GEN>X ACADEMY

PANUPAN THONGPAN

A THESIS SUBMITTED IN PARTIAL
FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF

BACHELOR OF ARCHITECTURE

DEPARTMENT OF INTERIOR ARCHITECTURE, SCHOOL OF ARCHITECTURE
ASSUMPTION UNIVERSITY
2004

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Panupan Thongpan

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Department of Interior Architecture, School of Architecture

ASSUMPTION UNIVERSITY

2004

Thesis Approval:

Date Pisit Viriyavadhana, DEAN

Date Vatcharat Samakkamai, Chair person

Date Ornlaaw Thanapolkiat, Thesis Supervisor

GEN>X ACADEMY

Panupan Thongpan

47 March 2004

The beginning of the GEN - X ACADEMY had collected human resources from many departments, careers. Both of front and behind the scene in the entertainment business, no matter, radio field, D.J, musician, artist, singer, creative, newsman, reporter, etc. And the aspiration of GEN –X ACADEMY INSTITUTE had to developed the entertainment career field to be the most worth by training and giving the knowledge to the youth who interested in the programing. This is an advantage and best chance for the youth to learn more the truthful of this career field all 5 years.

All the GEN – X ACADEMY had produced the human resources more than 1,000 persons. They were the new generations who already can go to the entertainment career and in these groups they had the opportunity to build their own dreams come true and achievement in their lives. For examples; the mater of the ceremonies, Creative Producer, music reporter, musicians, etc. that to be the new generation of Thai Entertainment Field.

Moreover to produce the human resouces, GEN – X ACADEMY tried to develop, adjust and always add some programing to increase the intensity of the subject to be equal to abroad. All of the professors, classroom, equipments and accessory of education, studying format of the trainer until to all the staffs team would get the training course to give service and get more comfortable during the training.

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Date (Pisit Viriyavadhana), DEAN

_____

Date (Vatcharat Samakkamai), Chair person

_____

Date (Ornlaaw Thanapolkiat), Thesis Supervisor

_____

Acknowledgements

The author wished to thanks

- My family : Pa' , Mae-noi , J'Nook , J'Nan , H'Note
- My Friend (Staff :-)) : Nor , Oak , Arjsuk , Op , Kate , Rush , Joi , Bim , Chuy , Mong , Ja , Mee , Gop , A , Bas , Junior ← I don't know her name
- N' Prae
- A.Nart , A.Tum , A. A , All A.
- Gen>X Academy
- This is Click Radio
- Moon Star Studio
- Fifty-Fifth Plaza

...Thank you...

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Subject : Thesis in Interior Architecture: Table of Contents

Abstract

Chapter 1 : Introduction

Project Background

The beginning of the GEN - X ACADEMY had collected human resources from many departments, careers. Both of front and behind the scene in the entertainment business, no matter, radio field, D.J, musician, artist, singer, creative, newsman, reporter, etc. And the aspiration of GEN –X ACADEMY INSTITUTE had to developed the entertainment career field to be the most worth by training and giving the knowledge to the youth who interested in the programing. This is an advantage and best chance for the youth to learn more the truthful of this career field all 5 years.

All the GEN – X ACADEMY had produced the human resources more than 1,000 persons. They were the new generations who already can go to the entertainment career and in these groups they had the opportunity to build their own dreams come true and achievement in their lives. For examples; the mater of the ceremonies, Creative Producer, music reporter, musicians, etc. that to be the new generation of Thai Entertainment Field.

Moreover to produce the human resouces, GEN – X ACADEMY tried to develop, adjust and always add some programing to increase the intensity of the subject to be equal to abroad. All of the professors, classroom, equipments and accessory of education, studying format of the trainer until to all the staffs team would get the training course to give service and get more comfortable during the training.

To include, there is the encouragement and the helpful from the many organization. No matter, TV station, radio station, producer in every section until to the Government Organization and the Private Organization that give an agreement by send their own professionals to participate in training course with the GEN –X ACADEMY for along time.

Nowadays, GEN – X lack of ability to produce the graduated students who will have both with knowledge and capacity to work in their careers. That is ***the workplace*** for all the students and teachers.

So this is an inspiration to solve the problem by I will add more function in my project, GEN – X CENTER. Especially, in the part of practicing that involve with all of the Institute's programming. So this part will make more chance for both of teachers and students of the Institute to use the workplace for produce more products to go in the market place under the brand of GEN –X CENTER. And the products of Gen – X center, thus to;

- TV programming of GEN –X
- Radio programming of GEN – X
- The movies
- Artist / singer / musicians
- Activities that will happen for encourage the knowledge of entertainment.

Principle and Reason

The road to the entertainment business in Thailand, no matter, to be the DJ, reporter, musicians, music writer, DJ Club, rimixer, producer. All of these become the career that has distinctive role because of they response to communicate with other people.

Especially, these groups of people must have more knowledge, capable, ethics and the attitude. If these people have low quality in communication, unperceive in responsibility, lack of ethics, so it will be affected to the society directly.

Objective

To produce the new generation human resources or entertainment field development, to give the knowledge, true understanding. Although some of that department will has the subject in the University before but in the theoretical it will be only one part that brings to use with the practical. Furthermore, who want to go in to the entertainment career need to understand and hard training by transmits their experience and the process of practicing from the professional that were accepted from the society.

Reason of studying topic

- To be standard in praticing capable skill of entertainment career, community and mulitmedia.
- To be the center of activity to encourage the knowledge about entertainment business.
- To be the location of researching information and knowleadge that involve with the entertainment field.
- To motivate youth to use time to get most benefit.

Problem and Solving

Because the programming of GEN – X emphasize in the real work of practicing. But, in fact, the classroom has only simulated from the real workplace by separate from any categories of programming. Actually, any programming can join to work with together and there is more efficiency and more professional. So I want to add more real workplace to able to produce the real product on the globalization standard.

Objective of study

- To be the place that students can do their activities in the real workplace.
- To be the place for researching the knowledge about the Technology and the background of the entertainment field.
- To be a part of Thai entertainment business in development to be equal to the international.
- To be the place that full of equipment and technology and to be the center of media production by adding more function to support working.

Scope of research

- Education system
  - Music & Technology
    - Song Writing
    - Arranging
    - Advanced Arranging
    - Computer Music
    - Sound Design
    - Audio Post Production
    - Dance Music Production
    - Studio Sound Engineer
    - Live Sound Engineer
    - Mastering
    - Music Business
  - Mass Communication
    - Pro Radio DJ.
    - Pro Club DJ.
    - TV. Reporter
    - TV. Host & VJ.
    - Voice Dubbing
    - Movie Translator
    - Speech
  - Multi Media
    - Video Post Production
  - Short Course
    - Singing
    - Logic Audio
    - Reason
    - Cubase
- Organization system
- Functional system and technology
- User behavior

Scope of project

- Size of classroom
  - Computer room
  - Lecture room
  - Audi-vision room
  - Theater / Multi Function
- Practice room
  - Sound recording room
  - Studio
    - TV. Program studio
    - Studio for Cinema
  - Broadcast Studio
- Public area
  - Library
  - Reception

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- Waiting area
- Activity area
  - Stage
- Staff area
  - Staff rest area
  - Stock
  - Office
  - Meeting room
  - Pantry

Definition of term

GEN – X ACADEMY – The Entertainment Educated Institution Of Thailand

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Chapter 2 : Research

2.1 Literature Review

NEW METRIC HAND BOOK PLANING AND DESIGN DATA
(BOOK>>Written by Patricia Tutt , David Adler)

Television studio
- studio types
- Planning
- Services
- Acoustics
- Statutory requirements
- Bibliography

Theatre
- Relationships between functions
- Layout of theater
- Planning
- Checklists of facilities and equipment
- Sightlines
- Auditorium seating
- Stage planning and equipment
- Dressing rooms
- Exits
- Services
- Production spaces
- Bibliography

Cinema
- Types of cinema
- Auditorium design
- Projection suite
- Ancillary accommodation
- Sound reproduction
- Screen and curtain design
- Legislation
- Bibliography

Libraries
- Design checklist
- Area allowances
- Bookshelf capacity
- Book issue counters
- Microform storage
- Layout and critical dimensions
- Bibliography

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TIME-SEVER STANDARDS FOR INTERIOR DESIGN AND SPACE PLANNING

(BOOK>>Written by JOSEPH DE CHIARA , JULIUS PANERO , MARTIN ZELNIK)

Library/Study

- Anthropometric Data
- Library shelving details
- Built-in bookshelves
- Steel and wood bookcase and storage
- Rolling ladder

Restaurants

- Types and sizes of table arrangements
- Tables: design criteria
- Types and sizes of banquette arrangements
- Dining room seating
- Hostess station
- Banquette/Bench seating details
- Lunch counters: Design criteria
- Miscellaneous counter details
- Waiter station/host counter details

Audiovisual systems

- Planning guideline summary
- Typical projection room layout
- Sightlines and building codes

สถาบันพัฒนาบุคลากรสายอาชีพบันเทิง

(Document>>Written by Gen-X Academy)

- About curriculum in Gen-X Academy

http://www.genxacademy.com/website/home.html

- About history of Gen-X
- News
- Main program
- Short course
- Activities

COLOR AND LIGHT

(BOOK>>Written by Frank H. Mahnke , Rudolf H. Mahnke)

- Psychophysiological effects
- Characterristics and effects of major hues
- Color fundamentals
- Vision and light
- Color for exteriors
- Offices and computer workstations
- School

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จิตวิทยาการสอนดนตรี

(BOOK>>Written by ณรุทธ์ สุทธจิตต์)

ทฤษฎีการเรียนรู้ และปัจจัยที่สัมพันธ์กับการเรียนรู้ดนตรี

- ทฤษฎีการเรียนรู้กับการสอนดนตรี
- ปัจจัยที่สัมพันธ์กับการเรียนรู้

  ตอนที่1 ความพร้อม กิจกรรม การจูงใจ ความสนใจและเจตคติ
- ปัจจัยที่สัมพันธ์กับการเรียนรู้

  ตอนที่ 2 ความจำ การเสริมแรง เชาว์ปัญญา ความถนัด และสภาพแวดล้อม

2.2 Case Study

Case study I : **Capilano College**

cated :

Figure2.1.1Capilano College map

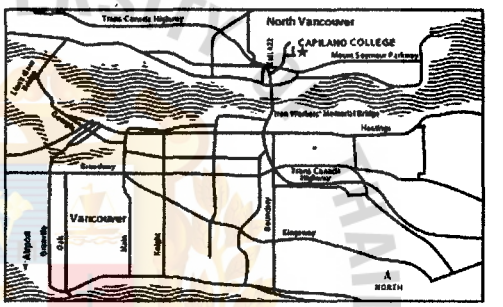

Figure2.1.2 Capilano College map2

Figure2.1.3 view1

Figure2.1.4 view2

- This college have a department that relate to my work

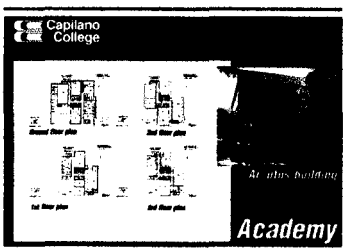

Figure2.1.5 Plan01

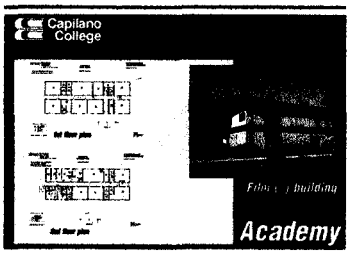

Figure2.1.6 Plan02

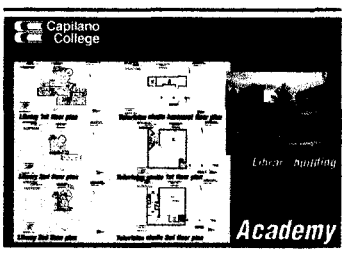

Figure2.1.7 Plan03

จิตวิทยาการสอนดนตรี

(BOOK>>Written by ณรุทธ์ สุทธจิตต์)

ทฤษฎีการเรียนรู้ และปัจจัยที่สัมพันธ์กับการเรียนรู้ดนตรี

- ทฤษฎีการเรียนรู้กับการสอนดนตรี
- ปัจจัยที่สัมพันธ์กับการเรียนรู้

  ตอนที่1 ความพร้อม กิจกรรม การจูงใจ ความสนใจและเจตคติ
- ปัจจัยที่สัมพันธ์กับการเรียนรู้

  ตอนที่ 2 ความจำ การเสริมแรง เชาว์ปัญญา ความถนัด และสภาพแวดล้อม

2.2 Case Study

Case study I : Capilano College

cated :

Figure2.1.1Capilano College map

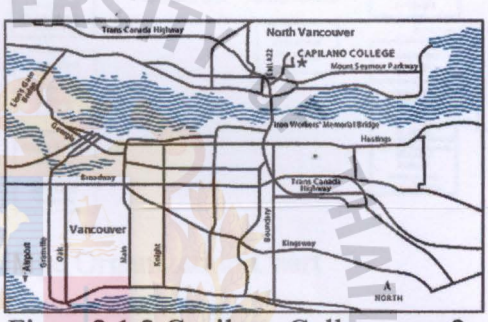

Figure2.1.2 Capilano College map2

Figure2.1.3 view1

Figure2.1.4 view2

- This college have a department that relate to my work

Figure2.1.5 Plan01

Figure2.1.6 Plan02

Figure2.1.7 Plan03

- the organization chart of this college use to compare with the old one to make the large scale

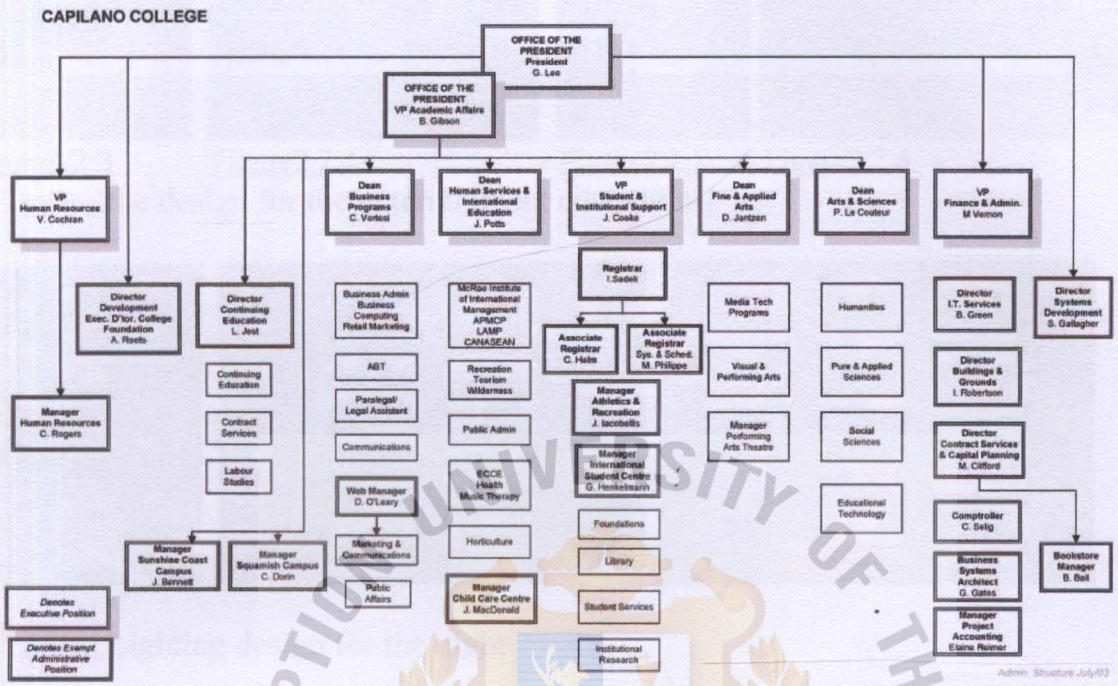

Figure2.1.8 Capilano College Organization Chart

Case study II : **The University of Waikato**

Located :

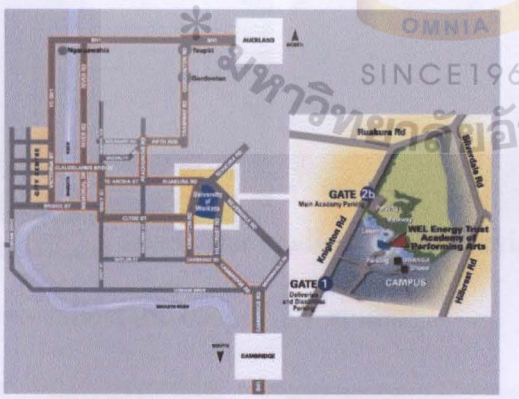

Figure2.2.1 U of Waikato map

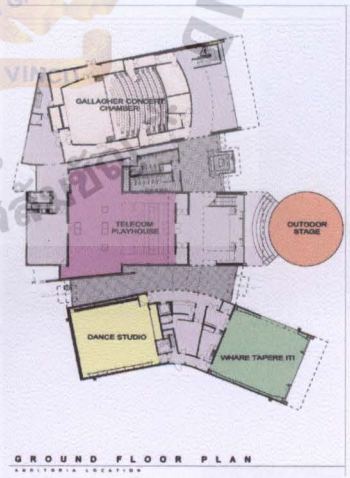

Figure2.2.2 U of Waikato plan

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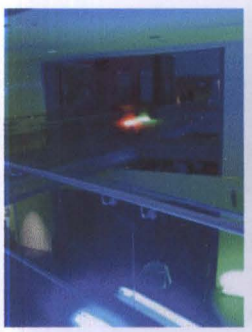
Figure2.2.3 Figure2.2.4 Figure2.2.5 Figure2.2.6

- the design for the entertainment education



- Lighting design for the night

Case study III : **Moon star studio**

Located :

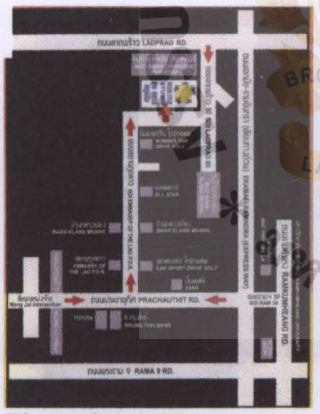
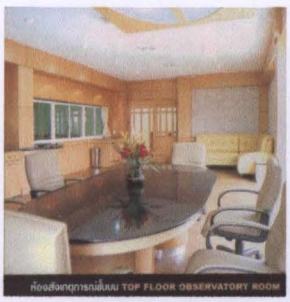


Figure2.3.1 Moon star studio map & exterior

- Use to collect the data of TV studio



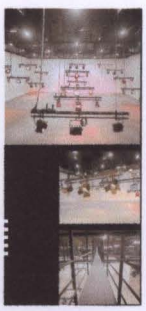


Figure2.3.2 Observer Figure2.3.3 room & electric system

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Case study IV : Click Radio

Located :

Figure2.4.1 Click Radio map Figure2.4.2 Cilck Radio exterior

- to know function of radio station

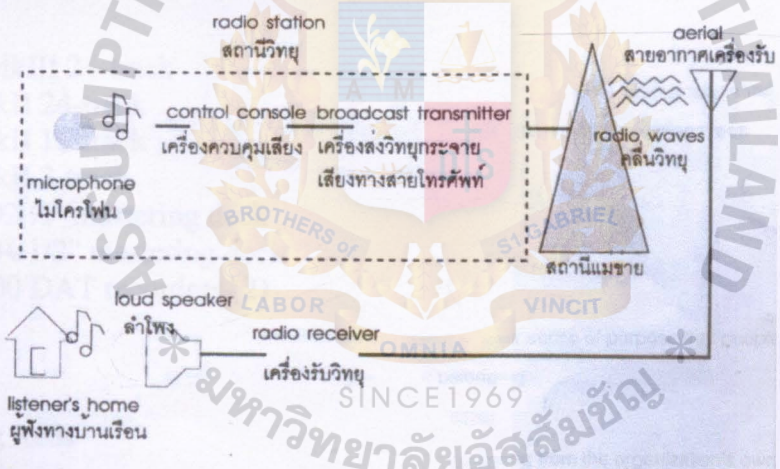

Figure2.4.3 Radio Station System

Case study V : Mushroom Studio

Located : 1234W.6th Ave Vancouver, BC. V6H-1A5 Canada

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Figure2.5.1 Mushroom Studio plan

Figure2.5.2 Mushroom Studio Exterior

- to know about function of sound studio
- list of equipment in mushroom sound studio

Console

Neve 8068 MkII. An incredibly versatile vintage console with 52-channels, and 130 inputs in mix. It's all 'Class A' analog, discreet...

Tape Machines

Studer: A-800 MkIII 24-track
Studer: A-80 MkII 24-track
Studer: A-80 MkII 16-track
Studer: A-80 MkII 2-track
Ampex: ATR-102 ½" mastering deck
Ampex: ATR-104 1/2" mastering deck
Sony: PCM R-500 DAT recorders (2)
CD-R burner

Monitors

Altec: 604E "Big Reds"
Yamaha: NS-10's
B&W: DM-12's
Auratone: "Super Sound Cubes"
Or, BYO. (Bring your own special speakers.)

Outboard Mic pre's

Universal Audio: tube pre's from United Recorders (30)
Telefunken: V-76 tube mic pre amps (2)
Telefunken: V-72 tube mic pre amps (5)
Fairchild: 650 tube mic pre amps (2)

Outboard Equalizers

Universal Audio: vintage tube EQ's (18)
Pultec: EQP1-A
Pultec: MEQ-5 (2)

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API: 550 (7)
API: 560 (4)
Manley: Massive Passive
GML: 8200
Langevin: vintage graphics (3)
Lang: PEQ-2 (2)

Compressors/Limiters
Fairchild: 660 (mono)
Neve: 2254A (2)
Neve: 2264 (2)
RCA: BA-6A tube limiters (3)
Teletronix: LA-2A tube original
Teletronix/Urei: LA-3A (2)
Universal Audio: 175B tube limiter
Universal Audio: 176 tube limiter
Universal Audio: 1176LN (w/stereo link)(2)
EAR: 660 tube limiters (w/stereo link)(2)
Telefunken: U73b tube limiters (2)
SSL: G384 stereo quad compressor
DBX: 160 (2)
Gates: STA-LEVEL tube limiter
Collins: 26-W tube limiter
Allison Research: Gain Brain (2)
Altec: 436A/436B/438A tube limiters

Reverbs/Delays/Effects
EMT: 251 (R2D2) digital reverb
EMT: 240 "Gold Foil" plate reverb
Reverb Chambers: 2 large acoustic chambers.
Lexicon: 224 4.4 digital reverb
Lexicon: 93 "Prime Time" digital effects
Lexicon: PCM-42 digital delay
Eventide: H3000D/SE digital effects
Eventide: H910 digital effects
Klark/Teknik: DN-780 digital reverb
Antares: ATR-1 auto-tune (2)
DBX: "Boom Box" sub-harmonic synthesizers (3)

Yamaha: SPX 900 (2)**Yamaha**: SPX 90
UREI: "Cooper Time Cube" analog delay
Maestro: Echoplex tape delay, original 1950's tube version
Roland: "Space Echo" analog tape delay
MXR: Auto Flangers (2)

Microphones
Neumann: U-47 tube (3)
Neumann: U-87 (5)
Neumann: KM-84 tube (2)

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Schoepps/Telefunken: 221b tube (2)
AKG: C-12 tube (2)
AKG: C-12A tube
AKG: C-414B-ULS (2)
AKG: C-61
AKG: D-12E
AKG: D-24E (2)
AKG: D-30
AKG: D-202E
AKG: D-224E
Sennheiser: MD-421U (5)
Coles: 4038 ribbon mics (2)
RCA: 44BX ribbon mics (2)
RCA: 10001 orchestral ribbon mics (2)
RCA: 77DX ribbon mic
EV: V-2 ribbon mics (2)
EV: RE-15
EV: RE-20 (2)
EV: 671BL
EV: 635A (4)
Altec: "Salt Shakers" (2)
Sony: C-37A
Sony: C-17B
Sony: C-57
Beyer: MC-713 (2)
B&K: 4007 (2)
MILAB: CL-4
MILAB: DC-73
MILAB: F-69
MILAB: PB-31
MILAB: VM-41
Shure: SM-7
Shure: SM-57 (8)
Shure: SM-58 (3)
Shure: SM-58 Beta (2)
Shure: "Green Bullet"
Fairchild: AU-7A (2)

Gates & Filters
Allison Research: Kepex noise gates (5)
Drawmer Gates (2)
DBX: 904 noise gates (2)
DBX: 902 de-esser
RSD: Custom VCA/VCF noise gates/filters (10)
Roger Mayer: RM80X noise gates (3)
Universal Audio: 550A high & low-pass filters (2)
Langevin: Low-pass filters (3)
Langevin: high-pass filters (3)
Orban Parasound: 516EC de-esser (3 channel)

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Instruments/amps

Yamaha: C-7, 7ft grand piano
Fuehr & Stemmer: Upright tack piano
Ludwig: 1970 "silver sparkle" drumset (full)
Marshall: 1960 4 X 12 guitar speaker cab.
Ampeg: 1959 B-15N "Portaflex" bass amp
Traynor: Bass Mate amplifier

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Chapter 3 : Project Facts

3.1 Site Analysis

Name : Fifty-fifth Plaza

Location : Thong lo soi 2

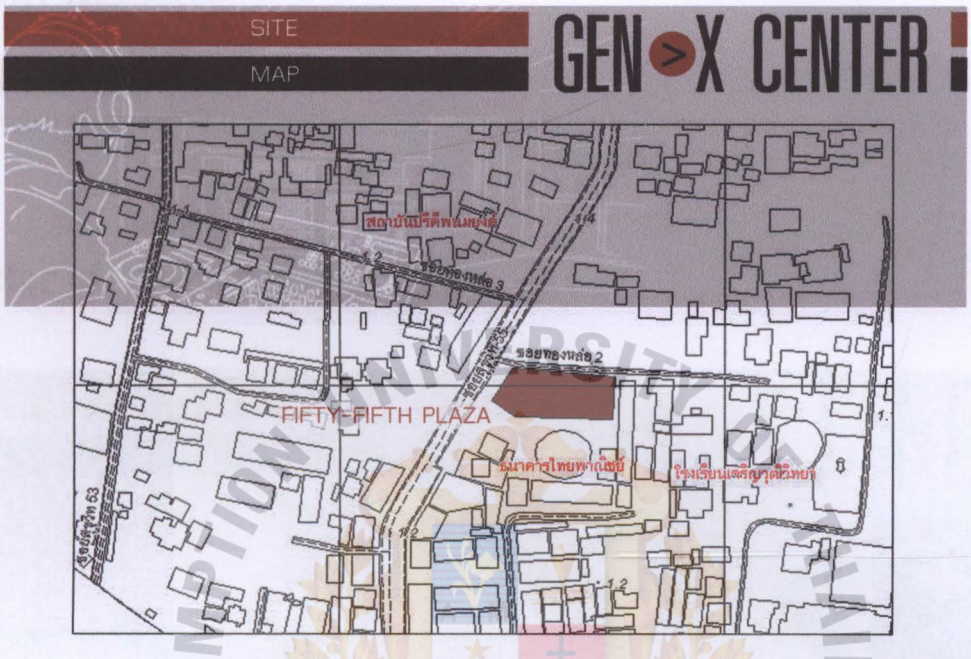

Figure3.1 Fifty-Fifth Plaza Site-Map

SIET BOUNDARY

NORTH --- Thong Lo soi 2
EAST --- Topic James (Thai) Co.
WEST --- Jalernwut Vitaya School
SOUTH --- Fifty-Fifth condominium

IMPORTANT PLACE AROUND BUILDING

- Siam commercial bank
- Bangkok Sky Train
- Art exhibition

Figure3.2 Around Building

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ACCESSIBILITY

-Bus
-Bangkok Sky Train : Thong Lo station
-Express Way

APPROACH:

- main entrance from Thong lo road
- sub entrance from soi Thong lo 2

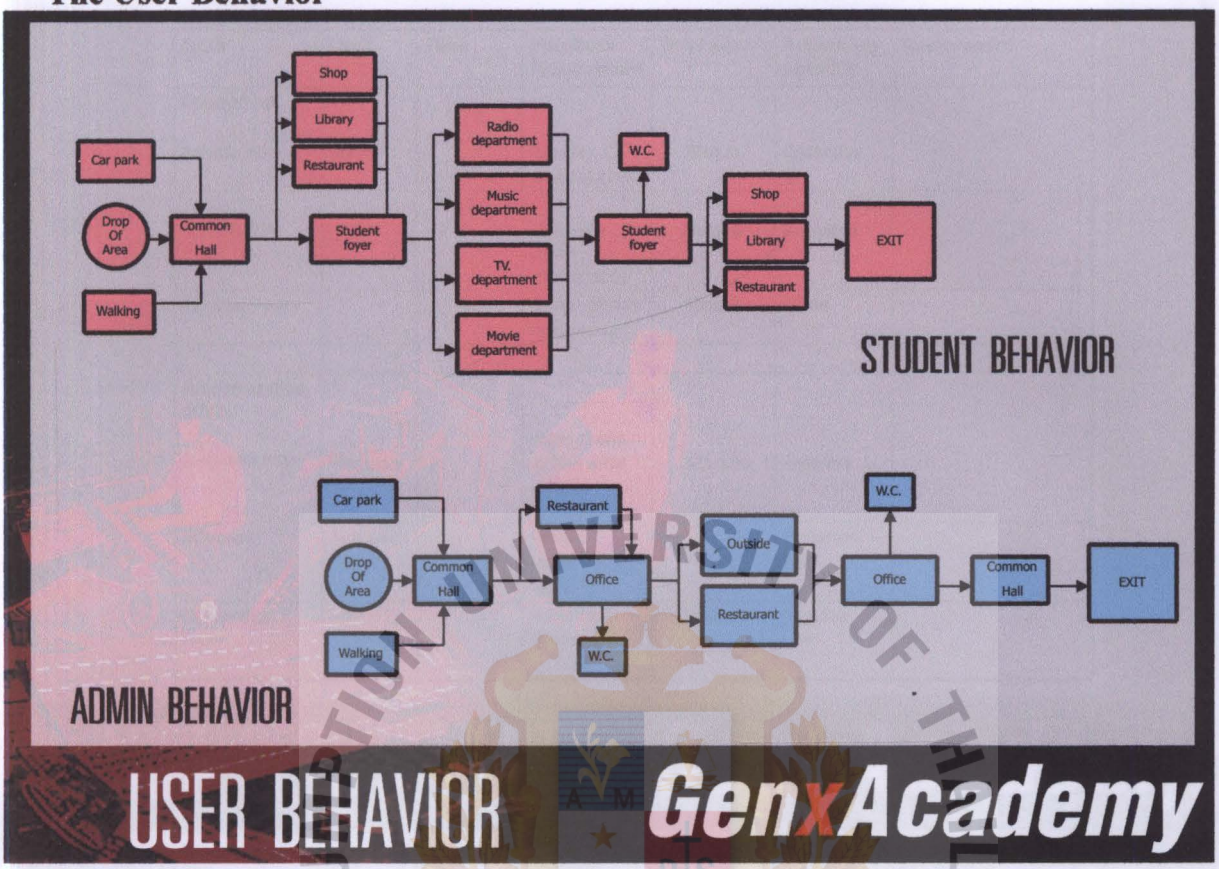
character of mainbuilding

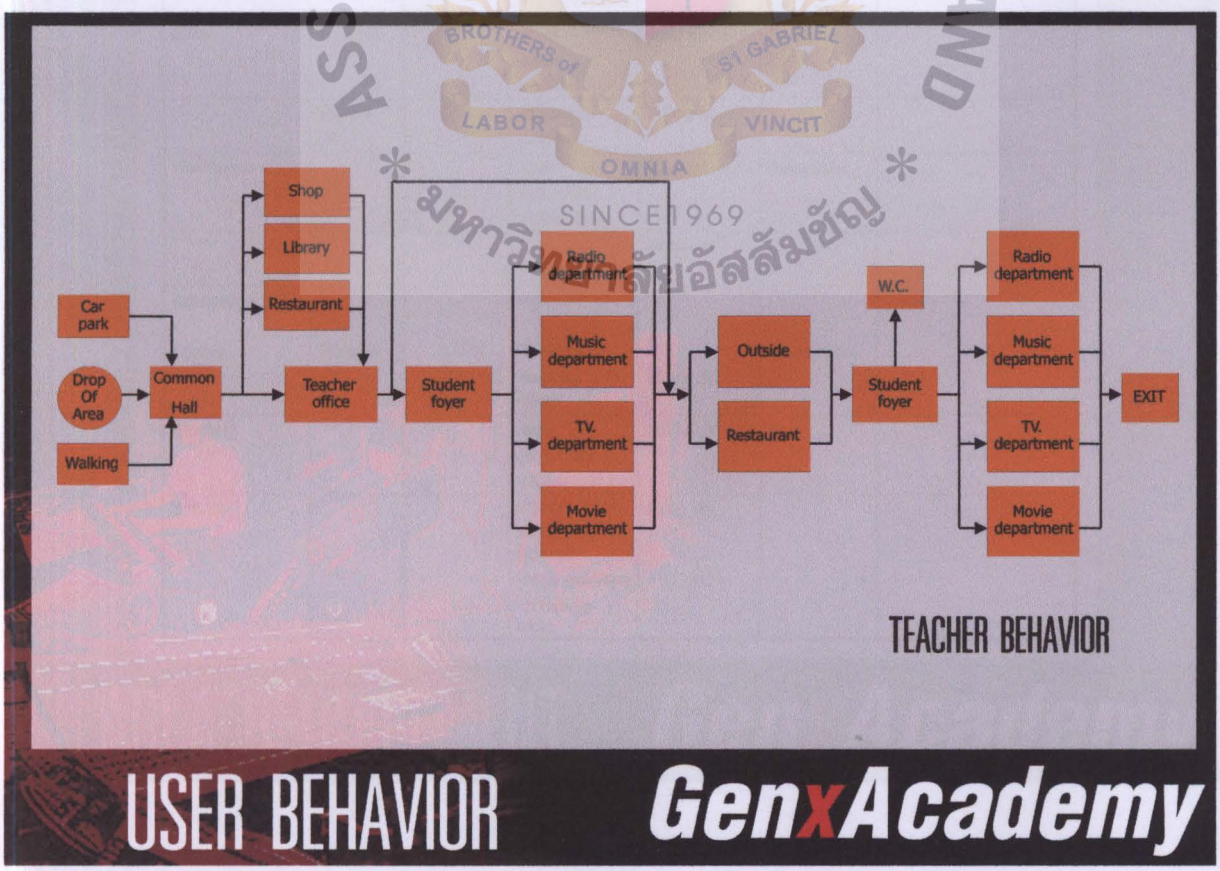
Figure3.3 Character of mainbuilding

this building have area 7000 sq.m.
1st floor heigh 5 m/ area 1950 sq.m.
2nd floor heigh 3 m/ area 1800 sq.m.
3rd floor heigh 3 m/ area 1670 sq.m.
4th floor heigh 3 m/ area 1220 sq.m.

Chapter 4 : Data Synthesis and Programming

The User Behavior





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Area requirement

Area	User	Time	Furniture requirement	Total area	Adjacency notation	Assignment
Common hall						
Security check	Staff (1)		-counter -chair of staff	20sq.m.	Reception	
Waiting area			-sofa-arm chairs -coffee table	80sq.m.	Exhibition	
Exhibition area			-board display -information	50sq.m	Office	
Administration office						
President room	President		-table-chairs -coffee table -sofa & armchair	32 sq.m	assistant	
Assistant	Assistant		-table -chair -sofa		President room	
Conference room	Staff (12)		-table-chair -projector -cabinet	32sq.m	President room	

AREA REQUIREMENT GenxAcademy

Area	User	Time	Furniture requirement	Total area	Adjacency notation	Assignment
Office	Staff(20)		-table -chair -cabinet	60sq.m.	Common hall	
	Teacher (40)		-table-chair -cabinet	120sq.m.		
Waiting area			-sofa -arm chair -coffee table	40sq.m.	Reception	
				284sq.m.		
Education area						
Library	Student (75)		-table-chair -cabinet -stack	150sq.m.	Video room	
Reading			-sofa -arm chair -table	165sq.m.		
Service			-counter-table -chair-stock & cabinet -copy machine -computer table	41sq.m.		

AREA REQUIREMENT GenxAcademy

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Area	User	Time	Furniture requirement	Total area	Adjacency notation	Assignment
Music department technical room				48sq.m.		
Class room	Student (15)		-table -chair	2.5x15 =37.5sq.m.		
				85.5sq.m.		
Television department Techinical room				60sq.m.		
Class room	Student (15)		-table -chair	2.5x15 =37.5sq.m.		
				97.5sq.m.		
Radio department Technical room	Dj		-Mixer -Music player	8 sq.m.		

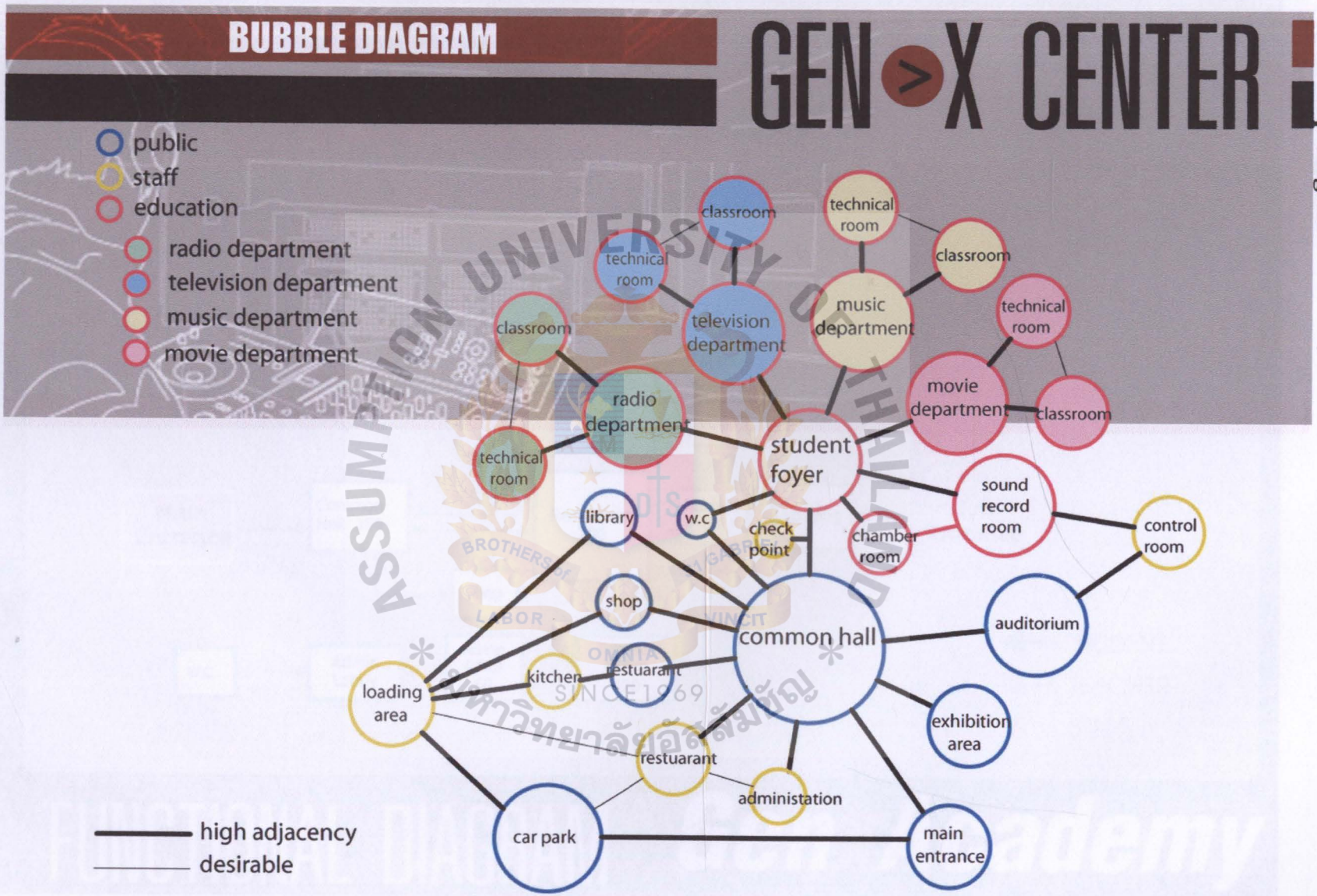
AREA REQUIREMENT GenxAcademy

Area	User	Time	Furniture requirement	Total area	Adjacency notation	Assignment
Radio department Technical room	MCR		-table -chair -computer	3x4=12sq.m.		
Class room	Student (15)		-table -chair	2.5x15 =37.5 sq.m.		
				73.5 sq.m.		
Movie Department Techinical room				60 sq.m.		
Class room	Student (15)		-table -chair	2.5x15 =37.5 sq.m.		
				97.5 sq.m.		
Restaurant	100 seats		-counter -table -chairs	200 sq.m.		
Kitchen				60 sq.m.		
				260 sq.m.		

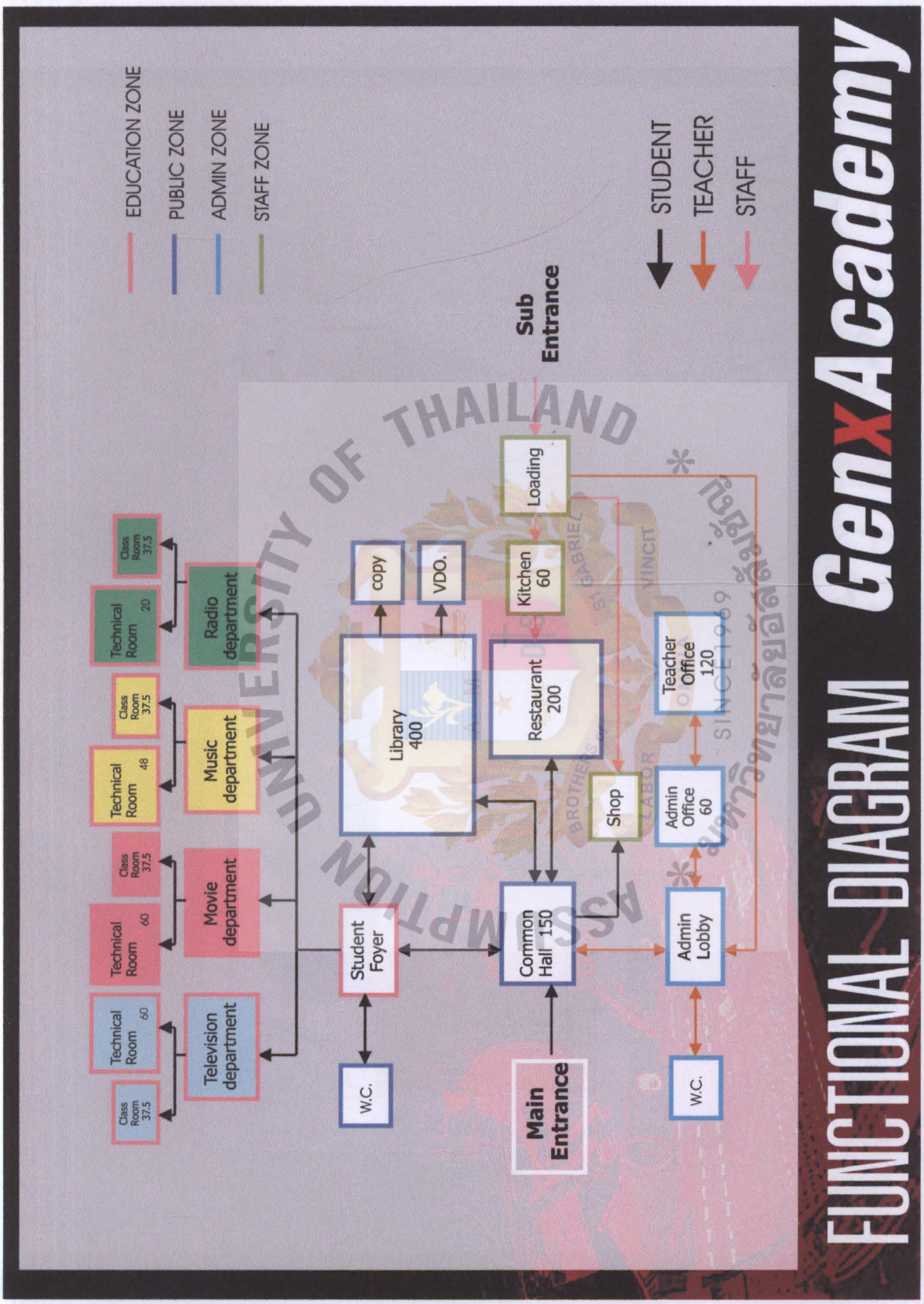
AREA REQUIREMENT GenxAcademy

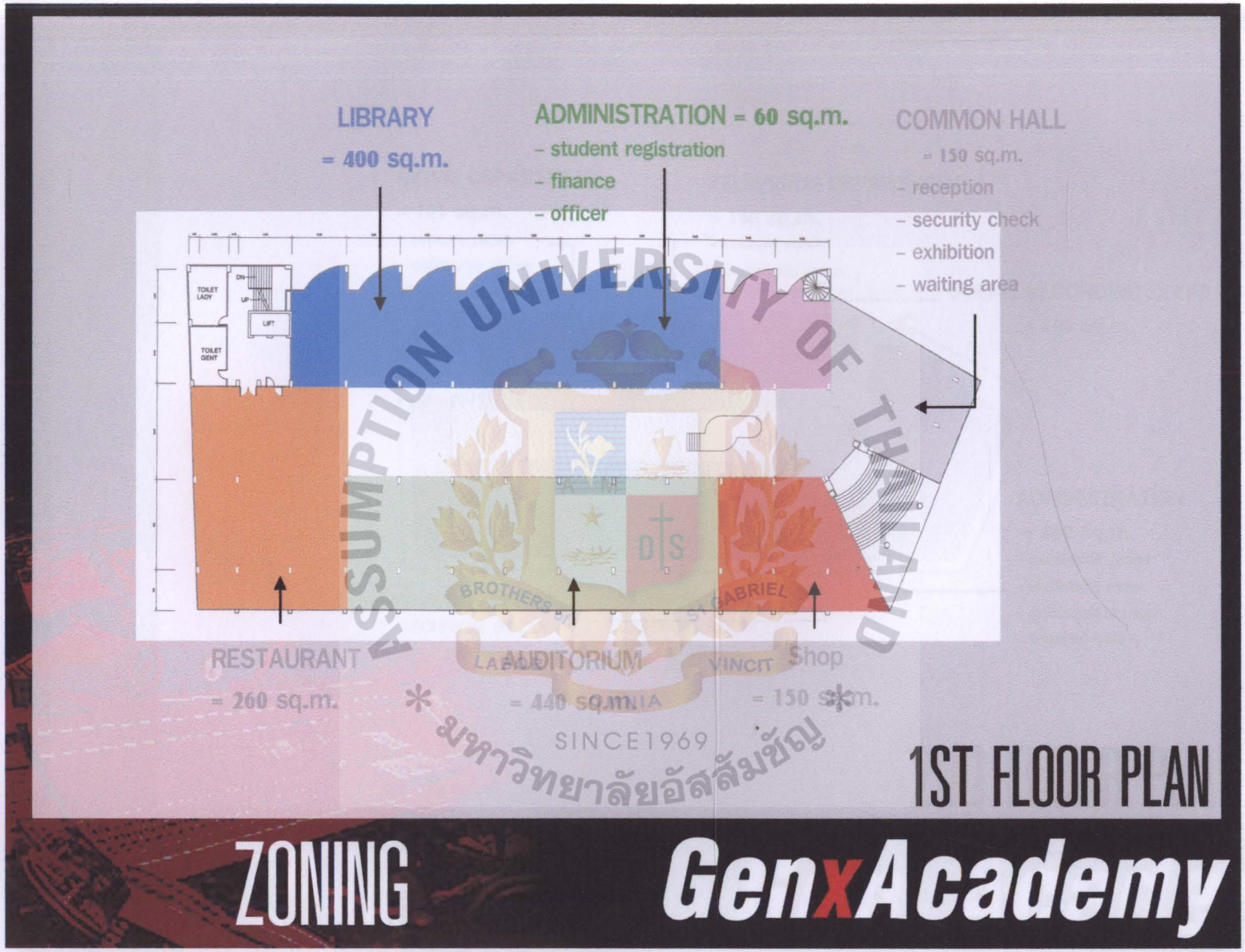
BUBBLE DIAGRAM

GEN X CENTER



Functional diagram





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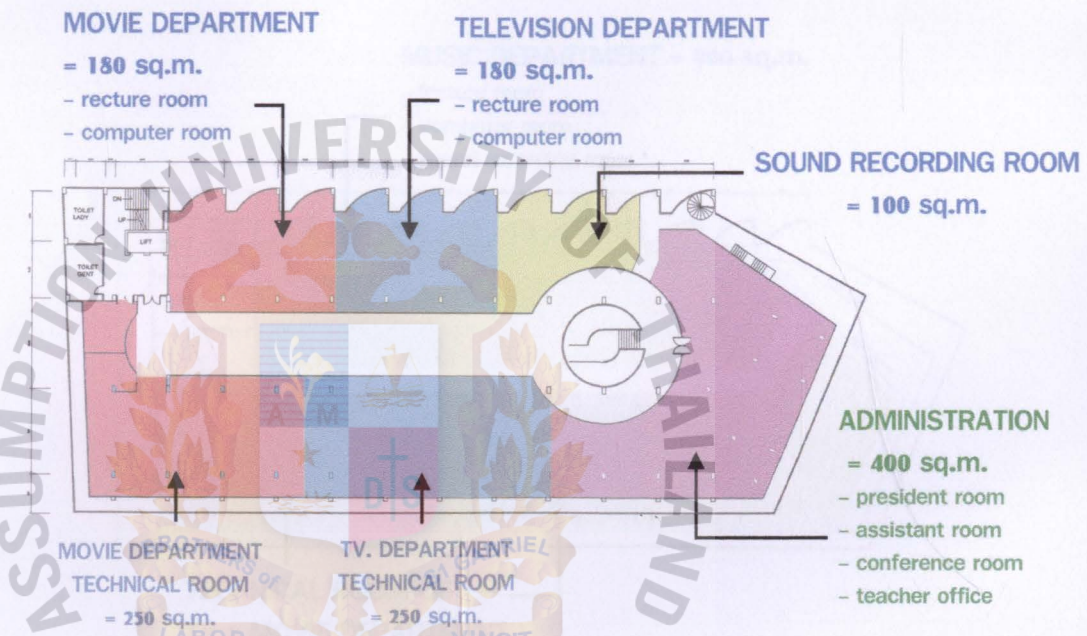

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2ND FLOOR PLAN

ZONING

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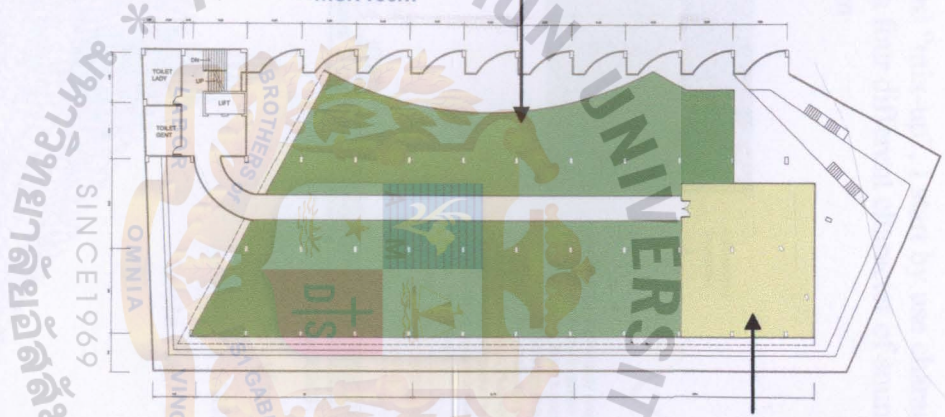
MUSIC DEPARTMENT = 900 sq.m.
– lecture room
– computer room
– sound recording room
TECHNICAL ROOM OF
TV & MOVIE DEPARTMENT
3RD FLOOR PLAN
ZONING
GenxAcademy

RADIO DEPARTMENT

= 1000 sq.m.

- Dj room
- MCR room



SOUND RECORDING ROOM

=190 sq.m.

4TH FLOOR PLAN

ZONING

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Chapter 5 : Conclusion

5.1 Concept

my concept is about the word "mix-up", I start by use character of sound wave to make a form of mix-up by chosen a four different character of sound wave that is : Acoustic Guitar , Electric Guitar , Bass , Drum

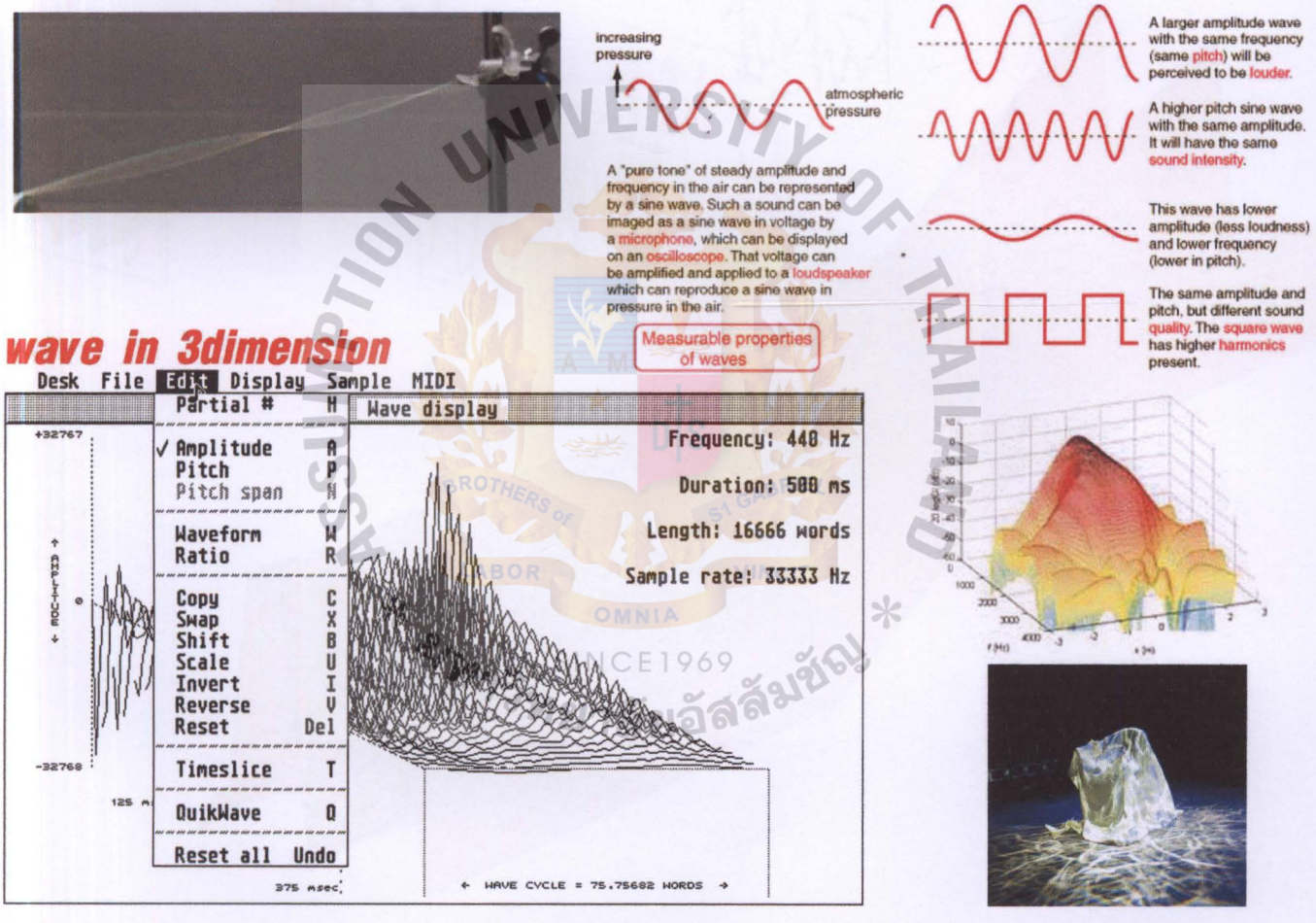

Figure5.1.1 Concept

Conceptual Model

Figure5.1.2 Conceptual Model

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5.2 Lay-out Plan

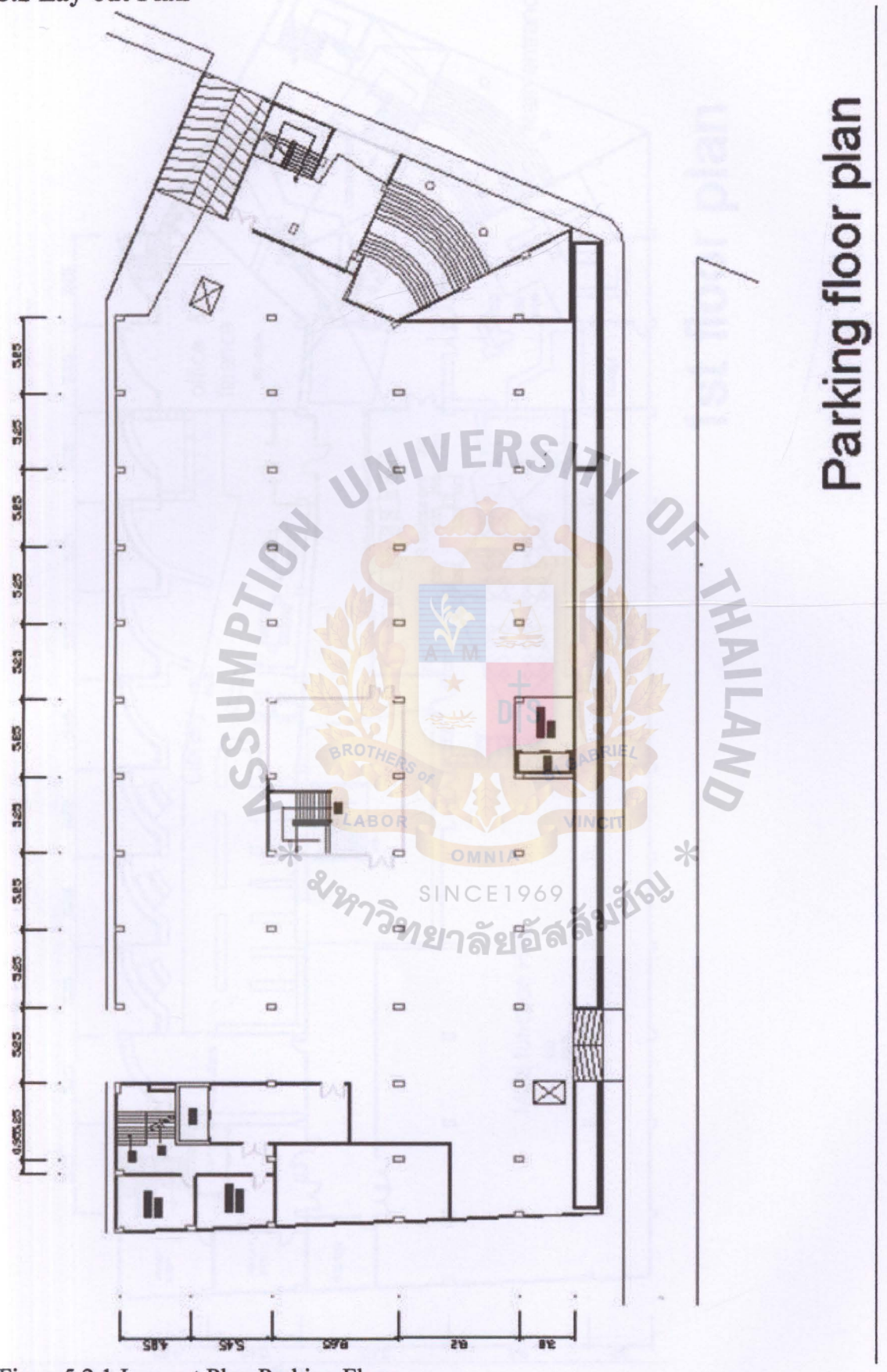

Figure5.2.1 Lay-out Plan Parking Floor

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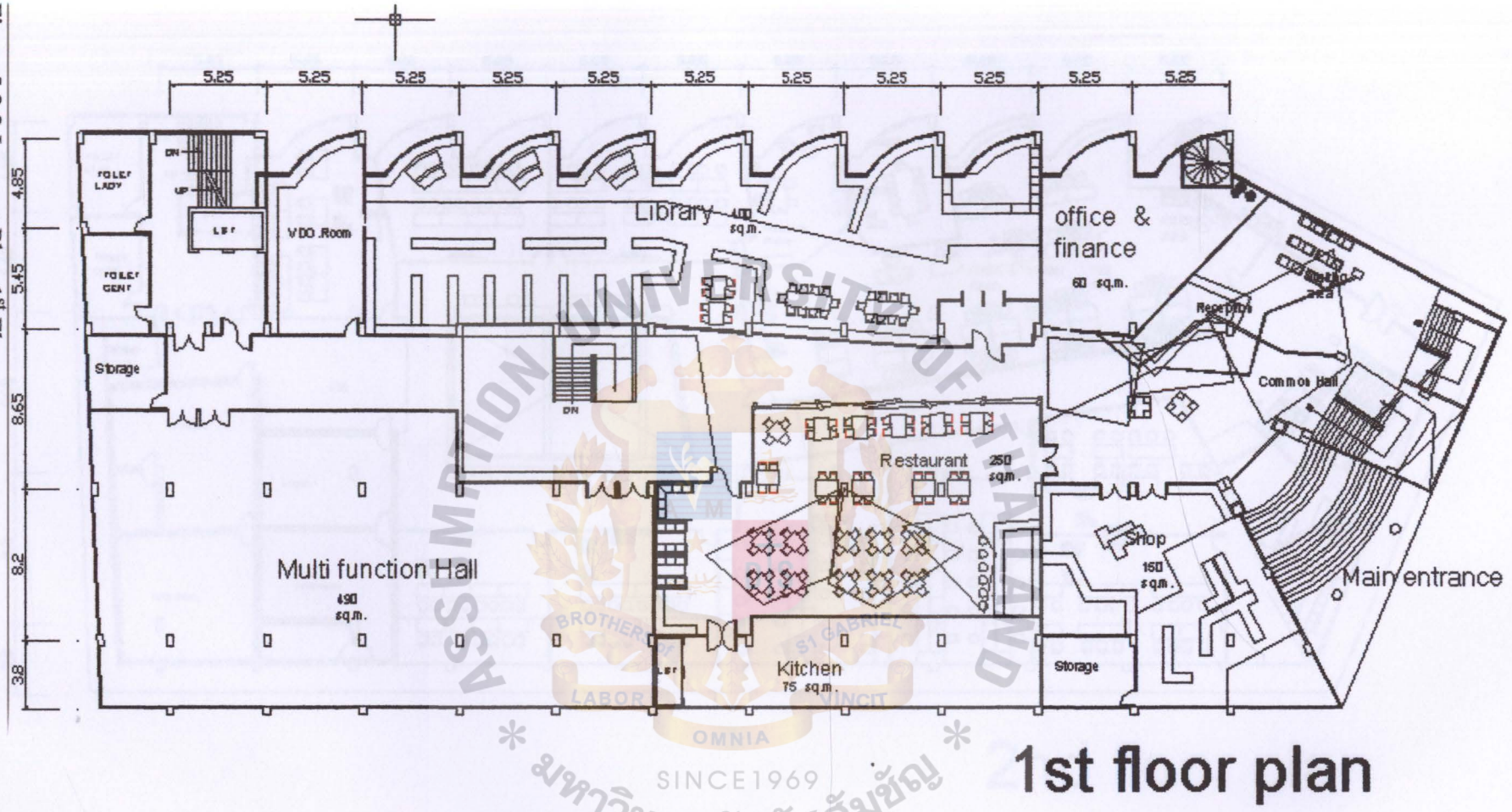
Figure5.2.2 Lay-out Plan 1st Floor



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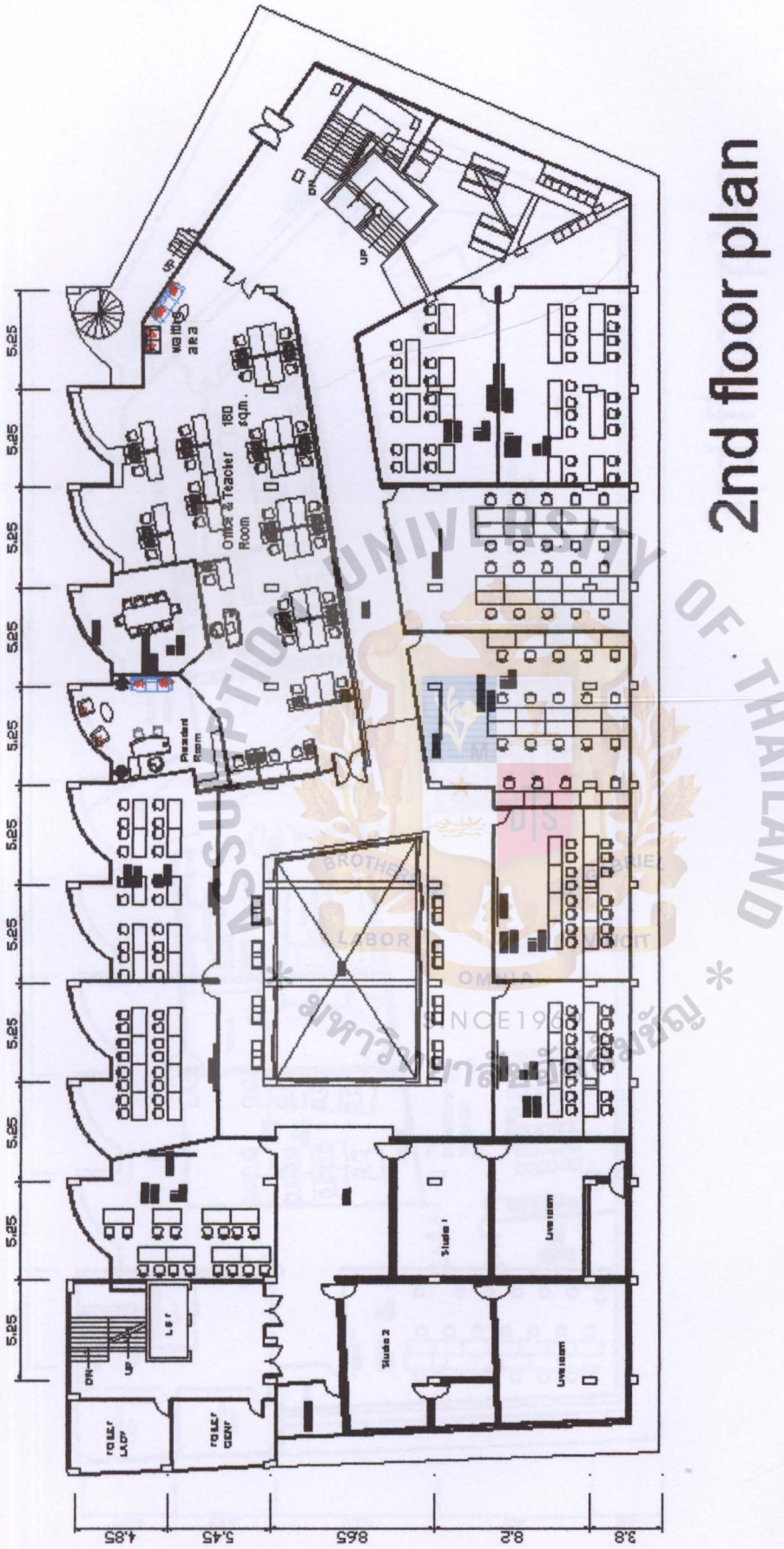

Figure5.2.3 Lay-out Plan 2nd Floor

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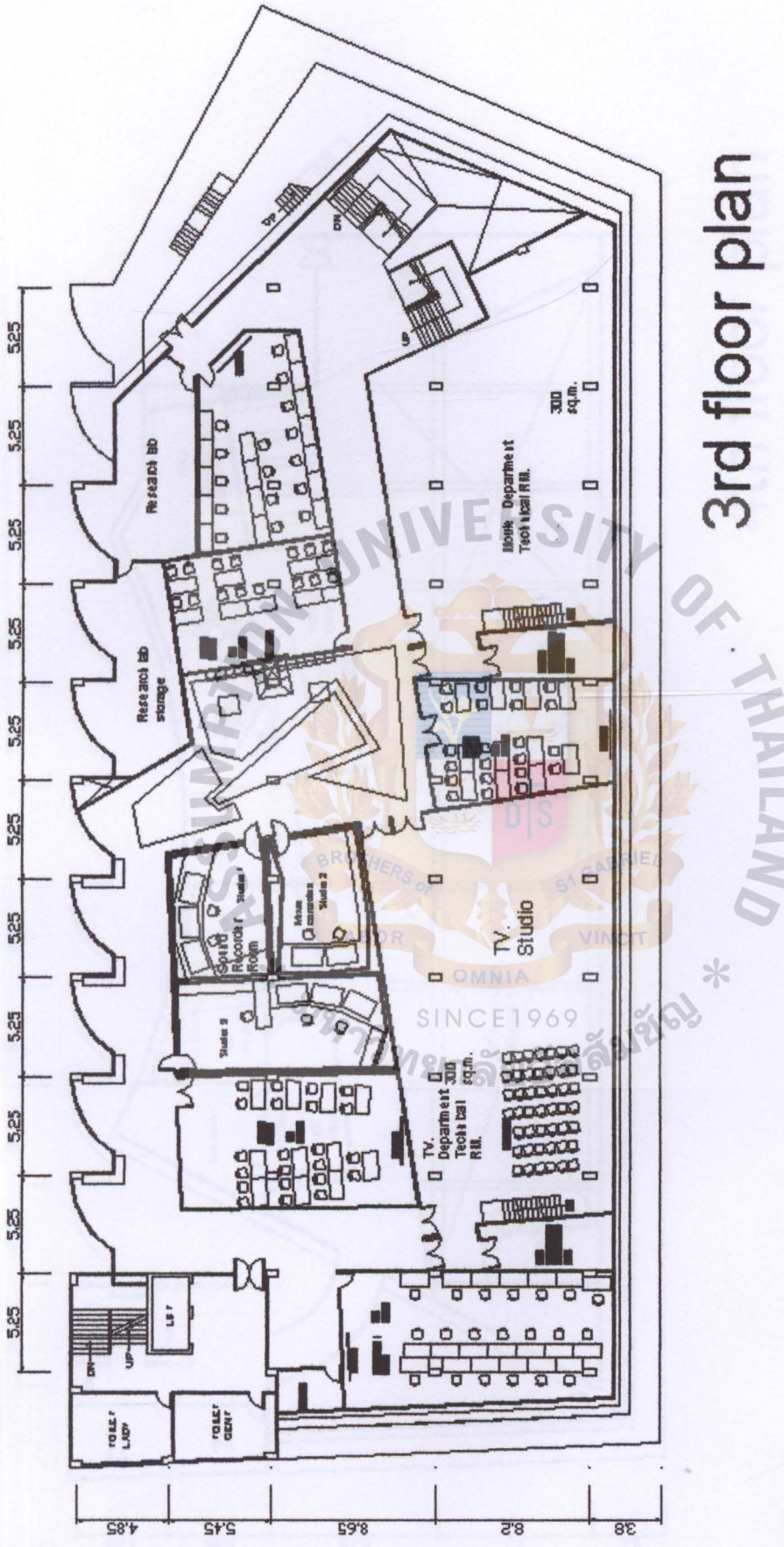

Figure5.2.4 Lay-out Plan 3rd Floor

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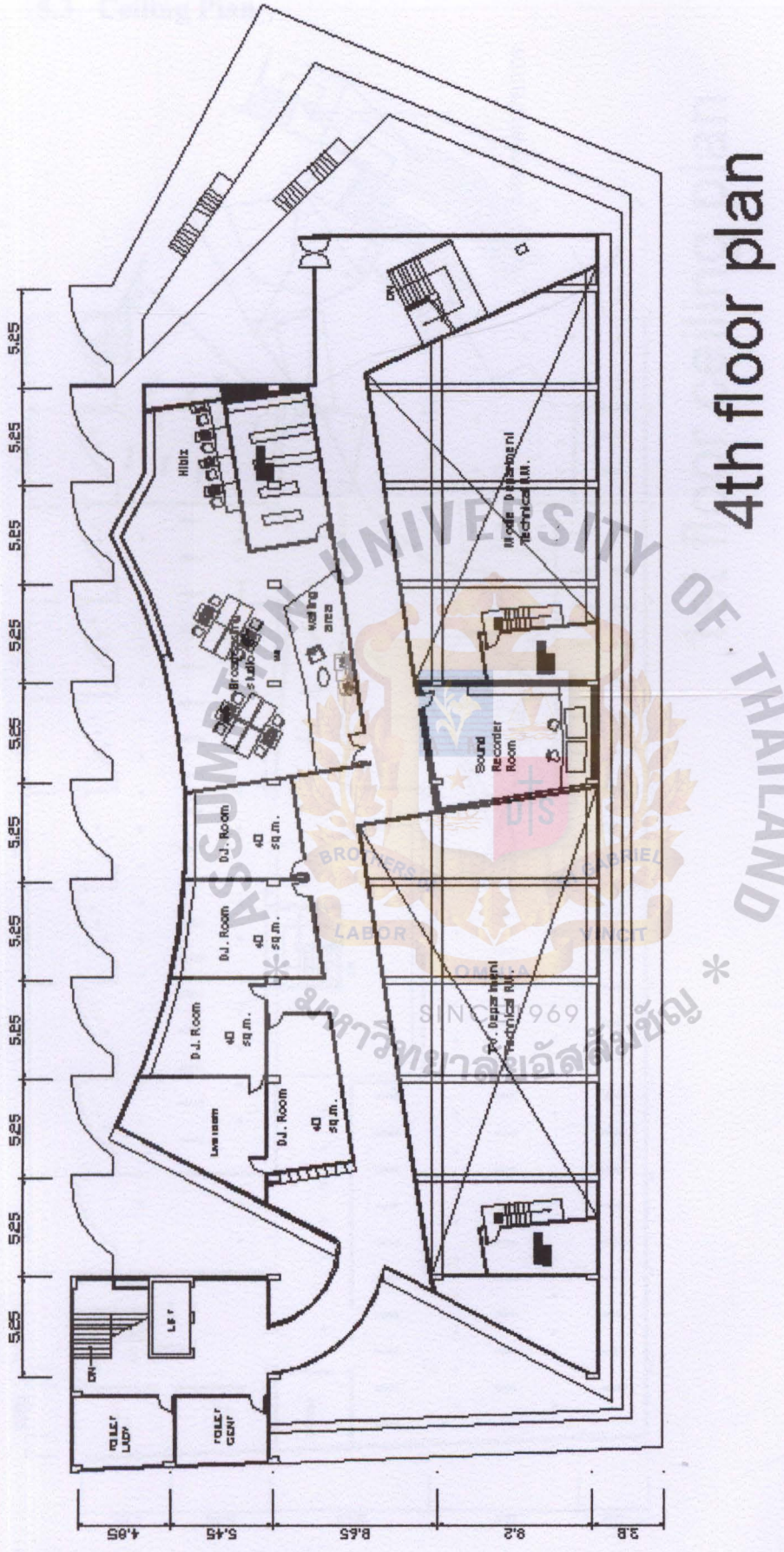

Figure5.2.5 Lay-out Plan 4th Floor

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5.3 Ceiling Plan

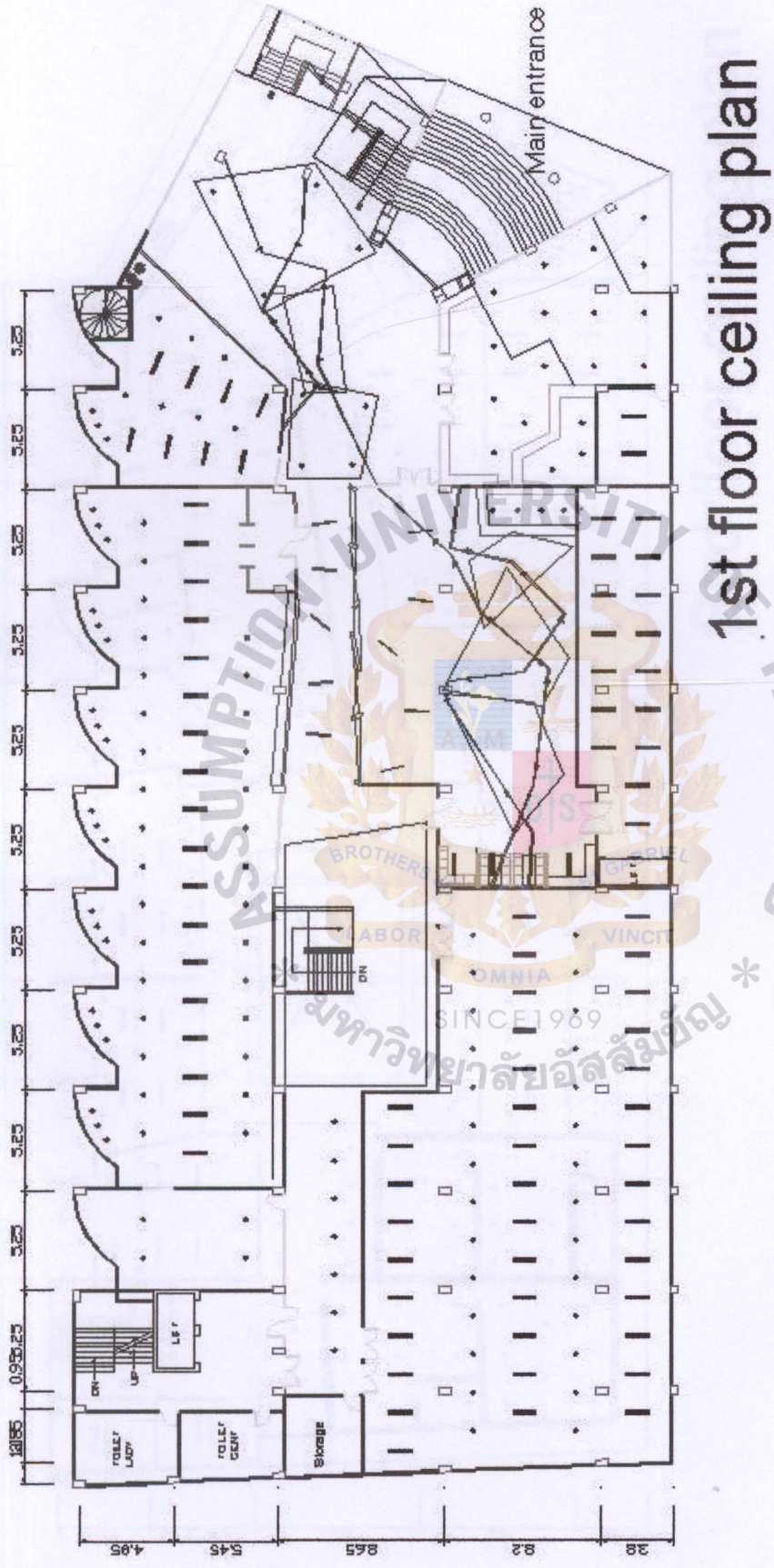

Figure5.3.1 Ceiling Plan 1st Floor

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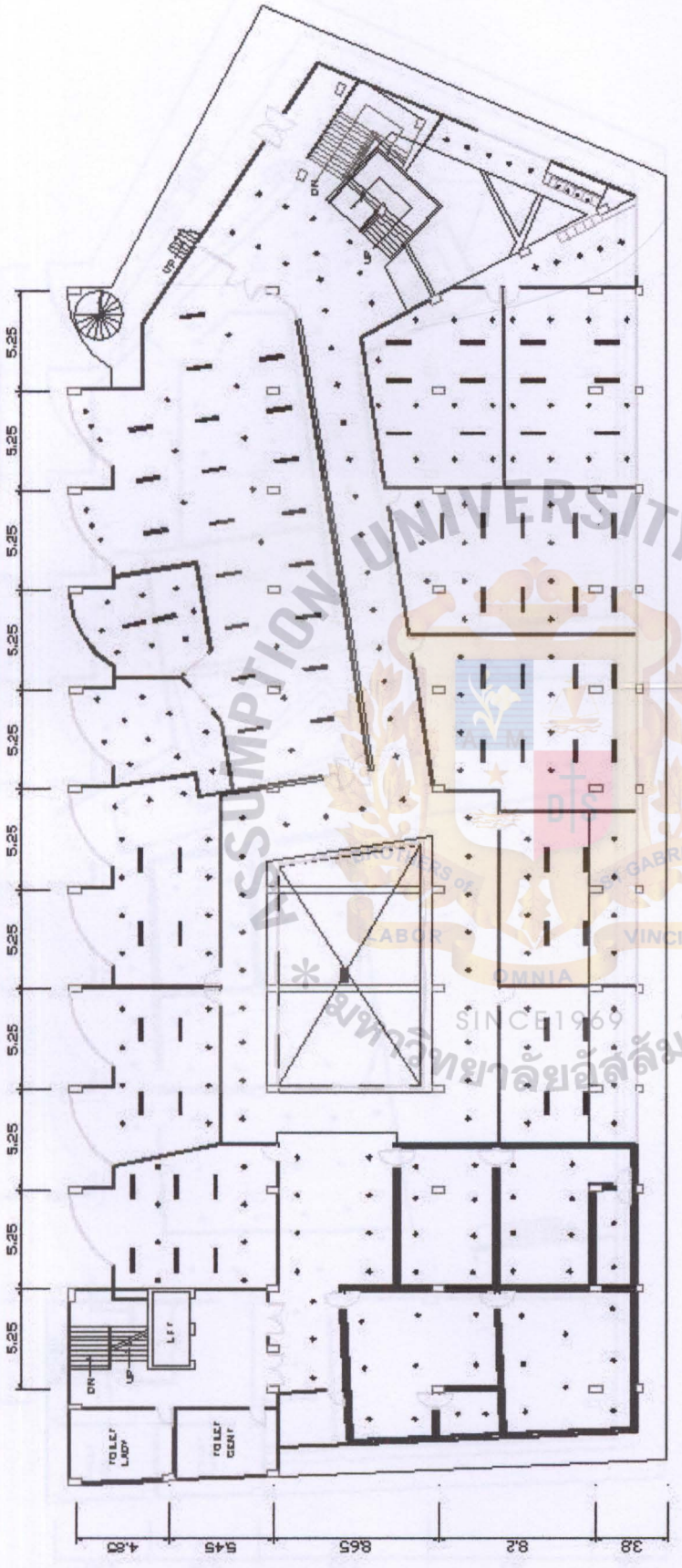

Figure5.3.2 Ceiling Plan 2nd Floor

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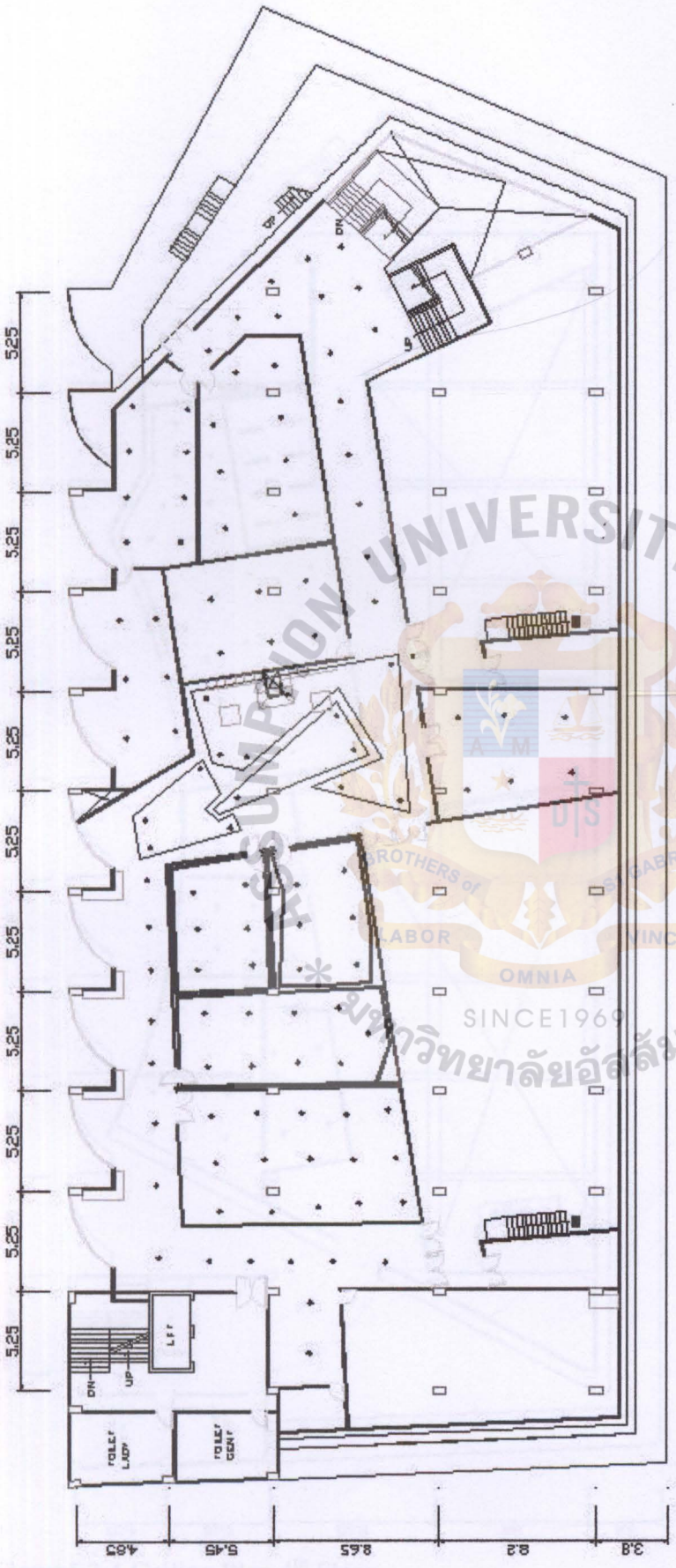

Figure5.3.3 Ceiling Plan 3rd Floor

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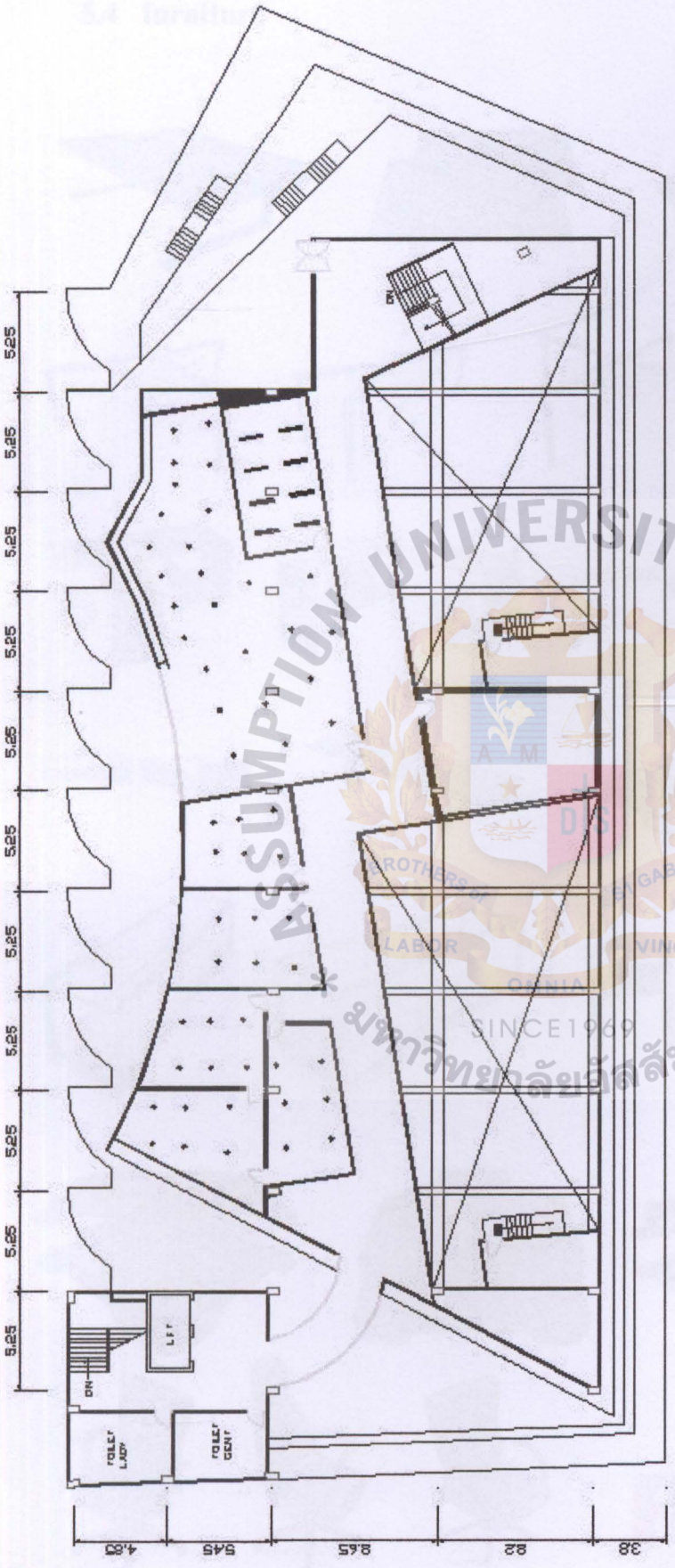

Figure5.3.4 Ceiling Plan 4th Floor

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5.4 furniture

Figure5.4 Furniture

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5.5 Space Model

1st Floor

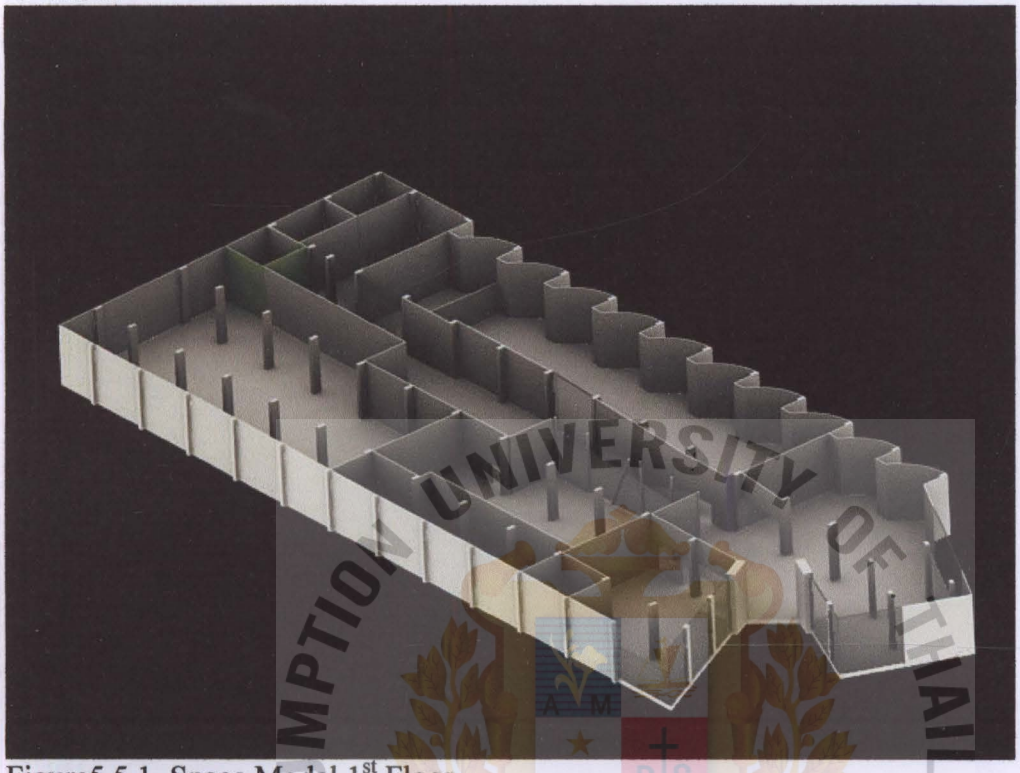

Figure5.5.1 Space Model 1st Floor

2nd Floor

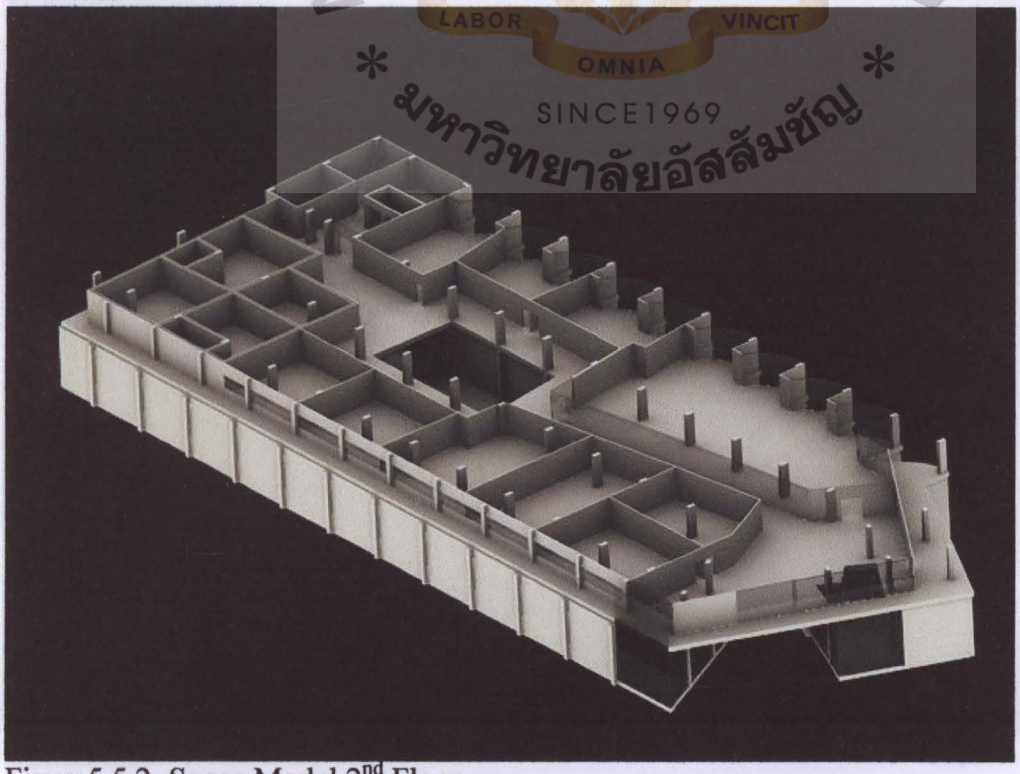

Figure5.5.2 Space Model 2nd Floor

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3rd Floor

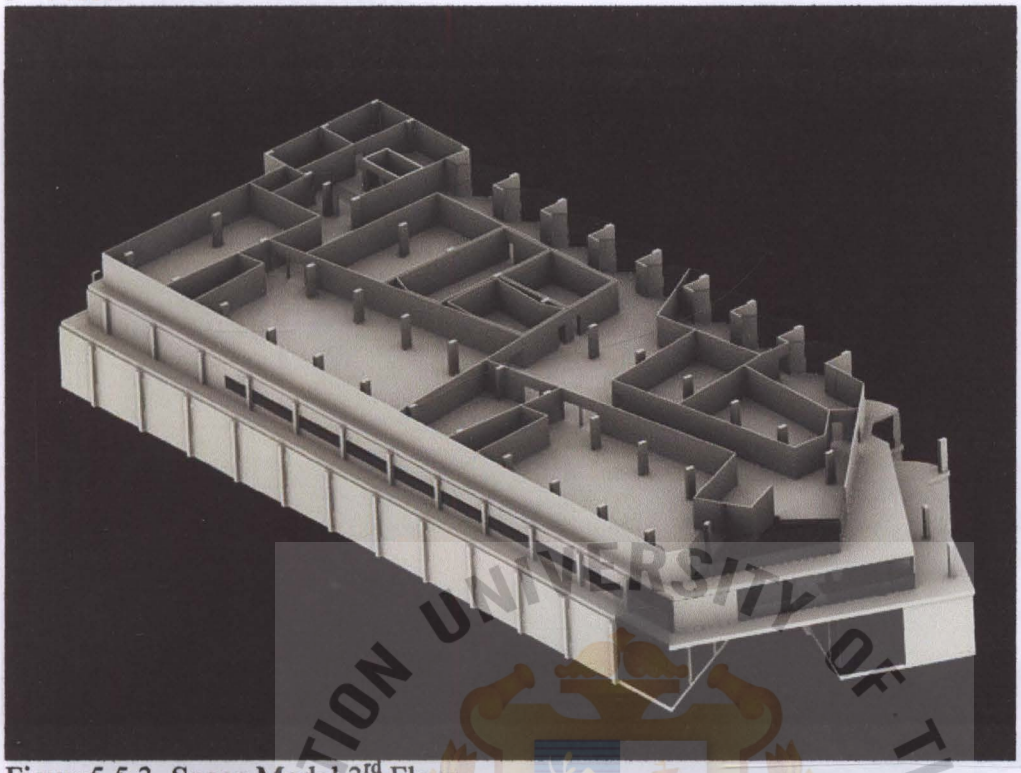

Figure5.5.3 Space Model 3rd Floor

4th Floor

Figure5.5.4 Space Model 4th Floor

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5.6 color Perspective

Figure5.6.1 color Perspective Common Hall

Figure5.6.2 color Perspective 1st Floor

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Figure5.6.3 color Perspective Restaurant

Figure5.6.4 color Perspective 1st Floor Hall

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Figure5.6.5 color Perspective 2nd Floor

Figure5.6.6 color Perspective 3rd Floor

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Figure5.6.7 color Perspective Class Room

Figure5.6.8 color Perspective Movie Studio

Figure5.6.9 color Perspective MCR. Room

Figure5.6.10 color Perspective Sound Studio

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5.7 elevation

Common Hall

Figure5.7.1 elevation Common Hall

Restaurant

Figure5.7.2 elevation Restaurant

hall 1st-2nd floor

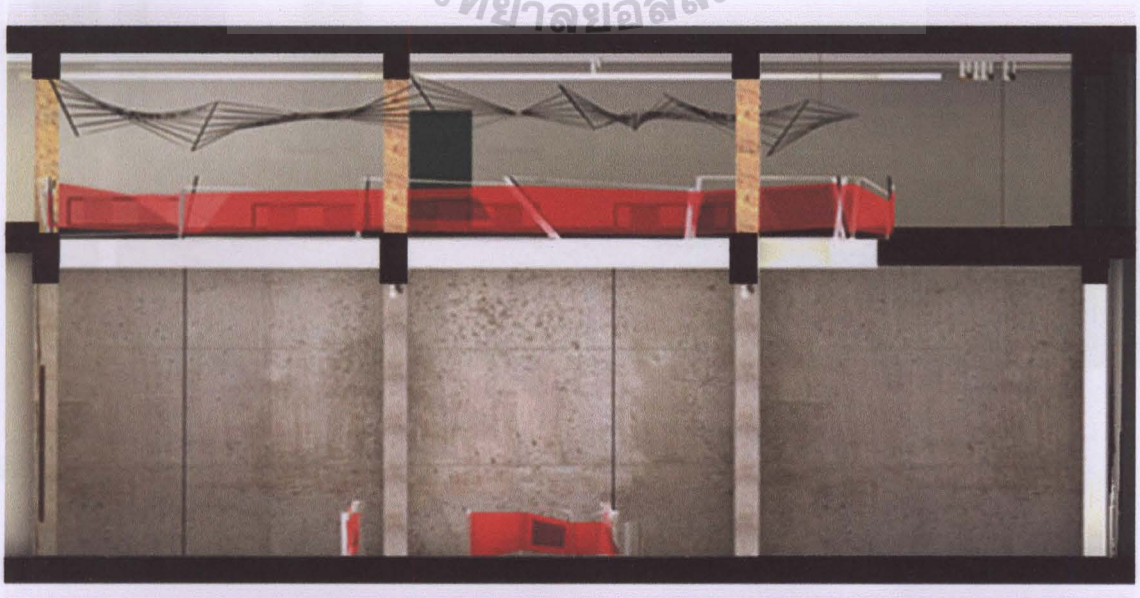

Figure5.7.3 elevation 1st-2nd Hall

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Movie Studio

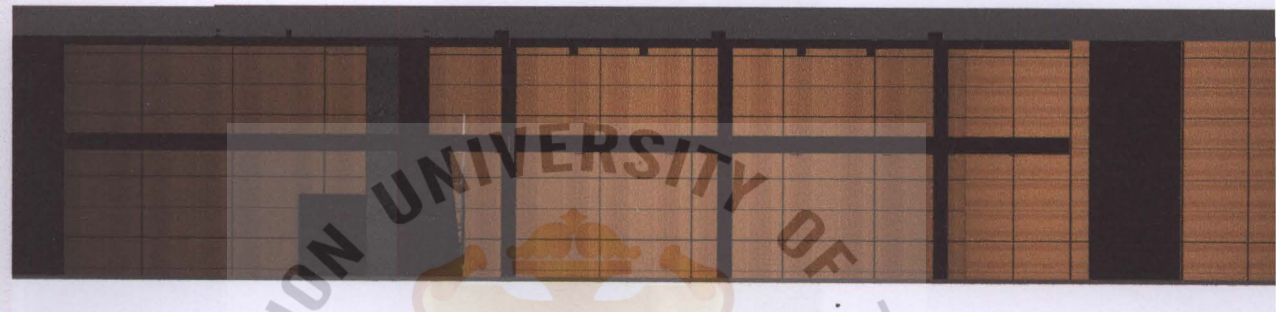

Figure5.7.4 elevation Movie Studio

Sound Studio

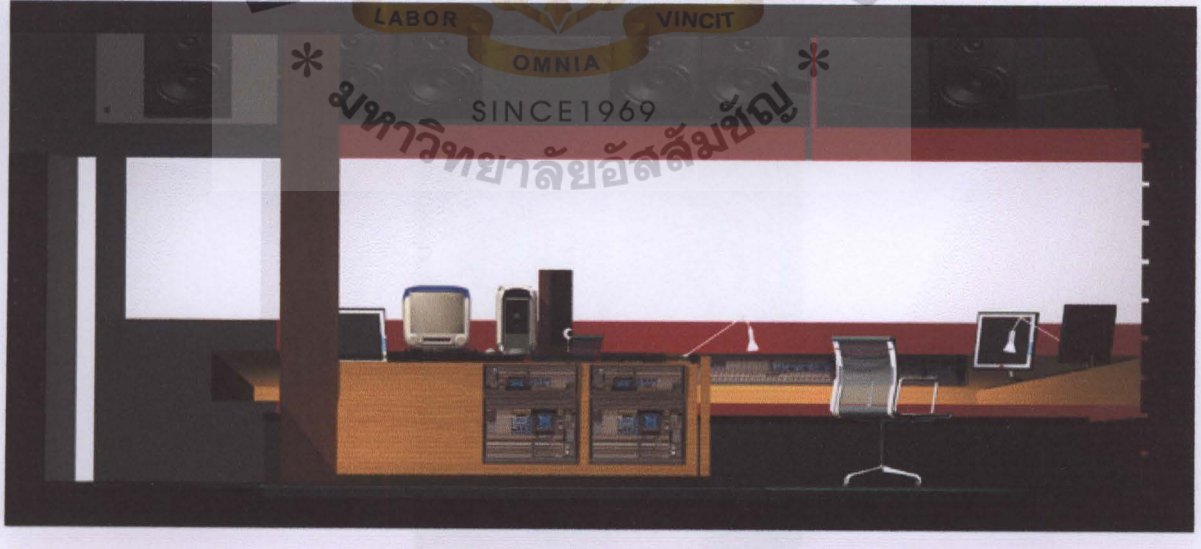

Figure5.7.5 elevation Sound Studio

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5.8 section

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Figure5.8 section