

# EXFORMA ARCHITECTURE (BKK)

## PORTFOLIO



EXFORMA
ARCHITECTS & CONSULTANTS CO., LTD.

## Architectural Design & Consultation


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## EXFORMA ARCHITECTS & CONSULTANTS (BKK)

EXFORMA'S vision is the enrichment of the architectural landscape through a synthesis of design that realizes a site's unique sets of possibilities in functionality, sustainability, and character. To create a truly personal architecture that responds harmoniously to the site's parameters that sits perfectly in its location and cannot be placed anywhere else.

## MORPHA HOUSE

LAKESIDE BANGNA, THAILAND (2015)
ROLE: LEAD ARCHITECT

THE BRIEF:
(PRIVACY, INTIMACY, TAKE IN VIEWS)

The owners of Morpha House had a unique set of requirements of wanting to build a large scale family home that is able to fully utilize their lot of land while maintaining a sense of intimacy between each of the 4 family members. Additionally, the owner also wanted a separate compound that acts as the family's private vacation home right in the same lot. Since the family mostly spent time at home each individual wanted their own private spaces but also wanted to spend quality time together in shared family spaces.





## MORPHA HOUSE

LAKESIDE BANGNA, THAILAND
ROLE: LEAD ARCHITECT

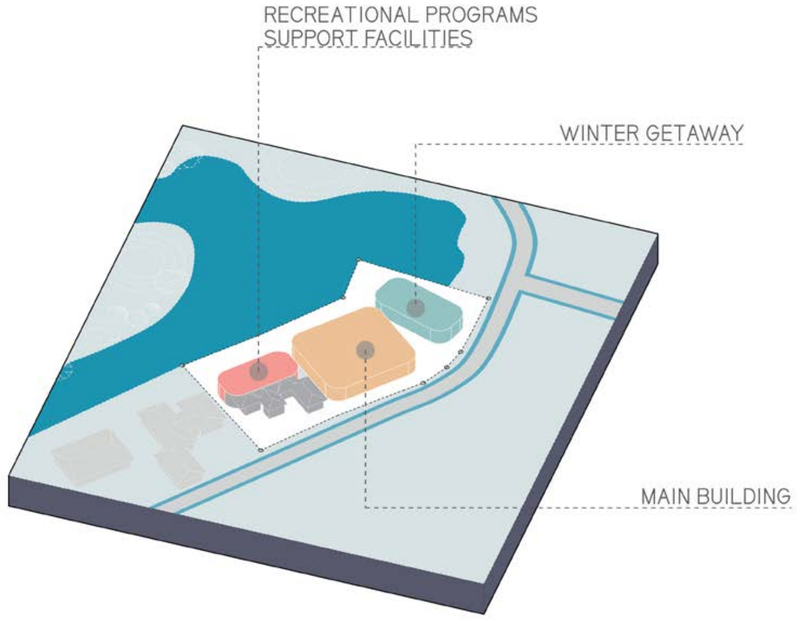
THE SOLUTION:
(INTERSECTIONALITY, ORIENTATION, SHELL STRUCTURE)

The design solution is to space out all private living spaces into different floors to maximize the privacy of each inhabitant with two bedrooms placed on the ground floor for each of the son and daughter while the master bedroom situated on the third floor. Because the site overlooks a golf course, the main living spaces are elevated to the second floor in order to allow the family to take in full frontal views. It also creates a central space where all family members can congregate in a large open floor plan consisting of a living room overlooking an infinity pool, a playroom, and a work room. Each room is specifically oriented to take in different views of the gold course and to also create privacy for each room. All spaces are sheltered by a central monolithic "shell" structure that covers the entire complex, creating a distinctly characteristic architecture.

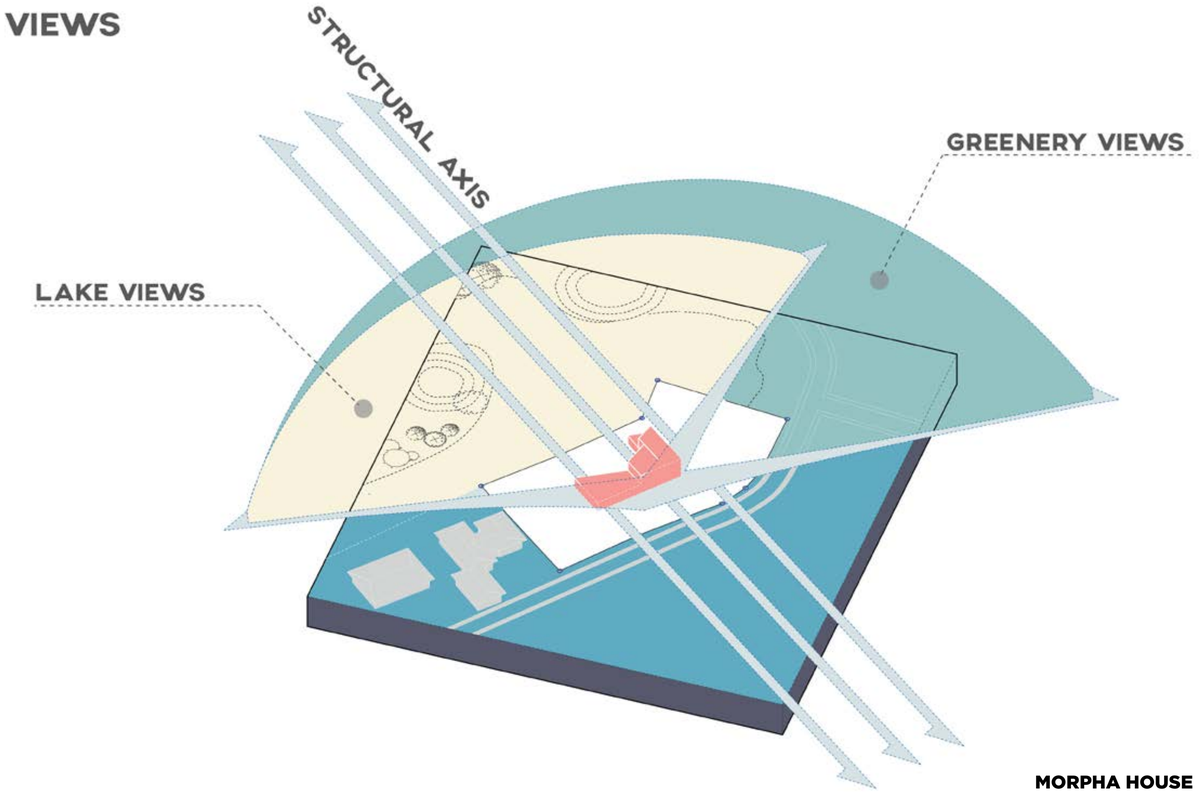




# PROGRAMS

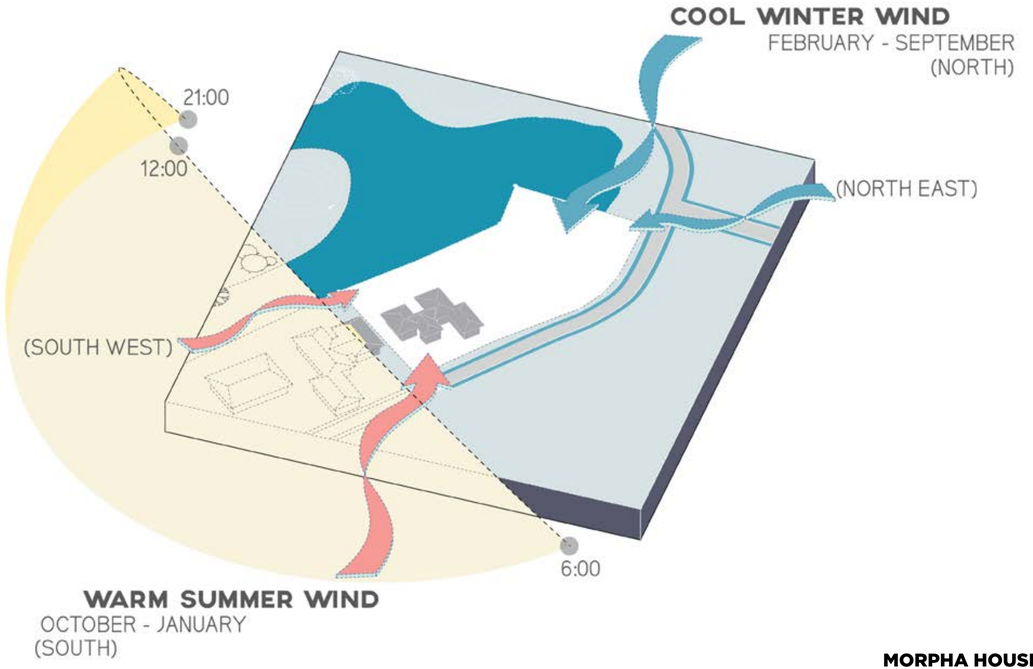


# VIEWS



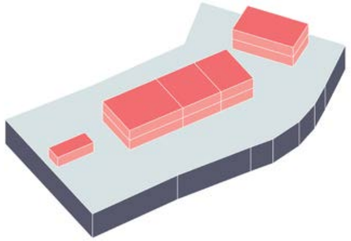

**MORPHA HOUSE**
LAKESIDE BANGNA, THAILAND

# SUN & WIND

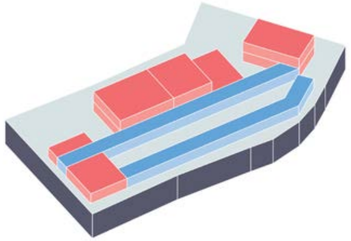



**MORPHA HOUSE**
LAKESIDE BANGNA, THAILAND

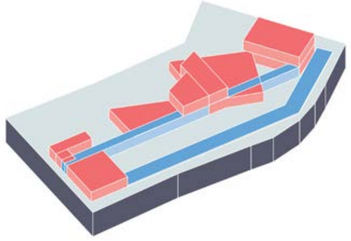
# FORM DEVELOPMENT



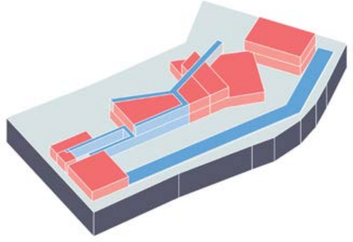
BASIC MASSING



CONNECTIONS

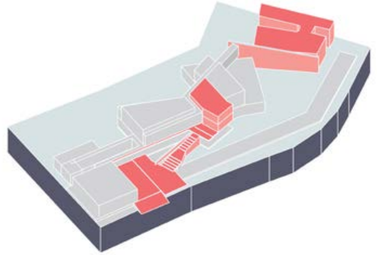


ORIENTATION & FORM

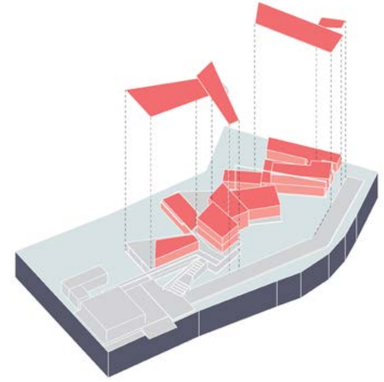


SUB-CONNECTIONS

**MORPHA HOUSE**
LAKESIDE BANGNA, THAILAND

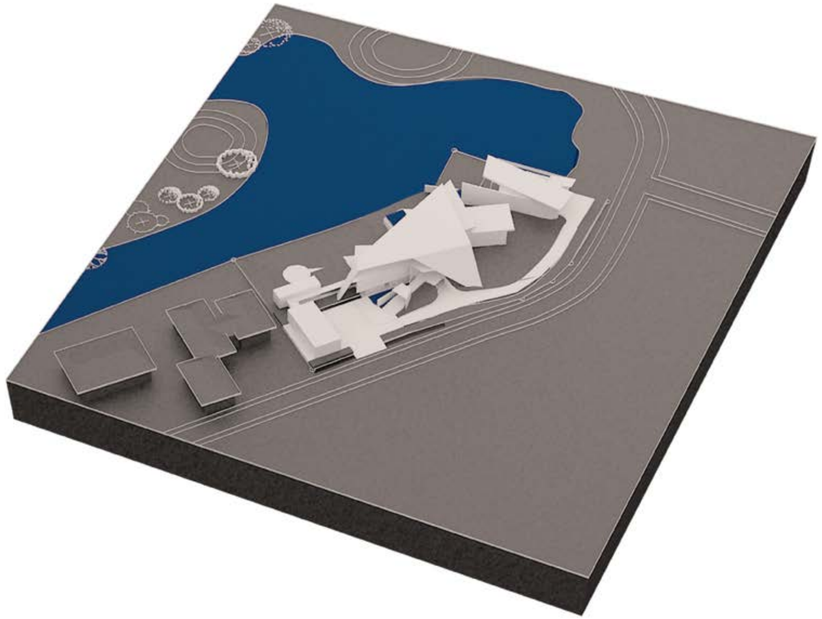


APPROACH



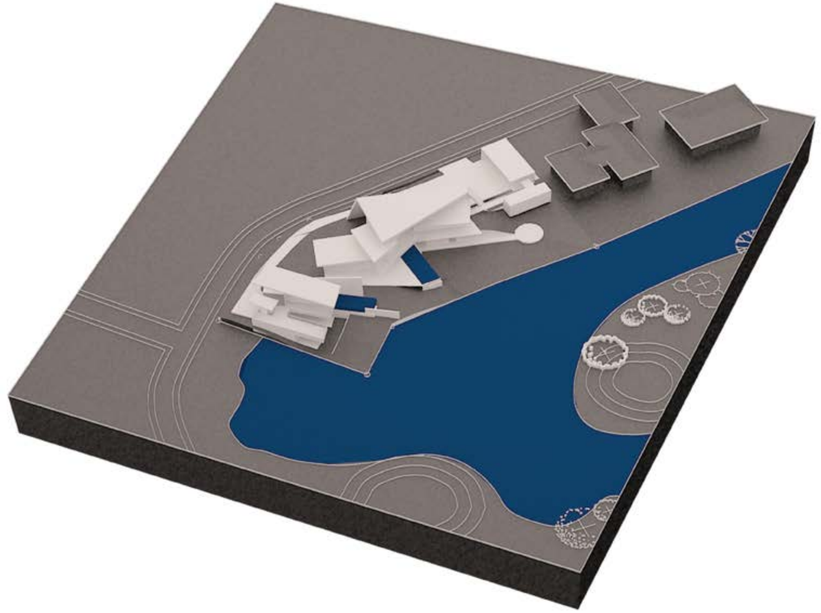
ALCOV(ING) SPACES

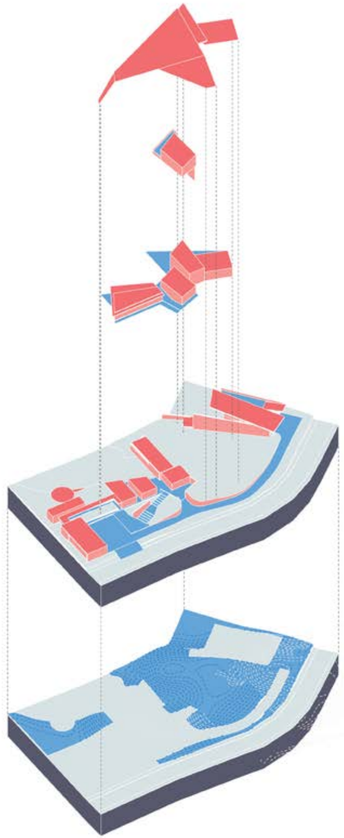
# FINAL MASSING
WEST





# FINAL MASSING
EAST





ROOFING

BEDROOM 1

1ST FLOOR
- gallery
- kitchen/dining room
- living room
- common workroom

GROUND FLOOR
- bedroom 2
- bedroom 3
- gym
- swimming pool
- winter getaway
- garrage
- service block

TOPOGRAPHY

**MORPHA HOUSE**
LAKESIDE BANGNA, THAILAND









**MORPHA HOUSE**
LAKESIDE BANGNA, THAILAND

















**MORPHA HOUSE**
LAKESIDE BANGNA, THAILAND

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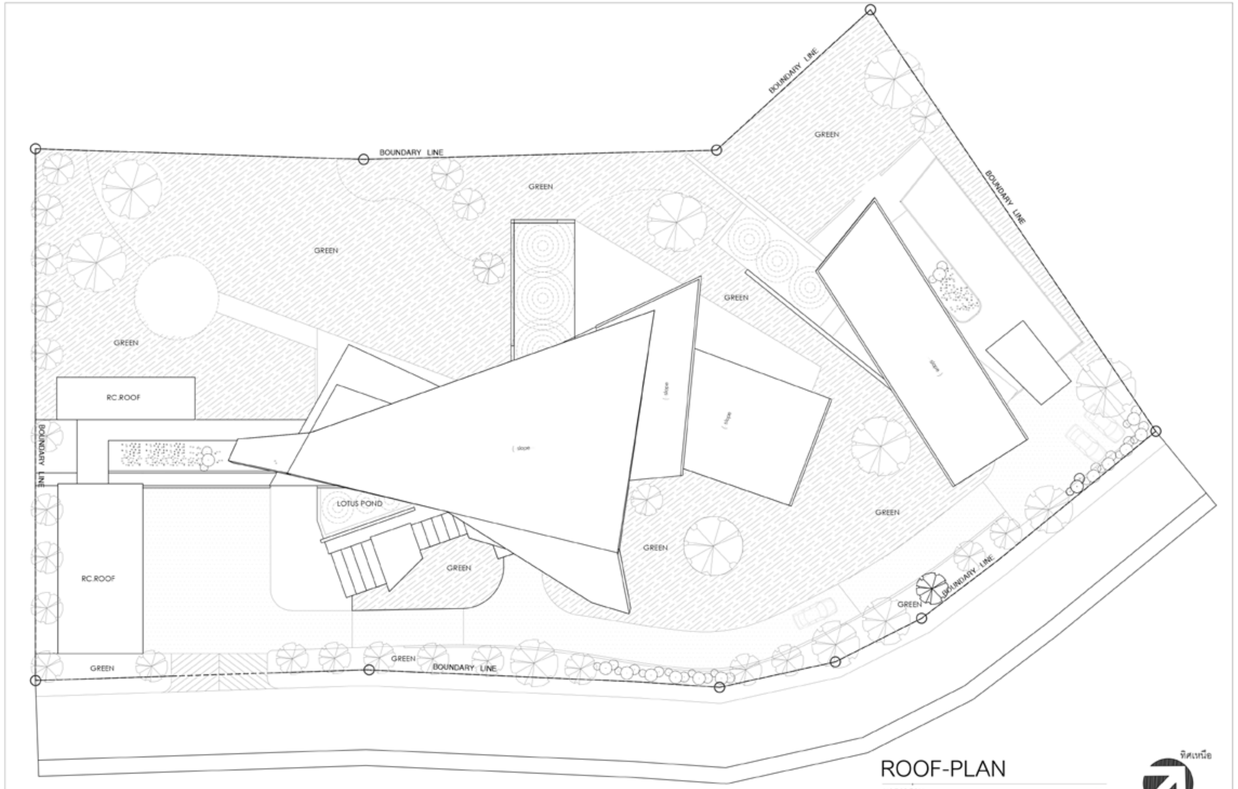




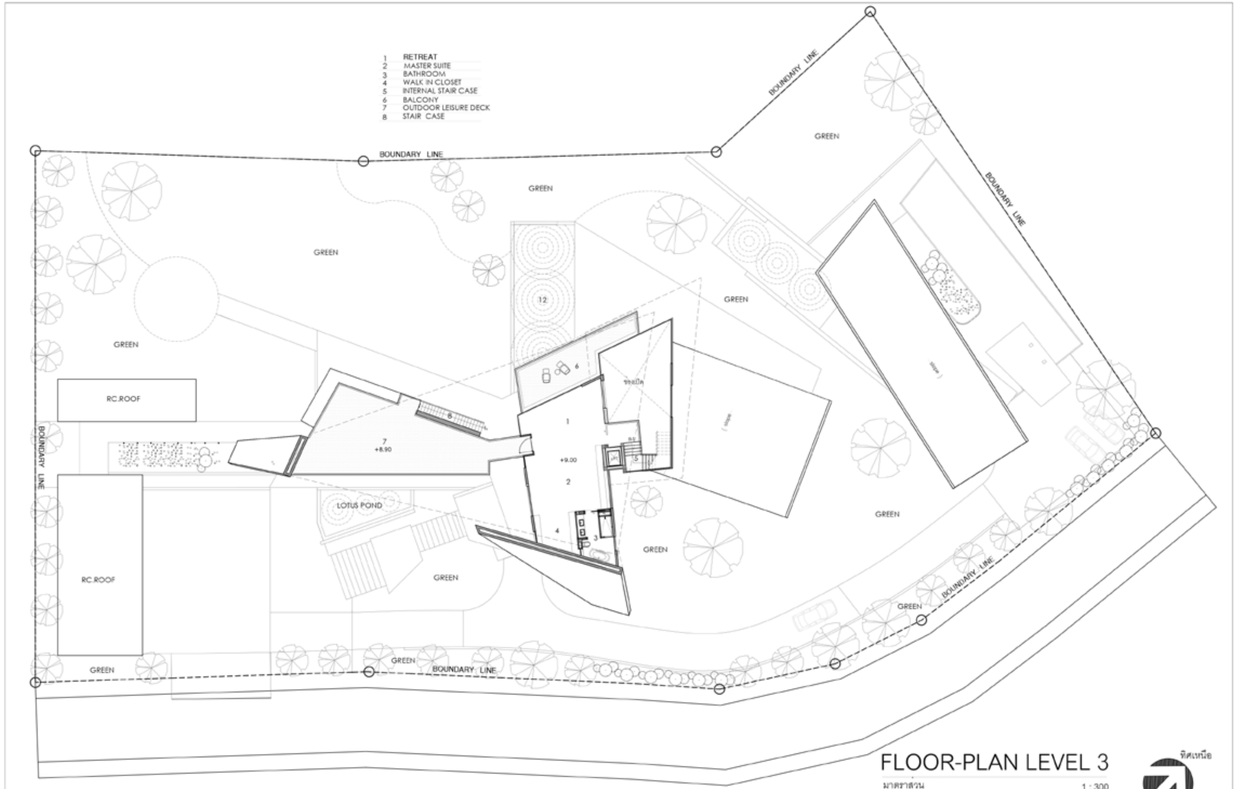
**MORPHA HOUSE**
LAKESIDE BANGNA, THAILAND



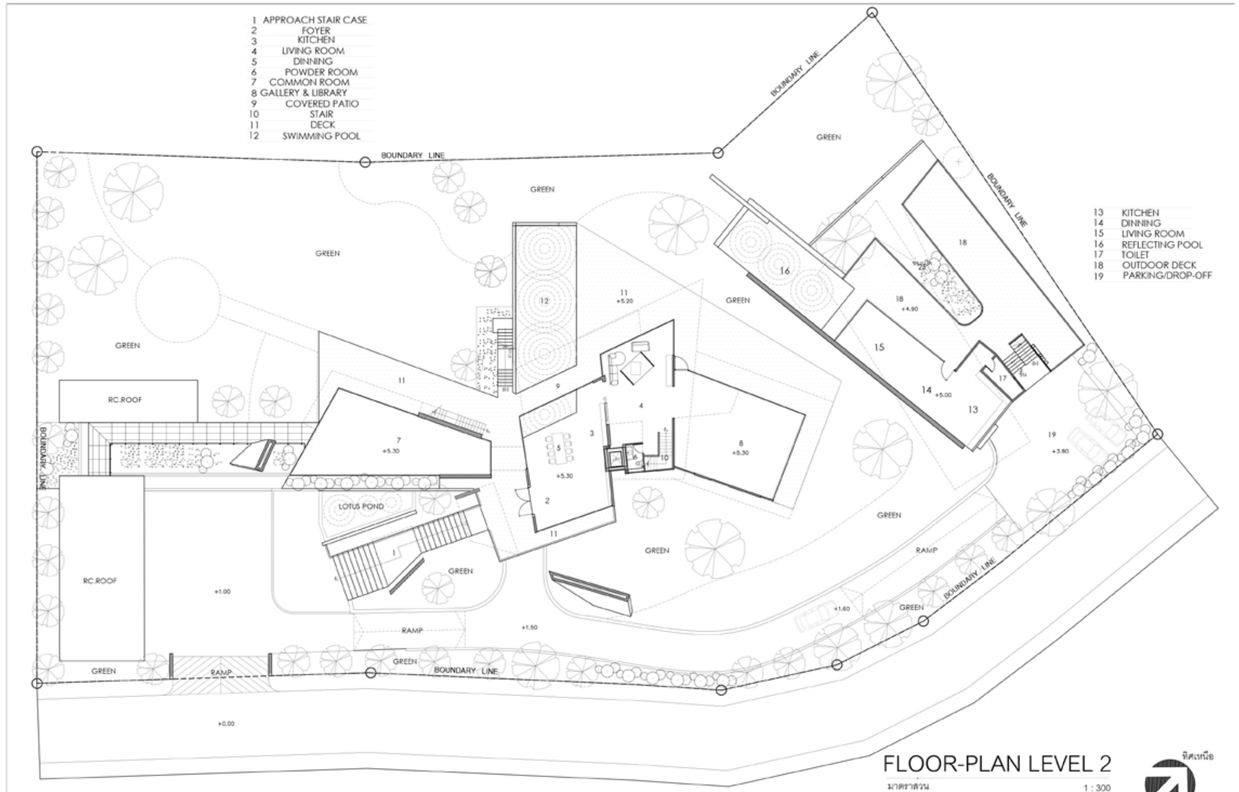
**MORPHA HOUSE**
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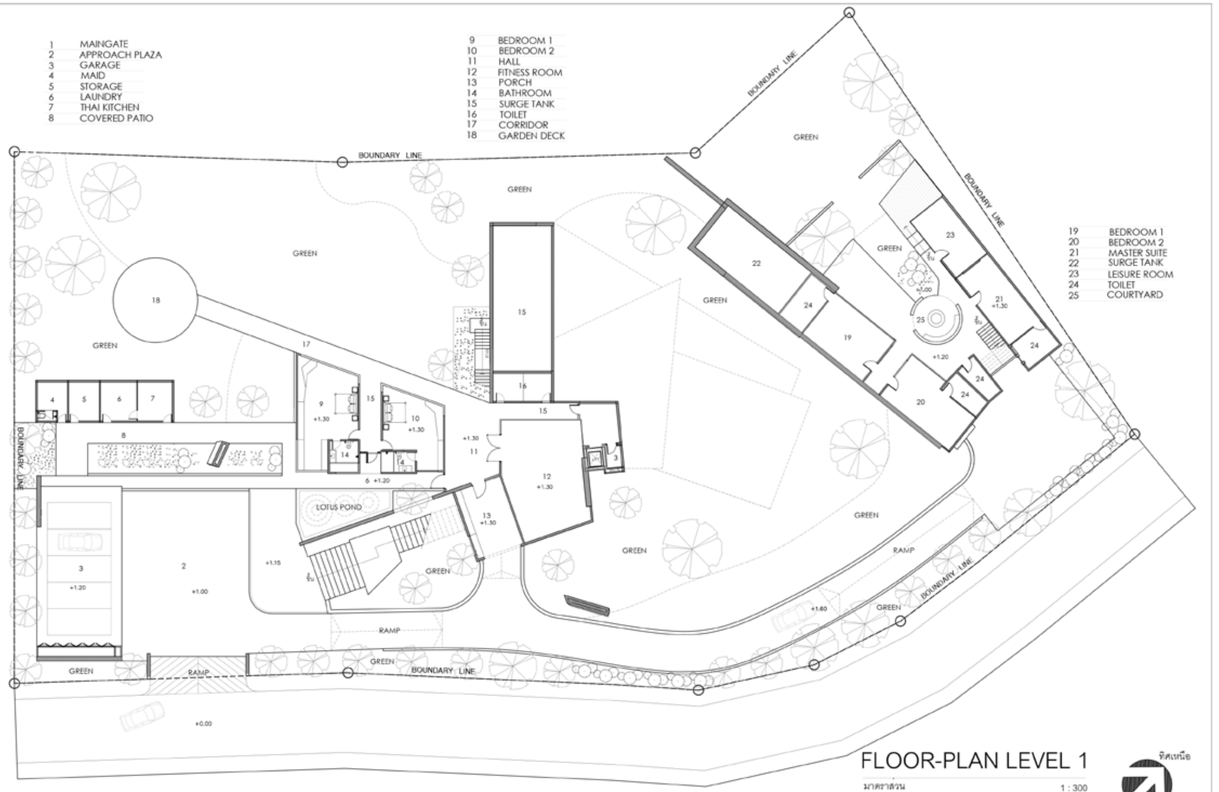

FLOOR-PLAN LEVEL 2

มาตราส่วน 1 : 300

ทิศเหนือ

**MORPHA HOUSE**

LAKESIDE BANGNA, THAILAND




FLOOR-PLAN LEVEL 1

มาตราส่วน 1 : 300

ทิศเหนือ

**MORPHA HOUSE**

LAKESIDE BANGNA, THAILAND

## THANA CITY CHALET

LAKESIDE BANGNA, THAILAND (2015)
ROLE: LEAD ARCHITECT

THE BRIEF:
(PRIVACY, INTIMACY, A COZY GETAWAY)

The owners of Thana City Chalet wanted to create a private getaway on the same lot of land that the main house is located. The vacation home is meant to be used as a holiday home on an occasional basis. While being on the same lot as the main house, the chalet needs to create a sense of being "away from the usual".




## THANA CITY CHALET

LAKESIDE BANGNA, THAILAND
ROLE: LEAD ARCHITECT

THE SOLUTION:
(DESIGN LANGUAGE, SOLID PARTITIONING, OPEN VS CLOSE)

Responding to the client's unique requests, the architect designed a fully functional vocational home away from the main house. The chalet is intentionally 'pushed' to the edge of the lot, separating itself from the main house. A long elevated walkway connects the main wing to the chalet. Walking through this covered walkway enveloped by greenery is intended to create a sense of journey; a get-away. The architectural style of the chalet is intentionally different than that of the main house, lending itself more towards a rendition of a contemporary swiss chalet with the use of exposed rock surfaces, exposed structural steel members, timber columns together with plain white surfaces and large opened facades. A large green wall is used to shield the chalet from the main house in such a way that limits views to and from the main house. While concealing itself from everyday life, the chalet's main living area and bedrooms open up to take in a full view of the golf course scenery. A large pool encircles the whole chalet, cooling the air for the special occasions the chalet is used.







**THANA CITY CHALET**
LAKESIDE BANGNA, THAILAND



**THANA CITY CHALET**
LAKESIDE BANGNA, THAILAND

## ARTID RESIDENCE

CHUMPHORN, THAILAND (2016)
ROLE: PROJECT ARCHITECT

THE BRIEF:
(RESPOND TO INDIVIDUAL NEEDS, PRIVATE VS PUBLIC SPACES)

EXFORMA was commissioned by the owner of a shopping center in the province of Chumphorn for the design of a mansion; serving as a home for his wife and five children. The house is to contain private spaces that respond to the individual needs of each inhabitant situated under one unified architecture.




## ARTID RESIDENCE

CHUMPHORN, THAILAND
ROLE: PROJECT ARCHITECT

THE SOLUTION:
(INTERSECTIONALITY)

The architect gathered information on the personal requirements of each inhabitant and conducted site research to inform the design. The design took shape as a series of intersecting solid masses including: public masses (shared common spaces) and private masses (living quarters).








## ELEVATED APPROACH

ARTID RESIDENCE, CHUMPHORN

Each mass is then further organized into individual spaces that work together while responding to the day-to-day living patterns of each individual. From the frontal perimeter, a pathway leads up a small mound to an elevated main entrance that houses the main living area used to receive guests.





## ARTID RESIDENCE

CHUMPHORN, THAILAND



**ARTID RESIDENCE**
CHUMPHORN, THAILAND





**ARTID RESIDENCE**
CHUMPHORN, THAILAND



**ARTID RESIDENCE**
CHUMPHORN, THAILAND





**ARTID RESIDENCE**
CHUMPHORN, THAILAND



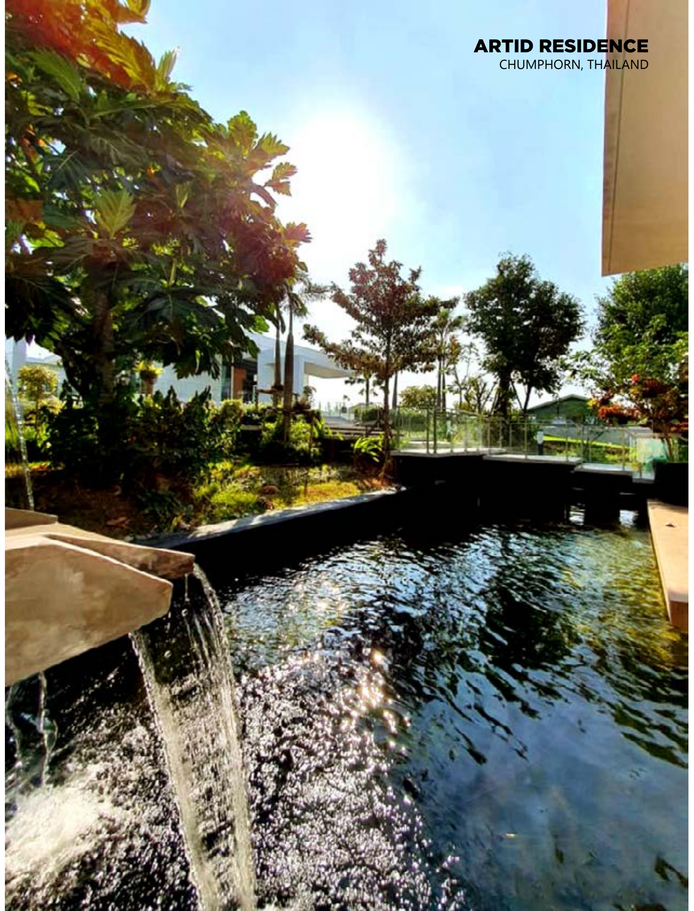


## BRING THE OUTSIDE IN

ARTID RESIDENCE, CHUMPHORN

Proceeding through this living space, one descends a walkway and is greeted with the view of the whole complex that engulfs a large swimming pool. The center building houses a gathering space, kitchen area, play area, and guest bedrooms all located on the first floor adjacent to the swimming pool. The third mass is located towards the back of the site and houses the master bedroom elevated on the second floor, overlooking all outdoor spaces while maintaining a sense of privacy. Large scale openings and glass curtain walls are applied on the interior facade of the house, opening them up to views and incoming breeze cooled by the pool while the exterior is cladded with glass panels and solid panels shaded by perforated aluminum screens (mashrabiya). The entire complex is protected by a series of solid shells reflecting the central concept of intersecting masses and planes expressed in contemporary architectural style.



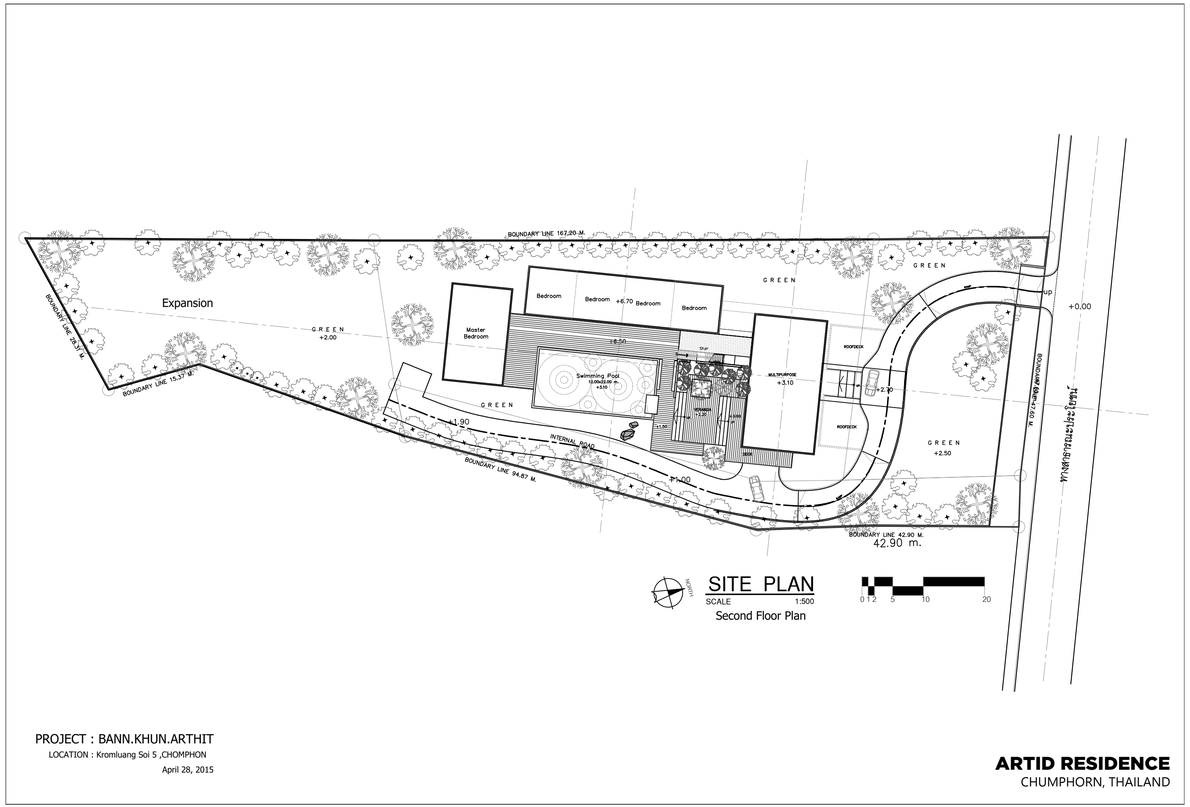


**ARTID RESIDENCE**
CHUMPHORN, THAILAND





**ARTID RESIDENCE**
CHUMPHORN, THAILAND



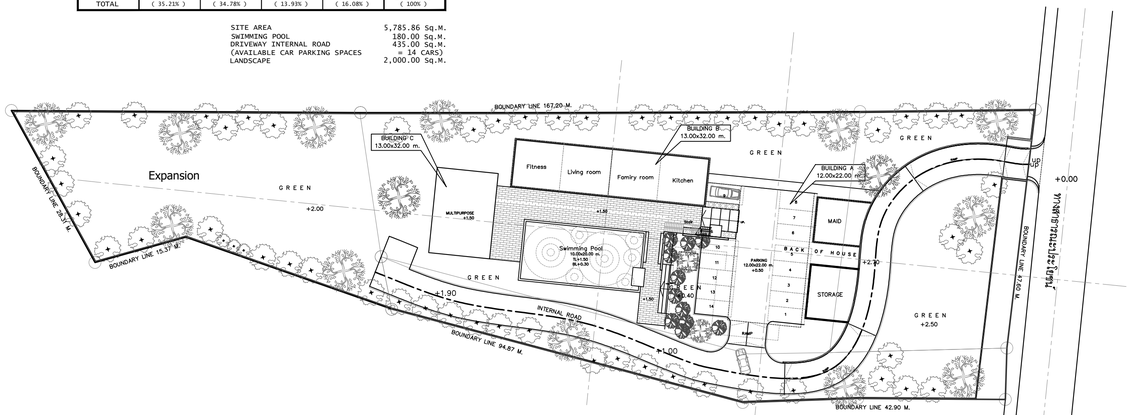

PROJECT : BANN.KHUN.ARTHIT
LOCATION : Kromluang Soi 5 ,CHOMPHON
April 28, 2015

**ARTID RESIDENCE**
CHUMPHORN, THAILAND

AREA SUMMARY

| FLOOR (Sq.M.) | BUILDING A (Sq.M.) | BUILDING B (Sq.M.) | BUILDING C (Sq.M.) | OUTDOOR+CIRC (Sq.M.) | TOTAL (Sq.M.) |
|---|---|---|---|---|---|
| GROUND | 550.00 | 400.00 | 160.00 | 120.00 | 1,230.00 |
| SECOND | 260.00 | 400.00 | 160.00 | 250.00 | 1,070.00 |
| | | | | | |
| | | | | | |
| | | | | | |
| GRAND TOTAL | 810.00 ( 35.21% ) | 800.00 ( 34.78% ) | 320.00 ( 13.93% ) | 370.00 ( 16.08% ) | 2,300.00 ( 100% ) |

| | |
|---|---|
| SITE AREA | 5,785.86 Sq.M. |
| SWIMMING POOL | 180.00 Sq.M. |
| DRIVEWAY INTERNAL ROAD | 435.00 Sq.M. |
| (AVAILABLE CAR PARKING SPACES | = 14 CARS) |
| LANDSCAPE | 2,000.00 Sq.M. |




SITE PLAN
SCALE 1:500
First Floor Plan

0 1 2 5 10 20

PROJECT : BANN.KHUN.ARTHIT
LOCATION : Kromluang Soi 5 ,CHOMPHON
April 28, 2015

**ARTID RESIDENCE**
CHUMPHORN, THAILAND

## OCEAN MALL

CHUMPORN, THAILAND (2015)
ROLE: PROJECT ARCHITECT

THE BRIEF:
(A NEW AND EXCITING ATTRACTION)

The original Ocean Mall is located in the Tha Taphao area of Chumphon province (Thailand). It is a multi story complex housing a multitude of shops and restaurants popular to the locals. The owner of the mall had purchased land adjacent to the original site and commissioned the architect for the design of the second mall that is to house a newly acquired chain of movie theaters as well as a large complex housing new restaurants and rental spaces for local shop owners. The design is to represent a new and exciting addition to the local area in both design and functionality.









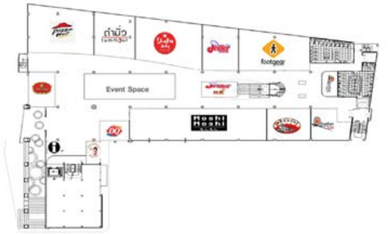
## OCEAN MALL

CHUMPORN, THAILAND
ROLE: PROJECT ARCHITECT

THE SOLUTION:
(SPATIAL ORGANIZATION, GRAND SPACES, MATERIALITY PALETTE)

The architect aimed to design a commercial complex that is able to attract the local community by creating a sense of excitement both in architectural design and functionalities. With a more communal layout and a controlled metallic palette of material cladding, the new Ocean Cineplex boldly stands out when juxtaposed to its predecessor both in its formal design and materialistic expression.









## OCEAN MALL, THE LAYOUT

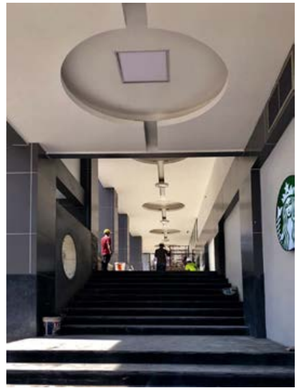
CHUMPORN, THAILAND

THE SOLUTION:
(SPATIAL ORGANIZATION, GRAND SPACES, MATERIALITY PALETTE)

The design consists of two main masses; the mass located along the main road houses a grand double-height entrance with an escalator that leads directly up to the second floor of the second mass where the movies theater is situated.







## OCEAN MALL, THE LAYOUT
CHUMPORN, THAILAND

THE SOLUTION:
(SPATIAL ORGANIZATION, GRAND SPACES, MATERIALITY PALETTE)

The second floor of the mass houses a restaurant that offers an elevated view of the area. The second mass covers the entire lot of land which protrudes parallelly in relation to the main road. The mass is larger and taller than the first, designed to reflect the concept of ocean waves using curved aluminum siding panels together with reflective opaque glass panels with various shades of blue. The second mass is approachable via the secondary road, leading up to a large central atrium space. The atrium then leads to all other spaces within the mall adorned in architectural elements suggestive of the central motif of ocean waves.






## OCEAN MALL
CHUMPORN, THAILAND









**OCEAN MALL**
CHUMPORN, THAILAND









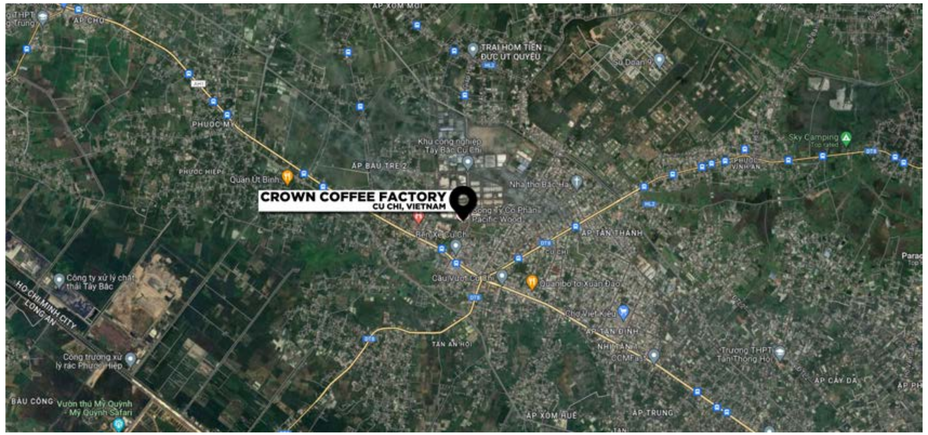
## OCEAN MALL
CHUMPORN, THAILAND



## CROWN SPRAY-DRY COFFEE FACTORY
CU CHI INDUSTRIAL PARK, VIETNAM (2015)
ROLE: PROJECT ARCHITECT

THE BRIEF:
(CLEAR EXPRESSION, FIRST IMPRESSIONS)

The requirement of the Crown Spray-Dry Coffee Factory was simple; designing a facility that impresses the owner's potential B2B clients while being clear in expressing what the factory produces. Given the complexity of the functionalities within the factory, the architect worked closely with the client and his suppliers to make sure the facility works seamlessly to support its day-to-day operations while working architecturally to impress the client's potential customers.



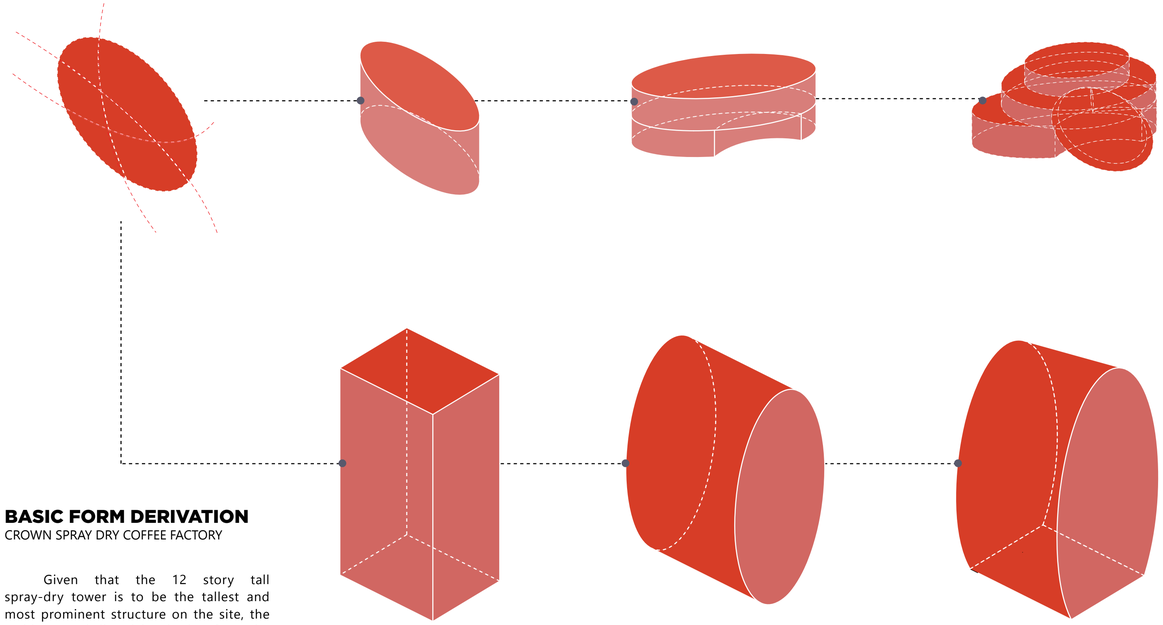
## CROWN SPRAY-DRY COFFEE FACTORY
CU CHI INDUSTRIAL PARK, VIETNAM
ROLE: PROJECT ARCHITECT

THE SOLUTION:
(STRONG FORMAL EXPRESSION, SINGLE AXIS CURVATURE)



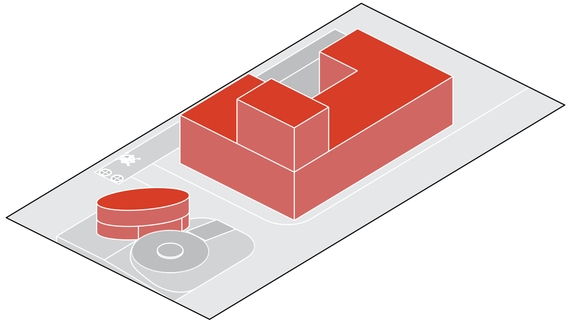


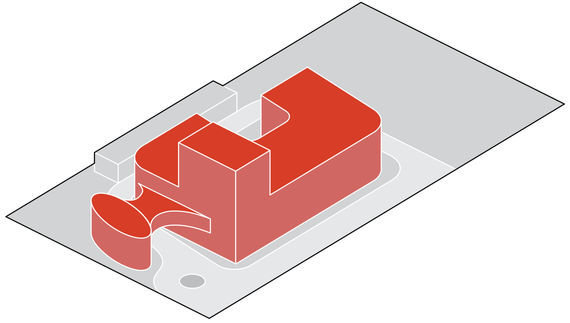
THE SOLUTION:
(STRONG FORMAL EXPRESSION, SINGLE AXIS CURVATURE)

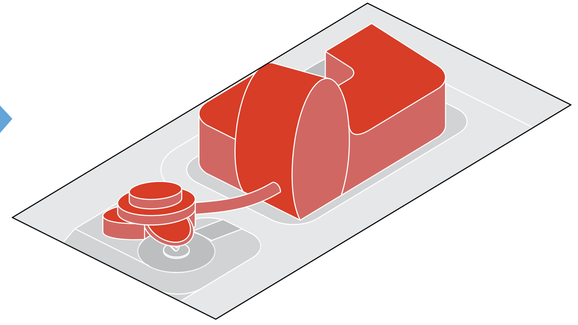


## BASIC FORM DERIVATION
CROWN SPRAY DRY COFFEE FACTORY

Given that the 12 story tall spray-dry tower is to be the tallest and most prominent structure on the site, the architect took literal inspiration from the coffee bean by forming the tower into the shape of the coffee bean that could be seen from the approach of the industrial park.







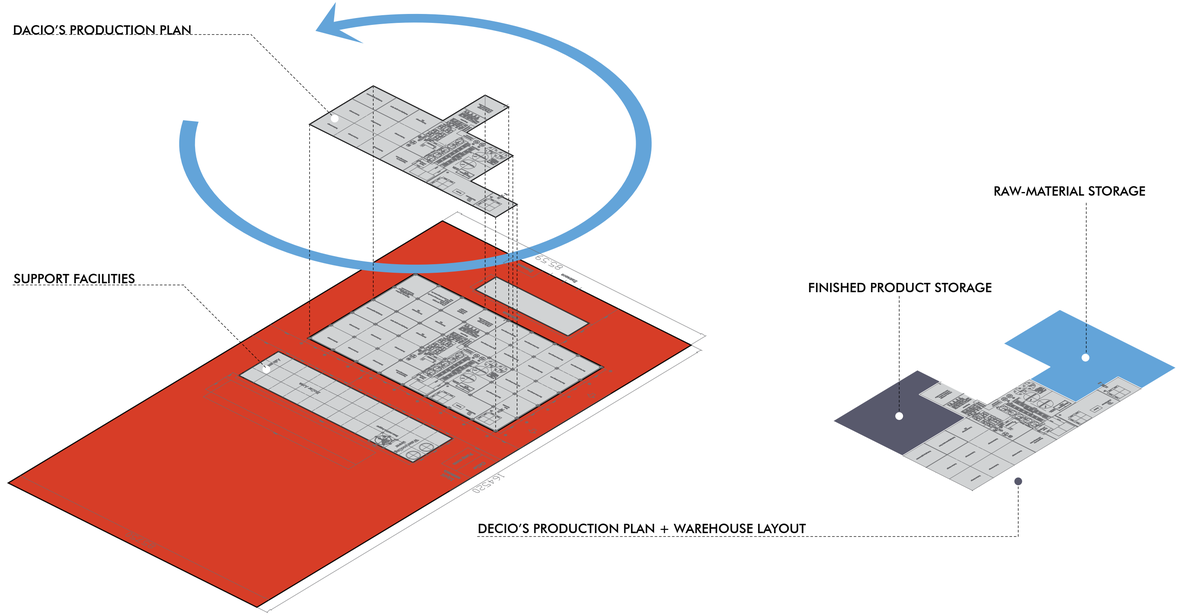
## SCHEMATIC DEVELOPMENT

CROWN SPRAY DRY COFFEE FACTORY

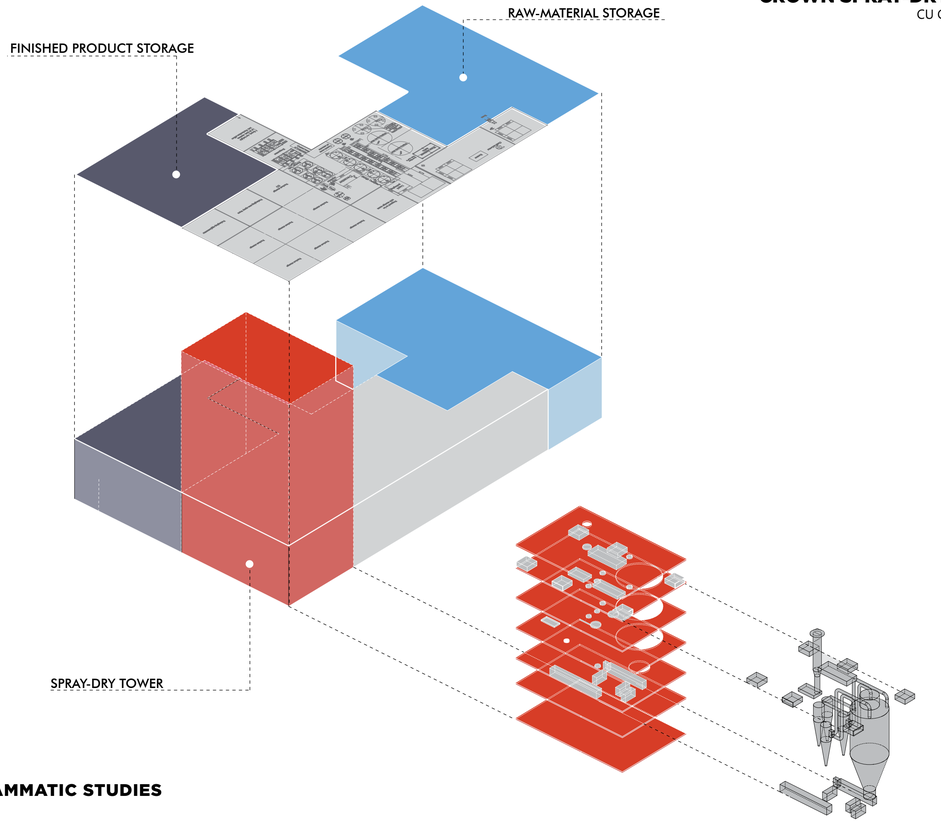
All programmatic spaces are laid out systematically to facilitate the sequence of usage to support the spray dry production line. Explorations were made as to the relationships that each mass has to one another to derive an overall architecture that communicates the formal boldness intended in the design.

**SCHEME DEVELOPMENT**

**CROWN SPRAY-DRY COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM

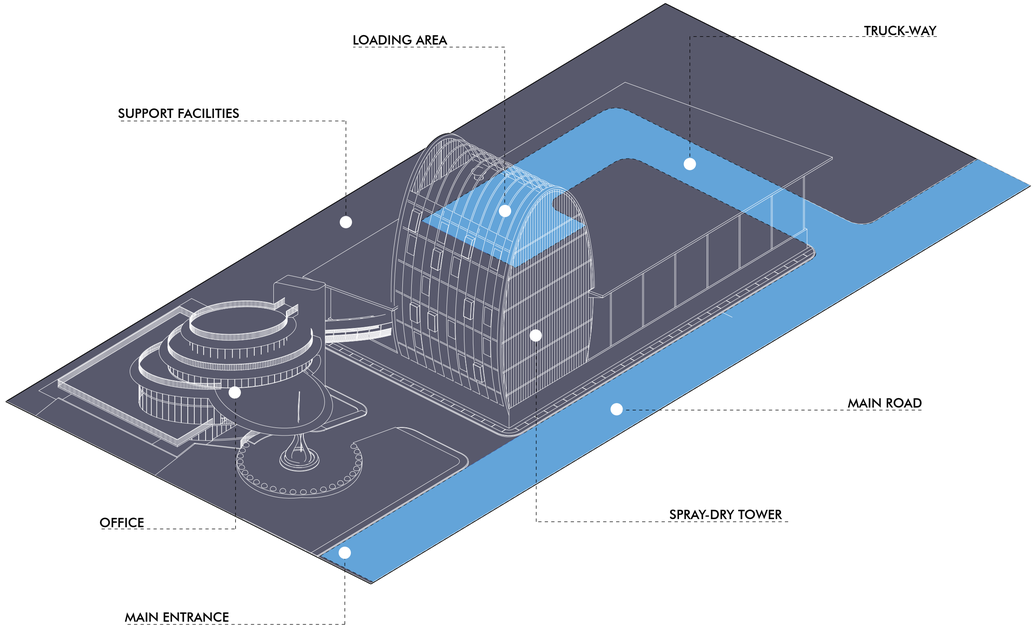



**PROGRAMMATIC STUDIES**




**PROGRAMMATIC STUDIES**

**CROWN SPRAY-DRY COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM

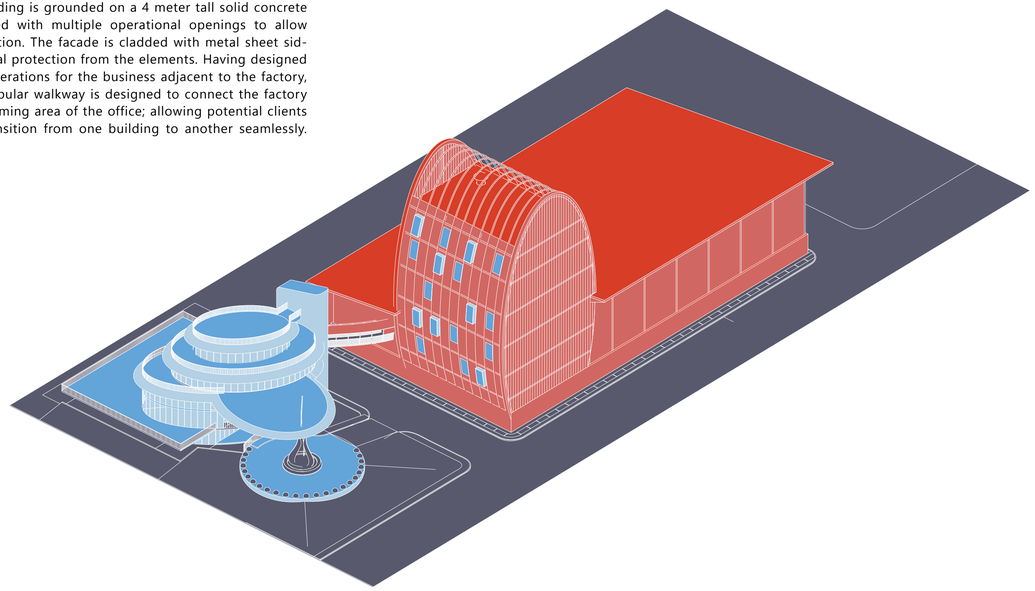



**FACILITIES**

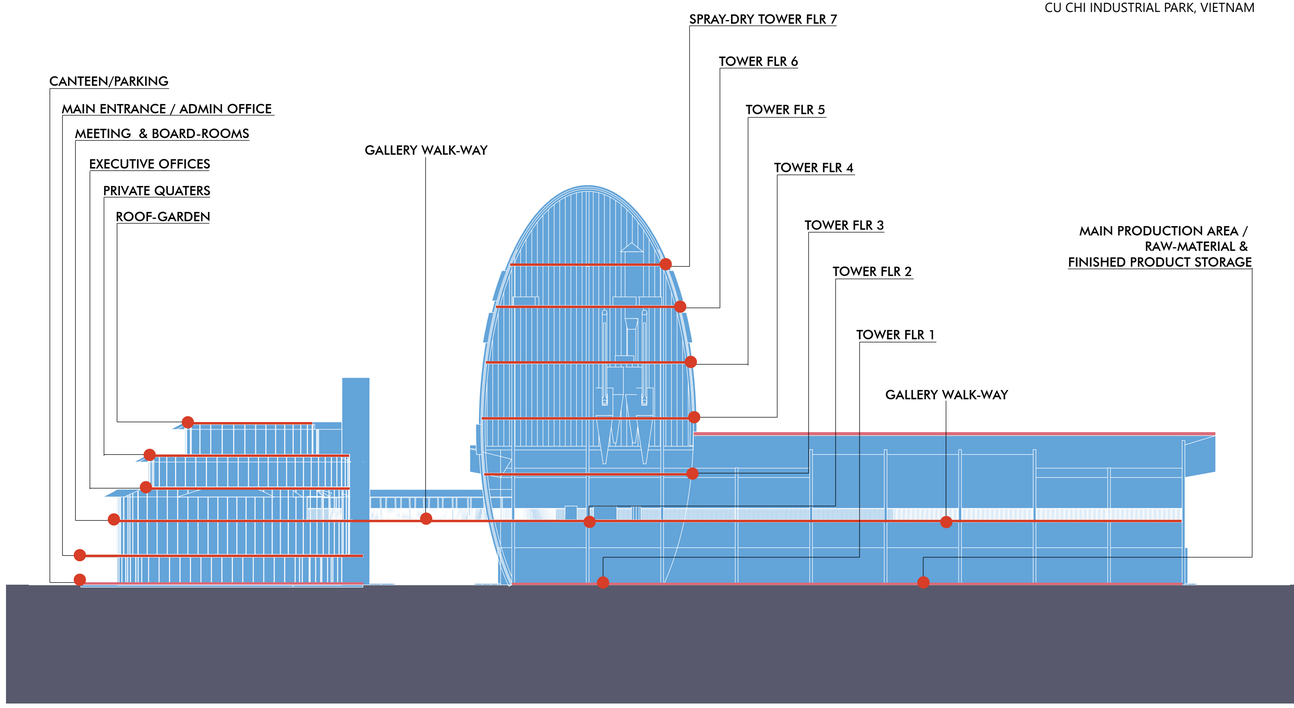
## SCHEMATIC DEVELOPMENT

CROWN SPRAY DRY COFFEE FACTORY

The building is grounded on a 4 meter tall solid concrete base perforated with multiple operational openings to allow natural ventilation. The facade is cladded with metal sheet sidings for optimal protection from the elements. Having designed an office of operations for the business adjacent to the factory, an elevated tubular walkway is designed to connect the factory with the welcoming area of the office; allowing potential clients to directly transition from one building to another seamlessly.

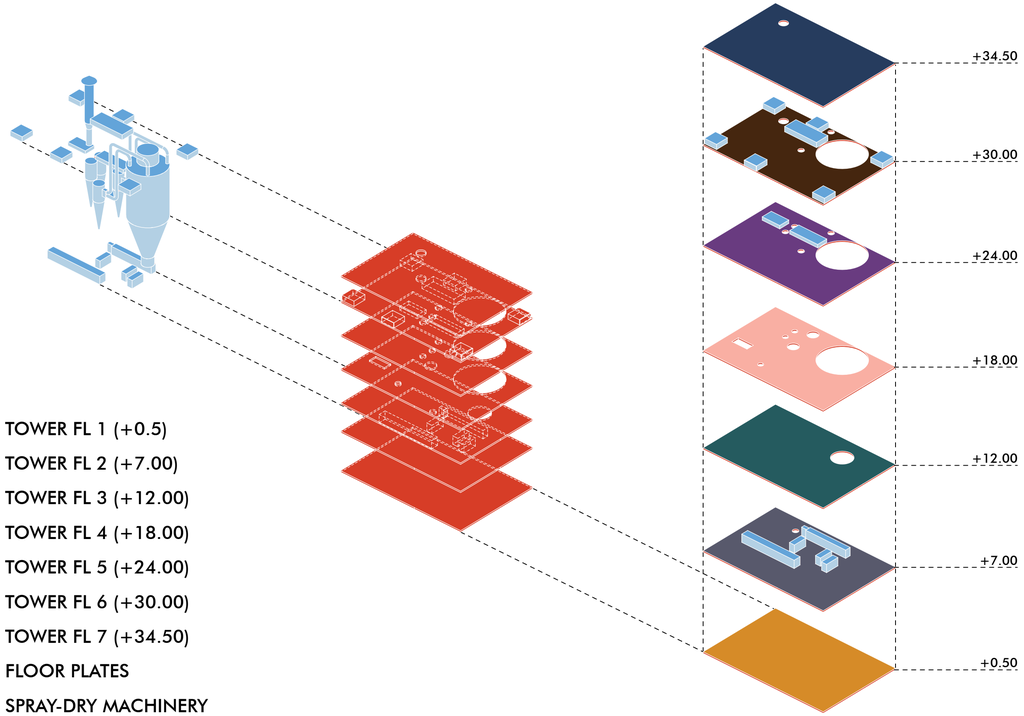


**RESULTING BUILDING MASS**




**PROGRAMMATIC LAYOUT**

## SPRAY-DRY TOWER LAYOUT




**CROWN SPRAY-DRY COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM





## INITIAL CONCEPT RENDERINGS

CROWN SPRAY-DRY COFFEE FACTORY



**CROWN SPRAY-DRY COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM



**CROWN SPRAY-DRY COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM



**INITIAL CONCEPT RENDERINGS**
CROWN SPRAY-DRY COFFEE FACTORY




**INITIAL CONCEPT RENDERINGS**
CROWN SPRAY-DRY COFFEE FACTORY

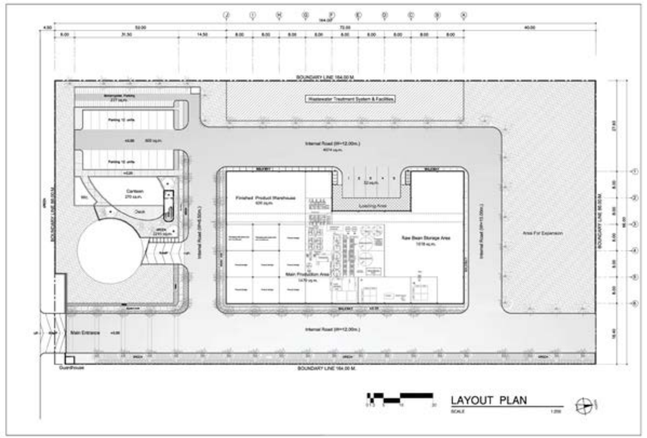




**CROWN SPRAY-DRY COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM

**INITIAL CONCEPT RENDERINGS**
CROWN SPRAY-DRY COFFEE FACTORY



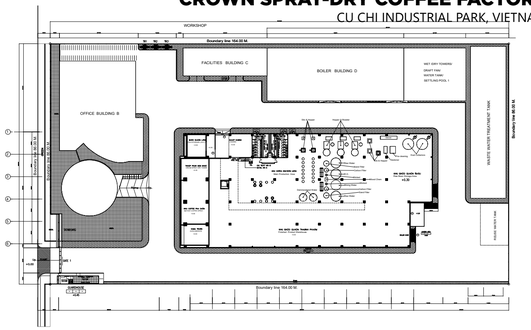



LAYOUT PLAN

SCALE 1:200

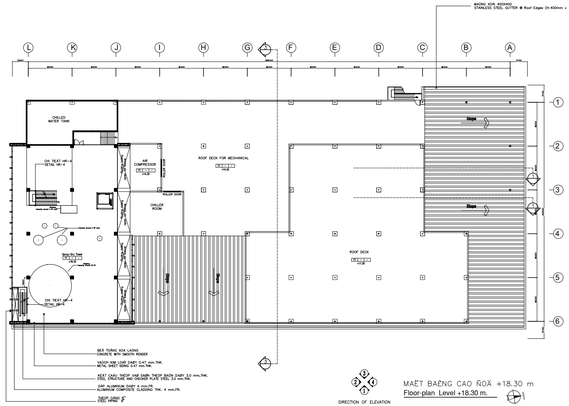
# CROWN SPRAY-DRY COFFEE FACTORY

CU CHI INDUSTRIAL PARK, VIETNAM




LAYOUT PLAN

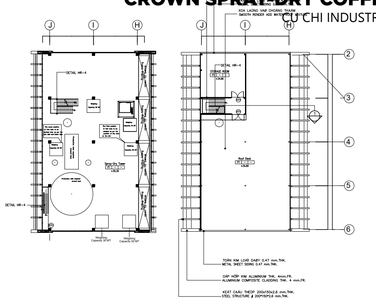
SCALE 1:200




DIRECTION OF ELEVATION

MAÉT BAÈNG CAO ÑOÄ +18.30 m

Floor-plan Level +18.30 m.




NHAØ MAÙY

FACTORY

MAÉT BAÈNG CAO ÑOÄ +30.30 m

Floor-plan Level +30.30 m.

SCAL 1:200

DIRECTION OF ELEVATION

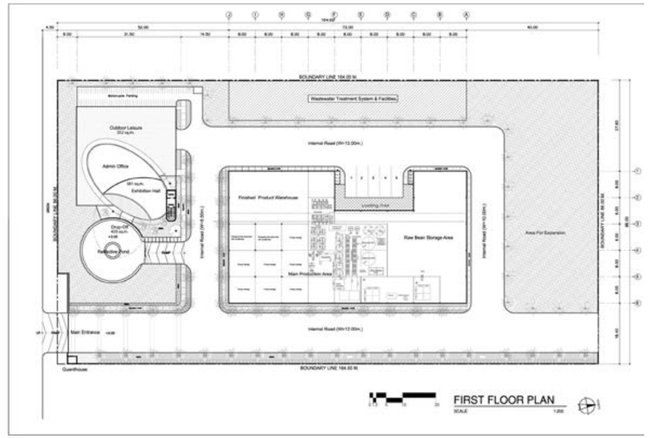
NHAØ MAÙY

FACTORY

MAÉT BAÈNG CAO ÑOÄ +34.80 m

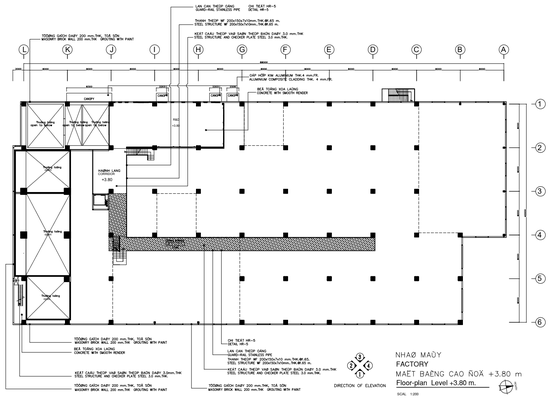
Floor-plan Level +34.80 m.

SCAL 1:200




FIRST FLOOR PLAN

SCALE 1:200




DIRECTION OF ELEVATION

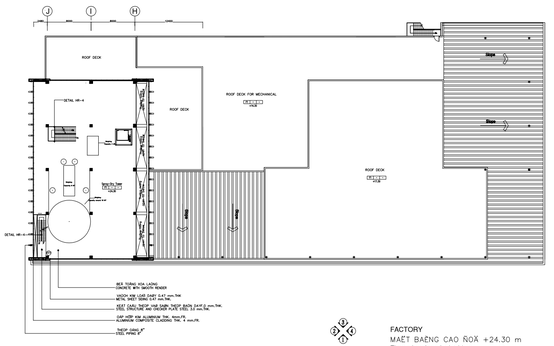
NHAØ MAÙY

FACTORY

MAÉT BAÈNG CAO ÑOÄ +3.80 m

Floor-plan Level +3.80 m.

SCAL 1:200



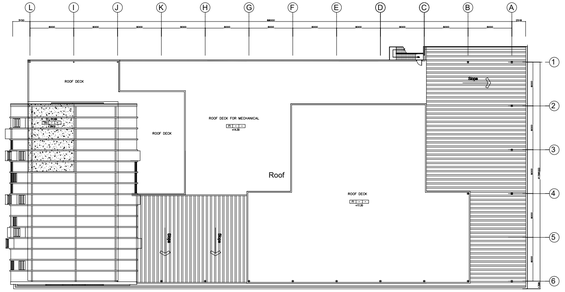

DIRECTION OF ELEVATION

FACTORY

MAÉT BAÈNG CAO ÑOÄ +24.30 m

Floor-plan Level +24.30 m.

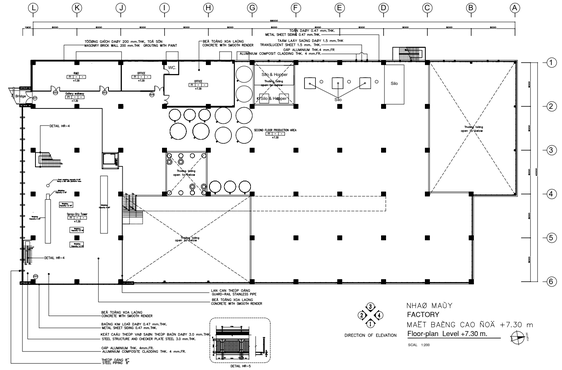
SCAL 1:200

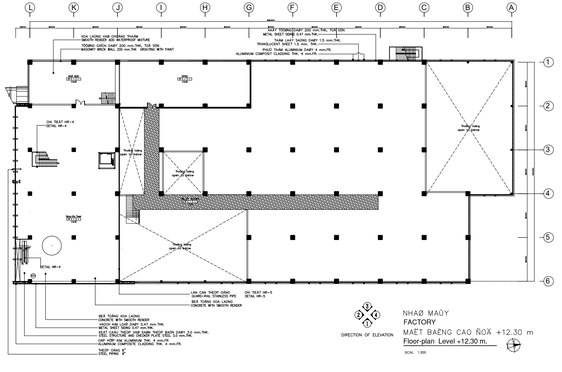



DIRECTION OF ELEVATION

MAÉT BAÈNG CAO ÑOÄ +38.30 m

Floor-plan Level +38.30 m.



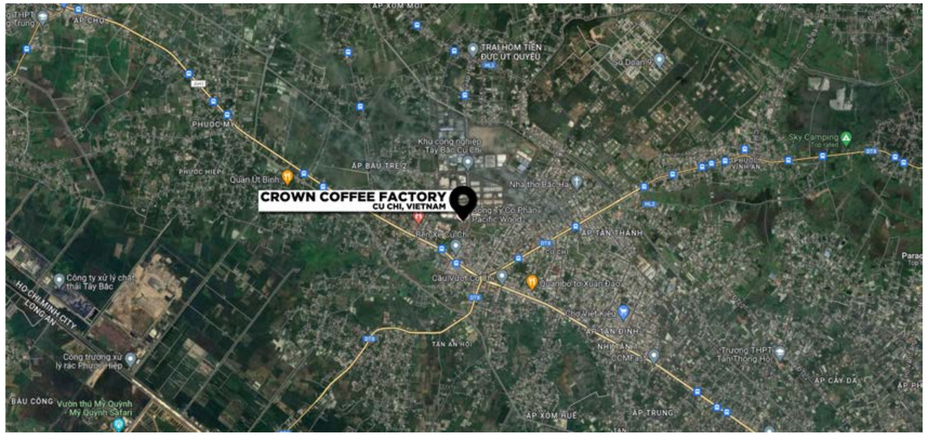

**CROWN SPRAY-DRY COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM

## CROWN HEADQUARTERS

CU CHI INDUSTRIAL PARK, VIETNAM (2015)
ROLE: PROJECT ARCHITECT

THE BRIEF:
(INNOVATION, ARCHITECTURE AS A MARKETING TOOL)

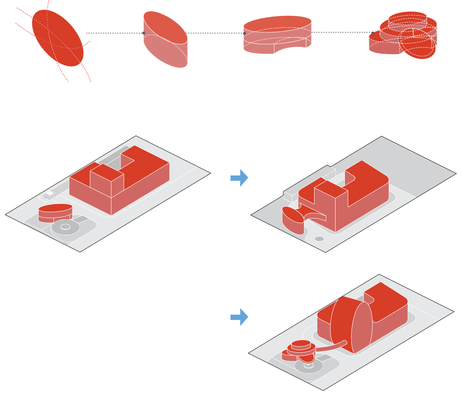
EXFORMA was approached by the owner of a multinational instant coffee supplier from Vietnam for a design of an office for his business's operations to be located in the Cu Chi Industrial Park, Vietnam. The requirement was a building strong in formal expression that would reflect his vision of a state-of-the-art spray dry coffee factory that would behave as a marketing tool that situates his business above his competitors while building trust for any potential clients visiting the factory.








## CROWN HEADQUARTERS
CU CHI INDUSTRIAL PARK, VIETNAM



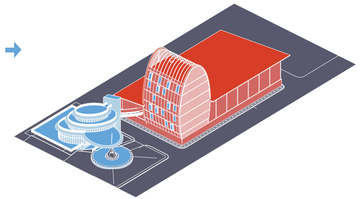
## BASIC FORM DERIVATION
THE SOLUTION:
(STRONG FORMAL EXPRESSION, JUXTAPOSITION, INTERSECTIONALITY)

The architect started forming the basic shape of the office by taking a literal inspiration from the shape of the coffee bean. In accordance with the spatial requirements, the building is formed as a staggered series of cylindrical masses on top of one another, differing in sizes to create outdoor balcony spaces.





## CROWN HEADQUARTERS
CU CHI INDUSTRIAL PARK, VIETNAM

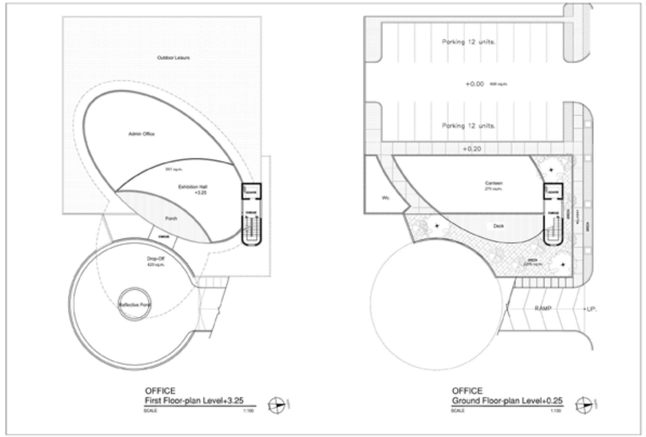


## BASIC FORM DERIVATION
THE SOLUTION:
(STRONG FORMAL EXPRESSION, JUXTAPOSITION, INTERSECTIONALITY)

Each level is designed with an open floor plan with glass facades, maximizing views in and out of the building while emphasizing the simplicity of the overall form. Each level is adorned with large overhangs and louvered shading systems, offsetting itself from the perimeter, further reinforcing the concept of the coffee bean curvature.

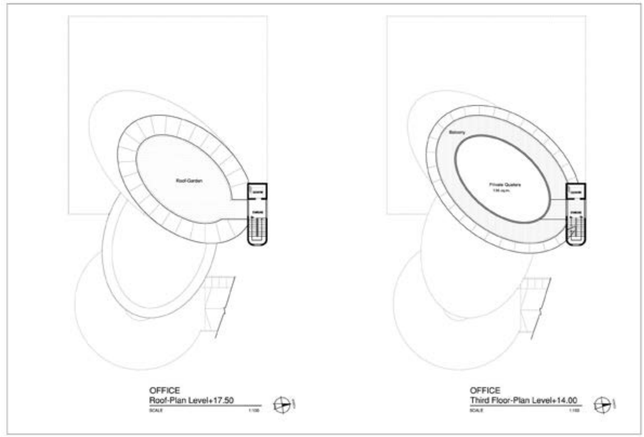






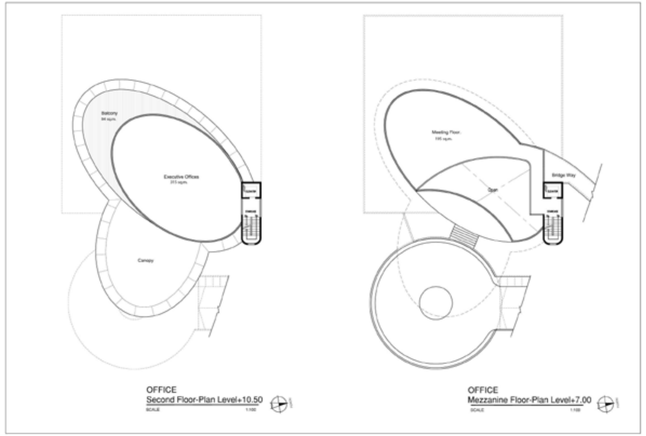

OFFICE
First Floor-plan Level+3.25

OFFICE
Ground Floor-plan Level+0.25




OFFICE
Roof-Plan Level+17.50

OFFICE
Third Floor-Plan Level+14.00




OFFICE
Second Floor-Plan Level+10.50

OFFICE
Mezzanine Floor-Plan Level+7.00

**CROWN HEADQUARTERS**
CU CHI INDUSTRIAL PARK, VIETNAM

**CROWN HEADQUARTERS**
CU CHI INDUSTRIAL PARK, VIETNAM



**ORIGINALLY INTENDED DESIGN**
CONCEPTUAL DESIGN



**CONTRACTOR MODIFIED DESIGN**
WITHOUT EXFORMA'S KNOWLEDGE

## CROWN HEADQUARTERS (RENOVATION)

CU CHI INDUSTRIAL PARK, VIETNAM (2022)
ROLE: LEAD ARCHITECT

THE BRIEF:
(REVERTING BACK TO CLARITY)

EXFORMA had completed the original design for Crown Coffee Office back in 2015 (see below) which focuses on an expression of formal boldness and architectural clarity. The building was originally articulated as a series of stacked cylindrical floor spaces differing in sizes, creating outdoor balconies. The exterior is cladded mainly with glass, resulting in a clear, simple, yet elegant facade. However, the original design was later modified (without the knowledge of EXFORMA) to incorporate large shear walls and a perforated skin which covers up a large area of the facade, resulting in a convoluted architectural expression. EXFORMA was later commissioned by the owner to revert the building (which was already built) to its original design intentions. Since many built elements are structural and cannot be removed, the main challenge was working with the existing built structure (floors and shear walls) in order to reestablish the original intentions of a clear and well articulated architectural design.





**BEFORE RENOVATION**
EXISTING CONSTRUCTED BUILDING

## RENDITION #1 (NOT CHOSEN)

CU CHI INDUSTRIAL PARK, VIETNAM

Renditions of the renovation of the office building were made by the consideration of replacing the existing perforated mesh skin that wraps the majority of the facade with a louver system which opens up the facade to exterior views while working to control sunlight inlet. This design however was not chosen as the final iteration since the client wanted to revert the design to the original intent which is an opened glass (curtain wall) facade.







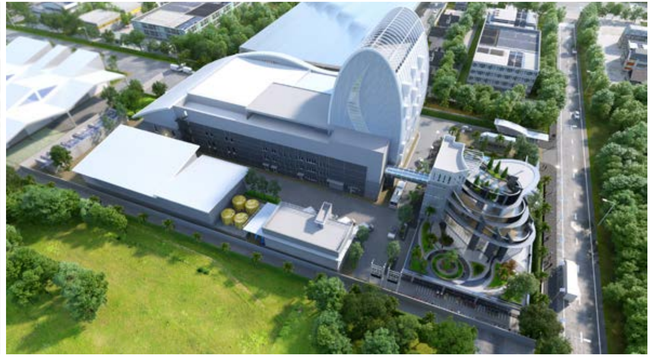


## RENDITION #1 (NOT CHOSEN)
CU CHI INDUSTRIAL PARK, VIETNAM









## CHOSEN RENDITION
CROWN HEADQUARTERS RENOVATION
ROLE: LEAD ARCHITECT



## CROWN HEADQUARTERS (RENOVATION)
CU CHI INDUSTRIAL PARK, VIETNAM
ROLE: LEAD ARCHITECT

THE SOLUTION:
(SUBTRACTION, SECONDARY ARCHITECTURAL ELEMENTS, EDGES TO CURVES)

EXFORMA formulated a design which involves removing facade elements that convoluted the original design. This includes removing the perforated mesh skin that was added to the facade as well as carefully removing parts of the shear walls (fins) that protruded from the structural plane. With the new clarity of the facade, architectural elements are then added such as curved louver shading devices forming usable balconies and glass guardrails which reemphasize the originally intended curvature of the building.





## CROWN HEADQUARTERS (RENOVATION)
CU CHI INDUSTRIAL PARK, VIETNAM

THE SOLUTION:
(SUBTRACTION, SECONDARY ARCHITECTURAL ELEMENTS,
EDGES TO CURVES)

In trying to reestablish curvature, a crucial move was made by adding curvature to all edges of the added shear walls; a seemingly small move which creates a strong formal impact on the architectural expression of the building. Overall, the resulting design represents a reimagined building that conforms to the original intent of the design which is a clearly articulated curved office building whose design could stand the test of time.





## CROWN HEADQUARTERS (RENOVATION)
CU CHI INDUSTRIAL PARK, VIETNAM










**CROWN HEADQUARTERS (RENOVATION)**
CU CHI INDUSTRIAL PARK, VIETNAM



**CROWN HEADQUARTERS (RENOVATION)**
CU CHI INDUSTRIAL PARK, VIETNAM





**CROWN HEADQUARTERS (RENOVATION)**
CU CHI INDUSTRIAL PARK, VIETNAM

## YOSKARN CLINIC BANGKAE

BANGKAE, BANGKOK (2023)
ROLE: DESIGN LEAD, CONTRACTOR

THE BRIEF:
(FUNCTIONALITY IN TIGHT SPACES, TIMELESSNESS)

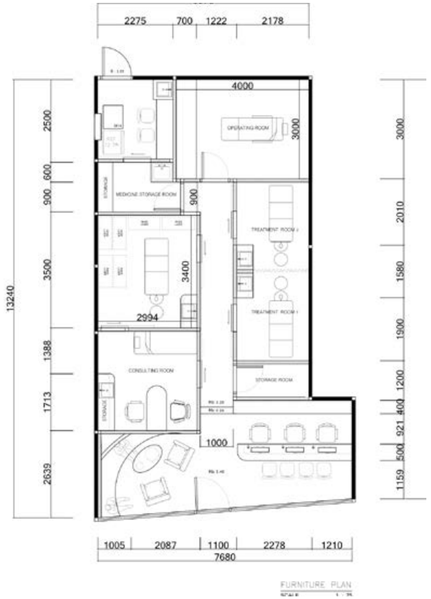
Yoskarn Clinic is an established chain of beauty and plastic surgery clinics with more than 30 years of history in the business. With a wide range of services provided, the owners wanted to convey the longevity of their establishment while standing out to the competition in a subtle yet effective way. The first challenge is to seamlessly transcribe the day to day functionalities from the previous location to a now smaller and narrower rental space. The second challenge is trying to create as much storage area as possible within the tight space available. The third challenge is in the time frame since the owners have an obligation to move into the new space within about 60 days; leaving room for only 30 days for design and 30 days for construction.












## YOSKARN CLINIC BANGKAE

BANGKAE, BANGKOK
ROLE: DESIGN LEAD, CONTRACTOR

THE SOLUTION:
(PROGRAMMATIC ARRANGEMENT,
ELEGANCE IN SIMPLICITY)

The architect formulates a solution to the lack of space by carefully analyzing the usage sequences of each space. Understanding the flow of usage allows the effective grouping and organization of rooms to maximize usability.






## YOSKARN CLINIC BANGKAE

BANGKAE, BANGKOK








**YOSKARN CLINIC BANGKAE**
BANGKAE, BANGKOK

The reception area is allocated towards the frontal facade equipped with built-in seatings. A corridor is placed in the center connecting consultation rooms, laser surgery rooms, and treatment rooms according to the sequence of usage. The staff room together with the medicine storage area are grouped and placed toward the back of the space.



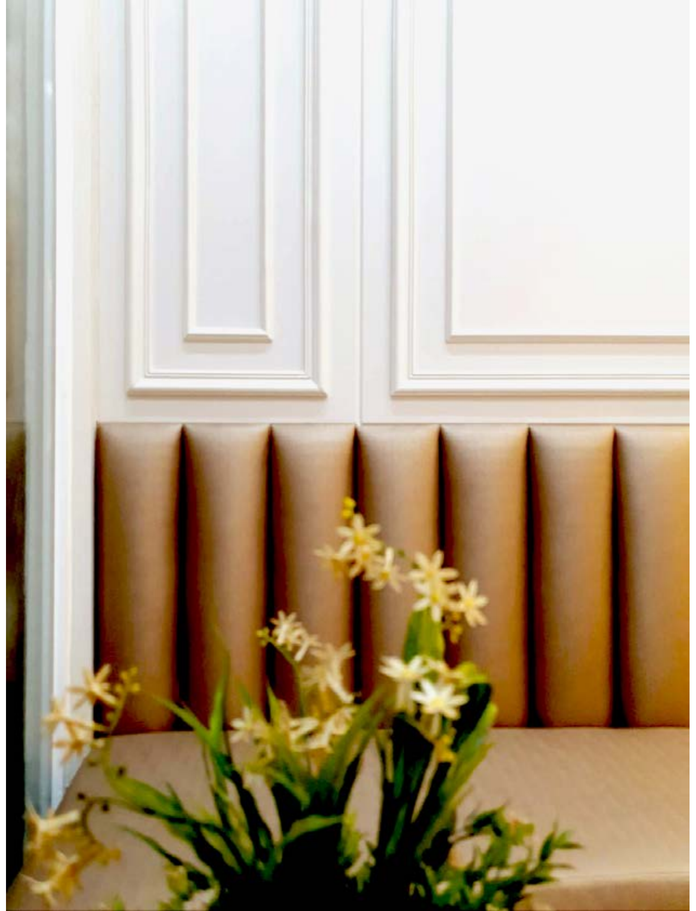
**YOSKARN CLINIC BANGKAE**
BANGKAE, BANGKOK







**YOSKARN CLINIC BANGKAE**
BANGKAE, BANGKOK





**YOSKARN CLINIC BANGKAE**
BANGKAE, BANGKOK






**YOSKARN CLINIC BANGKAE**
BANGKAE, BANGKOK









**YOSKARN CLINIC BANGKAE**
BANGKAE, BANGKOK

THE SOLUTION:
(PROGRAMMATIC ARRANGEMENT,
ELEGANCE IN SIMPLICITY)

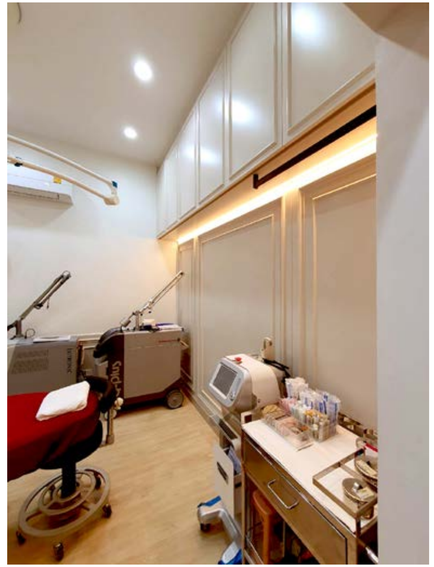
In order to convey a sense of timelessness, the whole space is adorned by a mixture of built-in interior partitions and storage spaces realized in a subtle yet elegant stylistic way that borrows from the classical and the contemporary. The color scheme is expressed in a controlled palette of soft whites, pale pinks, and cool grays.

**YOSKARN CLINIC BANGKAE**
BANGKAE, BANGKOK






**YOSKARN CLINIC BANGKAE**
BANGKAE, BANGKOK



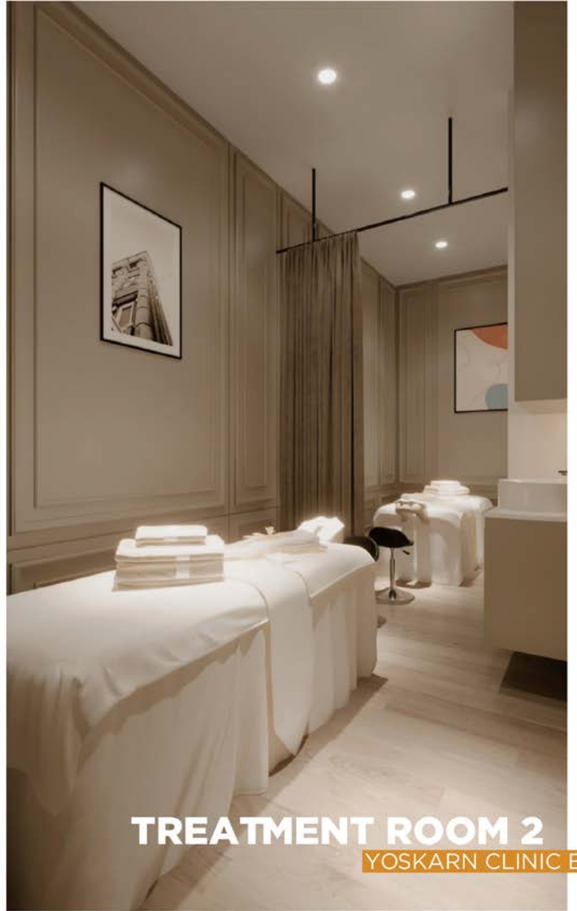
**LASER ROOM**
YOSKARN CLINIC BANGKAE





**YOSKARN CLINIC BANGKAE**
BANGKAE, BANGKOK

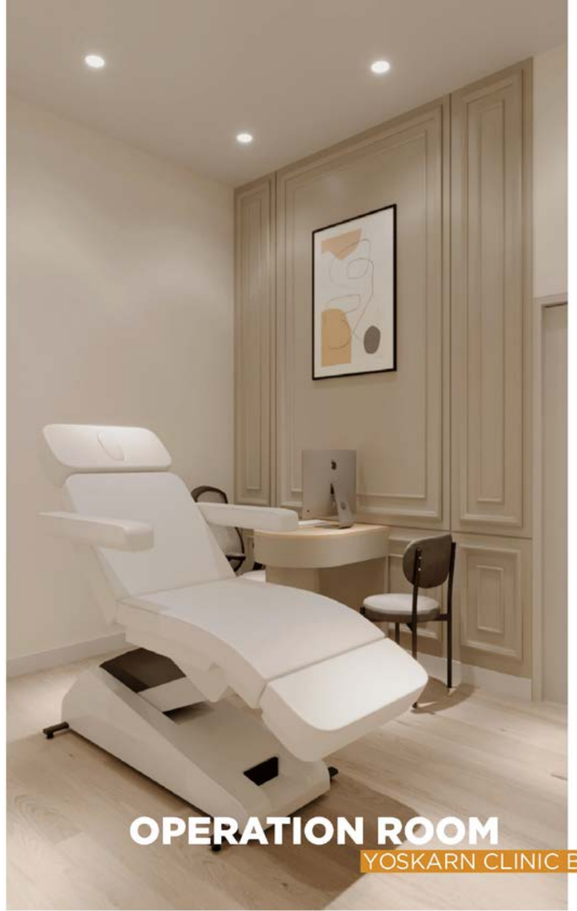








**YOSKARN CLINIC BANGKAE**
BANGKAE, BANGKOK



# OPERATION ROOM
YOSKARN CLINIC BANGKAE







**YOSKARN CLINIC BANGKAE**
BANGKAE, BANGKOK

## INTERCAFE FREEZE-DRIED COFFEE FACTORY

CU CHI INDUSTRIAL PARK, VIETNAM
ROLE: LEAD ARCHITECT

THE BRIEF:
(MARKETING THROUGH ARCHITECTURAL DESIGN)

Intercafe Freeze-Dried Coffee Factory is EXFORMA's second collaboration with an owner of a multinational coffee supplier. EXFORMA had previously designed a spray-dry coffee factory for the owner whose construction has been completed. Given the success of the previous design, the owner approached EXFORMA with the commission of a new freeze-dried coffee factory to be located on the lot of land perpendicular to the previous project.

With the previous design embodying a strong formal expression in a modernistic tone, the new design is to represent a departure from the old; embracing a new set of sustainable and stylistic sensibilities from a more contemporary standpoint. The owner wanted a design that would behave as the key marketing tool for his coffee business, creating an impactful impression for his prospective B2B clients.



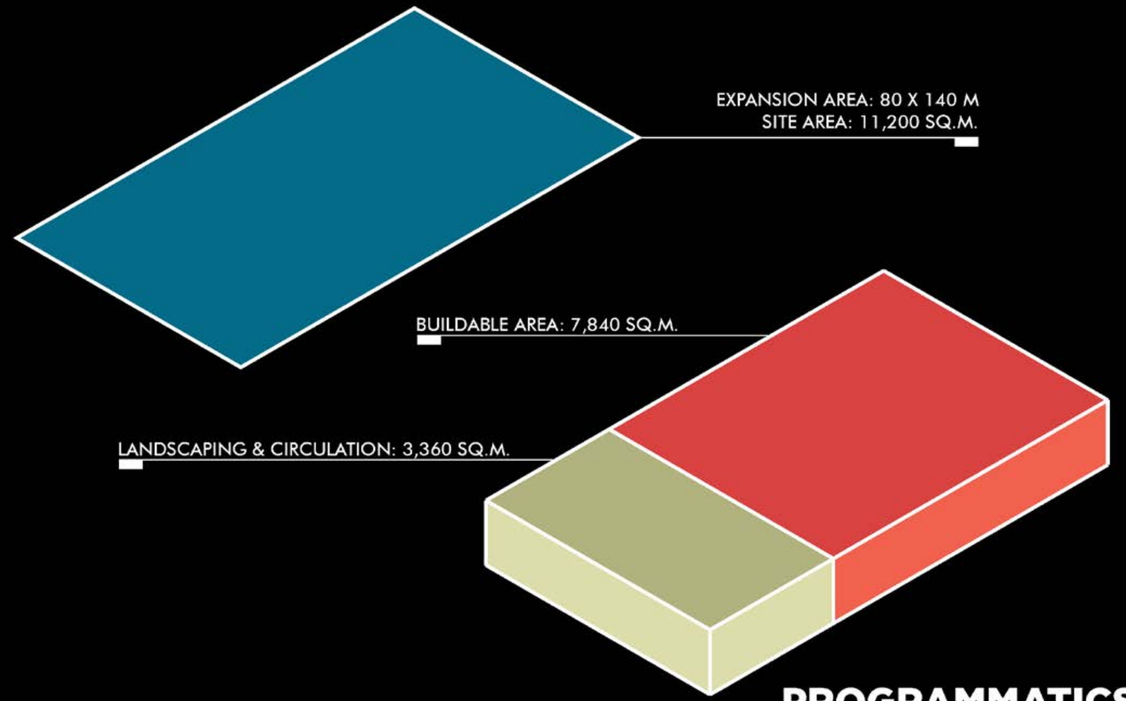
## INTERCAFE FREEZE-DRIED COFFEE FACTORY

CU CHI INDUSTRIAL PARK, VIETNAM (2023)
ROLE: LEAD ARCHITECT

THE SOLUTION:
(SUSTAINABLE SENSIBILITY, CONTEMPORARY DESIGN)

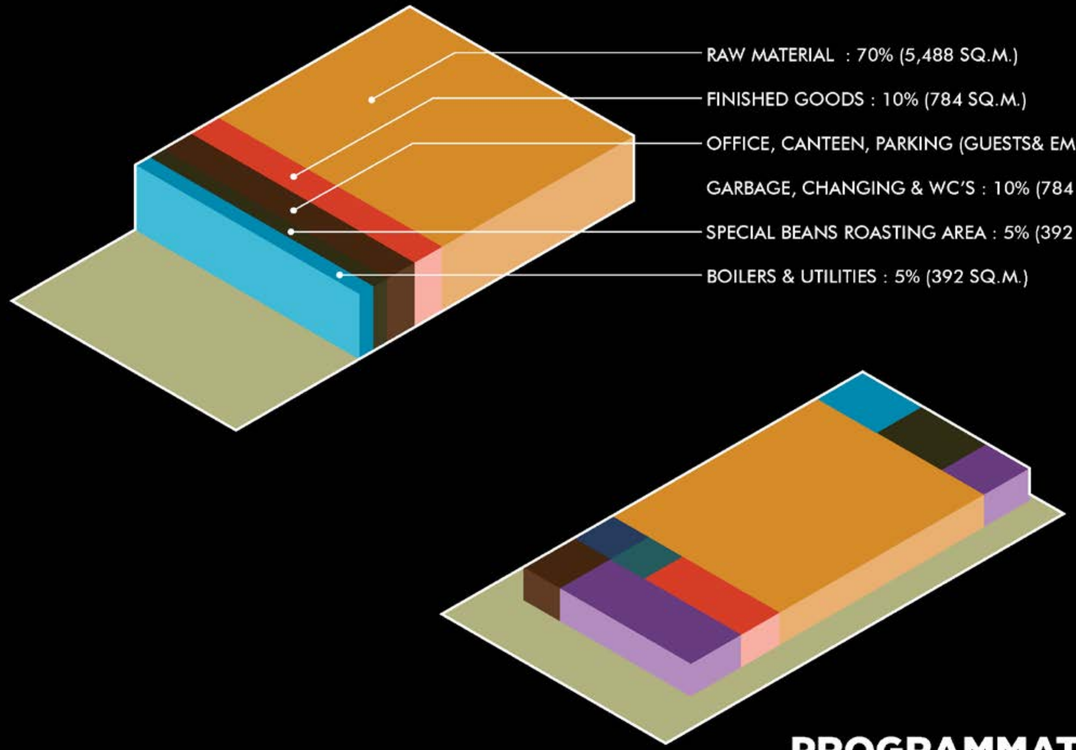
To formulate a cohesive design for this 11,000 sq.m. project, the architect conducted extensive site research on the environmental aspects and regulatory requirements of the Cu Chi Industrial Park that may prove useful in setting the parameters for design. The key aspects that informed the design were the predominant sunlight path, the programmatic requirements of the project itself, and the proximity of the site to other programs in the industrial park.



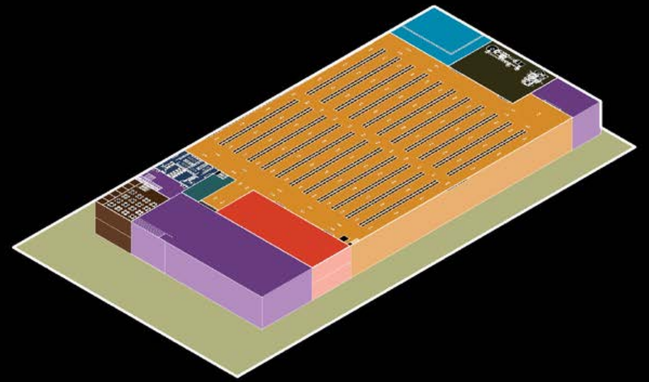




## PROGRAMMATICS

INTERCAFE FACTORY




**PROGRAMMATICS**
INTERCAFE FACTORY



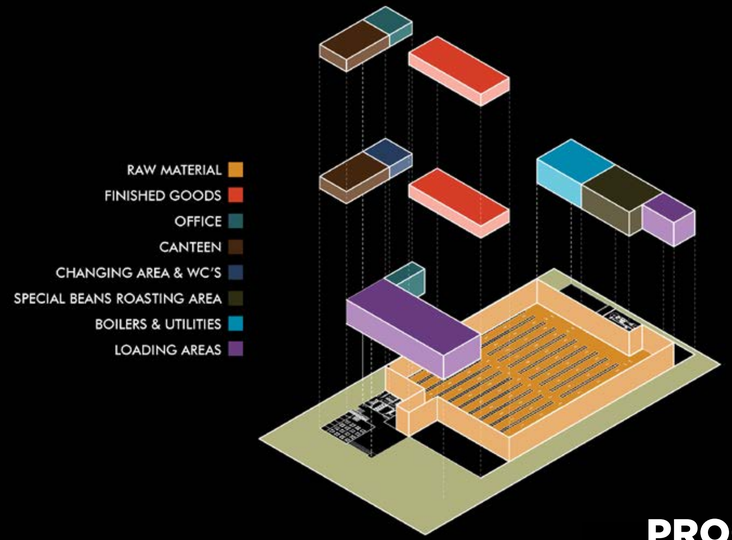
- RAW MATERIAL
- FINISHED GOODS
- OFFICE
- CANTEEN
- CHANGING AREA & WC'S
- SPECIAL BEANS ROASTING AREA
- BOILERS & UTILITIES
- LOADING AREAS

**PROGRAMMATICS**
INTERCAFE FACTORY

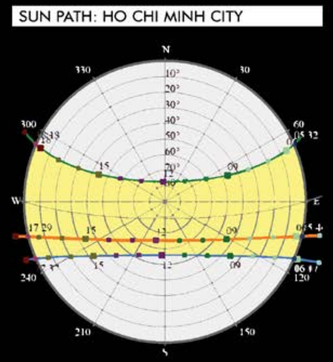
**INTERCAFE FREEZE-DRIED COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM

THE SOLUTION:
(SUSTAINABLE SENSIBILITY, CONTEMPORARY DESIGN)

Firstly, all functional spaces are organized in accordance to the best possible sequence of operations. The loading dock, canteen area, operations office are located towards the frontal approach followed by the freeze dried production line, the supporting machineries/boilers, and special beans roasting area.

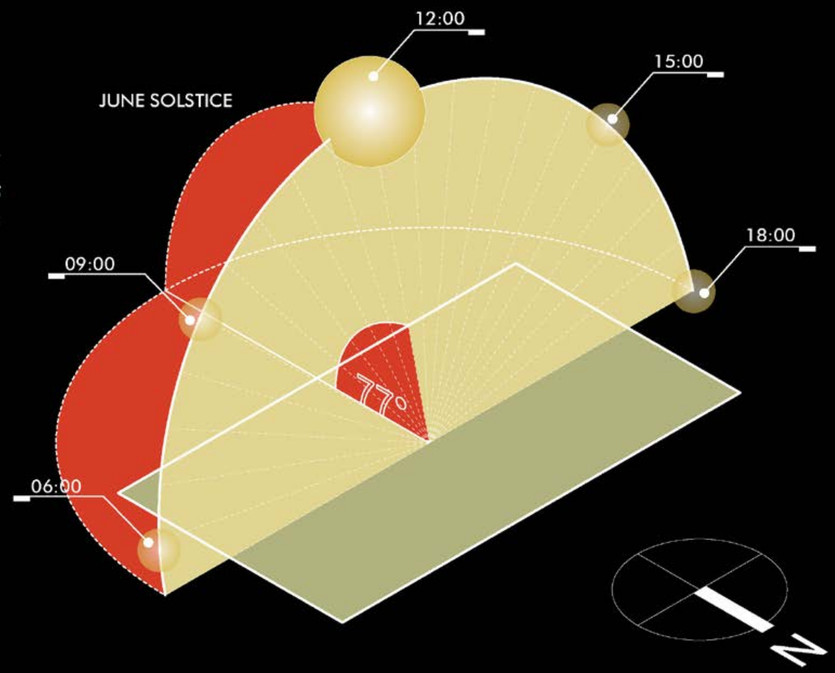



# PROGRAMMATICS
INTERCAFE FACTORY

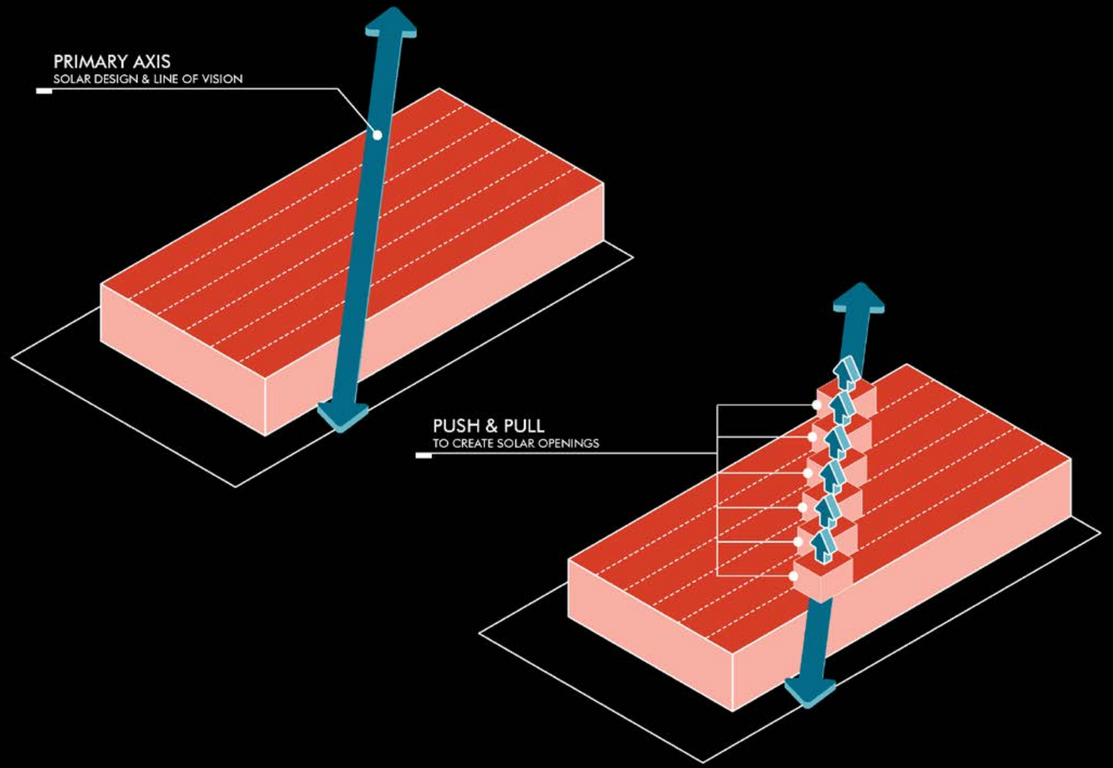



- OCTOBER
- JUNE SOLSTICE
- DECEMBER SOLSTICE
- ANNUAL VARIATION

Summer mean temperatures vary between 25 to 30 °C (77 to 86 °F). The highest temperatures normally occurs in March–May in the south and May–July in the north (gaisma).

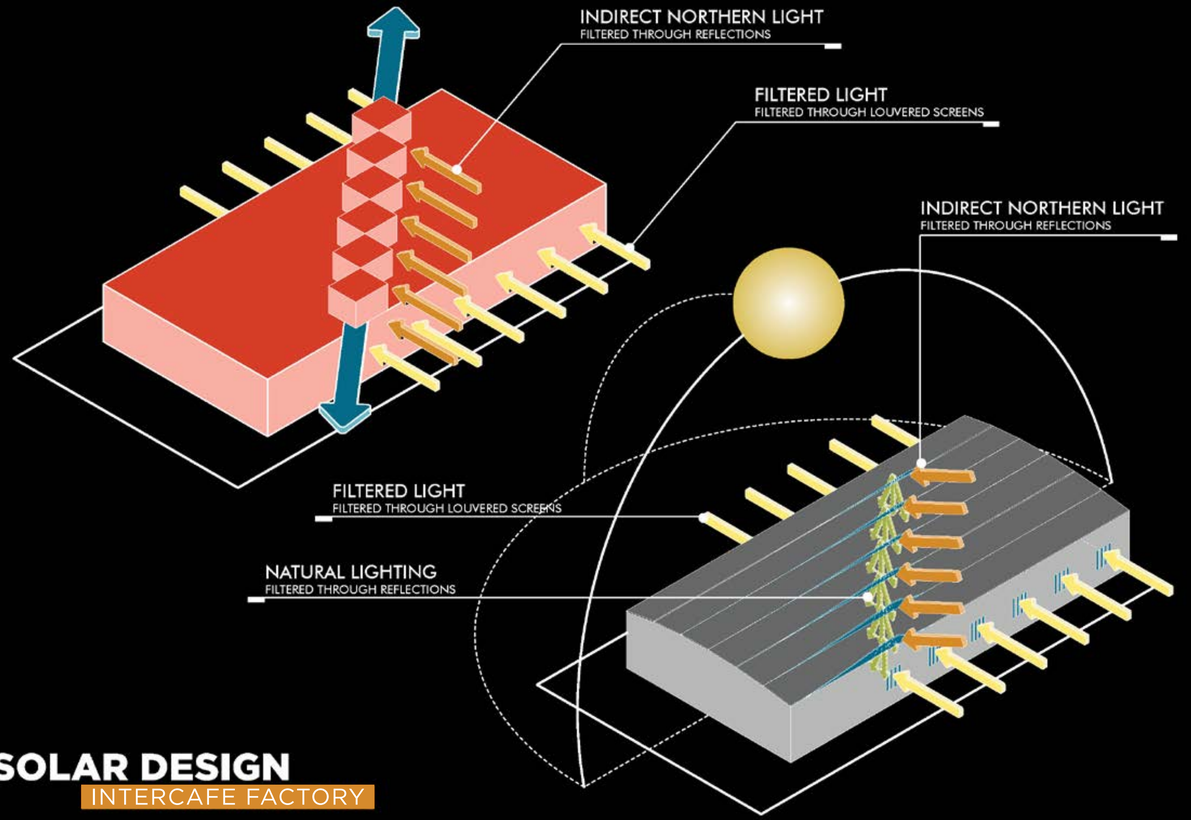



# SUN DIAGRAM
INTERCAFE FACTORY




# SOLAR DESIGN

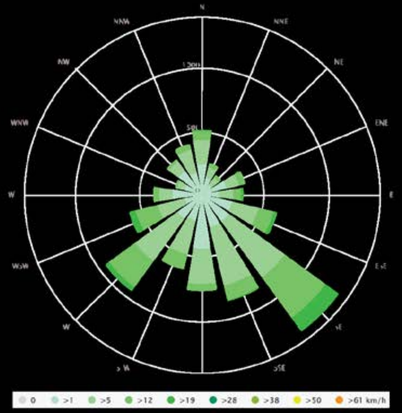
INTERCAFE FACTORY



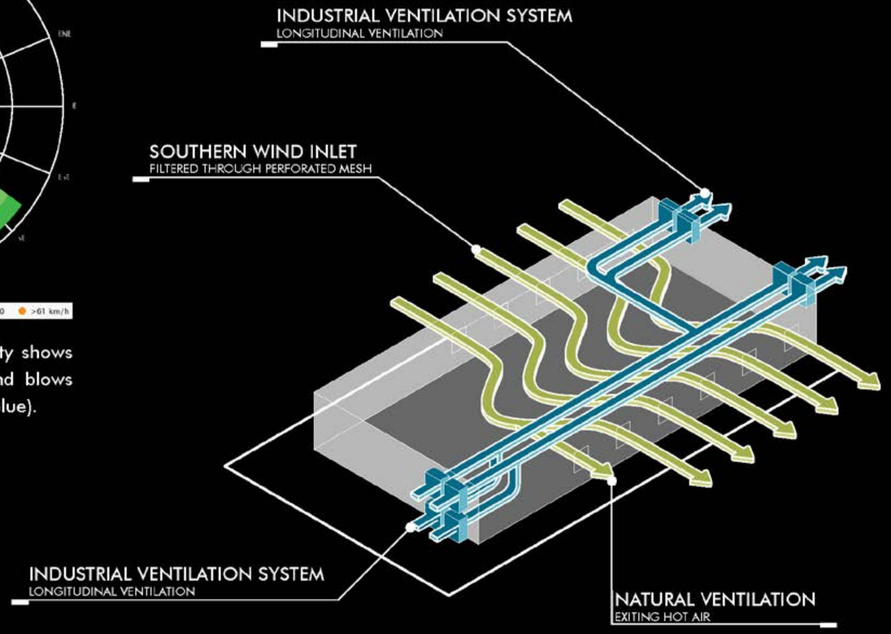

SOLAR DESIGN

INTERCAFE FACTORY

WIND ROSE: HO CHI MINH CITY



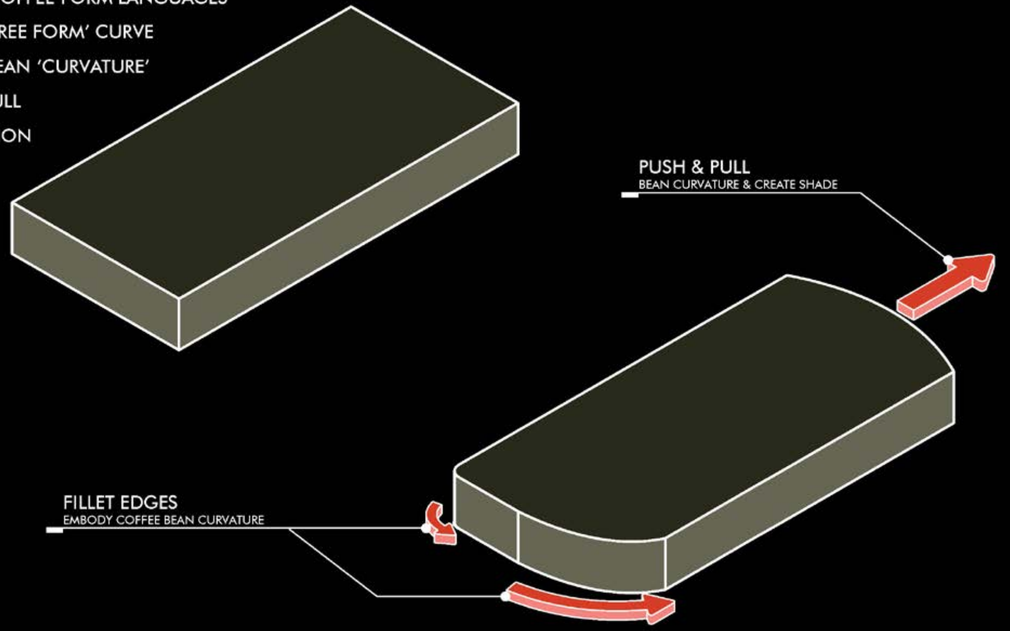

The wind rose for Ho Chi Minh City shows how many hours per year the wind blows from the indicated direction (meteoblue).



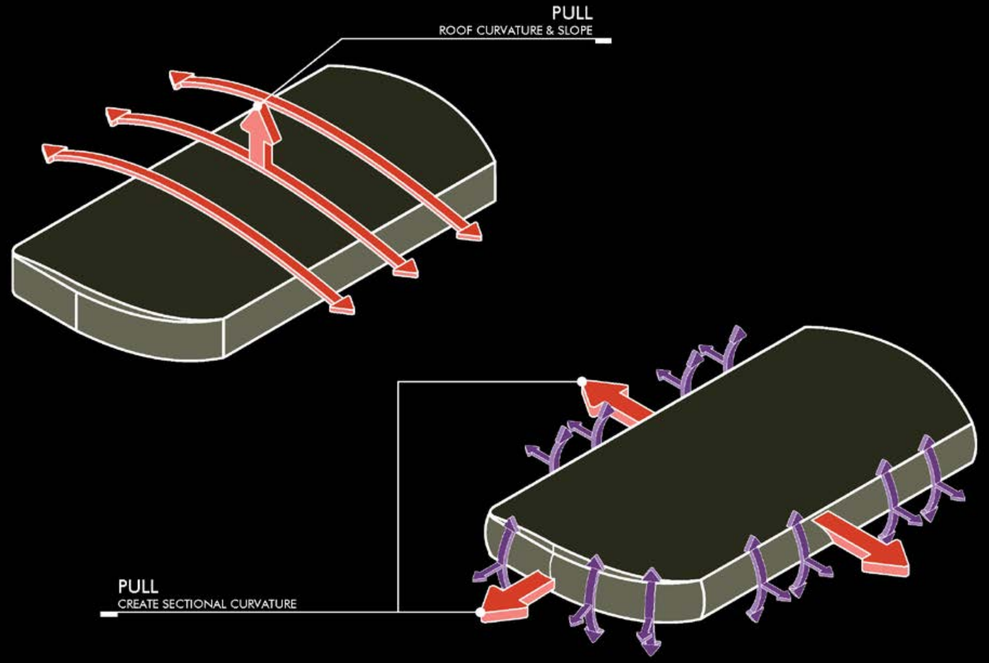

# VENTILATION
INTERCAFE FACTORY

FORM CONCEPTS:

-CROWN COFFEE FORM LANGUAGES
-MIMICK 'FREE FORM' CURVE
-COFFEE BEAN 'CURVATURE'
-PUSH & PULL
-PERFORATION

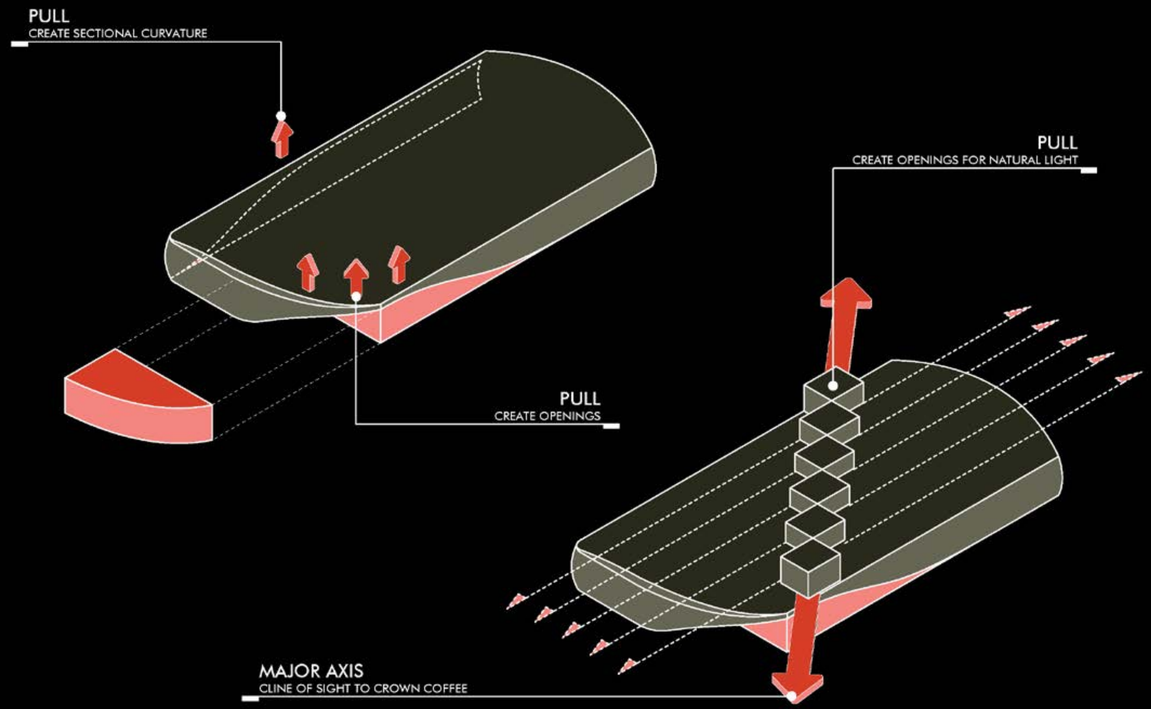



# FORM DERIVATION
INTERCAFE FACTORY



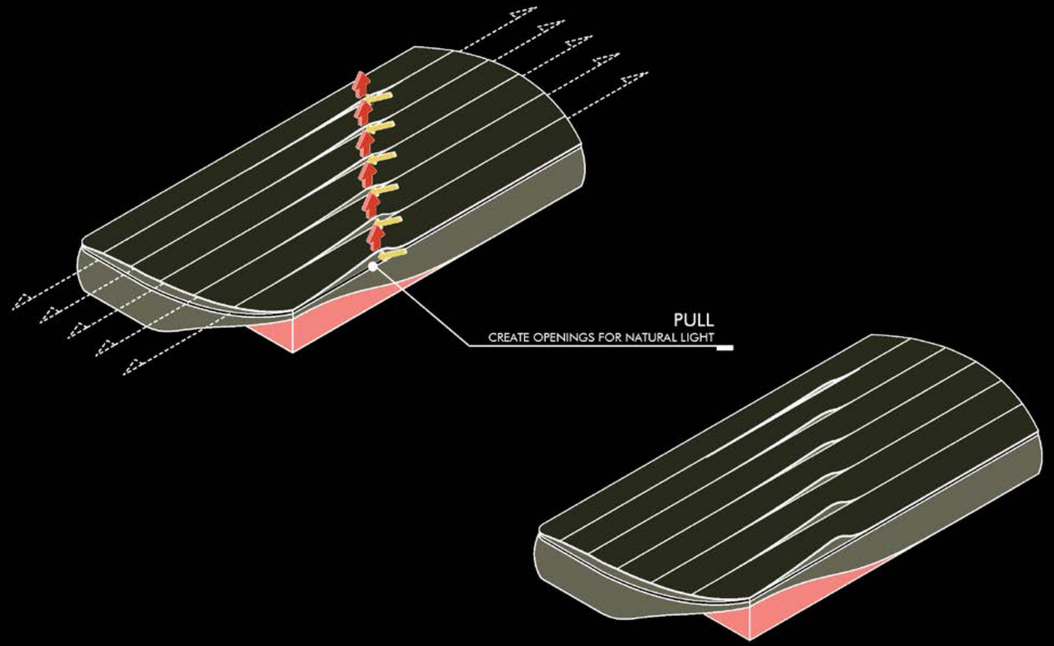

# FORM DERIVATION

INTERCAFE FACTORY

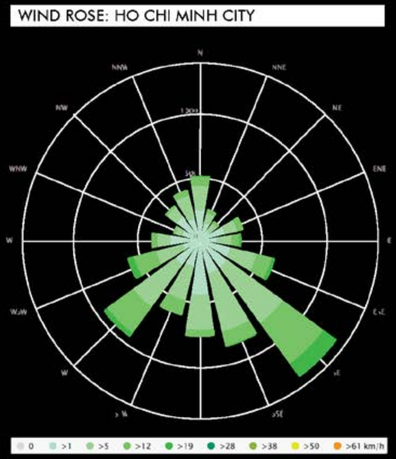



FORM DERIVATION

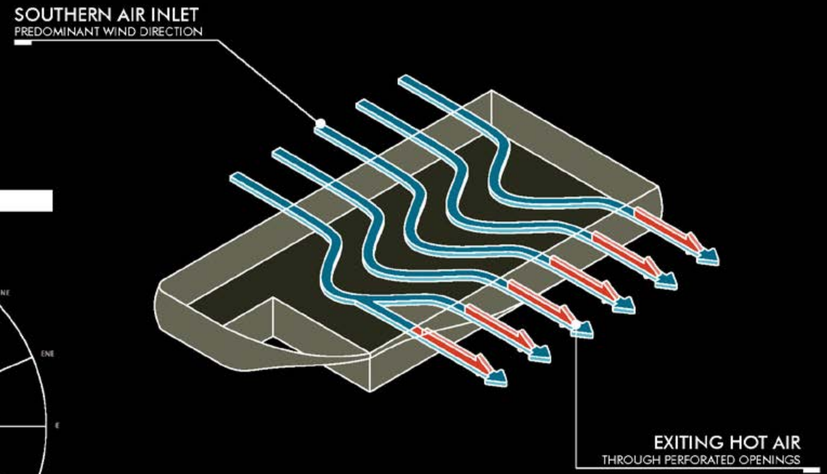
INTERCAFE FACTORY




## FORM DERIVATION
INTERCAFE FACTORY




The wind rose for Ho Chi Minh City shows how many hours per year the wind blows from the indicated direction (meteoblue).

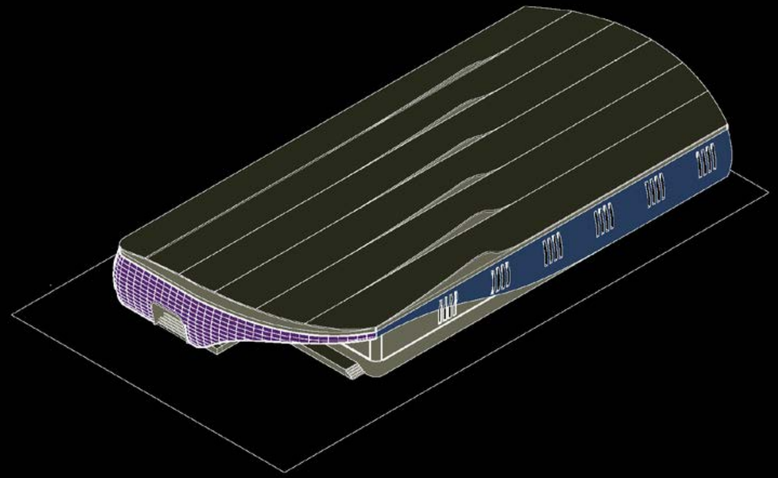



FORM DERIVATION
INTERCAFE FACTORY

**INTERCAFE FREEZE-DRIED COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM

THE SOLUTION:
(SUSTAINABLE SENSIBILITY, CONTEMPORARY DESIGN)

The form of the building is derived through a series of iterations involving the act of "pushing and pulling" each edge of the mass to create curvatures suggestive of the coffee bean in a contemporary expression. The sun axis is drawn on the roof, creating manipulation 'pull' points for curved openings that would allow indirect natural light inlet. Multiple openings allow for the predominant southern wind to enter and create natural ventilation for the building.

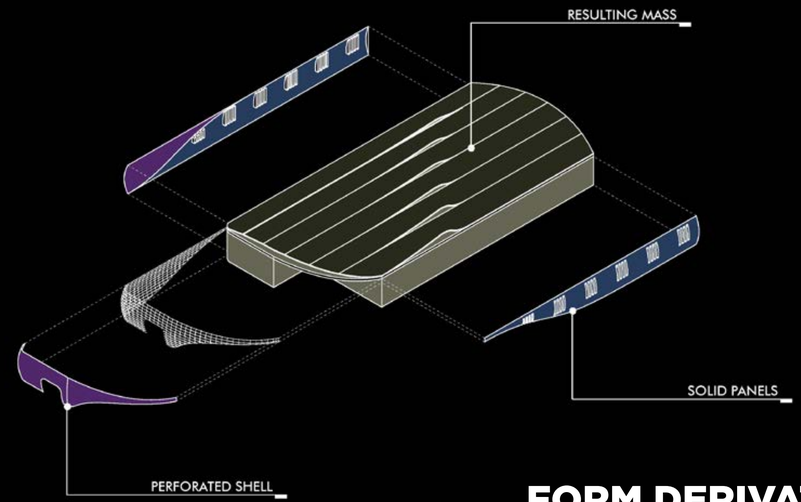


# FINAL FORM SCHEMATIC
INTERCAFE FACTORY

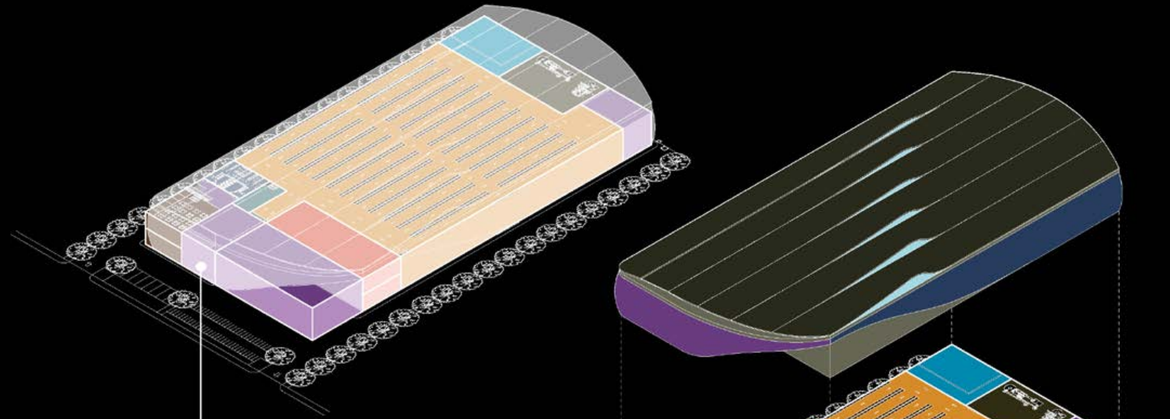
**INTERCAFE FREEZE-DRIED COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM

THE SOLUTION:
(SUSTAINABLE SENSIBILITY, CONTEMPORARY DESIGN)

The 'skin' of the building is specially considered and consists of a combination of perforated aluminum meshes and solid aluminum panels. The canteen is cladded with a glass curtain wall and is shaded by perforated aluminum meshes, allowing views out while partially letting sunlight in. The same perforated skin encompasses the frontal areas of the factory, being 'pulled up' to create a loading dock. The curved aluminum cladding creates a skin for the whole factory expressed in a cohesive design expression reflecting the innovative vision set by the owner for his state-of-the-art factory.

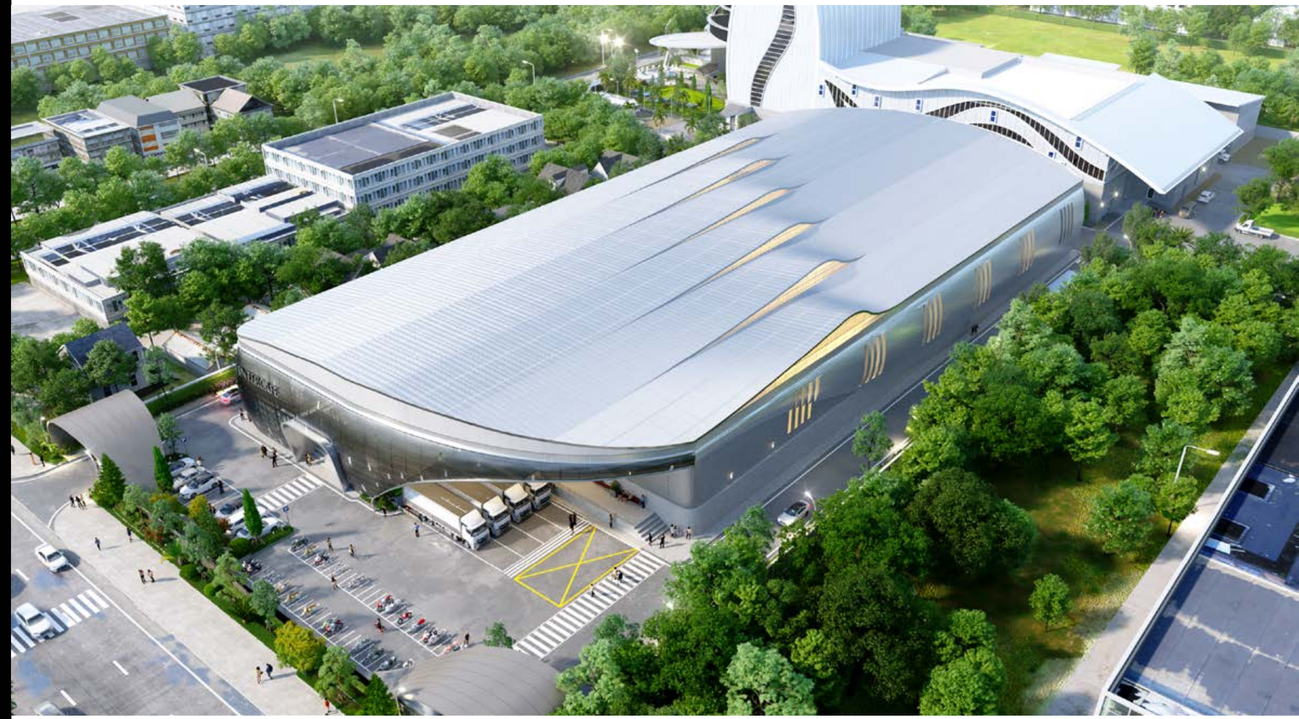



# FORM DERIVATION
INTERCAFE FACTORY




# FORM INTEGRATION

INTERCAFE FACTORY



**INTERCAFE FREEZE-DRIED COFFEE FACTORY**

CU CHI INDUSTRIAL PARK, VIETNAM



**INTERCAFE FREEZE-DRIED COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM



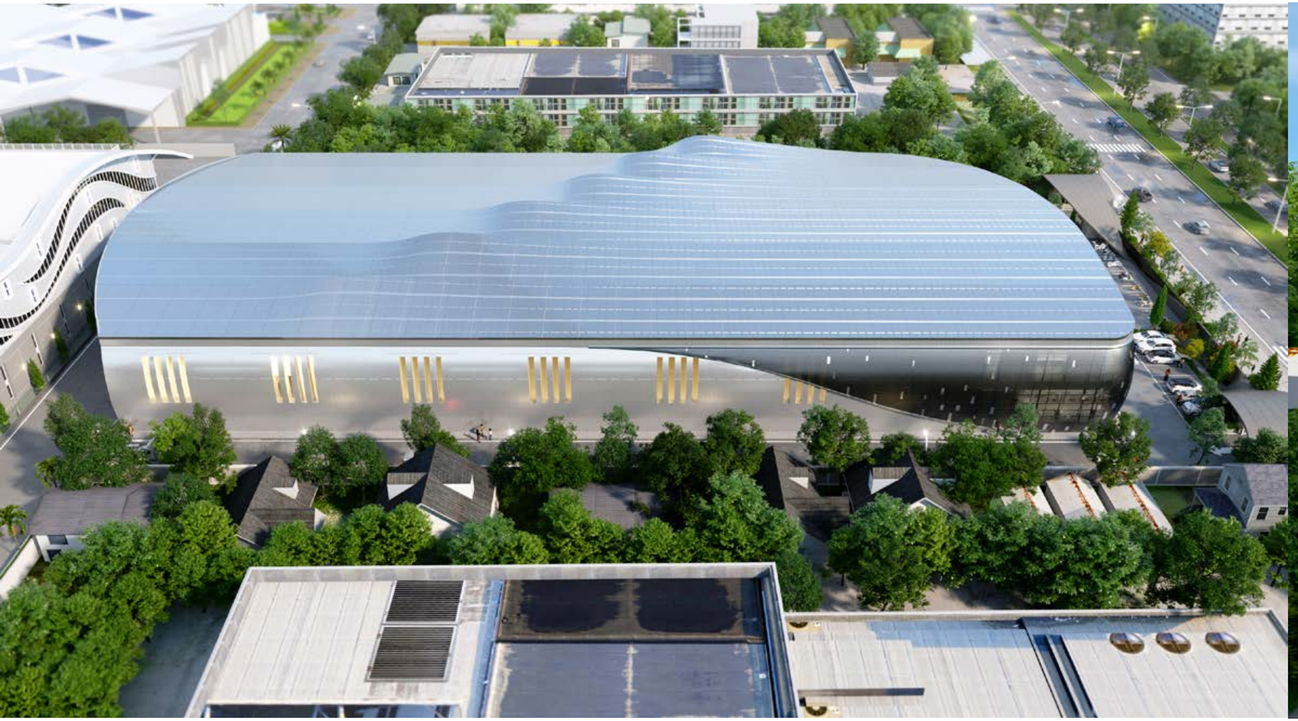
**INTERCAFE FREEZE-DRIED COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM




**INTERCAFE FREEZE-DRIED COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM



**INTERCAFE FREEZE-DRIED COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM



**INTERCAFE FREEZE-DRIED COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM



**INTERCAFE FREEZE-DRIED COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM

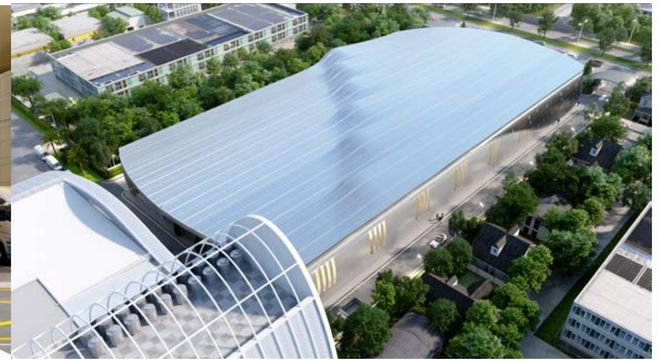
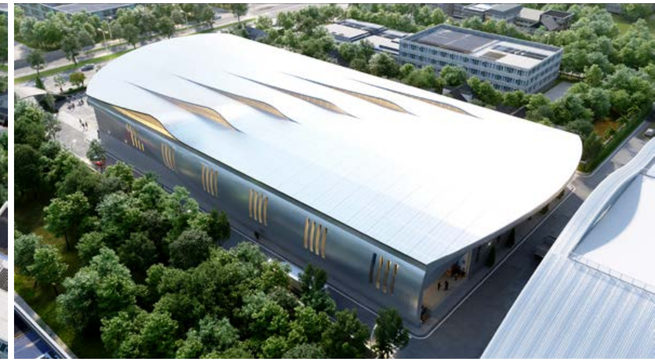


**INTERCAFE FREEZE-DRIED COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM




**INTERCAFE FREEZE-DRIED COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM





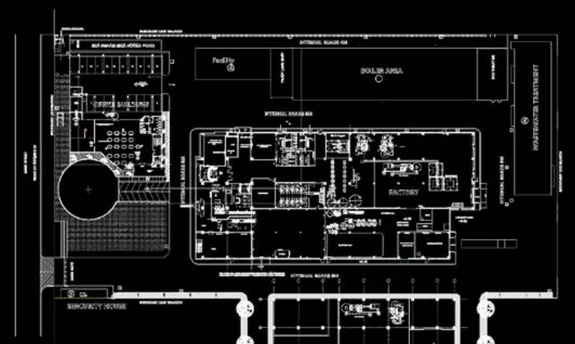


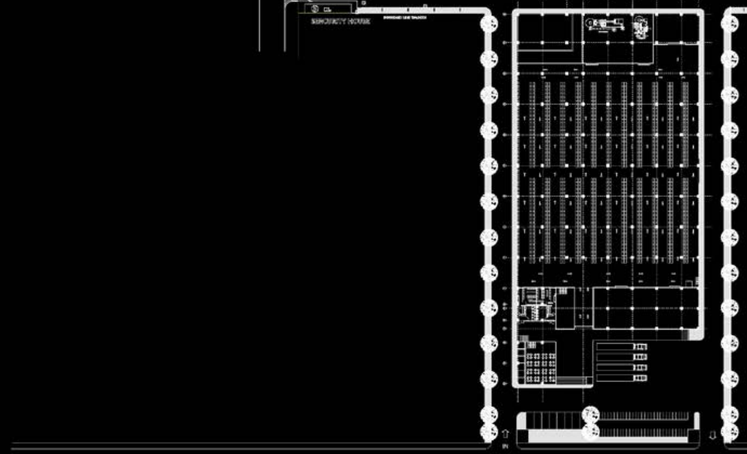
**INTERCAFE FREEZE-DRIED COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM

**INTERCAFE FREEZE-DRIED COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM



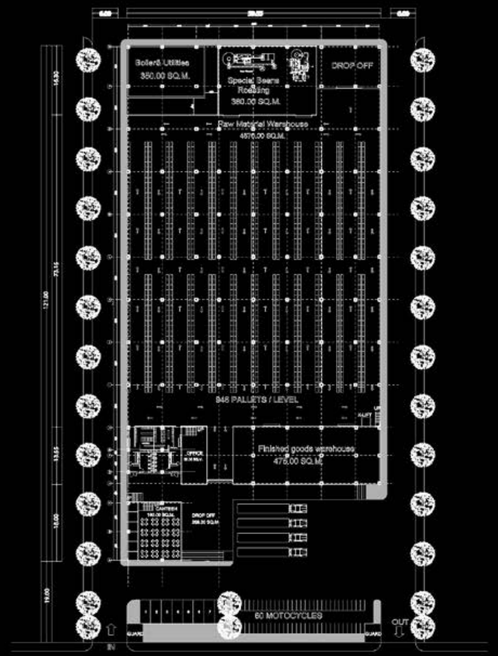

**INTERCAFE FREEZE-DRIED COFFEE FACTORY**
CU CHI INDUSTRIAL PARK, VIETNAM



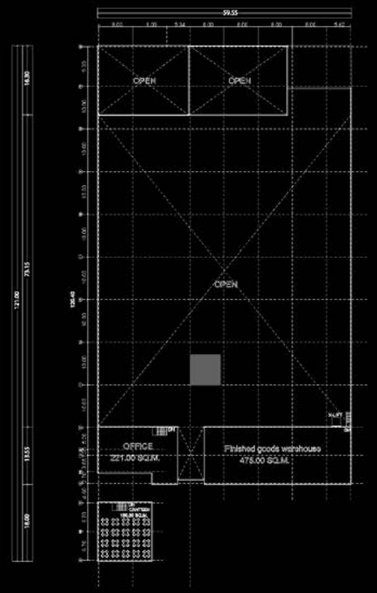

SCALE 1:1000

# MASTER PLAN
INTERCAFE FACTORY



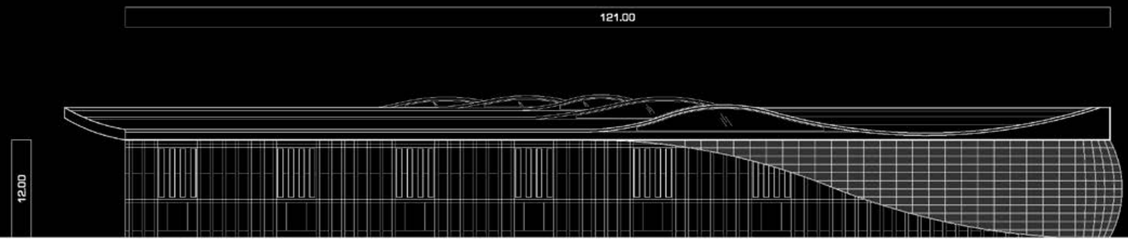

## GROUND FLOOR PLAN

SCALE 1:700 INTERCAFE FACTORY




## 2ND FLOOR PLAN

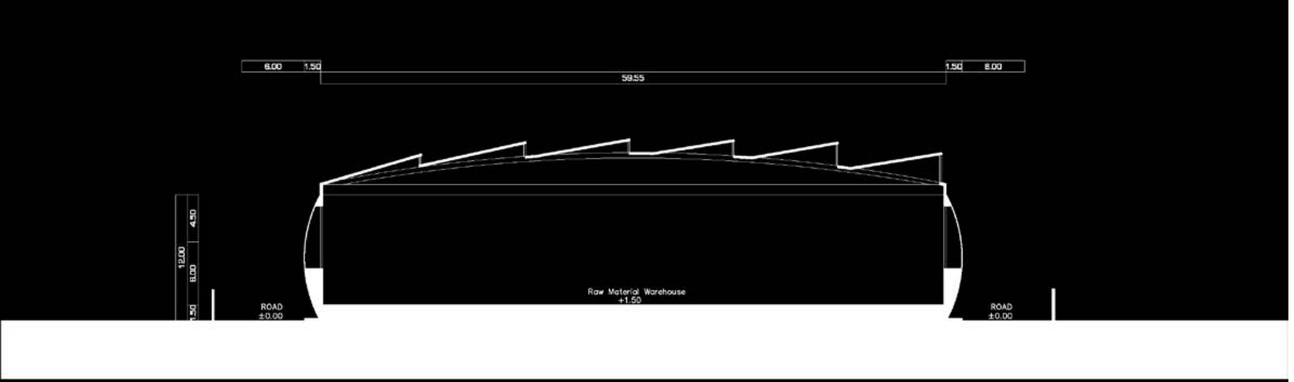
SCALE 1:700 INTERCAFE FACTORY




SCALE 1:400

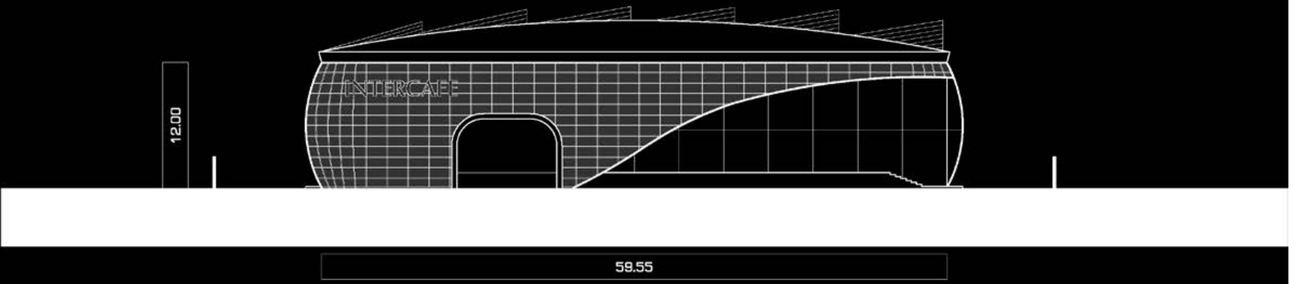
## SOUTH ELEVATION

INTERCAFE FACTORY




SCALE 1:300

## SCHEMATIC SECTION
INTERCAFE WAREHOUSE




SCALE 1:300

## WEST ELEVATION
INTERCAFE FACTORY

## THE OA SEAT CAFE & PLAYPARK

LAD LUM KEAW, THAILAND (2023)
ROLE: LEAD ARCHITECT

THE BRIEF:
(MIX COMMERCIAL USAGE, MIXED AGE-GROUP USAGE, CAFE VS INDUSTRIAL)

The owners of OA SEAT Cafe & Playpark approached EXFORMA with a unique set of requirements; requesting the design of a mixed used complex combining the functionalities of an amusement park for children aged 8-14, a large cafe to serve waiting parents, and a beer tasting facility to display a brewery production line.

The central challenge lies in the creation of a potential landmark within the area of the site that is located within proximity of a waste recycling plant without pleasant views surrounding the site. Another challenge is in the harmonization of the sets of programs that differ in functionalities and design requirements. Since the lot is located far from the main access road, it is vital to create an architectural statement that works to attract the preferred consumer segments into the area.



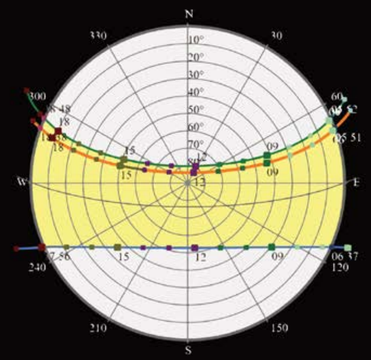
## THE OA SEAT CAFE & PLAYPARK

LAD LUM KEAW, THAILAND
ROLE: LEAD ARCHITECT

THE SOLUTION:
(FORM JUXTAPOSITION, OPPOSITION VS UNITY, TYPOLOGICAL HARMONY)

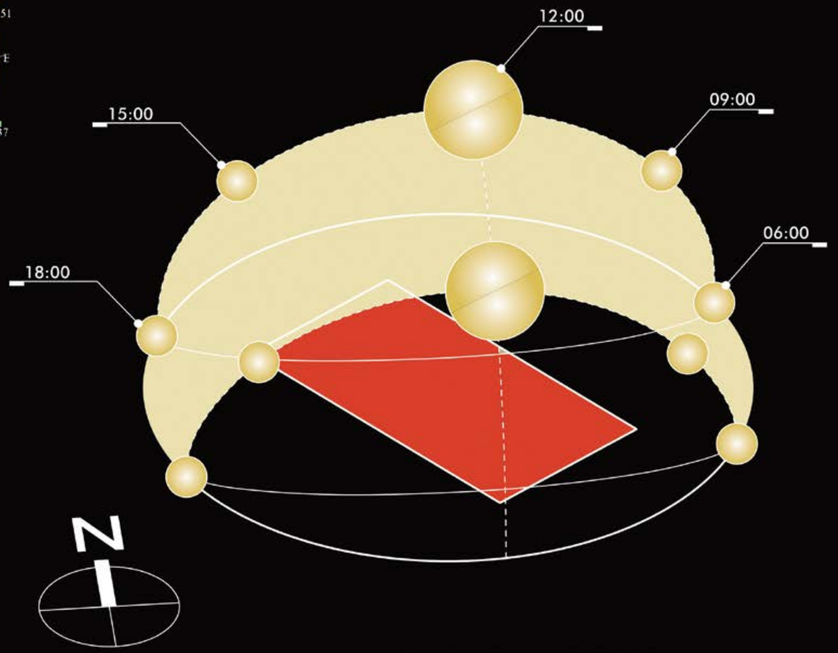
EXFORMA approached the project by conducting site research including: sun path trajectory, predominant wind direction, site orientation, dominant views to and from the site, program proximity, and circulation. These studies are crucial for this particular site and gave the architect a framework in which to formulate a design that will respond cohesively to these parameters.




OCTOBER
JUNE SOLSTICE
DECEMBER SOLSTICE
ANNUAL VARIATION

Hottest Month, April (89 °F avg) ; Coldest Month, January (82 °F avg) ; Wettest Month, September (12.26" avg) ; Windiest Month, March (3 mph avg). April is the hottest month in Thailand. It is not unusual for temperatures to exceed 30°C (95°F) all day and night.



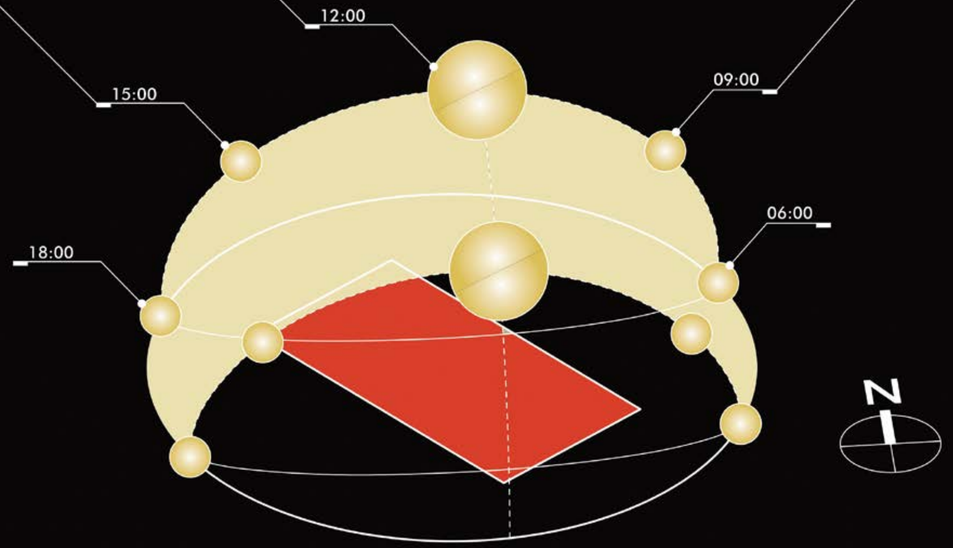

## SUN DIAGRAM

THE OA SEAT CAFE & PLAYPARK

| | |
|---|---|
| Time : | 15:09 |
| Position : | 14.04030752,100.40774419 |
| Timezone : | Asia/Bangkok |
| Daylight duration : | 12h41mn |
| Shadow length (1m) : | 0.90 m |
| Altitude : | 48.13° |
| Azimuth : | 102.55° |

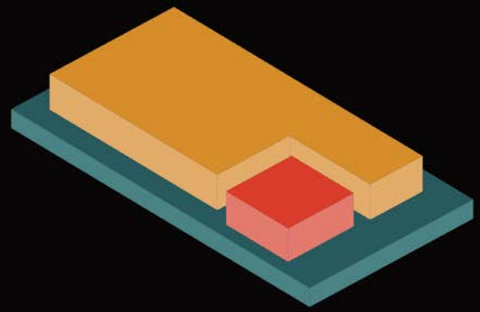
| | |
|---|---|
| Time : | 12:02 |
| Position : | 14.04030752,100.40774419 |
| Timezone : | Asia/Bangkok |
| Daylight duration : | 12h41mn |
| Shadow length (1m) : | 0.10 m |
| Altitude : | 84.37° |
| Azimuth : | -146.52° |

| | |
|---|---|
| Time : | 09:00 |
| Position : | 14.04030752,100.40774419 |
| Timezone : | Asia/Bangkok |
| Daylight duration : | 12h41mn |
| Shadow length (1m) : | 1.07 m |
| Altitude : | 43.10° |
| Azimuth : | -102.61° |

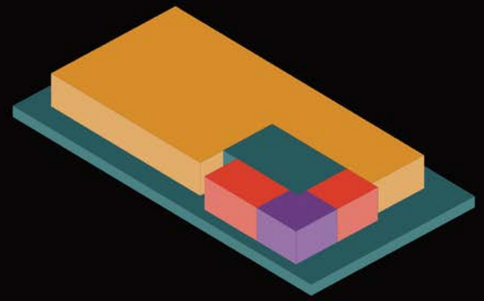



# SUN DIAGRAM

THE OA SEAT CAFE & PLAYPARK

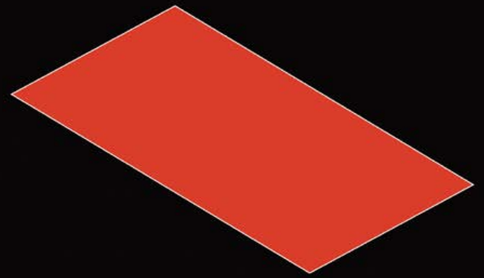


WAREHOUSE
COFFEE SHOP
LANDSCAPING
OUTDOOR OPEN SPACE



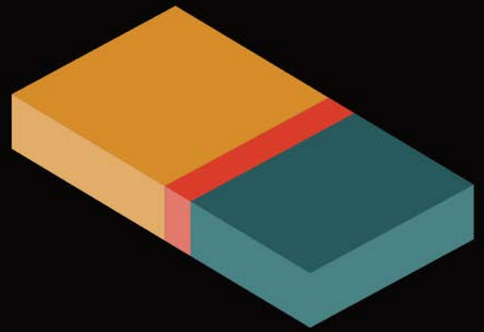
# PROGRAMMATICS

THE OA SEAT CAFE & PLAYPARK



SITE AREA 1,250 SQ.M.

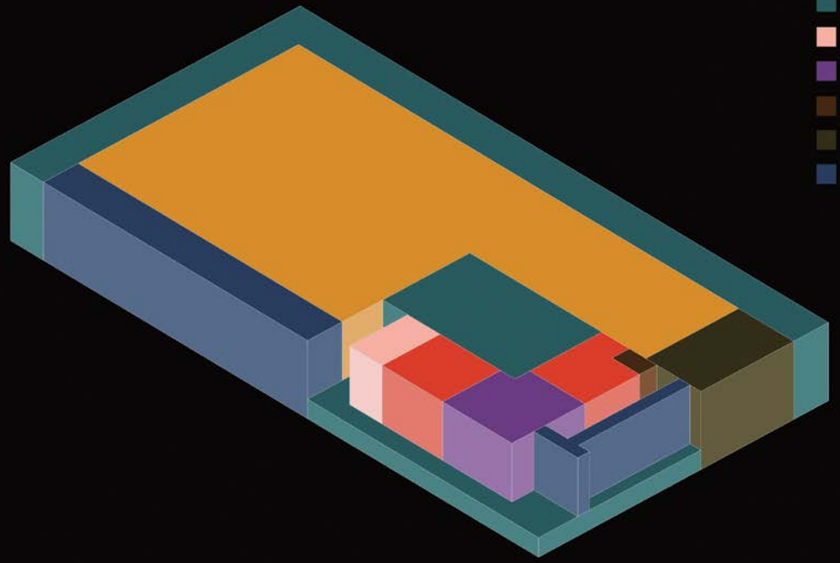
WAREHOUSE 617 SQ.M.
COFFE SHOP 100 SQ.M.
LANDSCAPING 483 SQ.M.



# PROGRAMMATICS

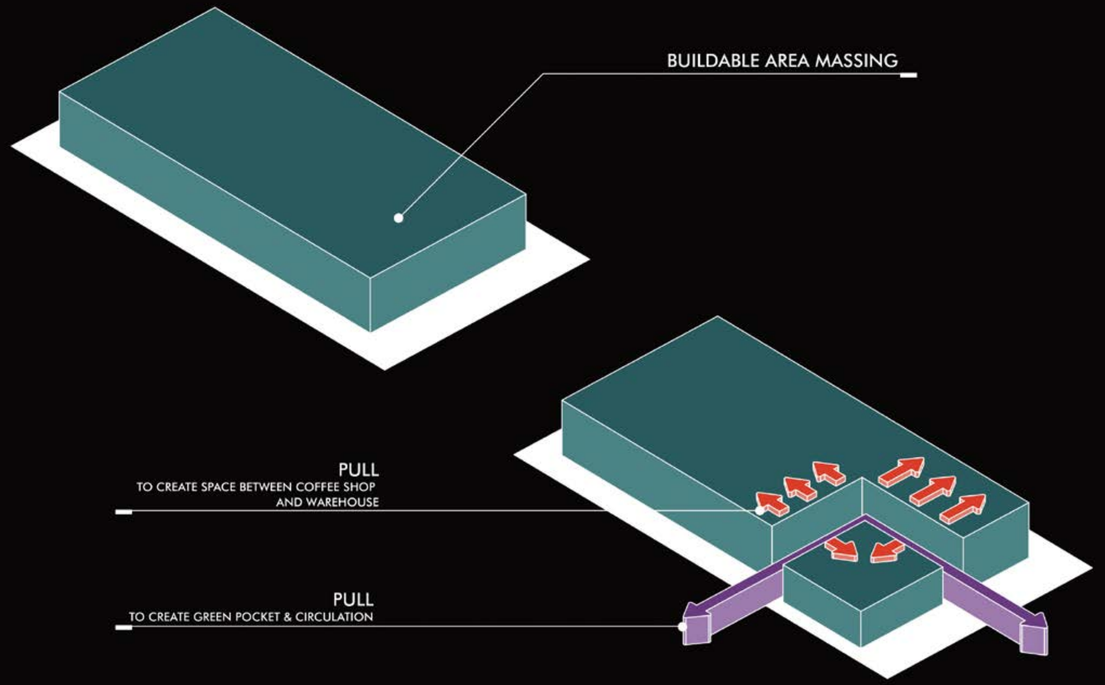
THE OA SEAT CAFE & PLAYPARK

WAREHOUSE
COFFEE SHOP
LANDSCAPING
KITCHEN
OUTDOOR AREA
BATHROOMS
LOADING AREA
CIRCULATION



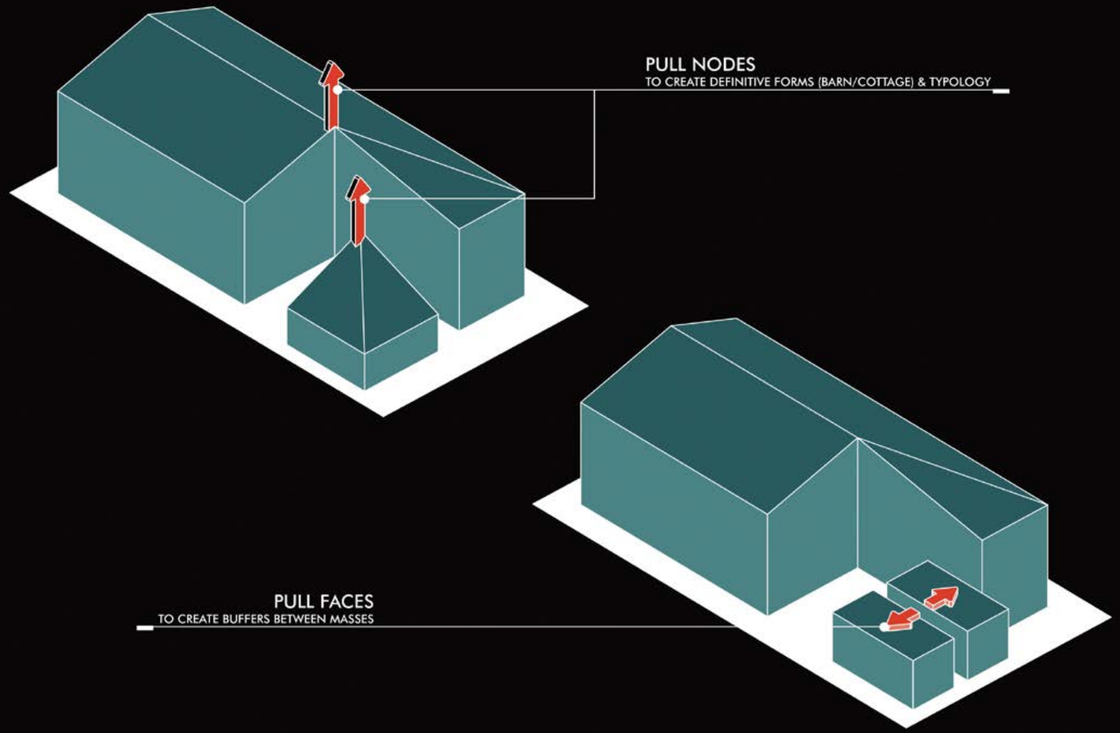
# PROGRAMMATICS

THE OA SEAT CAFE & PLAYPARK



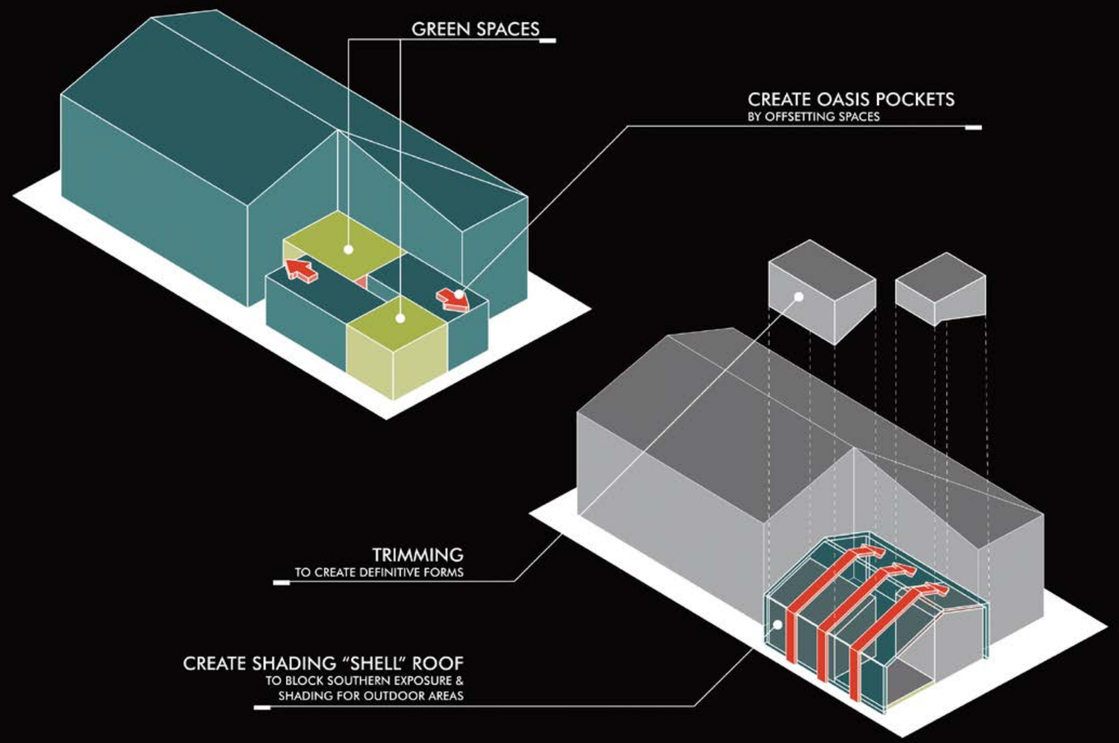

# FORM DERIVATION

THE OA SEAT CAFE & PLAYPARK



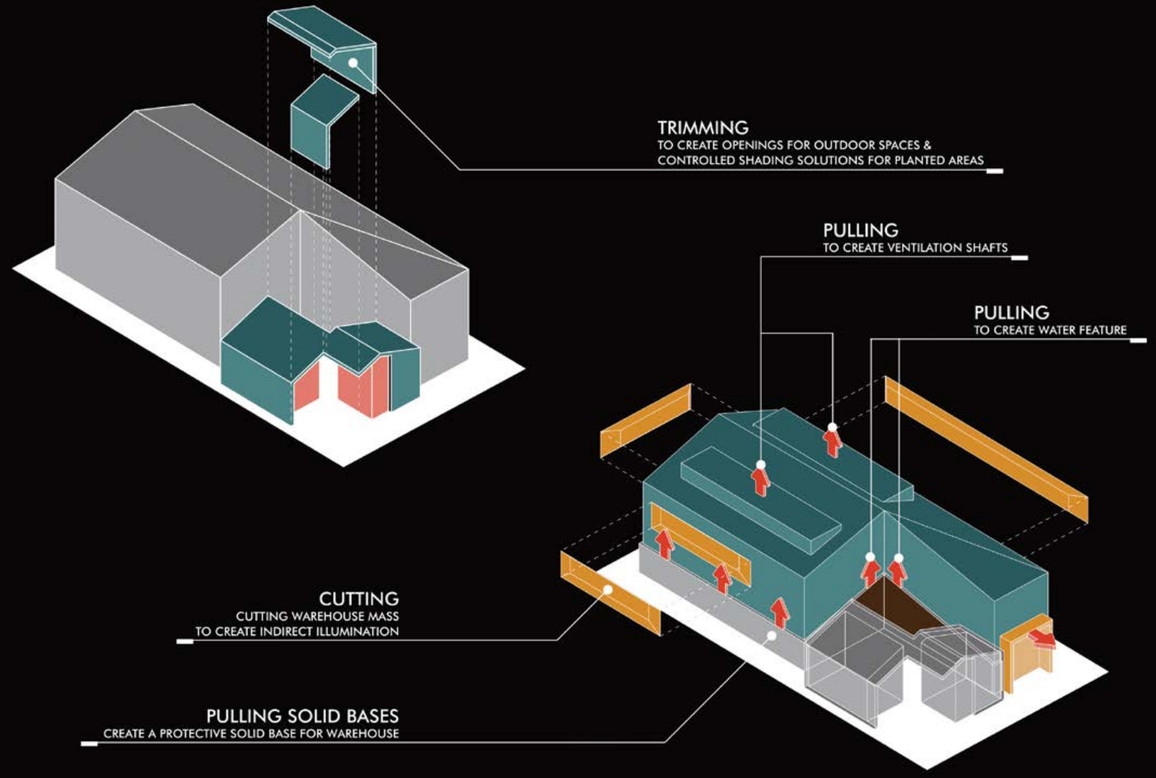

FORM DERIVATION

THE OA SEAT CAFE & PLAYPARK



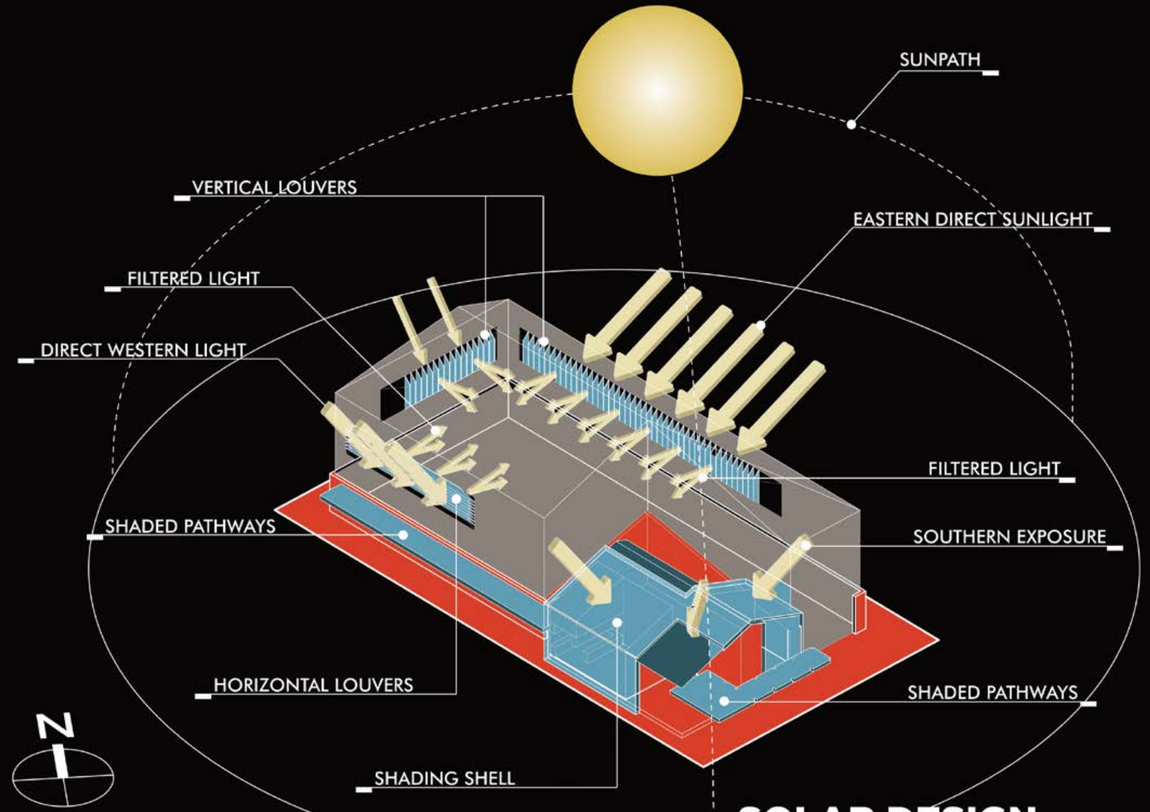

# FORM DERIVATION

THE OA SEAT CAFE & PLAYPARK



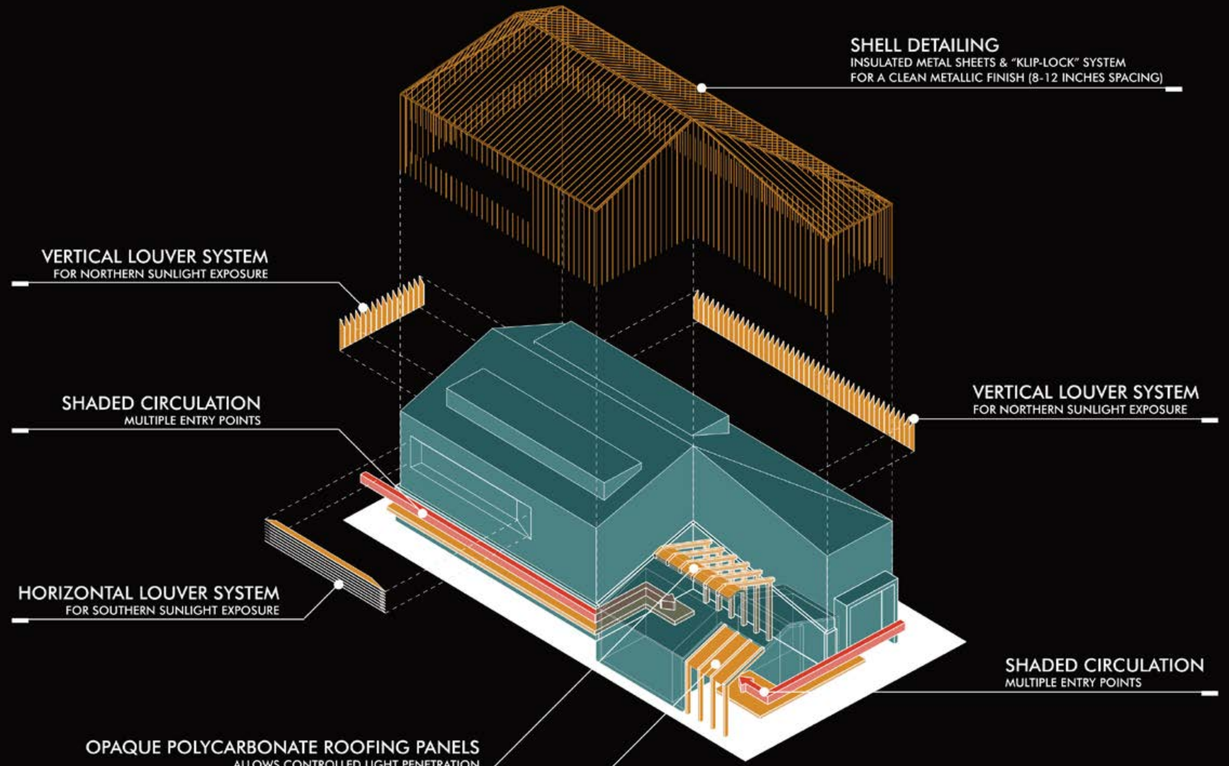

FORM DERIVATION

THE OA SEAT CAFE & PLAYPARK



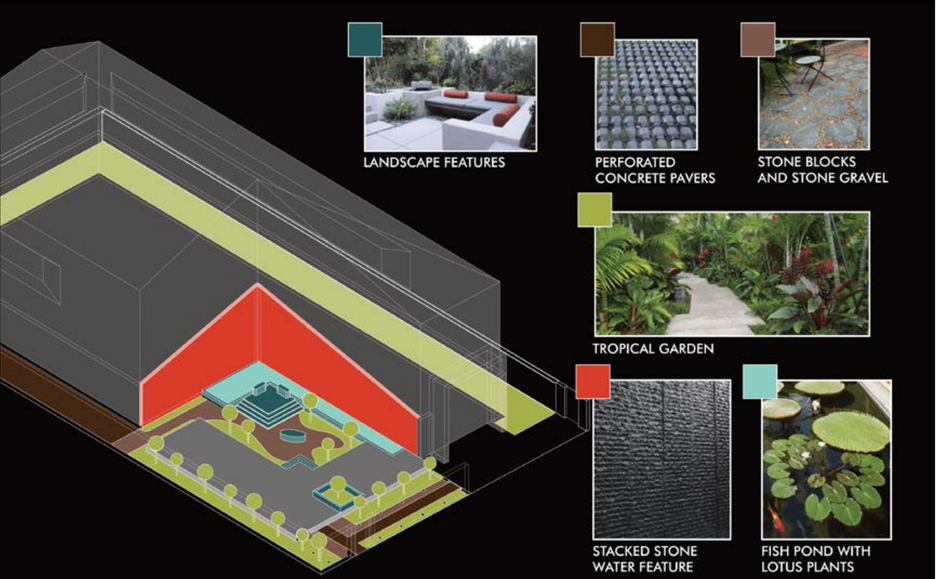

# SOLAR DESIGN

THE OA SEAT CAFE & PLAYPARK




# FORM DERIVATION

THE OA SEAT CAFE & PLAYPARK




# LANDSCAPE DESIGN

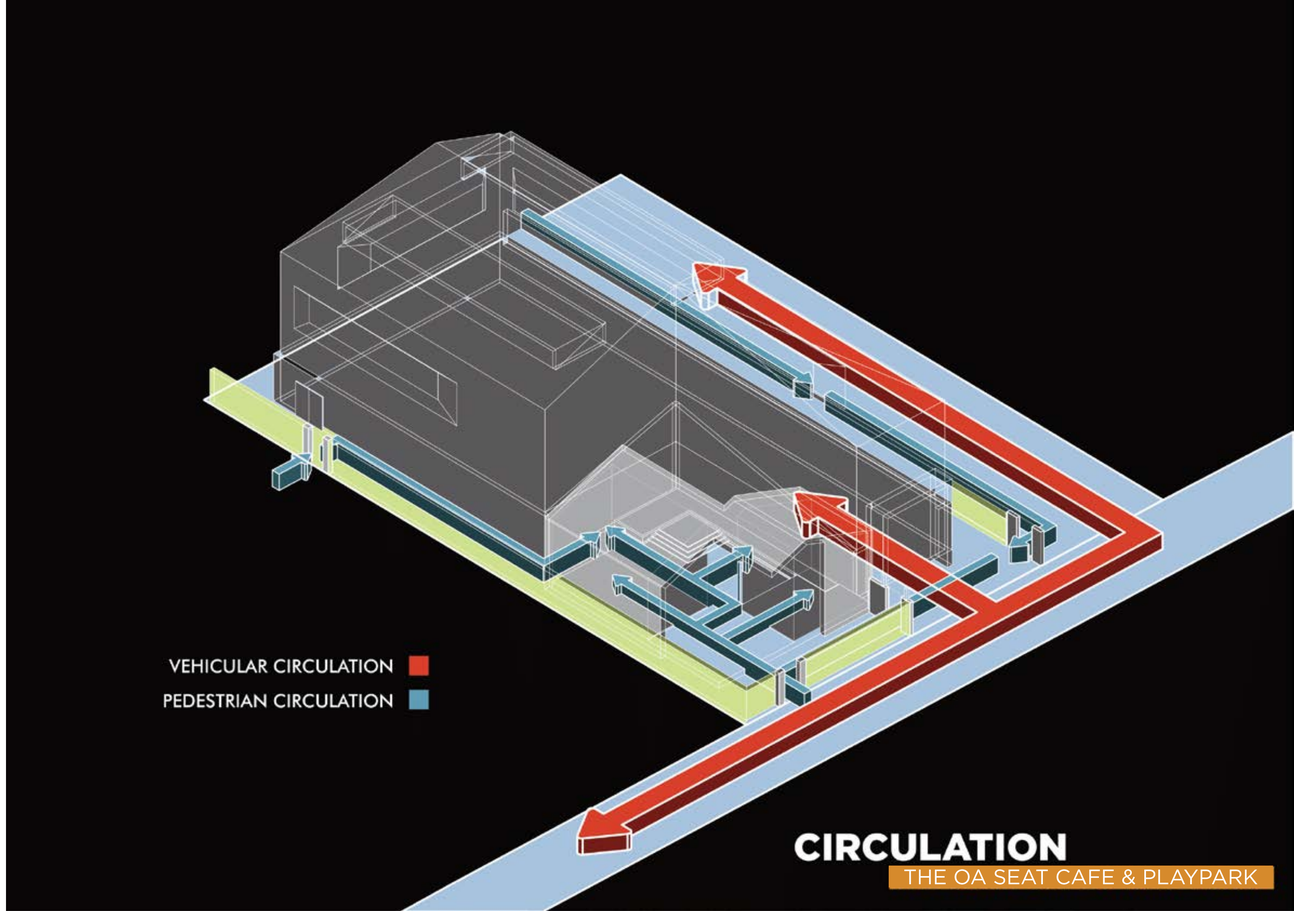
THE OA SEAT CAFE & PLAYPARK

## THE OA SEAT CAFE & PLAYPARK

LAD LUM KEAW, THAILAND

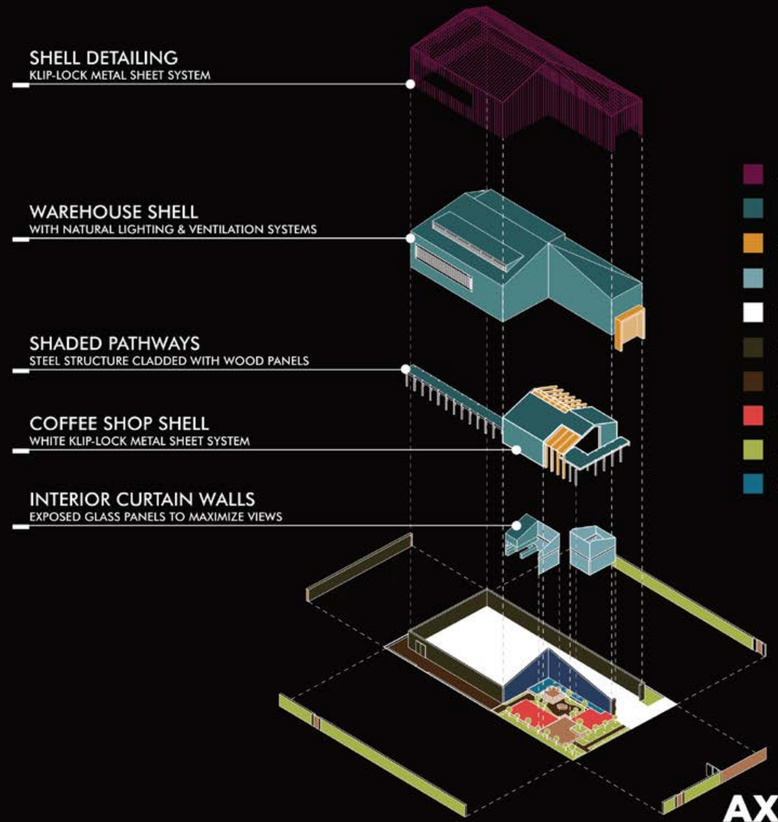
THE SOLUTION:
(FORM JUXTAPOSITION, OPPOSITION VS UNITY, TYPOLOGICAL HARMONY)

The site area is separated into two main parts with a larger "L-shaped" area allocated for the amusement park and the brewery and a smaller rectangular area adjacent to the access road allocated for the cafe. Given the lack of surrounding views, it is vital to create views within the project itself.



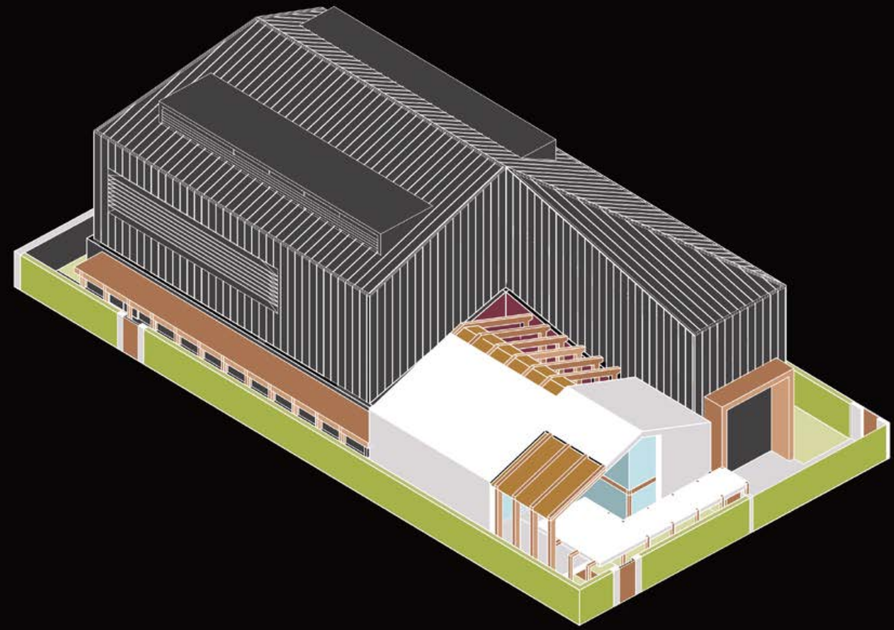

# CIRCULATION

THE OA SEAT CAFE & PLAYPARK




# AXONOMETRIC

THE OA SEAT CAFE & PLAYPARK



# FINAL FORM SCHEMATIC

THE OA SEAT CAFE & PLAYPARK

## THE OA SEAT CAFE & PLAYPARK

LAD LUM KEAW, THAILAND
ROLE: LEAD ARCHITECT

The cafe's exterior is a shell-like structure reminiscent of the barn typology with a combination of solid roof panels and translucent panels to allow natural light inlet. The interior is partitioned mainly with large glass panels to create openness and maximize views within.



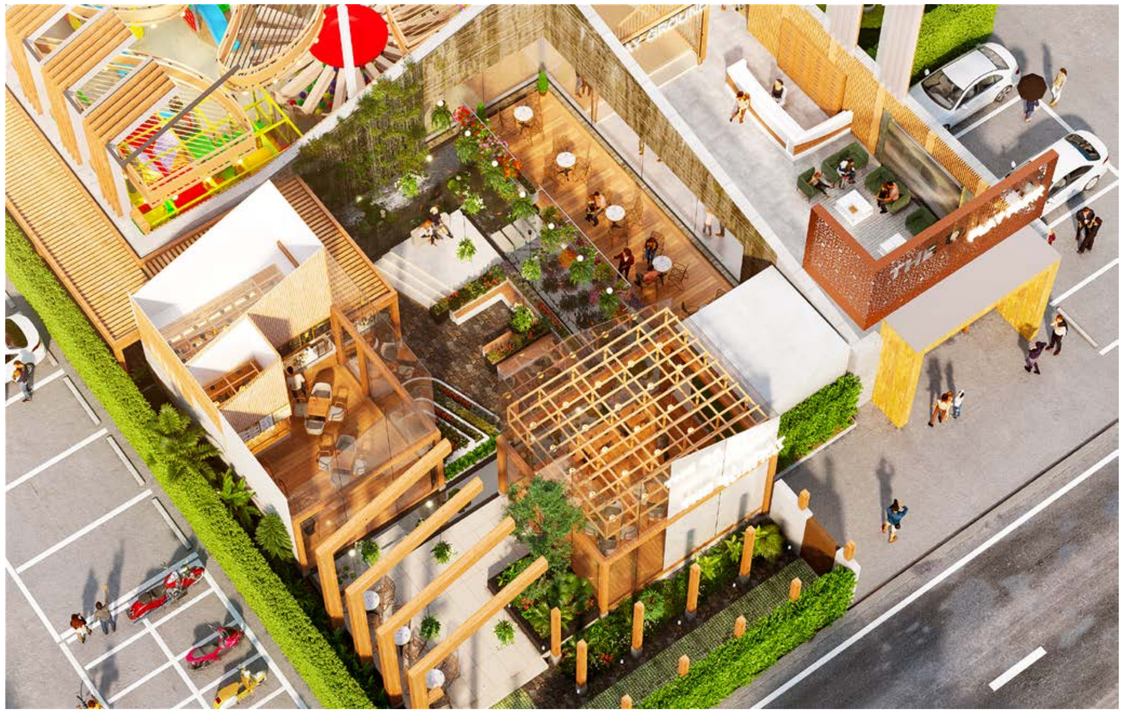

THE OA SEAT CAFE & PLAYPARK
LAD LUM KEAW, THAILAND



## THE OA SEAT CAFE & PLAYPARK

LAD LUM KEAW, THAILAND

The cafe is realized into an 'oasis' that would house an abundance of greenery and water features within itself that would serve as a landmark in the area. The cafe spaces are separated into two smaller wings in an "L-shape" to maximize views into the central courtyard oasis.





**THE OA SEAT CAFE & PLAYPARK**

LAD LUM KEAW, THAILAND



**THE OA SEAT CAFE & PLAYPARK**
LAD LUM KEAW, THAILAND



**THE OA SEAT CAFE & PLAYPARK**
LAD LUM KEAW, THAILAND









**THE OA SEAT CAFE & PLAYPARK**
LAD LUM KEAW, THAILAND

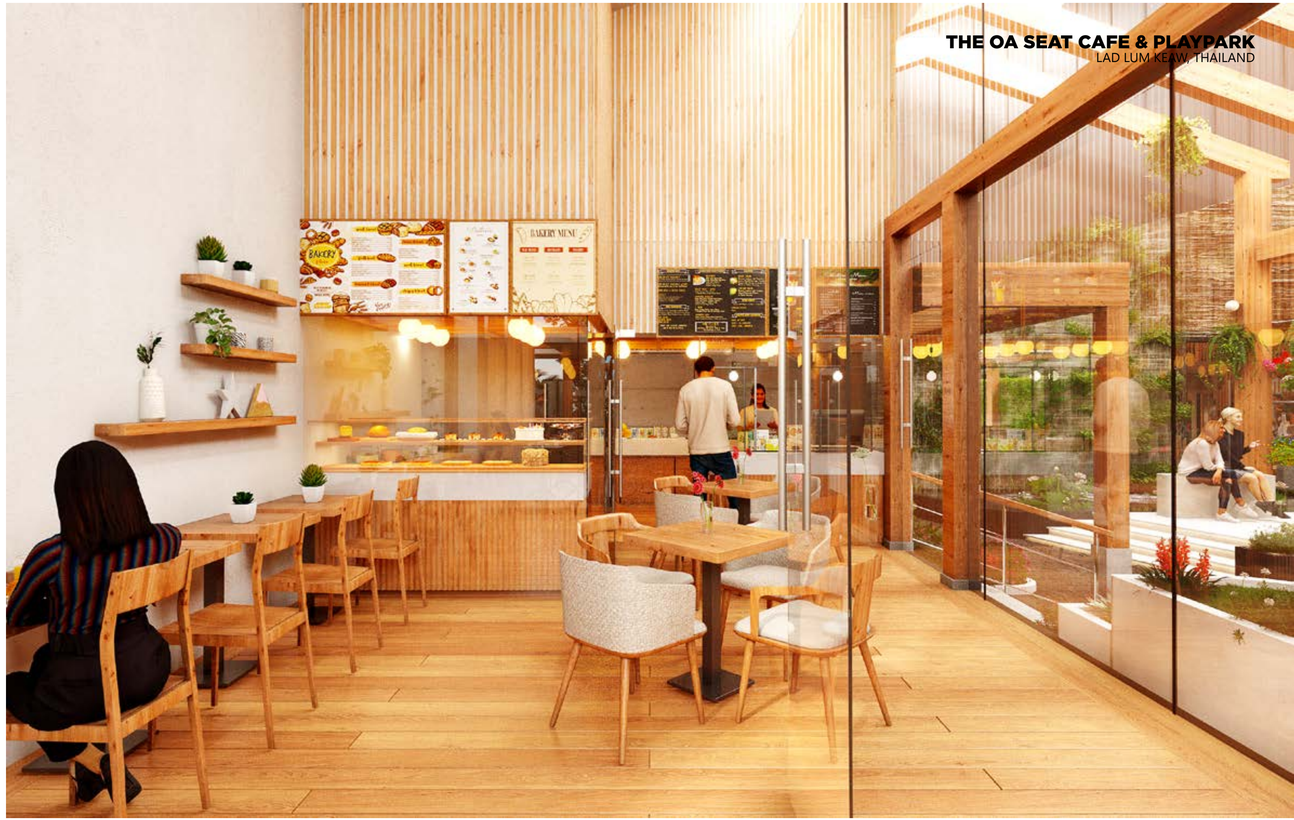


**THE OA SEAT CAFE & PLAYPARK**
LAD LUM KEAW, THAILAND





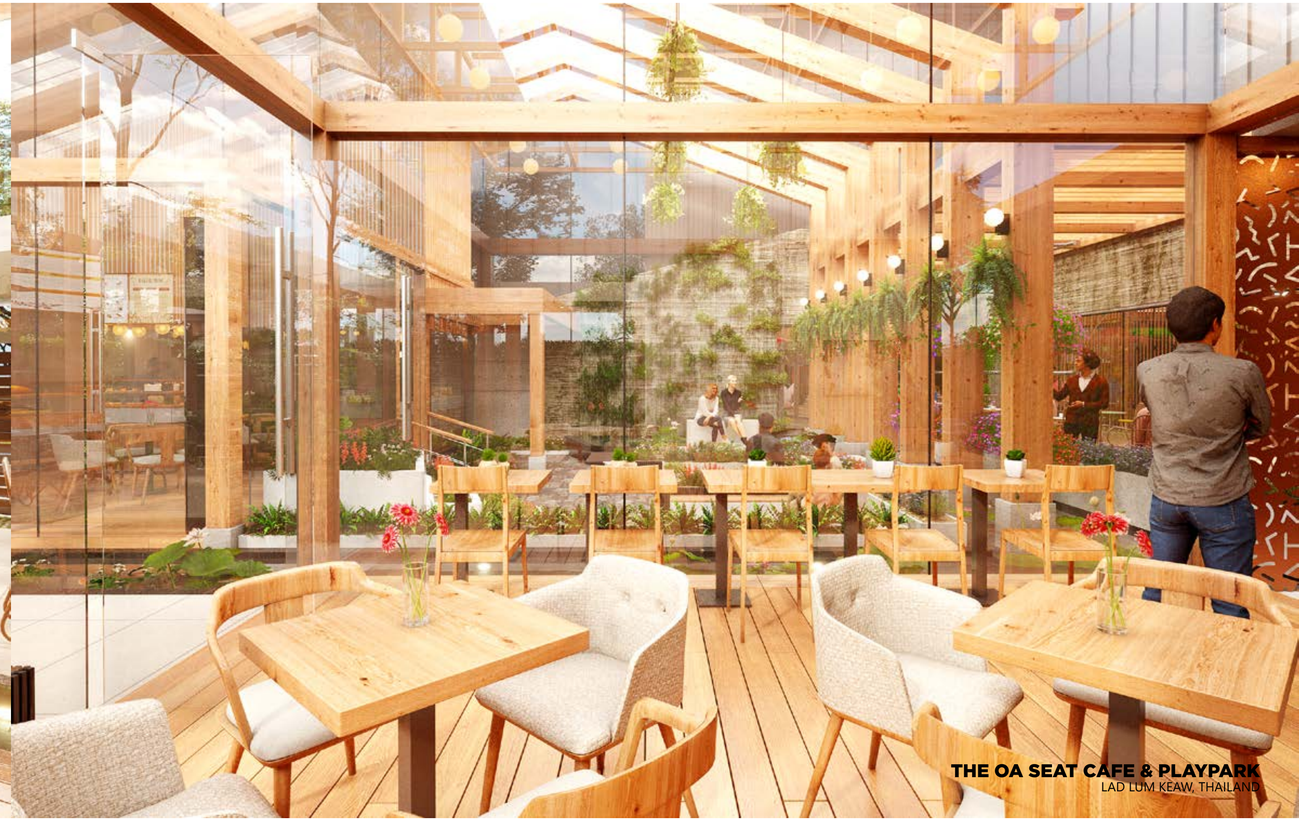
**THE OA SEAT CAFE & PLAYPARK**
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## THE OA SEAT CAFE & PLAYPARK

LAD LUM KEAW, THAILAND

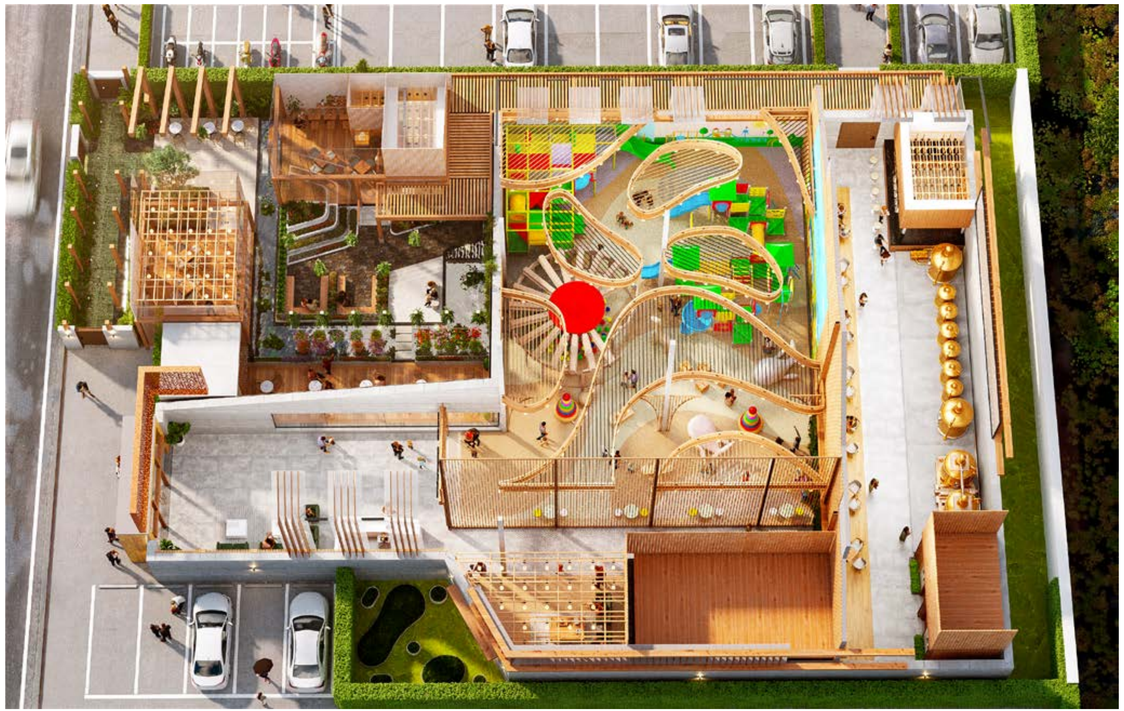
The amusement park is realized into a much taller mass that expresses a similar architecture as the cafe but incorporates its own design language to juxtapose against the cafe.




## THE OA SEAT CAFE & PLAYPARK

LAD LUM KEAW, THAILAND

The spaces within are laid out so that users of the amusement park can see and be seen to and from the cafe, allowing parents waiting in the cafe/garden to be within visibility of their children at all times.

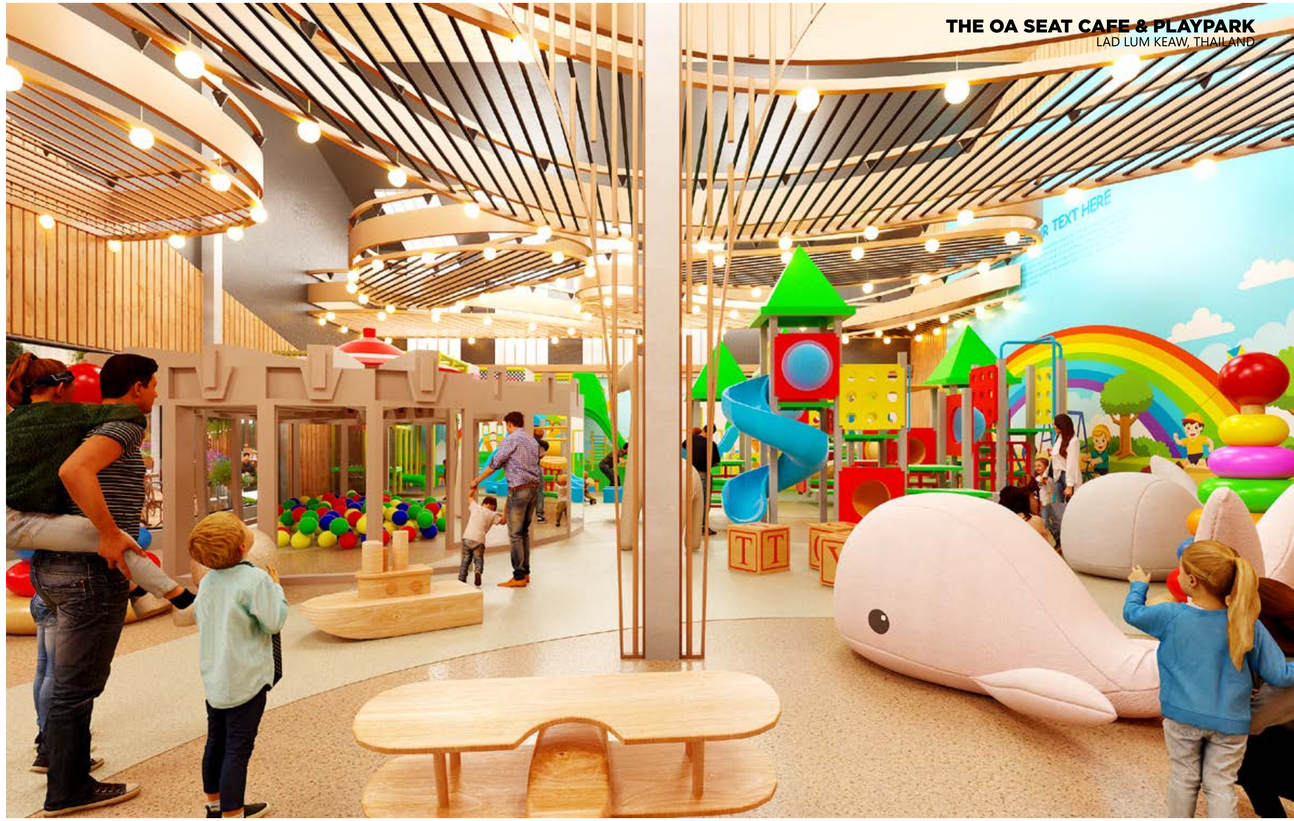


## THE OA SEAT CAFE & PLAYPARK
LAD LUM KEAW, THAILAND

The amusement park is designed to contain multiple openings in specific areas that incorporate louvered systems differing in axis of orientation that will allow a controlled inlet of indirect and direct natural light.

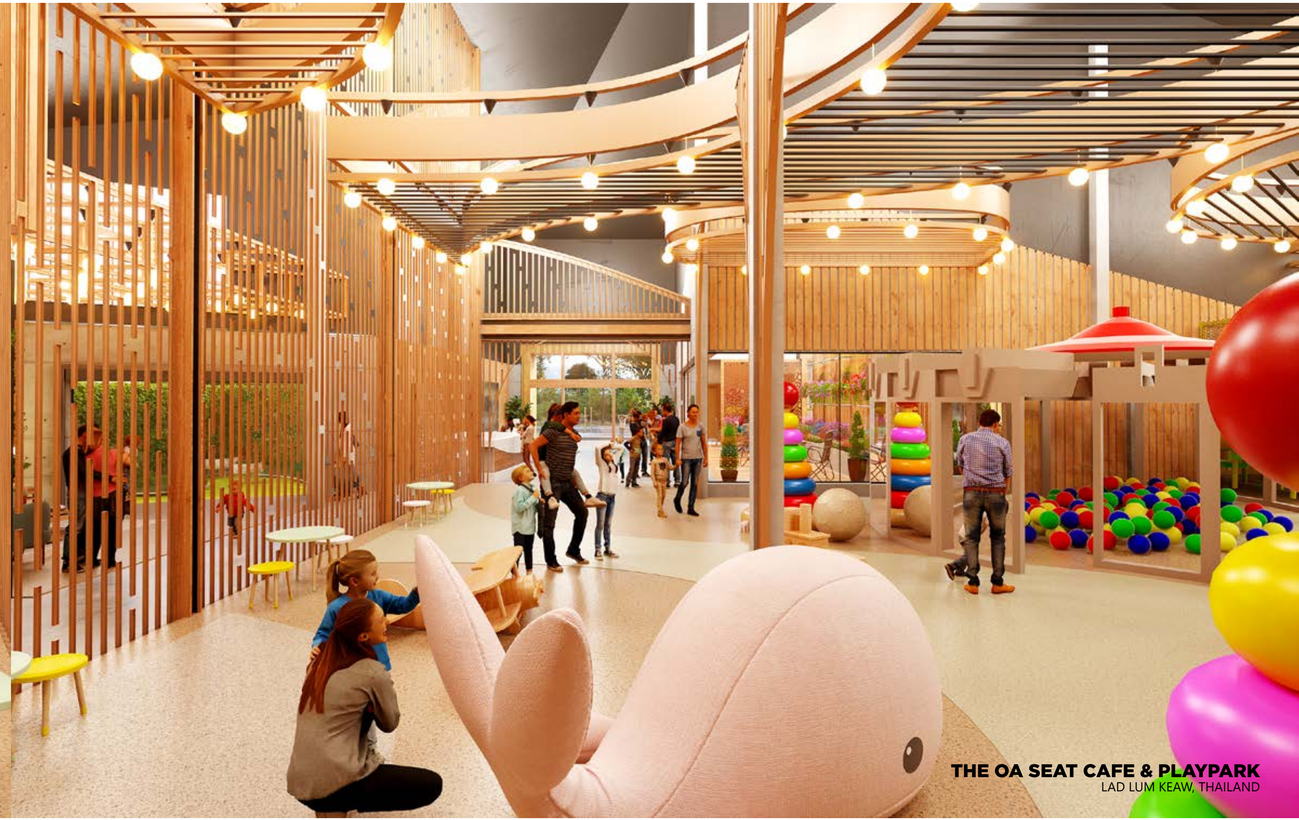



THE OA SEAT CAFE & PLAYPARK
LAD LUM KEAW, THAILAND






**THE OA SEAT CAFE & PLAYPARK**
LAD LUM KEAW, THAILAND



**THE OA SEAT CAFE & PLAYPARK**
LAD LUM KEAW, THAILAND





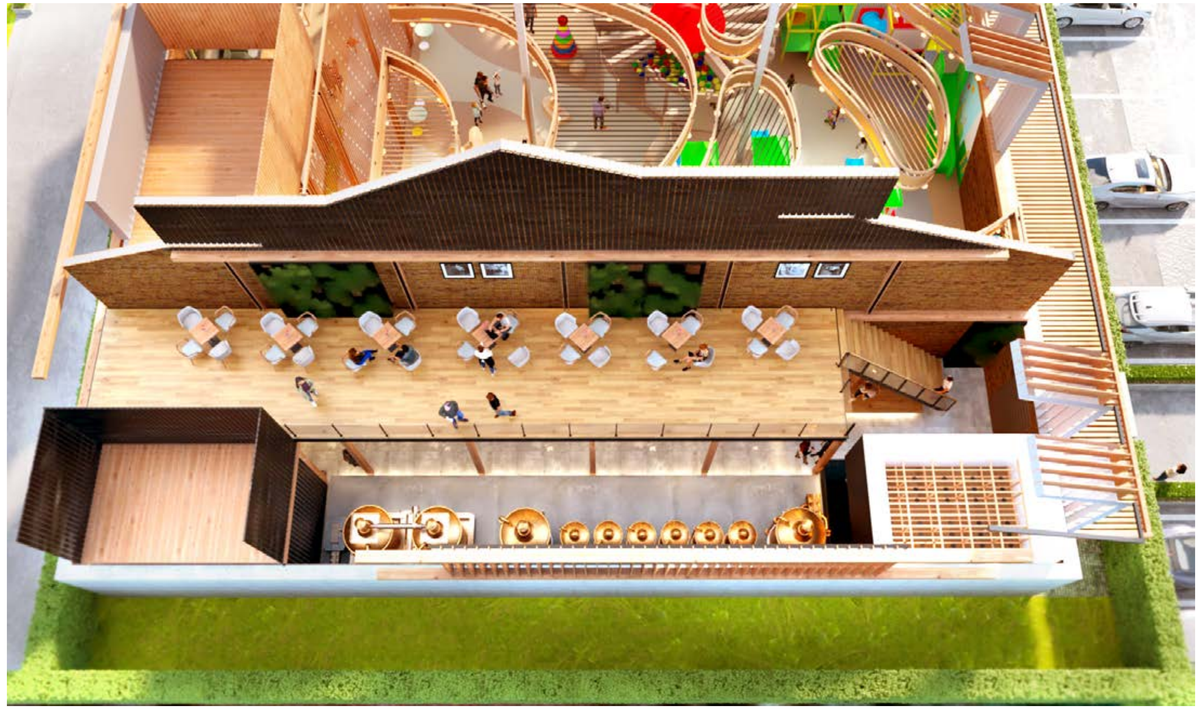




**THE OA SEAT CAFE & PLAYPARK**
LAD LUM KEAW, THAILAND

**THE OA SEAT CAFE & PLAYPARK**
LAD LUM KEAW, THAILAND

The brewery is located at the back of the complex and is approachable via a private walkway in order to clearly separate its operations from the rest of the compound.









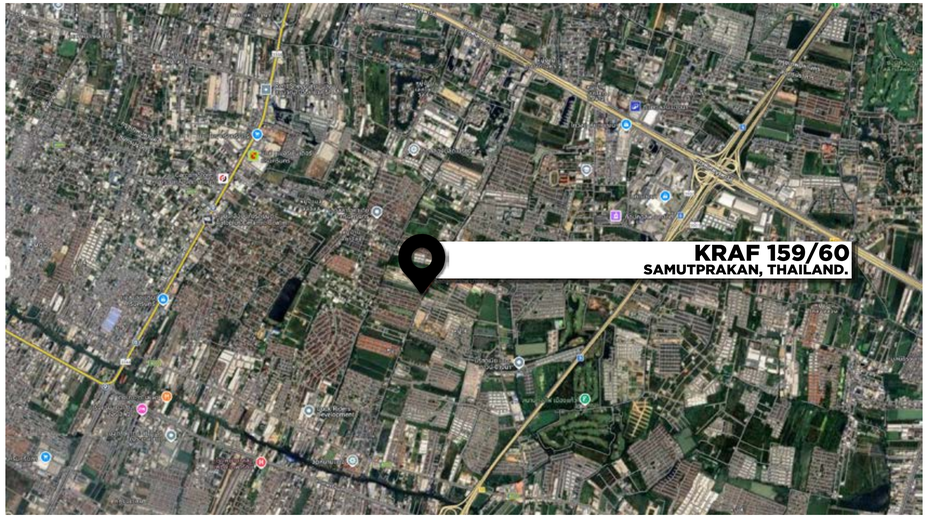

**OA SEAT CAFE & PLAYPARK**
LUM KEAW, THAILAND



**KRAF 159/60**
SAMUT PRAKAN, THAILAND

THE BRIEF:
(MUTED TONES, SIMPLE YET ELEGANT, WOOD ACCENTS)

Designed for Mr. Vincent, this residence embodies a muted, homey atmosphere with a refined modern edge. The concept focused on balancing simplicity with livability—Exforma's design integrates soft grey wall panels contrasted with warm wooden accents to create visual depth without overwhelming the space. Thoughtfully planned storage solutions enhance both functionality and aesthetics, resulting in a clean, elegant home that feels effortlessly comfortable.



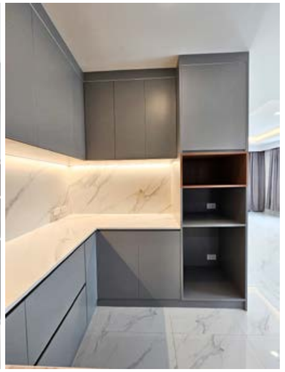




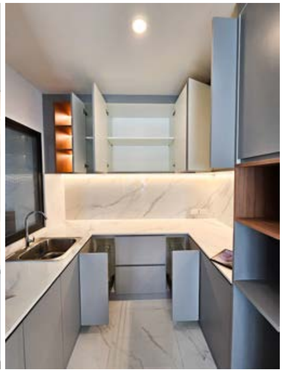
**KRAF 159/60**
BANG KAEW, SAMUTPRAKARN











**KRAF 159/60**
BANG KAEW, SAMUTPRAKARN





**KRAF 159/60**
BANG KAEW, SAMUTPRAKARN





**KRAF 159/60**
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BANG KAEW, SAMUTPRAKARN















**KRAF 159/60**
BANG KAEW, SAMUTPRAKARN







## DIANE VON FURSTENBERG
SIAM PREMIUM OUTLETS

THE BRIEF:
INTERIOR CONSTRUCTION OF BRAND'S OUTLET

Exforma was entrusted with the interior construction of the Diane Von Furstenberg store at Siam Premium Outlets under a highly compressed timeline—about one week for planning and two weeks for execution. Despite the fast turnaround, the project demanded a high level of finish that reflected the brand's identity while remaining time- and cost-efficient, as befitting an outlet retail environment. Working in close collaboration with the client, we successfully delivered a refined, well-executed interior that met both aesthetic and practical goals within the challenging schedule.












**DIANE VON FURSTENBERG**
SIAM PREMIUM OUTLETS









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SIAM PREMIUM OUTLETS

# MORE PROJECTS TO COME...

**HASADIN KUNACHAK**
ARCHITECT/
BUSINESS DEVELOPMENT MANAGER/
CONSULTANT

Contact me for your architectural design inquiries and I will be happy to provide consultation regarding the realization of your projects from the design stage to the construction stage.

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