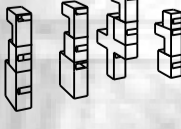
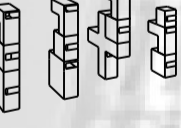
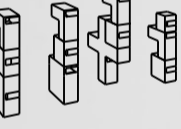
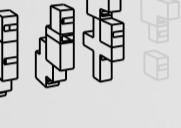
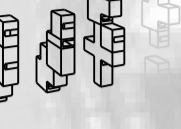
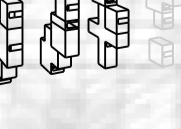
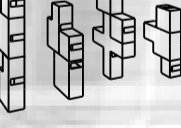
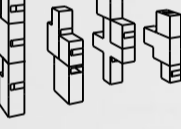
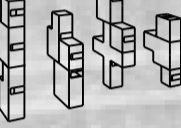
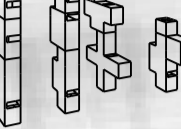
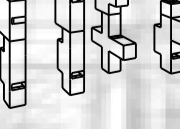
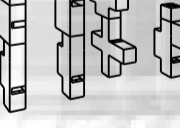
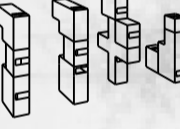
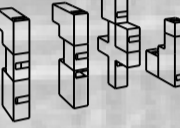
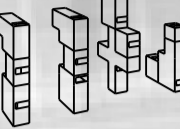
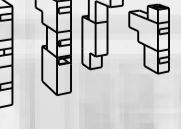
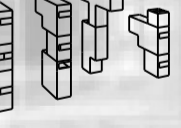
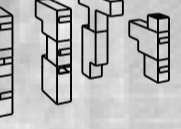

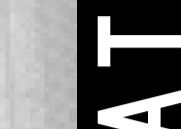
LINEAR

Type - Fits all

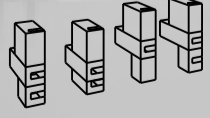
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Type - 200x/250x
Type - 300x/250x

Type - Only 300x
Type - Only 200x

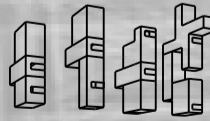
A + B + C

 <p>2-04 + 4-01 + 2-01 2-04 + 4-11 + 2-01 2-04 + 4-02 + 2-01 2-04 + 1-01 + 2-01</p>	 <p>2-04 + 4-01 + 2-02 2-04 + 4-11 + 2-02 2-04 + 4-02 + 2-02 2-04 + 1-01 + 2-02</p>	 <p>2-04 + 4-01 + 2-03 2-04 + 4-11 + 2-03 2-04 + 4-02 + 2-03 2-04 + 1-01 + 2-03</p>	 <p>4-06 + 4-01 + 2-01 4-06 + 4-11 + 2-01 4-06 + 4-02 + 2-01</p> <p><small>Cube 'Lambert'</small></p>	 <p>4-06 + 4-01 + 2-02 4-06 + 4-11 + 2-02 4-06 + 4-02 + 2-02 4-06 + 1-01 + 2-02</p> <p><small>Cube 'Lambert'</small></p>
 <p>4-06 + 4-01 + 2-03 4-06 + 4-11 + 2-03 4-06 + 4-02 + 2-03 4-06 + 1-01 + 2-03</p> <p><small>Cube 'Lambert'</small></p>	 <p>4-07 + 4-01 + 2-01 4-07 + 4-11 + 2-01 4-07 + 4-02 + 2-01 4-07 + 1-01 + 2-01</p>	 <p>4-07 + 4-01 + 2-02 4-07 + 4-11 + 2-02 4-07 + 4-02 + 2-02 4-07 + 1-01 + 2-02</p>	 <p>4-07 + 4-01 + 2-03 4-07 + 4-11 + 2-03 4-07 + 4-02 + 2-03 4-07 + 1-01 + 2-03</p> <p><small>Cube 'Lambert'</small></p>	 <p>4-08 + 4-01 + 2-01 4-08 + 4-11 + 2-01 4-08 + 4-02 + 2-01 4-08 + 1-01 + 2-01</p>
 <p>4-08 + 4-01 + 2-02 4-08 + 4-11 + 2-02 4-08 + 4-02 + 2-02 4-08 + 1-01 + 2-02</p>	 <p>4-08 + 4-01 + 2-03 4-08 + 4-11 + 2-03 4-08 + 4-02 + 2-03 4-08 + 1-01 + 2-03</p>	 <p>4-09 + 4-01 + 2-01 4-09 + 4-11 + 2-01 4-09 + 4-02 + 2-01 4-09 + 1-01 + 2-01</p>	 <p>4-09 + 4-01 + 2-02 4-09 + 4-11 + 2-02 4-09 + 4-02 + 2-02 4-09 + 1-01 + 2-02</p>	 <p>4-09 + 4-01 + 2-03 4-09 + 4-11 + 2-03 4-09 + 4-02 + 2-03 4-09 + 1-01 + 2-03</p>
 <p>4-10 + 4-01 + 2-01 4-10 + 4-11 + 2-01 4-10 + 4-02 + 2-01 4-10 + 1-01 + 2-01</p>	 <p>4-10 + 4-01 + 2-02 4-10 + 4-11 + 2-02 4-10 + 4-02 + 2-02 4-10 + 1-01 + 2-02</p>	 <p>4-10 + 4-01 + 2-03 4-10 + 4-11 + 2-03 4-10 + 4-02 + 2-03 4-10 + 1-01 + 2-03</p>	 <p>4-10 + 4-03 + 2-02 4-10 + 4-04 + 2-02 4-10 + 4-05 + 2-02</p>	 <p>4-10 + 4-03 + 2-01 4-10 + 4-04 + 2-01 4-10 + 4-05 + 2-01</p>

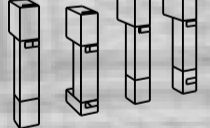
HEIGHT COMBINATIONS 250 CM



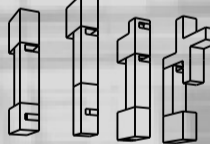
4-24 + 2-06 + 4-25
 4-24 + 2-07 + 4-25
 4-24 + 2-09 + 4-25
 4-24 + 2-10 + 4-25



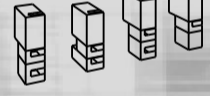
4-24 + 4-13 + 4-25
 4-24 + 4-15 + 4-25
 4-24 + 4-18 + 4-25
 4-24 + 4-21 + 4-25



4-24 + 2-06 + 4-27
 4-24 + 2-07 + 4-27
 4-24 + 2-09 + 4-27
 4-24 + 2-10 + 4-27



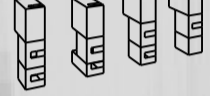
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 4-24 + 4-18 + 4-27
 4-24 + 4-21 + 4-27



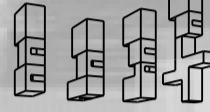
4-24 + 2-06 + 1-02
 4-24 + 2-07 + 1-02
 4-24 + 2-09 + 1-02
 4-24 + 2-10 + 1-02



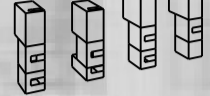
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 4-24 + 4-18 + 1-02
 4-24 + 4-21 + 1-02



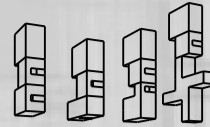
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 4-24 + 2-07 + 2-05
 4-24 + 2-09 + 2-05
 4-24 + 2-10 + 2-05



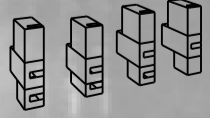
4-24 + 4-13 + 2-05
 4-24 + 4-15 + 2-05
 4-24 + 4-18 + 2-05
 4-24 + 4-21 + 2-05



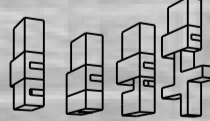
4-24 + 2-06 + 2-08
 4-24 + 2-07 + 2-08
 4-24 + 2-09 + 2-08
 4-24 + 2-10 + 2-08



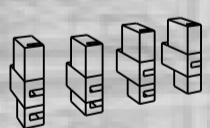
4-24 + 4-13 + 2-08
 4-24 + 4-15 + 2-08
 4-24 + 4-18 + 2-08
 4-24 + 4-21 + 2-08



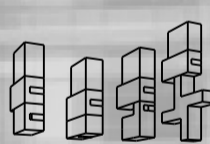
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 4-24 + 2-09 + 4-12
 4-24 + 2-10 + 4-12



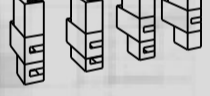
4-24 + 4-13 + 4-12
 4-24 + 4-15 + 4-12
 4-24 + 4-18 + 4-12
 4-24 + 4-21 + 4-12



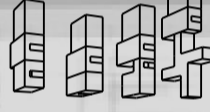
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 4-24 + 2-09 + 4-14
 4-24 + 2-10 + 4-14



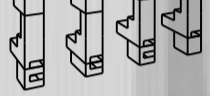
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 4-24 + 4-15 + 4-14
 4-24 + 4-18 + 4-14
 4-24 + 4-21 + 4-14



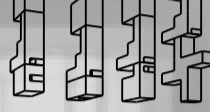
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 4-24 + 2-09 + 4-16
 4-24 + 2-10 + 4-16



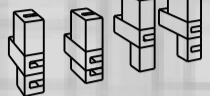
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 4-24 + 4-15 + 4-16
 4-24 + 4-18 + 4-16
 4-24 + 4-21 + 4-16



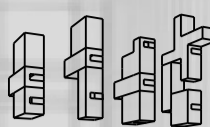
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 4-24 + 2-07 + 4-17
 4-24 + 2-09 + 4-17
 4-24 + 2-10 + 4-17



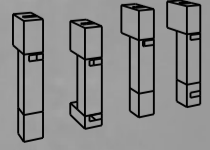
4-24 + 4-13 + 4-17
 4-24 + 4-15 + 4-17
 4-24 + 4-18 + 4-17
 4-24 + 4-21 + 4-17



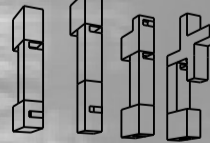
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 4-26 + 2-07 + 4-25
 4-26 + 2-09 + 4-25
 4-26 + 2-10 + 4-25



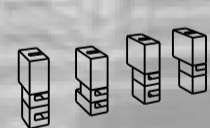
4-26 + 4-13 + 4-25
 4-26 + 4-15 + 4-25
 4-26 + 4-18 + 4-25
 4-26 + 4-21 + 4-25



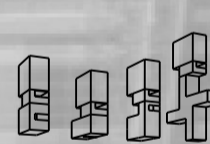
4-26 + 2-06 + 4-27
 4-26 + 2-07 + 4-27
 4-26 + 2-09 + 4-27
 4-26 + 2-10 + 4-27



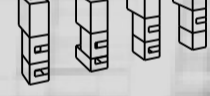
4-26 + 4-13 + 4-27
 4-26 + 4-15 + 4-27
 4-26 + 4-18 + 4-27
 4-26 + 4-21 + 4-27



4-26 + 2-06 + 1-02
 4-26 + 2-07 + 1-02
 4-26 + 2-09 + 1-02
 4-26 + 2-10 + 1-02



4-26 + 4-13 + 1-02
 4-26 + 4-15 + 1-02
 4-26 + 4-18 + 1-02
 4-26 + 4-21 + 1-02



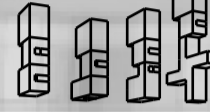
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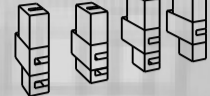
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 4-26 + 4-15 + 2-05
 4-26 + 4-18 + 2-05
 4-26 + 4-21 + 2-05



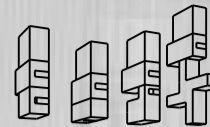
4-26 + 2-06 + 2-08
 4-26 + 2-07 + 2-08
 4-26 + 2-09 + 2-08
 4-26 + 2-10 + 2-08



4-26 + 4-13 + 2-08
 4-26 + 4-15 + 2-08
 4-26 + 4-18 + 2-08
 4-26 + 4-21 + 2-08



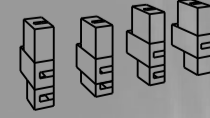
4-26 + 2-06 + 4-12
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 4-26 + 2-09 + 4-12
 4-26 + 2-10 + 4-12



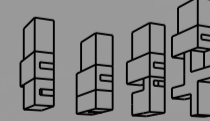
4-26 + 4-13 + 4-12
 4-26 + 4-15 + 4-12
 4-26 + 4-18 + 4-12
 4-26 + 4-21 + 4-12

HEIGHT COMBINATIONS

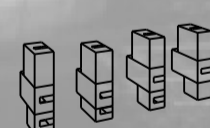
300 CM



4-26 + 2-06 + 4-14
 4-26 + 2-07 + 4-14
 4-26 + 2-09 + 4-14
 4-26 + 2-10 + 4-14



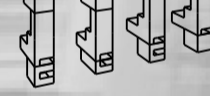
4-26 + 4-13 + 4-14
 4-26 + 4-15 + 4-14
 4-26 + 4-18 + 4-14
 4-26 + 4-21 + 4-14



4-26 + 2-06 + 4-16
 4-26 + 2-07 + 4-16
 4-26 + 2-09 + 4-16
 4-26 + 2-10 + 4-16



4-26 + 4-13 + 4-16
 4-26 + 4-15 + 4-16
 4-26 + 4-18 + 4-16
 4-26 + 4-21 + 4-16



4-26 + 2-06 + 4-17
 4-26 + 2-07 + 4-17
 4-26 + 2-09 + 4-17
 4-26 + 2-10 + 4-17



4-26 + 4-13 + 4-17
 4-26 + 4-15 + 4-17
 4-26 + 4-18 + 4-17
 4-26 + 4-21 + 4-17

School can decide different type of rooms percentage

Single

Twin

Quad

196 students = 196 singles

Roommates
single : twin : quad
0 : 0 : 12
0 : 2 : 8
1 : 0 : 8
0 : 4 : 4
1 : 2 : 4
1 : 4 : 0

If 40% students live in twins.
 $1958 \times 0.4 = 783.2$ (784)

784 students = 382 twins

total 980 + 980 = 1960 students

Roommates
single : twin : quad
0 : 0 : 12
0 : 2 : 8
1 : 0 : 8
0 : 4 : 4
1 : 2 : 4
1 : 4 : 0

If 50% students live in quads.
 $1958 \times 0.5 = 979$ (980)

980 students = 245 quads

total 980 students

EXAMPLE 01

Conclusion

total **823** rooms

total **1960** students

196 singles **24%**

382 twins **46%**

245 quads **30%**

196 students live in singles

784 students live in twins

980 students live in quads

10%

40%

50%

Single

Twin

Quad

If 20% students live in twins.
 $1958 \times 0.2 = 391.6$ (392)

392 students = 196 twins

Roommates
single : twin : quad
0 : 0 : 12
0 : 2 : 8
1 : 0 : 8
0 : 4 : 4
1 : 2 : 4
1 : 4 : 0

392 students = 98 quads

total 784 students

If 6.6% students live in twins.
 $1958 \times 0.066 = 129.228$ (130)

130 students = 130 singles

Roommates
single : twin : quad
0 : 0 : 12
0 : 2 : 8
1 : 0 : 8
0 : 4 : 4
1 : 2 : 4
1 : 4 : 0

1040 students = 260 quads

total 784 + 1170 = 1954 students

Need 5 more students.

1 students = 1 single

Roommates
single : twin : quad
0 : 0 : 12
0 : 2 : 8
1 : 0 : 8
0 : 4 : 4
1 : 2 : 4
1 : 4 : 0

4 students = 2 twins

total 784 + 1170 + 5 = 1959 students

EXAMPLE 02

Conclusion

total **687** rooms

total **1959** students

131 singles **19%**

198 twins **29%**

358 quads **52%**

131 students live in singles

396 students live in twins

1432 students live in quads

7%

20%

73%

Use example 02 as test model, total 12 floors.

- 01/noodle shop
- 02/barber shop
- 03/breakfast shop
- 04/buffet restaurant
- 05/juice shop
- 06/desk
- 07/reception room
- 08/supermarket
- 09/gym
- 10/clothing shop

Room feature sorting chart /

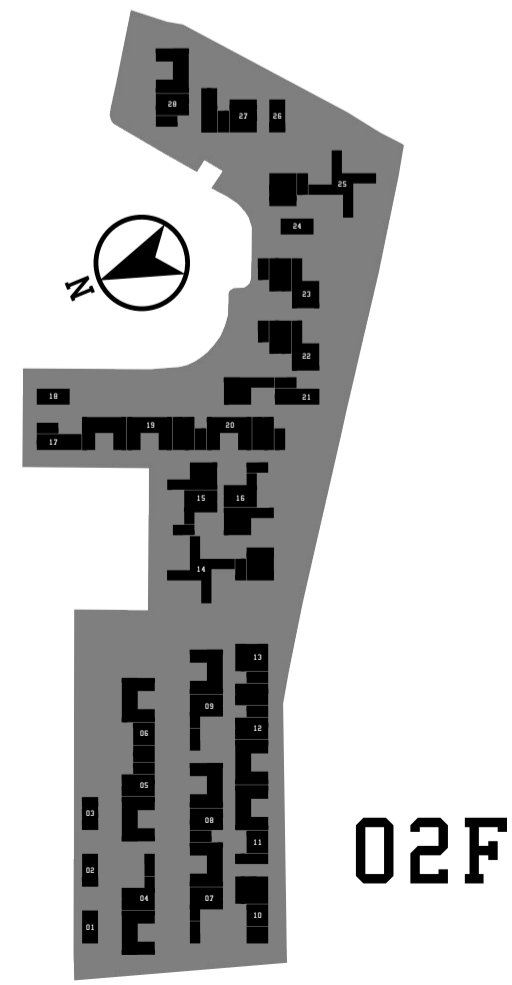
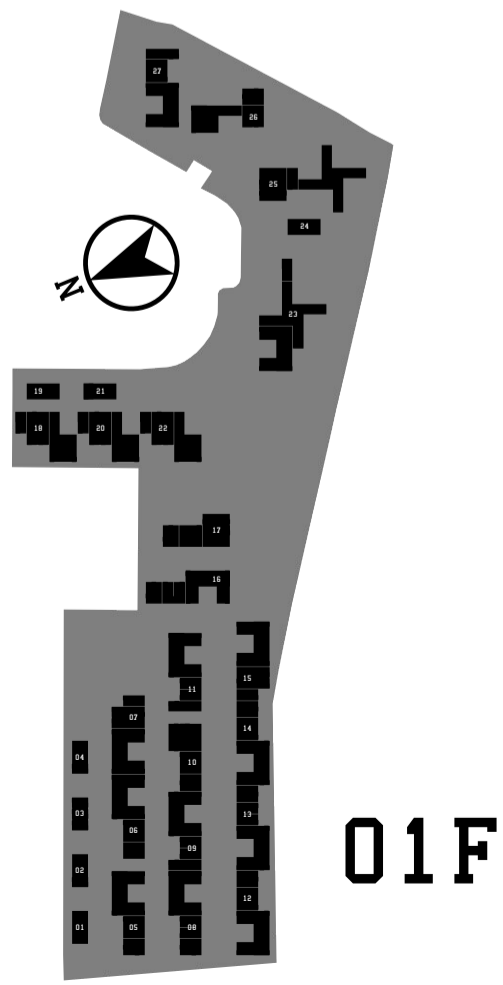
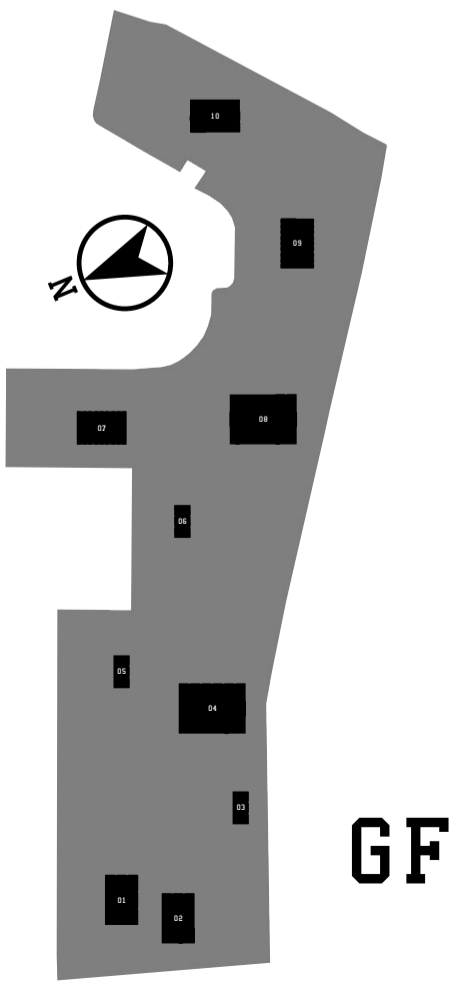
[1-01] Bed types A Work together Sleep together	[4-09] Bed types A Work together 3/1 Sleep together 3/1
[1-02] Bed types B Work together Sleep together	[4-10] Bed types A Work together 3/1 Sleep not together 3/1
[2-01] Bed types A Work together Sleep together	[4-11] Bed types A Work not together 3/1 Sleep together 3/1
[2-02] Bed types A Work together Sleep not together	[4-12] Bed types B Work together Sleep together
[2-03] Bed types A Work not together Sleep together	[4-13] Bed types B Work not together Sleep not together
[2-04] Bed types A Work not together Sleep not together	[4-14] Bed types B Work together 2/2 Sleep together 2/2
[2-05] Bed types B Work together Sleep together	[4-15] Bed types B Work together 2/2 Sleep not together 2/2
[2-06] Bed types B Work together Sleep not together	[4-16] Bed types B Work not together 2/2 Sleep together 2/2
[2-07] Bed types B Work not together Sleep together	[4-17] Bed types B Work together 2/1/1 Sleep together 2/1/1
[2-08] Bed types B Work not together Sleep not together	[4-18] Bed types B Work together 2/1/1 Sleep together 2/1/1
[2-09] Bed types C Work together Sleep not together	[4-19] Bed types B Work not together 2/1/1 Sleep together 2/1/1
[2-10] Bed types C Work not together Sleep not together	[4-20] Bed types B Work together 3/1 Sleep together 3/1
[4-01] Bed types A Work together Sleep together	[4-21] Bed types B Work together 3/1 Sleep not together 3/1
[4-02] Bed types A Work not together Sleep not together	[4-22] Bed types B Work not together 3/1 Sleep together 3/1
[4-03] Bed types A Work together 2/2 Sleep together 2/2	[4-23] Bed types C Work together Sleep not together
[4-04] Bed types A Work not together 2/2 Sleep together 2/2	[4-24] Bed types C Work together 2/2 Sleep not together
[4-05] Bed types A Work together 2/2 Sleep not together 2/2	[4-25] Bed types C Work not together Sleep not together
[4-06] Bed types A Work together 2/1/1 Sleep together 2/1/1	[4-26] Bed types C Work together 2/1/1 Sleep not together
[4-07] Bed types A Work not together 2/1/1 Sleep together 2/1/1	[4-27] Bed types C Work together 3/1 Sleep not together
[4-08] Bed types A Work together 2/1/1 Sleep not together 2/1/1	

01/washroom	
02/shower	
03/laundry	
04/shower	
05/B025	4-19 + 2-06 + 2-05
06/B028	4-19 + 2-10 + 2-05
07/B021	4-19 + 4-13 + 1-02
08/B035	4-19 + 2-09 + 2-08
09/B034	4-19 + 2-07 + 2-08
10/B243	4-23 + 2-09 + 2-05
11/B034	4-19 + 2-07 + 2-08
12/B027	4-19 + 2-09 + 2-05
13/B033	4-19 + 2-06 + 2-08
14/B027	4-19 + 2-09 + 2-05
15/B021	4-19 + 4-13 + 1-02
16/B033	4-19 + 2-06 + 2-08
17/B241	4-23 + 2-06 + 2-05
18/B165	4-22 + 4-13 + 1-02
19/washroom	
20/B165	4-22 + 4-13 + 1-02
21/shower	
22/B165	4-22 + 4-13 + 1-02
23/B024	4-19 + 4-21 + 1-02
24/washroom	
25/B312	4-24 + 4-21 + 1-02
26/B097	4-20 + 2-06 + 2-05
27/B026	4-19 + 2-07 + 2-05

Single :	7 rooms
Twin :	26 rooms
Quad :	27 rooms
Boarders:	167 people

01/washroom	
02/shower	
03/laundry	
04/B023	4-19 + 4-18 + 1-02
05/B021	4-19 + 4-13 + 1-02
06/B025	4-19 + 2-06 + 2-05
07/B023	4-19 + 4-18 + 1-02
08/B021	4-19 + 4-13 + 1-02
09/B023	4-19 + 4-18 + 1-02
10/B244	4-23 + 2-10 + 2-05
11/B026	4-19 + 2-07 + 2-05
12/B021	4-19 + 4-13 + 1-02
13/B381	4-26 + 4-13 + 1-02
14/B384	4-26 + 4-21 + 1-02
15/B167	4-22 + 4-18 + 1-02
16/B167	4-22 + 4-18 + 1-02
17/B022	4-19 + 4-15 + 1-02
18/washroom	
19/B021	4-19 + 4-13 + 1-02
20/B021	4-19 + 4-13 + 1-02
21/B094	4-20 + 4-15 + 1-02
22/B093	4-20 + 4-13 + 1-02
23/B165	4-22 + 4-13 + 1-02
24/washroom	
25/B240	4-23 + 4-21 + 1-02
26/shower	
27/B238	4-23 + 4-15 + 1-02
28/B021	4-19 + 4-13 + 1-02

Single :	19 rooms
Twin :	6 rooms
Quad :	41 rooms
Boarders:	195 people



01/washroom	
02/shower	
03/laundry	
04/shower	
05/B178	4-22 + 2-07 + 2-08
06/B022	4-19 + 4-15 + 1-02
07/B021	4-19 + 4-13 + 1-02
08/B170	4-22 + 2-07 + 2-05
09/B021	4-19 + 4-13 + 1-02
10/B239	4-23 + 4-18 + 1-02
11/B251	4-23 + 2-09 + 2-08
12/B036	4-19 + 2-10 + 2-08
13/B395	4-26 + 2-09 + 2-08
14/B394	4-26 + 2-07 + 2-08
15/B242	4-23 + 2-07 + 2-05
16/B168	4-22 + 4-21 + 1-02
17/B177	4-22 + 2-06 + 2-08
18/shower	
19/B383	4-26 + 4-18 + 1-02
20/washroom	
21/B021	4-19 + 4-13 + 1-02
22/B094	4-20 + 4-15 + 1-02
23/B237	4-23 + 4-13 + 1-02
24/B094	4-20 + 4-15 + 1-02
25/B096	4-20 + 4-21 + 1-02
26/washroom	
27/B095	4-20 + 4-18 + 1-02
28/B093	4-20 + 4-13 + 1-02
29/B250	4-23 + 2-07 + 2-08
30/B166	4-22 + 4-15 + 1-02

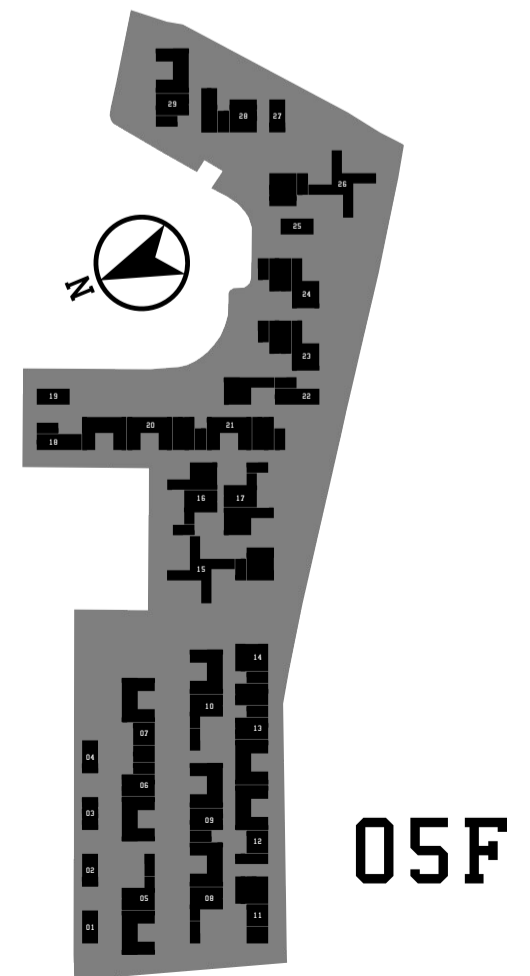
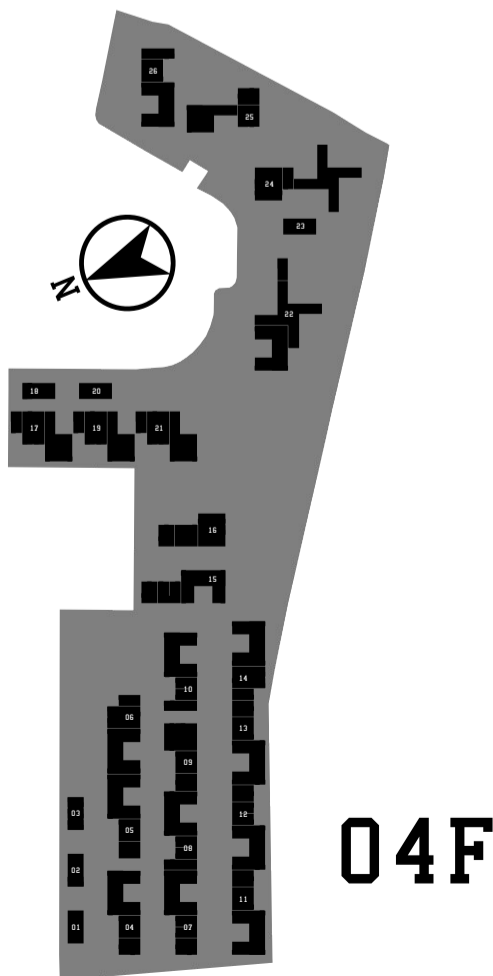
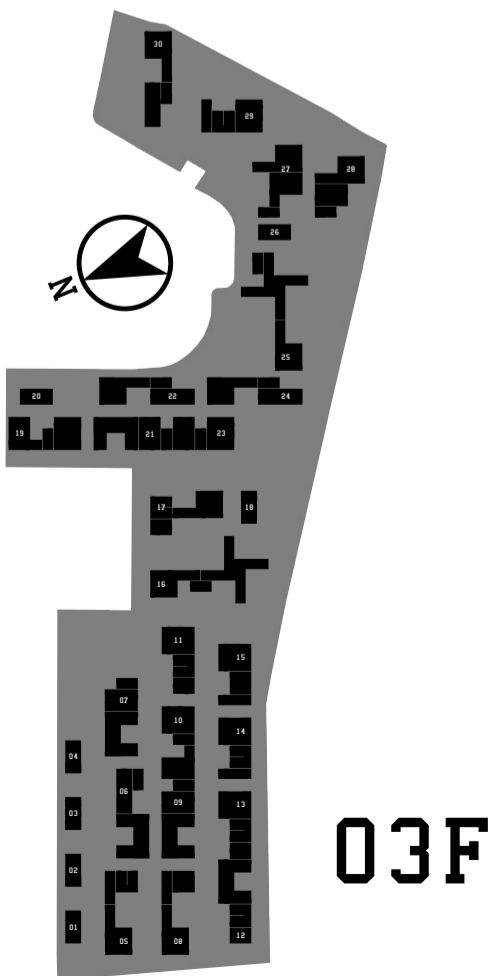
Single :	14 rooms
Twin :	18 rooms
Quad :	37 rooms
Boarders:	198 people

01/washroom	
02/shower	
03/laundry	
04/B025	4-19 + 2-06 + 2-05
05/B028	4-19 + 2-10 + 2-05
06/B021	4-19 + 4-13 + 1-02
07/B035	4-19 + 2-09 + 2-08
08/B034	4-19 + 2-07 + 2-08
09/B243	4-23 + 2-09 + 2-05
10/B034	4-19 + 2-07 + 2-08
11/B027	4-19 + 2-09 + 2-05
12/B033	4-19 + 2-06 + 2-08
13/B027	4-19 + 2-09 + 2-05
14/B021	4-19 + 4-13 + 1-02
15/B033	4-19 + 2-06 + 2-08
16/B241	4-23 + 2-06 + 2-05
17/B165	4-22 + 4-13 + 1-02
18/shower	
19/B165	4-22 + 4-13 + 1-02
20/washroom	
21/B165	4-22 + 4-13 + 1-02
22/B024	4-19 + 4-21 + 1-02
23/washroom	
24/B312	4-24 + 4-21 + 1-02
25/B097	4-20 + 2-06 + 2-05
26/B026	4-19 + 2-07 + 2-05

Single :	7 rooms
Twin :	26 rooms
Quad :	27 rooms
Boarders:	167 people

01/washroom	
02/shower	
03/laundry	
04/shower	
05/B023	4-19 + 4-18 + 1-02
06/B021	4-19 + 4-13 + 1-02
07/B025	4-19 + 2-06 + 2-05
08/B023	4-19 + 4-18 + 1-02
09/B021	4-19 + 4-13 + 1-02
10/B023	4-19 + 4-18 + 1-02
11/B244	4-23 + 2-10 + 2-05
12/B026	4-19 + 2-07 + 2-05
13/B021	4-19 + 4-13 + 1-02
14/B381	4-26 + 4-13 + 1-02
15/B384	4-26 + 4-21 + 1-02
16/B167	4-22 + 4-18 + 1-02
17/B167	4-22 + 4-18 + 1-02
18/B022	4-19 + 4-15 + 1-02
19/washroom	
20/B021	4-19 + 4-13 + 1-02
21/B021	4-19 + 4-13 + 1-02
22/B094	4-20 + 4-15 + 1-02
23/B093	4-20 + 4-13 + 1-02
24/B165	4-22 + 4-13 + 1-02
25/washroom	
26/B240	4-23 + 4-21 + 1-02
27/shower	
28/B238	4-23 + 4-15 + 1-02
29/B021	4-19 + 4-13 + 1-02

Single :	19 rooms
Twin :	6 rooms
Quad :	41 rooms
Boarders:	195 people



01/washroom	
02/shower	
03/laundry	
04/shower	
05/B178	4-22 + 2-07 + 2-08
06/B022	4-19 + 4-15 + 1-02
07/B021	4-19 + 4-13 + 1-02
08/B170	4-22 + 2-07 + 2-05
09/B021	4-19 + 4-13 + 1-02
10/B239	4-23 + 4-18 + 1-02
11/B251	4-23 + 2-09 + 2-08
12/B036	4-19 + 2-10 + 2-08
13/B395	4-26 + 2-09 + 2-08
14/B394	4-26 + 2-07 + 2-08
15/B242	4-23 + 2-07 + 2-05
16/B168	4-22 + 4-21 + 1-02
17/B177	4-22 + 2-06 + 2-08
18/B383	4-26 + 4-18 + 1-02
19/washroom	
20/B021	4-19 + 4-13 + 1-02
21/B094	4-20 + 4-15 + 1-02
22/B237	4-23 + 4-13 + 1-02
23/B094	4-20 + 4-15 + 1-02
24/B096	4-20 + 4-21 + 1-02
25/washroom	
26/B095	4-20 + 4-18 + 1-02
27/B093	4-20 + 4-13 + 1-02
28/B250	4-23 + 2-07 + 2-08
29/B166	4-22 + 4-15 + 1-02

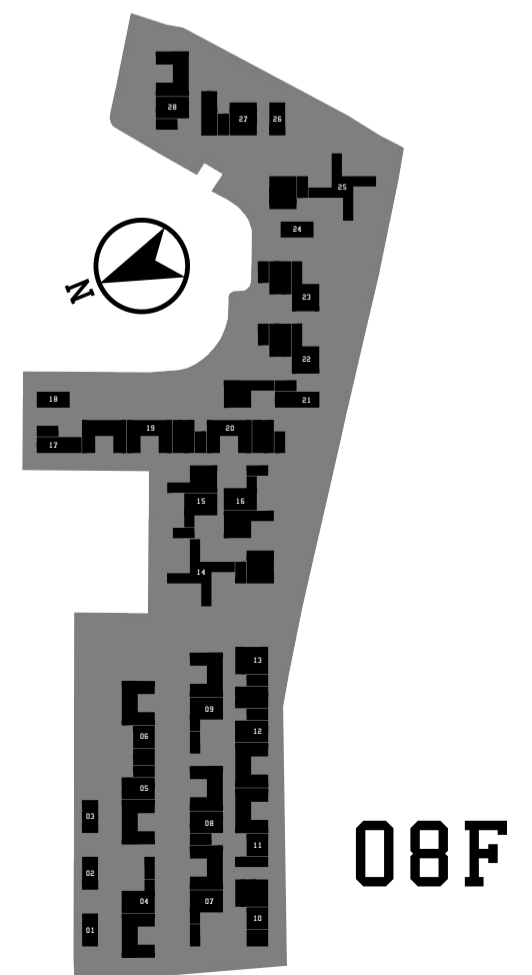
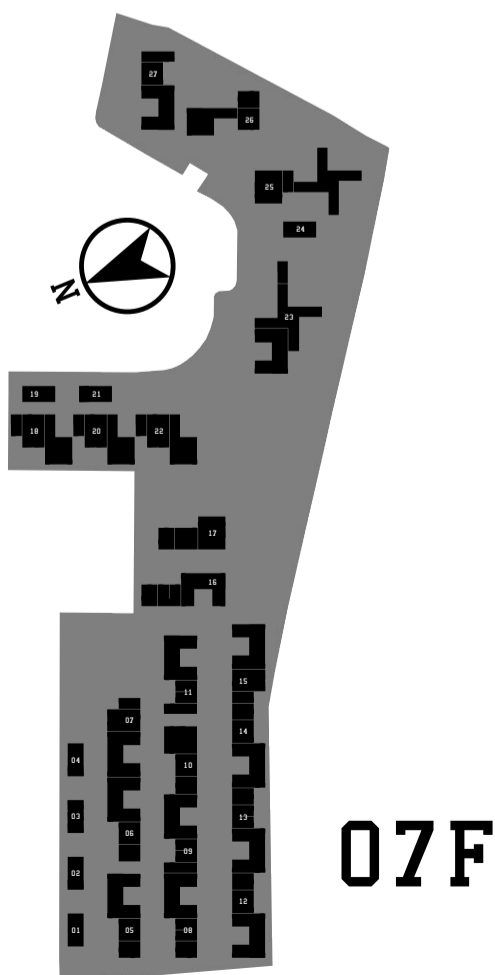
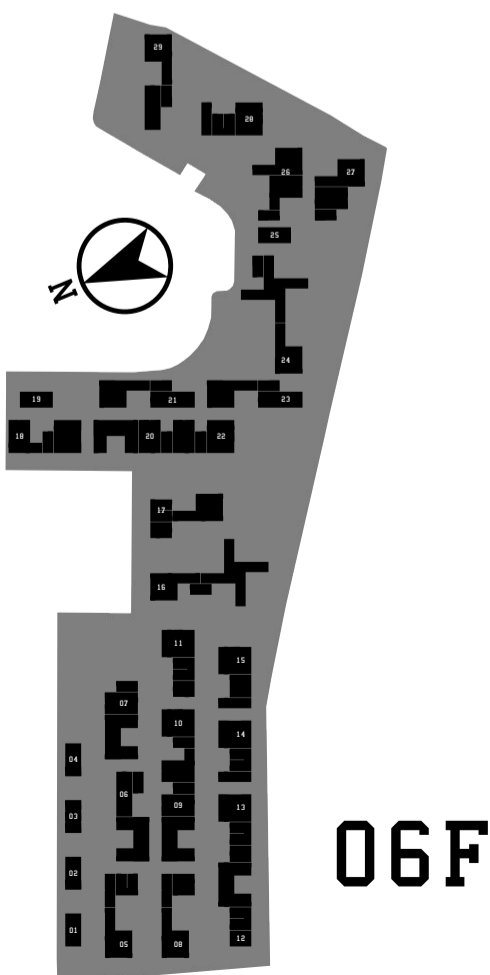
Single :	14 rooms
Twin :	18 rooms
Quad :	37 rooms
Boarders:	198 people

01/washroom	
02/shower	
03/laundry	
04/shower	
05/B025	4-19 + 2-06 + 2-05
06/B028	4-19 + 2-10 + 2-05
07/B021	4-19 + 4-13 + 1-02
08/B035	4-19 + 2-09 + 2-08
09/B034	4-19 + 2-07 + 2-08
10/B243	4-23 + 2-09 + 2-05
11/B034	4-19 + 2-07 + 2-08
12/B027	4-19 + 2-09 + 2-05
13/B033	4-19 + 2-06 + 2-08
14/B027	4-19 + 2-09 + 2-05
15/B021	4-19 + 4-13 + 1-02
16/B033	4-19 + 2-06 + 2-08
17/B241	4-23 + 2-06 + 2-05
18/B165	4-22 + 4-13 + 1-02
19/washroom	
20/B165	4-22 + 4-13 + 1-02
21/shower	
22/B165	4-22 + 4-13 + 1-02
23/B024	4-19 + 4-21 + 1-02
24/washroom	
25/B312	4-24 + 4-21 + 1-02
26/B097	4-20 + 2-06 + 2-05
27/B026	4-19 + 2-07 + 2-05

Single :	7 rooms
Twin :	26 rooms
Quad :	27 rooms
Boarders:	167 people

01/washroom	
02/shower	
03/laundry	
04/B023	4-19 + 4-18 + 1-02
05/B021	4-19 + 4-13 + 1-02
06/B025	4-19 + 2-06 + 2-05
07/B023	4-19 + 4-18 + 1-02
08/B021	4-19 + 4-13 + 1-02
09/B023	4-19 + 4-18 + 1-02
10/B244	4-23 + 2-10 + 2-05
11/B026	4-19 + 2-07 + 2-05
12/B021	4-19 + 4-13 + 1-02
13/B381	4-26 + 4-13 + 1-02
14/B384	4-26 + 4-21 + 1-02
15/B167	4-22 + 4-18 + 1-02
16/B167	4-22 + 4-18 + 1-02
17/B022	4-19 + 4-15 + 1-02
18/washroom	
19/B021	4-19 + 4-13 + 1-02
20/B021	4-19 + 4-13 + 1-02
21/B094	4-20 + 4-15 + 1-02
22/B093	4-20 + 4-13 + 1-02
23/B165	4-22 + 4-13 + 1-02
24/washroom	
25/B240	4-23 + 4-21 + 1-02
26/shower	
27/B238	4-23 + 4-15 + 1-02
28/B021	4-19 + 4-13 + 1-02

Single :	19 rooms
Twin :	6 rooms
Quad :	41 rooms
Boarders:	195 people



01/washroom	
02/shower	
03/laundry	
04/shower	
05/B178	4-22 + 2-07 + 2-08
06/B022	4-19 + 4-15 + 1-02
07/B021	4-19 + 4-13 + 1-02
08/B170	4-22 + 2-07 + 2-05
09/B021	4-19 + 4-13 + 1-02
10/B239	4-23 + 4-18 + 1-02
11/B251	4-23 + 2-09 + 2-08
12/B036	4-19 + 2-10 + 2-08
13/B395	4-26 + 2-09 + 2-08
14/B394	4-26 + 2-07 + 2-08
15/B242	4-23 + 2-07 + 2-05
16/B168	4-22 + 4-21 + 1-02
17/B177	4-22 + 2-06 + 2-08
18/shower	
19/B383	4-26 + 4-18 + 1-02
20/washroom	
21/B021	4-19 + 4-13 + 1-02
22/B094	4-20 + 4-15 + 1-02
23/B237	4-23 + 4-13 + 1-02
24/B094	4-20 + 4-15 + 1-02
25/B096	4-20 + 4-21 + 1-02
26/washroom	
27/B095	4-20 + 4-18 + 1-02
28/B093	4-20 + 4-13 + 1-02
29/B250	4-23 + 2-07 + 2-08
30/B166	4-22 + 4-15 + 1-02

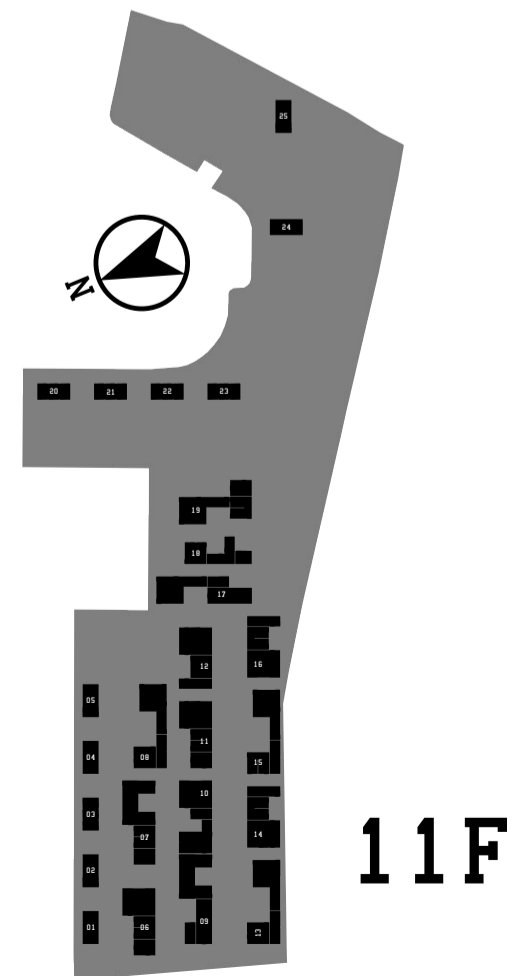
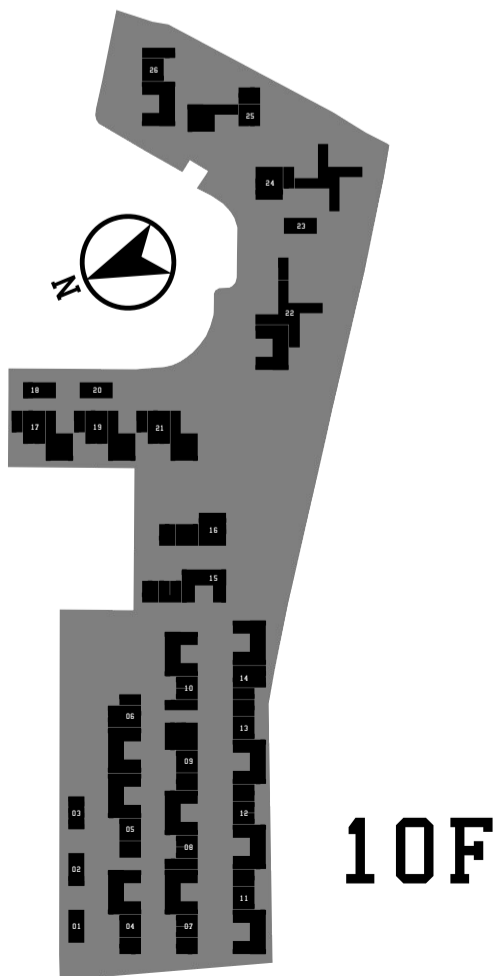
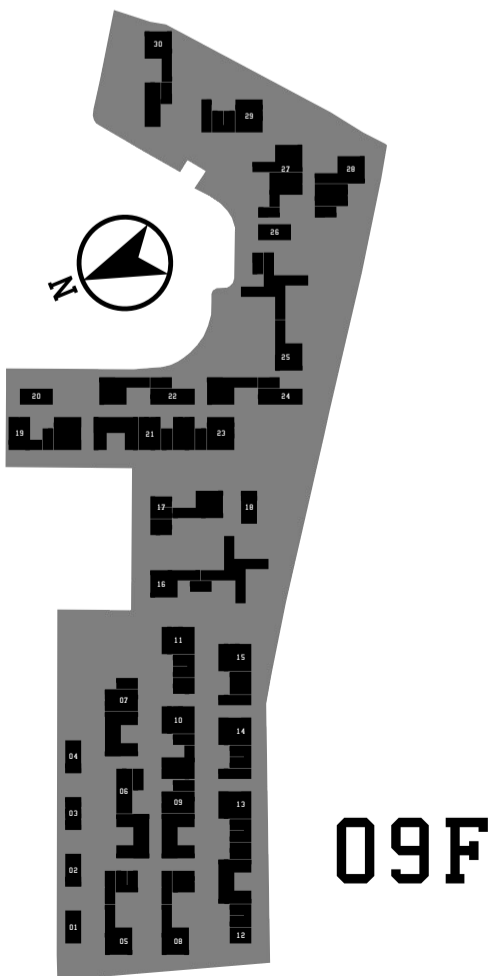
Single :	14 rooms
Twin :	18 rooms
Quad :	37 rooms
Boarders:	198 people

01/washroom	
02/shower	
03/laundry	
04/B025	4-19 + 2-06 + 2-05
05/B028	4-19 + 2-10 + 2-05
06/B021	4-19 + 4-13 + 1-02
07/B035	4-19 + 2-09 + 2-08
08/B034	4-19 + 2-07 + 2-08
09/B243	4-23 + 2-09 + 2-05
10/B034	4-19 + 2-07 + 2-08
11/B027	4-19 + 2-09 + 2-05
12/B033	4-19 + 2-06 + 2-08
13/B027	4-19 + 2-09 + 2-05
14/B021	4-19 + 4-13 + 1-02
15/B033	4-19 + 2-06 + 2-08
16/B241	4-23 + 2-06 + 2-05
17/B165	4-22 + 4-13 + 1-02
18/shower	
19/B165	4-22 + 4-13 + 1-02
20/washroom	
21/B165	4-22 + 4-13 + 1-02
22/B024	4-19 + 4-21 + 1-02
23/washroom	
24/B312	4-24 + 4-21 + 1-02
25/B097	4-20 + 2-06 + 2-05
26/B026	4-19 + 2-07 + 2-05

Single :	7 rooms
Twin :	26 rooms
Quad :	27 rooms
Boarders:	167 people

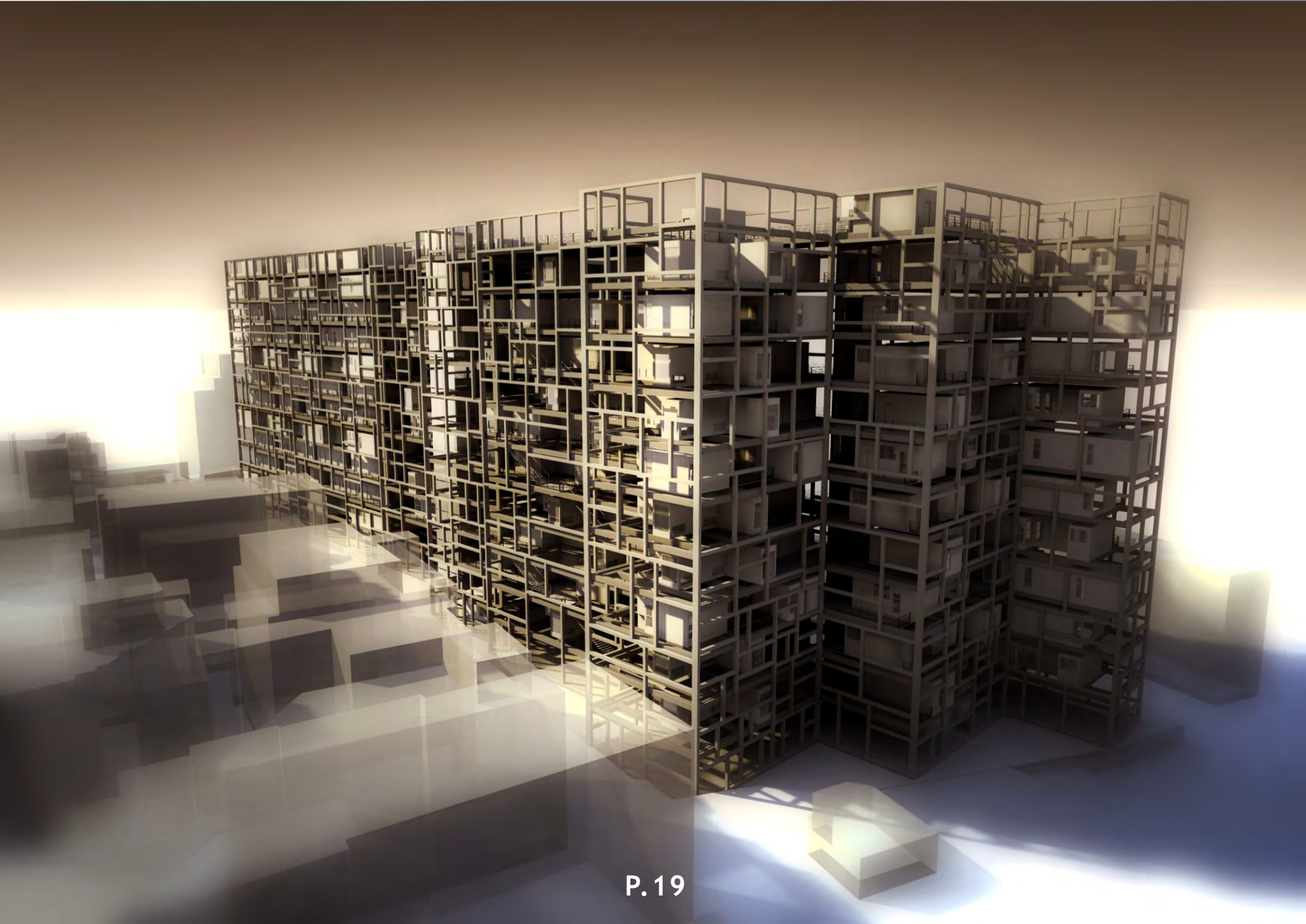
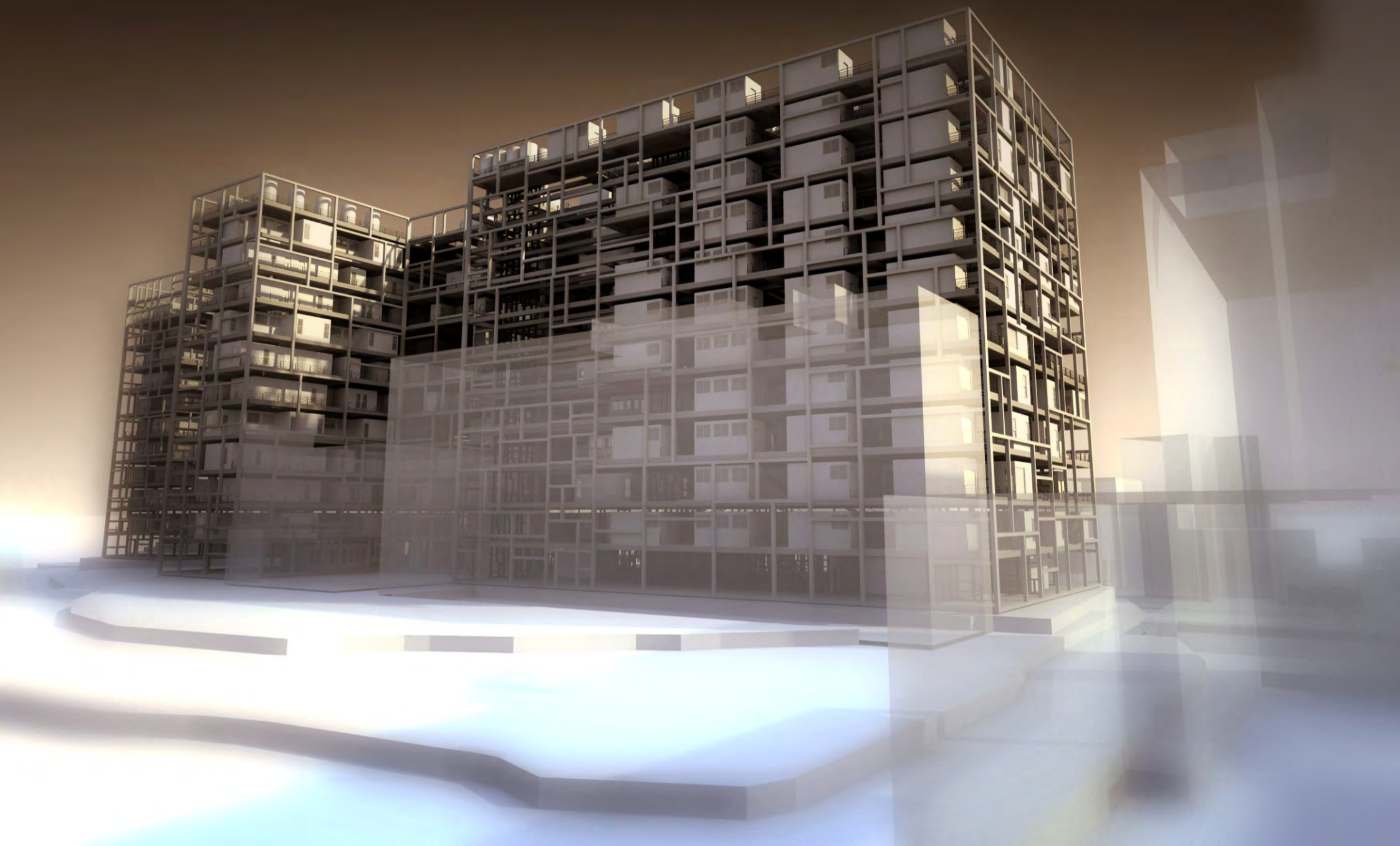
01/washroom	
02/shower	
03/laundry	
04/washroom	
05/shower	
06/B395	4-26 + 2-09 + 2-08
07/B036	4-19 + 2-10 + 2-08
08/B170	4-22 + 2-07 + 2-05
09/B022	4-19 + 4-15 + 1-02
10/B383	4-26 + 4-18 + 1-02
11/B251	4-23 + 2-09 + 2-08
12/B242	4-23 + 2-07 + 2-05
13/B098	4-20 + 2-07 + 2-05
14/B250	4-23 + 2-07 + 2-08
15/B178	4-22 + 2-07 + 2-08
16/B394	4-26 + 2-09 + 2-08
17/B166	4-22 + 4-15 + 1-02
18/A011	2-04 + 1-01 + 2-02
19/B177	4-22 + 2-06 + 2-08
20/laundry	
21/laundry	
22/laundry	
23/laundry	
24/washroom	
25/shower	

Single :	4 rooms
Twin :	22 rooms
Quad :	16 rooms
Boarders:	198 people





◀◀◀ Site plan







湯 天維


生於民國柒拾伍年柒月貳拾貳日 /
淡江大學建築系 大學部 /
台北市萬華區青年路陸什肆號什壹樓之貳 /

我想每棟建築就像是在說一個故事
沒有直接的對與錯 只有動聽與逆耳的差別 /



吳 光庭

1975 台灣省立新竹中學畢業
1979 中國文化大學建築及都市設計學系畢業
1982 美國密西根大學建築碩士



**I like to design stuff,
and I think it shows part of me.
I hate to be stuck in the situation without change.
If new amazing things pop up every day,
the world will become more and more interesting.**