



# **Chopper Lodge**

**Mr. Phobthorn Anantawilailekha**

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Interior Architecture, School of Architecture

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2/2005



**Thesis Approved:**

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Date (A. Pisit Viriyavathana , Dean)

---

Date (A. Vatcharat Samakkamai , Chair person)

---

Date (A. Khemita Visudharomn , Thesis advisor)

March, 2006

Today, several groups of people who love motorcycle have organize themselves as a group or various associations to exchange different perspectives, knowledge, and experiences which enable visions, senses and many benefits to general people. However, in Thailand doesn't have a place for the motorcycle lover like other countries and this become the problems for motorcycle lover's in Thailand to find the place to organize themselves.

This Chopper Lodge will be the place where provides entertainment, gallery, exhibition hall, information centre, guest room and motorcycle service.

The purpose of this project isn't only the orientation of the association of bike's lovers but the centre for providing information, gallery, services and entertainment also. The provisions of knowledge to general people are visible in much information. Hence, the followings are the medias through which the information, entertainment is provided to the general people:

- Entertainment part to entertain customer.
- Motorcycle service part to modify, build, repair and check.
- Guest room to reserve customer who want to change the atmosphere for relax and for customer who come from distant
- Perception through gallery.
- Exchanging various perspectives by using the influence of interior space.
- Multimedia to provide general knowledge in terms of reading and visualization.
- Launching an exhibition to provide modern knowledge about the world's current event.





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## **Acknowledgements**

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I wish to thank my parents for being supportive both financially and in encouraging me for doing this thesis. Special thanks are given to A.ooi, A.A, A.Nath, A.Na, A.Pingpong, A.Noi, A.Pe and all Interior lecturers. Extra thanks are forwarded to my angels, and all my friends who have helped me with this thesis. This thesis would not have been completed without the help from the people mentioned above.



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**Mr. Phobthorn Anantawilailekha**

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# Chapter 1

---



## **Introduction**

**Project type** : Propose project  
**Project name** : **Chopper Lodge.**  
**Site location** : 1 Phattanakan 44-46 Suan Luang  
Prawat Bangkok.

### **Project Background.**

Around the year 1800 man have discovered and experimented various type of mechanical system, one of them was steam engine; until man wanted to combine bicycle with the engine. Gottlieb Daimler have invented motorcycle which have wooden chassis and uses gas as a fuel and started to developed the engine and form which later became popularized and flourished throughout Europe, and world wide respectively.

During World War I motorcycle began to play an important role in the military because of its flexibility, reliability, and easy method of production therefore, the form and efficiency of the motorcycle have been suitably developed for the purpose of the war which have influenced various technologies at that time as a basis for developing the motorcycle in the next period.

In present, motorcycles have been popularized and flourished world widely whether it is a motorcycle in the past or in present time. Hence, it has brought about a movement of people that specially unite themselves to be a group of people who loves various type of motorcycle in Thailand. Apparently, there had been usage of motorcycle in the past by wealthy people which was later popularized throughout every class of people.

Today, several groups of people who love motorcycle have organize themselves as a group or various associations to exchange different perspectives, knowledge, and experiences which enable visions, senses and many benefits to general people. However, in Thailand doesn't have a place for the motorcycle lover like other countries and this become the problems for motorcycle lover's in Thailand to find the place to organize themselves.

This Chopper Lodge will be the place where provides entertainment, gallery, exhibition hall, information centre, guest room and motorcycle service.



## **Reasons for study.**

Today, motorcycle has plays an important role in transportation, driving for amusement, collection as a hobby and modified it to look unique. Motorcycles were used from the past till present in Thailand. It is the aesthetical design of engine, chassis, suspension, wheel and technology that evolves the form, sound and velocity which imbues an obsession in the passion of motorcycle. Therefore, an association or a group of people who obsessed in the passion of motorcycle are formed as the association of motorcycle lover both the antique and new type of motorcycles. Such group of people is met at different places in Thailand. In one meeting there will be different kind of activities taking place which includes barter, transactions, verbal communication in terms of exchanging different perspectives and experiences within the aspect of Chopper Lodge.

The purpose of this project isn't only the orientation of the association of bike's lovers but the centre for providing information, gallery, services and entertainment also. The provisions of knowledge to general people are visible in much information. Hence, the followings are the medias through which the information, entertainment is provided to the general people:

- Entertainment part to entertain customer.
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- Exchanging various perspectives by using the influence of interior space.
- Multimedia to provide general knowledge in terms of reading and visualization.
- Launching an exhibition to provide modern knowledge about the world's current event.

The method of providing service that mentioned above can insert some entertainment issues into it as well as can attract the user and persuade them to come back and use the service again. Moreover, it will be the centre for unique of motorcycle, transaction of motorcycle's decorative accessories, provision of motorcycle's information. The centre of promotion and launching of motorcycle of various production brands in Thailand.

Therefore, I would like to propose a project which will be the meeting centre for the association and group of people who loves unique motorcycle in Thailand. This project will helps in arranging the meeting of the association in organized pattern and consider in the contribution of welfare to the society. Thus, this is the purpose of proposing the project of "Chopper Lodge".

## **Problem and solving.**

- **P:** Lack of the centre to provide information and understanding about motorcycle in the aspect of collection or utilization.
- **S:** To providing information through multimedia and visualization.
  
- **P:** Lack of the centre for promoting and launching motorcycle aesthetic motorcycle officially.
- **S:** To providing promoting and launching motorcycle officially.
  
- **P:** Lack of official meeting centre and entertainment centre for the association and group of people who obsessed in the passion of motorcycle which arises the problem of unorganized meeting at various places which may create traffic congestion and pessimistic view of people towards the association or group of people who loves motorcycle.
- **S:** To providing official meeting centre and entertainment centre for the association.
  
- **P:** Lack of the centre for bartering and transacting motorcycle's decorative accessories officially.
- **S:** To providing the centre for bartering and transacting motorcycle's decorative accessories officially.

## **Objective of study.**

- 1 To provide information and understanding about motorcycle to the group of bike's lover and general people who interest in unique motorcycle.
- 2 The centre of promoting chopper in Thailand or ASEAN.
- 3 The organized meeting of the associations and group of people who loves motorcycle in order to contribute and develop social's creativity and welfare.
- 4 The centre of bartering and transacting motorcycle's decorative accessories in an organized manner.
- 5 To provide entertainment for motorcycle's lover.
- 6 To provide a service and modify motorcycle.



## **Scope of research.**

- 1 Study research and interview) to collect the data about the project carefully including the topic below:
  - Organization diagram.
  - Function of gallery and bar & restaurant space.
  - Function of entertainment space (Bar and Restaurant).
  - Function of guest room.
  - Function of fitness and spa.
  - Function of service garage space.
- 2 Study similar design cases study to learn about the advantage of the particular projects.
- 3 Synthesize the programmatic data to Interior Design.
- 4 Motorcycle user's behaviors.
- 5 Programs study.

### ***Public space***

- Reception area.
- Multi purpose Hall (will be an area to display various brands of outstanding motorcycle such as BMW, Harley-Davidson, Ducati that are modified.)
- Gallery (will be an area to particularly display the model of unique motorcycle.)
- Information zone (consist of online Network, multimedia.)
- Bar and Restaurant.
- Retail, accessory and Souvenir Shop & Storage.
- Meeting room.
- Fitness & spa.

### ***Guest room***

- Standard.
- Deluxe.
- Suite.

### **Office space**

- Office.
- Office supplies & Storage.
- Meeting room.
- Staff common area.
- Back office.
  - Art & Technical Workshop.
  - Security.
  - Janitor.

### **Garage space**

- Reception & Waiting area.
- Loading zone.
- Work shop space.
- Wash area.

## **7 Scope of project.**

- 1 In order to achieve the successful design process (from collecting data to acquiring the design concept) this project will emphasize the study and design of the following:

### **Public space**

- Reception area.
- Multi purpose Hall (will be an area to display various brands of outstanding motorcycle such as BMW, Harley-Davidson, Ducati that are modified.)
- Gallery (will be an area to particularly display the model of unique motorcycle.)
- Information zone (consist of online Network, multimedia.)
- Bar and Restaurant.
- Retail, accessory and Souvenir Shop & Storage.
- Fitness & spa.

### ***Guest room***

- Standard.
- Deluxe.
- Suite.

### ***Garage space***

- Reception & Waiting area.

## **2 Presentational process:**

- Computer presentation of plan, elevation, section and perspective in proper scale for easy understanding of the final design and the space. To show whole image of the project.
- Presentation chart is for some extra details apart from the design requirement that will support the project in conceptual idea, including material, color, texture and furniture details.
- Model: in order to see the project even more clearing in 3 dimensional spaces. To see actual space.

## **Definition of Term.**

***Chopper*** - Representing the motorcycle custom made and modified.

***Lodge*** - The place where motorcycle's lover unite themselves as an association to exchange their experience about motorcycle and have an activity together including other services for reserve customer such as bar& restaurant garage and guest room.

***Information Center*** - The place that provide information and understanding of motorcycle through visual and reading experiences and exchanging different perspectives under the influence of interior space.





## **2.1 Literature Review.**

### **1. Evolution of Unique Motorcycle Lodge.**

- Group of User.
  - Local people.
  - Motorcycle user.
  - Motorcycle's lover.

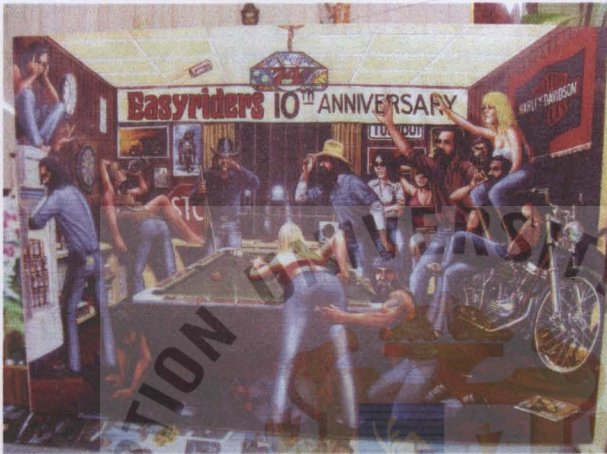


Figure 2.1

<http://www.let-ride.com/news.htm>.  
<http://www.hd-playground.com>  
<http://www.bandidosmc.com>  
<http://www.hotbikeweb.com>  
<http://www.ridethailand.com>

- History.
  - Outlaws, Animals and Sex Machines.
  - Truckin' through the 60's choppers rule.

( The art of motorcycle, Guggenheim, Las Vegas,  
ISBN0892072075, 2001. )

( Chopper, Mike Seate, ISBN 0-7603-1339-3. )

### **2. Evaluation of design principles for Unique Motorcycle Lodge.**

#### **• Hotel & lodge.**

- New Hotel, Alejandro Bahamon, ISBN 981-245-062-9.
- <http://www.thaihotellinks.com/hardrock-pataya/>

• **Bar & Restaurant.**

- Hotel restaurant & Bars, Outstanding design for all type of hotels, ISBN 4-7858-0037-2.
- Restaurant & shop façade 2, 301 outstanding restaurant, café, bars & amusement facilities, ISBN 4-7858-0251-0.
- Café & restaurant-3, 50 outstanding, ISBN 4-7858-0034-8.
- Bar & Taverns, ISBN 4-7858-0032-1.
- World Restaurants & Bars, ISBN 4-7858-0134-4.

• **Fitness & Spa.**

- handbook of sports and recreation building design vol. 2 / second edition by GERAINT JOHN / KIT CAMPBELL
- Changing room [ p. 197 – p. 200]
- Weight machine from FBT sport center on Ramkhunhang Rd

• **Chopper gallery.**

- Chopper, Mike Seate, ISBN 0-7603-1339-3.
- Retail design, Otto Riewoldt, ISBN 1 85669 215 9.
- The art of motorcycle, Guggenheim, Las Vegas, ISBN0892072075, 2001.

• **Garage space.**

- Case study.

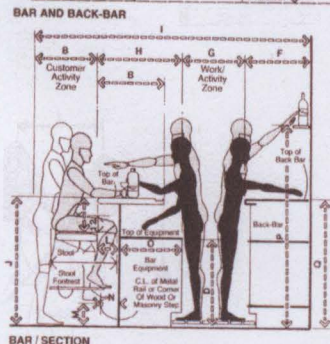
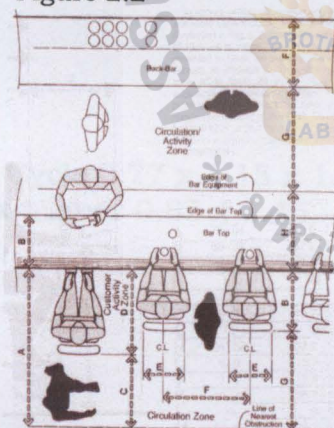
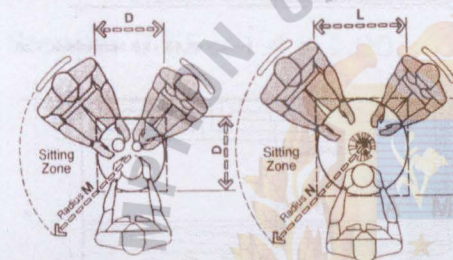
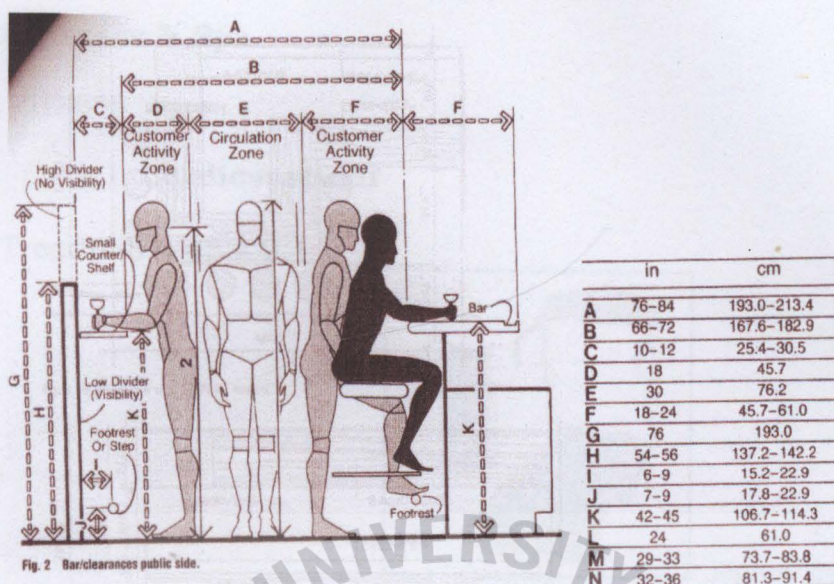
**3. Human factor.**

**Physical.**

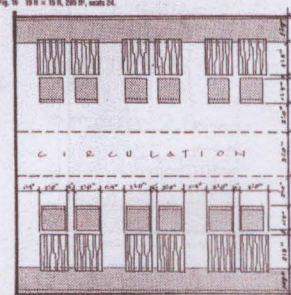
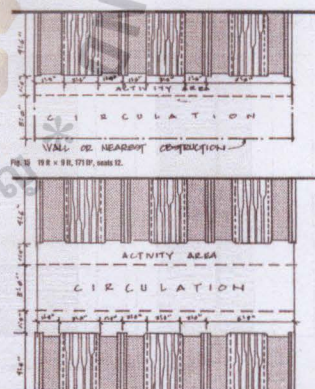
• **Hotel & lodge.**

• **Bar & Restaurant.**





	in	cm
A	54	137.2
B	18-24	45.7-61.0
C	24	61.0
D	30	76.2
E	16-18	40.6-45.7
F	24-30	61.0-76.2
G	30-36	76.2-91.4
H	28-38	71.1-96.5
I	100-128	254.0-325.1
J	42-45	106.7-114.3
K	11-12	27.9-30.5
L	6-7	15.2-17.8
M	7-9	17.8-22.9
N	6-9	15.2-22.9
O	22-26	55.9-66.0
P	60-69	152.4-175.3
Q	36-42	91.4-106.7





• **Fitness & Spa.**

1. **FITNESS 2types**

1.1. **Cardicvascular**

- Treadmill 0.85 x 2.1



Figure 2.4

- Stepper 0.65 x 1.4 x 1.20

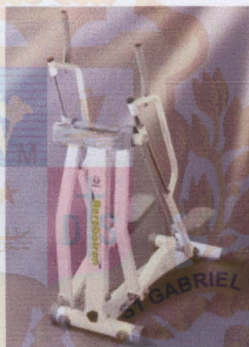


Figure 2.5

- Cycle 0.77 x 1.15 x 1.85

- Cross-trainer 0.85 x 1.45



Figure 2.6



## 1.2. Strength ( 25% for GYM)

### 1.2.1 Upper body

- Chest press ( 1.45 x 1.17 x 1.95 )
- Incline press ( 1.45 x 1.30 x 1.65 )



Figure 2.7

- Pulldown ( 0.99 x 1.42 x 1.95 )
- Row / rear delt ( 0.70 x 1.60 x 2.10 )
- Overhead press ( 1.40 x 1.60 x 1.55 )
- Lat pulldown ( 1.35 x 1.55 x 1.95 )
- Fly ( 1.35 x 0.95 x 1.40 )



Figure 2.8

- Lateral raise ( 1.00 x 1.32 x 1.70 )
- Arm curl ( 0.97 x 1.27 x 1.40 )
- Arm extension ( 0.95 x 1.35 x 1.40 )
- Smith press-fixed bar ( 2.15 x 1.27 x 2.17 )
- Bench press ( 1.30 x 1.32 x 0.75 )
- Row ( 0.80 x 1.48 x 1.85 )
- T-bar row ( 0.85 x 2.05 x 0.9 )



### 1.2.2 Thunk Ang Torso

- AB crunch ( 1.07 x 1.07 x 1.40 )
- Back extension ( 1.05 x 1.27 x 1.55 )
- Torso rotation ( 0.75 x 1.10 x 1.71 )

### 1.2.3 Lower Body

- Seated leg curl ( 0.99 x 1.78 x 1.55 )
- Hip adduction ( 0.71 x 1.35 x 1.40 )
- Seated leg press ( 1.10 x 2.26 x 1.85 )
- Leg extension ( 1.00 x 1.28 x 1.55 )
- Prone leg curl ( 0.95 x 2.04 x 1.55 )
- rotary caly ( 1.10 x 1.50 x 1.55 )
- Glute ( 0.82 x 1.45 x 1.40 )
- Standing culy ( 0.77 x 1.20 x 1.80 )
- Squat press ( 1.60 x 1.96 x 1.12 )
- Hack squat ( 1.53 x 1.96 x 1.25 )
- Kneeling leg culy ( 0.87 x 1.20 x 1.10 )
- 45 calf ( 0.72 x 1.43 x 0.95 )
- Seated calf ( 0.60 x 1.35 x 0.95 )

### 1.2.4 Free weight [Dumbbell]



Figure 2.9

- Squat rack ( 1.81 x 1.07 x 1.78 )
- Training station ( 1.20 x 1.15 x 1.15 )
- Power, Cage ( 1.55 x 0.94 x 2.44 )
- Olympic bench press ( 1.27 x 1.76 x 1.25 )





Figure 2.10

- Olympic inching press (1.27 x 1.50 x 1.40)
- Olympic decline press (1.27 x 1.95 x 1.15)
- Military press (1.60 x 1.27 x 1.71)
- Scott curl (0.72 x 1.12 x 0.97)
- Bent-leg abdominals board (0.59 x 1.43 x 1.15)
- 45 back extension (0.69 x 1.47 x 1.09)
- Chin-Up / Dip (0.87 x 1.22 x 2.49)
- Leg raise / Dip (0.77 x 1.22 x 1.63)
- Twin tier dumbbells rack (2.29 x 0.59 x 0.79)

• **Unique Motorcycle gallery.**

- Chopper, Mike Seate, ISBN 0-7603-1339-3.
- The art of motorcycle, Guggenheim, Las Vegas, ISBN0892072075, 2001.

• **Garage space.**

- Time-saver standard for interior design and space planning/Joseph De Chiara, Julius Panero, Martin Zelnik, ISBN 0-07-016299-9.



• Retail shop.

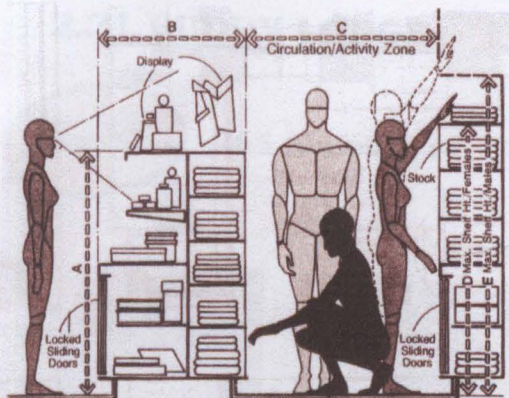


Fig. 5 Typical merchandise cases.

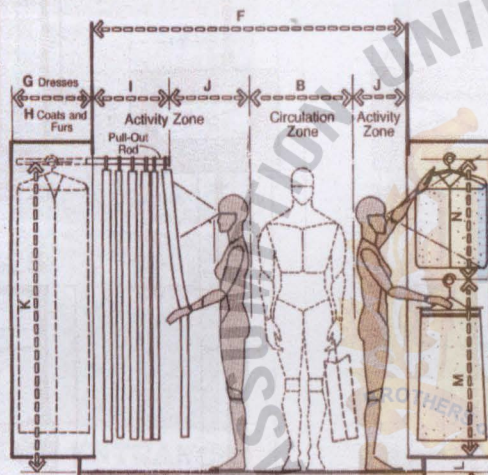


Fig. 6 Hanging merchandise cases.

	in	cm
A	48 max.	121.9 max.
B	30–36	76.2–91.4
C	51 min.	129.5 min.
D	66	167.6
E	72	182.9
F	84–96	213.4–243.8
G	20–26	50.8–66.0
H	28–30	71.1–76.2
I	18–24	45.7–61.0
J	18 min.	45.7 min.
K	72 max.	182.9 max.
L	4	10.2
M	42	106.7
N	26 min.	66.0 min.

Figure 2.11



**2.2 CASE STUDY.**

**2.21 BUDDY LODGE**



265 khaosan rd. Taladyod phranakorn Bangkok.



**MAIN ENTRANCE**  
Figure 2.12



**LOBBY**  
Figure 2.13



**BAR(220)**  
Figure 2.14



**RESTAURANT**  
Figure 2.15



**GUEST ROOMS(76)**  
Figure 2.16



**SHOPPING PLAZA**  
Figure 2.17



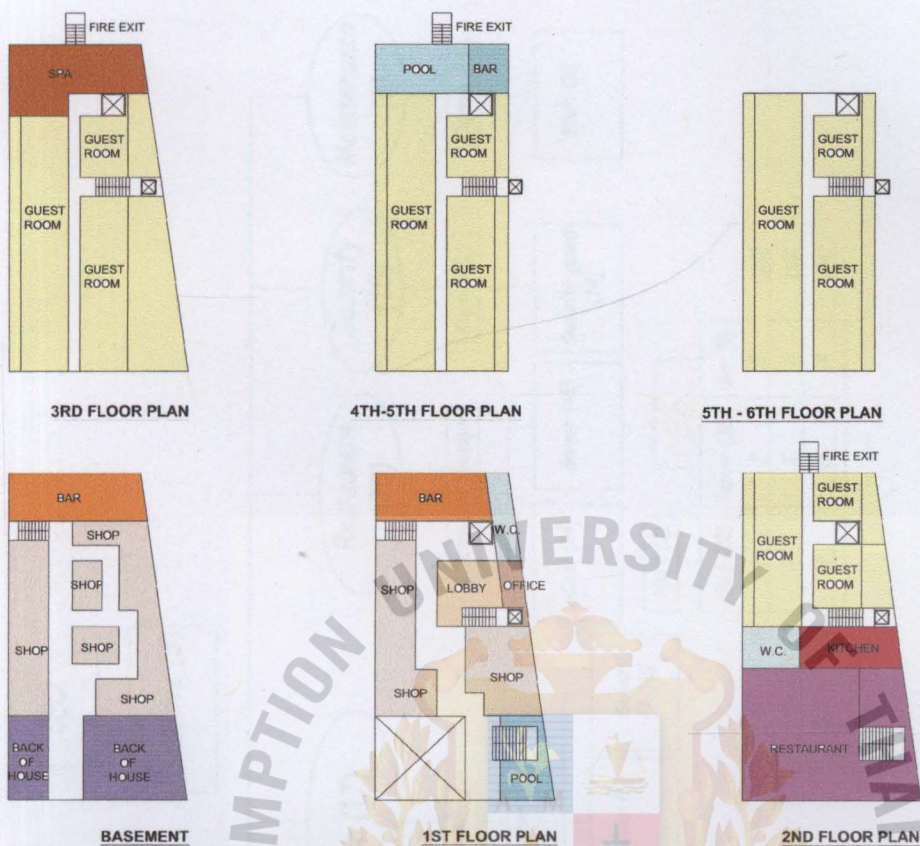


Figure 2.18

## ZONING

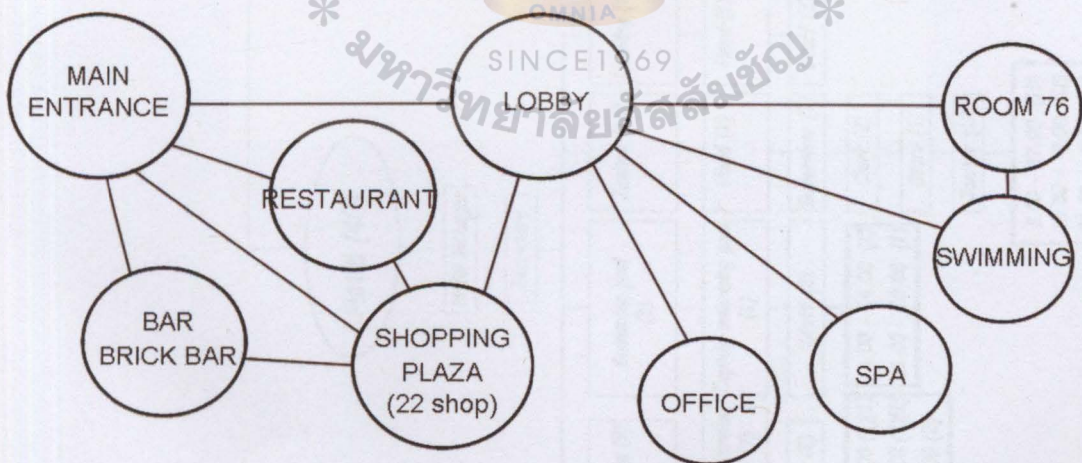
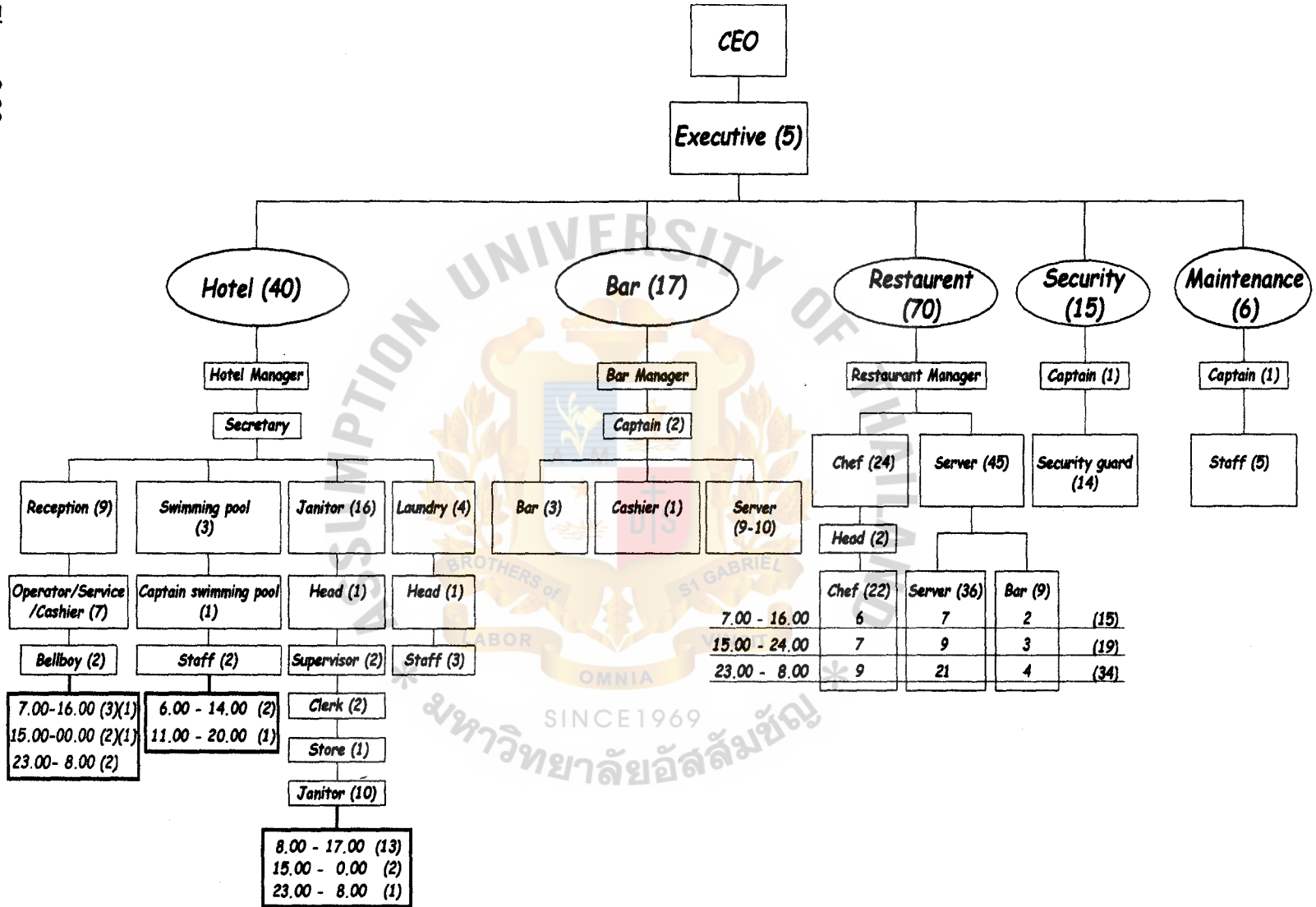


Figure 2.19

## Bubble diagram

Figure 2.20





2.22 Brick Bar

Buddy lodge  
265 khaosan rd.  
Taladyod phranakorn  
bangkok open 16.30-2.30



Figure 2.21

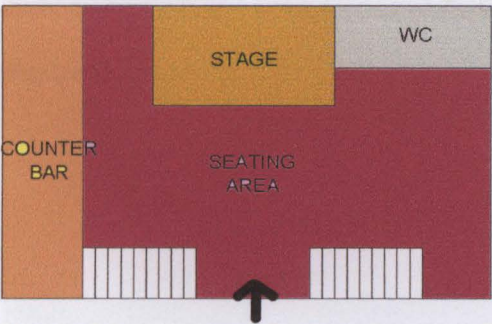


Figure 2.22

ZONING



## Analysis

- Planning is easy and functional. There isn't much waste space, easy to access second floor.
- Conceptual design clearly shows in design. This bar show traditional like collection bar.
- Even this bar color is earth tone and massive but big open void and decorating solved this problem.
- This bar has large interior space so it easy to do activities likes dancing or serving circulation.
- Using curve line to make soft look to interior space.
- Interior space has huge structure made massive look.
- Interior has showed texture of brick and wood (teak).
- Most of furniture made from wood.
- Furniture have design simple and old style.
- Using barrel to be the table some corner.
- Interior space use warm light from halogen and incandescent.

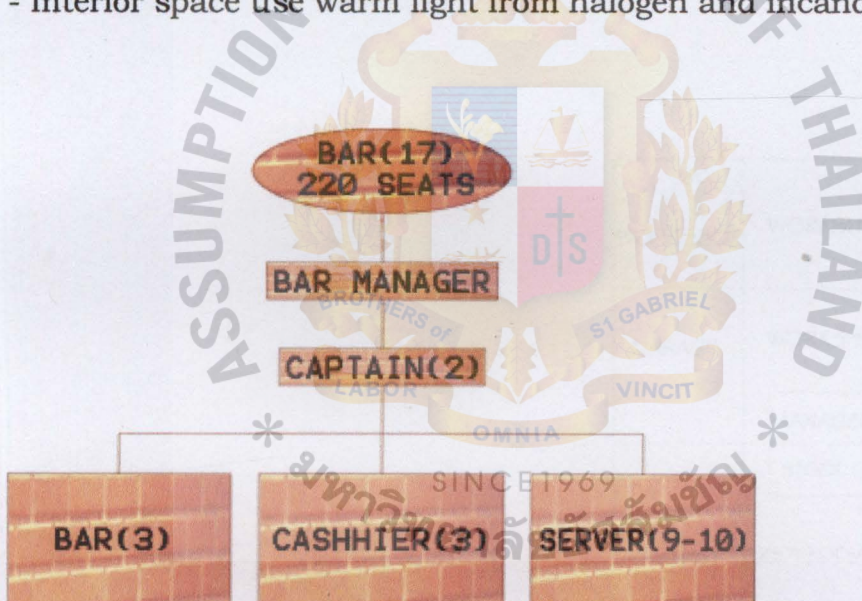


Figure 2.23

## Organization chart



2.23 POWER STATION MOTORSPORT CO., LTD.

628 Soi Ramkhamhaeng 39 (Soi Thepleela1)  
Ramkhamhaeng Rd. Wongthonglang Bangkok



Figure 2.24

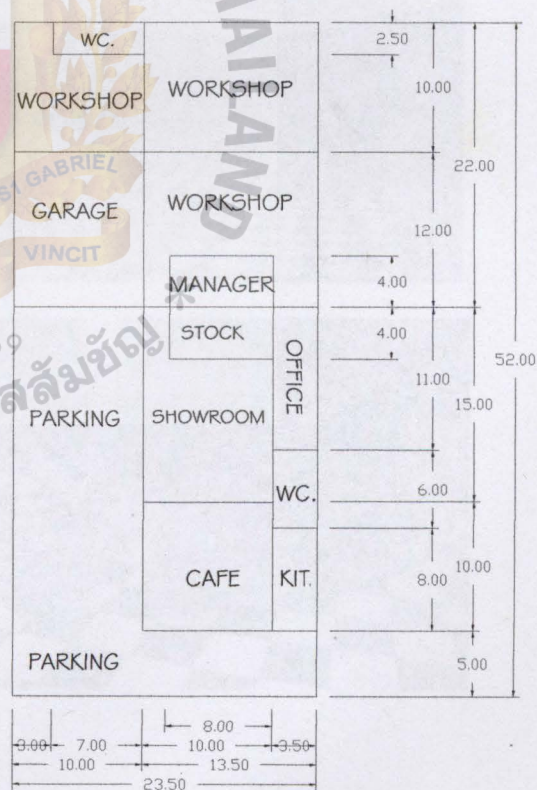


Figure 2.25

ZONING



**- CAFÉ. ( 3 )**



Figure 2.26

- 1 Cashier / Order.
- 2 Cook.

**- SHOWROOM. ( 5 )**



Figure 2.27

- 1 Sale manager.
- 1 Accessory part.
- 1 Stock.
- 2 Foreigner affairs.



- **OFFICE. ( 3 )**

- 3 Financial.

- **SERVICE GARAGE. ( 8 )**



Figure 2.28

- 1 Manager. ( **service** )
- 1 Head of mechanic.
- 6 Mechanics.

- **JANITOR. ( 2 )**

- 2 Janitor.

## Analysis of the Internal Environment

- Cafe	100	m <sup>2</sup>
- Showroom	110	m <sup>2</sup>
- Office	38.5	m <sup>2</sup>
- Service garage	485	m <sup>2</sup>

**Total 805.5 m<sup>2</sup>**

Height of Garage	3.50-4.00	m.
Height of interior	3.00	m.
Total height of the building	4.00	m.

## Analysis

- Easy planning not much design, cause hasn't enough space.
- Design display by using bike and lighting lead eye sight to the interesting point.
- Garage is clear space air flow.
- There is separated working area with air condition from working area without air conditioner.
- Showroom and cafe used warm light from halogen an incandecent

## Organization Chart

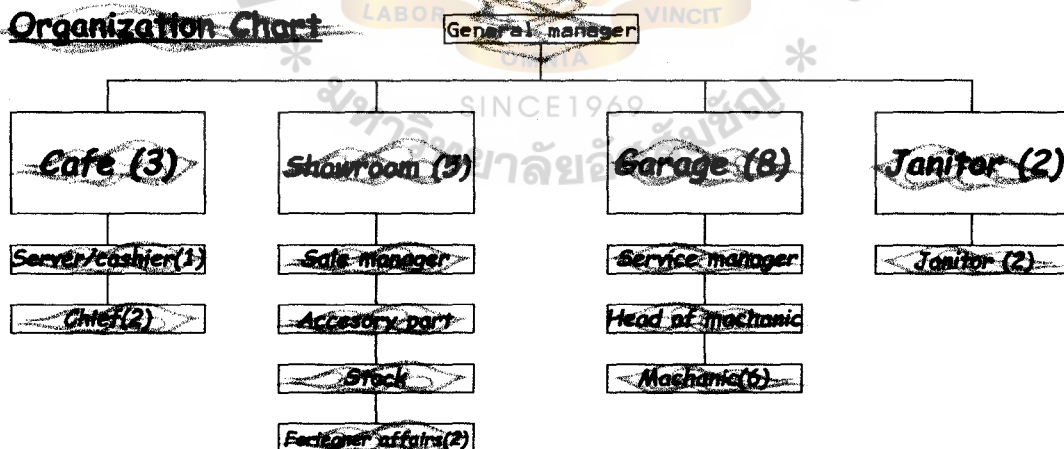


Figure 2.29



## 2.24 Crunch

**Location:** 54 east 13<sup>th</sup> street New York, NY. 10003

**Area:** 120 sq. m



Figure 2.30

The Crunch is a fitness that has their own style and combines with the commercial space that display and sell the product. The main concept is to be a compact fitness as a retail shop that provide the merchandise and service the people in modern living.

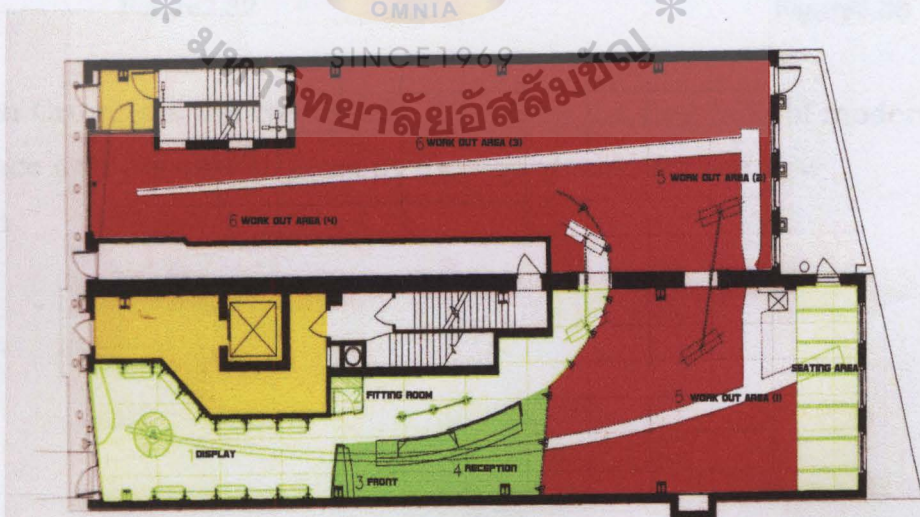


Figure 2.31



## 2.25 VERANDA SPA

In the lay out plan is divide the space into two area are retail shop and fitness area that link by the reception area. And the design of the furniture and interior is the unique of the Crunch that design everything like a piece modern art which attract to the people in city and the teenager for example A custom-designed reception desk, handrail, and metal framework help guide visitor to the awkwardly site stair way. (See figure 2.15) or the exposed-brick walls and industrial style piping lend urban chic to the cardiovascular and strength training area. (See figure 2.16)

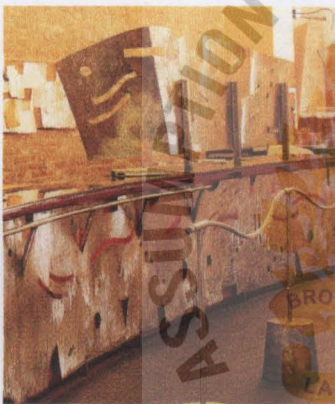


Figure 2.32



Figure 2.33

Then Crunch is the case study that gives the new idea of modern sports space and the way to present the new design for the new generation.



2.25 VERANDA SPA

VERANDA RESORT AND SPA  
MUNG TALAY RD. CHA-AM  
PETCHBURI, THAILAND



Figure 2.34



Figure 2.35

VARANDA SPA 'S concept is HIP&COOL which emphasize on decorated spa in a modern style and suitable for new generation users. By used curve, arch makes this spa look soft and warm. They mixed natural and modern natural such as wood, mosaic, glass and terrazzo combine with lighting design, smell and sound.

- Reception counter area used brown& gold on the wall for point to the pro duct.
- Treatment room has sweet twin bed for massage, lavatory, shower stall and tub.
- On the floor paint with white epoxy made clean and clear.
- Entrance show simply style attract with he copper which make it look luxury and match with wood.
- Waiting area in front of the toilet link with reception area and treatment room design in oval shape.
- Use arch for circulation in front of massage room and has light on the wall.





## 2.26 HAPA SPA

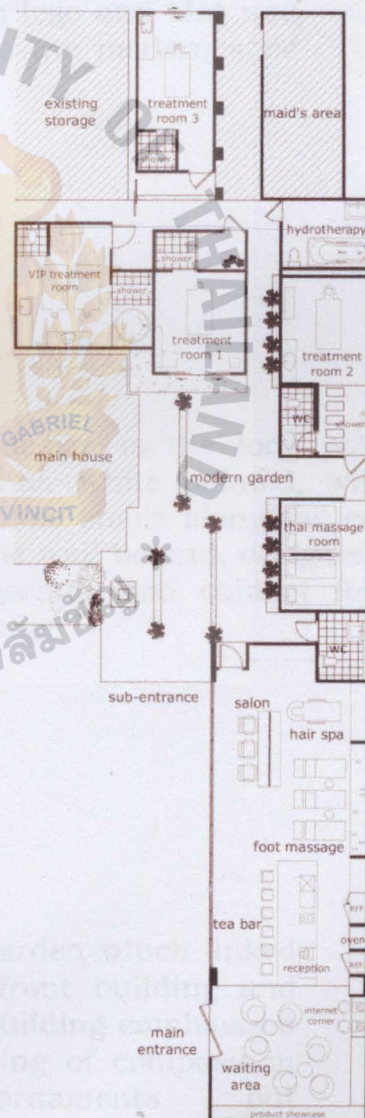


20/4 SUKUMVIT 3 (NORTH NANA ) BANGKOK  
Open everyday 10.00-20.00

Figure 2.36

HAPA Spa is the spa in fusion style that mixed between eastern and western culture together in which provide massage and therapy services along with the top to toe beauty care service by nourishing natural extracted products. Moreover, the tea bar inside provided many kind of tea which have quality certified and world wide known.

HAPA Spa represent new style of spa that focus to recreate the people who exhausted from working. In boundary consist of the modern group of white building, rectangular shape paralleled with parking. Interior space consist of reception, waiting area, tea bar and salon. Next ,the interior modern garden matched with the spa building which is curve space spa by metal sheet just look like a little container which contain many services function such as treatment, Thai massage, oil massage, hydrotherapy. Overall decorating emphasize the private and atmosphere, modern but calm and relax by using color white and grey and violet to fulfilled some part of composition.



**Total 400 m<sup>2</sup>**

Figure 2.37

**PLAN**



### Reason to study.

- It has function similar in program.
- This spa is fusion style mixed between eastern and western culture so I think this spa match to target group.



Figure 2.38

Entrance door to reception is designed in clear glass circle shape to mimic the HAPA spa logo and also well present to the modern style of spa.

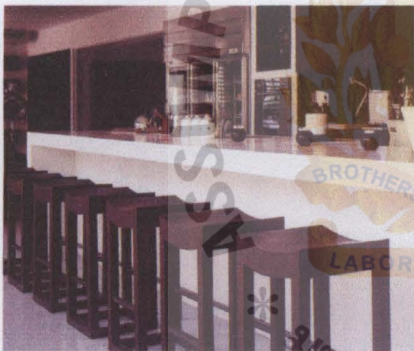


Figure 2.39

Tea bar design is the long polished-rock counter white painted, with the square shape stools along the counter length. The wall behind, designed to be the refrigerator and cabinet for food and beverage.



Figure 2.40

Modern garden which linked between front building and the spa building emphasized the cleaning of composition and ornaments but outstanding shape.





Figure 2.41

Salon is full with the beauty equipments. Providing beauty services as the general salon and surplus the foot massage in this area.



Figure 2.42

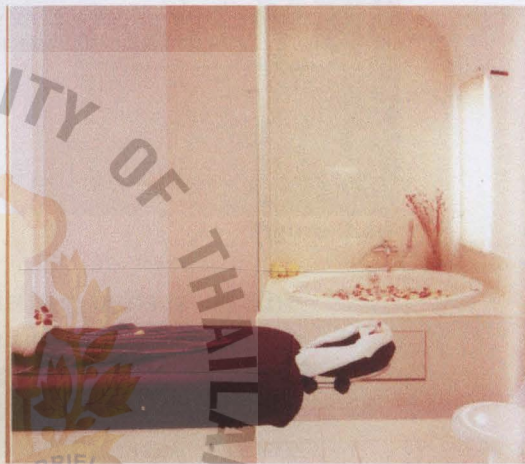


Figure 2.43



Figure 2.44

In treatment room consisted of massage bed, Jacuzzi and bathroom with separated with the unclear glass and fulfilled with the relaxing equipments.

Lighting design is indirect light by hiding in built-in furniture to create softer in treatment room.





Figure 2.45

To create the sense of beauty and fresh to the wall by dried flower.



Figure 2.46



Figure 2.47

Sitting corner in the middle of garden next from the living place. Solving problem and create privacy by iron paint white color battens but not too massive.

To create modern image to spa by using curved-metal sheet to finish exterior wall.

Planning design clearly separated between the front building (public area) And the back building (private area ). The front building functions are reception, waiting area, salon which are the public functions .And another parts, back building consisted of Thai massage room, treatment room and hydrotherapy which require the privacy and calm. But these two parts are linked by modern garden which softly change feeling from public to privacy by its clean look but outstanding shape of objects in garden that is the well mixture between public and privacy.





## Site Analysis.



Figure 3.1



1 PHATTANAKAN 44-46 SUAN LUANG PRAWAT BANGKOK.



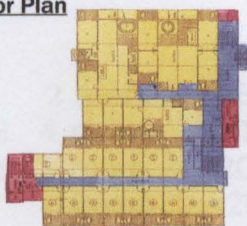
Figure 3.2

Figure 3.3

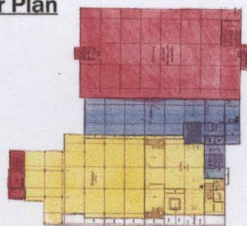




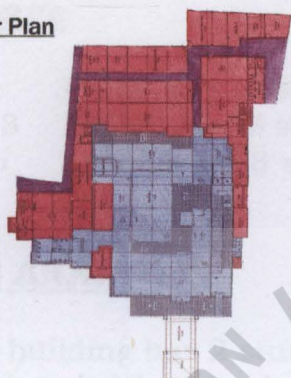
3-5th Floor Plan



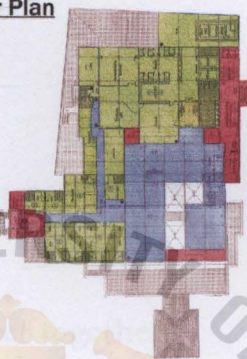
6th Floor Plan



1st Floor Plan



2nd Floor Plan



- BACK OFFICE (1753 m<sup>2</sup>)
- PUBLIC CIRCULATION (2868 m<sup>2</sup>)
- STAFF CIRCULATION (256 m<sup>2</sup>)
- SPA AREA (892.5 m<sup>2</sup>)
- MASSAGE ROOM (3921 m<sup>2</sup>)

Figure 3.4

## AREA

1st Floor Plan	1,912 sq.m
2nd Floor Plan	1,691 sq.m.
3-6th Floor Plan @	1,519 sq.m.

**Total** 9,751 sq.m

## Room

One floor has:

Standard R.	16 rooms	<32 sq.m.>
Suite 2	1 room	<112 sq.m.>
Suite 4	2 rooms	<222 sq.m.>

## Total 3 floors

Standard R.	48 rooms
Suite 2	3 rooms
Suite 4	6 rooms

## **Spa**

Single	2 rooms	<18 sq.m.>
Suite 2	4 rooms	<30 sq.m.>
Double	1 room	<20 sq.m.>
Triple	1 room	<28 sq.m.>

## **Massage**

Single	3 rooms	<11 sq.m.>
Suite 3	1 room	<38 sq.m.>
Group	2 rooms	<18 sq.m.>

## **SITE ANALYSIS**

- This building has 2 structure connect together.
- Interior lighting design is indirect to create soft atmosphere.

Height of the first floor----- 4.00 m.

Height of the second floor----- 3.00 m.

Height of the third floor----- 3.00 m.

Height of the fourth floor----- 3.00 m.

Height of the fifth floor----- 3.00 m.

Height of the roof----- 3.85 m.

**Total height of the building----- 20.85 m.**

### **Strength**

- Site is near target groups.
- Site has large exterior space, it make building outstanding.
- It's convenience to travel out of Bangkok.

### **Weakness**

- This building has less window,bad ventilation.
- It hasn't enough natured light in building.
- Interior space at main hall is uneasy because the height of ceiling is too low.





## **Data synthesis and programming.**

### **4.1 Area requirement.**

From the analysis of other comparison projects the user behavior and the suitable of buildings are composed of the following components:-

- Diagram display of relationship
- Diagram displaying the sequence of relationship and capacity of area.
- Diagram displaying an organization of area in the building.

#### **4.1.1 Area Requirement of Multi purpose Hall**

##### **A. Gallery**

Video Wall 16sq.m x 2 = **32sq.m**

##### **1) Chopper**

- Real Model Display 5.25 x 3.3 = 17.325sq.m/unit  
24 units 17.325sq.m x 24 = 415sq.m
- Board = 5sq.m/unit  
24 units 5sq.m x 24 = 120sq.m
- Display Area/Unit = 17.3+5 = 22.3sq.m/unit
- Video Projector = 9sq.m/unit  
3units 9x3 = 27sq.m

Total 415+120+27 = **562sq.m**

Circulation 30% = **168.6sq.m**

Total area 562+168.6 = **730.6sq.m**

##### **2) Information zone**

###### **Topic**

- Accessories
- Iron work
- Paint
- Engine
- Transmission
- Wheels



- Board 5sq.m/unit
- Computer 2sq.m/unit
- Total Area 7sq.m/unit
- 6 units = (5+2+7)x6 = 42sq.m/unit

Total = 42sq.m  
Circulation 30% = 12.6sq.m

Total area 42+12.6 = 54.6sq.m

**Total area of Gallery 32+730.6+54.6 = 817.2sq.m**

**B. Reception/Lobby = 249.6sq.m**

**C. Retail shop = 110sq.m**

**D. Meeting room = 50sq.m**

**E. Security = 12sq.m**

**F. Telephone = 5sq.m**

**G. WC.**

MWC. = 35sq.m

WWC = 35sq.m

Total area of WC. = 70sq.m

**Total area of Multi purpose Hall 785+250+110+50+12+5+70 = 1,282sq.m**

#### **4.1.2 Area Requirement for Restaurant**

Restaurant user's type:

- 1) Individual
- 2) Guest ( lodge )
- 3) Multi-purpose Hall users
- 4) Motorcycle Group

- Users = 280users
- Dining Area = 1.5sq.m/user
- Dining Area 1.5 x 280 = 420sq.m
- Kitchen Area 40% 420 x 40% = 168sq.m

- Circulation 30%  $420 \times 30\% = 126\text{sq.m}$
- Toilet Area  $= 48\text{sq.m}$

**Total Area of Restaurant  $420+168+126+48 = 762\text{sq.m}$**

#### **4.1.3 Area Requirement for Gust room**

Room's type:

1. Superior ( 60-65 )
2. Deluxe ( 5-10 )
3. Suite ( 10 )

- Superior Area  $8 \times 4 = 32\text{sq.m}$   
65 units  $= 32 \times 65 = 2,080\text{sq.m}$

- Deluxe Area  $8 \times 4 = 32\text{sq.m}$   
10 units  $= 32 \times 10 = 320\text{sq.m}$

- Suite Area  $= 112\text{sq.m}$   
10 units  $= 112 \times 10 = 1,120\text{sq.m}$

**Total  $2,080+320+1,120 = 3,520\text{sq.m}$**

- Circulation 30%  $3,520 \times 30\% = 1,056\text{sq.m}$

**Total area of Guest rooms  $3,520+1,056 = 4,576\text{sq.m}$**

#### **4.1.3 Area Requirement for Fitness & spa**

- Reception area  $7 \times 5 = 35\text{sq.m}$
- Treatment room Area  $4 \times 8 = 32\text{sq.m}$   
3 units  $= 32 \times 2 = 64\text{sq.m}$
- Treatment room Area VIP  $6 \times 6 = 36\text{sq.m}$
- Thai massage room  $5 \times 4 = 20\text{sq.m}$
- Hydrotherapy  $2.5 \times 4 = 10\text{sq.m}$
- Salon  $7 \times 5 = 35\text{sq.m}$
- Fitness  $= 100\text{sq.m}$

**Total area of Fitness & spa  $35+32+64+36+21+10+35+100 = 333\text{sq.m}$**



4.1.4 Area Requirement for Garage

**TABLE OF AREA REQUIREMENT**

Description	Area in (sq.m)
• Multi purpose hall	1,282
Gallery	817
Information zone	55
Reception/Lobby	250
Retail shop	110
Meeting area	50
• Bar & Restaurant	762
• Fitness & spa	333
• Guest room	4,576
Superior	2,080
Deluxe	320
Suite	1,120
• Garage	585
Waiting area	100
Workshop	485
• Janitor	25
• Office	180
Total Area	7,743

Table 1





## RELATIONSHIP DIAGRAM

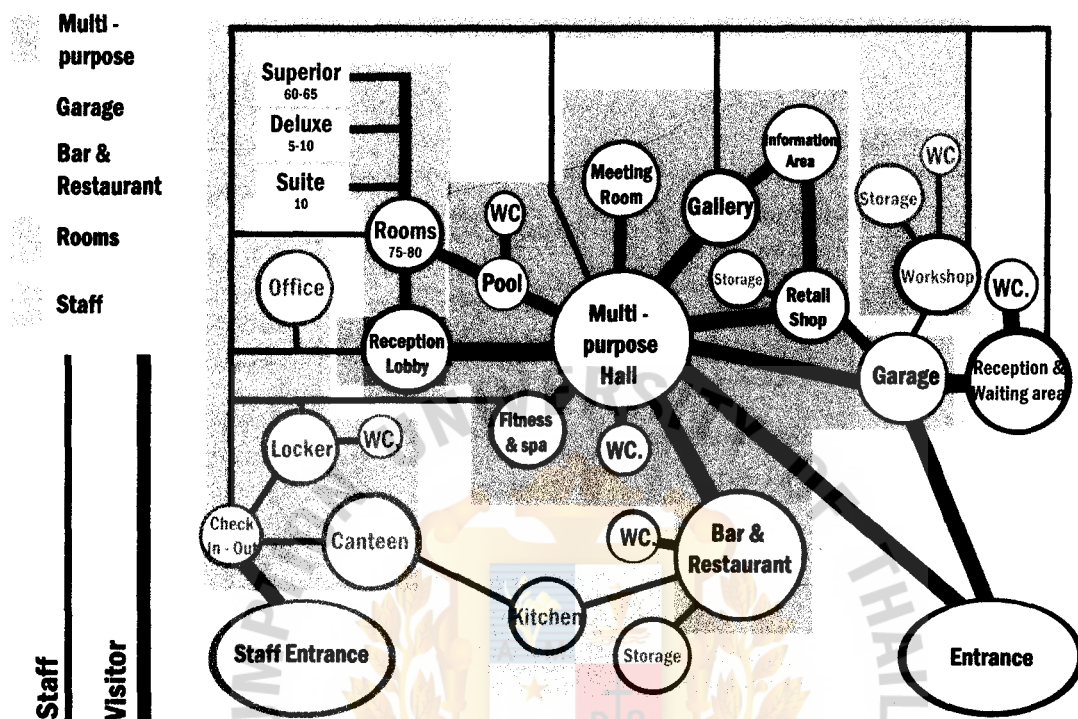


Figure 4.2

**Functional diagram**

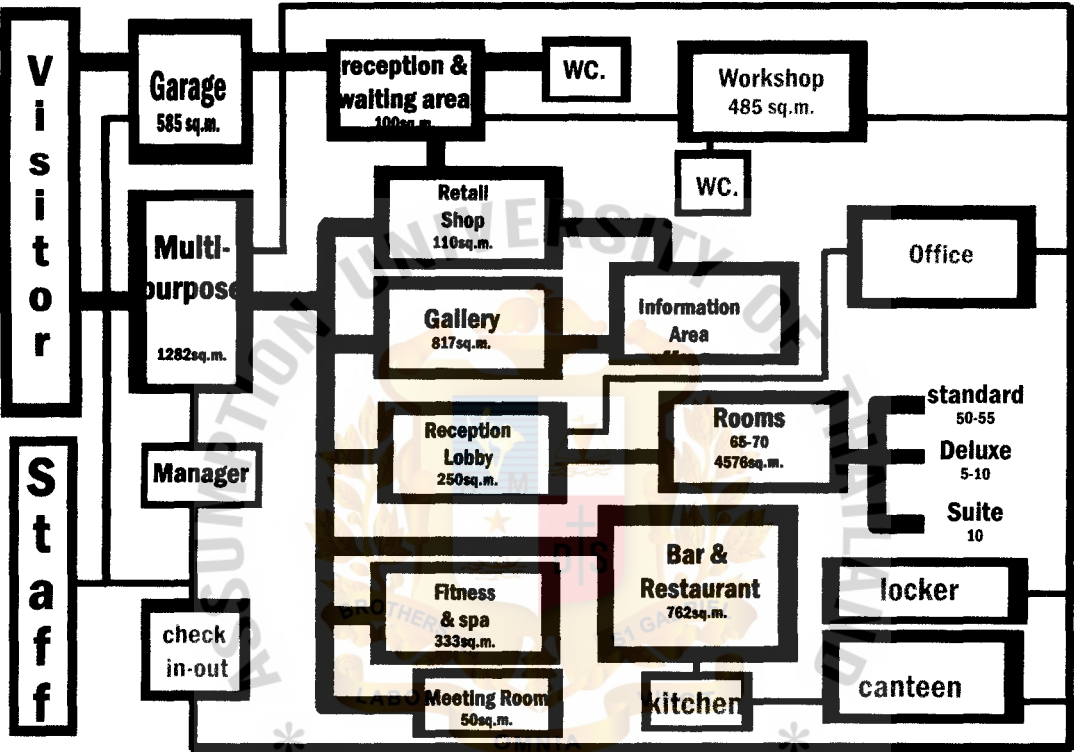


Figure 4.3



**Zoning**

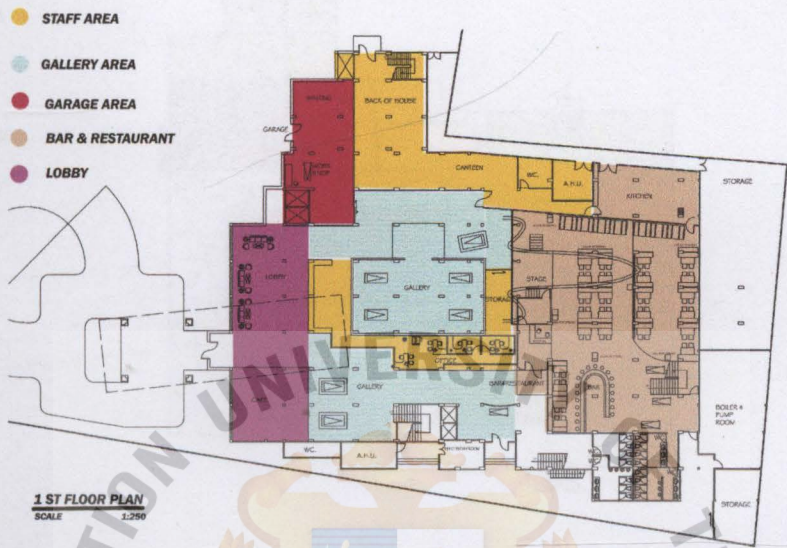


Figure 4.4

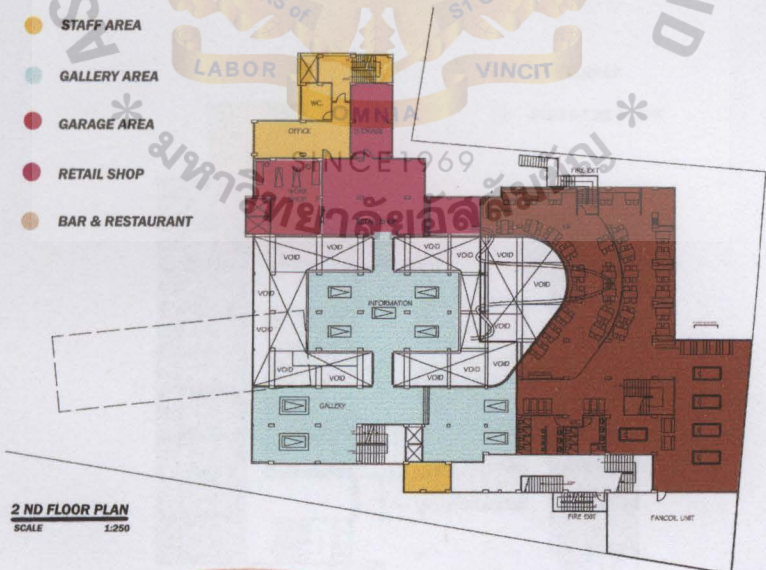
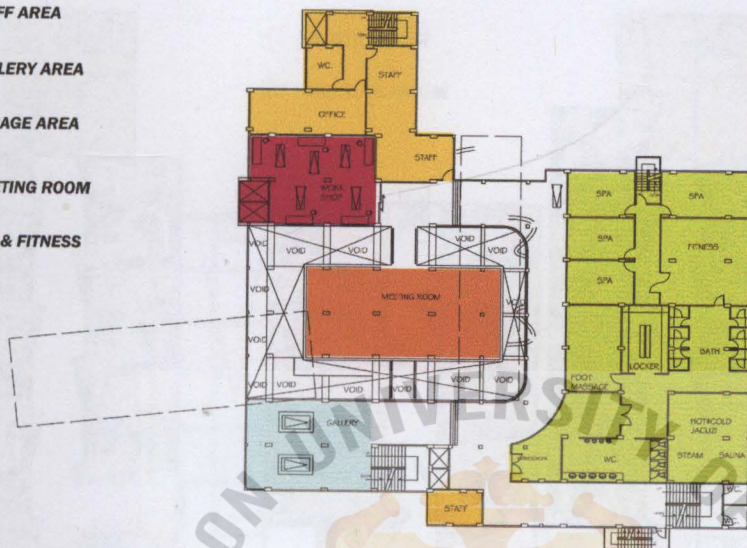


Figure 4.5

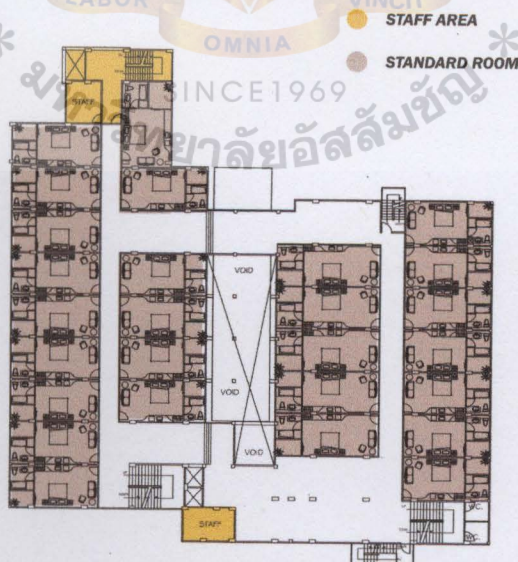


- STAFF AREA
- GALLERY AREA
- GARAGE AREA
- MEETING ROOM
- SPA & FITNESS



**3 RD FLOOR PLAN**  
SCALE 1:250

Figure 4.6



**4 TH FLOOR PLAN**  
SCALE 1:250

27 STANDARD ROOMS

Figure 4.7



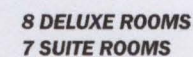


Figure 4.8

## Chapter 5

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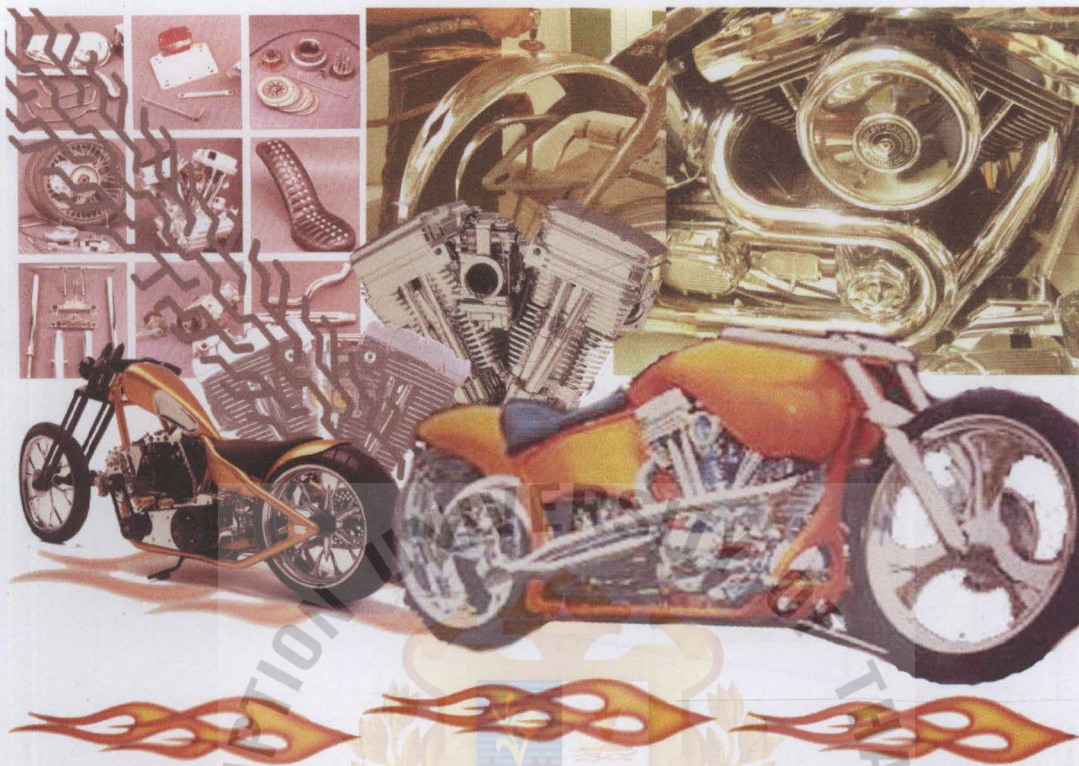


Figure 5.1

## Concept

**Chopper** riders weren't content to stop changing their motorcycle at just the cosmetic level.

## Concept Model

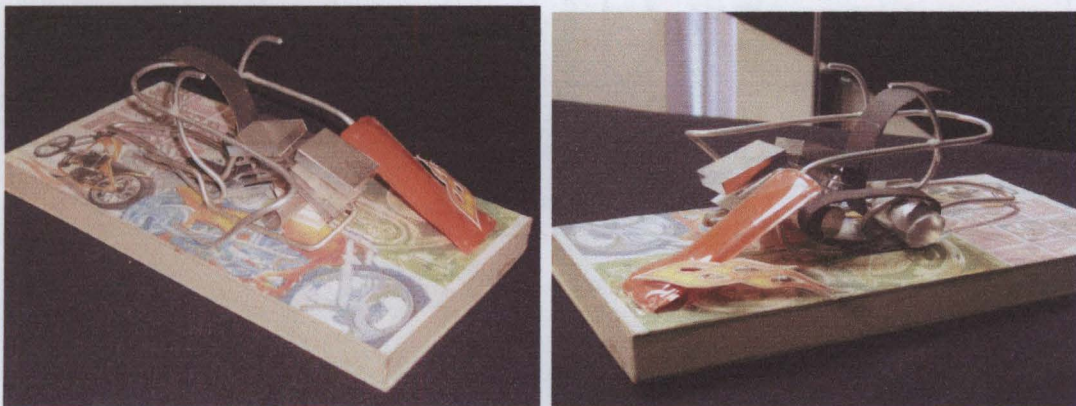
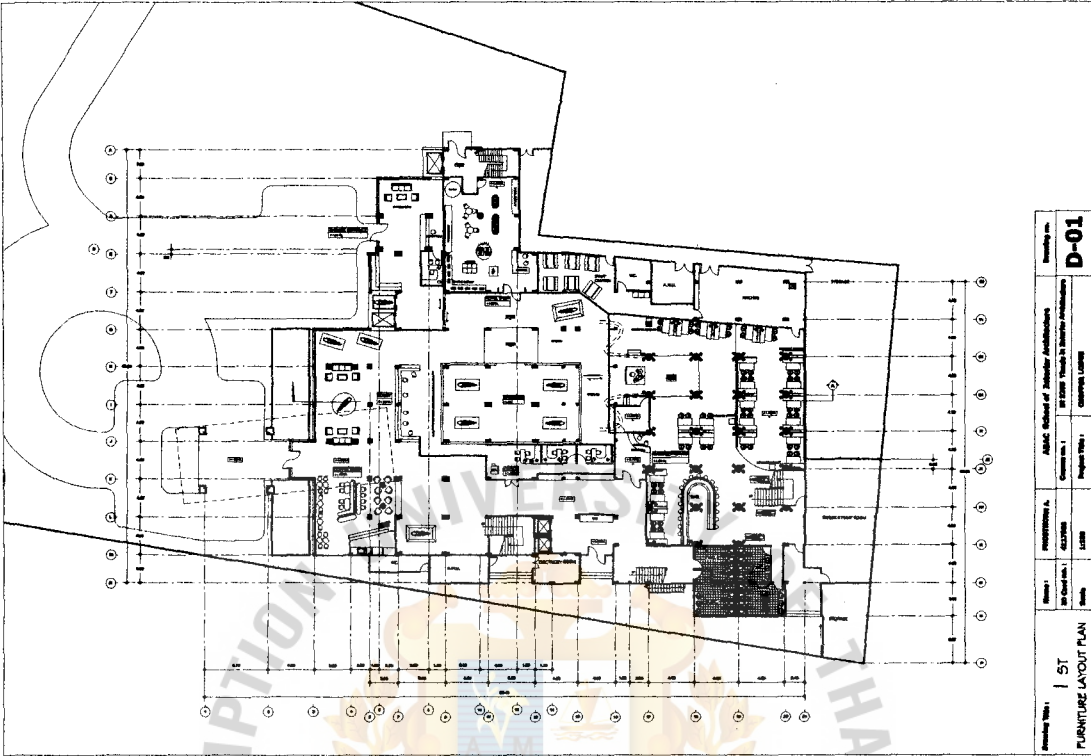
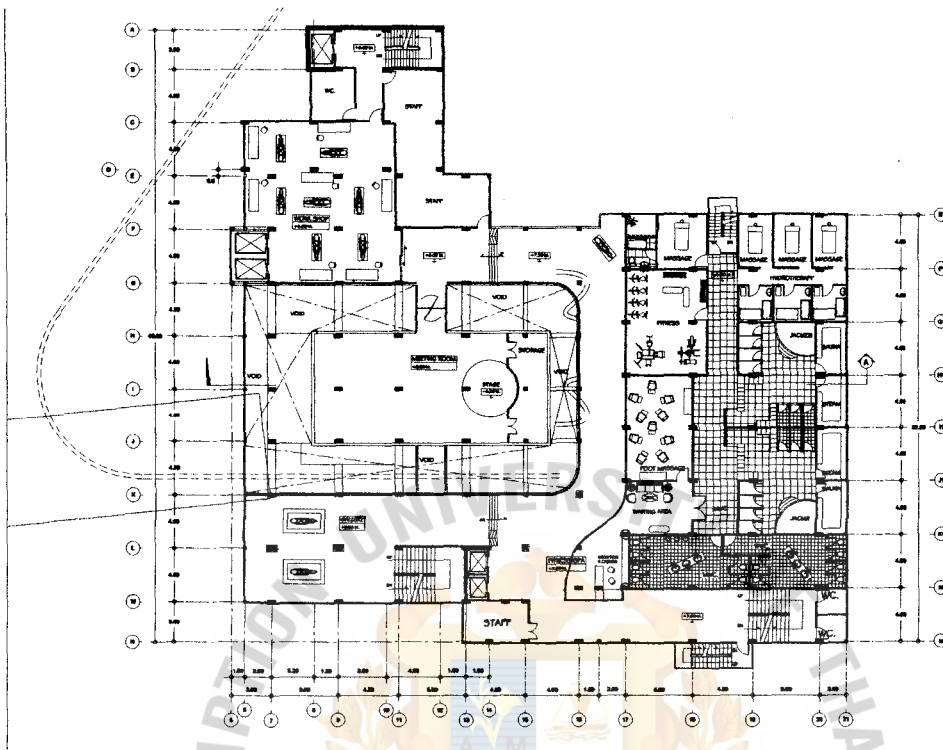


Figure 5.2







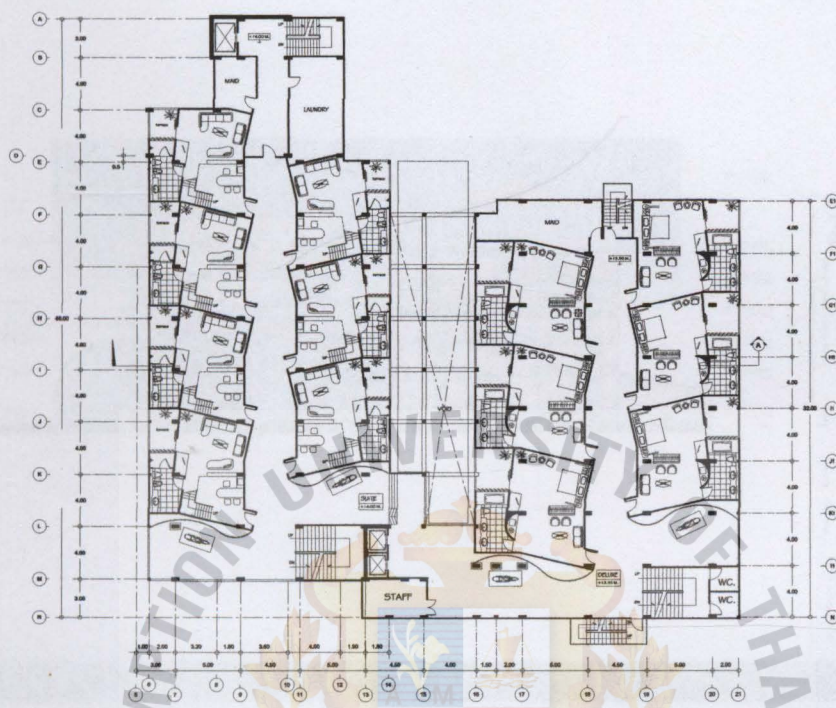
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		3D Case no. 1	4117946	Course no. 1	3RD FLOOR Thesis in Interior Architecture
		Scale	1:100	Project Title 1	CHOPPER LODGE
					D-03

Figure 5.5



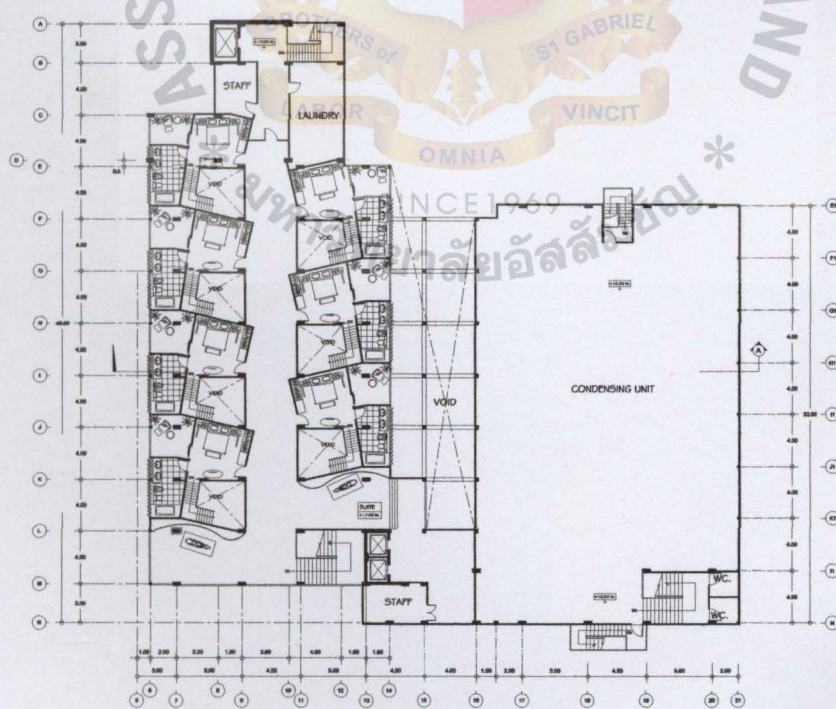
revision Title 1	4 TH	Items 1	PROJECT: 4TH FLOOR	ABAC School of Interior Architecture	Drawing no.
		3D Case no. 1	4117946	Course no. 1	4TH FLOOR Thesis in Interior Architecture
		Scale	1:100	Project Title 1	CHOPPER LODGE
					D-04

Figure5.6



Drawing Title : <b>5 TH</b> FURNITURE LAYOUT PLAN	Name : PHOTHORN A. ID Card no. 1 4137946	ABAC School of Interior Architecture		Drawing no. <b>D-05</b>
		Course no. 1	IN 5205 Thesis in Interior Architecture	
		Scale 1:100	Project Title : CHOPPER LOOGE	

Figure 5.7



Drawing Title : <b>6 TH</b> FURNITURE LAYOUT PLAN	Name : PHOTHORN A. ID Card no. 1 4137946	ABAC School of Interior Architecture		Drawing no. <b>D-06</b>
		Course no. 1	IN 5205 Thesis in Interior Architecture	
		Scale 1:100	Project Title : CHOPPER LOOGE	

Figure 5.8









**Lobby Hall**

Figure 5.10



**Waiting Area Garage**

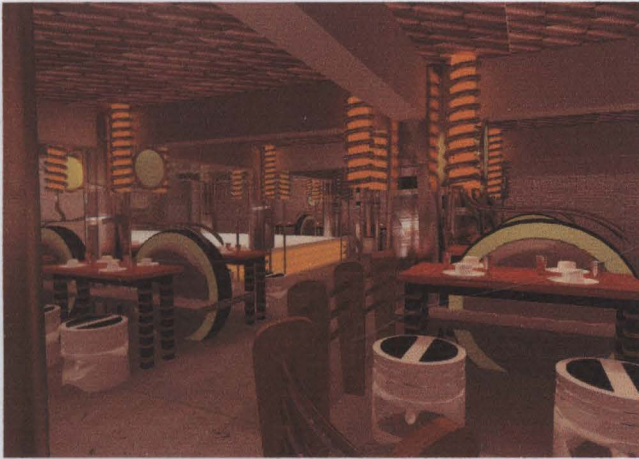
Figure 5.11



**Piston Bar and Restaurant**

Figure 5.12





**Piston Bar and Restaurant**

Figure 5.13



**100 HD Gallery**

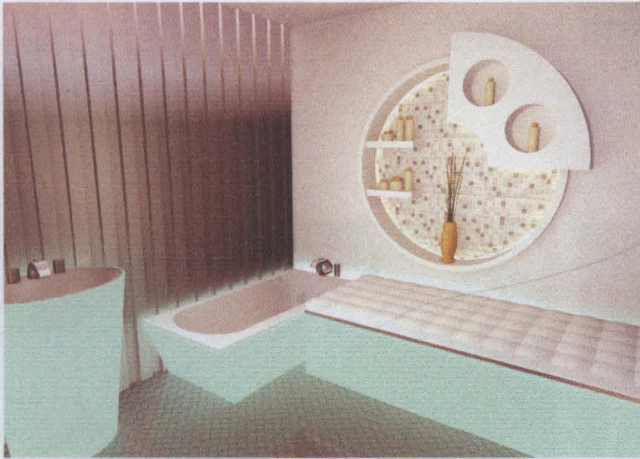
Figure 5.14



**Massage Room**

Figure 5.15





**Hydrotherapy**

Figure 5.16



**Standard Room**

Figure 5.17



**Suite**

Figure 5.18



## Model space







Figure 5.19





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