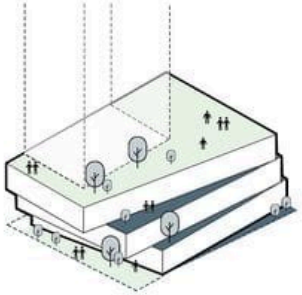
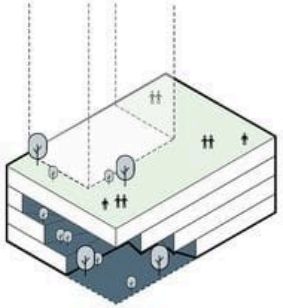
Συμβιωτικά περιβάλλοντα κατοίκησης: Υβριδικά συστήματα συνεργασίας μεταξύ τεχνολογίας, φύσης και σωμάτων

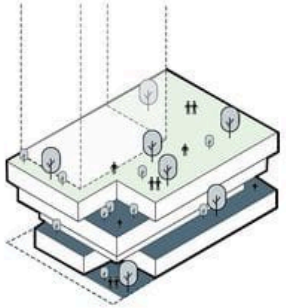
τρίτη_14_μαϊου_2024



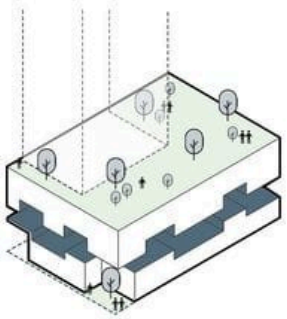
CONCEPT 1
Twist



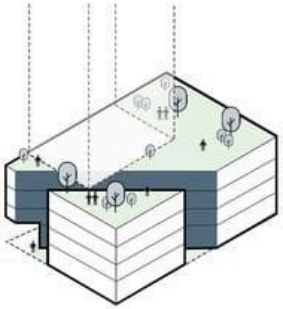
CONCEPT 2
Spiral



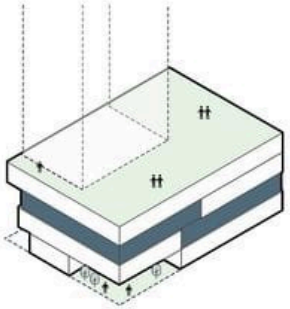
CONCEPT 3
Shift



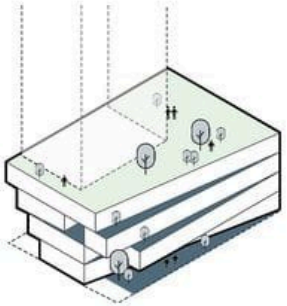
CONCEPT 4
Cloud



CONCEPT 5
Slice



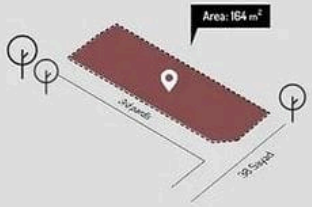
CONCEPT 6
Layers



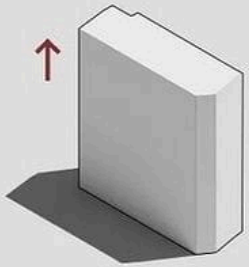
CONCEPT 7
Step

CONCEPT DIAGRAM

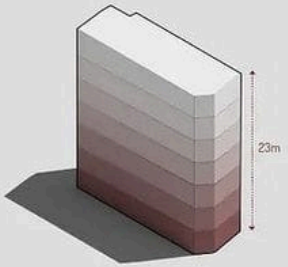
3XN Tornoto Tower



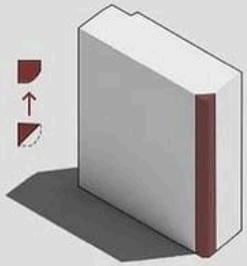
01 • Site & Location



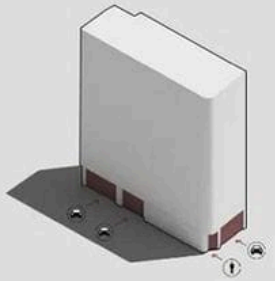
02 • Main Volume



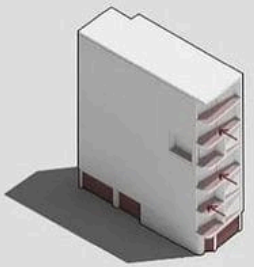
03 • Levels



04 • Rounded Corner

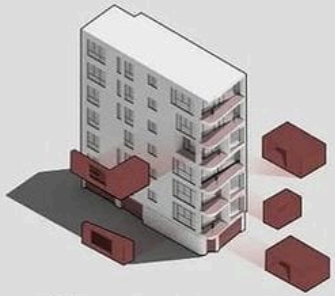


05 • Entrance

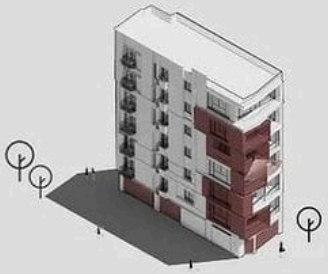


06 • Define Terraces

07 • Openings



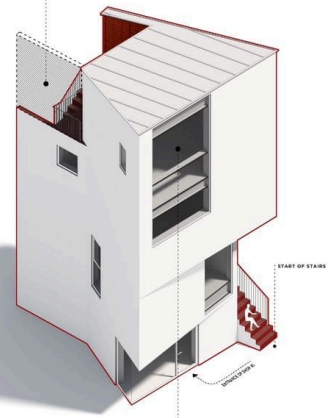
08 • Adding Frames



09 • Final Form

ELIMINATION

THE BACK OF THE FOURTH FLOOR, WHICH HAD TO REMAIN EMPTY BECAUSE OF THE SLANT LINE RESTRICTIONS FOR DAYLIGHT, WAS DESIGNED INTO A TERRACE STRETCHING NATURALLY ONTO THE STAIRS.



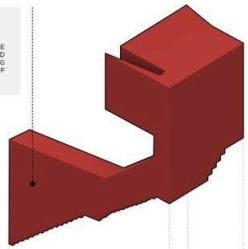
LARGE WINDOWS

FLOOR-TO-CEILING WINDOWS WERE PLACED AT THE FRONT OF EACH FLOOR TO MAXIMIZE THIS OPENNESS, GIVEN THE BUILDING'S SMALL AREA.

RED HOLE
COMMERICIAL BULDING
ARCHITECT: OHOO ARCHITECTS
LOCATION: SOUTH KOREA

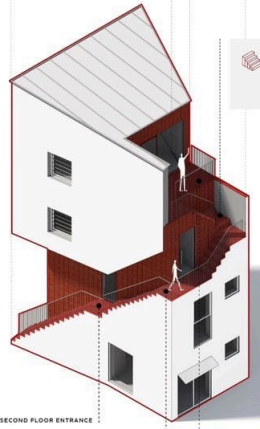
PIECE OF CAKE

THE STAIRS AND THE BACK OF THE BUILDING WERE COVERED IN RED BRICK TILES FOR CONTRAST, MAKING THE BUILDING RESEMBLE A PIECE OF BITTEN-OFF RED VELVET CAKE.



STAIRCASE

THE DYNAMIC DESIGN AND PATH OF THE STAIRWAY ADD A SENSE OF LIVELINESS TO THE STREETS.



RED HOLE
COMMERICIAL BULDING
ARCHITECT: OHOO ARCHITECTS

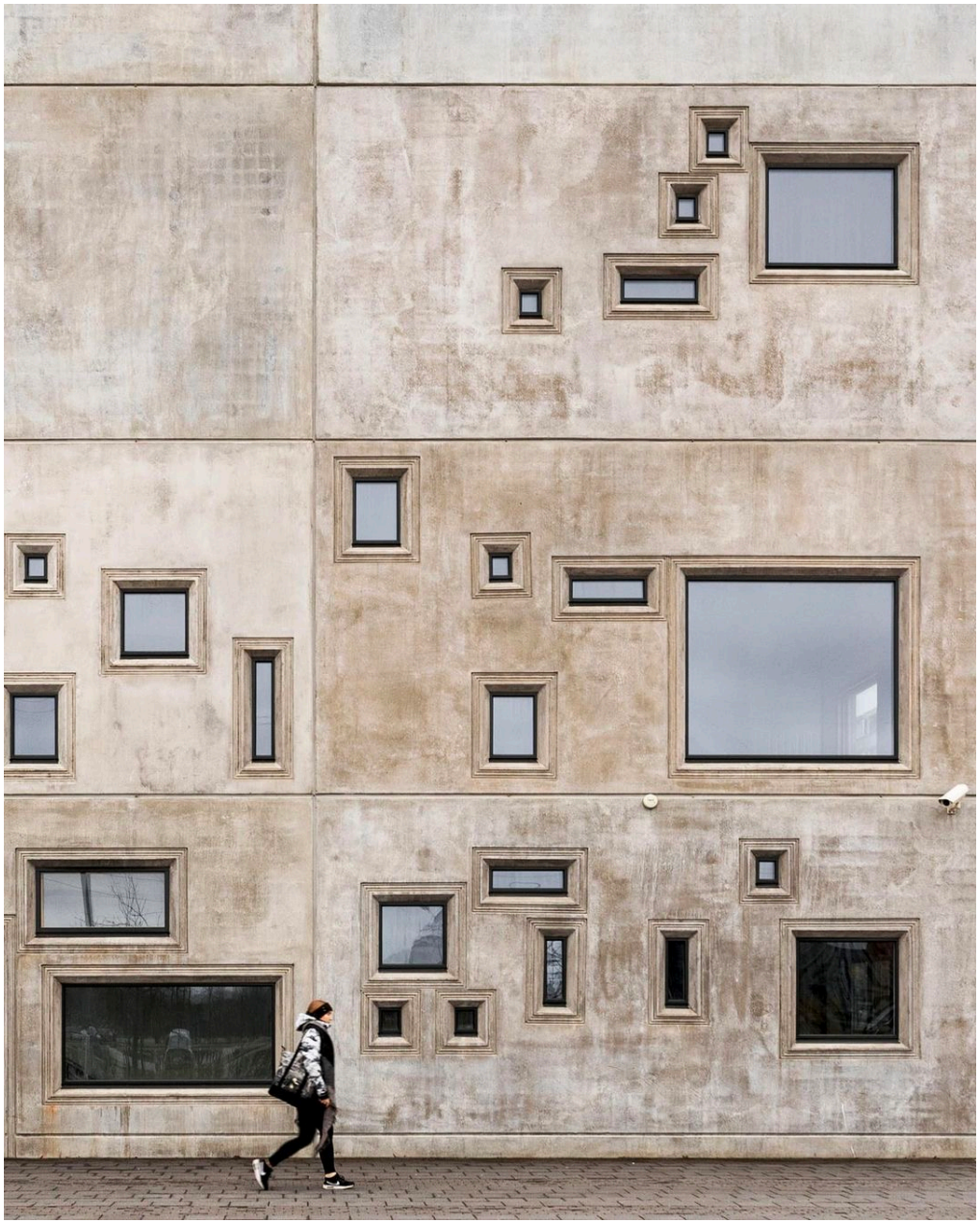
SHOP #2

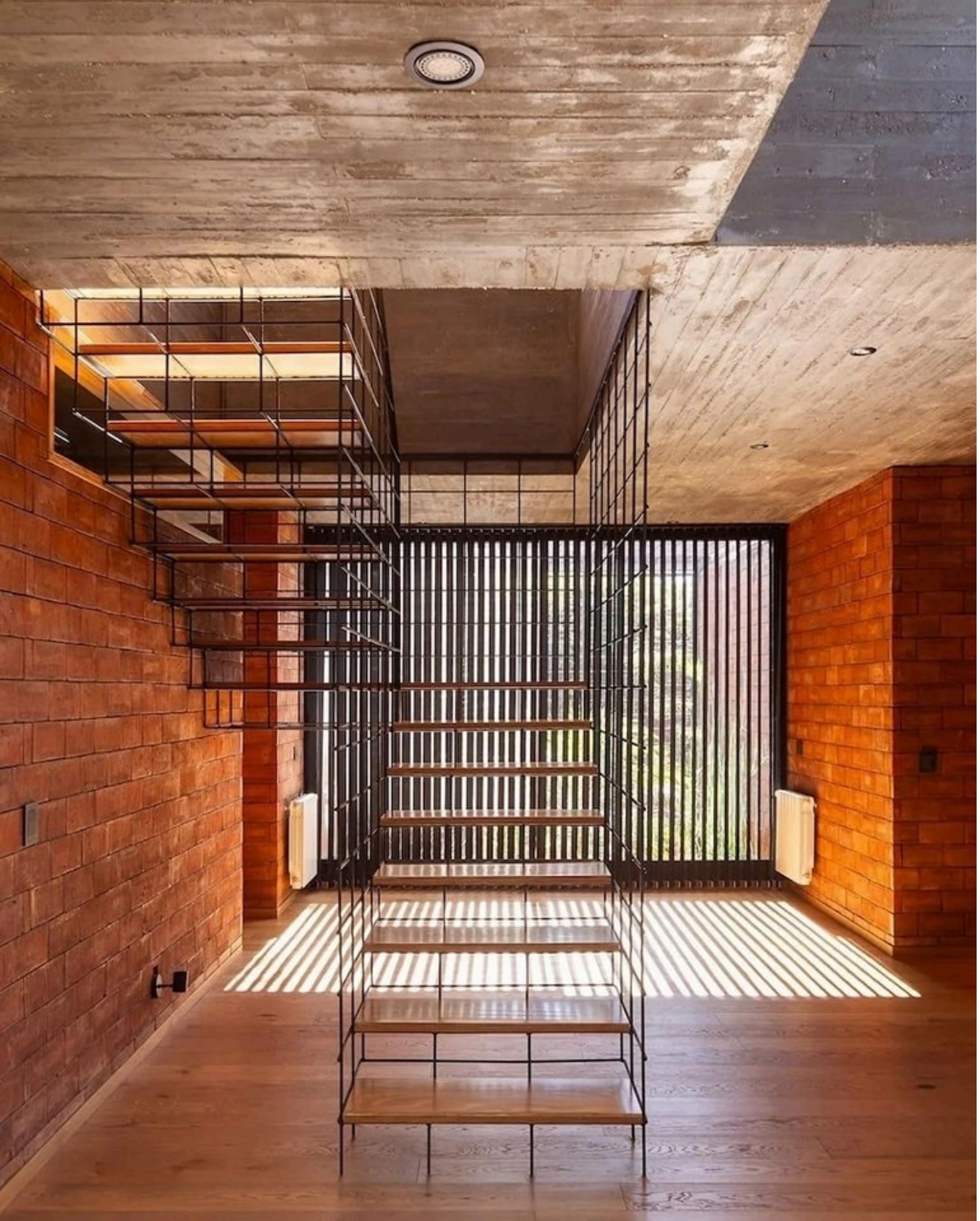
THE ENTRANCE OF SECOND SHOP OF THE GROUND FLOOR IS ON THE BACK SIDE OF THE BUILDING WHICH HAS AN ACCESS FROM THE SMALL NEXT TO ALLEY.

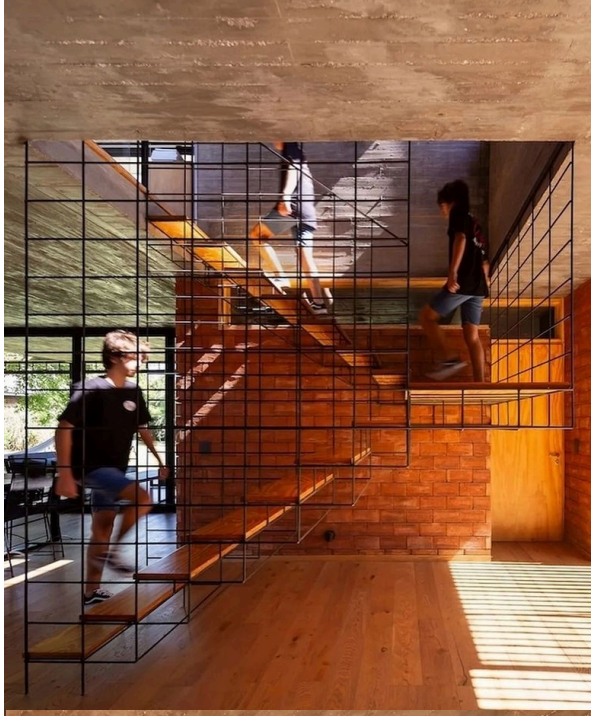
SEATING AREA

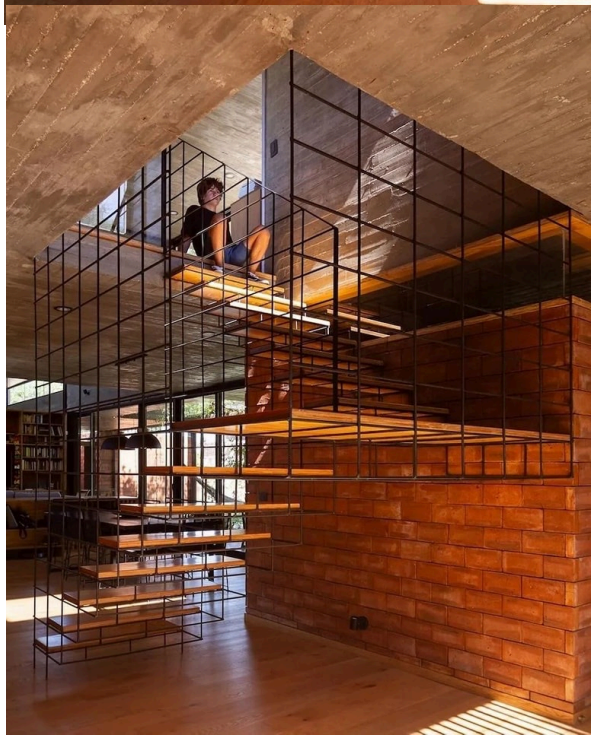
BECAUSE THE NEXT TO ALLEY IS DEADEND, THE NEXTDOOR CAFE USE THIS AREA AS AN OUTDOOR SEATING SPACE.

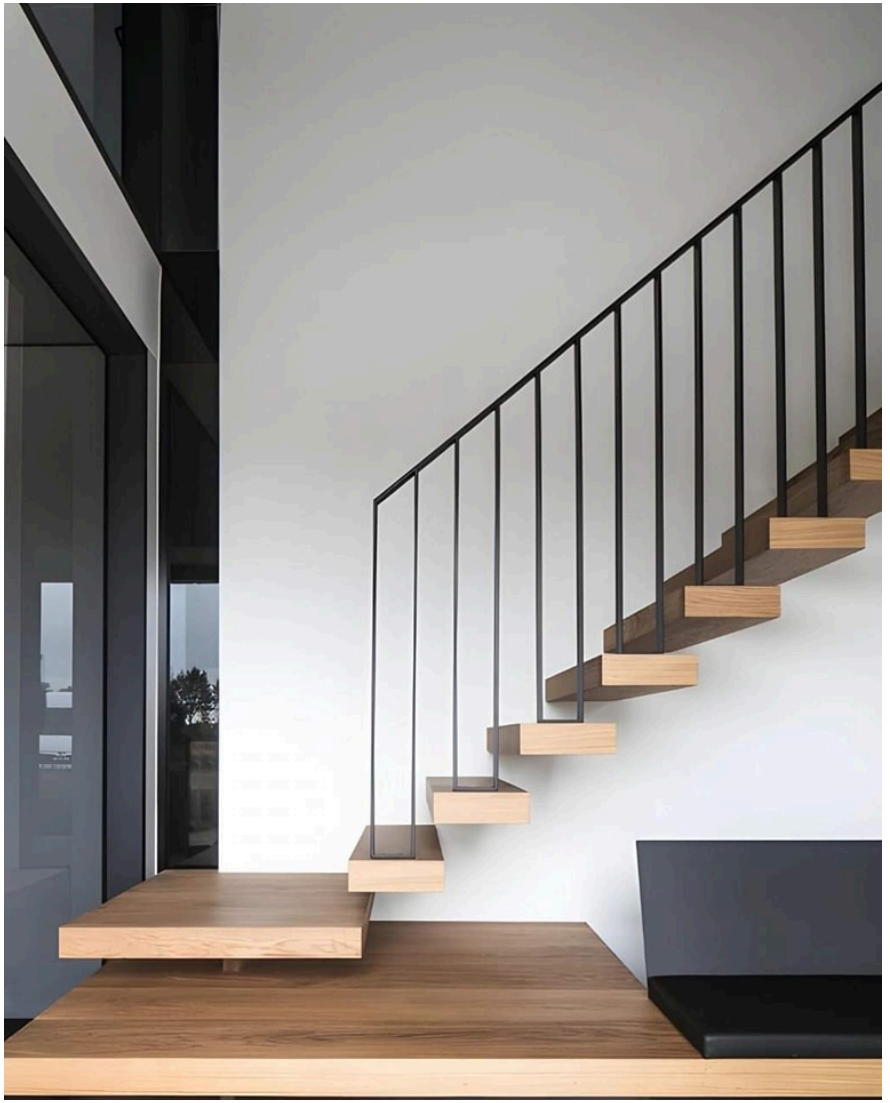
RED HOLE
COMMERICIAL BULDING
ARCHITECT: OHOO ARCHITECTS
LOCATION: SOUTH KOREA
DIAGRAM: **BEHNAZ HOUSHYAR**

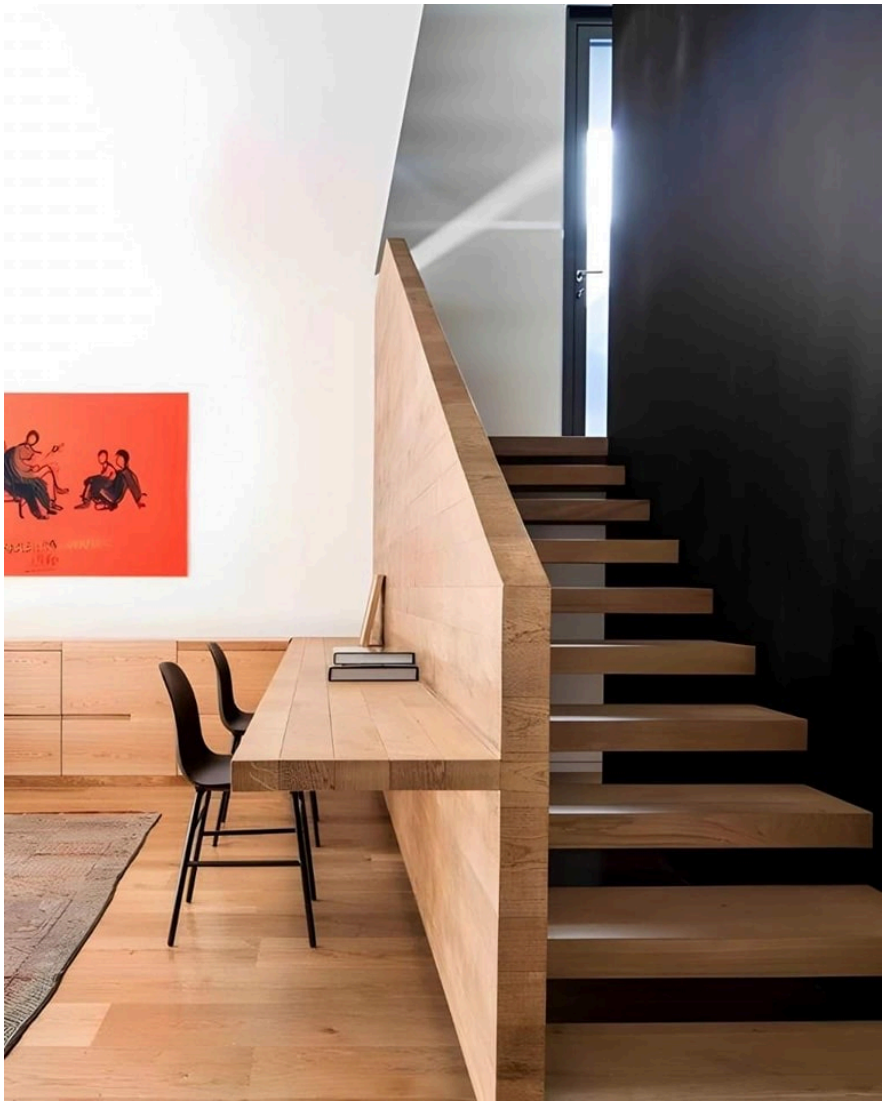


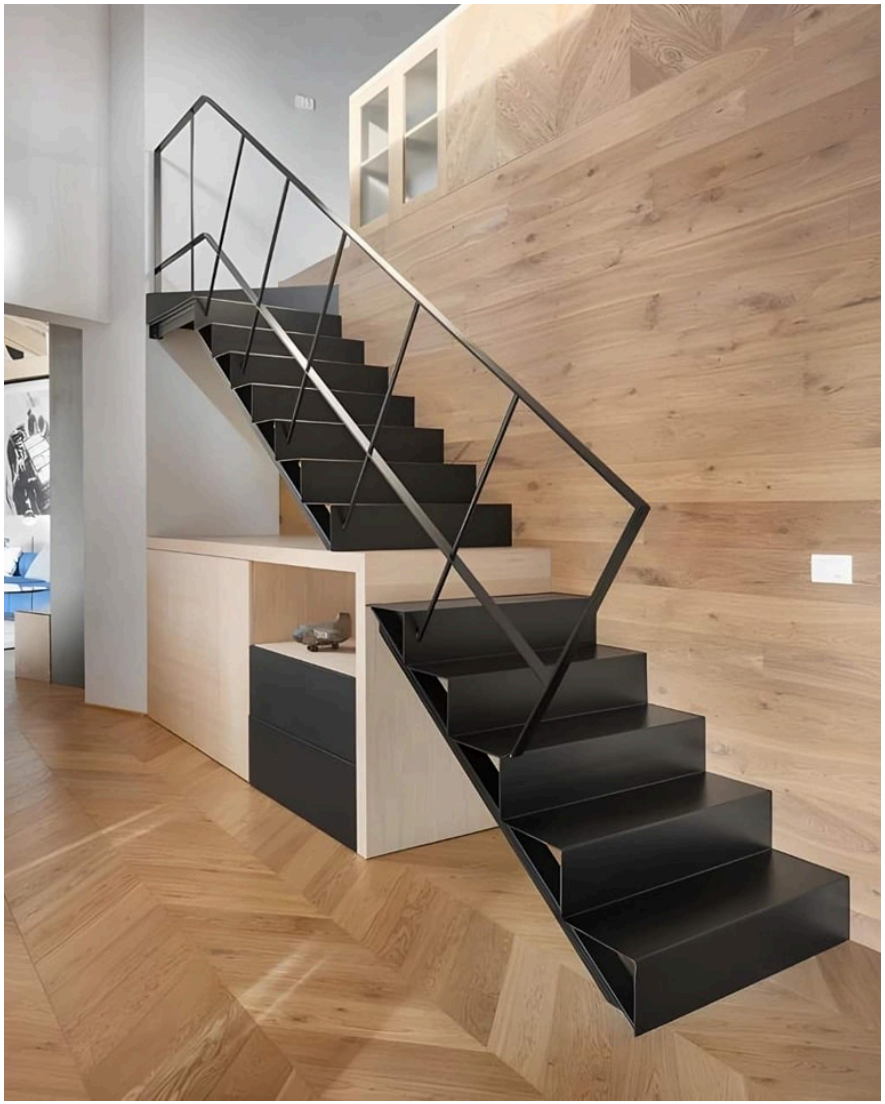


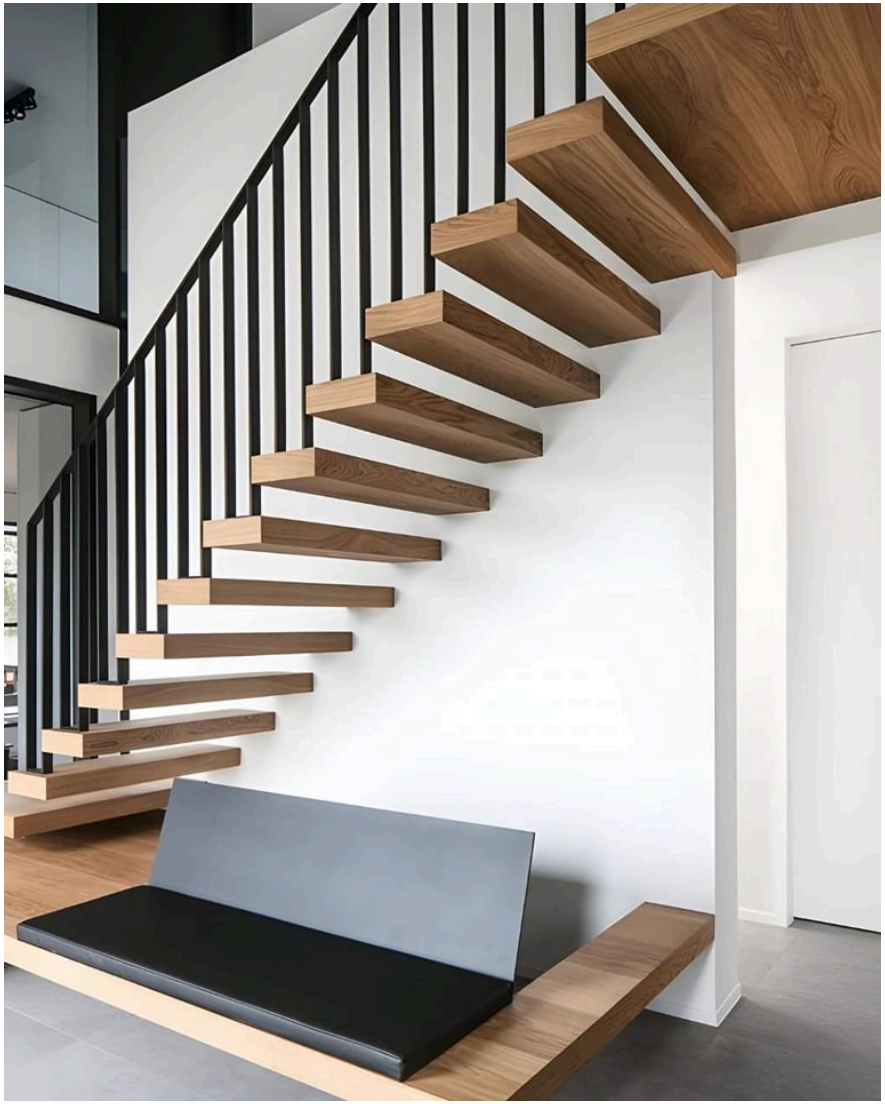


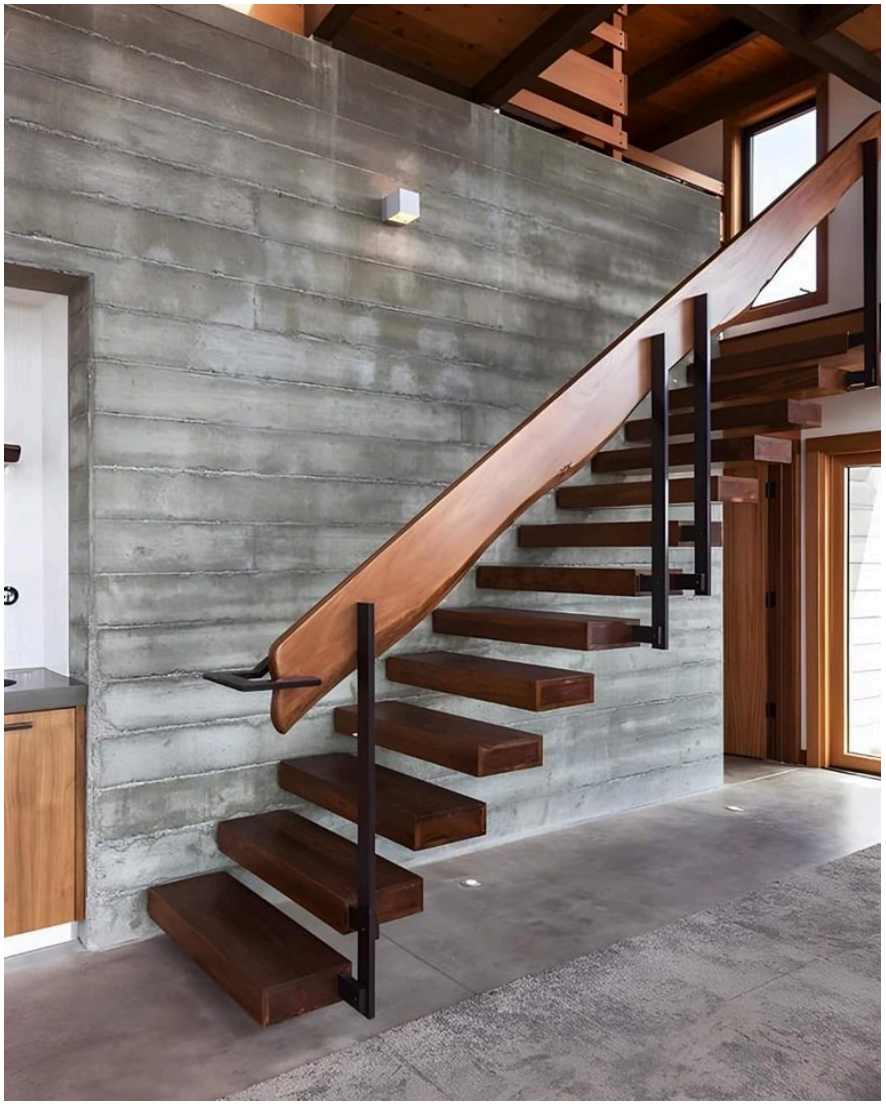


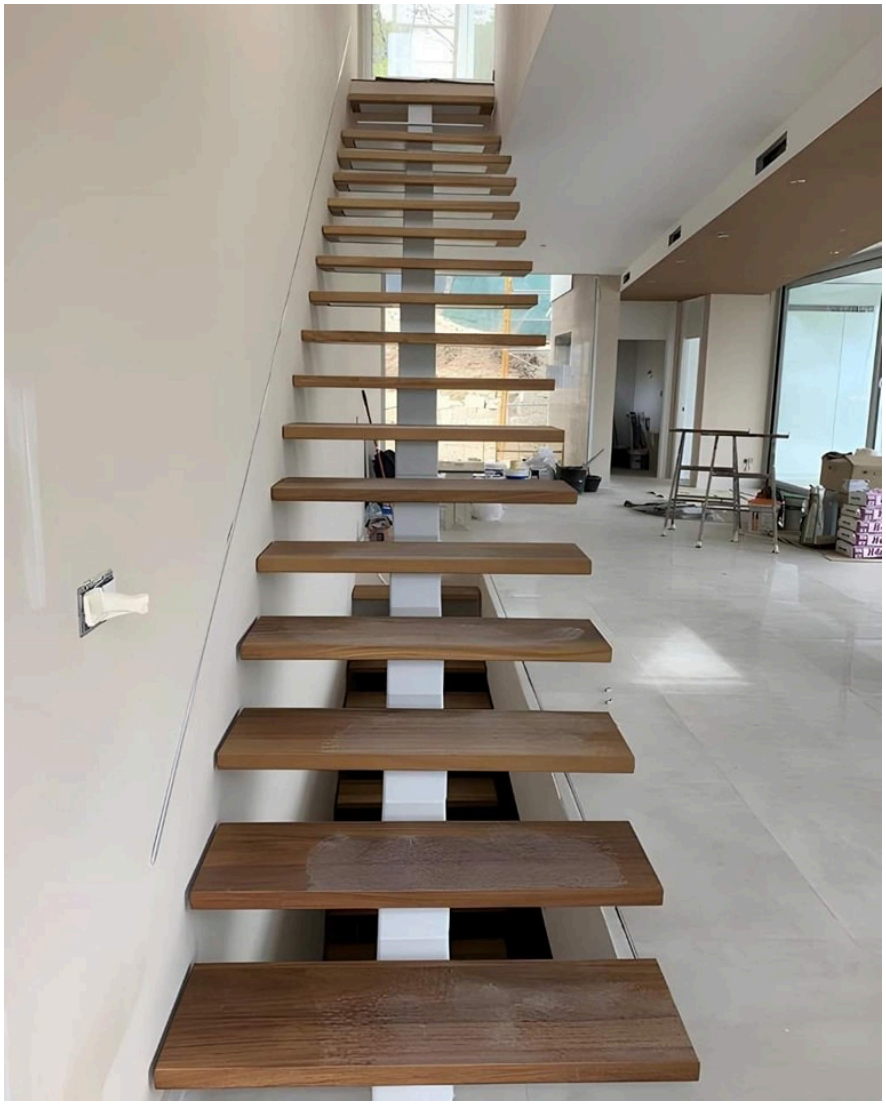


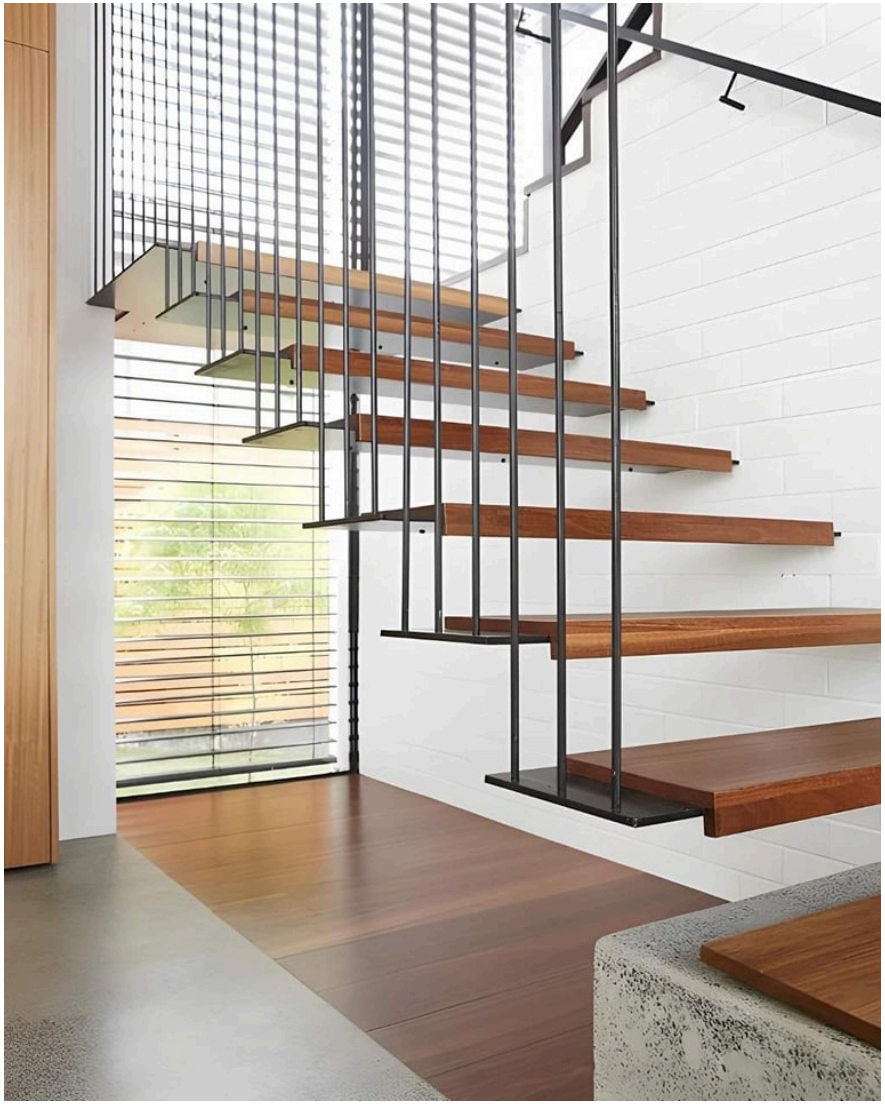


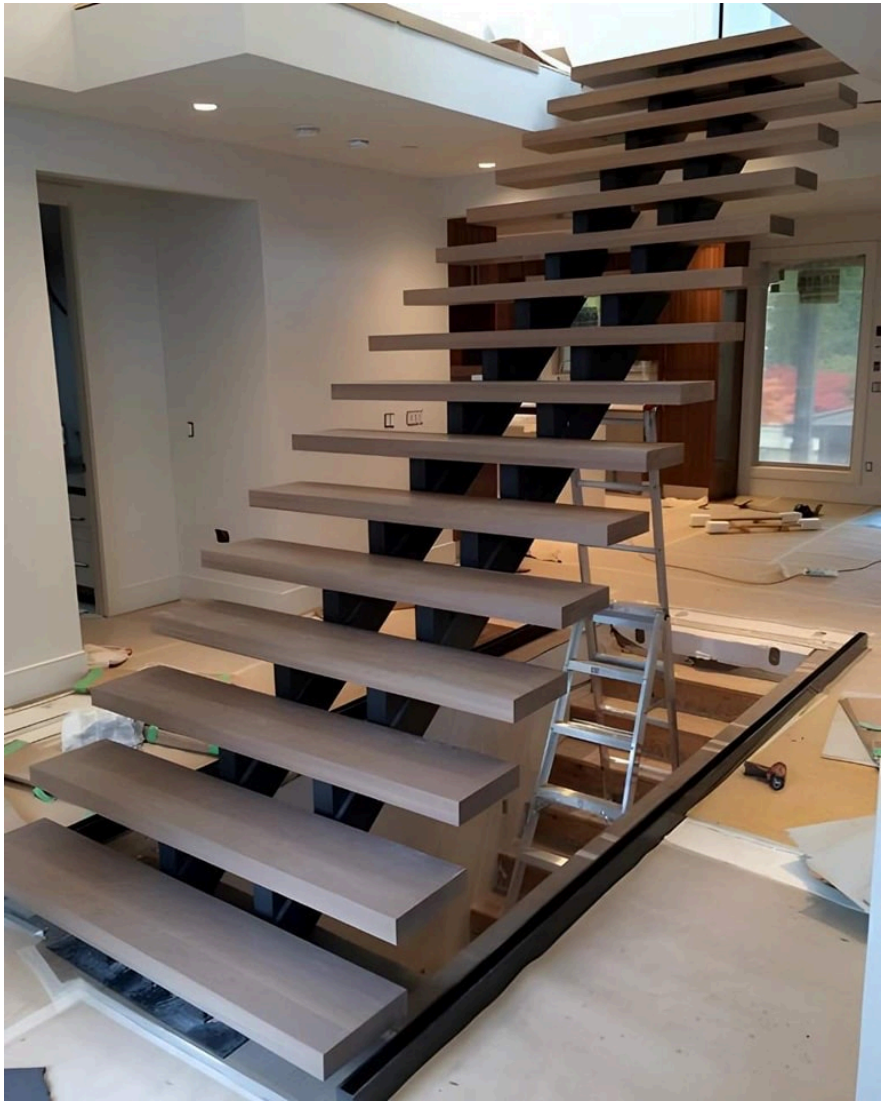


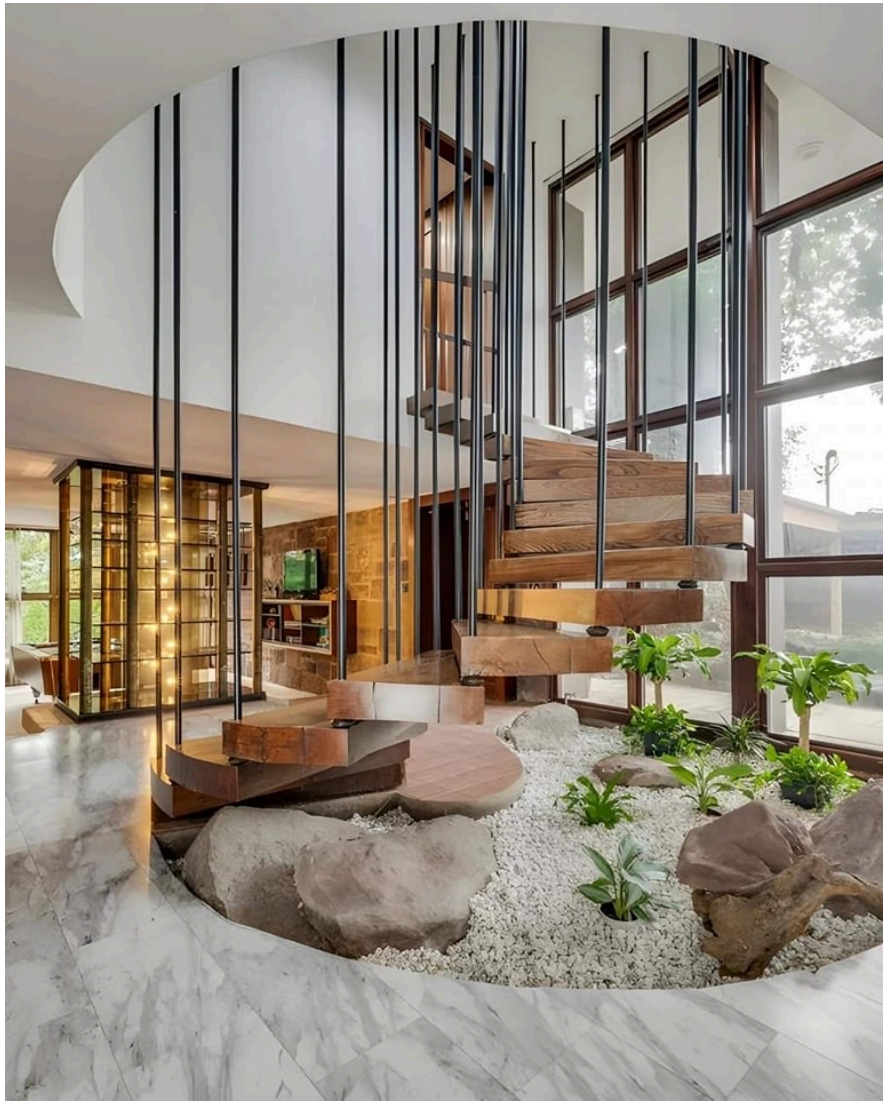


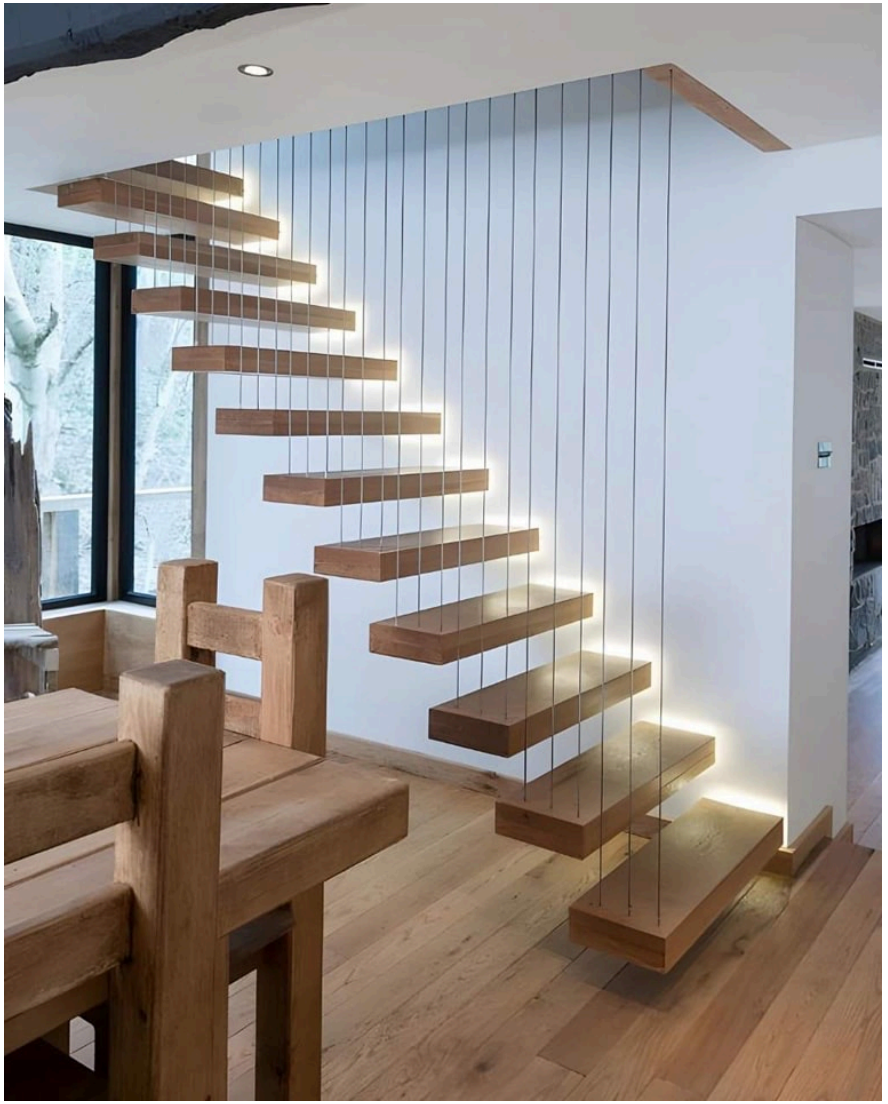


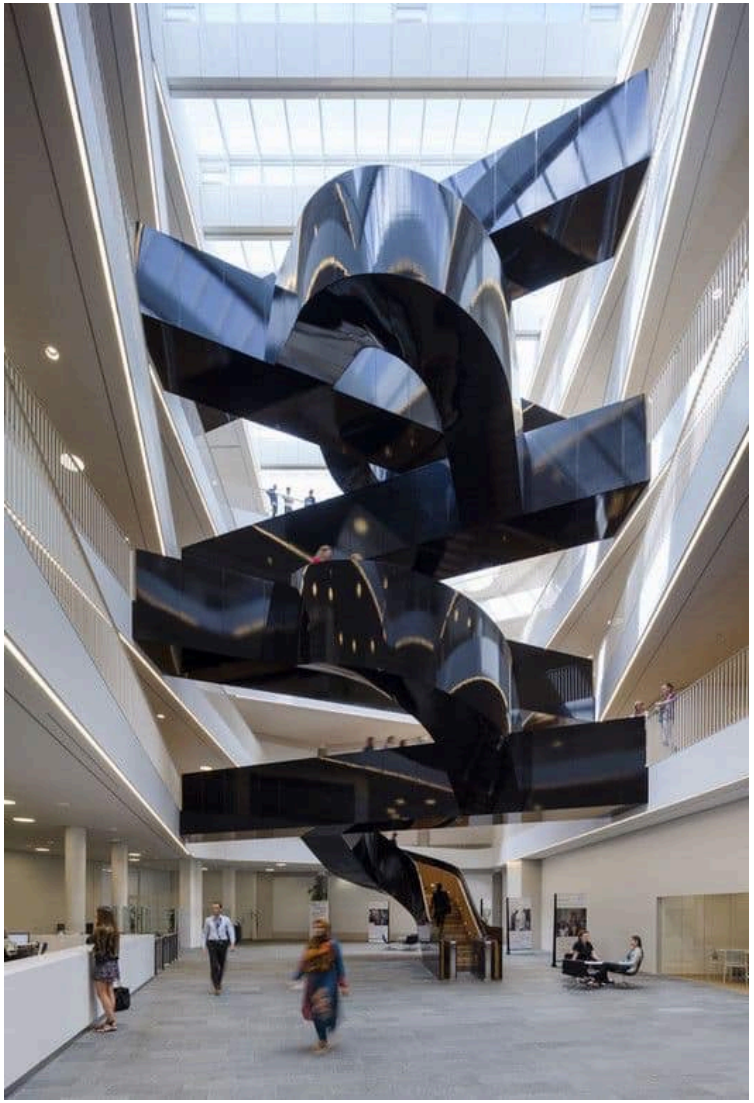


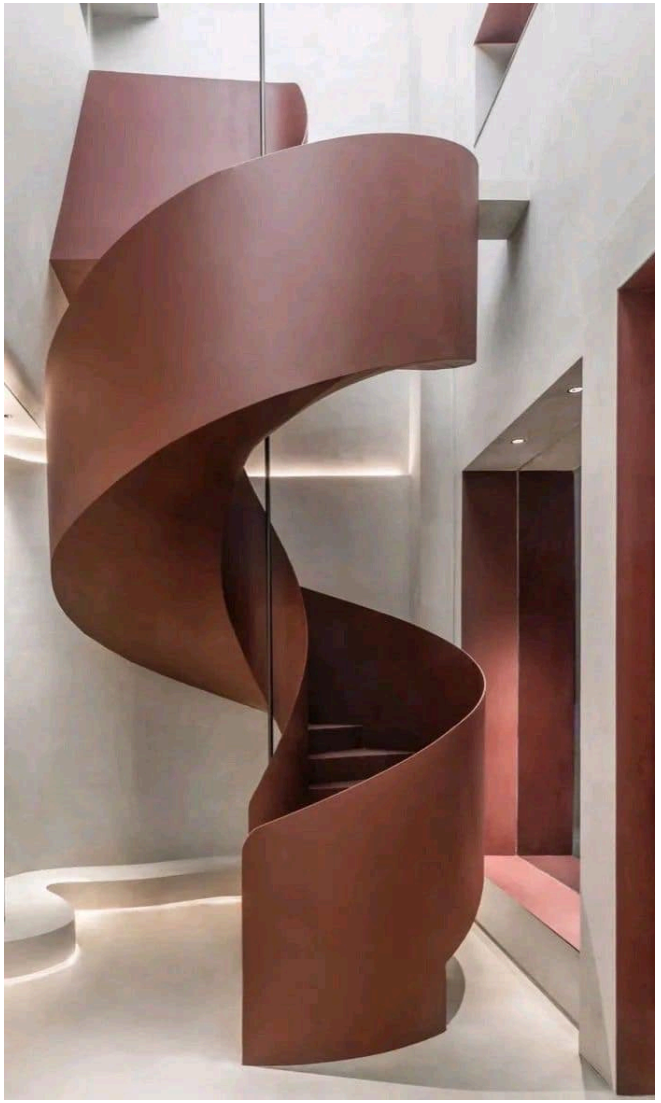


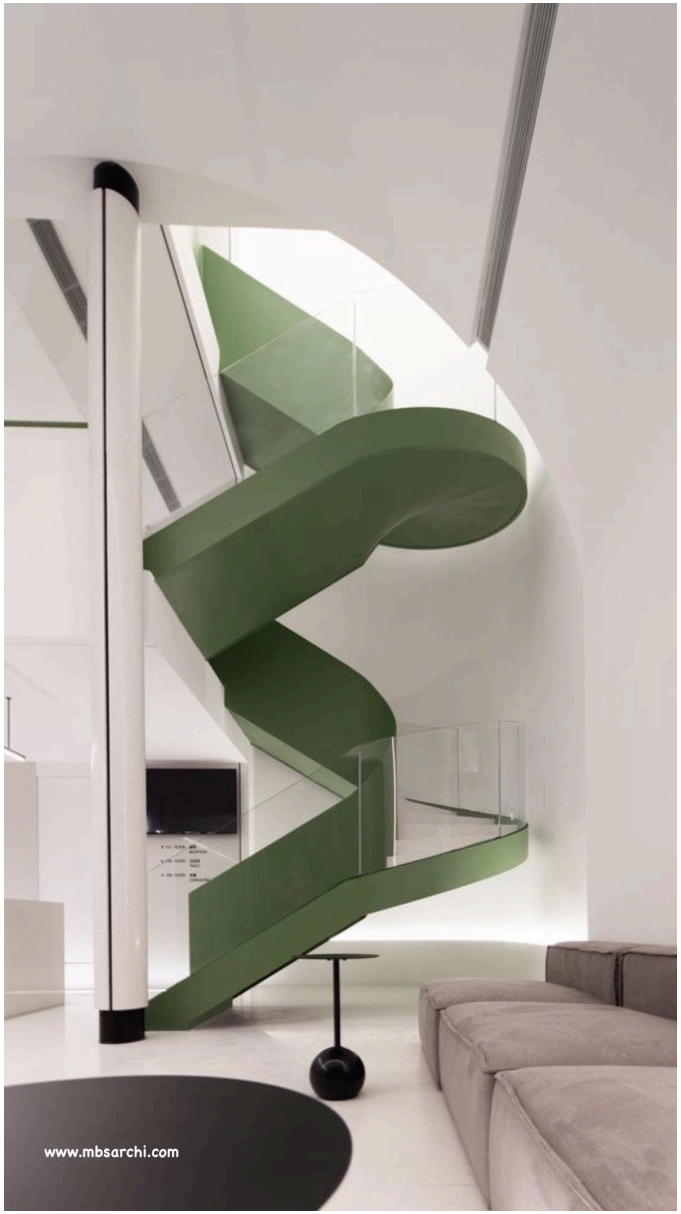








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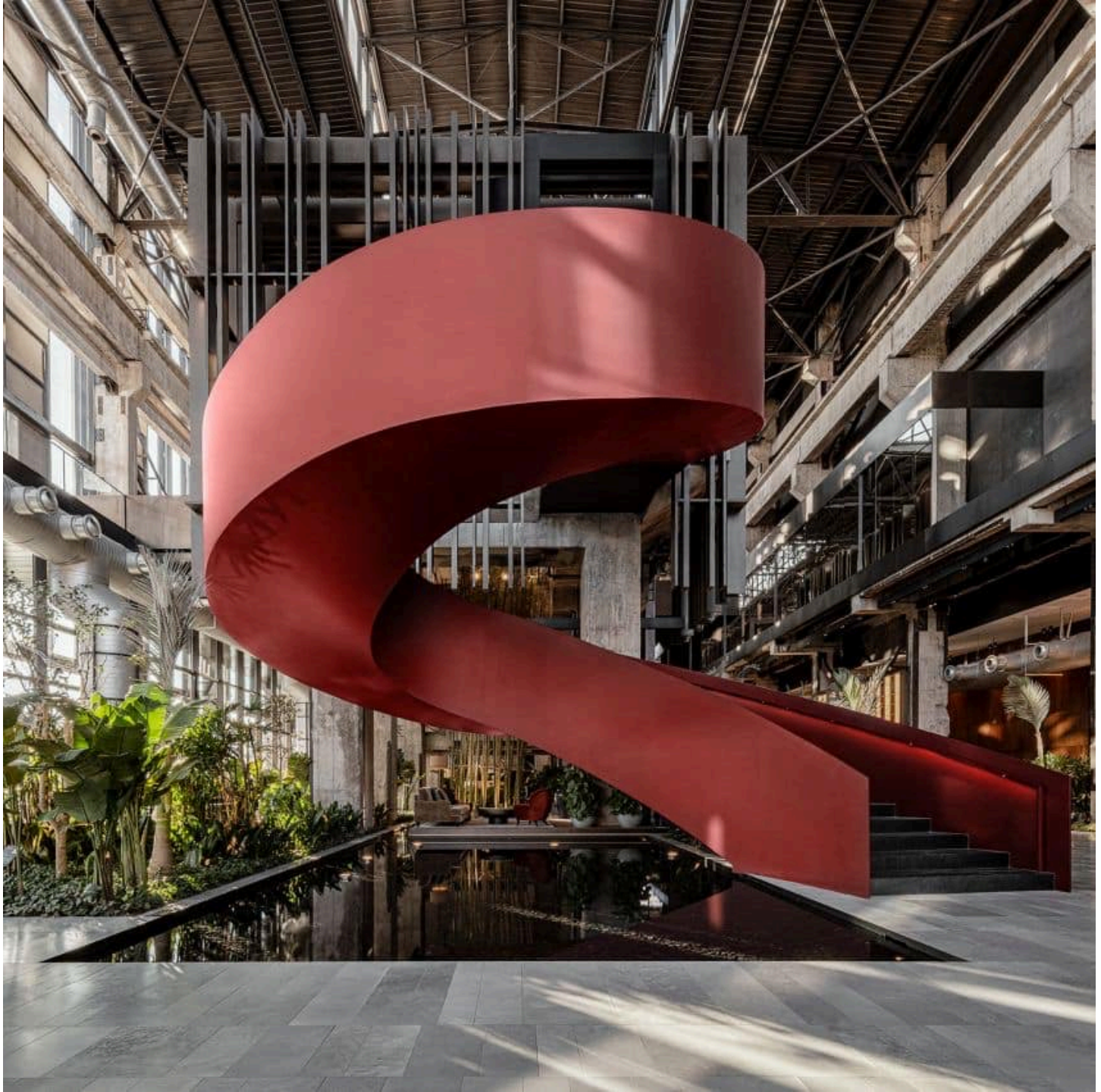
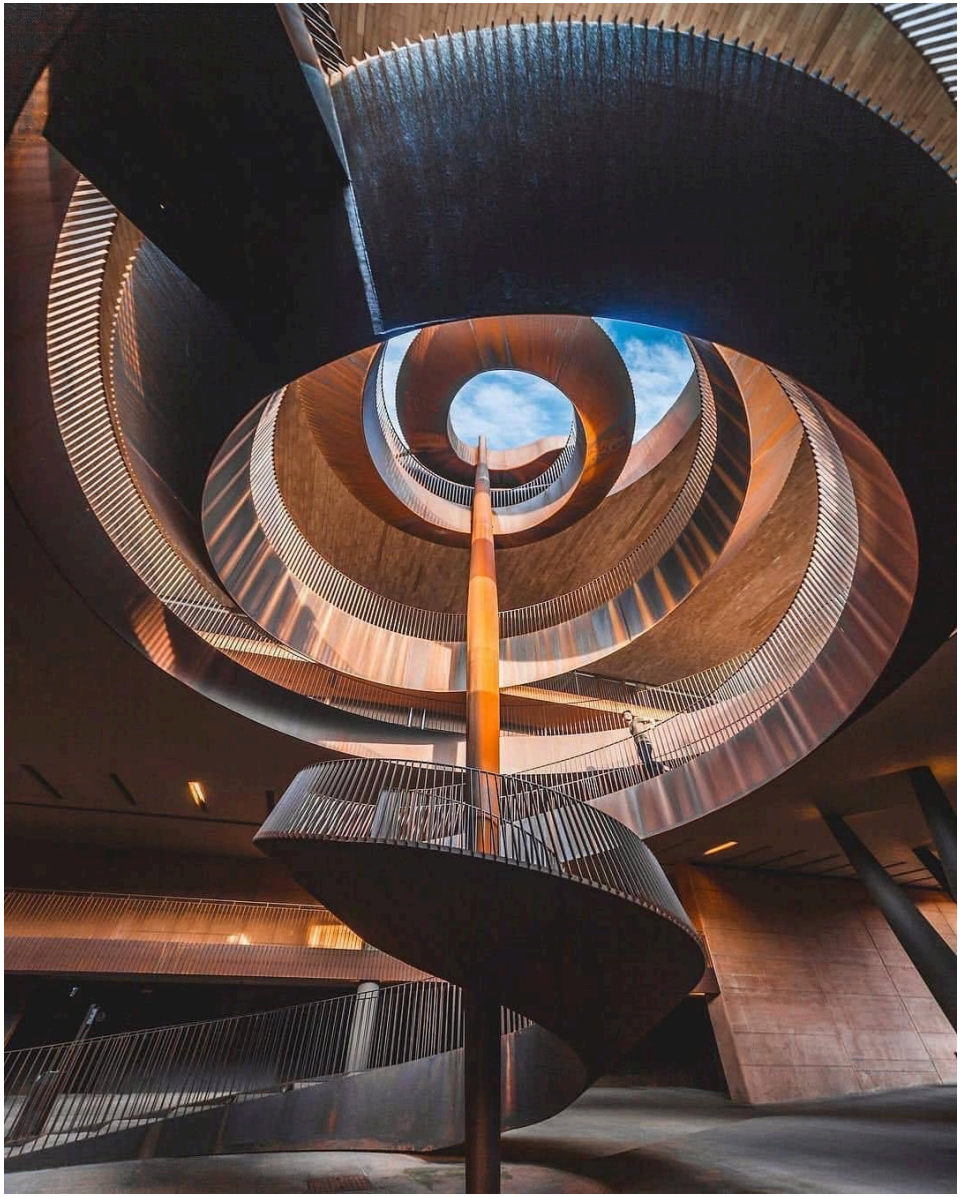
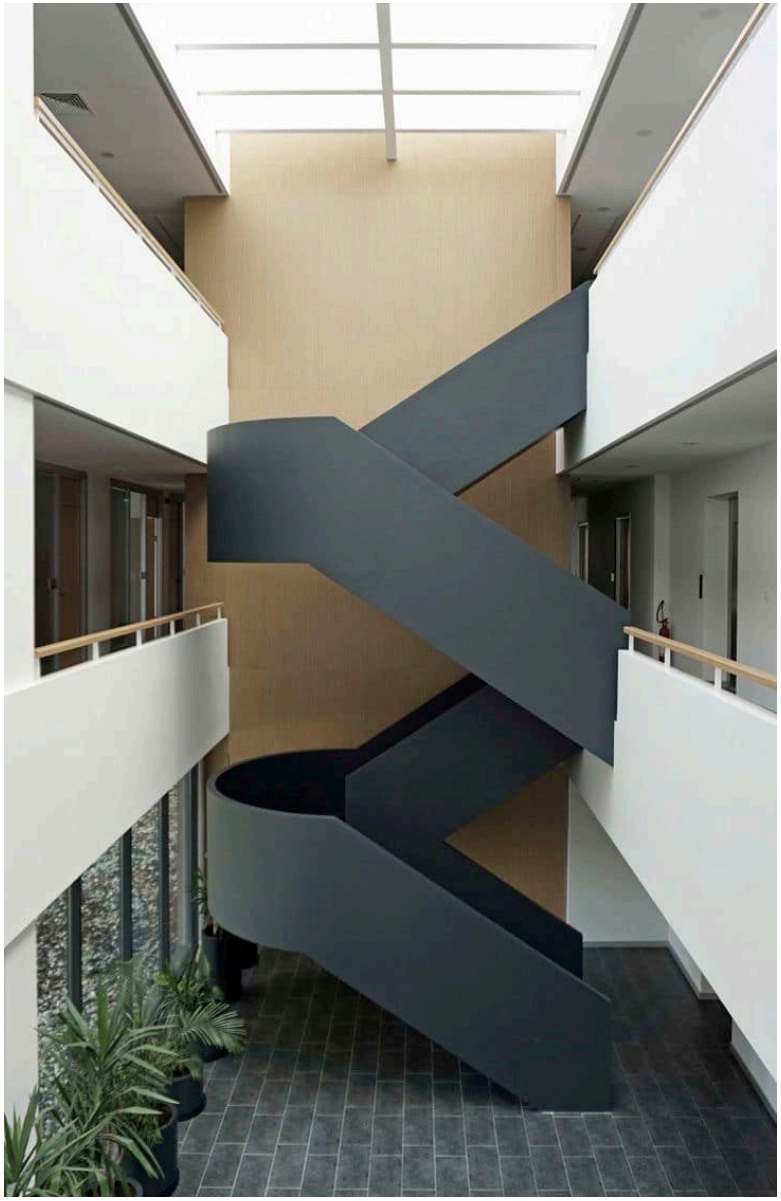
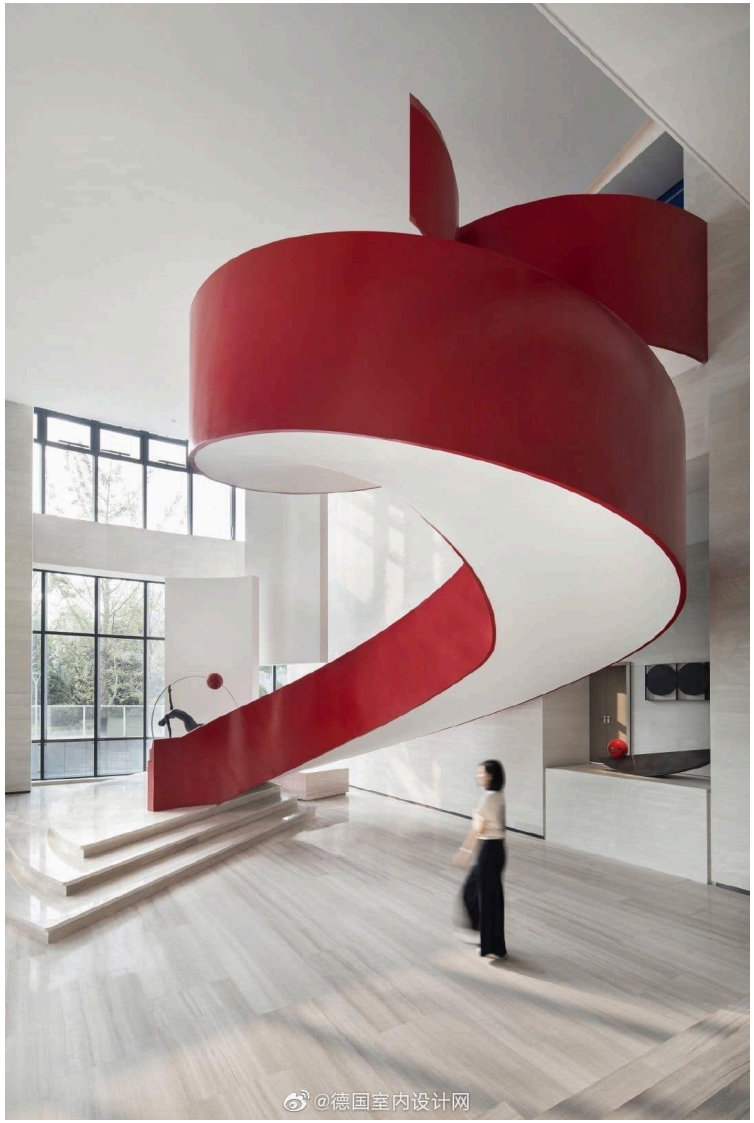







Cocktail
Lounge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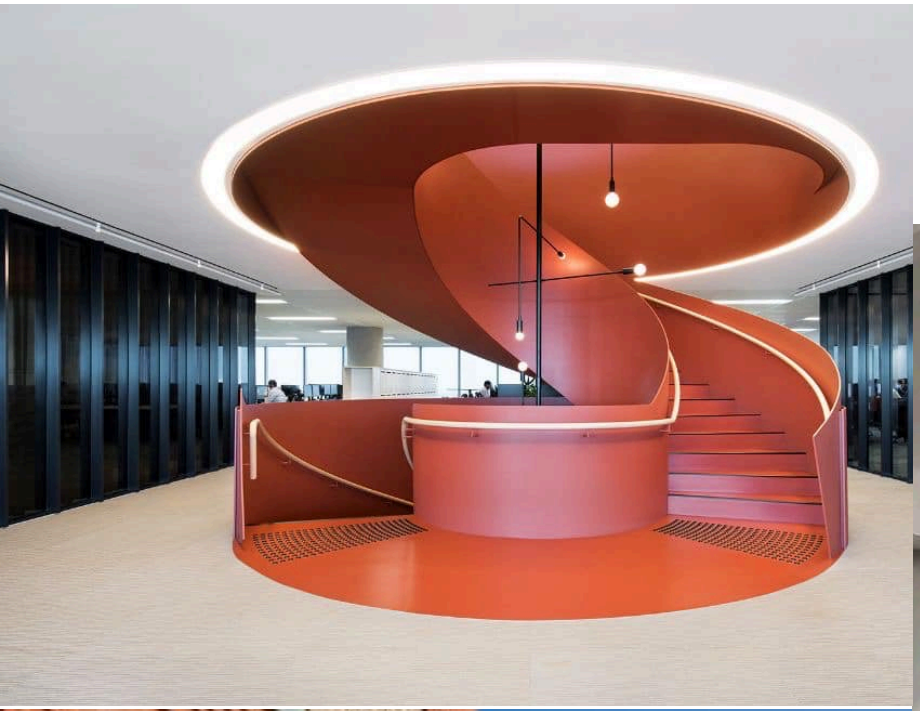
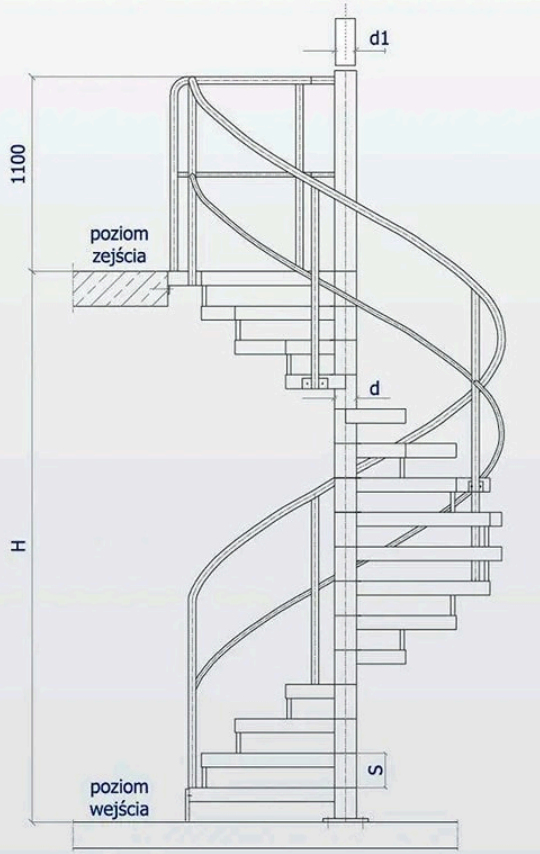
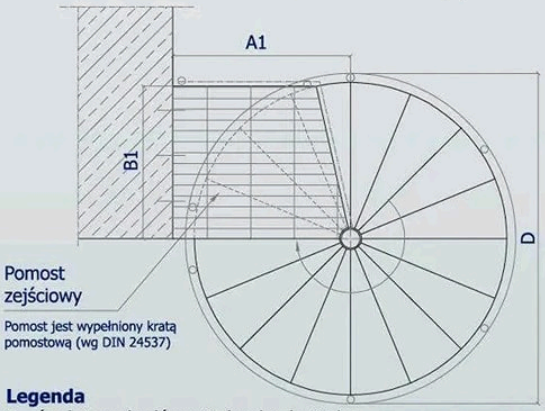
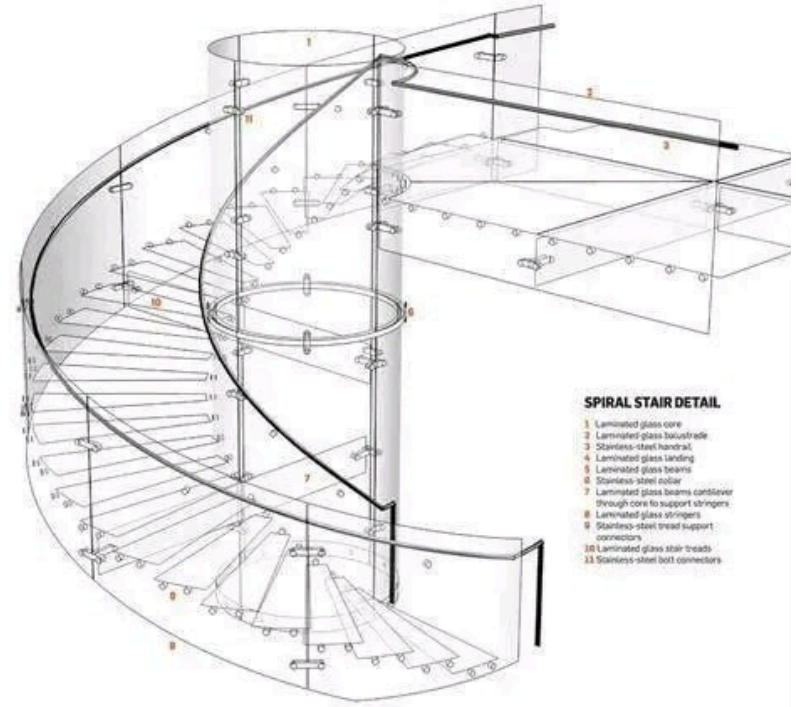


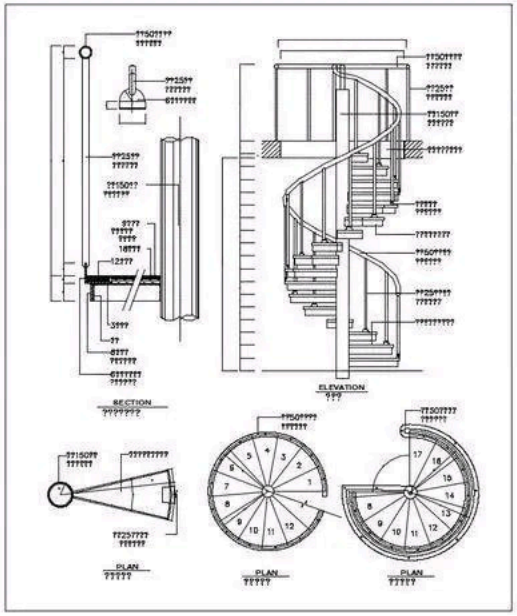


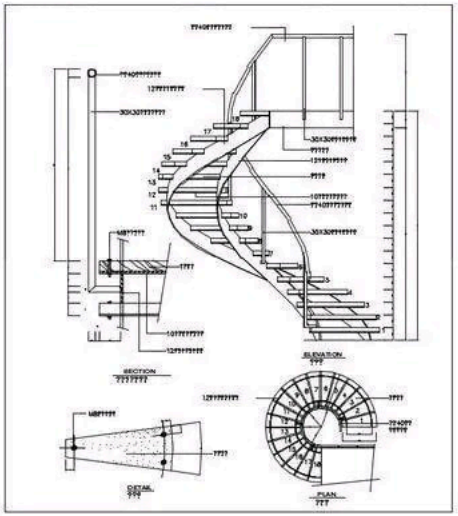


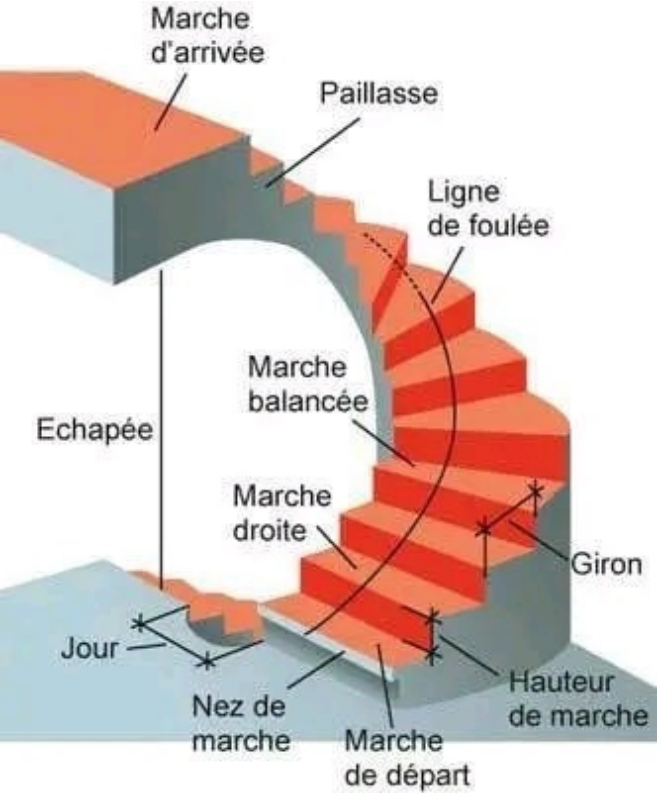
Legenda

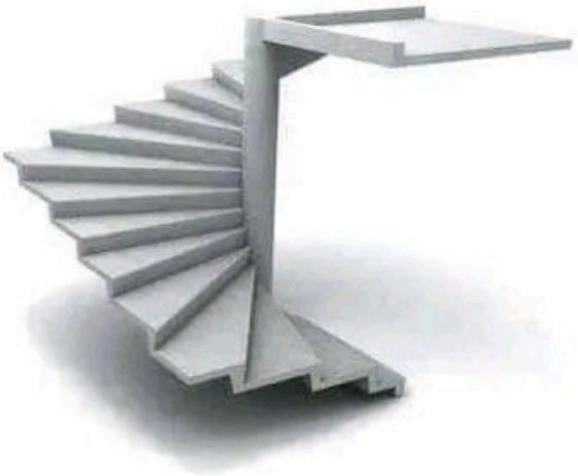
D - średnica schodów spiralnych z barierką
d - średnica tulei
d1 - średnica rury centralnej
H - wysokość kondygnacji
S - wysokość stąpnięcia schodów
A1, B1 - wymiary pomostu

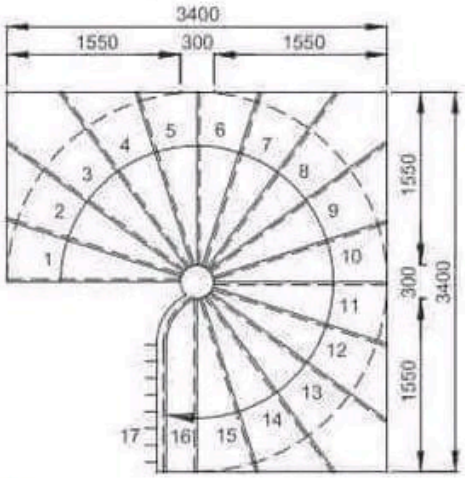




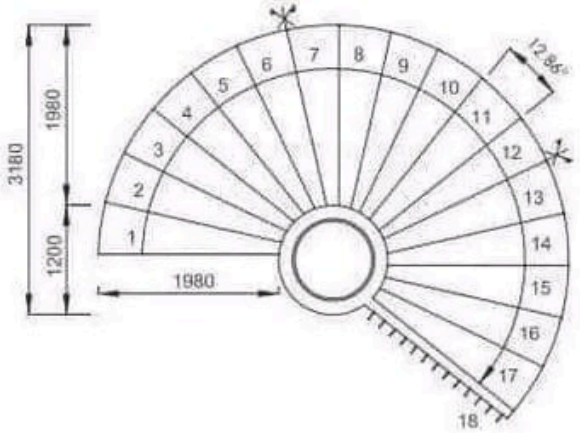




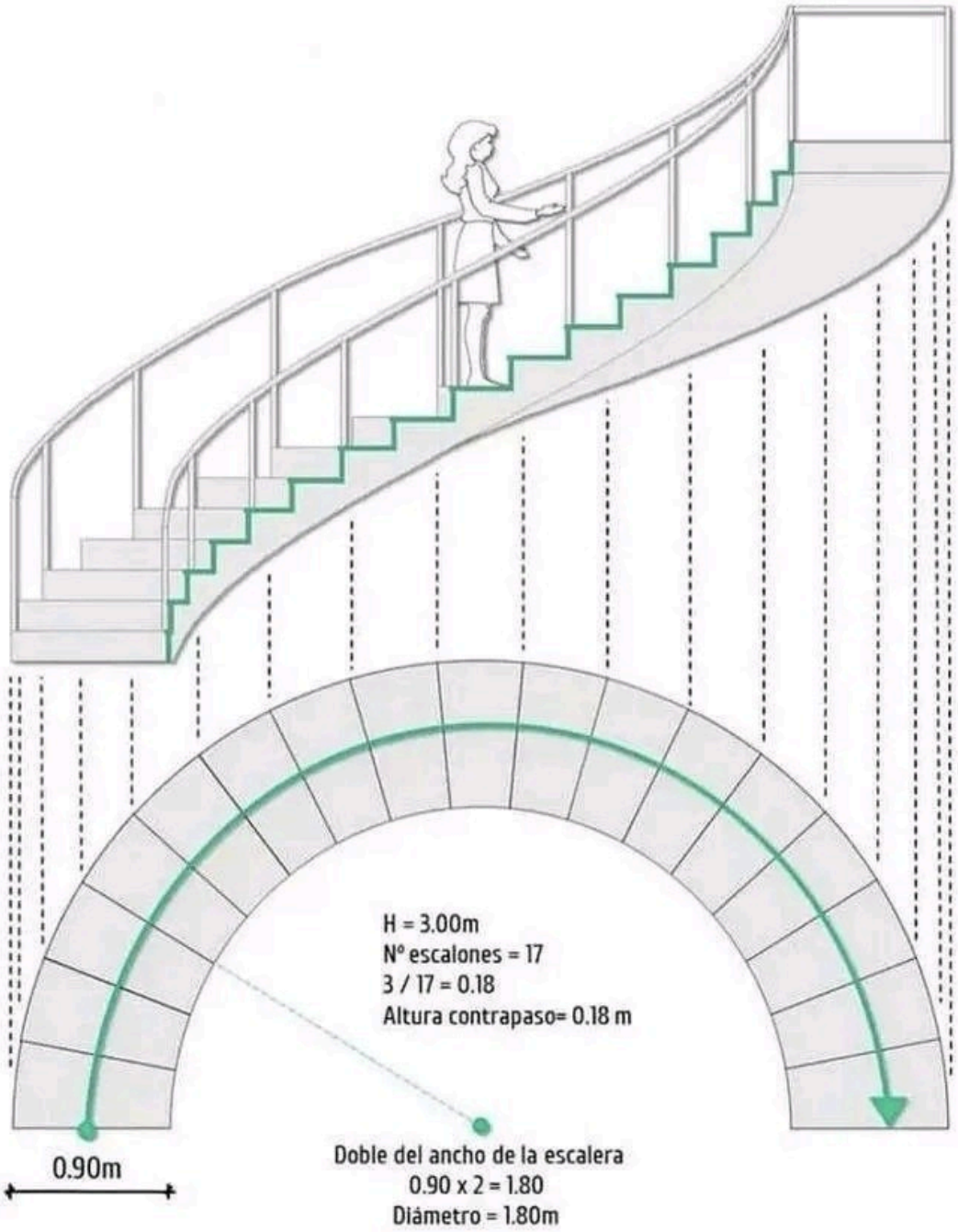


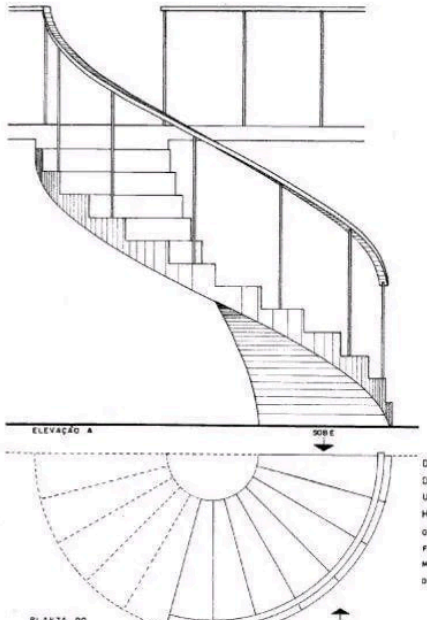


Diameter 300 mm	Max Stair Width 1550 mm
Angle 18°	Weight (max) 2600 kg
Risers from 160 to 190 mm	Rotation Right or Left
Nosing 20 mm	

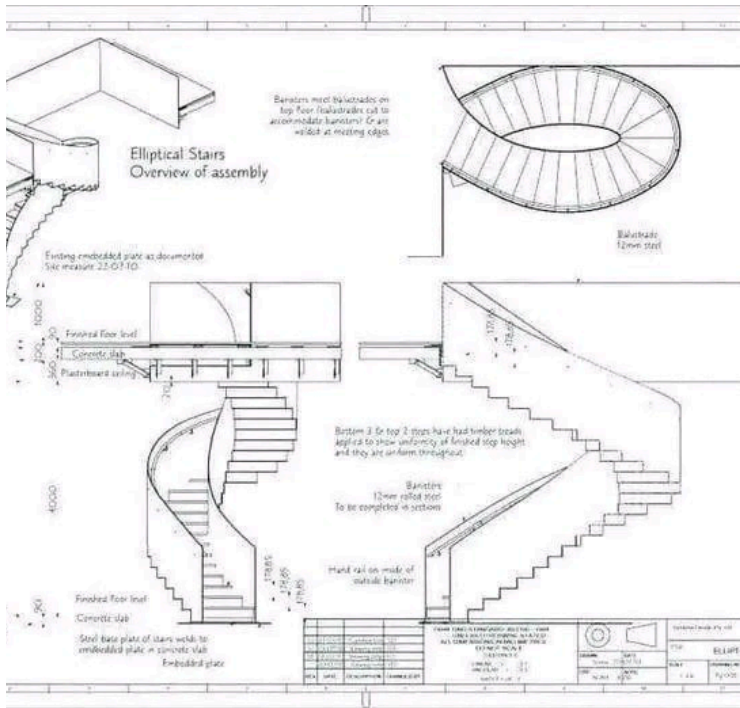


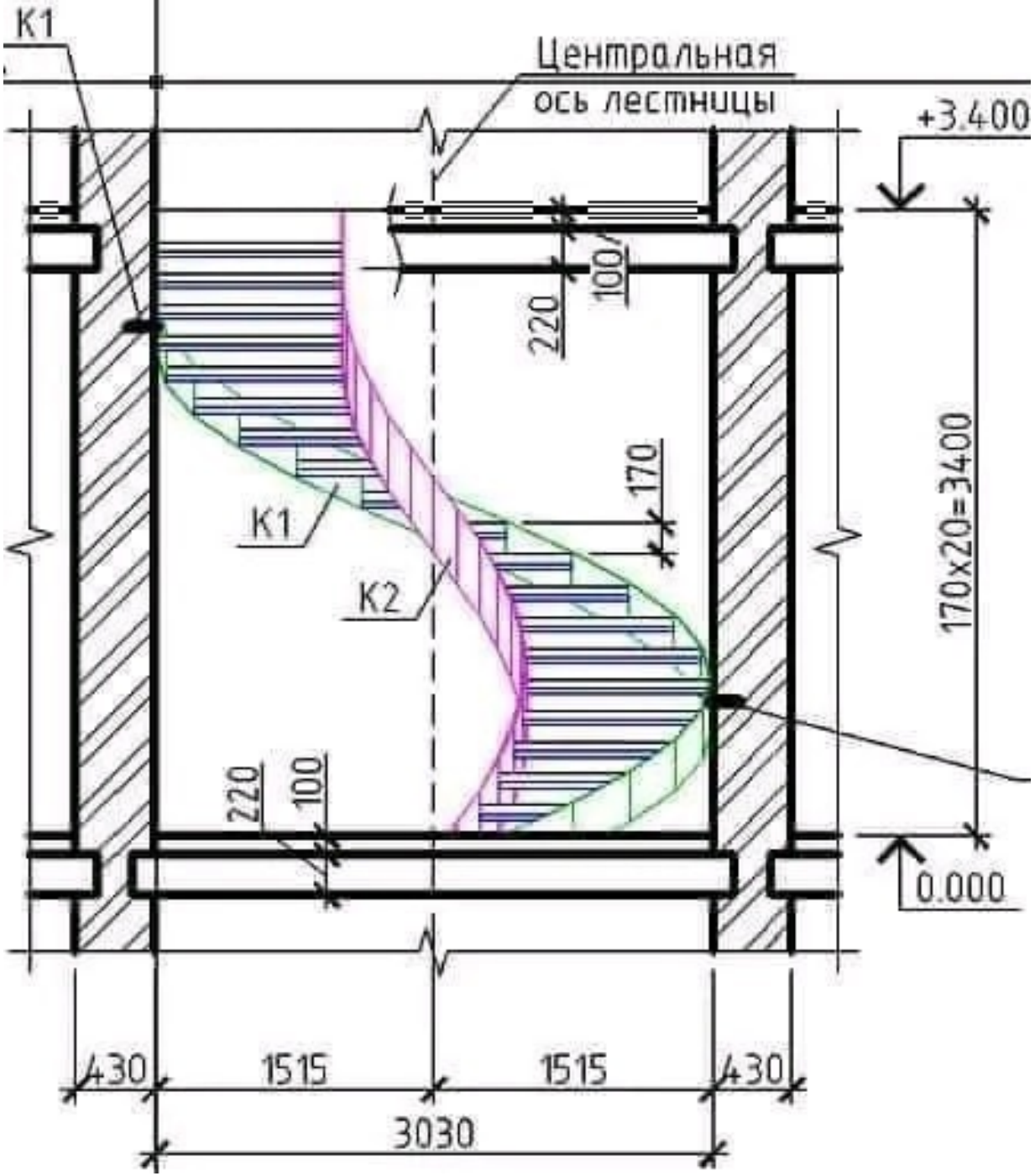
Diameter 1200 mm	Max Stair Width 1980 mm
Risers from 160 to 170 mm	Weight (max) 2400 kg
Nosing 20 mm	Rotation Right or left



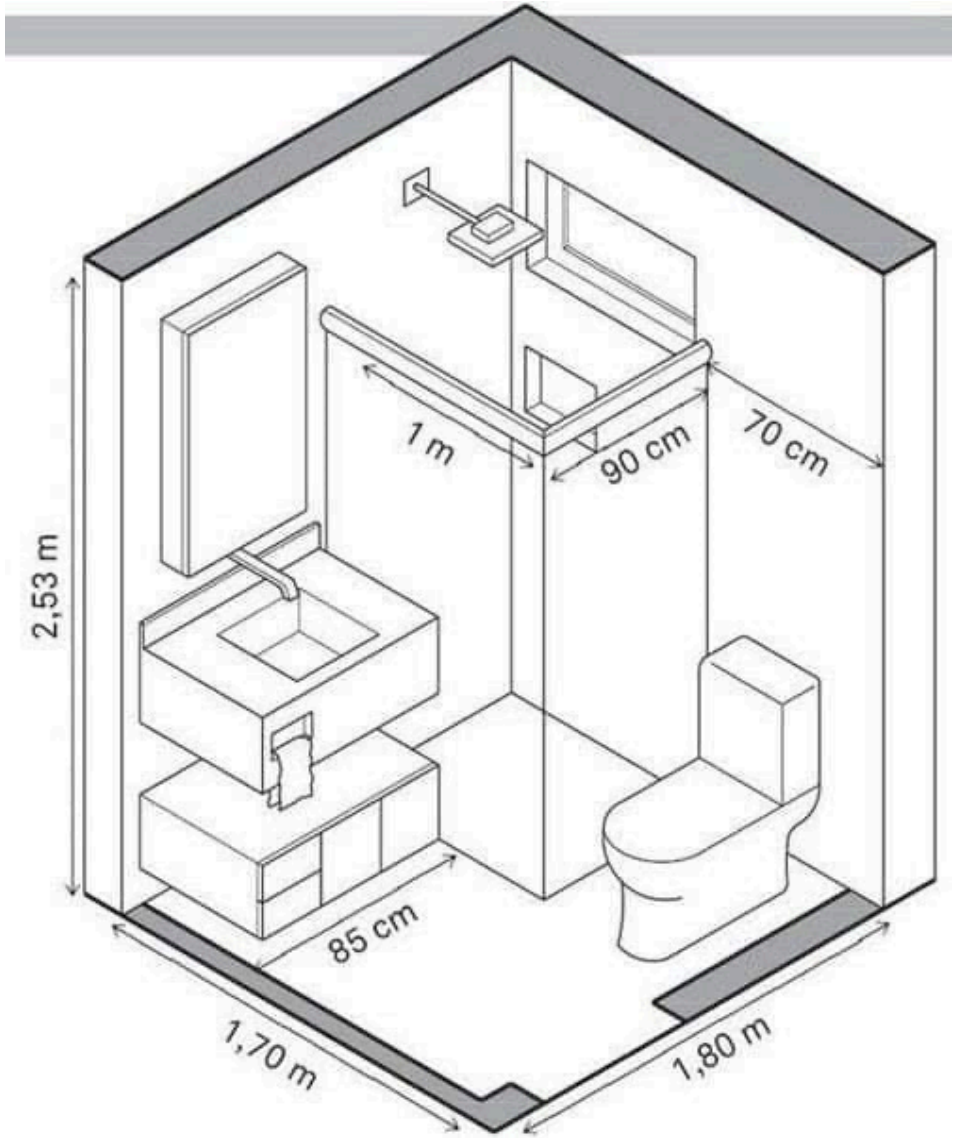


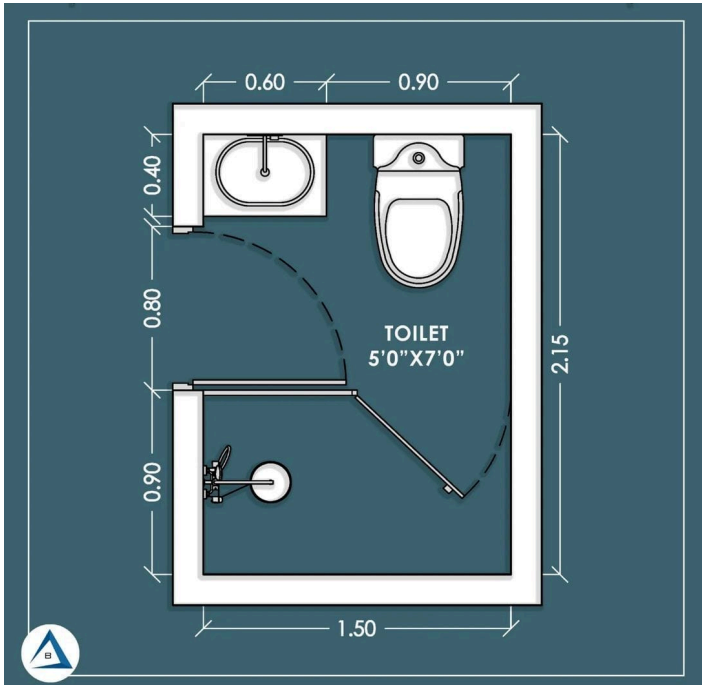
DESENHO MAIS DETALHADO DE UMA ESCADA HELICOIDAL. O CORRIMÃO INTERNO FOI ELIMINADO PARA MAIOR CLAREZA DO DESENHO.

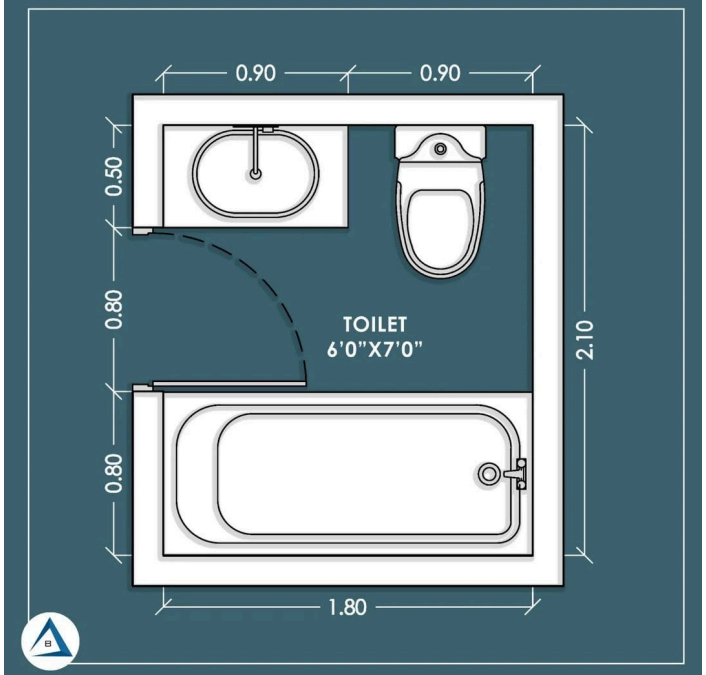


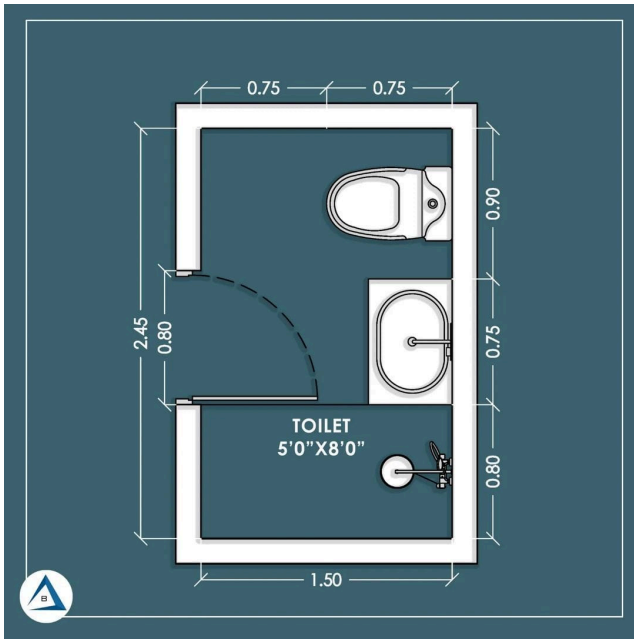

К1
Центральная
ось лестницы
+3.400
100
220
170
К1
К2
170x20=3400
220
100
0.000
430
1515
1515
430
3030

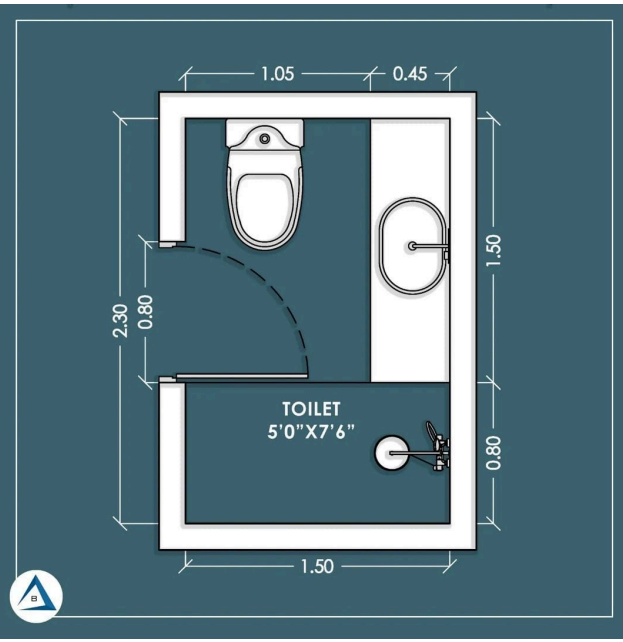


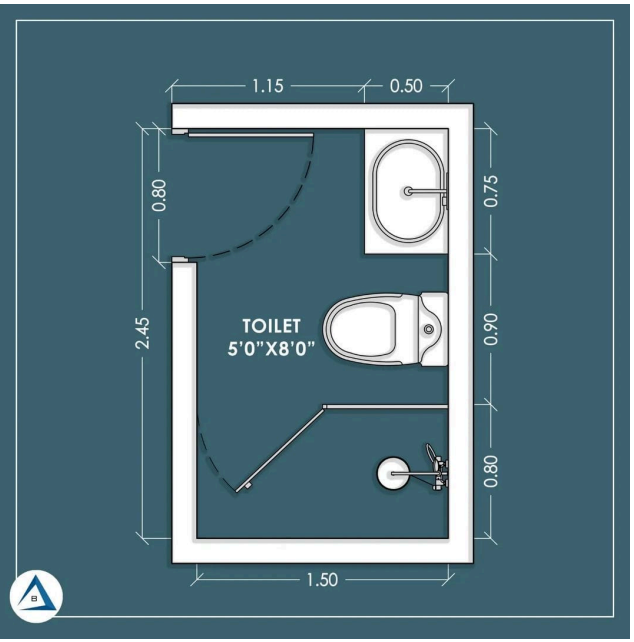

2,53 m
1 m
90 cm
70 cm
85 cm
1,70 m
1,80 m

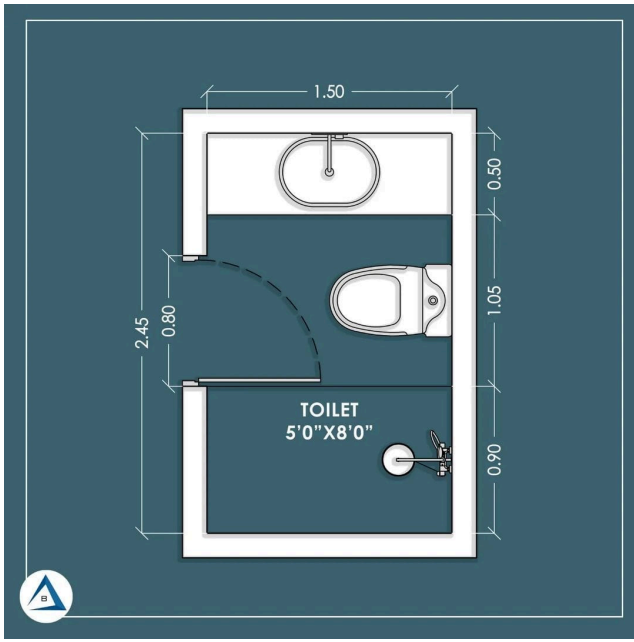

0.60
0.90
0.40
0.80
TOILET
5'0"X7'0"
2.15
0.90
1.50

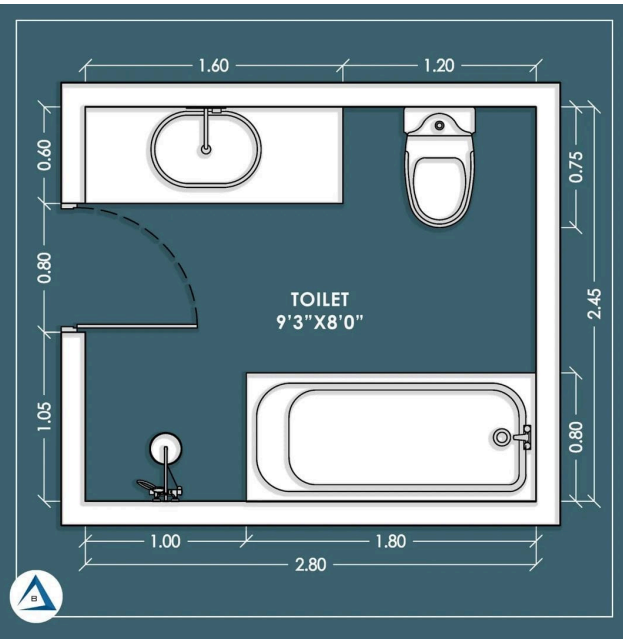

0.90
0.90
0.50
0.80
TOILET
6'0"X7'0"
2.10
0.80
1.80

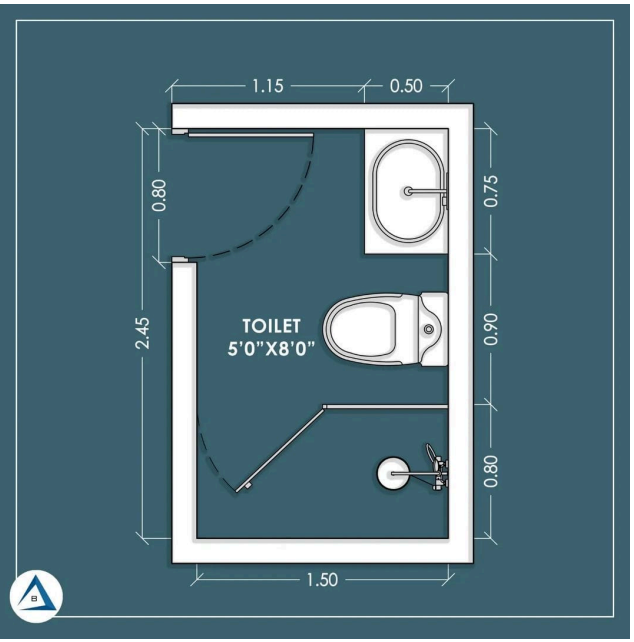

0.75
0.75
0.90
0.75
0.80
2.45
0.80
TOILET
5'0"X8'0"
1.50

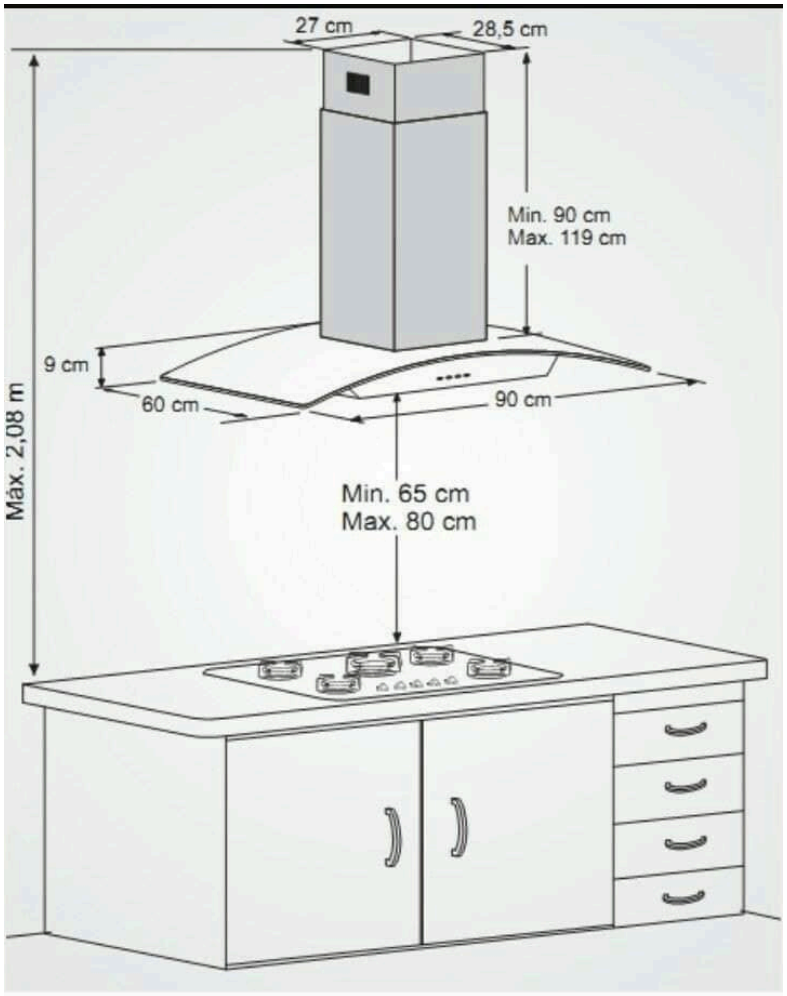

1.05
0.45
1.50
2.30
0.80
TOILET
5'0"X7'6"
0.80
1.50

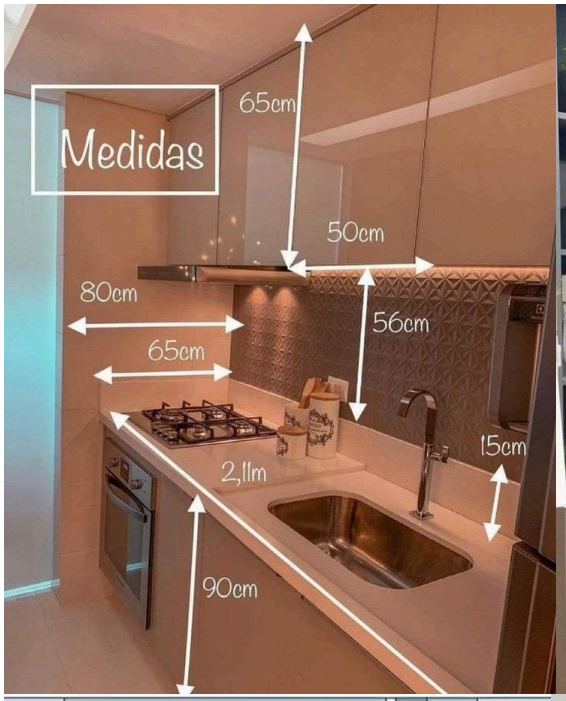

1.15
0.50
0.80
0.75
2.45
TOILET
5'0"X8'0"
0.90
0.80
1.50

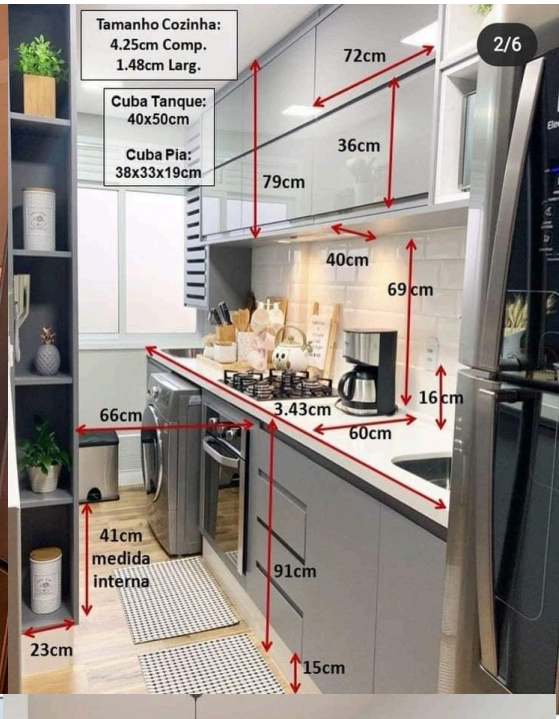

1.50
0.50
2.45
0.80
1.05
TOILET
5'0"X8'0"
0.90

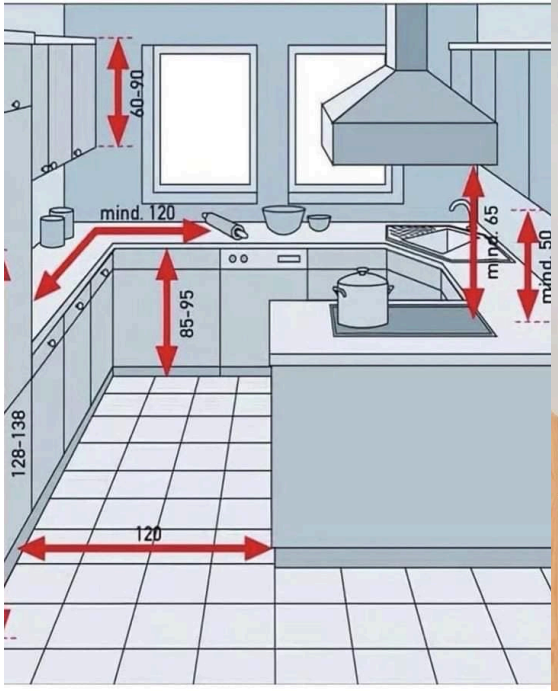

1.60
1.20
0.60
0.75
0.80
TOILET
9'3"X8'0"
2.45
1.05
0.80
1.00
1.80
2.80


1.15
0.50
0.80
0.75
2.45
TOILET
5'0"X8'0"
0.90
0.80
1.50

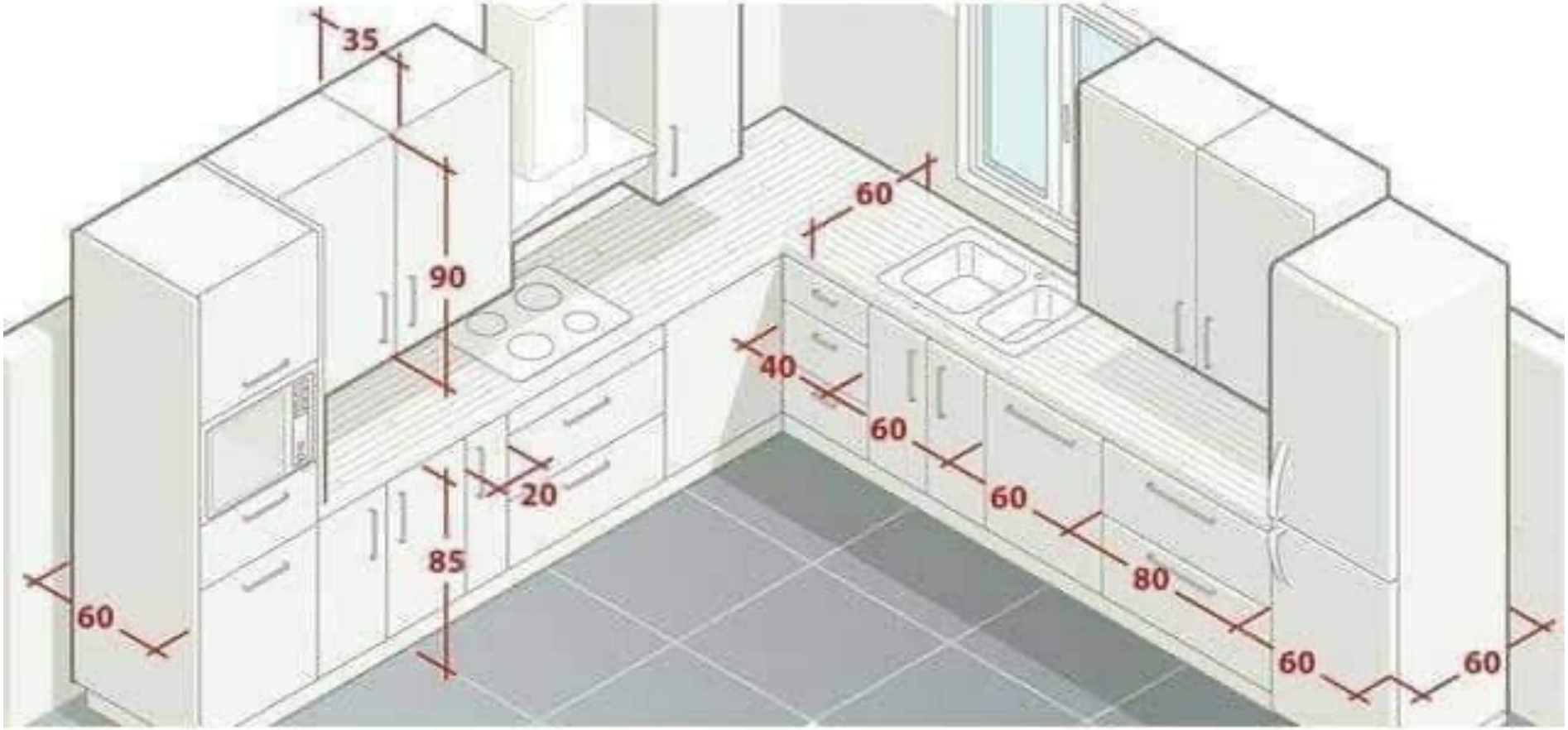

27 cm
28,5 cm
Min. 90 cm
Max. 119 cm
9 cm
60 cm
90 cm
Max. 2,08 m
Min. 65 cm
Max. 80 cm

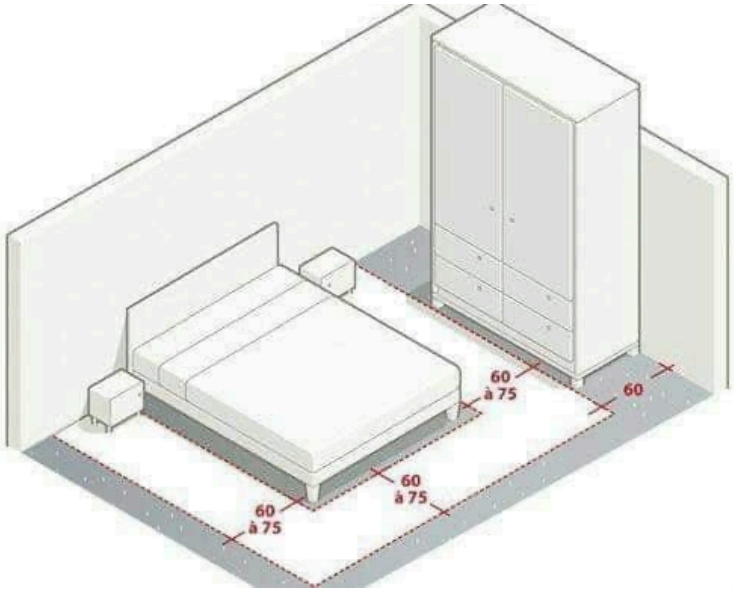

Medidas
65cm
50cm
80cm
56cm
65cm
15cm
2,11m
90cm

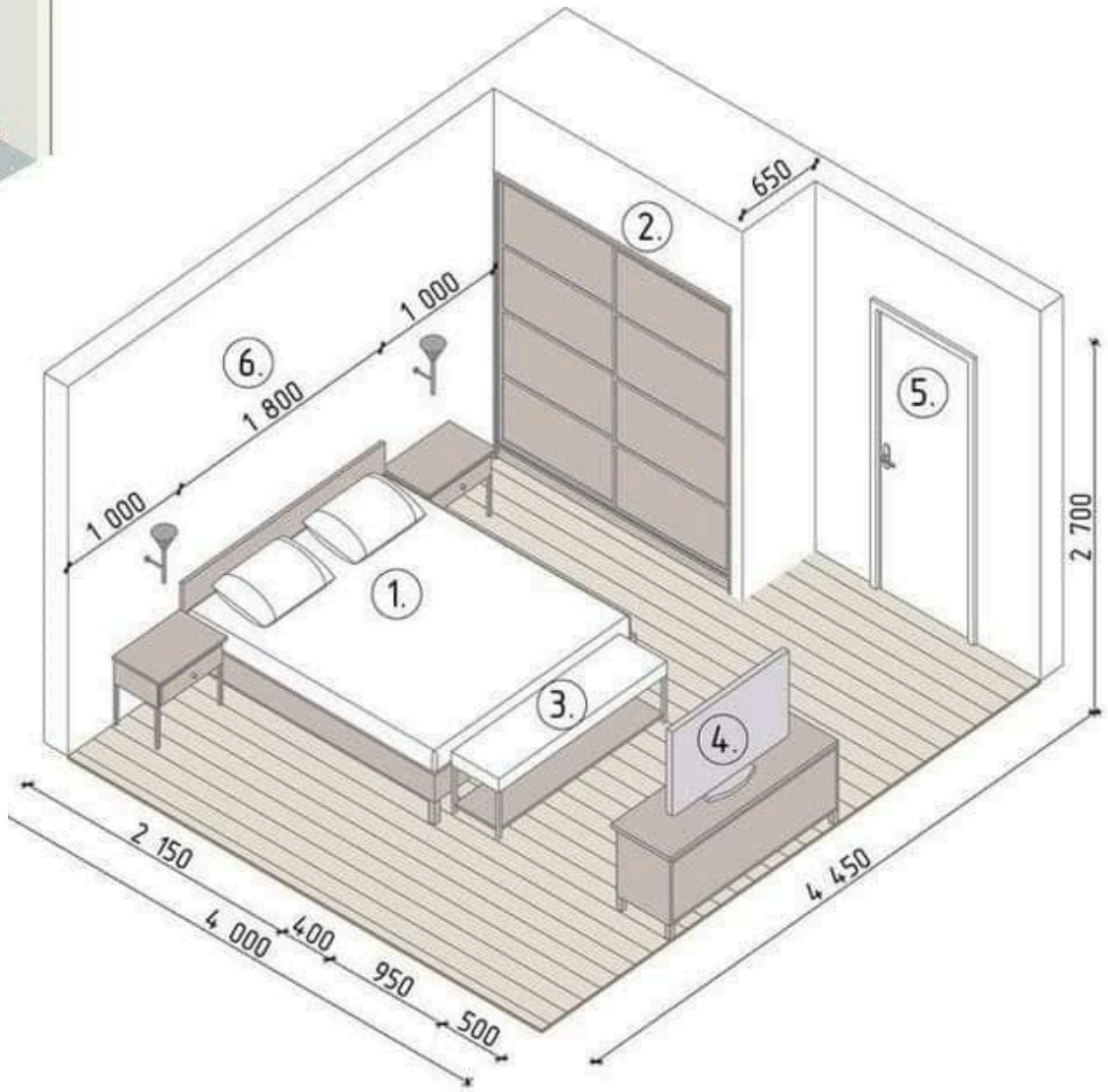

Tamanho Cozinha:
4.25cm Comp.
1.48cm Larg.
Cuba Tanque:
40x50cm
Cuba Pia:
38x33x19cm
2/6
72cm
36cm
79cm
40cm
69 cm
16 cm
3.43cm
66cm
60cm
41cm
medida
interna
91cm
23cm
15cm

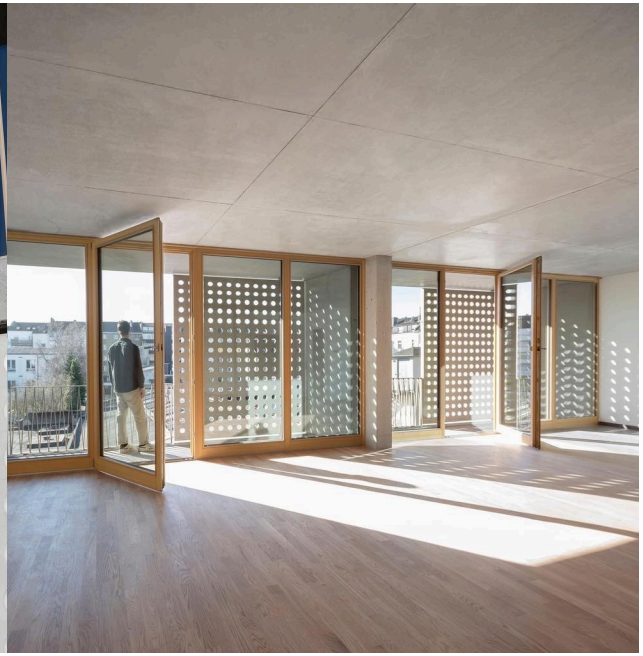

60-90
mind. 120
mind. 65
mind. 50
85-95
128-138
120

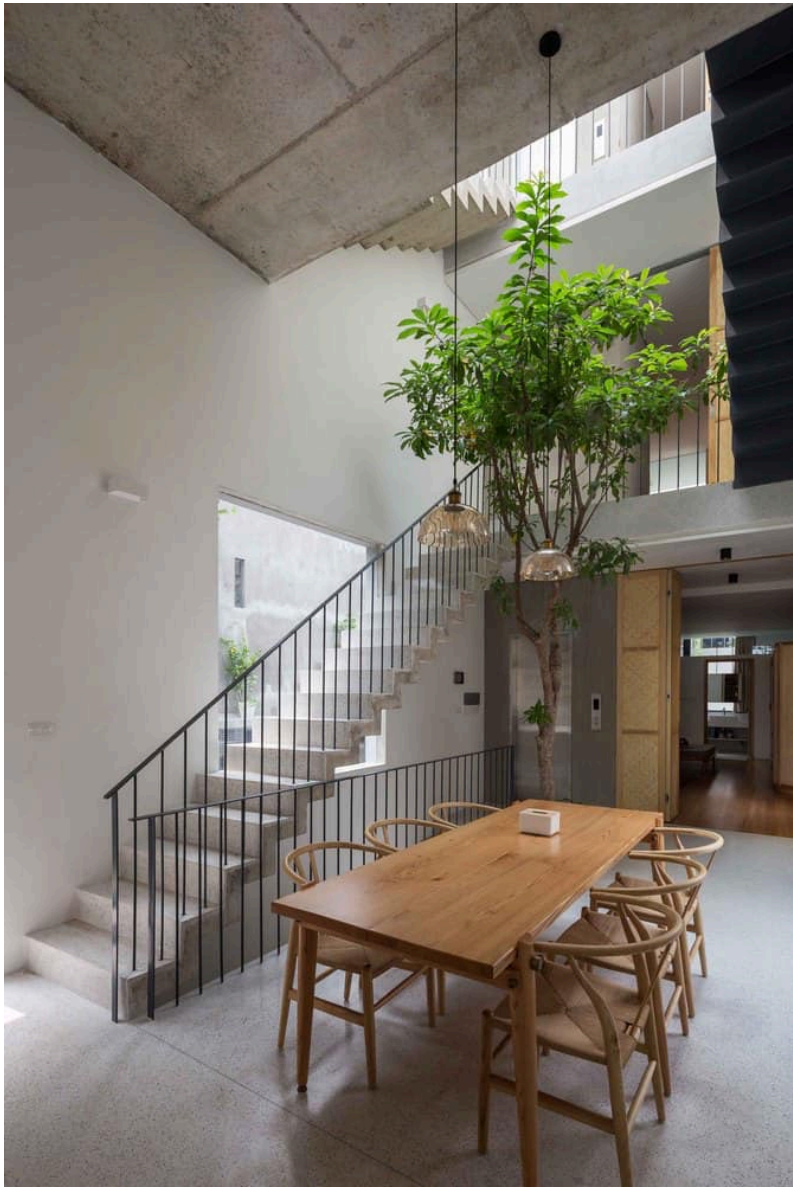

80 cm
60 cm
57 cm
60 cm
250 cm
90 cm

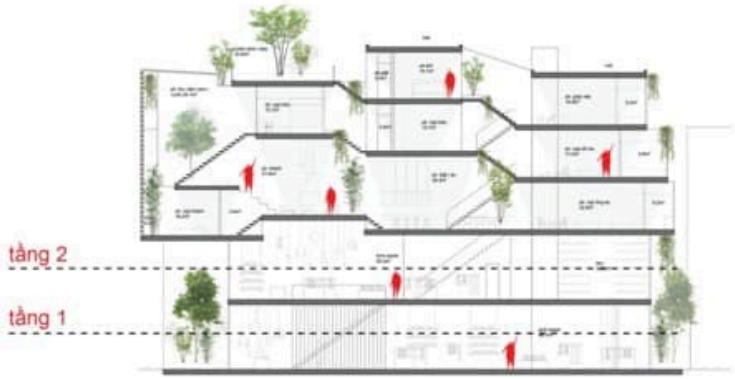

35
90
60
40
60
60
80
60
60
20
85
60

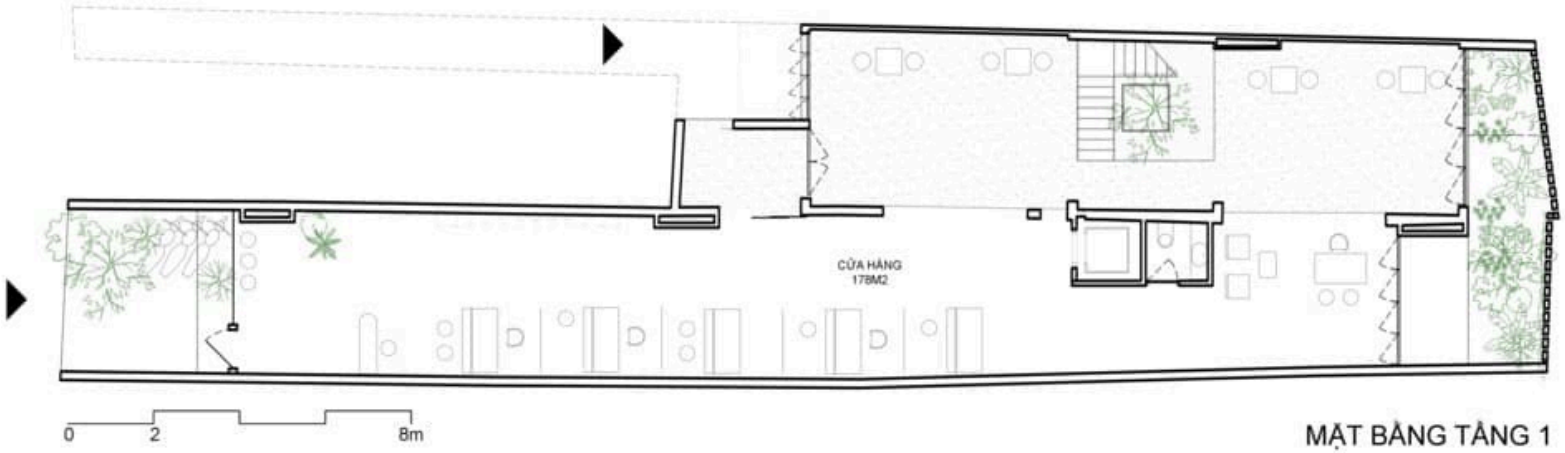

60
à 75
60
60
à 75
60
à 75
60


650
2.
1 000
6.
1 800
1 000
5.
1.
3.
4.
2 700
2 150
4 000
400
950
500
4 450

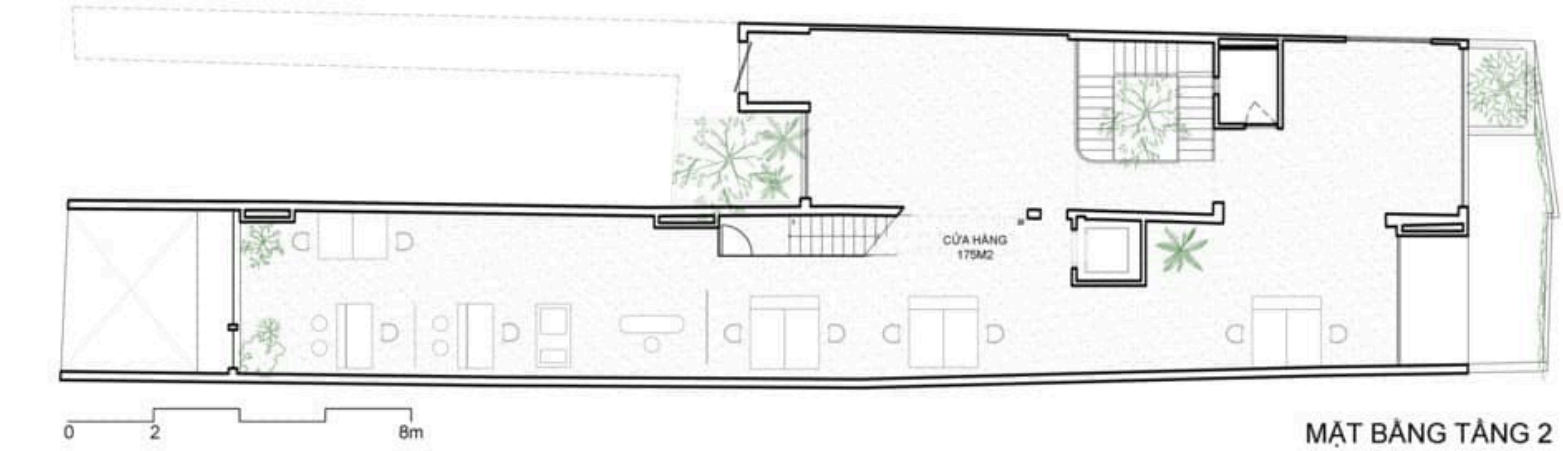




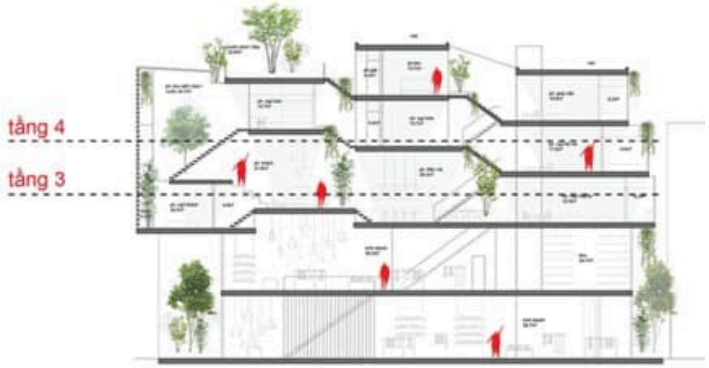


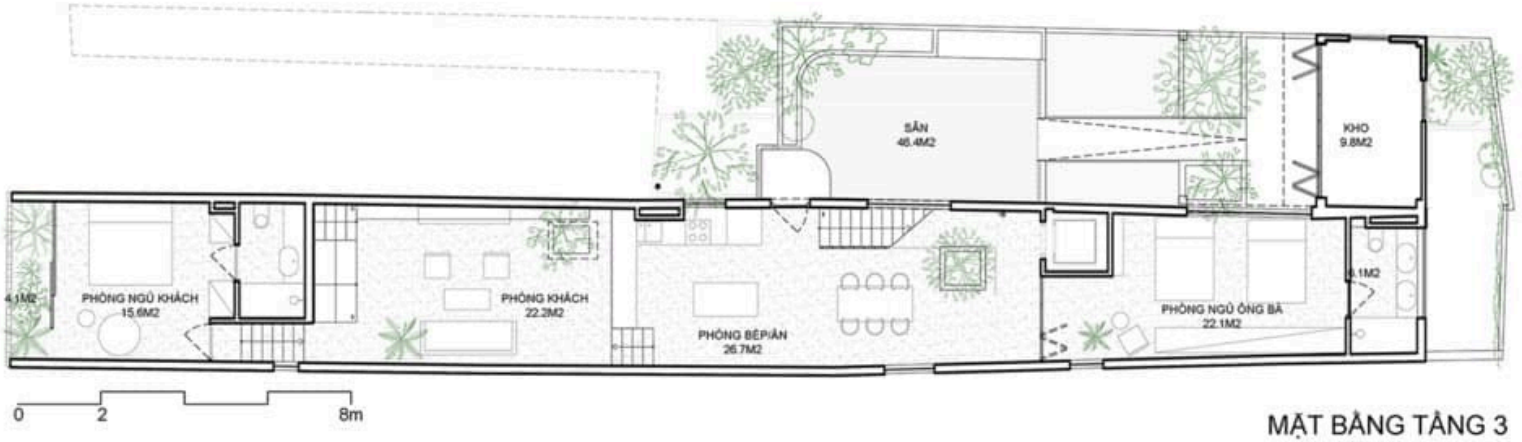


MẶT BẰNG TẦNG 1

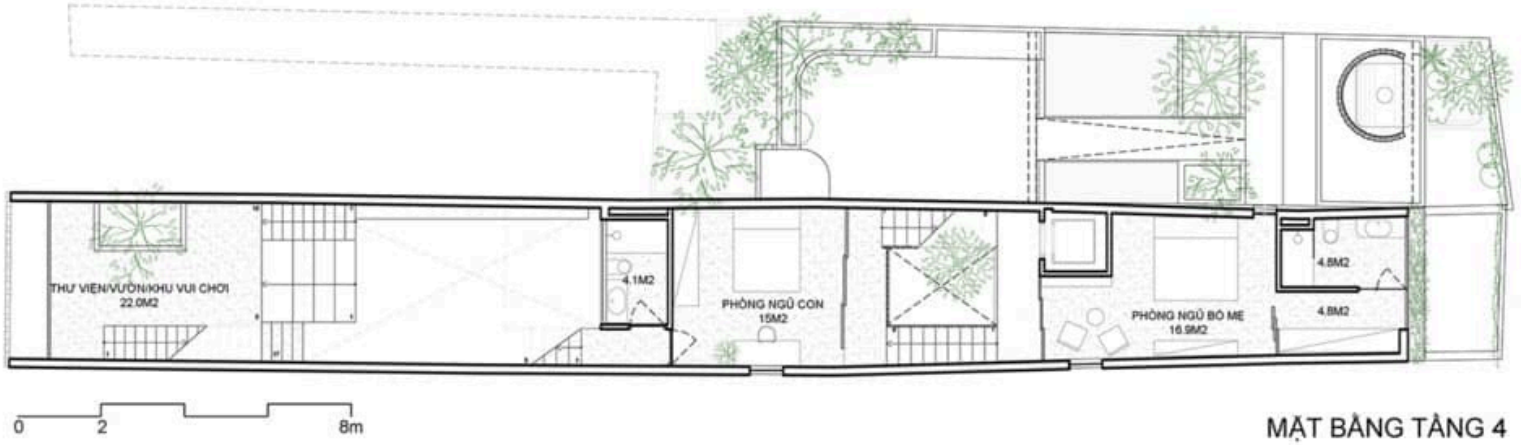


MẶT BẰNG TẦNG 2

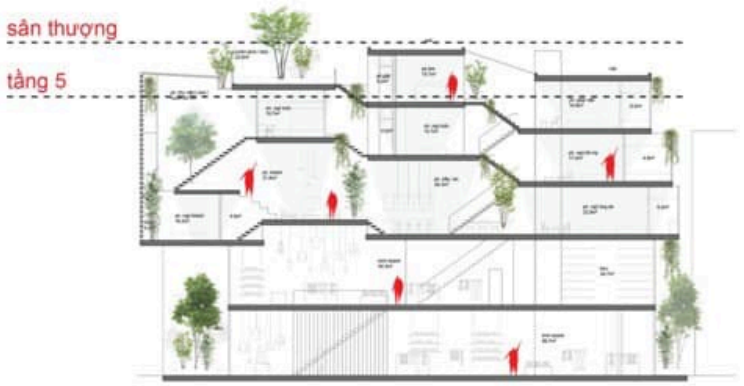




MẶT BẰNG TẦNG 3

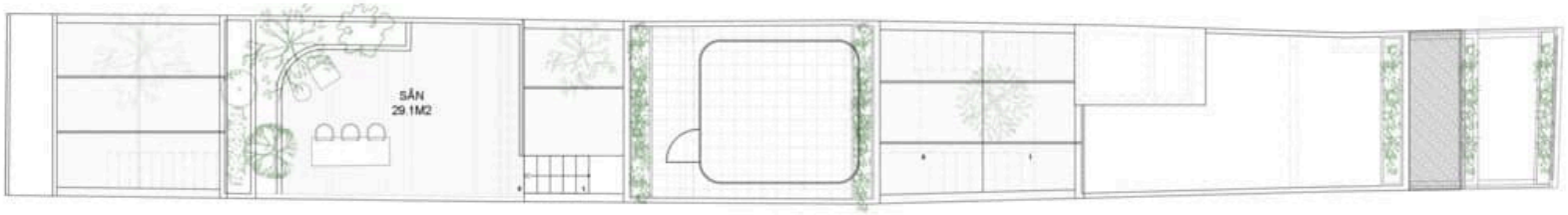


MẶT BẰNG TẦNG 4



0 2 8m

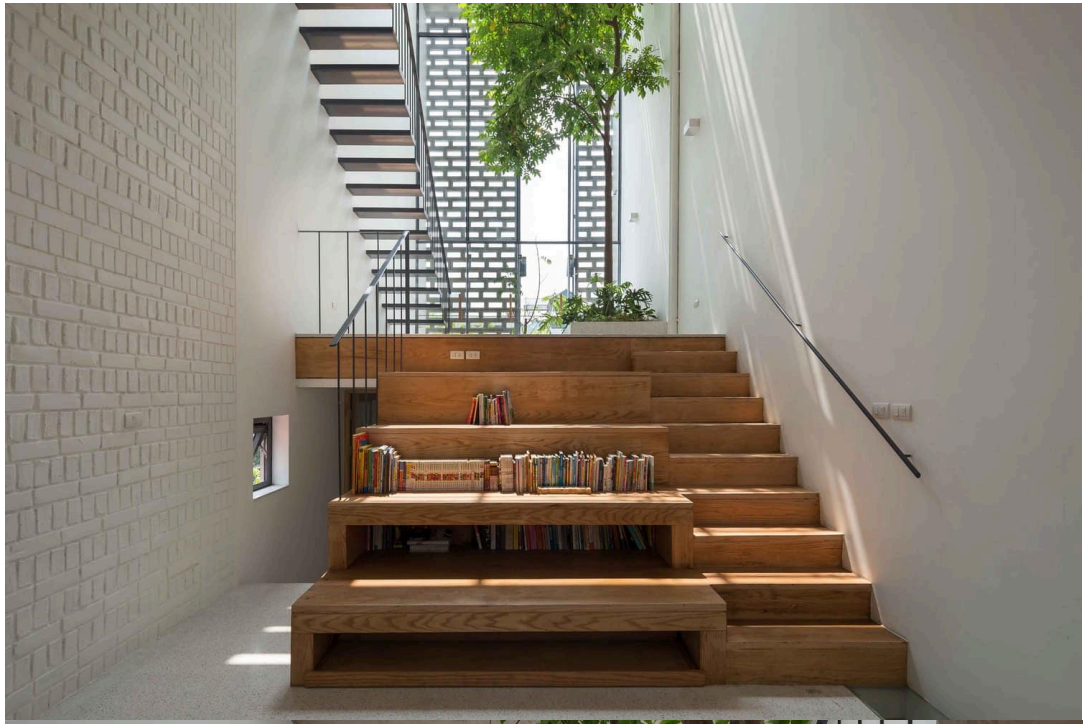
MẶT BẰNG TẦNG 5

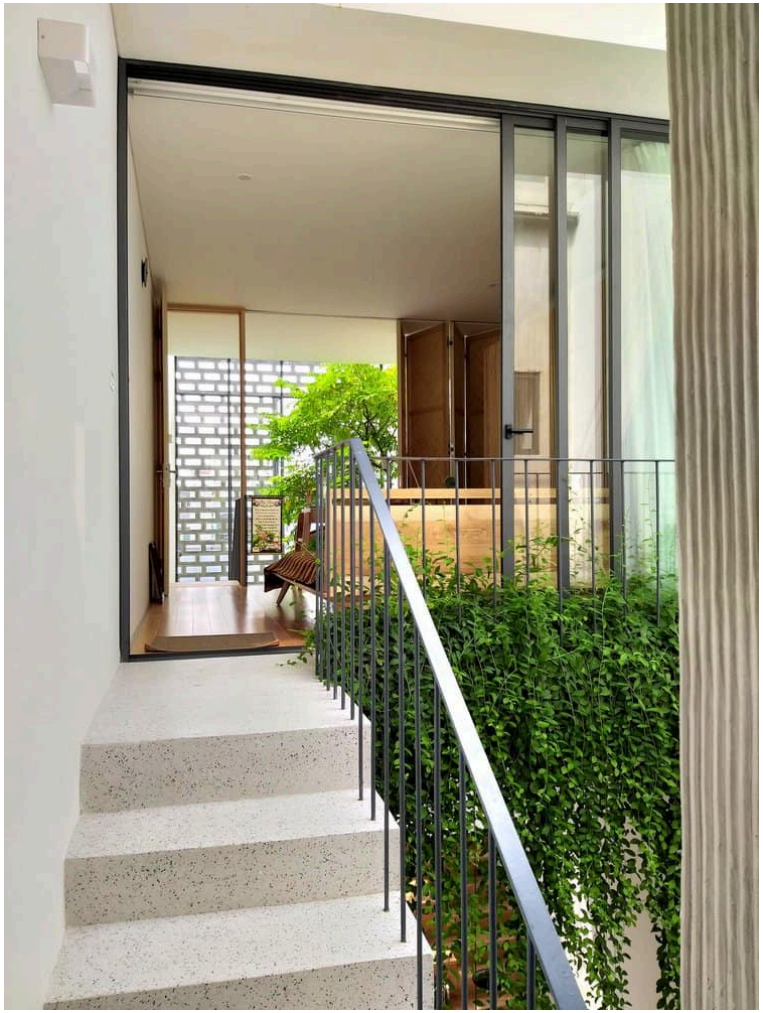


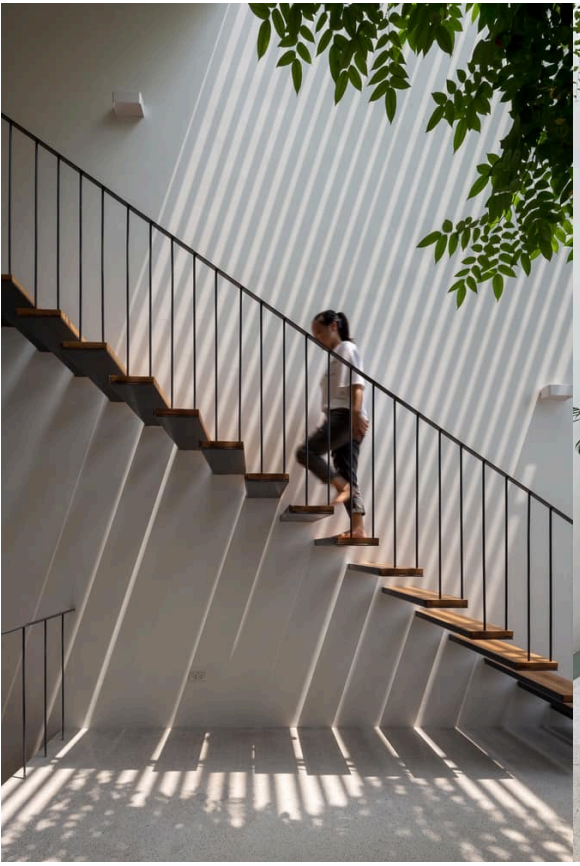
0 2 8m

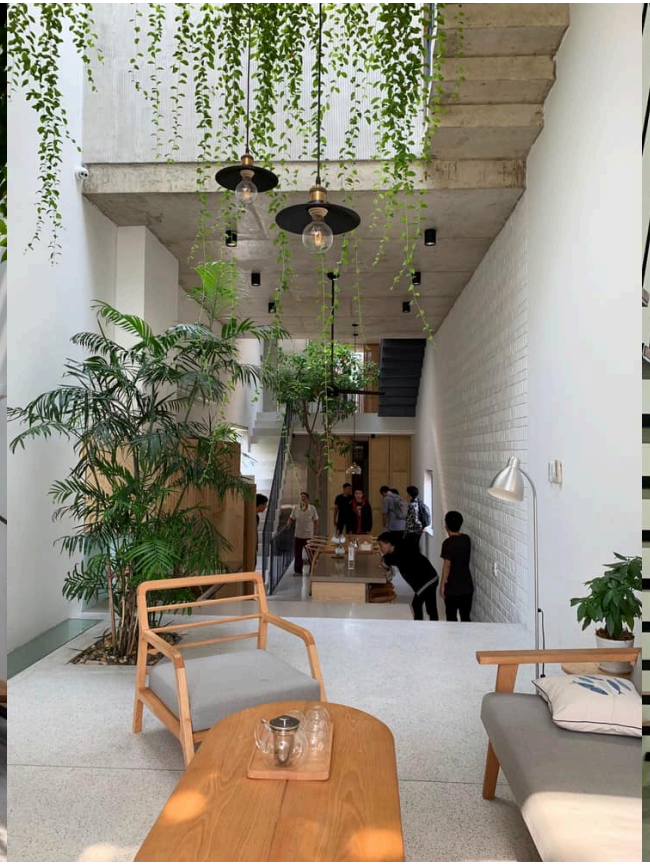
MẶT BẰNG SÂN THƯỢNG

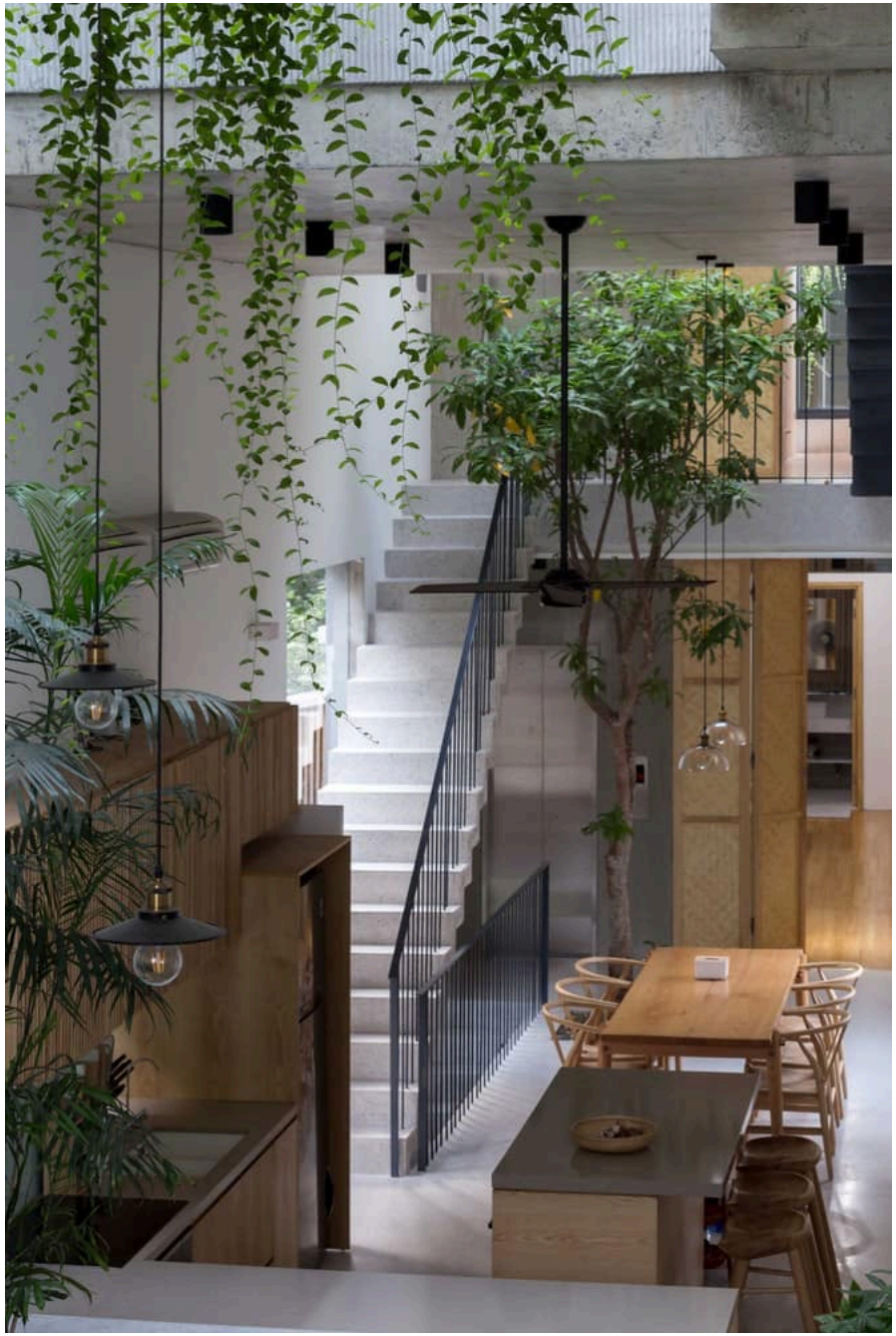

TORANO
TORANO
115 QUANG TRUNG

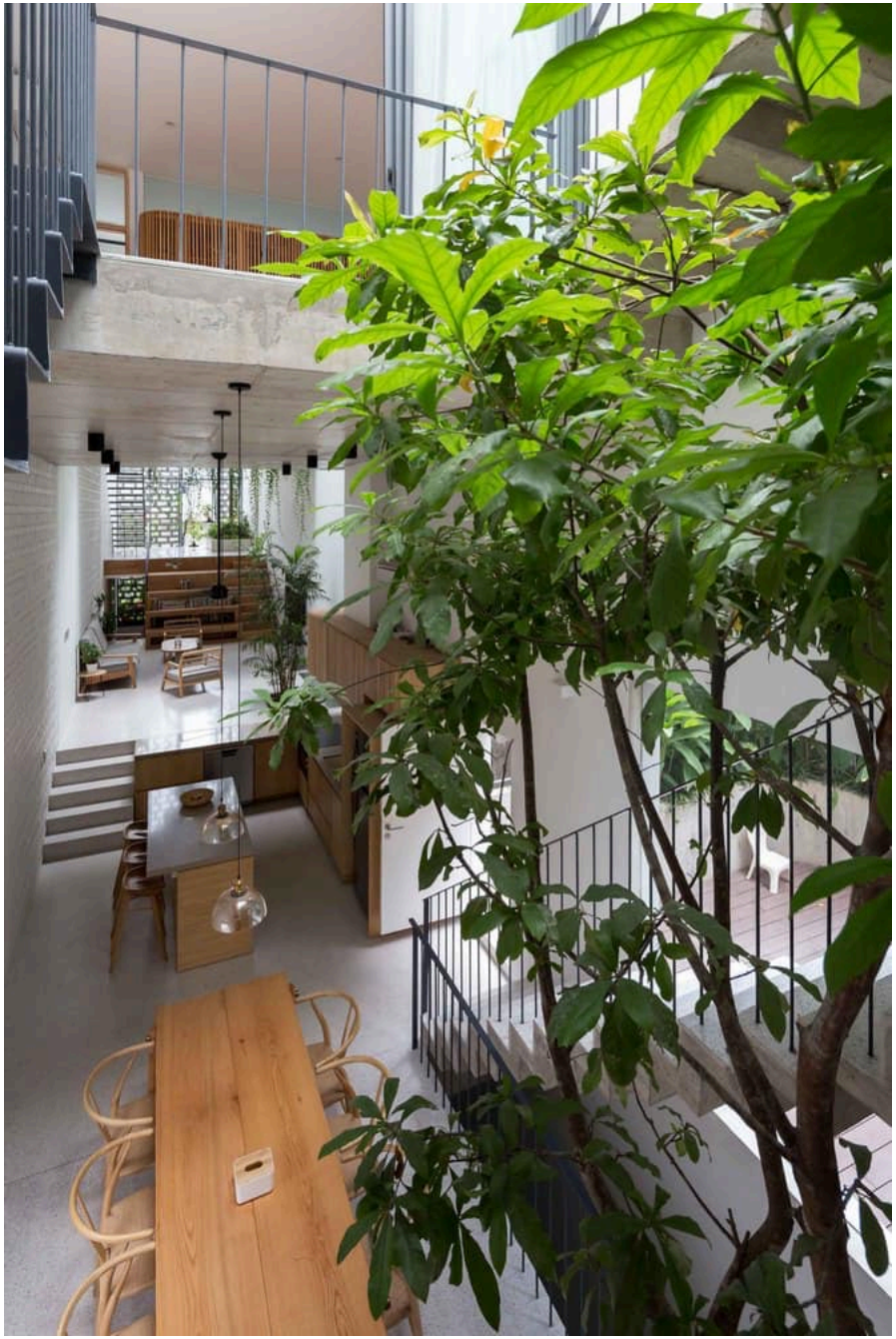


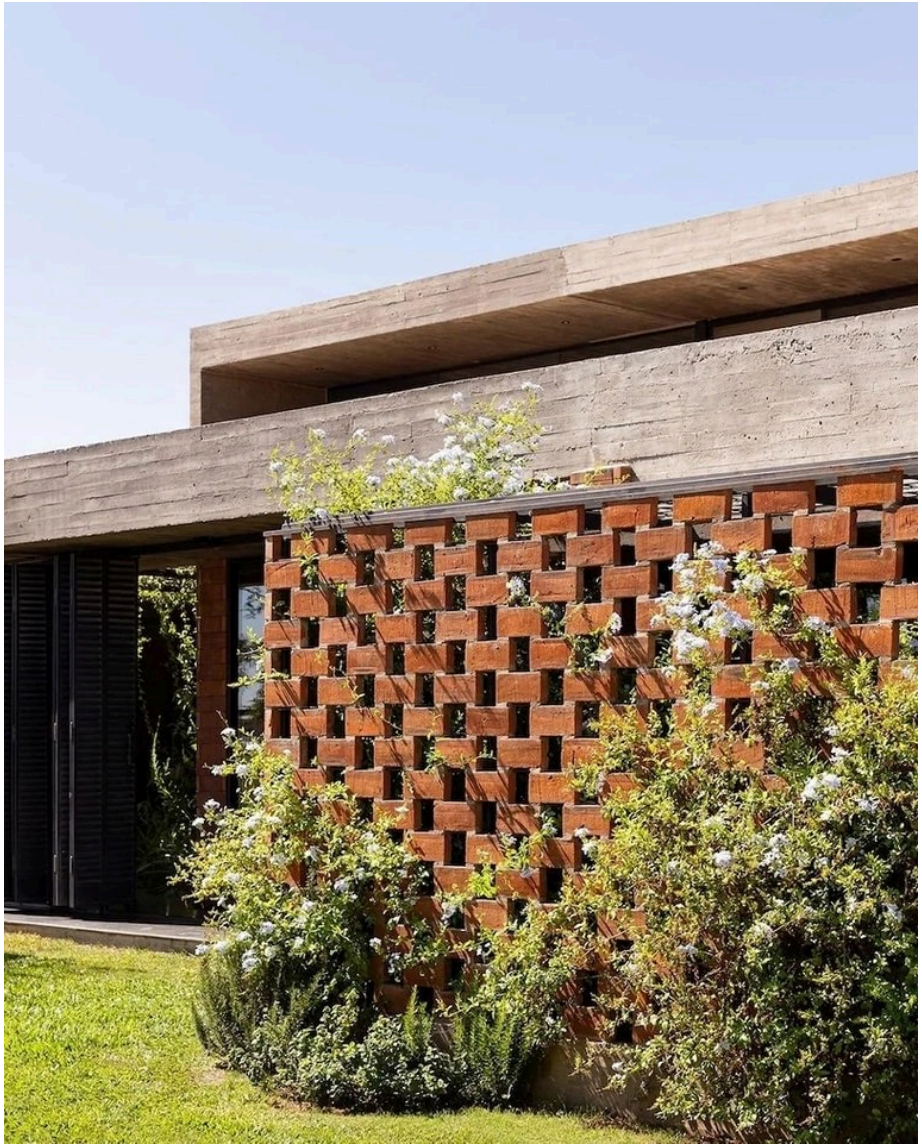


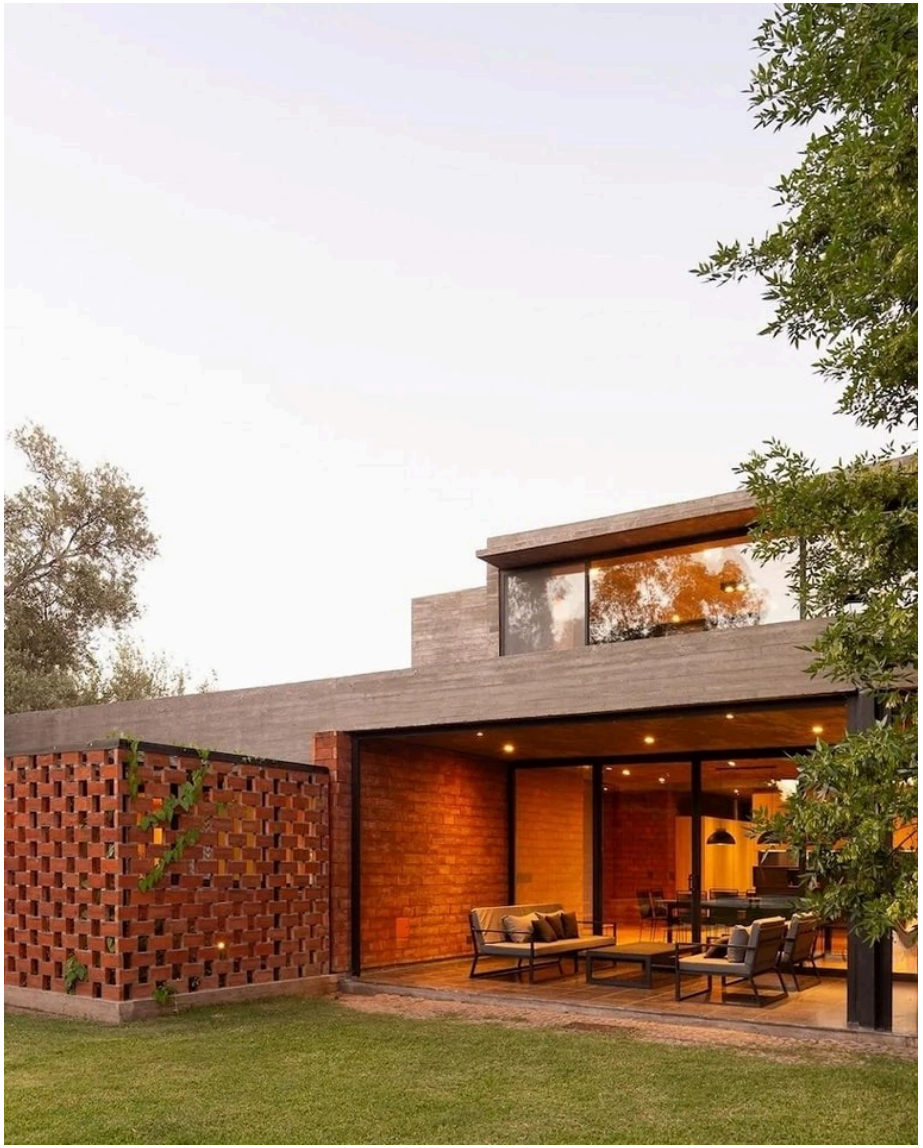










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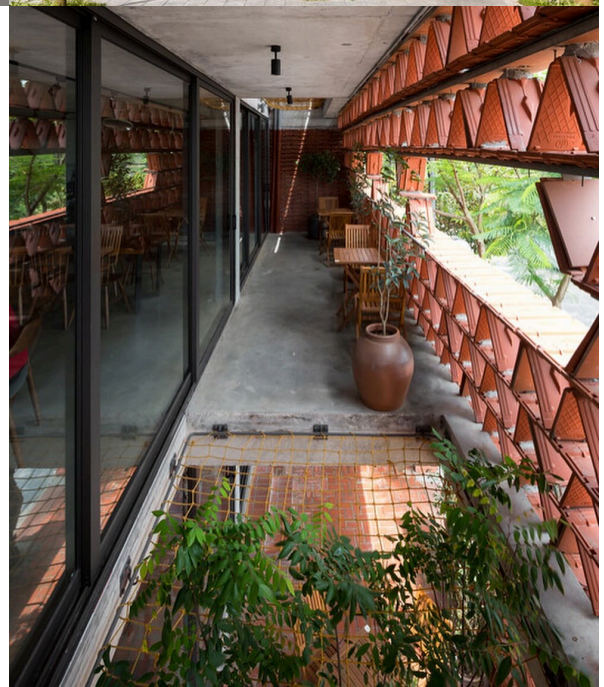
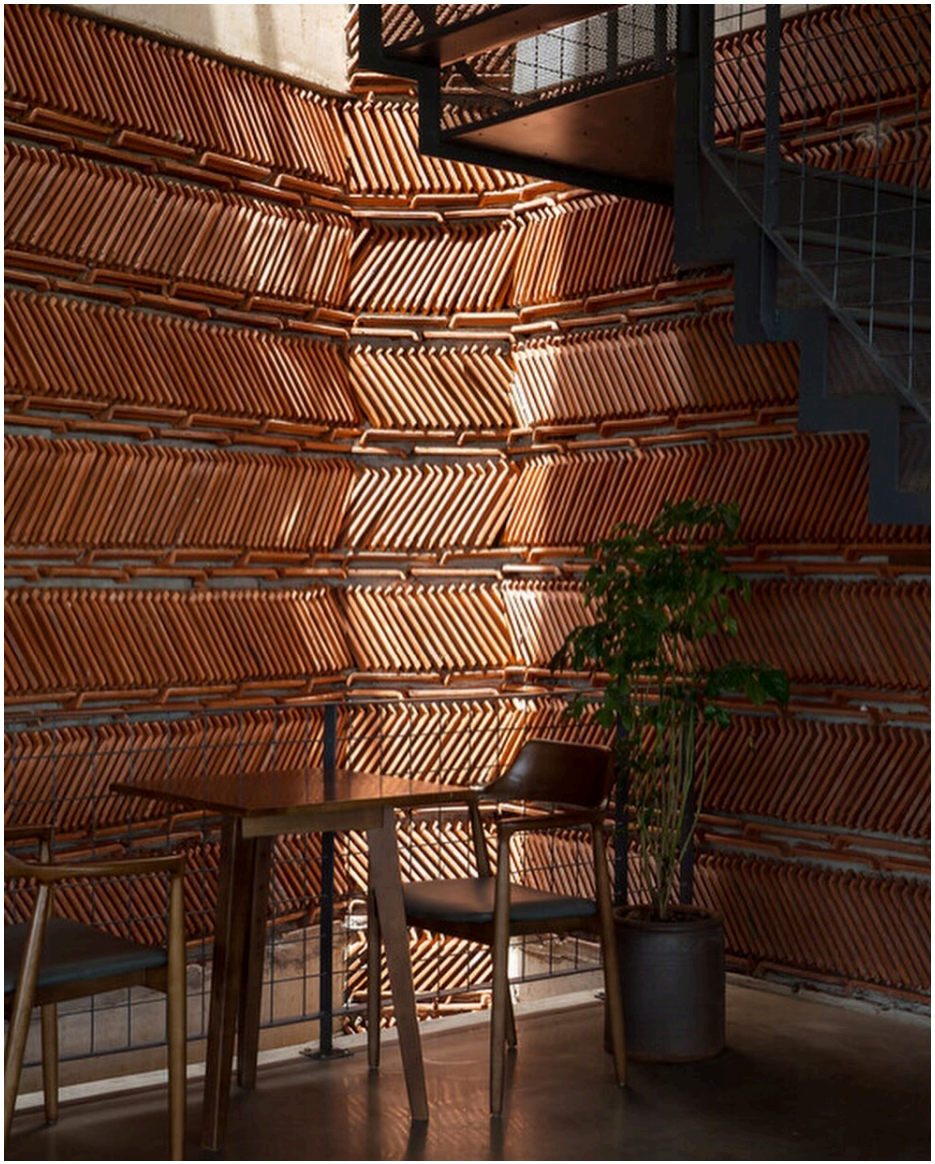
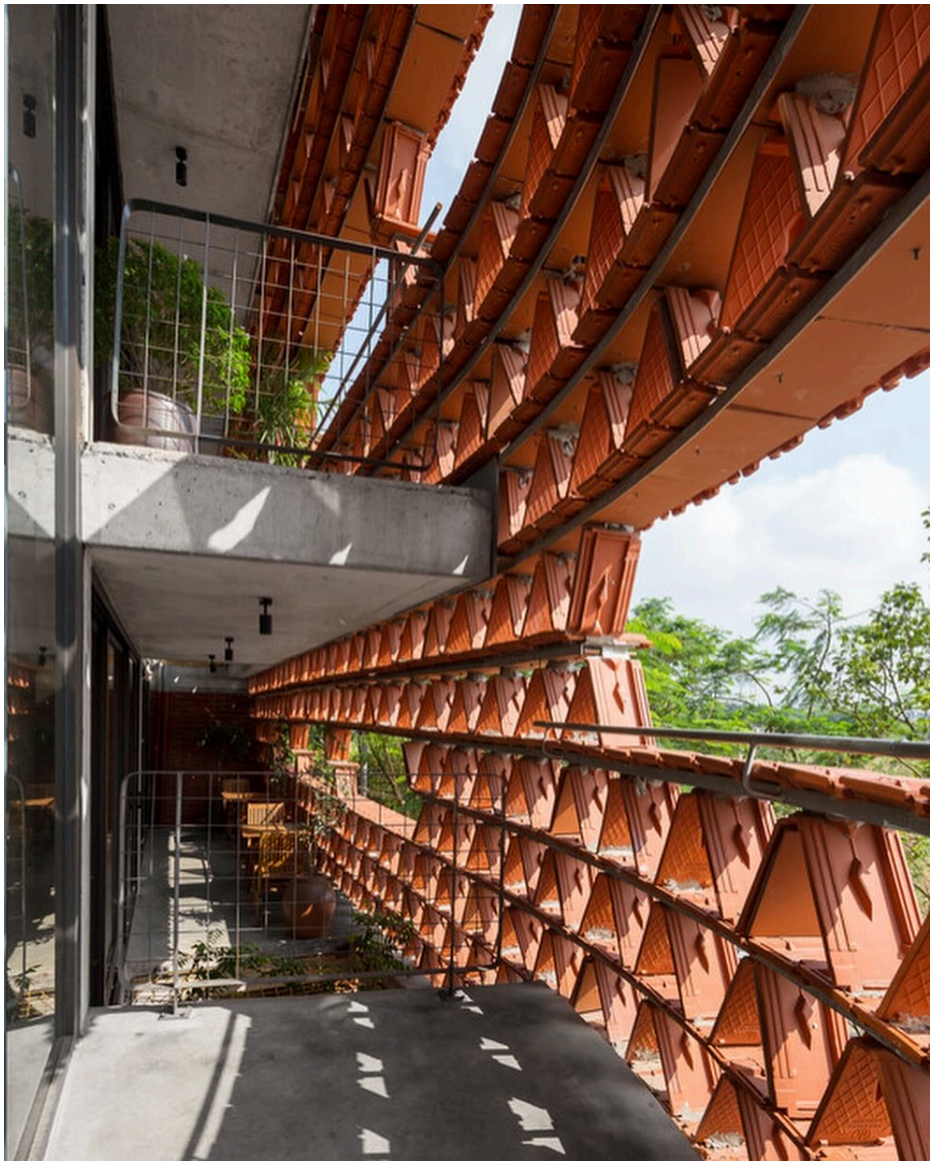
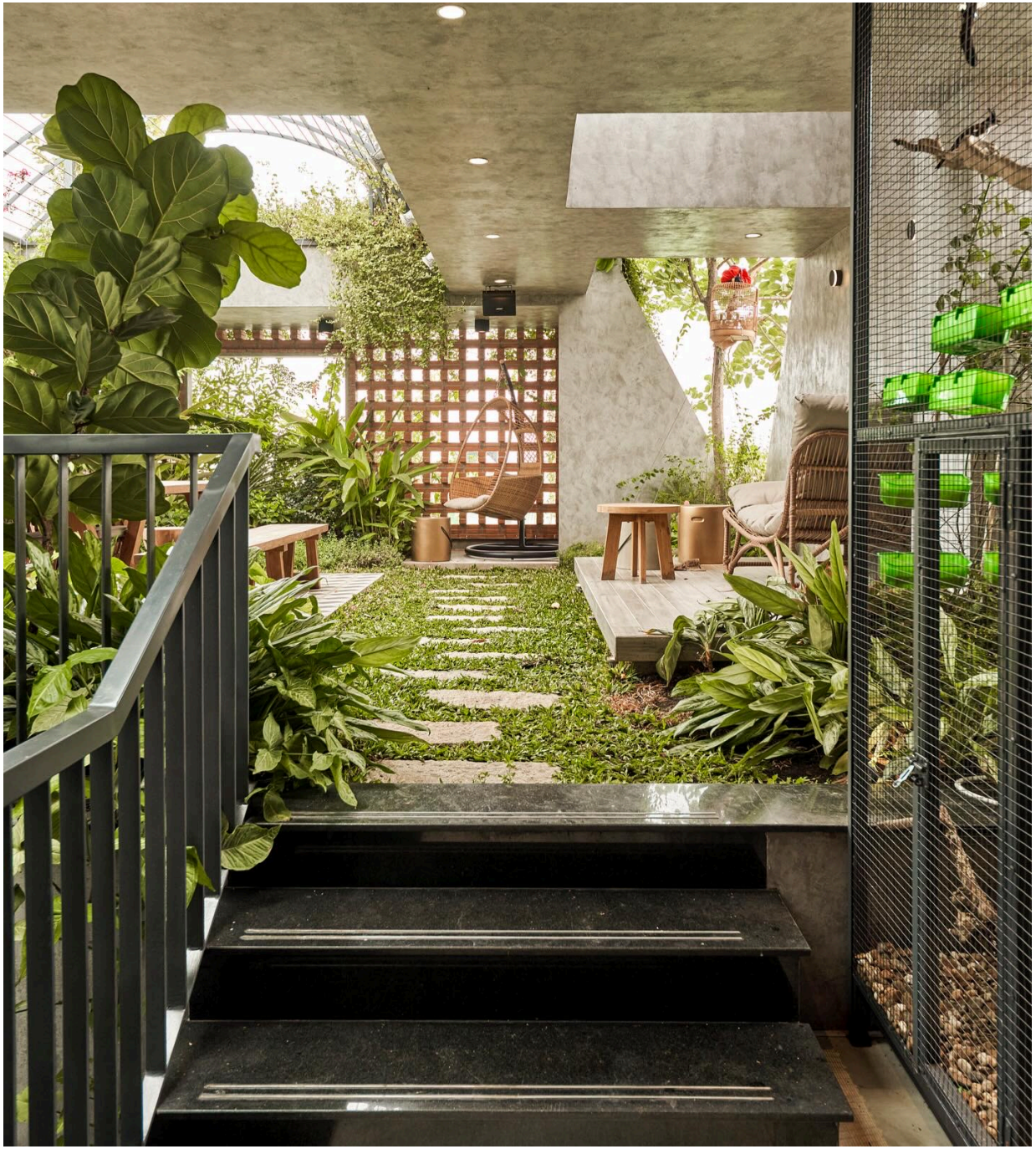
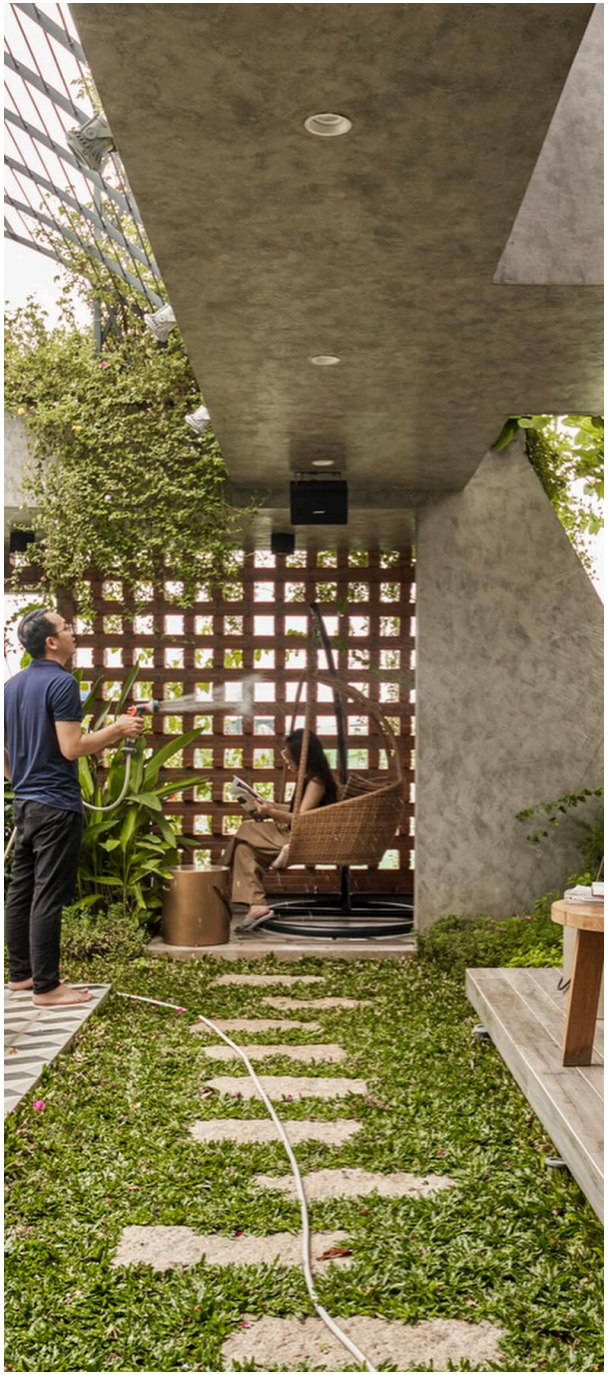


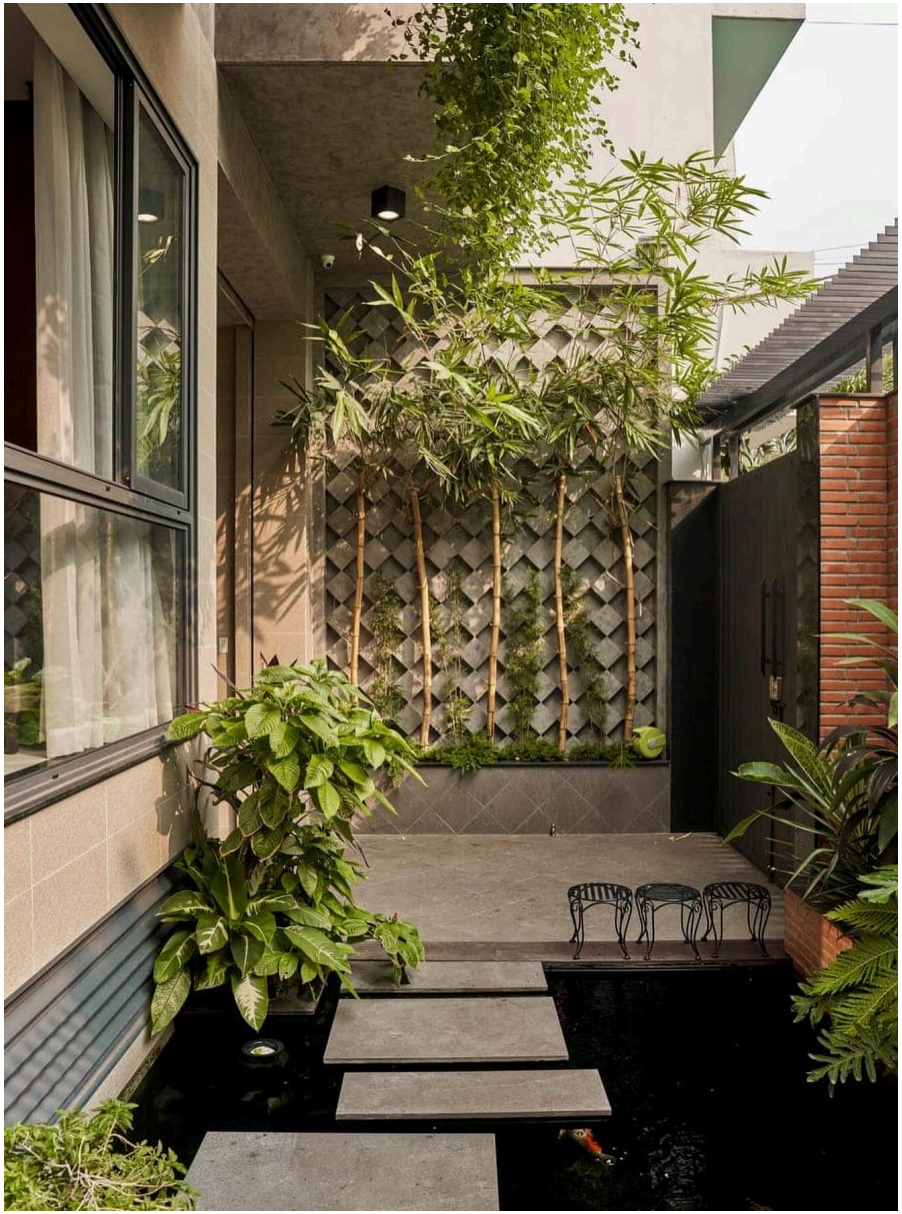





31/31/14

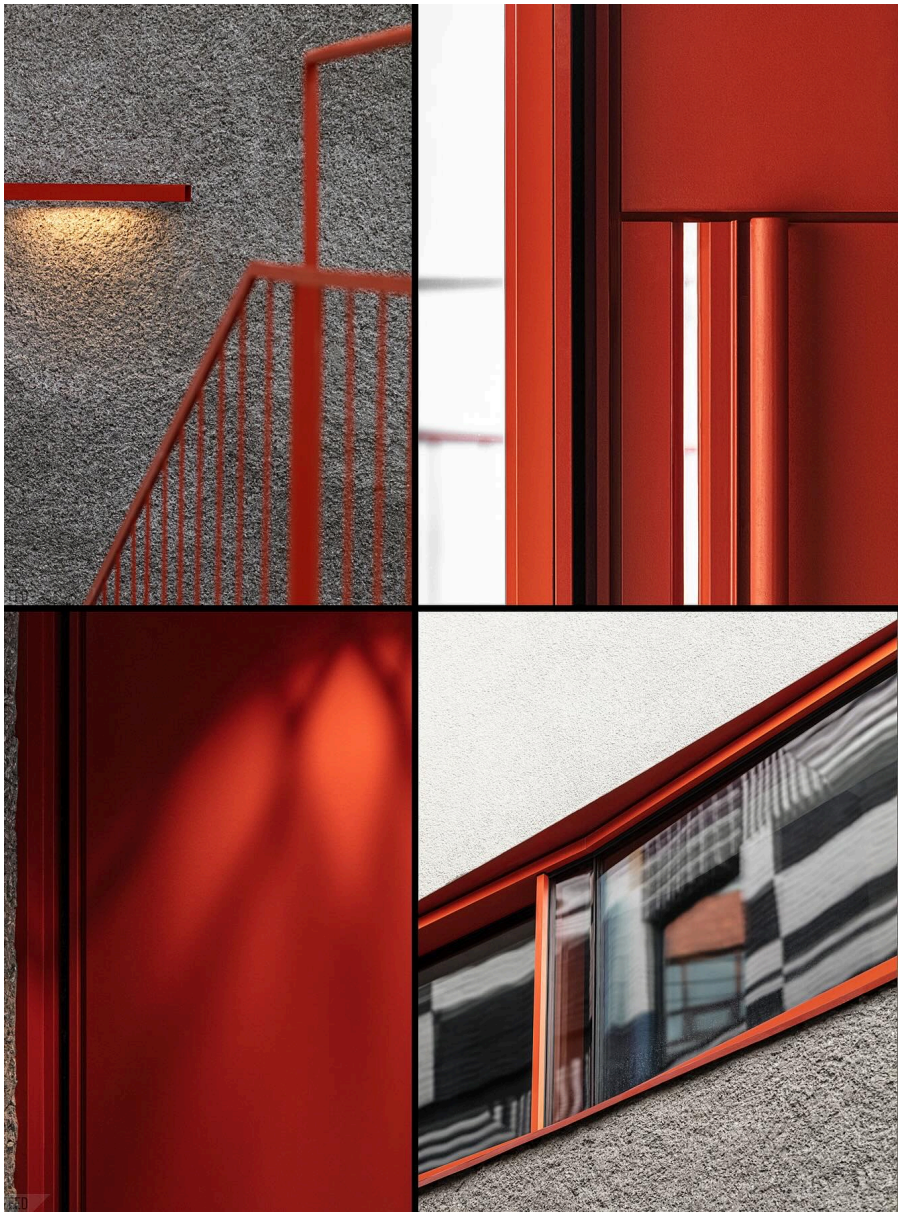


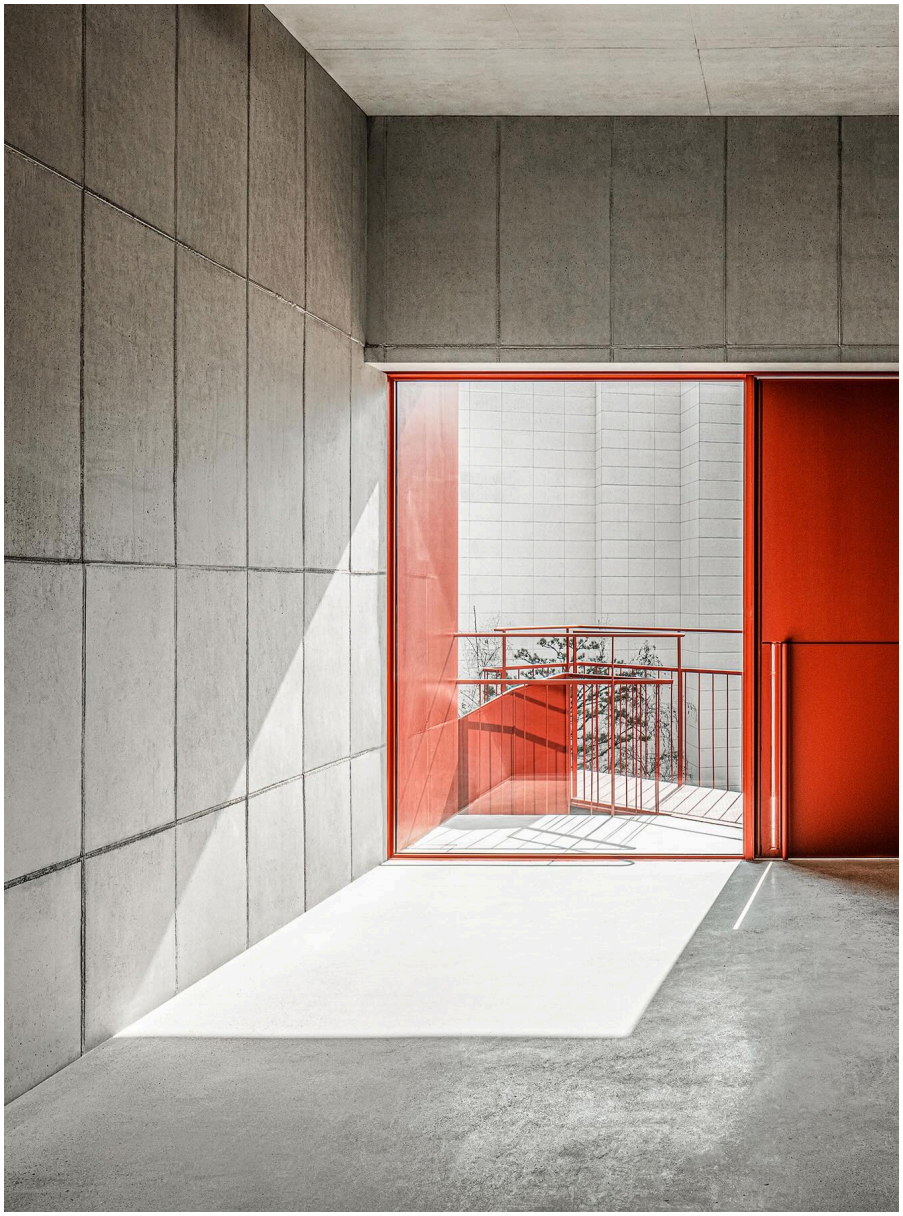


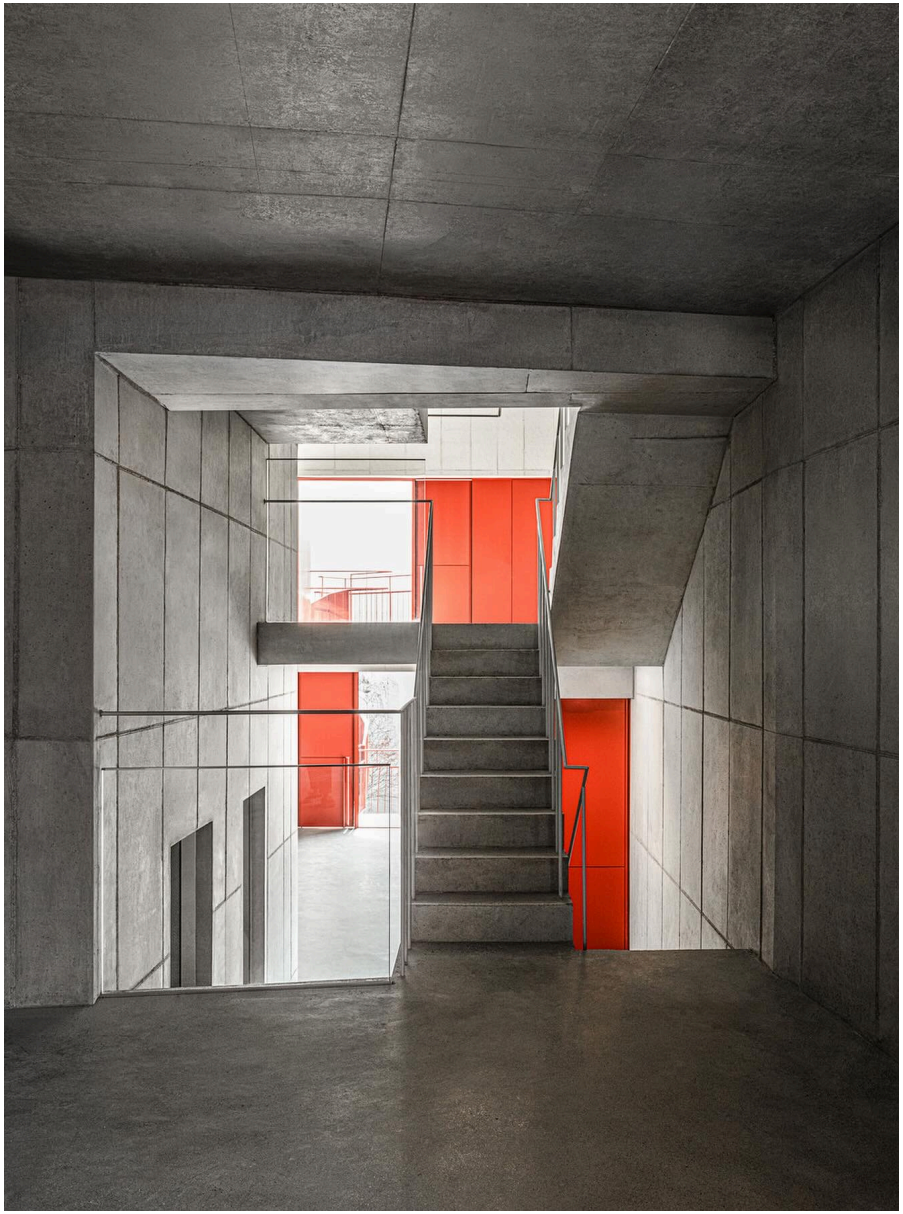


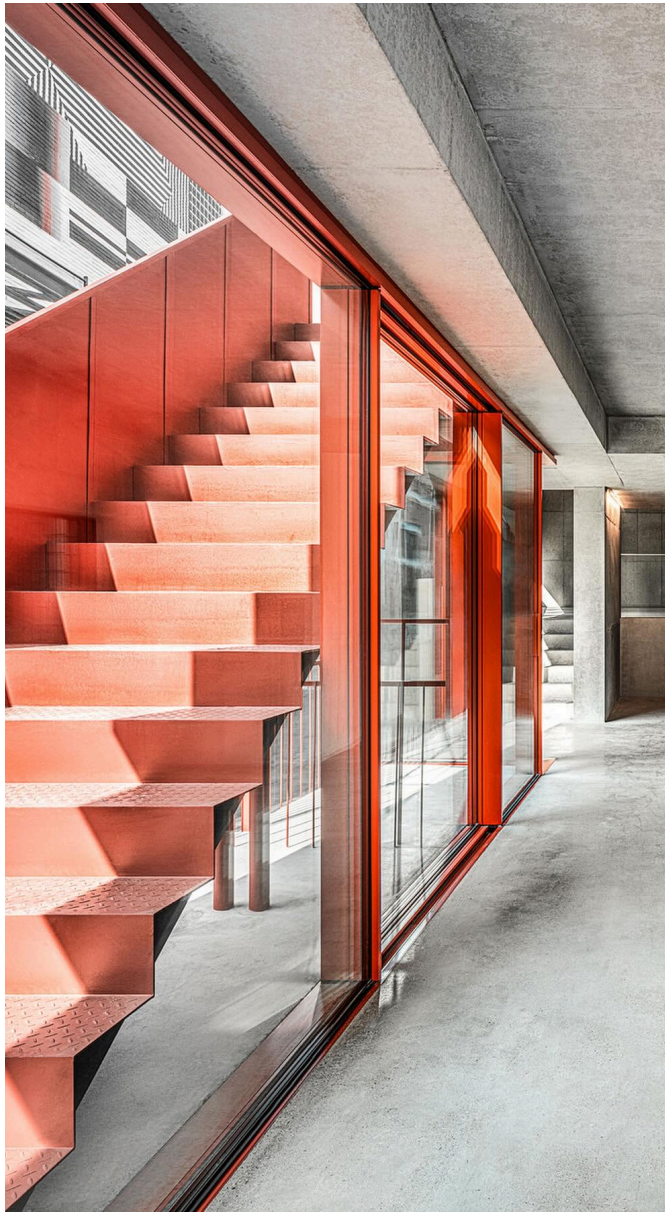

VIA @ARCHFEED

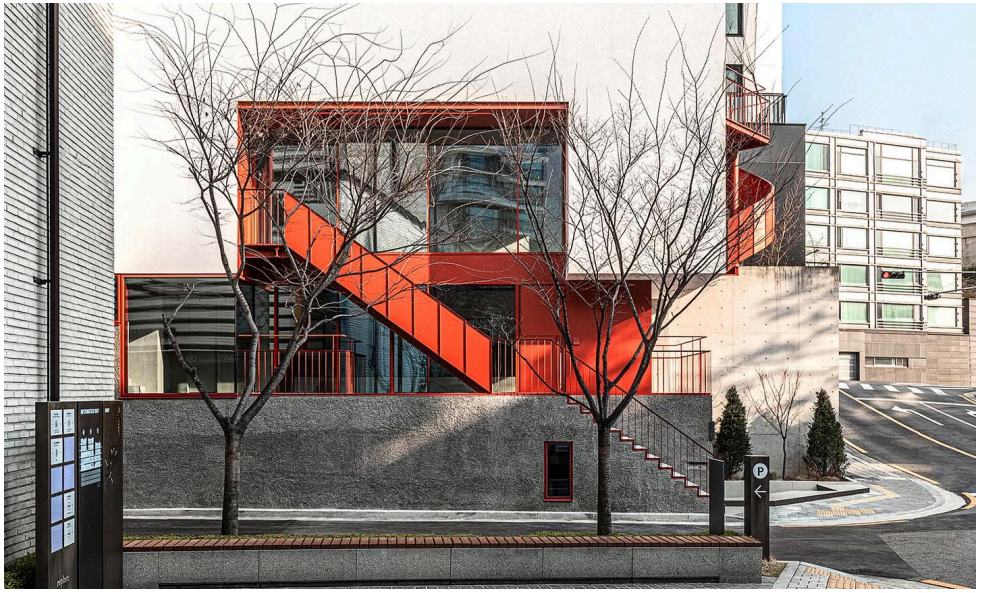

VIA @ARCHFEED

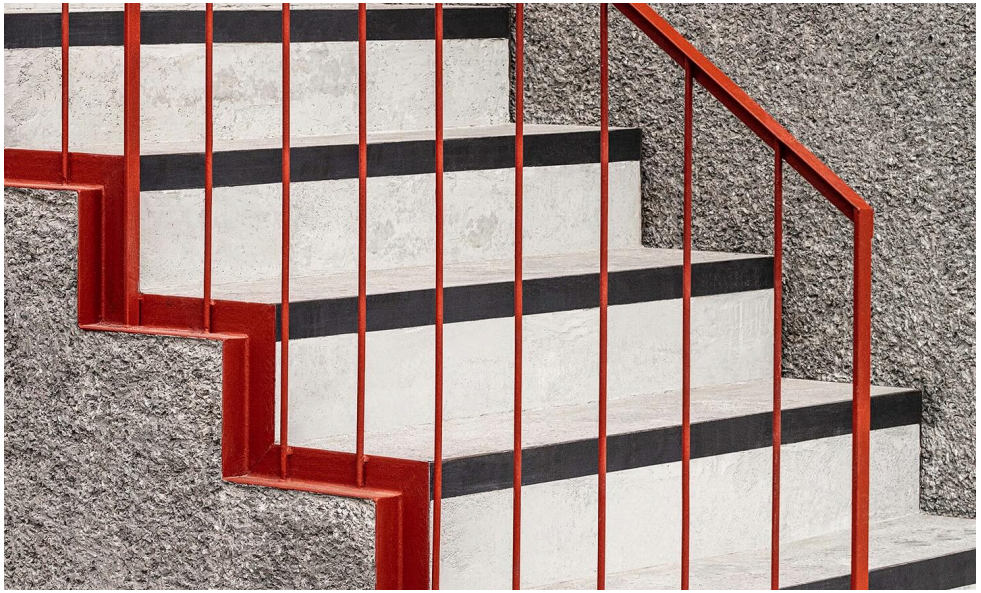


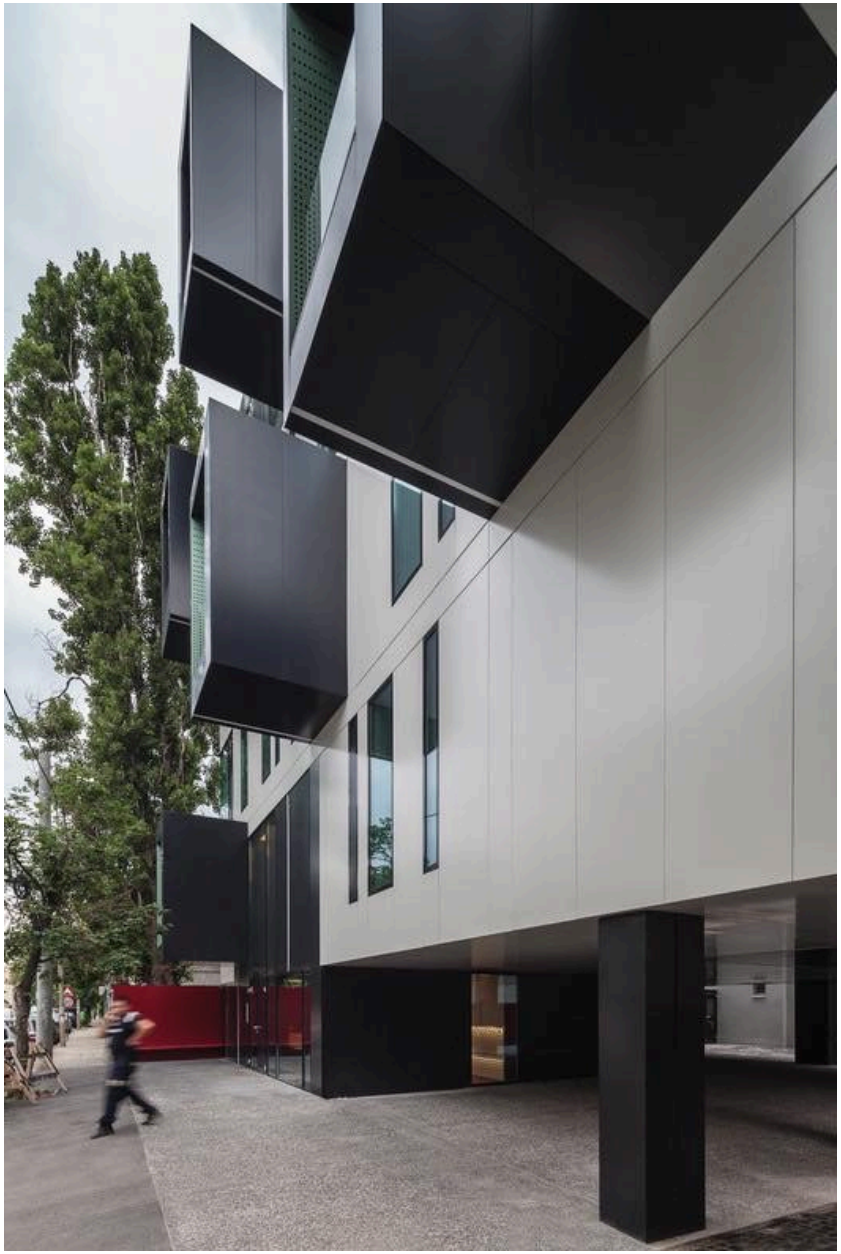


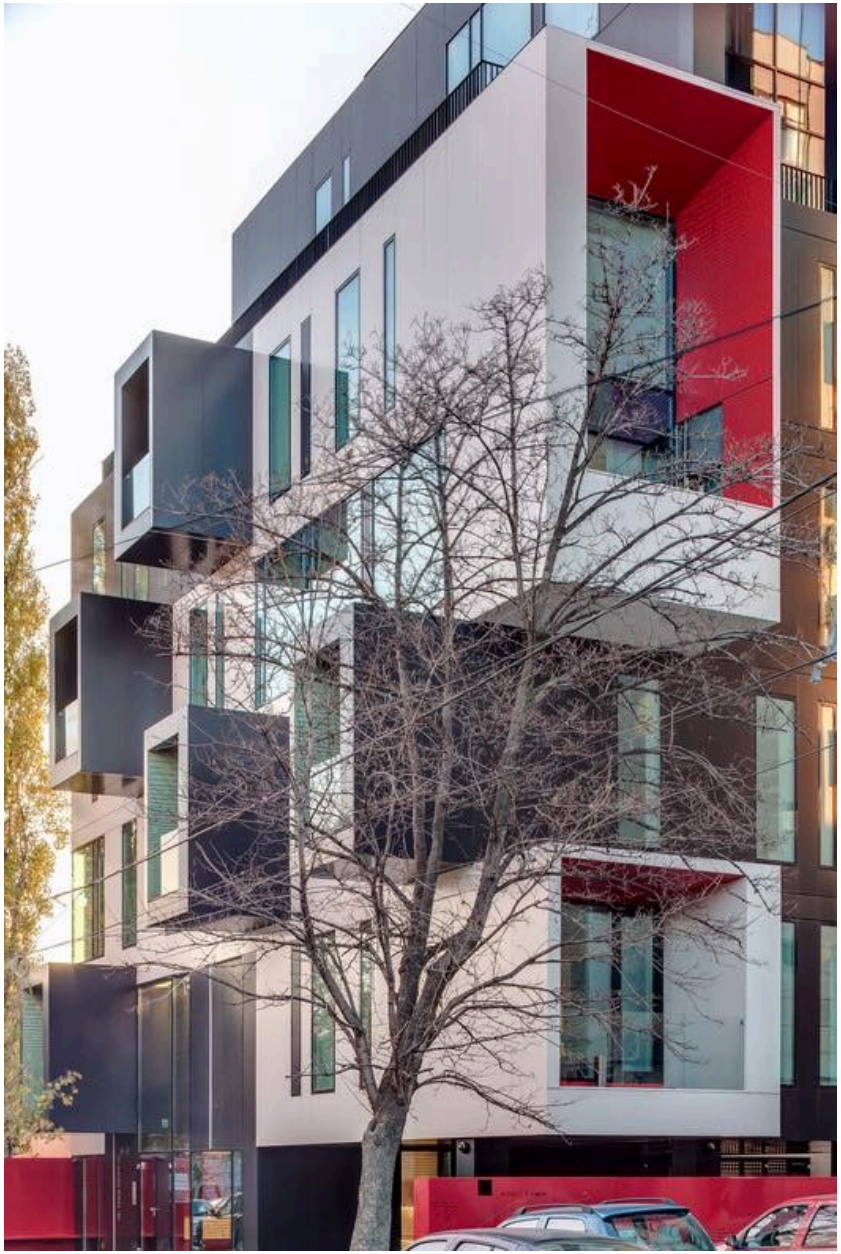


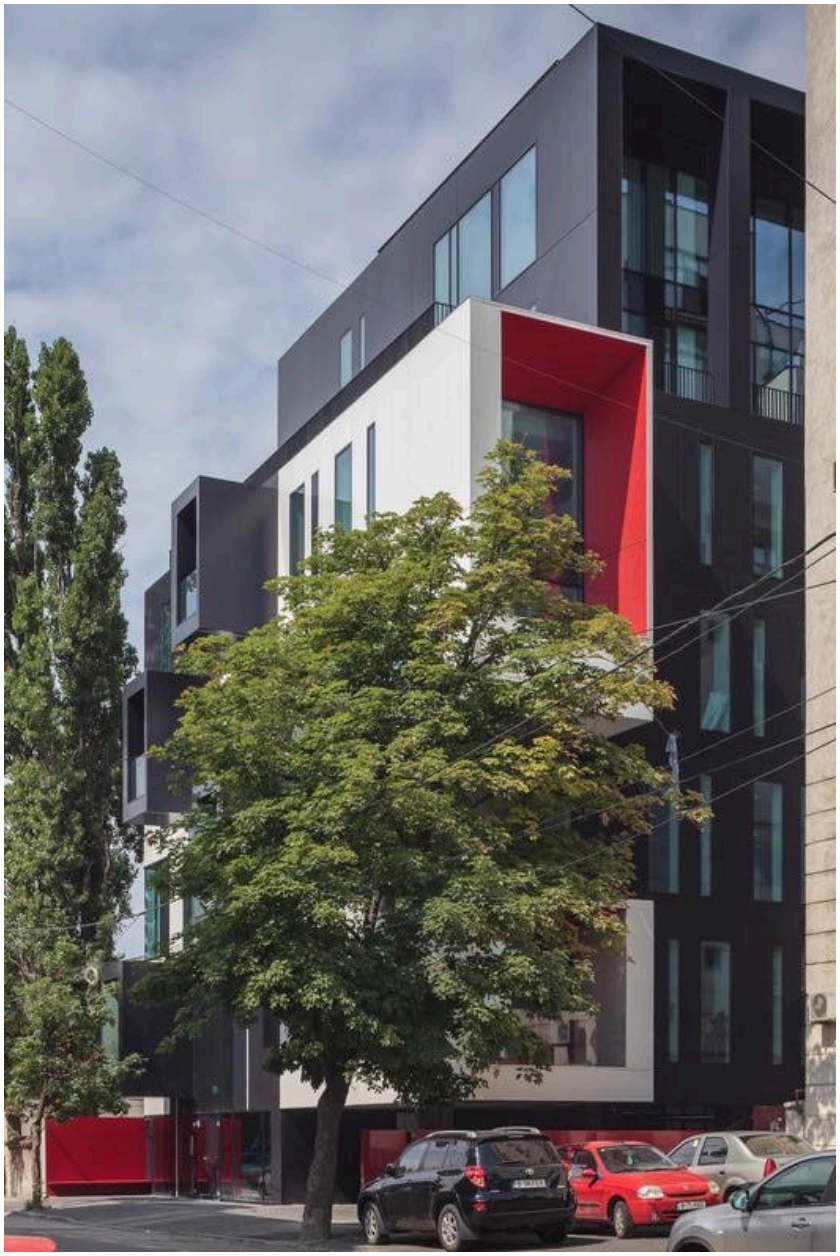


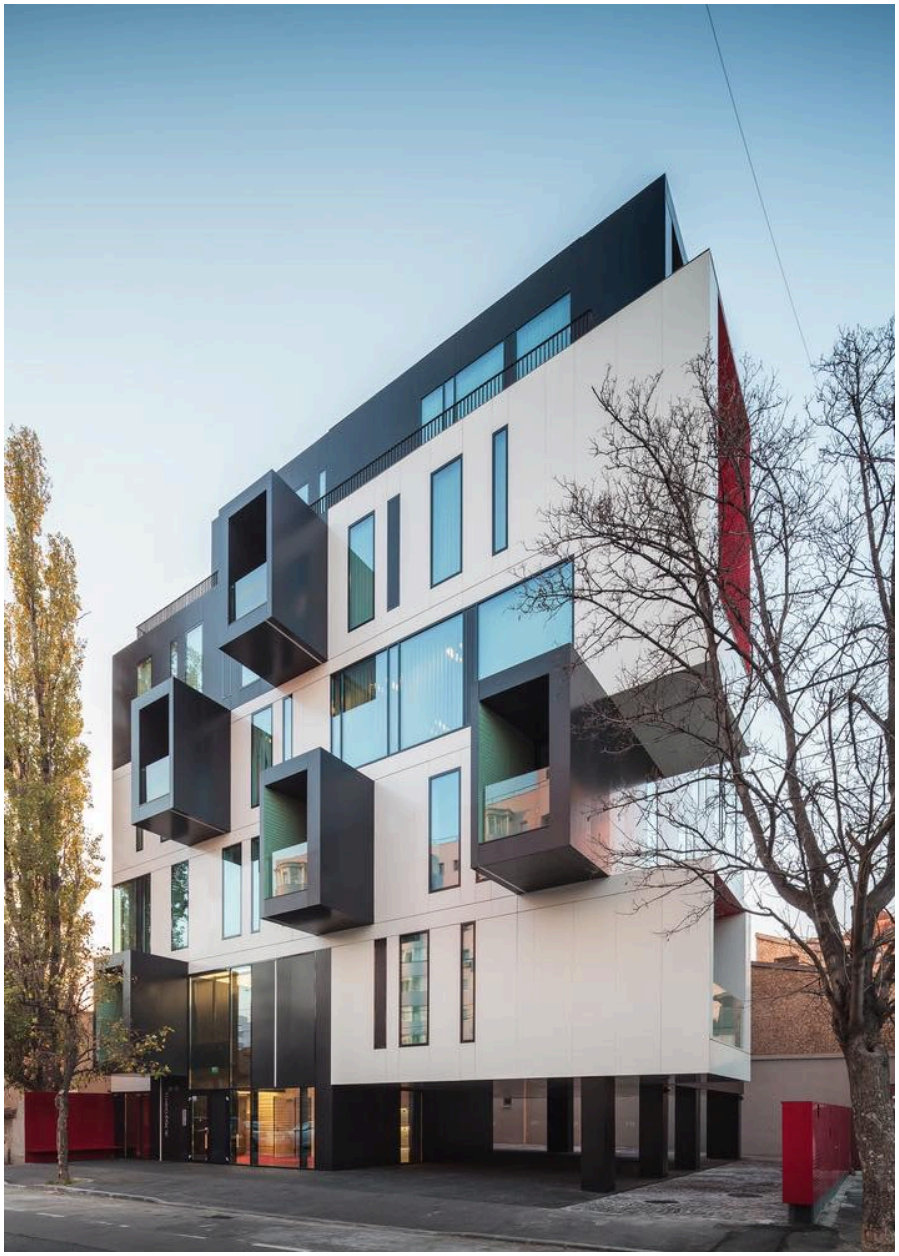


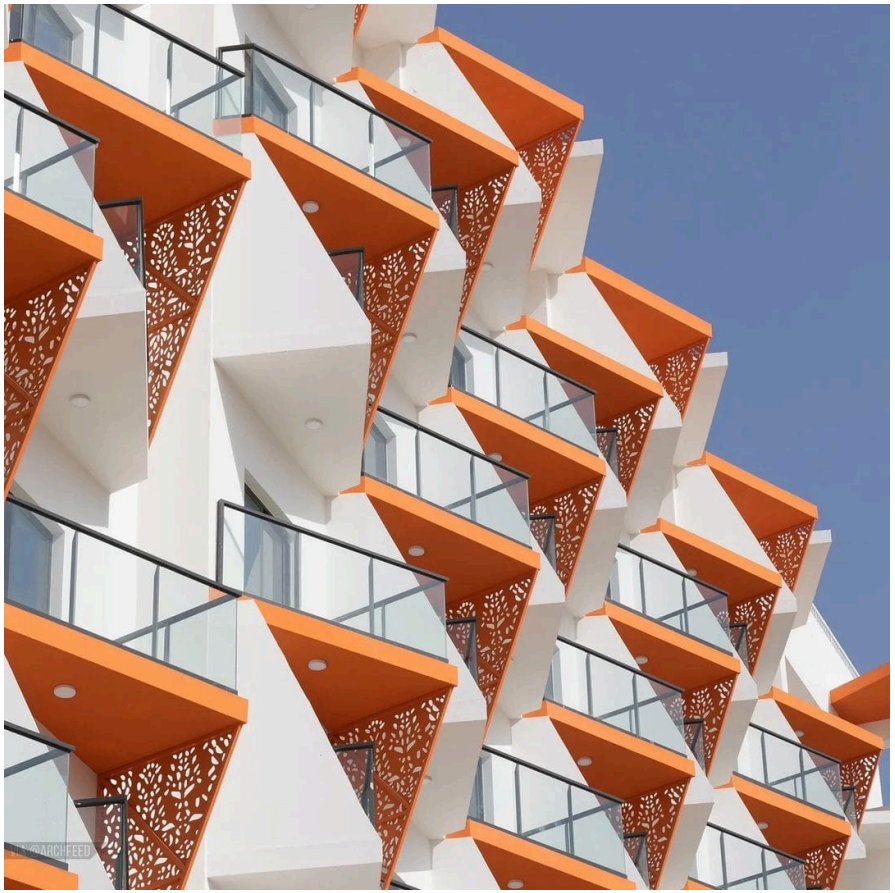


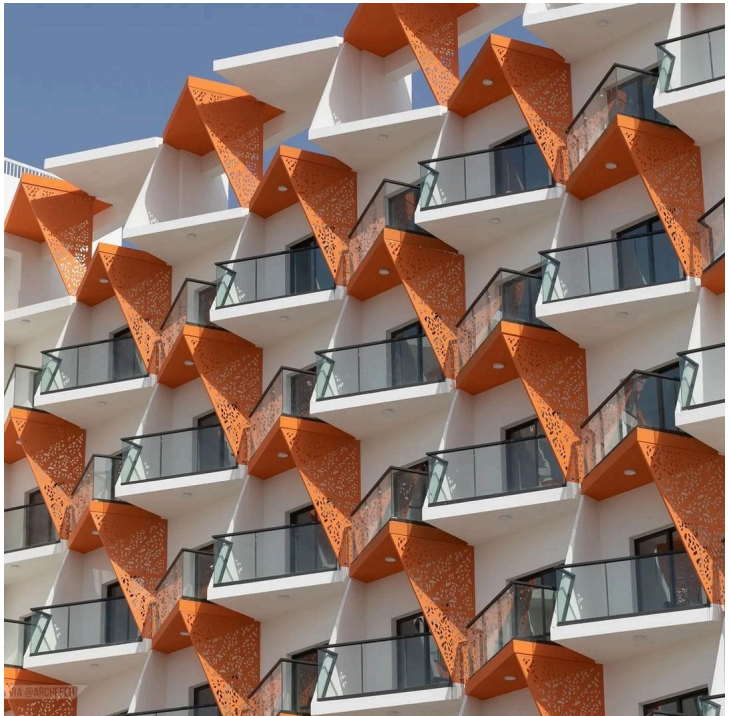


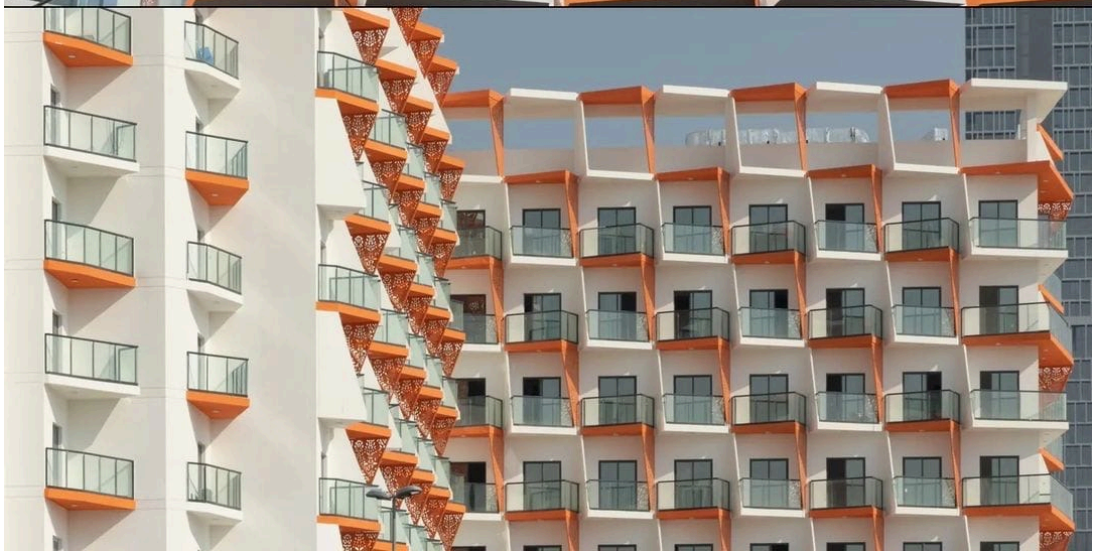


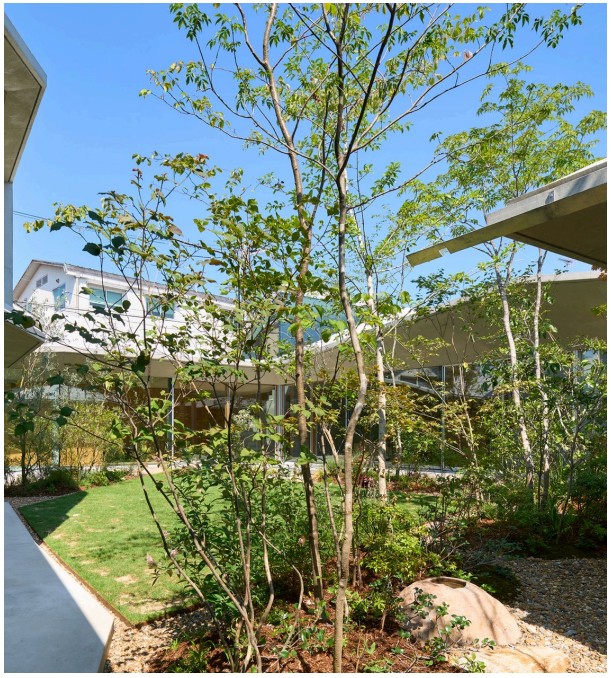


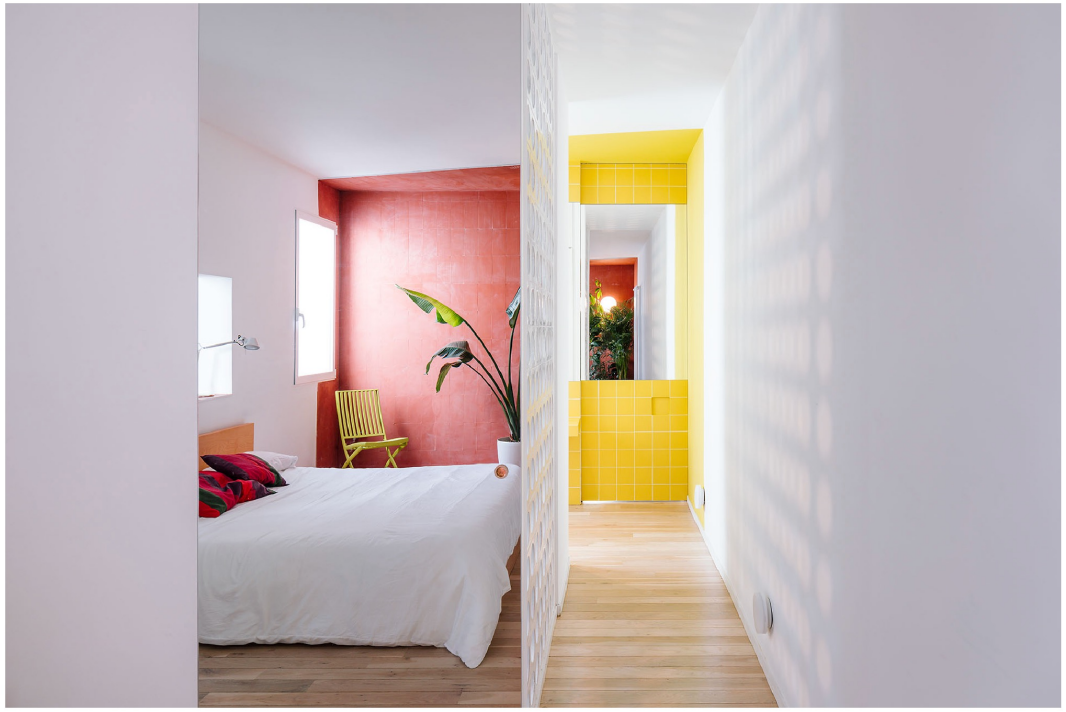










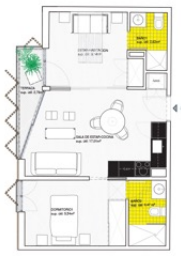



stanze
CHANEL


Dyckman St
Manhattan


Dyckman St
Manhattan

PLANTA SEGUNDA
cota +7,30m



VIVIENDA 1

VIVIENDA 2

VIVIENDA 3

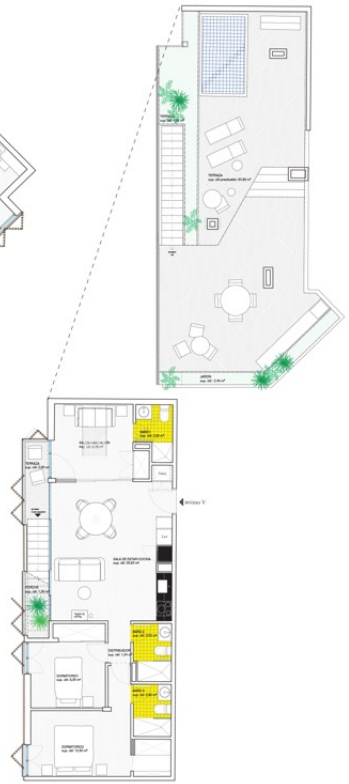
VIVIENDA 4

VIVIENDA 5

VIVIENDA 6

VIVIENDA 7

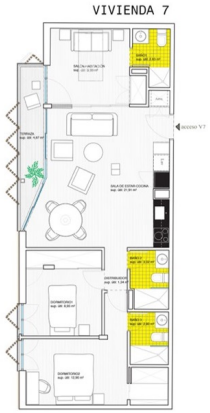
VIVIENDA 8



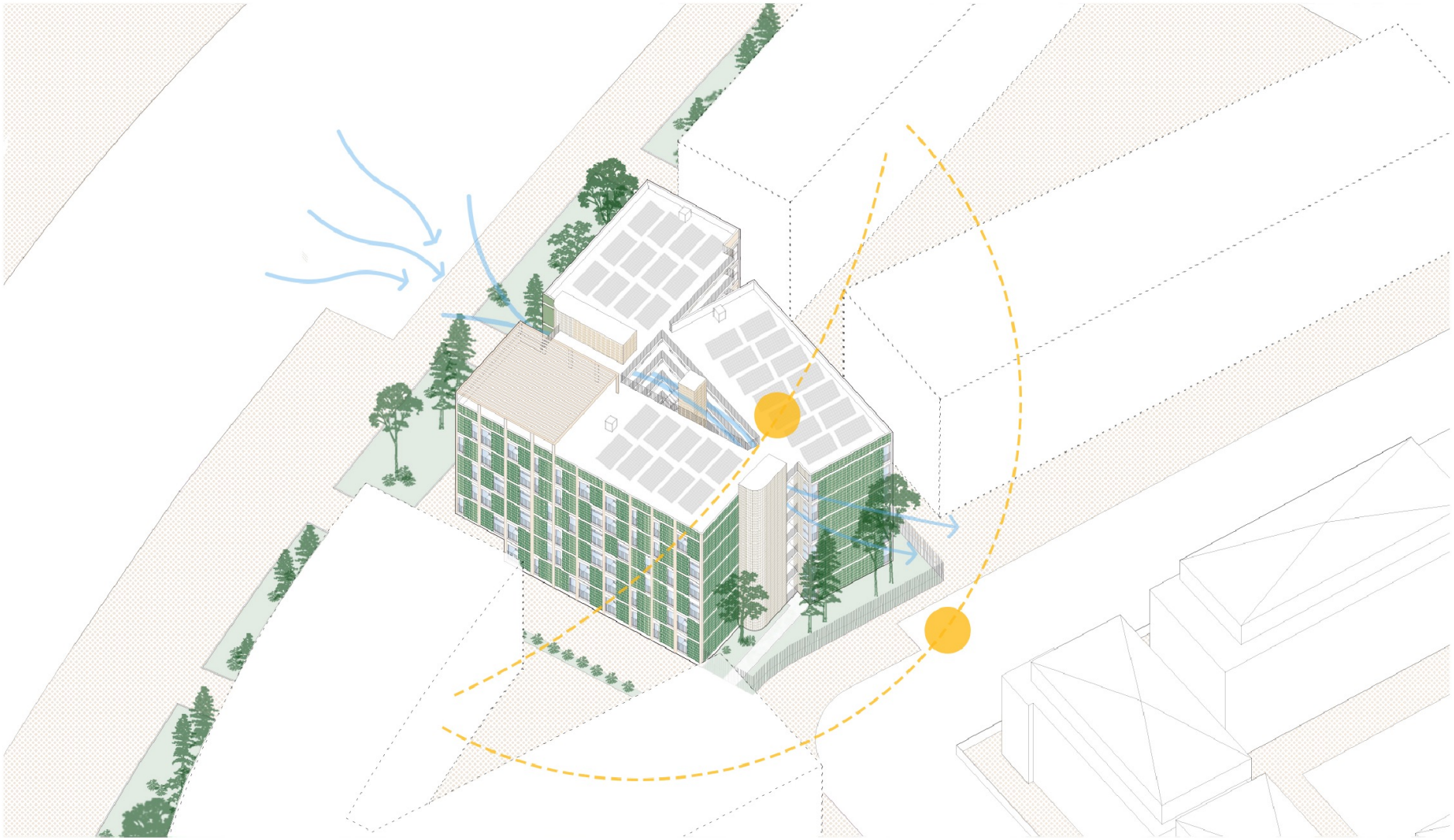
VIVIENDA 9

VIVIENDA 10


VIVIENDA 2
acceso V2


VIVIENDA 7
acceso V7


VIVIENDA 8
acceso V8




AVINGUDA DE VILA DE BLANES
Accés aparcament
Accés principal
CARRER DE MARFULL
1
2
3
4
5
6
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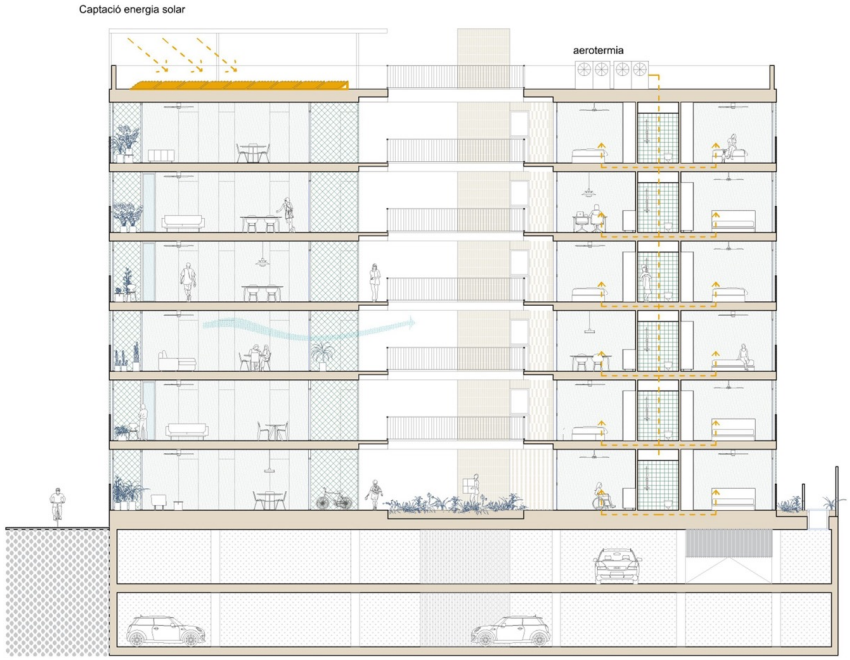
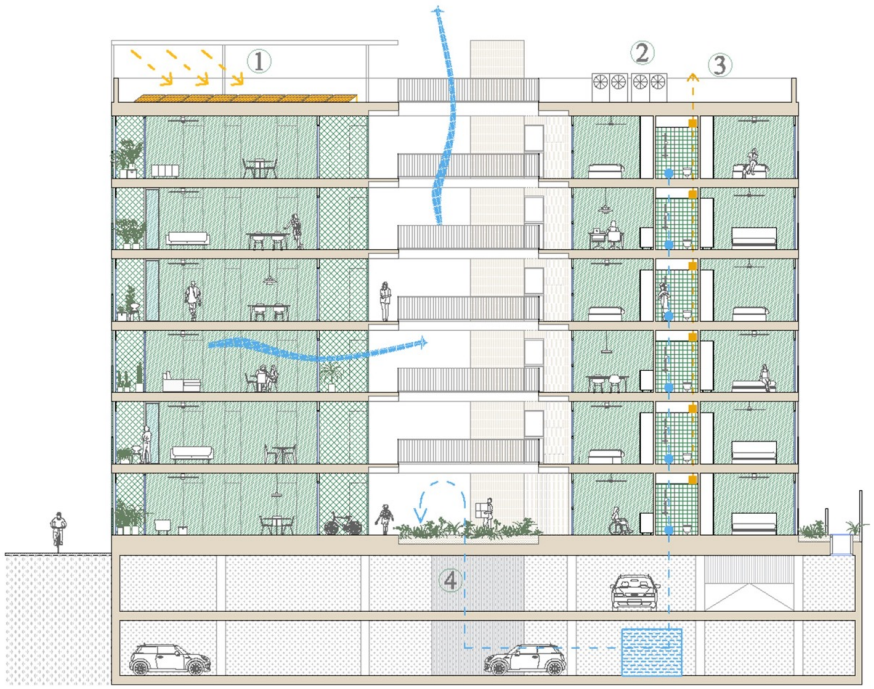
8
9
10
11
12
13


Captació energia solar
aerotermia


1
2
3
4

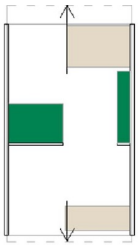

P5
P4
P3
P2
P1
PB
PS1
PS2
3.00
3.40
3.20
3.20
3.20
3.65
3.25
2.90
22.85
6.15
5
6

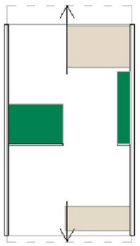
HABITATGE A (44)

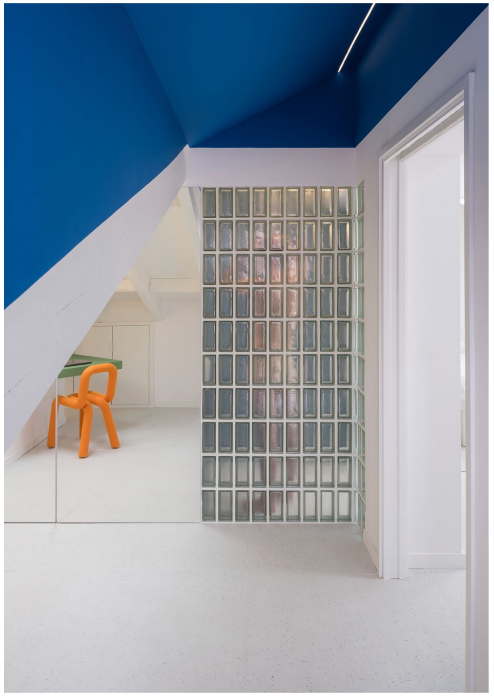
①Estenedor / galeria d'accés 6.04 m²
②Estar / menjador / cuina 24.13 m²
③Bany 4.55 m²
④Galeria flexible 3.78 m²
⑤Dormitori doble (x2) 11.80 m²
Superfícies útils totals: 62,00 m²

HABITATGE B (24)

①Estenedor / galeria d'accés 6.04 m²
②Estar / menjador / cuina 20.35 m²
③Bany 4.55 m²
④Galeria flexible 3.78 m²
⑤Dormitori doble 11.00 m²
⑥Dormitori senzill 9.40 m²
Superfícies útils totals: 55,02 m²







AL DARA: HARNESSING HERITAGE FOR A SUSTAINABLE FUTURE

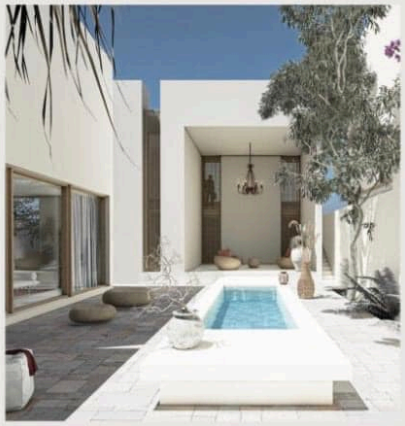
The quest for the House of the Future gracefully reside in the Past, in the local and regional architectural Heritage. Sustainability begins by embracing and understanding the historic architectural language of the region and appropriating it to meet today's cultural, socio-ecological and economic aspirations.

Heritage showcases a multitude of architectural elements such as wind catchers, water basins, compacity of volumes, and materiality. The main purpose of the project is to rehabilitate the past's know-how by applying today's requirements and sustain it for the future.

The project explores three main dimensions:

Air: Invest in wind directions. Capture it to ventilate and cool the spaces.
Earth: Use cool underground water table by generating a close circuit thus participating in reducing water table loss level.
Morphology: Develop an architectural volumetry that responds to functional requirements, secures intimacy, shades outdoor spaces and generates a natural cross ventilation.

INWARD OUTWARD CULTURE



ORIENTATION

The project is oriented 40 degrees south easterly, to align with the dominant day wind direction. The Majlis / Liwan double height open space, is oriented to receive directly the wind in its niche. The captured air in this volume is pressured and a whirl effect augment wind speed in the courtyard. The presence of the cooled water basin refreshes the air. The cool air settles down in the courtyard pushing the warm air away through two porosities across the courtyard under the volume tangent to the street. Raising that volume from the ground allow air to freely circulated under the upper mass and assure a natural cross ventilation system. The upper and the south-western volume form an L shape barrier around the courtyard providing sun protection.
The living space on the ground floor is double oriented. It addresses the main courtyard as well as a smaller private garden on the north-western side of the plot. The double orientation allows natural cross ventilation and permanent daylight.

DISTRIBUTION

The two porosities on the ground floor under the first-floor mass, consist of two distinctive alleyways. The first is generous and is dedicated to the noble entrance, the porch. The second, narrower, is for the service access (driver's room and waste separation area). The entrance porch leads to the southern corner of the courtyard, where the main entrance to the house is defined. Crossing the courtyard leads to a separate entity: The Liwan / Majlis where guests are generously hosted. The Majlis has a discrete access to the office / library which is also accessible from the private garden. On the east corner of the courtyard, a discrete stair leads to an independent guest room on the upper level. The entire courtyard is raised 45cm above street level. The podium effect perceptible from the porch adds to the monumentality the inner outer.

MATERIALITY

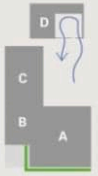
The compacity of the volumes serves the economy and the sustainability of the project. Simple monolithic structure, with moderate spans offers the possibility of a prefabrication process: post tension hollow core slabs, insulated double walls and a regular glazing module. Local Lime plaster can provide the external walls with a rich palette of finishes and textures. It is cost efficient in application and maintenance. Local natural pigments can also add warm colors the finishes. The pivoting claustra on the south-eastern façade and all sun brakers are made of steel frames integrating a bambusa multiplex panels. A locally tough and versatile produced bamboo. It absorbs up to four times more carbon emissions and releases up to 35% more oxygen than other plants. Its uses will augment the bio energy production and industry.

SECTION 02 SCALE: 1/100

13 Family pantry: 7.09m²
14 Bedroom 01: 21.70m²
15 Bedroom 02: 23.80m²
16 Bedroom 03: 17.80m²
17 Family living: 27.70m²
18 Master dressing room: 7.60m²
19 Master balcony: 4.90m²
20 Master bedroom: 21.20m²
21 Master bathroom: 12.50m²
22 Master terrace: 10.10m²
23 Guest room: 20.10m²

Outdoor spaces: 23.70m²
Total indoor spaces: 159.40m²

Volume 1 and 2 merge on the first floor. The L shape entity shades the courtyard. The vertical circulation at the intersection articulates the children's wing with the parents private zone through a common space, the family living room. A green screen secures intimacy and shades the façade of the bedrooms.



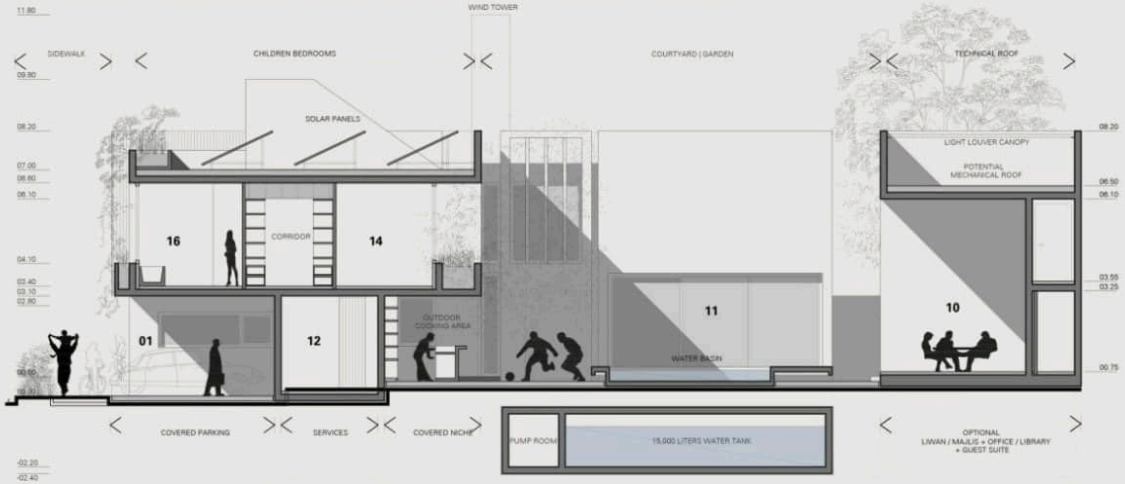
A Children's wing
B Circulation and family common living / study
C Parents wing
D Guest room

Outdoor spaces
Indoor spaces
Vertical circulation
Plants box
Wind circulation
Limit of upper volume
Green screen

FIRST FLOOR SCALE: 1/100

02 INTERWEAVING SPACES

In the realm of architectural innovation, the project unfolds as a carefully orchestrated interplay of elements. The first element is the separation of two entrances - the main entrance and the service entrance. The project consist of main block and a Liwan. The first block turns his back to the sun, creating a shaded space. This shaded area becomes a valuable resource, as it is strategically utilized thanks to the prevailing southeasterly winds during the day and the opposite airflow in the evening. These elements collectively craft a composition of volumes that fosters intimate spaces and optimally utilizes the site's natural attributes.



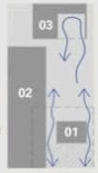
SECTION 02 SCALE: 1/100

01 Parking plot :42.30m²
02 Entrance porch: 7.60m²
03 Entrance threshold: 4.40m²
04 Lobby / distributor: 11.30m²
05 Indoor kitchen: 16.00m²
06 Maid's room / bath: 12.30m²
07 Guest washroom : 4.60m²
08 Living / dining: 58m²
09 Office / library: 20.40m²
10 Majlis / Liwan: 24.20m²
11 Courtyard / garden: 172.80m²
12 Driver's room / bath: 12.30m²

Outdoor spaces: 253.10m²
Total indoor spaces: 134.90m²

Three distinctive volumes interacte to avoid direct exposure to sunlight and make use of dominant wind direction generating natural ventilation and cooling.

The voids generated are hierarchically defined and gradually evolve from the most public to most intimate.

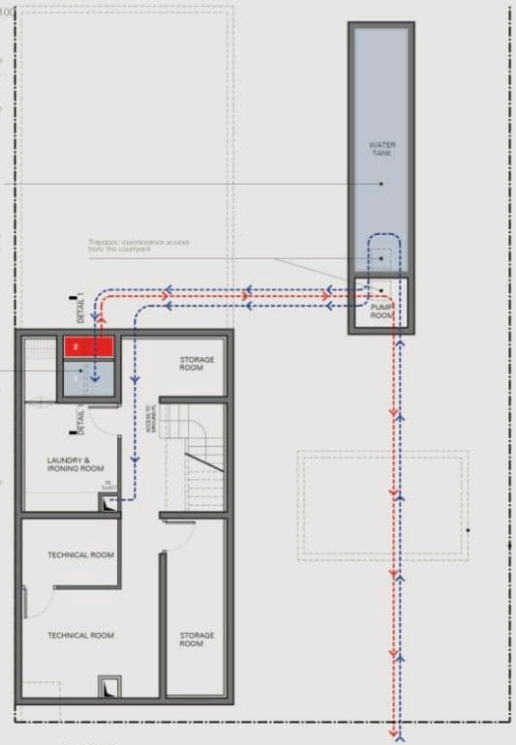


01 Interstice between public and private spaces.
02 The house.
03 Substance of the house.
Outdoor spaces
Indoor spaces
Vertical circulation
Wind circulation
Limit of upper volume
Entrance gate
Service access
Buffer zone

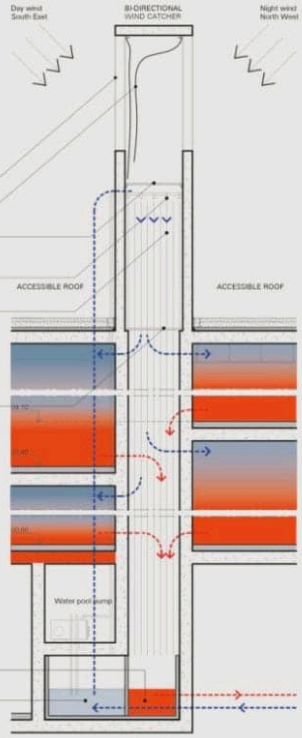
GROUND FLOOR SCALE: 1/100

ELEMENTS FOR SUSTAINABLE LIVING

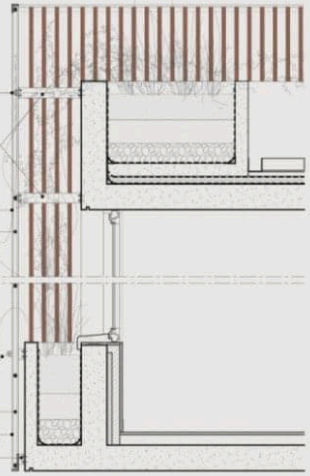
BASEMENT SCALE 1/100



DETAIL 01 SCALE: 1/50



DETAIL 02 SCALE: 1/25



SECTION 03 SCALE: 1/100