ARCHI TECT-URES

portfoilo
apichaya sirisuk

# APICHAYA **SIRISUK**

ARCHITECT.



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#### **ADDRESS**

199/386 Suannonsee Village, Nong Chom, Sansai, Chiang Mai, Thailand 50210

#### PROFILE



Apichaya Sirisuk NAME

NICKNAME DATE OF BIRTH 31 July 1997 NATIONALITY Thai

A fresh graduate architect with desire to gain more experiences in architectural industry. I'm a flexible team player with excellent communication skills and academic qualifications to successfully deliver new idea and creativity.

#### **EDUCATION**

Faculty of Architecture, Chiang Mai University Bachelor of Architecture Programe 2016-2020

GPA 3.10

2010-2015 **Chiang Mai University Demonstration School** 

Science-Mathematric Programe

Grade 7-12 GPA 3.24

Dara Academy 2004-2009

Grade 1-6 GPA 4.00

#### WORK EXPERIENCE

2020 Internship at Architect 49 House Design Limited

Professional internship Programe

Summer Internship at Polar Architect Architectural and Interior Department 2019

Contruction Camp in Chiang Mai University

Material and Construction Departmen

FLAT TO FORM: Design Competition 2019

2018 SYS Student Design Contest 2018

STEELABLE: More Design By Modular

Applied Landscape Architecture Competition 2018

#### SKILLS

Thai (Native), English LANGUGE

**Basic** Computer Skills COMPUTER SKILLS Microsoft Office, E-mail and ETC.

Advance Software Skills

AutoCAD, SketchUp,

V-Ray, Enscape, Lumion

Adobe Photoshop, Adobe Illustrator

OTHERS Hand Drafting and Model Making

> Leadership and Problem Solving Skills Good Communication and Human Relations

Highly Adapt and Flexible

# CONTENT WORK EXPERIENCE

- 1 Internship at Architect 49 House Design Limited
- 2 Summer Internship at Polar Architect
- 3 Contruction Camp in Chiang Mai University

#### STUDIO PROJECT

- 4 Chiang Mai Coexist Housing in Urban Resilience for Multi-Generation
- 11 The Northern Height Business Park and Hotel
- 18 Baan Klang Na Boutique Hotel
- 22 Chaing Mai Health Community

#### COMPETITION

- Applied Landscape Architecture Competition 2018
- 28 SYS Student Design Contest 2018
- 30 FLAT TO FORM Design Competition 2019

#### INTERNSHIP

#### ARCHITECT 49 HOUSE DESIGN LIMITED

81 Sukhumvit 26 Bangkok 10110 THAILAND

Internship in Professional Training Program (6 JAN 2020 - 23 MARCH 2020)



# INTERNSHIP POLAR ARCHITECT

100/284 Pruksar Vill2 Nawong Rd., Lak Hok, Pathum Thani

Summer Internship (1 June 2019 - 31 July 2019)

#### **ASSIGNMENT**

#### Floor Pattern Design

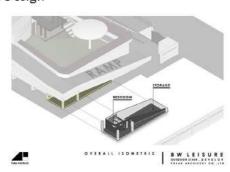


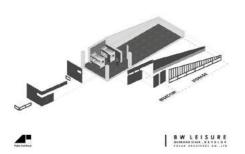
PATTERN 1ST FLOOR LAYOUT PLAN SCALE 1:75

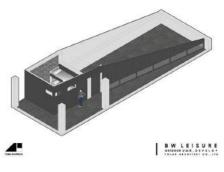
#### Wall Pattern Design

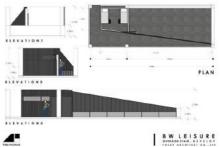


#### Schematic Design







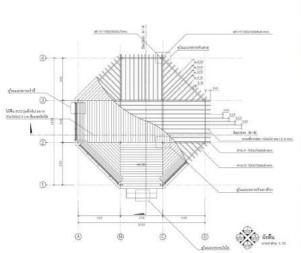


### **CONSTRUCTION CAMP**

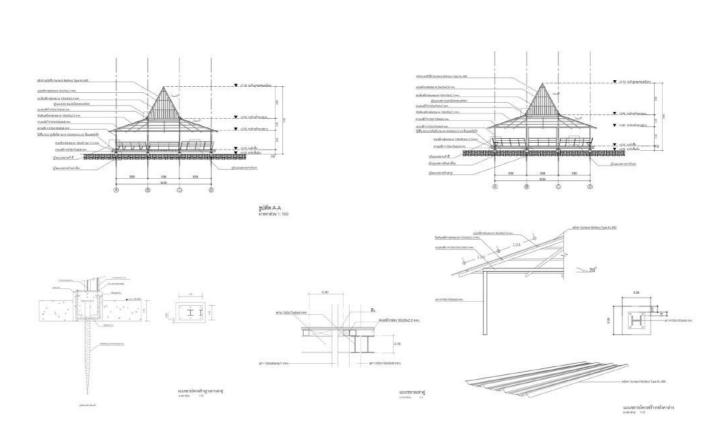
#### CHIANG MAI UNIVERSITY

Chiang Mai University

Material and Construction Department (4 May2019 - 29 May 2019)







#### CHIANG MAI COEXIST HOUSING IN URBAN RESILIENCE FOR MULTI-GENERATION

THESIS

PROJECT LOCATION

Chiang mai, Thailand Residence

AREA YEAR 12,022.79 sqm. 2020

#### **ABTRACT**

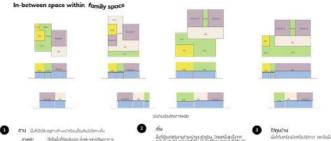
USER

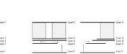
**USER ACTIVITY** 

Social structure changing greatly affects the situation of living. In addition to the current situation, whether it is COVID-19 or PM2.5, which affects the lifestyle of "home", which is a residence, it needs to be adjusted in accordance with the environment. The impact can be achieved flexibly both work from home or online learning.

It brings up the question of the research: adaptive urban housing programs for different groups of people. Chiang Mai province should it be by studying information under Urban Resilience theory, Social Dynamics theory and the theory of In-Between Space. The project aimed (1) to design areas of relationships among people of different age groups in the current society, (2) to design areas that build relationships in the social, economic and environment consistent with changing urban situations and (3) to improve the quality of life promote urban adaptive housing potential Chiang Mai in the future.

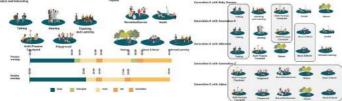
# CONCEPT DESIGN





**BLENDIING OF GENRATION** 

ACITIVITY







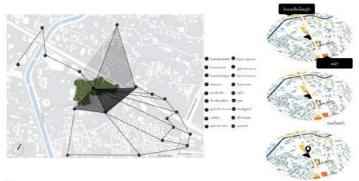


#### **USER ACTIVITY ANALYSIS**



#### SITE

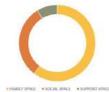
Huay Kaew Rd., Suthep, Chiang Mai District, Chiang mai



#### AREA REQUIREMENT

**FAMILY SPACE** 1 BEDROOM (39-46 sqm.) 2 BEDROOM (75-88 sqm.) 3 BEDROOM (112-136 sqm.) SOCIAL SPACE

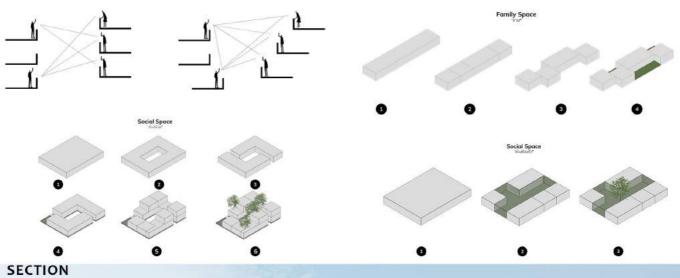
30 units 20 units 26 units 3,725.67 sqm. 1,040.52 sqm. SUPPORT SPACE



12,022.79 sqm. TOTAL



#### **DESIGN DEVELOPMENT**









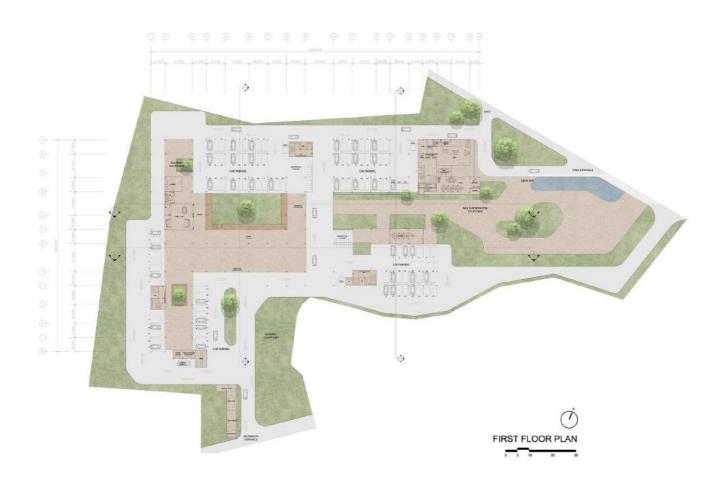












PARKING
CAR MC
BIKE

MOTORCYCLE

BUILDING SYSTEM
TRANSFORMER PUMP ROOM
GENERATOR WASTE WATER TREATMENT
GABAGE ROOM
GUARDHOUSE

CORE STORAGE MAILBOX

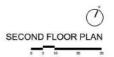
LOAD CENTER FIRE EXIST

OFFICE

SOCIAL SPACE FAMILY CLUB LOBBY LAUNDRY GOURMET COURTYARD MULTI-GENERATION COURTYARD







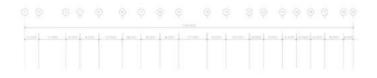
FAMILY SPACE 1 BEDROOM 2 BEDROOMS 3 BEDROOMS

SOCIAL SPACE
FAMILY CLUB CHILDREY
SPORT CLUB MEETING
FAMILY TERRACE LIBRARY
CREATIVE AND CO-WORKING CHILDREN ROOM MEETING ROOM CORE STORAGE MAILBOX

LOAD CENTER FIRE EXIST

BULDING SYSTEM POOL SYSTEM









FAMILY SPACE

1 BEDROOM

2 BEDROOMS

3 BEDROOMS

CORE STORAGE MAILBOX

LOAD CENTER FIRE EXIST

SOCIAL SPACE FAMILY CLUB SWIMMING POOL

PATIO GYM DINING GARDEN









FAMILY SPACE
1 BEDROOM
2 BEDROOMS
3 BEDROOMS

SOCIAL SPACE ROOF GARDEN ORE STORAGE MAILBOX

LOAD CENTER FIRE EXIST

BUILDING SYSTEM WATER TANK



# BUILDING STRUCTURE AND SYSTEM



#### ELECTRIC SYSTEM

FL.1 MDB
TRANSFORMER
GENERATOR
LOAD CENTER
CONTROL ROOM
FL.2 LOAD CENTER

FL.3 LOAD CENTER
FL.4 LOAD CENTER

#### WATER SYSTEM

FL.1 WATER PUMP
WASTE WATER TREATMENT
FL.2 POOL SYSTEM
METER

FL.3 METER
FL.4 WATER TANK
METER

#### FIRE SYSTEM

FL.1 FHC FIRE EXIST
FL.2 FHC FIRE EXIST

FL.3 FHC FIRE EXIST FL.4 FHC

FIRE EXIST

#### AIR CONDITION SYSTEM

SPLIT TYPE PACKAGE UNIT

#### PASSIVE DESIGN

- 1. Enhancing the environment around the building to be shady and cool.
- 2. Choosing a building shape And making use of natural factors for energy saving.
- 3. Using technology suitable for a hot and humid climate to reduce heat entering the building.
- 4. Using high-performance systems and equipment.
- 5. Use of building monitoring and control systems for energy efficiency.

#### UNIT TYPE





1 BEDROOM





2 BEDROOMS







3 BEDROOMS 26 UNIT



#### **FEASIBILITY ASSETMENT**

PROJECT Residential Building (76 Units)
PROJECT OWNER Real Estate Company
PROJECT LOCATION Huay Kaew Rd., Suthep, Chiang Mai
LAND SIZE 5,201.3 sqw. (20,805.2 sqm.)
APPRAISAL PRICE 33,000-55,000 thb/sqw.
AREA REQUIREMENT 12,022.79 sqm.

TARGET GROUP Power Generation x-y (earn 40,000 thb or more)
AREA REQUIREMENT 12,022.79sqm. (open space40%)
SALES AREA 5,527 sqm.
LAND PRICE 221,252,900 thb
CONSTRUCTION COST 66,931,215 thb (6,500 thb/sqm.)
DESIGN COST 1,003,968.22 thb (1.5%)
SELLING PRICE 95,000 thb/sqm.

BREAK EVEN POINT 43.6% (34 units)
SEGMENT Upper Class 95,000 thb/sqm. (90,000-120,000)
PROJECT PERIOD 3 years
CHARACTTERISTIC OF RETURN ON INVESTMENT Short term (1-3 years)

#### THE NORTHERN HEIGHTS **BUSINESS PARK AND HOTEL**

STUDIO IV

PROJECT LOCATION

Highrise Building Chiang mai, Thailand

AREA YEAR 27,853.5 sqm. 2019

Chaing Mai has a long history with unique characteristic in both traditional and culture. Therefore is a famous tourist destination which able to tralvel all year and suitable for all ages, the tourist season with a lot of tourist is from November to January, which during the Loy Krathong Festival to the New Year Festival.

#### USER

In which Chaing Mai is a popular destination, "MICE business" which has a distinctive image in 3 main areas : 1. Basic needs, such as convenient transportation links accommodation meets international standards excellent facilities 2. Impressions include hospitality if people and food 3. Unique experiences, including traditions, culture and abundant nature. There are also special event in addition to many MICE events to choose form with convenient travel-in and out of the country have a business opportunity

#### Main Target Group

- Other

M: Meeting I : Incentive Travel

MICE

C: Convention, Conferencing

E: Exhibition, Event

#### SecondaryTarget Group

- Tourist

#### AREA REQUIREMENT

AREA REQUIREMENT	AREA (SQM.)
HOTEL GUEST ROOM	U)
STARDARD (184 UNIT)	6624
DULUXE (22 UNIT)	1672
SUITE (52 UNIT)	6210
PREMIER SUITE (6 UNIT)	1416
HOTEL FACILITY	2156
HOTEL LOBBY	864
HOTEL SPA AND MASSAGE	820
BANQUET	864
BUSINESS CENTER	644
EXHIBITION	820
RESTAURANT	216
OFFICE	1620
BUILDING SYSTEM	3927-5
TOTAL	27853.5

#### SITE

Chang Klan District, Chiang mai

Chiang Mai Province has a long history where was the capital of the ancient Lanna Kingdom with unique characteristics in both tradition and culture. There are many tourist attractions by beginning posing as a creative city and has been declared a creative city in the world of handicrafts and folk art as well



#### **CONCEPT DESIGN**

"Chiang Mai City of Craft and Folk Art

Arts and Crafts that are beautiful as a heritagr to the present day. Unqiue of Mae Chaem cauesd by the invention and creating pattern on the fabric by means of the insert or qouqing of cotton threads diffent colors that are interwined with each other in order to

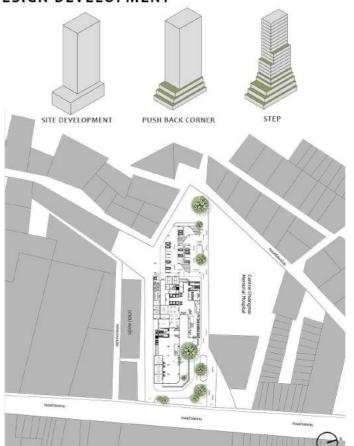








TRADITIONAL DESIGN DEVELOPMENT







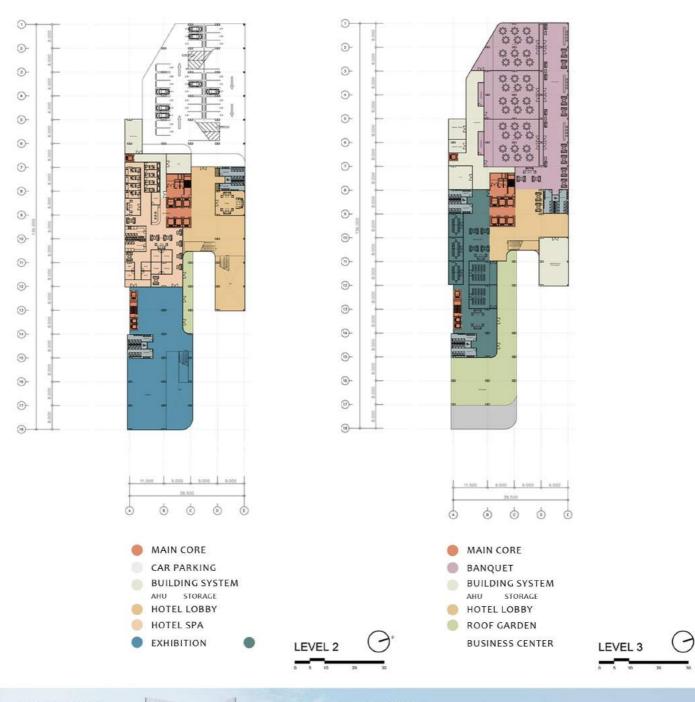




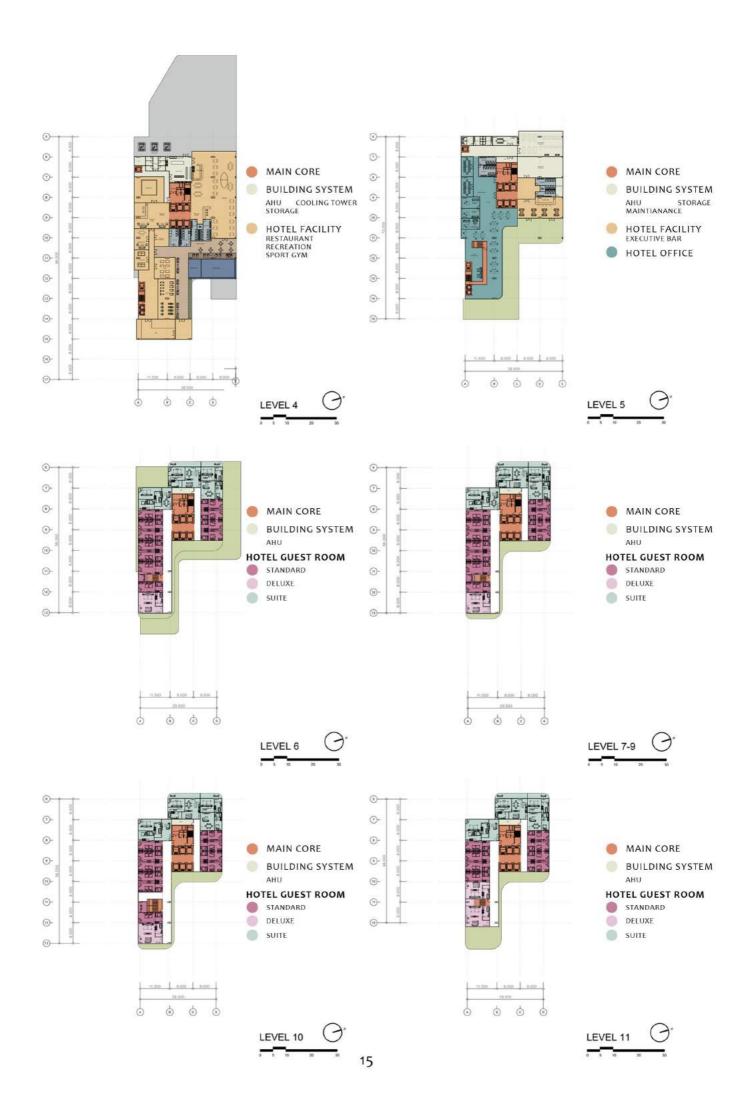


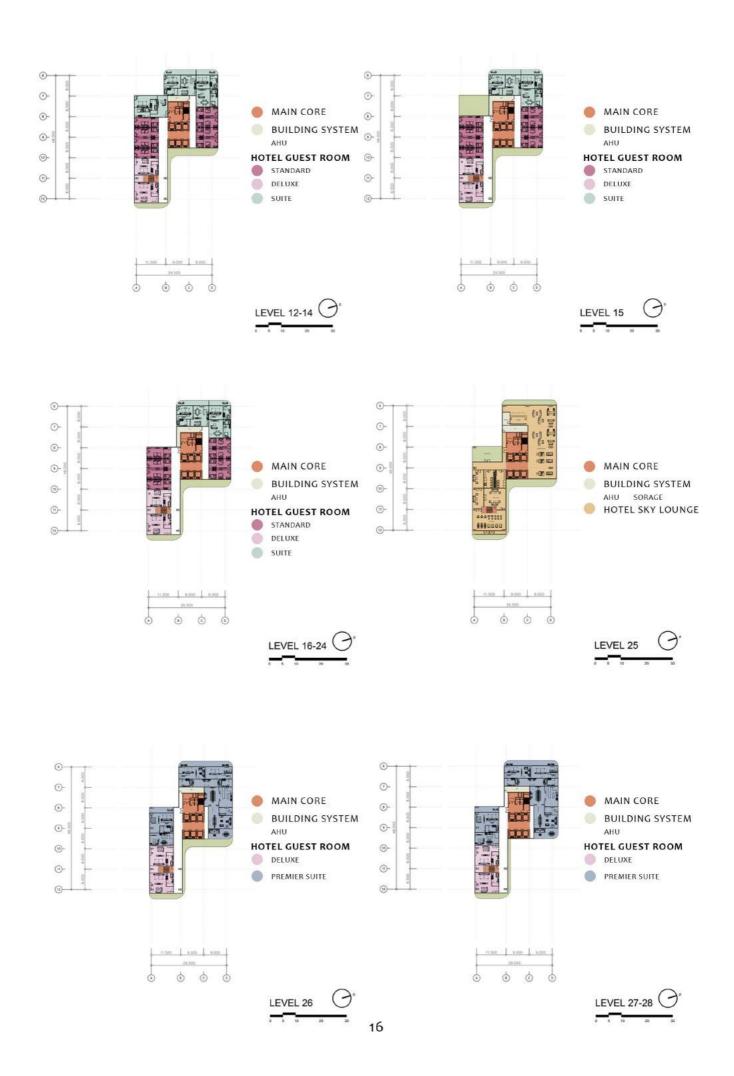


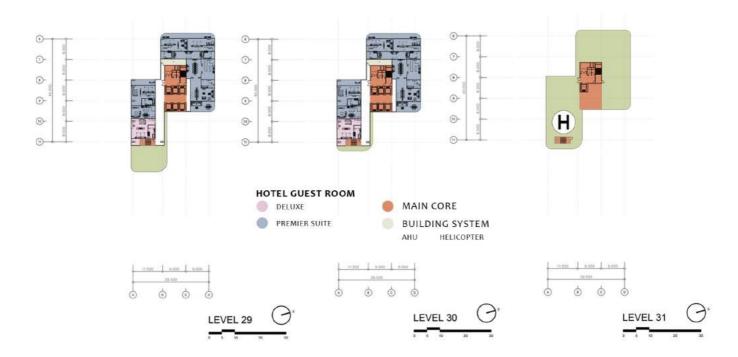












DOUBLE BED 38 SQM.

#### HOTEL GUEST ROOMTYPE

STANDARD



SINGLE BED 34 SQM

DELUXE



DELUXE 76 SQM.

#### SUITE



2 BEDROOMS 110 SQM.



2 BEDROOMS WITH BALCONY 124 SQM.

#### STUCTURE AND **BUILDING SYSTEM**



#### **ELECTRIC SYSTEM**

MDB GENERATOR TRANSFORMER DIESEL STORAGE LOAD CENTER DIESEL STORAGE

#### AIR CONDITION SYSTEM

AHU COOLING TOWER

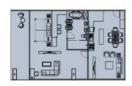
WATER SYSTEM
WATER PUMP ROOM
WASTE WATER TREATMENT
BOILER ROOM
FIRE PUMP ROOM



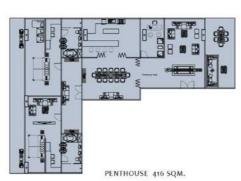
#### FIRE SYSTEM

FIRE ESCAPE WITH WALL THINCKNESS 0.4 m. FIRE PROOF GRASS FIRE HOST CABINET FIREMAN LIFT SPRINKLE

#### PREMIER SUITE



PREMIER SUITE 146 SQM.



## **BAAN KLANG NA** BOUTIQUE HOTEL

PROJECT

LOCATION

Chiang mai, Thailand Hotel

AREA YEAR 6000 sqm. 2018

The hotel is baed on the unique characteristics of Lanna Chiang Mai, Keng Tung and the context of the project location, including the Ping river, rice field and communities, by using the distinctive points of each culture to develop a contemporary architecture to meet the needs of the tourism industry in Chiang Mai that is popular in the field of culture tourism and natural tourism.



#### CONCEPT DESIGN

Keng Tung The uniqueness, complexity and

repeatability of the gable roof including tthe way of life that is similar to Lanna

Chiang Mai.

Chiang Mai Galae House with the unique degrees of

roof and connecting the area by using the terrace and floor plan use the lower level

instead of the room partition.

Nature The way of life of the Lanna and Keng

Tung people all comes from rice and being nourished by the water that flows

#### USER

Chiang Mai is a famous tourist destination where able to travel all year for all ages, the tourist season which has many tourists is from November to January, which during the Loy Krathong Festival to the New Year Festival.

- 1. Main target group
  - Asian tourists (China, Japan, Korea)
- European tourists
- 2. Secondary target group - Thai tourists
  - Other

#### **DESIGN PROCESS**







ROOF ELEMENT

LIFT UP ENCLOSE FUNCTION

MORE FUNCTIONAL





TRADITIONAL

MODERN

#### AREA REQUIREMENT

LIVE

HOTEL GUEST ROOM 20 UNIT 12 UNIT 5 UNIT

EAT

RESTAURANT

RELAX

SPA AND MASSGE **EXHIBITION GALLERY** 

AREA REQUIREMENT	AREA (SQM.)
LIVE	3336
EAT	372
RELAX	270
SERVICE	582
TOTAL	4560

#### SITE

Mae Rim District, Chiang mai

Chiang Mai Province has a long history where was the capital of the ancient Lanna Kingdom with unique characteristics in both tradition and culture. There are many tourist attractions by beginning posing as a creative city and has been declared a creative city in the world of handicrafts and folk art as well

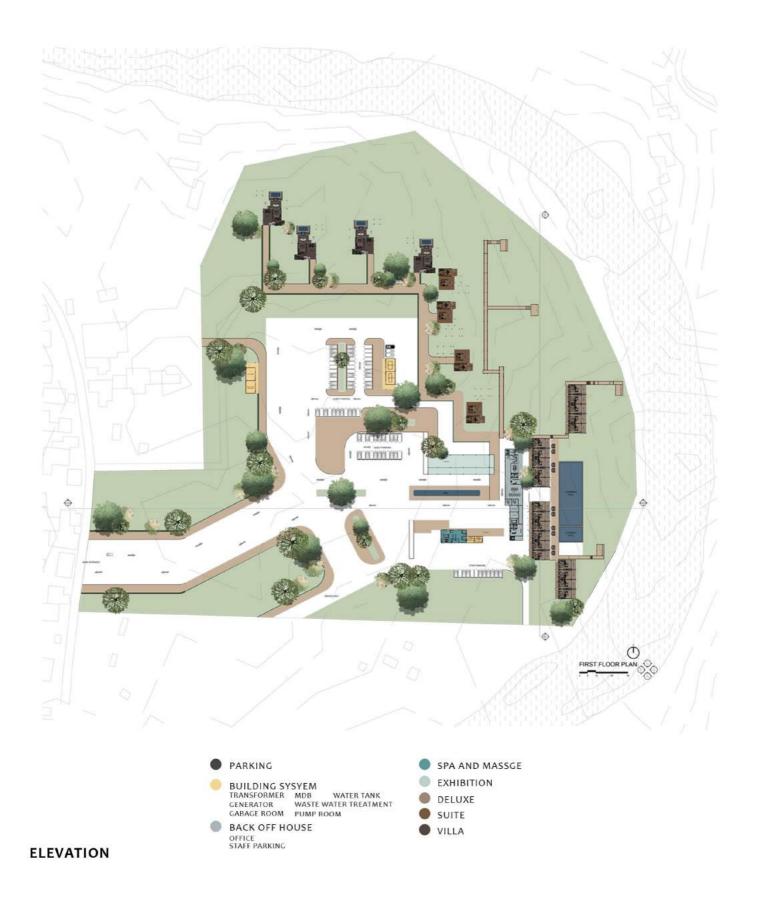












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#### SECTION B

#### HOTEL GUEST ROOMTYPE

DELUXE 48 sqm. (20 units)



SUITE 98 sqm. (12 units)



VILLA 240 sqm. (5 units) •





#### **BUILDING STRUCTURE** AND SYSTEM

#### STRUCTURE

Post Tension System Rectangle Column 0.20x0.20 m.

Wood system

Steel system

ELECTRIC SYSTEM MDB GENERATOR TRANSFORMER LOAD CENTER

AIR CONDITION SYSTEM

FIRE SYSTEM
FIRE HOST CABINETIRE PUMP ROOM
SPRINKLE

#### WATER SYSTEM

WATER PUMP ROOM WASTE WATER TREATMENT POOL SYSTEM

# CHIANG MAI HEALTH

STUDIO III

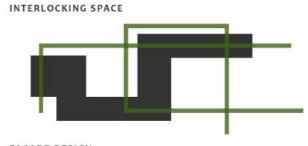


#### CONCEPT DESIGN

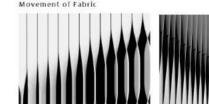
In desinning this project, Chaing Mai Health Community is based on the coexistence between human and nature that are interdependent. Therefore bring this relationship between human and nature to interlock to

In addition, Facade design is derived from the rhythm of the movement of the fabric in the Yoga Fly, which has a beautiful spiral pattern and the layer of uneven thickness of the fabric, So bring these idea and principles in design of architecture both in the facade to decorate the building and prevent sunlight shining through each afternoon and also make the building look more unique.

# DESIGN DEVELOPMENT



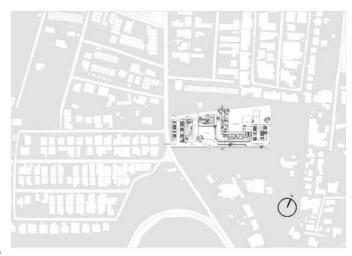
#### FACADE DESIGN

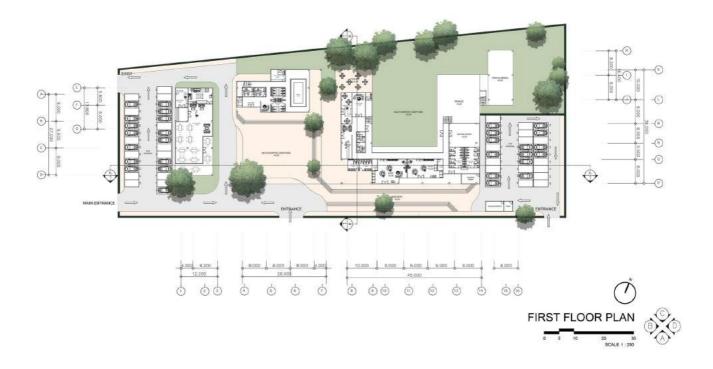


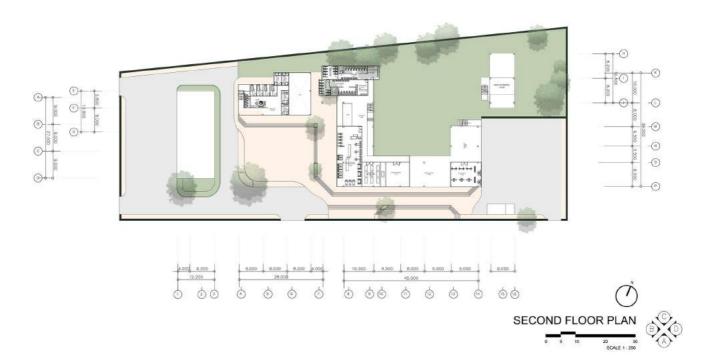
#### SITE SELECTION

Su Thep, Mueang Chiang Mai District, Chiang mai

The location near the big intersection can be easily observed and attrct users. The Project has a design different from other shopping centers in the form of Community Mall, resulting in a lot of open space. So there are the way to go home, work, school and near landmark such as the airport, Nimmanhaemin rd.







#### USER

Working age group 25-34 years who have lifestyles interested in health care plan for future health and student groups that are interested in health whether it is a single activity or a group activity.

- 1. Chiang Mai University Personnel Group
- 2. Civil Servant and State Enterprises
- 3. General private group
- 4. General group
- 5. Student group

#### **FUNCTION**

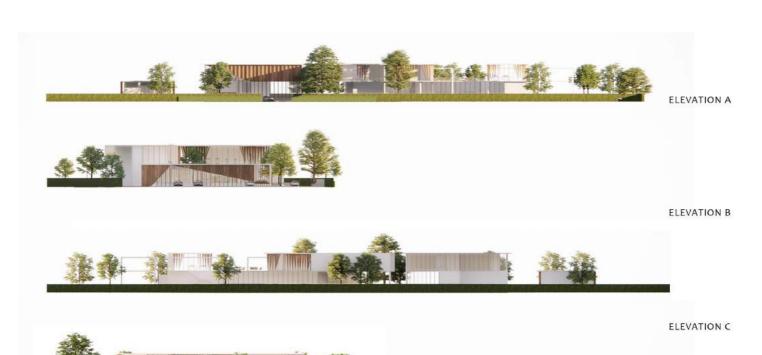
- 1. Restaurant
- 2. Organic Retail Shop
- 3. Physical Therapy
- 4. Hydrotherapy
- 5. Spa and Massage
- 6. Fitness

- 7. Pilates
- 8. Yoga
- 9. Boxing
- 10. Zip Fit
- 11. Sport Retail ship
- 12. ETC.



The main structure is reinfored concrete with long span terrace. The interior of the building opens to the outside using glass, so the space from the buildin into the terrace at the garden is "Geometric Control" in which the architecture interacts with nature by exposing the light to the green space of the tree came in for the architecture reflects the Modern Movement

#### **ELEVATION**



ELEVATION D

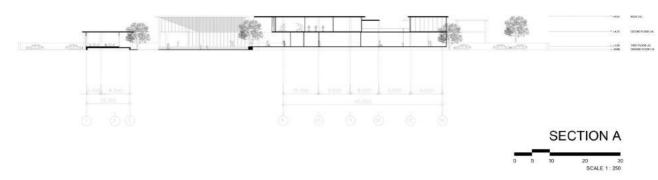


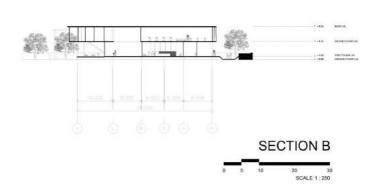






#### **SECTION**

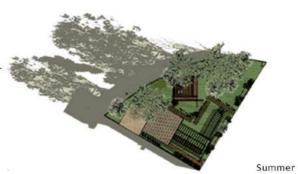




# APPLIED LANDSCAPE ARCHITECTURE COMPETITION

#### **OWNER'S REQUIREMENT**

Private area with large tree to conceal sight from the 5 intersection of the electric cable in the west area. There is a pavilion in the public area for 6-8 usersm connecting to the well using the most original materials. There is an outdoor kitchen for small party activities on the west side od the fence is a storage area for wooden equipment and planting flower plants, friut trees and vegetables in the garden.



#### CONCEPT DESIGN

From the requirement and owner's idea, therefore, there are garden design ideas. The style of "Shade" and "Joyful" by designing the garden to relax the mood of the house. There are a pavilion to connect the relationship of the family which the pavilion has been designed to consist of 2 parts that are private pavilion used as seating and open terrace can be an outdoor kitchen layout of the pavilion used with mixed trees.



#### **FUNCTIONAL DIAGRAM**

Wood Shop Pavilion Site Residential Area

#### Shade

#### SITE ANALYSIS

63 Soi 3 Thapae Rd.,Chang Moi, Mae Rim District, Chiang mai











Create privacy by bringing medium sized trees to cover the eyes. Also creating an atmosphere with the mild scent of the tree that gives the fragrance such as Peep, Mok and decorated between walkway with gravel gardens to create peace. There is a multi-purpose pavilion between the house and wood shop with a view that can see the





#### **DETAIL**



**PAVILION** 



# X-Fin HOME OFFICE SYS STUDENT DESIGN CONTEST 2018

Wua Lai Rd., Mueang Chiang Mai District, Chiang mai

#### CONCEPT DESIGN

Commercial building that support modern office work that needs flexibility, convenience and complete in one place. This building has been designed under the concept of green building and nowaday Wua Lai has a lot of attention both in art, culture and business. Therefore is an ideal location to be an Online Marketing Office

#### **FUNCTIONAL DIAGRAM**



#### **USER**

Office for online media workers who look after the overview of social media for customer and internal projects

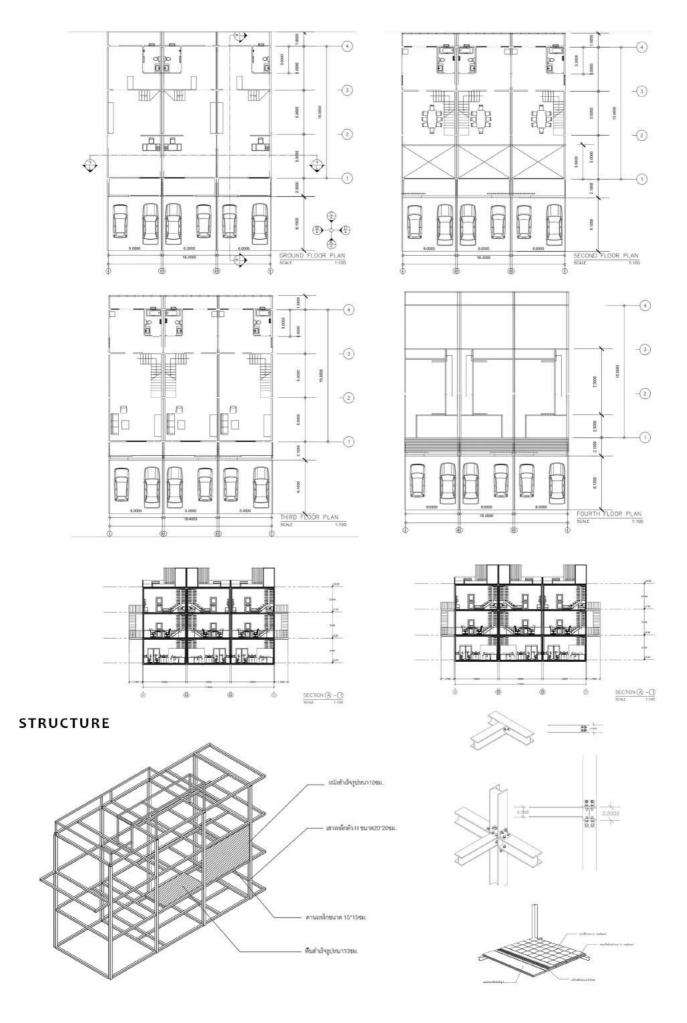
- Community manager
- Social media manager
- Content manager
- Virtual reality consultant
- Data analyst
- User experience manager
- Security guard
- Maid











#### **FLAT TO FORM DESIGN COMPETITION 2019**

Thinking about relationships between two-dimensions, three-dimensions and materials such as laminates that arise in design work, including the design process to create a variety of possibilities

#### CONCEPT DESIGN

From the relation of two-dimensional plane therefore the idea of creating a plane of relation is to compare the lines of the seat plane to the connections that form a three-dimensional space which cann actually be used

#### **DESIGN DIAGRAM**



The connection of plane to form

#### MATERIAL



Lamitak WY#4224D







#### PLAN



#### **ELEVATION**



#### SECTION













