

E X P E R I E N C E

D I S C O V E R

E X P L O R E

C E N T E R

BA (HONS) INTERIOR ARCHITECTURE AND DESIGN 2019-2020

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01

PROJECT BRIEF

TOPIC ISSUES

CLIENT

TOPIC ISSUES

“Young people’s lives in Hong Kong are not easy. They do not have comfortable lives in this affluent society, and they each bear their own pressure,” ”

Wan Lap-man
(social worker)



Close to seven in 10 Hong Kong undergraduates show symptoms of depression while more than half suffer from anxiety, a study has found. Those at risk of depression and anxiety tended to be disadvantaged and faced discrimination, and also found their studies difficult. Some 75 Hongkongers aged between 15-24 chose to end their lives in 2016, according to the Hong Kong Jockey Club Centre for Suicide Research and Prevention. Compared to 2014 and 2015, the suicide rate in 2016 has slightly increased. Ye Zhaohui, a professor at the University of Hong Kong who specializes in suicide prevention, said that **the causes of suicide among young people** are comprehensive, including **academic pressure**, weak family support systems, sense of despair, etc.

Why are Hong Kong students stressed?

Family expectations

- Parents recognize children's performance
- Unexpectedly bring stress

Social culture

- “Achievement First”
- The importance of outstanding “scores”

One way out

- Inadequate recognition of vocational education in Hong Kong
- Is it necessary to enter university?

Major Academic Pressure

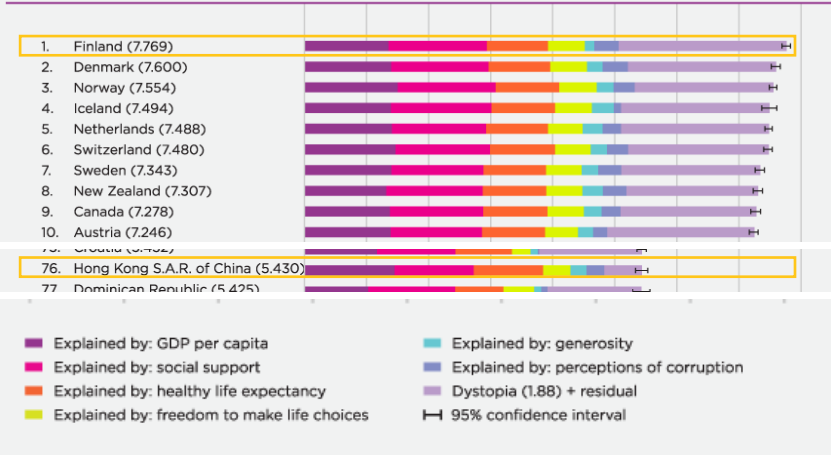
During the period from September to October this year, the Youth Association Healthy Thinking Center interviewed 2,685 S1 to S6 students from 14 different middle schools in the form of a convenient sample self-filled index. **“Quiz / Examination”** (53.6%), **“Unsatisfactory results”** (51.9%) and **“Reduction in rest time”** (49.9%). As a result, nearly a quarter (24%) said that they felt severely because of “social tension”; “Conflicts among peers due to different opinions on social events (9.2%) and “cold / cited / bullied by classmates” (8.3%) have also become one of the sources of stress for some classmates.

Are Hong Kong students happy?

The overall happiness index of Hong Kong school children has risen from last year, hitting a five-year high, with a perfect score of 10, with an overall score of 6.81, an increase of 0.08 from last year. However, the happiness index of students aged 15 to 18 fell by nearly 5% year-on-year, and it is estimated that **academic pressure has the greatest impact.**

Zhuhai College's Center for Public Opinion and Poll Research conducted a survey on the “Happiness Index of Hong Kong Schoolchildren for the 2018/19 School Year” and interviewed more than 4,800 elementary and middle school students using a questionnaire. The students interviewed indicated that they were very unhappy. Among them, the highest percentage of secondary three students reported being very unhappy, recording 6.24%. The survey also found that the older the students, the lower the family happiness index.

Figure 2.7: Ranking of Happiness 2016-2018



CASE STUDY

Finland's Education

- No Standardized Testing
- Collaboration, Not Competition
- Creating a Healthy Learning Environment
- Less Stress
- Learning Through Play

According to the World Happiness Report 2019, Finland ranks first among 156 countries and territories worldwide, while Hong Kong ranks 76th.

Compare with the education Finland and Hong Kong, Finnish students have an average of about 10 to 12.5 hours per week to encourage students to participate in multiple after-school activities. Hong Kong kindergarten, elementary and secondary students spend an average of 62.2 hours per week, and secondary school students reach 76.5 hours

Finnish students do not need to take standardized tests before the age of 16. Educational authorities believe that frequent tests will cause teachers to attach too much importance to the training and recitation of subjects, and less emphasis on understanding. In Hong Kong, students are already facing the TSA test in the third grade of primary school to assess the students' basic ability levels in Chinese, English and Mathematics at the end of the first to third study stages.



AIM

Designing an experience center to allows student to self experience, self discover and self explore. Through different zone, learning through play, so that students increase their interest in learning, thereby reducing the stress of learning.



OBJECTIVE

Walking into different zone, to experiences, to challenges, to attempts, to find how to make the decision to complete the journey.

TOPIC
ISSUES

TOPIC
ISSUES

The Government strives to nurture the youths and support them in fully realising their potential. However, following the decline of our birth rate in recent years, student recruits to uniformed groups are decreasing in number. The Government encourage the uniformed groups to strengthen their co-operation with schools so as to attract more youth participants. They hope the young people taking part in more extra-curricular activities, which are certainly good for their physical and mental well-being. Step outside the classroom to broaden the vision and knowledge by joining leadership training and outdoor expeditions or the like. They are all good for enhancing self-confidence, leadership skills and sense of responsibility, hence the development of positive values and abilities to contribute to society.



Some scouts pointed out that in the face of pressure from family, work and life, they felt very embarrassed. He also believes that the Scout decompressed him, and that the sense of satisfaction and mission he received in engaging in Scout activities can support him to continue to face pressure from all sides.

[illegible][illegible]

1909

SCOUT ASSOCIATION OF HONG KONG

MISSION & VISION

The Aim of the Scout Association of Hong Kong is to encourage the physical, intellectual, social, spiritual and aesthetic development of young people so that they may take a constructive place in society.

The Mission of the Association is to operate an education movement for young people providing them with CHALLENGING and TRAINING PROGRAMMES for their physical, intellectual, social, spiritual and aesthetic development.

The Scout Movement in Hong Kong needs constant innovation to cater to the development of young people and social change, but at the same time, it must adhere to traditions, maintain the Scout laws and vows, the squad system, autonomy and self-service, and serve the community

BACKGROUND

The Scout Center hopes to strengthen cooperation with schools through the experience hall, and hopes to deepen the students' understanding of Scouts. Challenge yourself through activities. When faced with difficulties, you should not give up in the face of failure. You can keep trying and everything can be solved.

2020

CLIENT



香港童軍總會

TARGET GROUP

Collaborate with schools to provide a brand new teaching environment to increase students' awareness of the Scout Center and enable students to learn from the game center through environment and technology)

PRIMARY SCHOOL



- Grade four to grade six student in Primary School
- 9-11 years students

SECONDARY SCHOOL



- From 1 to From 3 student in Secondary School
- 12-14 years old students

02

SITE ANALYSIS

SITE PROPOSAL

SITE ENVIRONMENT

EXISTING SITE PLAN

SITE SWOT

TARGET GROUP

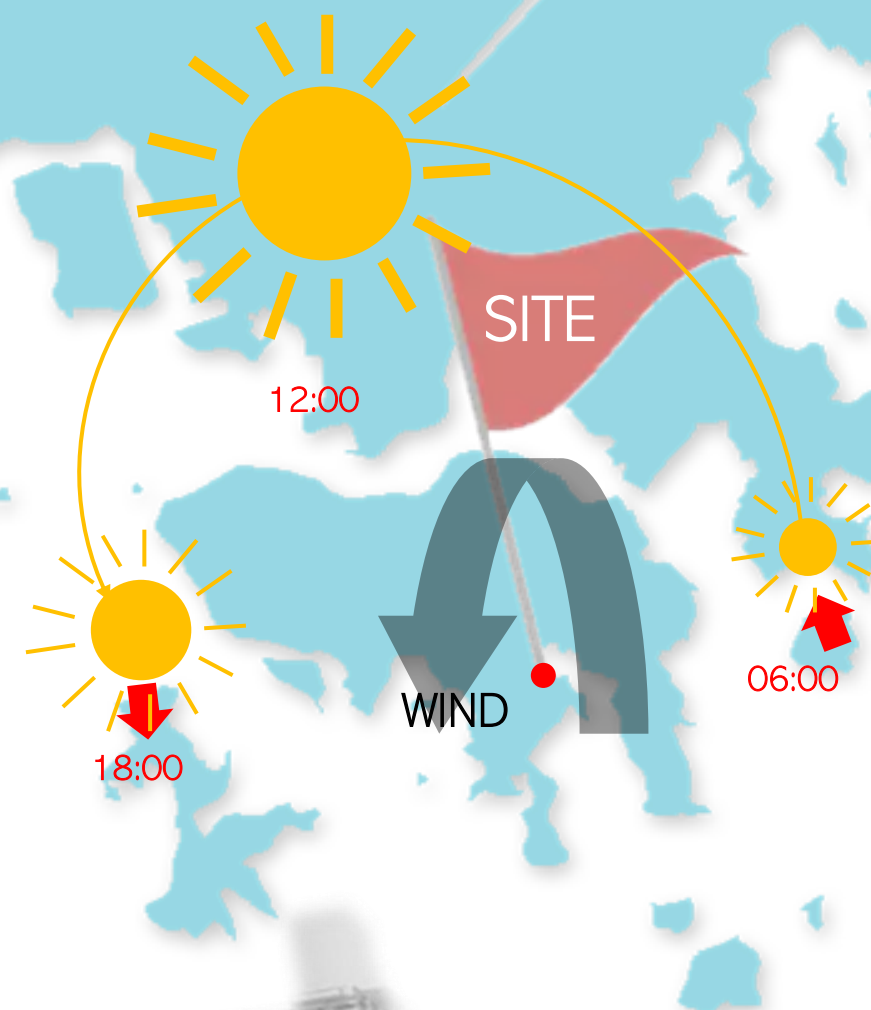
TAI TAM SCOUT CENTRE

HONG KONG

RBL 873, TAI TAM RESERVOIR ROAD, STANLEY, HONG KONG

22.239208, 114.223235

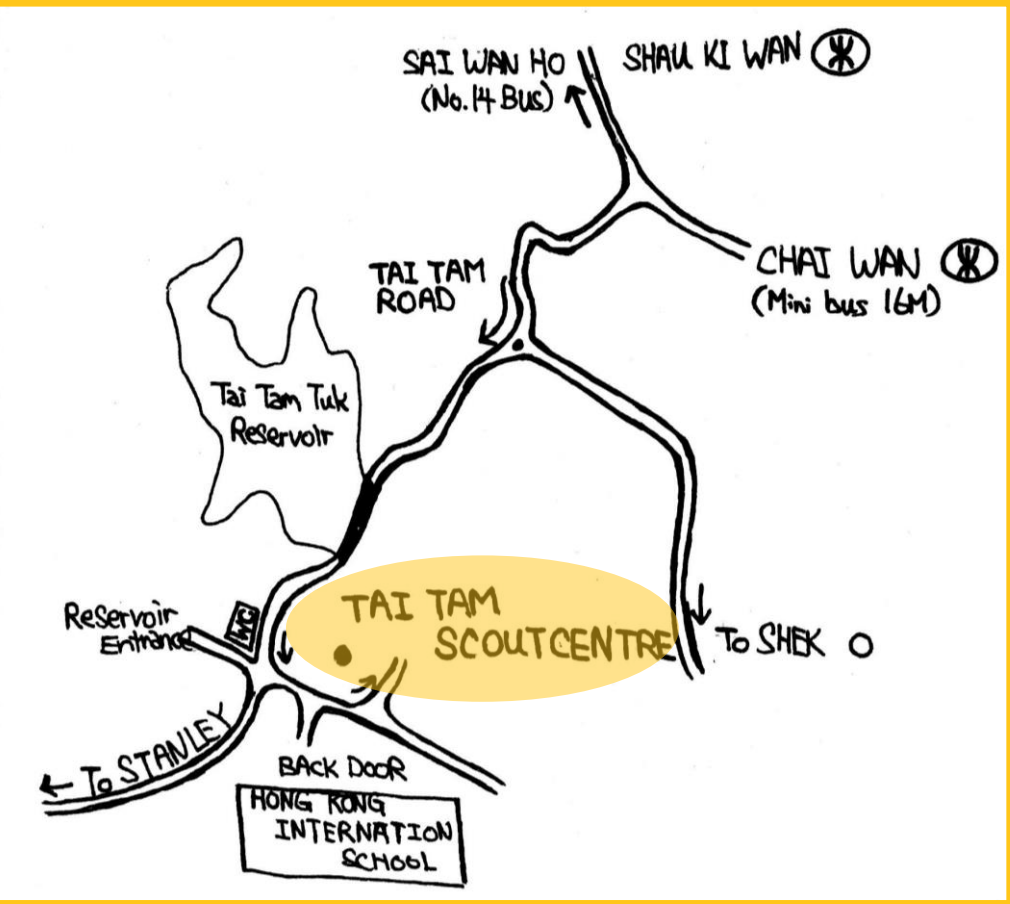
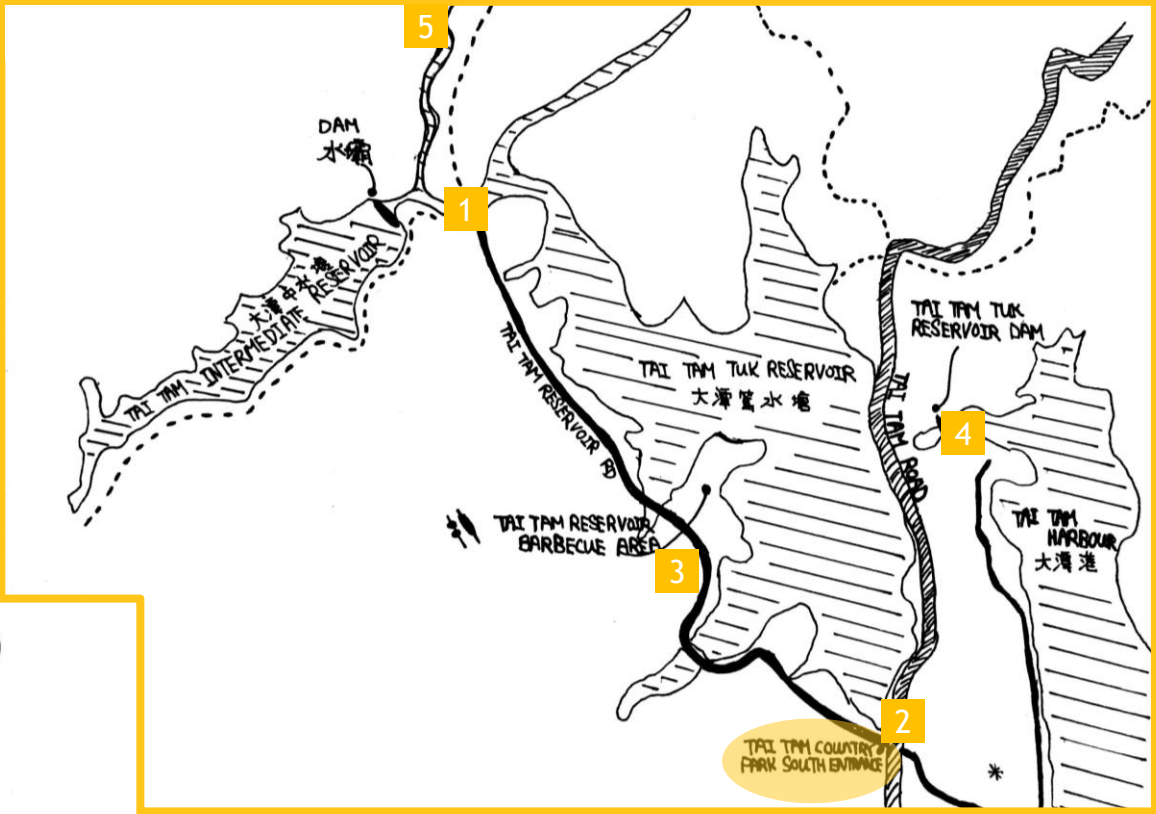
THE SOUTHEAST OF HONG KONG



SITE LOCATION

NATURAL PHYSICAL FEATURES

Tai Tam Scout Centre is an area located in the southeast of Hong Kong South Island, most of which is covered by Tai Tam Reservoir, Tai Tam Country Park and Tai Tam Country Park. Along the Tai Tam Road are some historic luxury apartments. The south of Tai Tam is Redhill Peninsula. Most of the land built into low level mansion; The West of Tai Tam is Tai Tam Reservoir and Country Park; The North is adjacent to Chai Wan.



TRANSPORTATION



Taxi
CENTRAL <> TAI TAM
20 mins ~15.5km

MONGKOK <> TAI TAM
24 mins ~18.6km



Minibus No. 16M
CHAI WAN MTR <> TAI TAM
30 - 40 mins


STANLEY <> TAI TAM
30 - 40 mins



Bus No.14
Grand Promenade <> Stanley Fort (Gate)/ Ma Hang


1

SCOUT CENTRE PIER




2

TAI TAM TUK RESERVOIR




3

TAI TAM TUK VILLAGE




4

BUS STOP




5

PUBLIC TOILET




6

CAR PARK




7

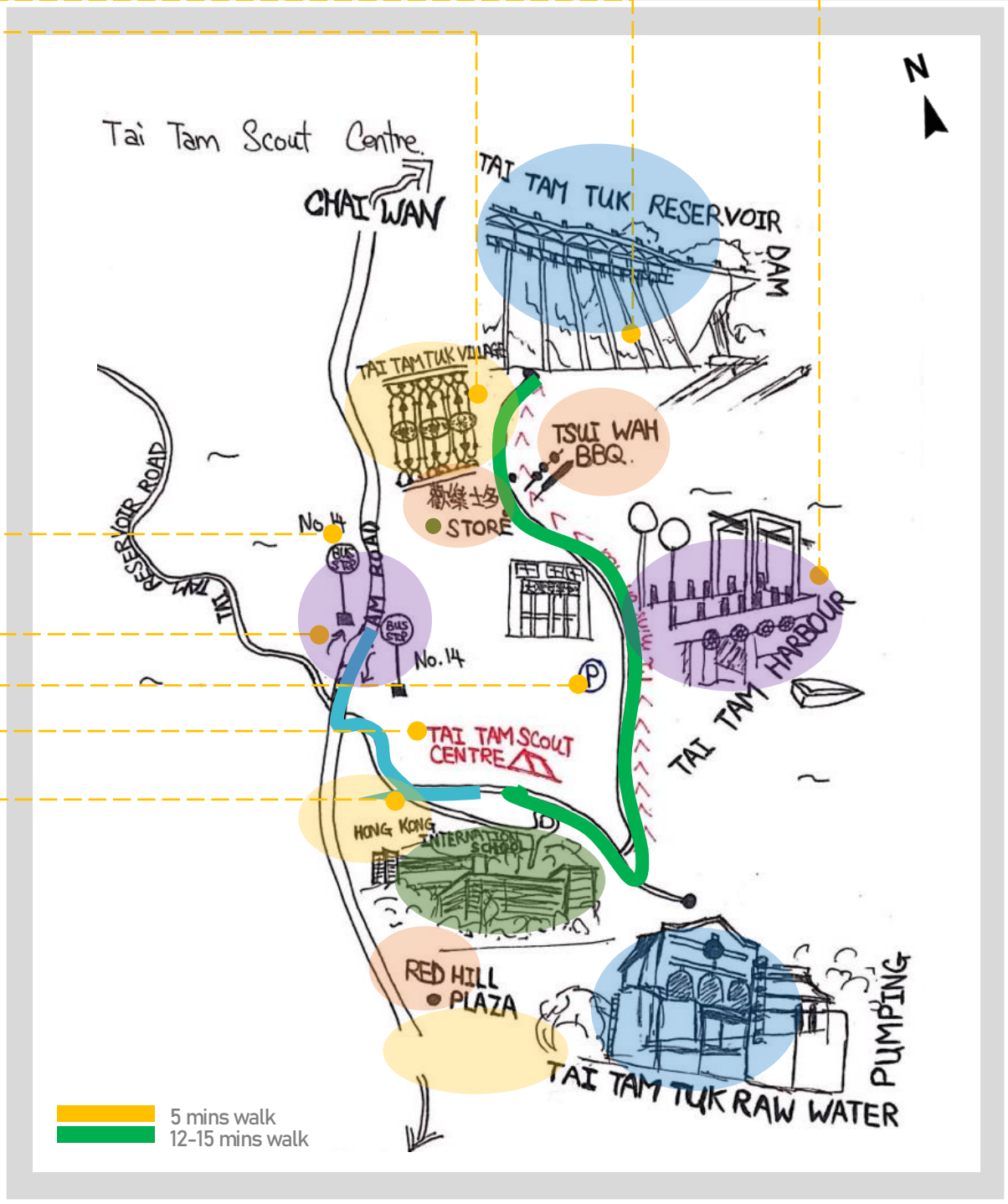
FRONT DOOR



8

INTERNATIONAL SCHOOL

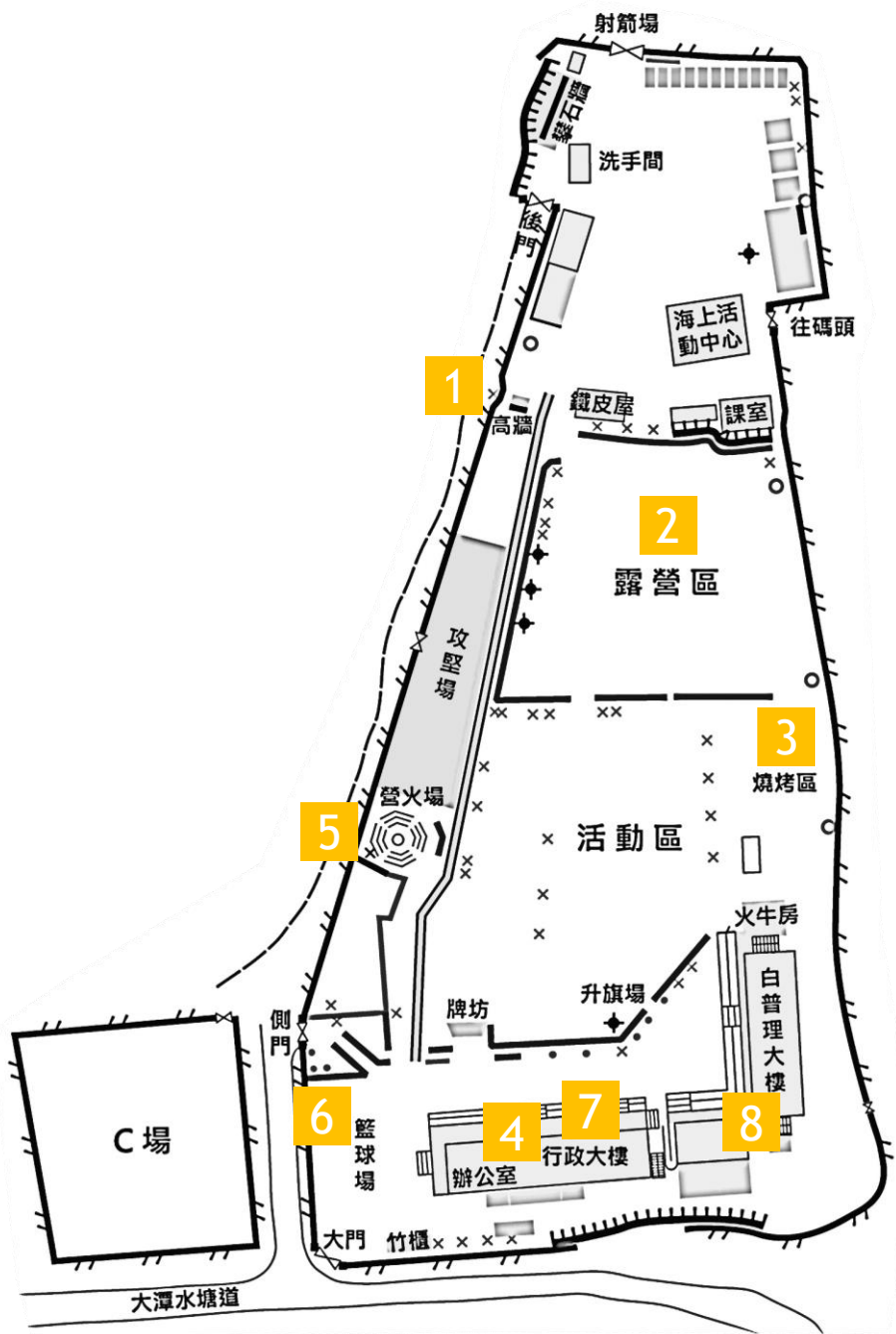




NEIGHBOURHOODS CONTEXT

EDUCATION	Hong Kong International School
MONUMENTS	Tai Tam Tuk Raw Water Pumping Station / Tai Tam Tuk Reservoir Dam
RESIDENTIAL	Tai Tam Garden / Tai Tam Tuk Village / Red Hill Peninsula
TRANSPORT	Bus Stop / Pier
FACILITY	Red Hill Plaza - Supermarket/ House Properties / Snack Store / BBQ Area

SITE
SURROUNDING



1



High Wall

2



Tenting Area

3



BBQ Site

4



Admin. Building

5



Campfire Circle

6



Basketball Court

7



Admin. Building

8



Bradbury Building

SITE ENVIRONMENT

STRENGTHS

- country parks give hikers some natural stress relief
- wooded hillsides and craggy ridges help Hong Kongers escape from city life
- No other building block the sea view



WEAKNESSES

- Low people flow
- Far away from the city
- No restaurant near



OPPORTUNITIES

- Create a hashtag point for the young
- Rebuild the image of Scout organization in HK



THREATS

- Easily replaced by other competitor
- similar attraction spots in HK demand of current youth generation

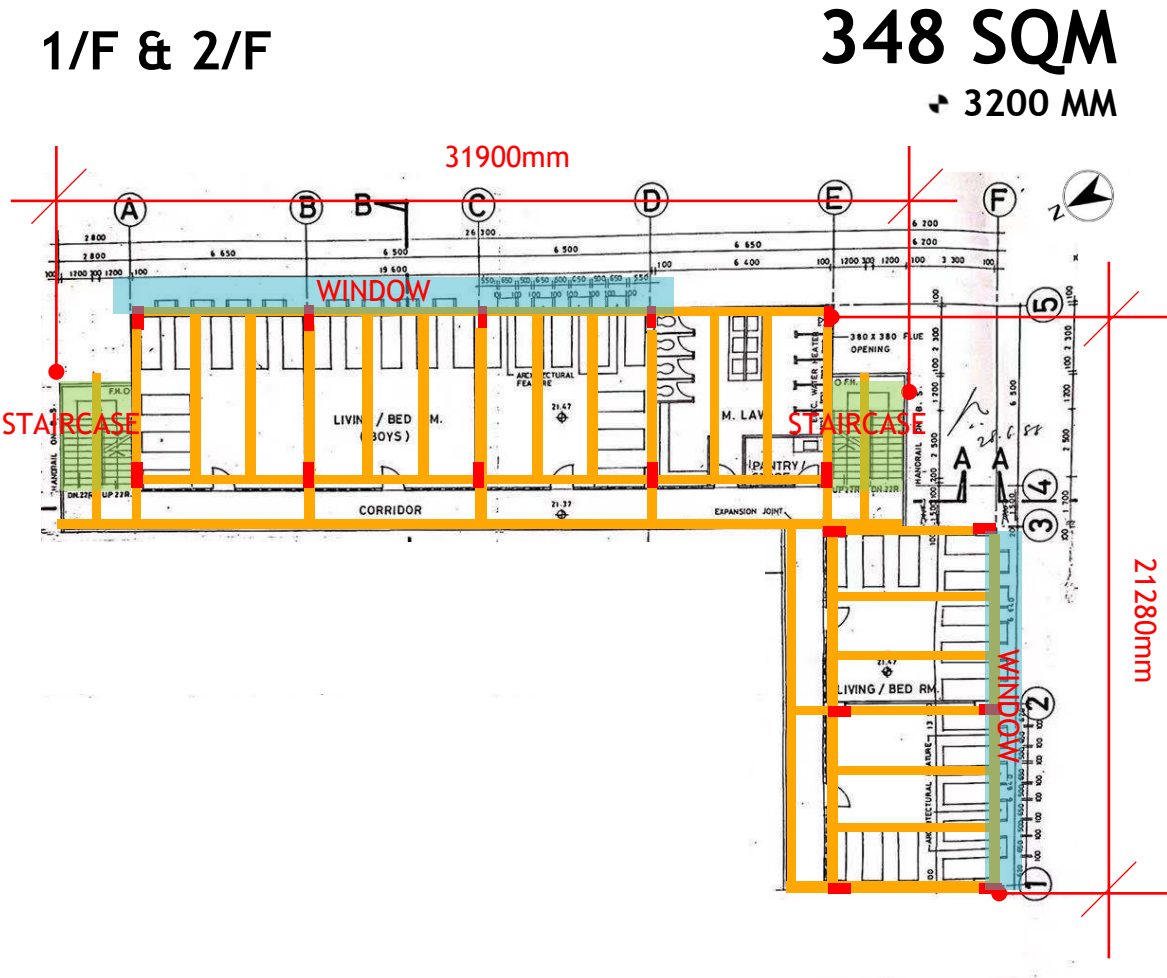
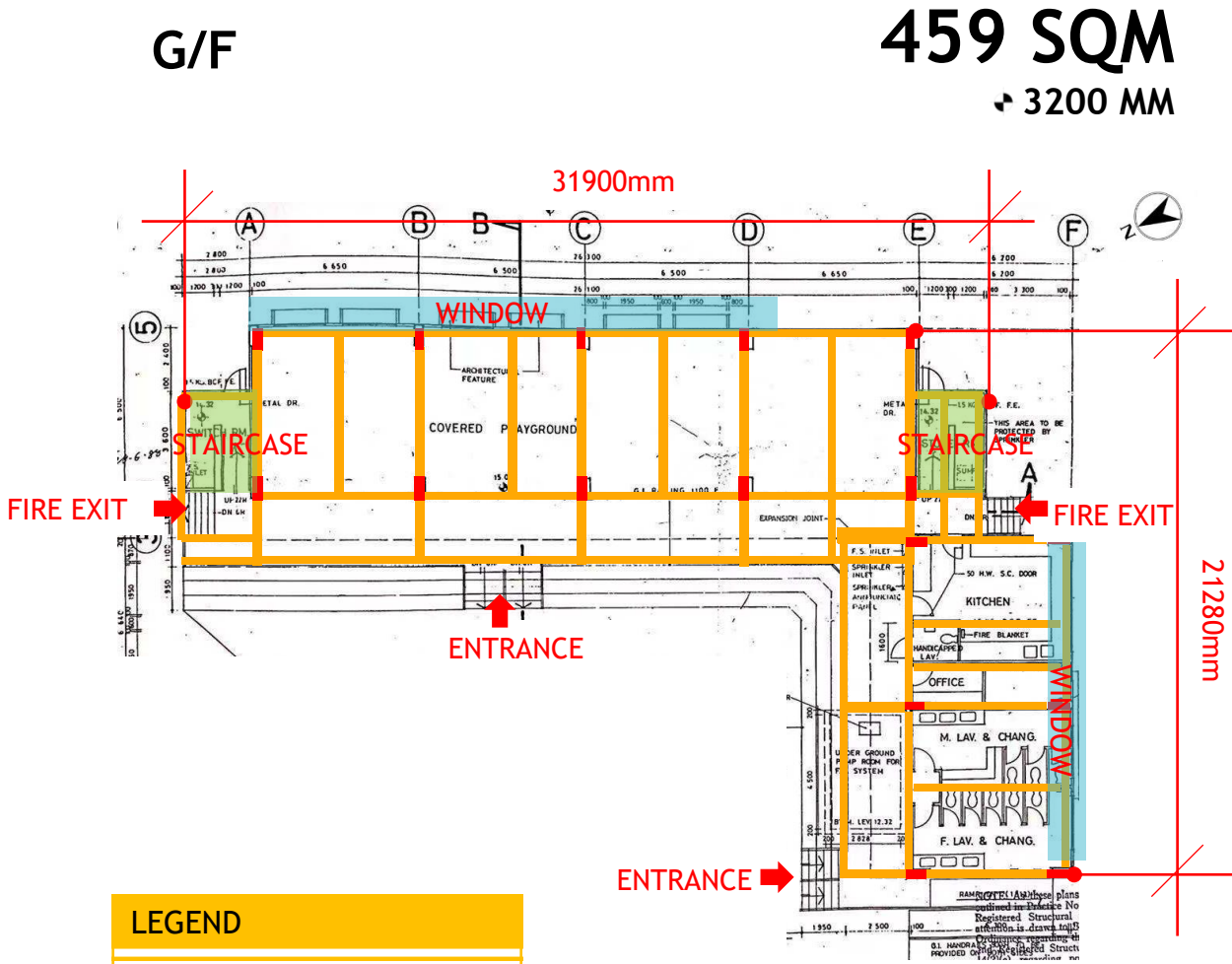
EXISTING FLOOR PLAN

BUILDING ANALYSIS

The building configuration is two rectangular shape connected it become a L shade. The total area size is 1155 SQM. Structural support by 16 columns on each floor. The window on the east and south side. There are 2 main entrance access to the building and two fire escape stairs. The ceiling height is 3200mm for each floor. There is no elevator.

SUMMARY

- Demolish the existing room to redesign the human flow.
- To build en elevator for Accessible use.
- Re-arrange the entrance



TOTAL SIZE FOR GF-2F: 1155 SQM

03

CONCEPT DEVELOPMENT

CONCEPT STATEMENT

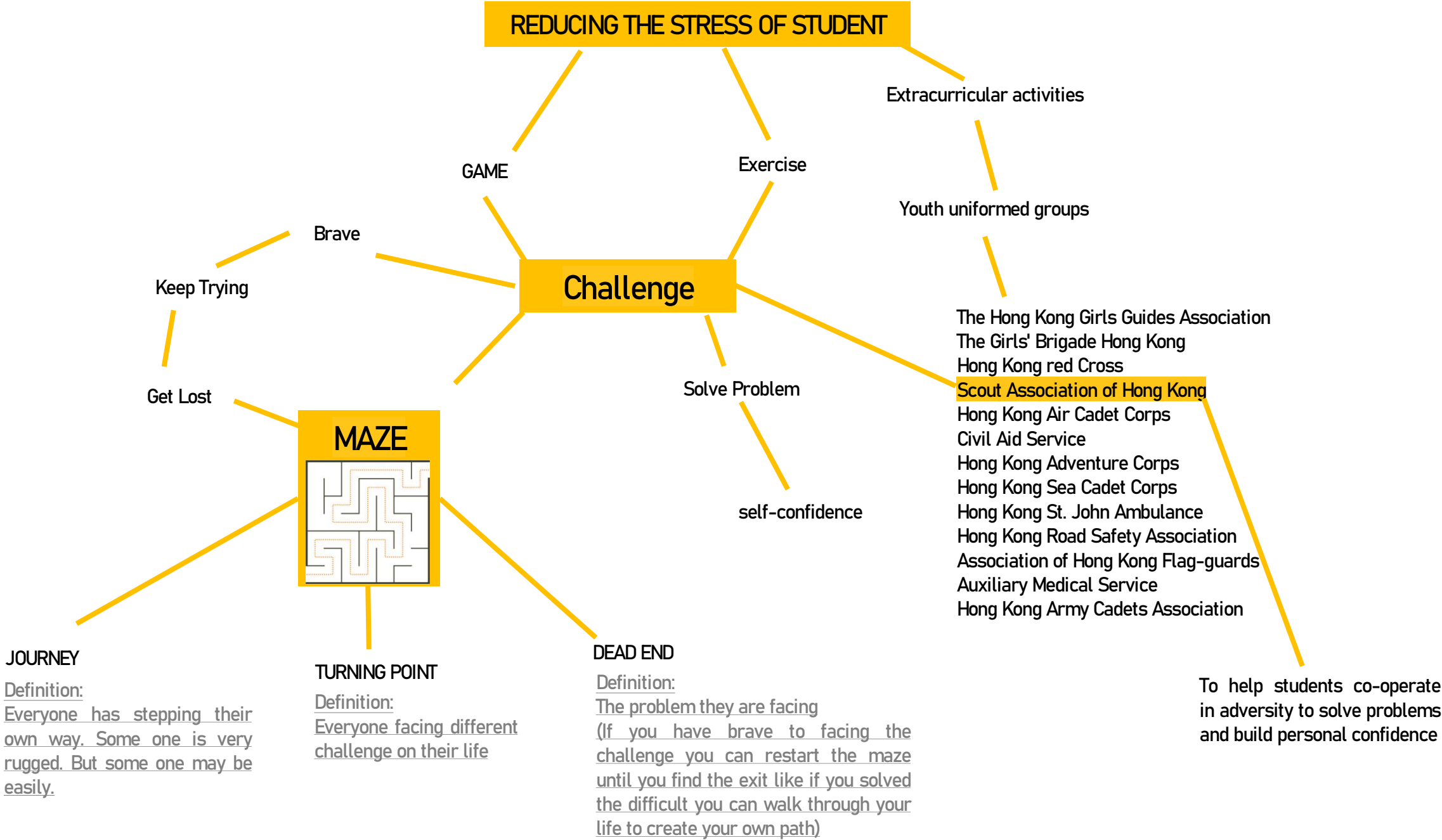
CONCEPT DEFINITION

COLLAGE



(Photo Source: Brighton and Hove Psychotherapy)

CONCEPT EXPLORATION MAIN MAP



EVERY END
IS A NEW BEGINNING

THIS IS LIFE

TUR

PO



DESIGN CONCEPT

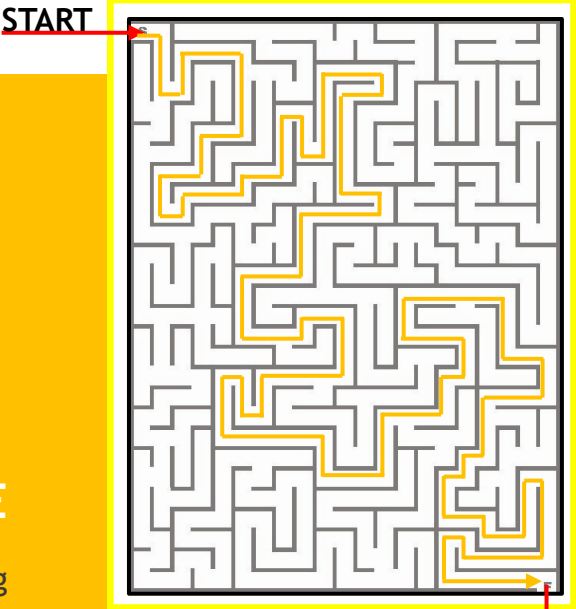
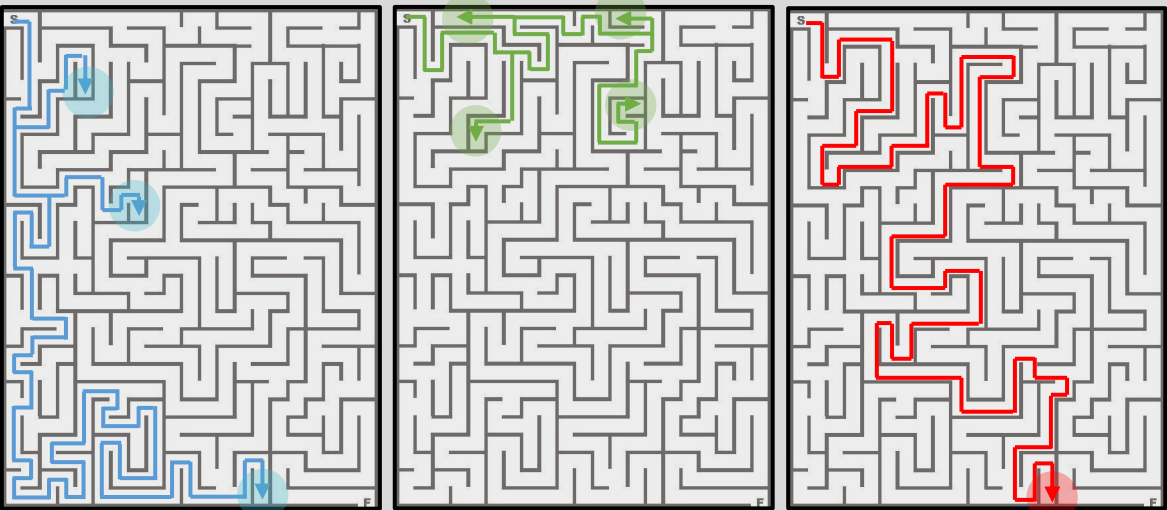
CONCEPT: MAZE

MAZE IS A PATH OR COLLECTION OF PATHS, TYPICALLY FROM AN ENTRANCE TO A GOAL.

LIFE JOURNEY & MAZE

Life has different way. Everyone has stepping their own way. Some one is very rugged. But some one may be easily. Everyone facing different challenge on their life like facing the dead end in the maze. If you have brave to facing the challenge you can restart the maze until you find the exit like if you solved the difficult you can walk through your life to create your own path.

HOW TO YOU PLAY THIS MAZE?



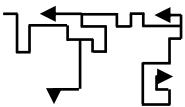
DEAD END

Usually get of maze and every time when you encounter something that is dead end. You will restart again. That may be 7 or 8 this maze. And then you will restart 8 or 9 times.

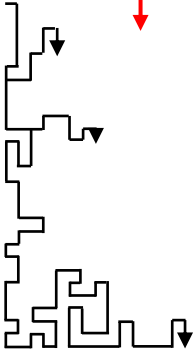
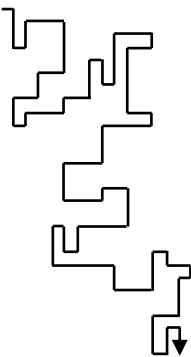
RESTART

Depends on how many challenge you able to take.

REPEAT: DEAD END = RESTART = CHALLENGE



SECOND ATTEMPT



FIRST ATTEMPT

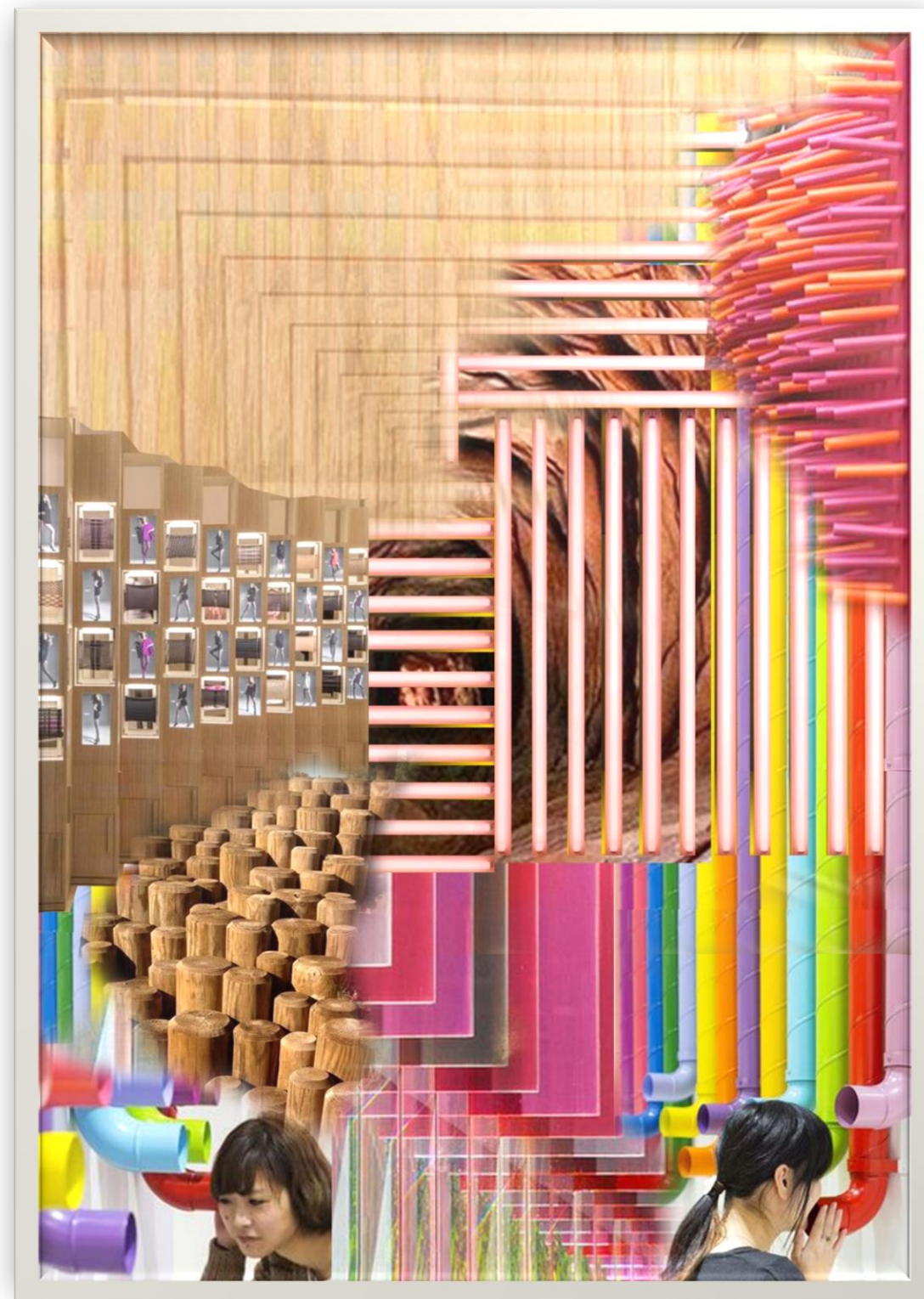
THIRD ATTEMPT

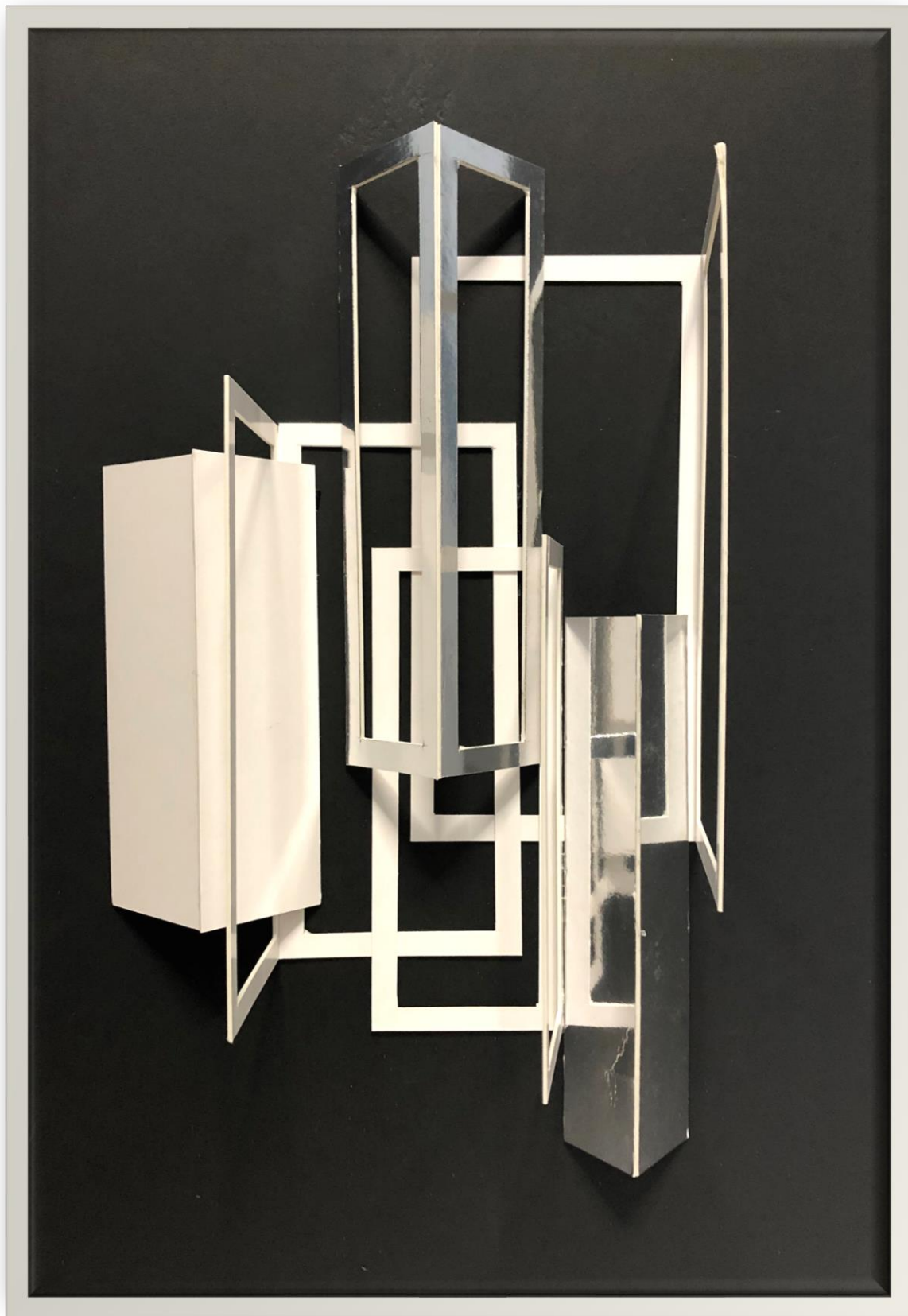
THE PATTERN IS THE SAME

The purpose of this experience hall is to make young people understand that the problem they are facing is just a small problem in life, just like a dead end in a maze. There are many types of dead end in life. As long as you continue to challenge and try I'm sure you can find the exit.

TURNING POINT

CONCEPT DEVELOPMENT MOOD IMAGE





CONCEPT DEVELOPMENT 'SPIRIT OF PLACE' COLLAGE

04

DESIGN DEVELOPMENT

BUBBLE DIAGRAM

ZONE DIAGRAM

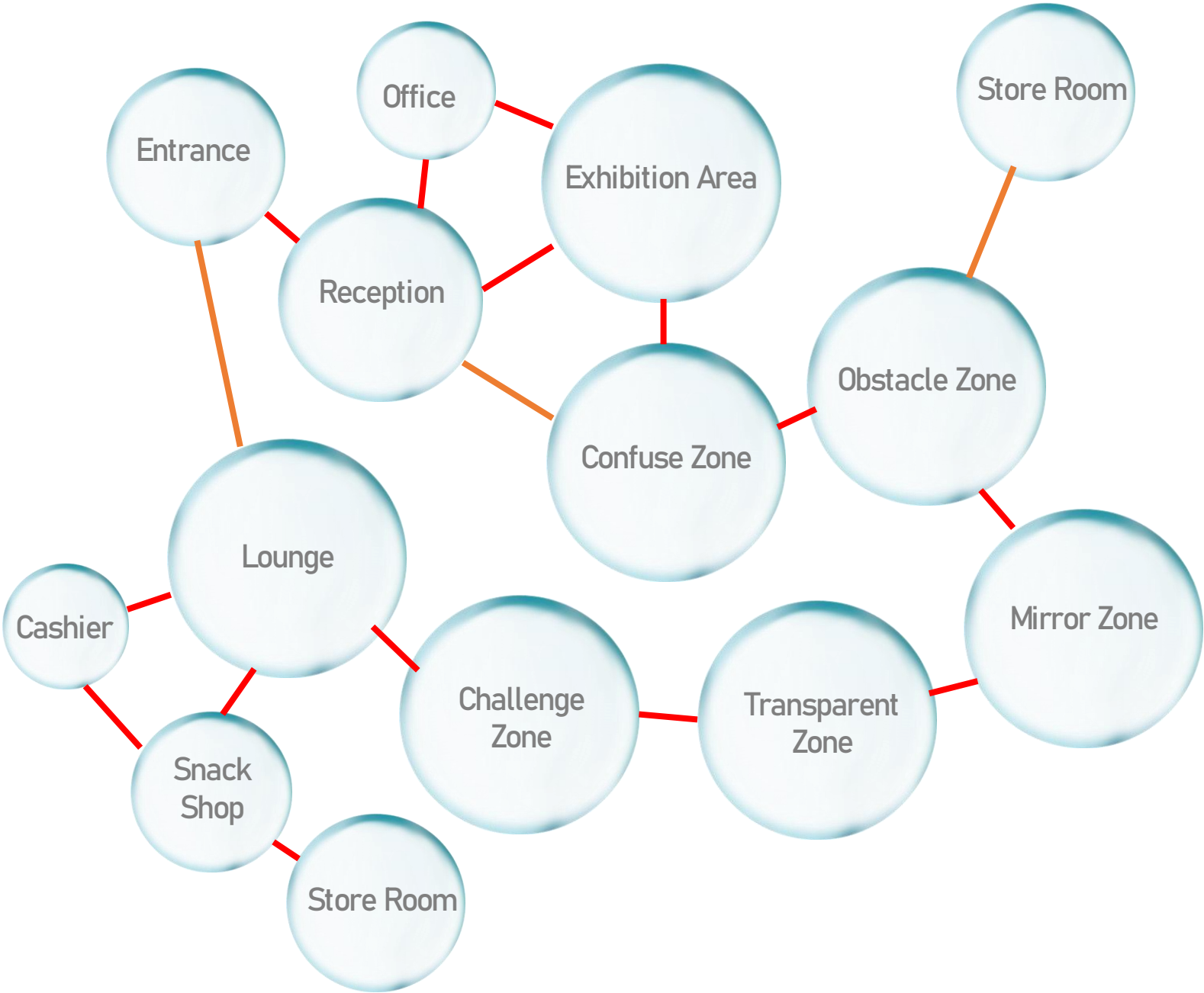
AREA SPECIFICATION

BLOCK DIAGRAM

FLOOR PLAN DEVELOPMENT

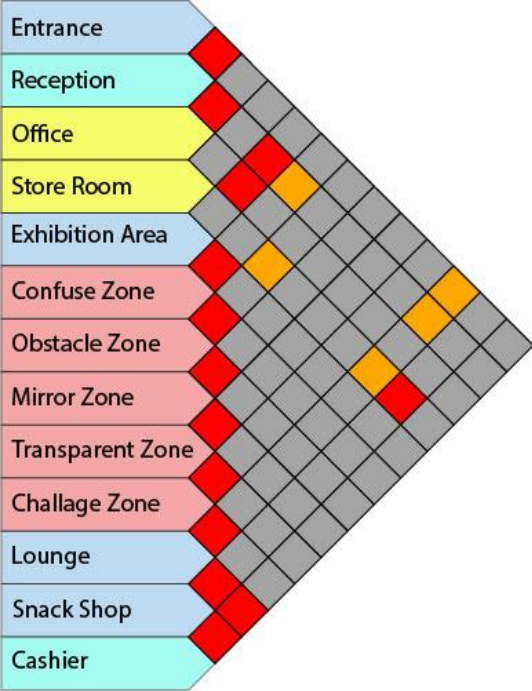
BUBBLE DIAGRAM

DESIGN DEVELOPMENT



DESIGN DEVELOPMENT

MATRIX



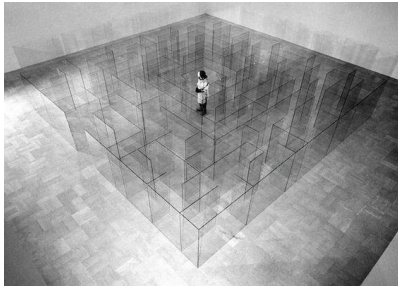
LEGEND

- Red square: ADJACENCY CLOSE
- Orange square: ADJACENCY FAR
- Grey square: PRIVATE
- Yellow square: SEMI – PUBLIC
- Pink square: SEMI – PRIVATE
- Blue square: PUBLIC

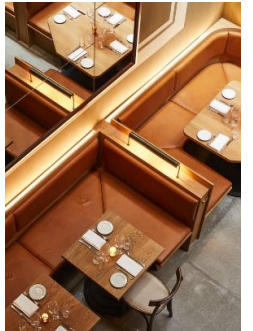
DESIGN DEVELOPMENT

ZONE DIAGRAM

REFERENCE IMAGE



REFERENCE IMAGE



REFERENCE IMAGE



AREA SPECIFICATION

DESIGN
DEVELOPMENT

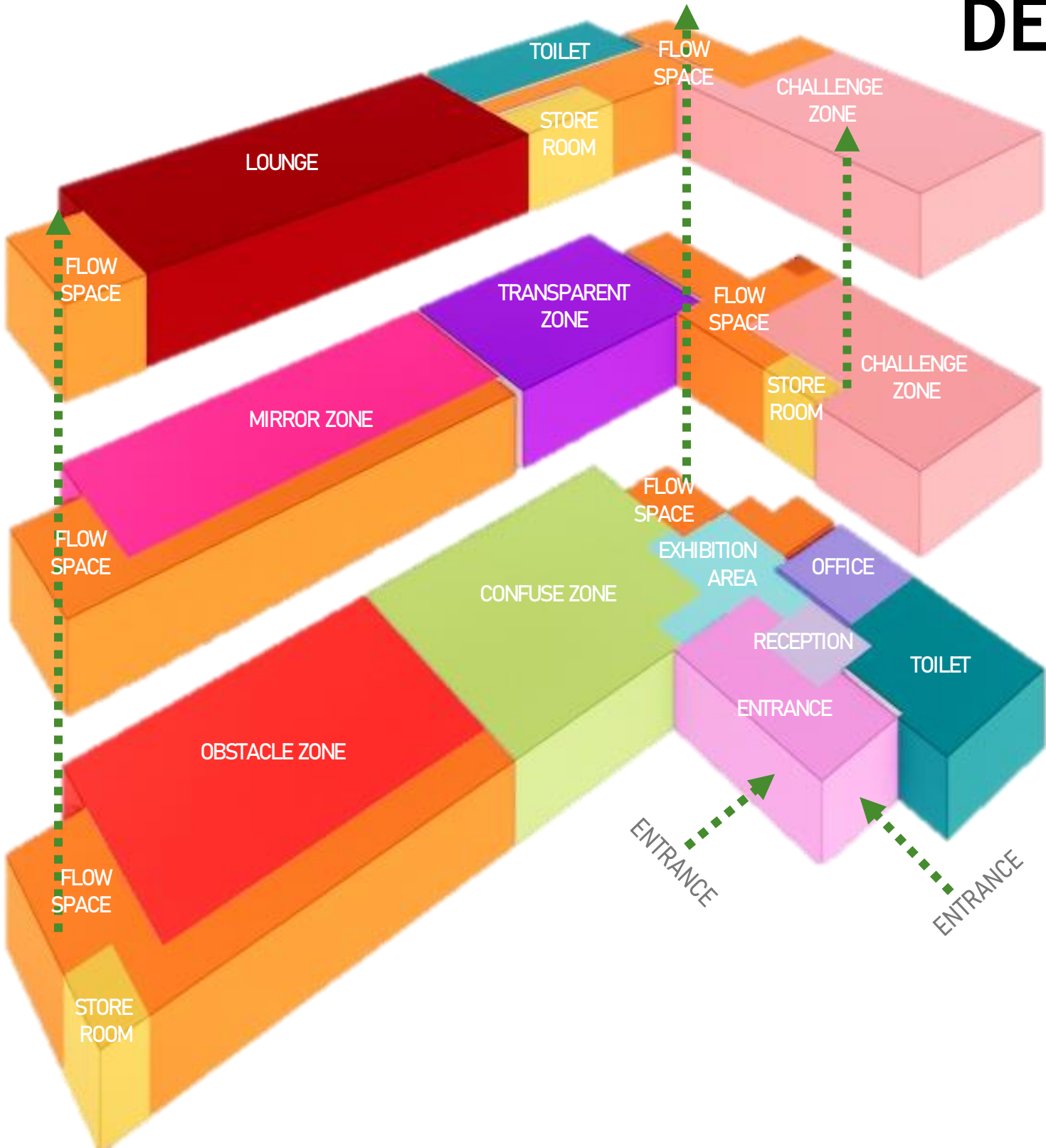
LEGEND

- PRIVATE
- SEMI – PUBLIC
- SEMI – PRIVATE
- PUBLIC

Area Name	Size (Sqm)	Size (%)	Function	Equipment & Facilities	Furniture	Open Hours	Staff No.
Entrance	24	3.7 %	/	Air conditioner	/	09:00-18:00	/
Reception	11	1.5%	Welcoming	computer/ Air conditioner	Desk/ Chair	09:00-18:00	2
Office	17	2.2%	/	Computer/ Printer/Air conditioner	Desk/ Chair	09:00-18:00	4
Store Room	7	1%	/	Air conditioner	Shelf	09:00-18:00	/
Lounge	101	13.6%	Eating/ reading/ relaxing/ rest	Air conditioner/ Projector	Table / Chair	09:00-18:00	/
Snack Shop	13	1.7%	Provide the food & drink	CCTV/ Fridge/ Air conditioner	/	09:00-18:00	/
Cashier	5	1%	/	CCTV/POS/ Air conditioner	Chair	09:00-18:00	1
Exhibition Area	20	3.2%	For guest know more the experience center	CCTV/ Air conditioner	/		/
Confuse Zone	135	18.1%	Let the guest to face the confusion feel (reflect to the young age)	CCTV/ Air conditioner	/	09:00-18:00	/
Obstacle Zone	142	19.1%	Let the guest to feel the rugged life (reflect to the adulthood into the society)	CCTV/ Air conditioner	/	09:00-18:00	/
Mirror Zone	106	14.3%	Let the guest to look themselves in different angle (reflect to the middle aged)	CCTV/ Air conditioner	/	09:00-18:00	/
Transparent Zone	78	10.5%	Let the guest to know the right direction (reflect to the elderly aged)	CCTV/ Air conditioner	/	09:00-18:00	/
Challenge Zone	83	11.2%	Climbing to Face to your guts (step into next level of your life)	CCTV/ Air conditioner	/	09:00-18:00	/

BLOCK DIAGRAM

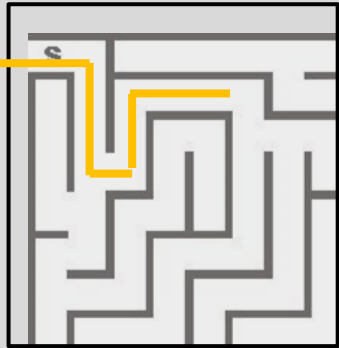
DESIGN DEVELOPMENT



LEGEND		
24 SQM	ENTRANCE	
11 SQM	RECEPTION	
17 SQM	OFFICE	
7 SQM	STORE ROOM	
119SQM	LOUNGE	
20 SQM	EXHIBITION AREA	
135 SQM	CONFUSE ZONE	
142 SQM	OBSTACLE ZONE	
106 SQM	MIRROR ZONE	
78 SQM	TRANSPARENT ZONE	
83SQM	CHALLENGE ZONE	
76 SQM	TOILET	
214 SQM	FLOW SPACE	
←	PATH FOR GUEST	

DESIGN ELEMENTS

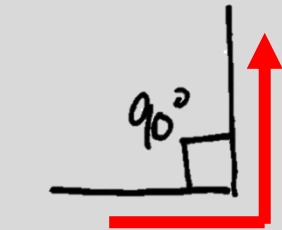
WHEN YOU PLAY THE MAZE, THERE IS USUALLY 90 DEGREE AND THEN YOU TURNS.



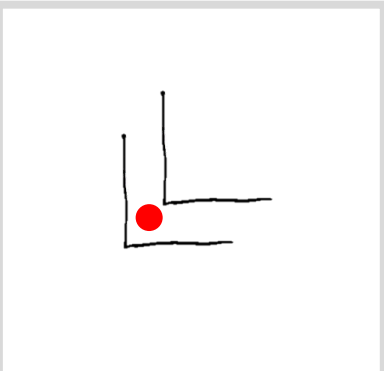
THIS IS THE FIRST TURN

THIS IS THE SECOND TURN THE OTHER WAY

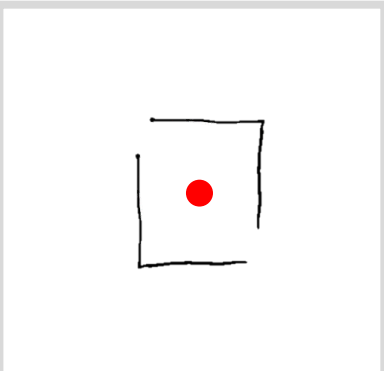
THIS IS THE THIRD TURN AND FOURTH TURN



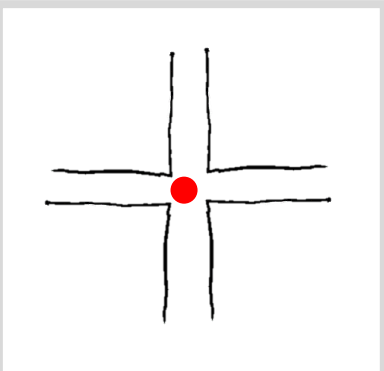
THEY ARE ON 90 DEGREE.



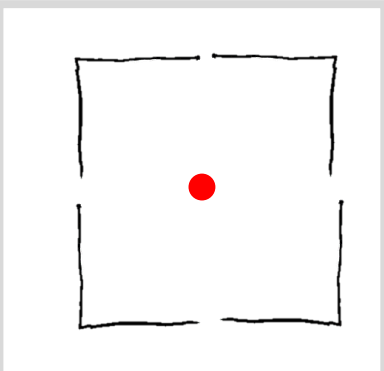
2 CORNER INVERSE CAN CREATE A PATH



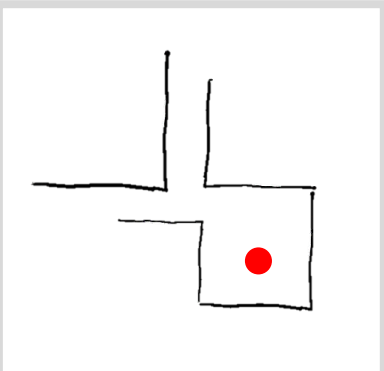
2 CORNER OUTVERSE CAN CREATE A SMALL SPACE



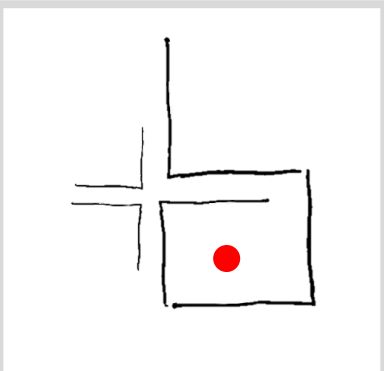
4 CORNER INVERSE CAN CREATE 4 PATH



4 CORNER OUTVERSE CAN CREATE A LARGE SPACE



4 CORNER IN DIFFERENCE SCALE, CAN CREATE A PATH AND SPACE



5 CORNER IN DIFFERENCE SCALE, CAN CREATE A PATH AND SPACE

LINE 1200mm 1200mm

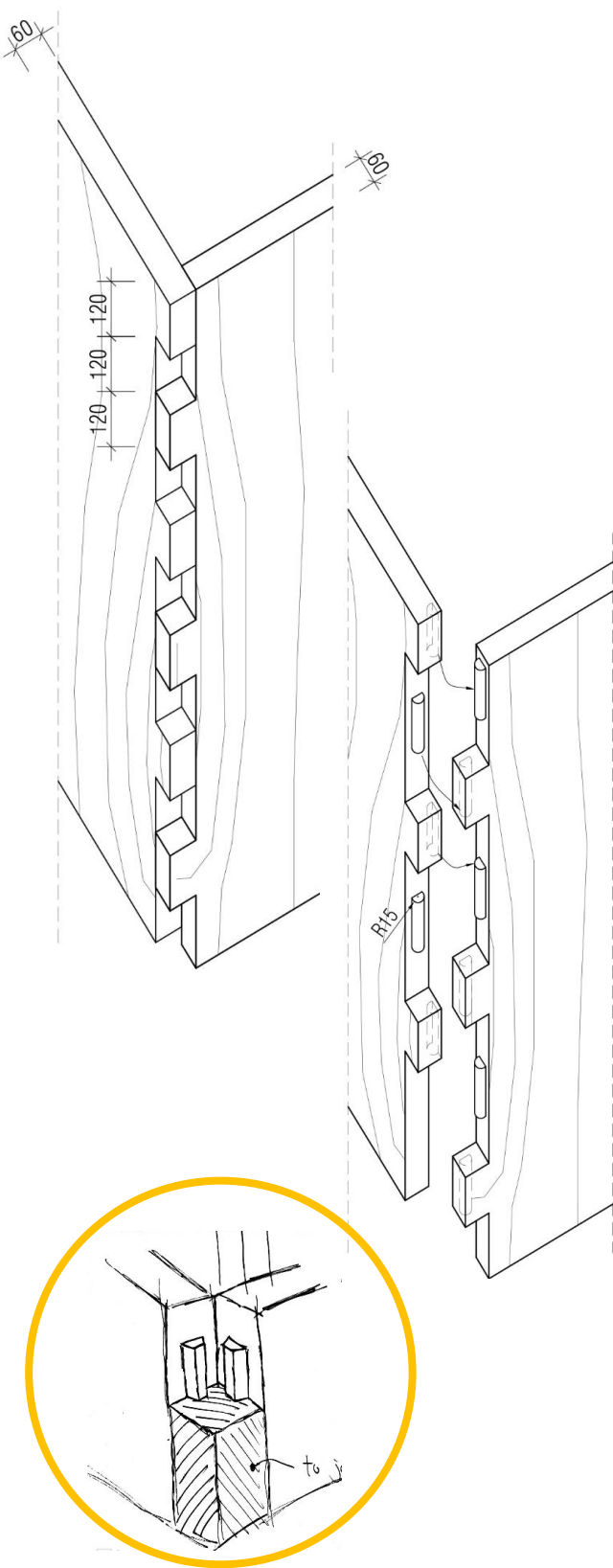
SPACE 1200mm 1200mm

1.4 SQM

2400mm H

2.8 SQM

1200mm 1200mm



DESIGN PROPOSAL

FLOOR PLAN

DEVELOPMENT

GF
FLOOR PLAN



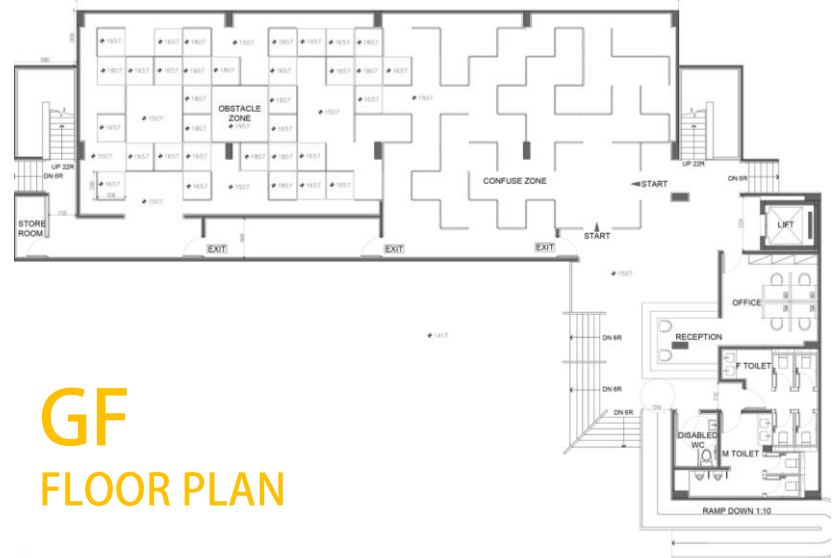
1F
FLOOR PLAN



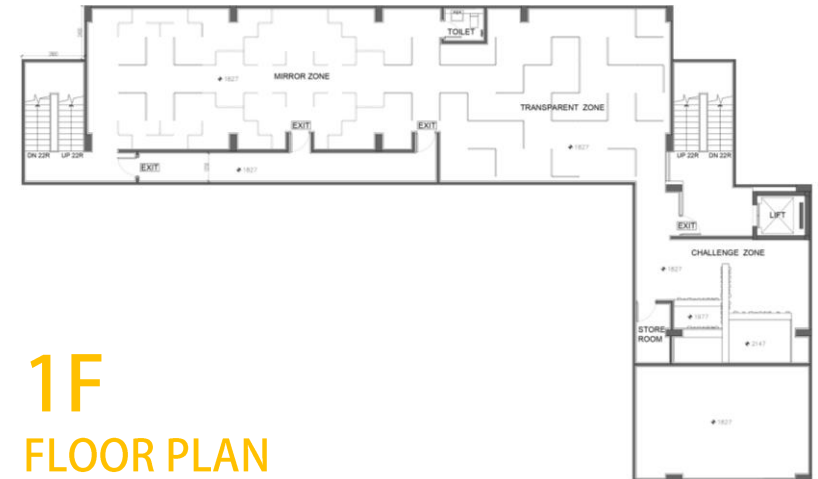
2F
FLOOR PLAN



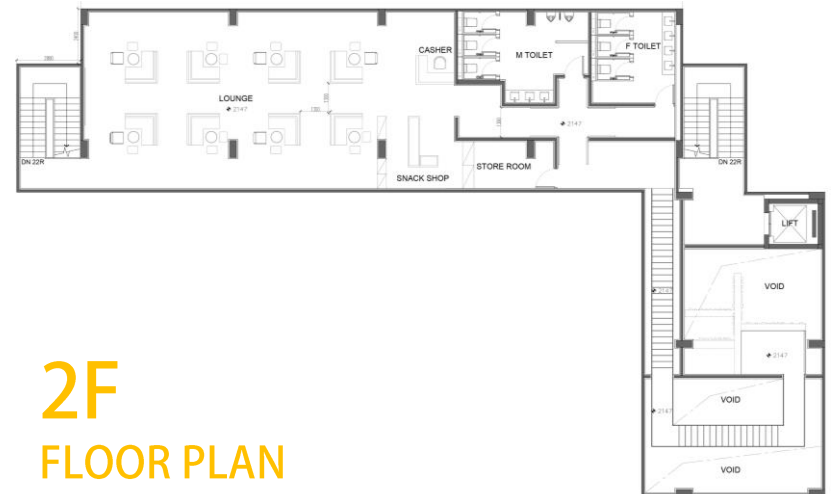
GF
FLOOR PLAN



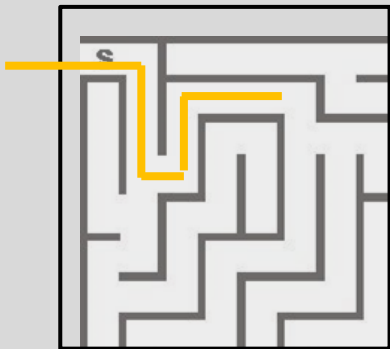
1F
FLOOR PLAN



2F
FLOOR PLAN



WHEN YOU PLAY THE MAZE,
THERE IS USUALLY 90 DEGREE
AND THEN YOU TURNS.



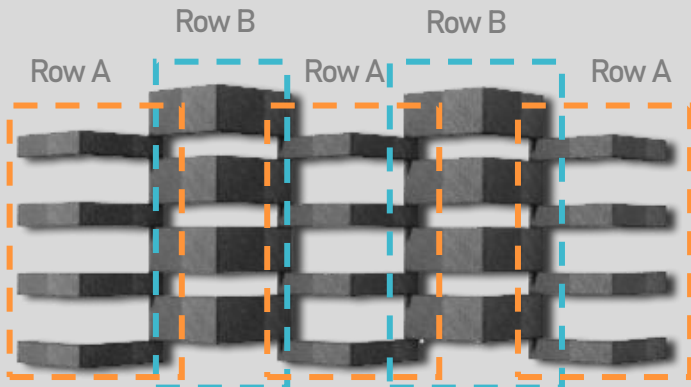
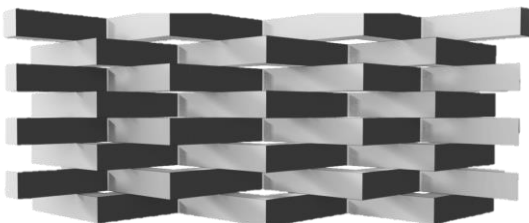
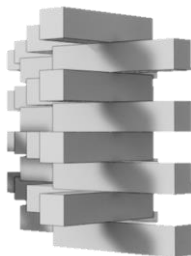
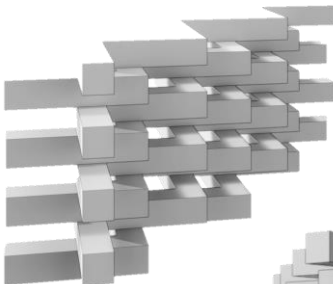
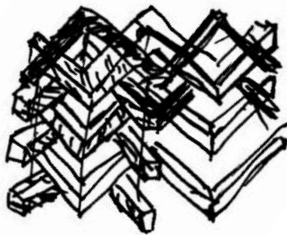
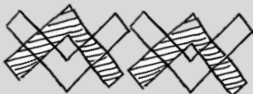
DEAD END = RESTART

REPEAT

LINE

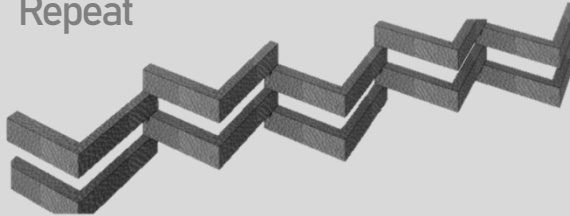


FORM

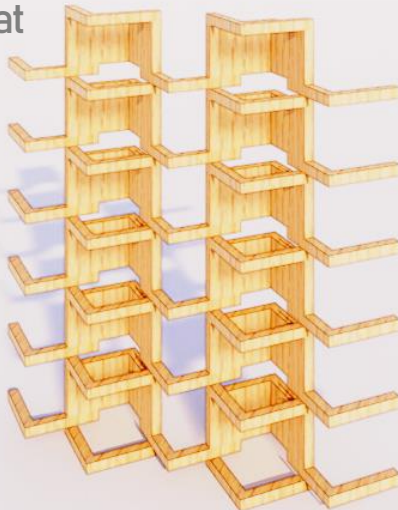


When Row A in 10mmH and Row B in 20mmH

Repeat



Repeat



THE PROTOTYPE DEVELOPMENT

05

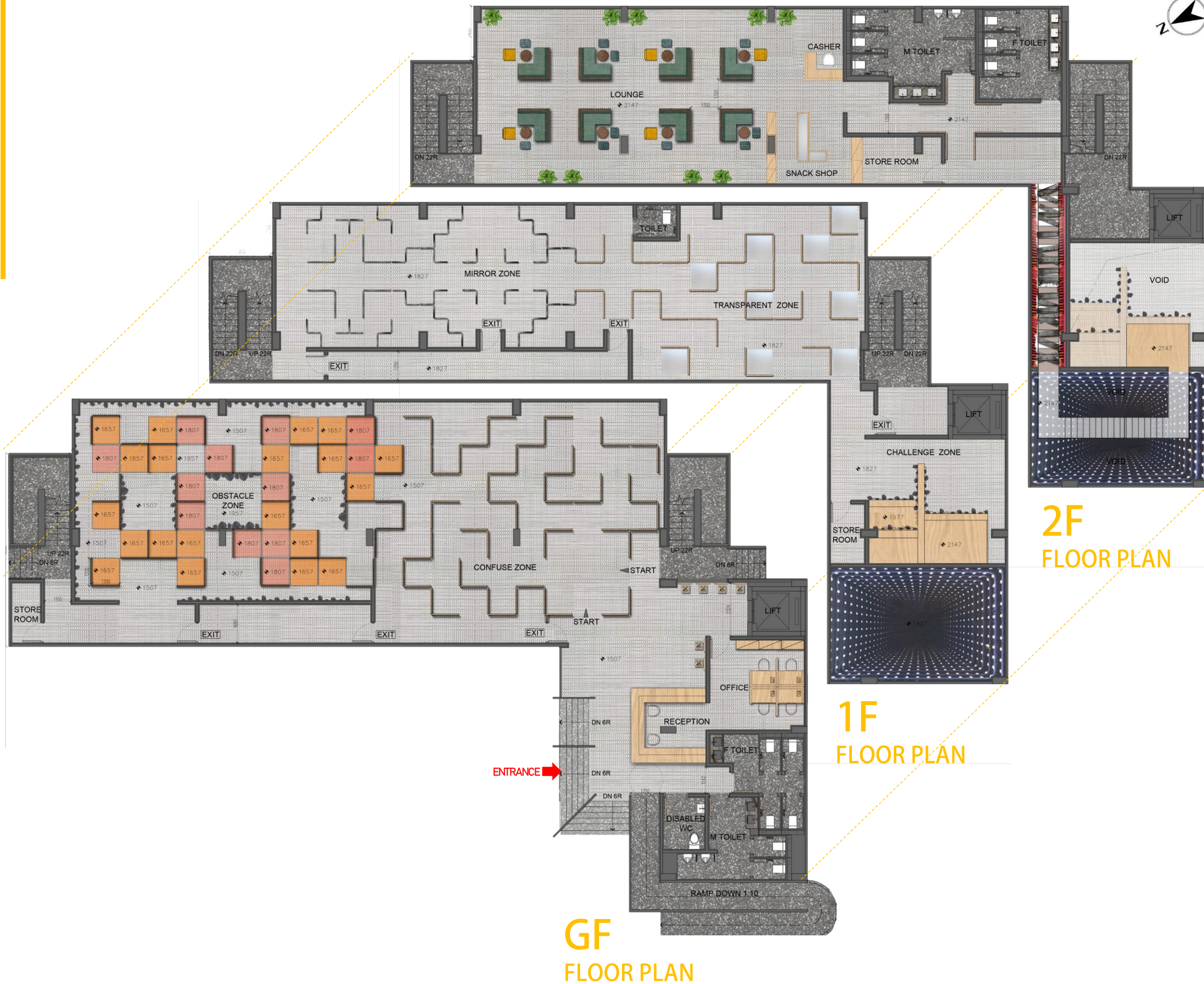
DESIGN PROPOSAL

FLOOR PLAN

SPACE RENDERING

DESIGN PROPOSAL

FLOOR PLAN



FACADE



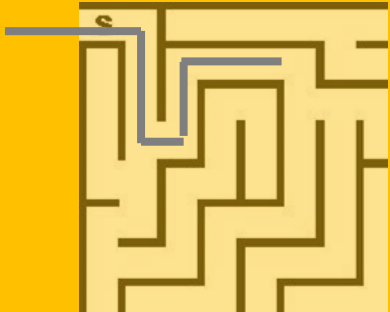
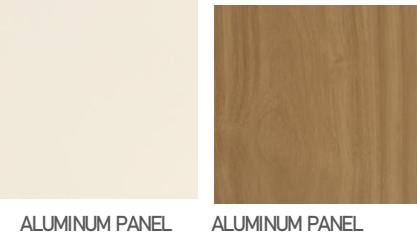
REFERENCE IMAGE



DESIGN ELEMENT



MATERIAL



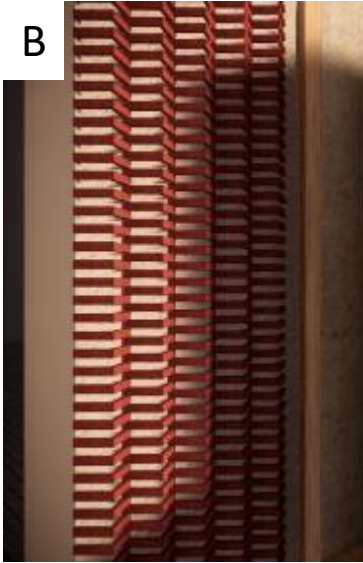
For the Façade design, applied the REPEAT design element “90 degree” turning point for the wall.

A



Provide a space for exhibition. To display about the Scout Center background and the design concept for this experience center.

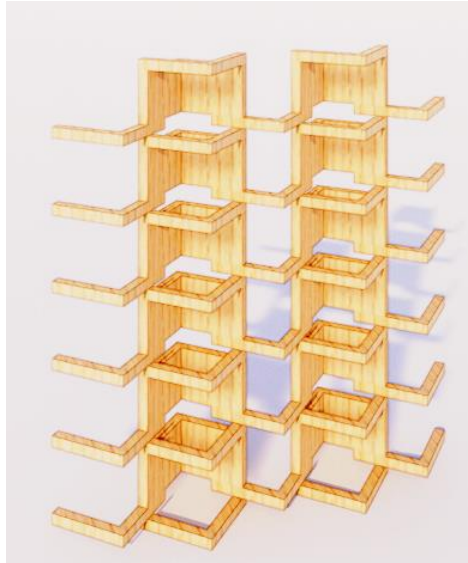
WALL PANEL DETAIL



EXHIBITION AREA



RECEPTION DETAIL

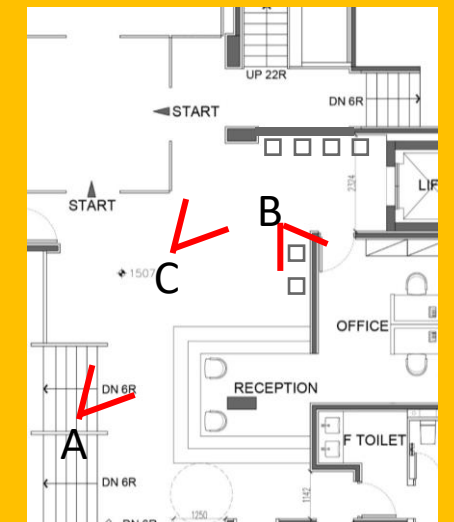


MATERIAL

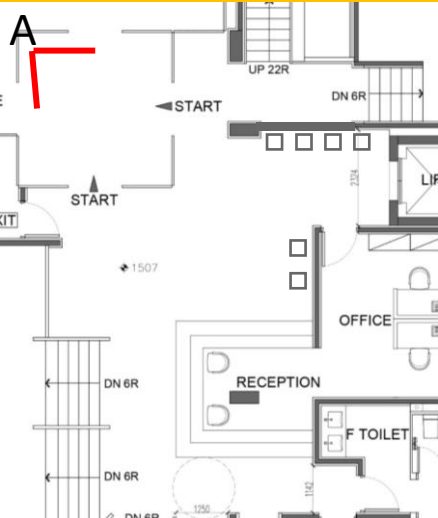


ENTRANCE RECEPTION

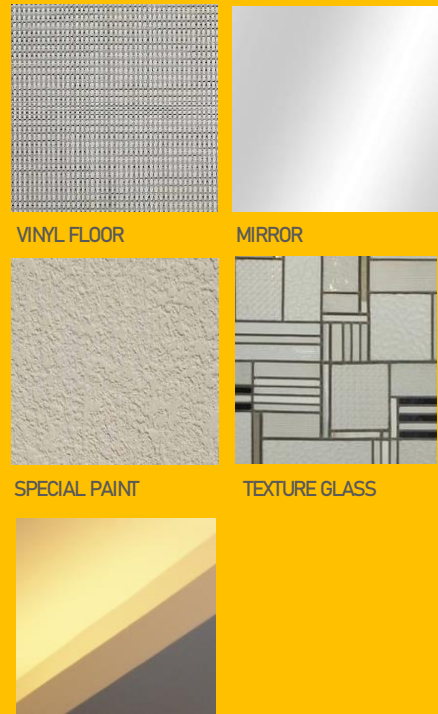
GF FLOOR PLAN



GF FLOOR PLAN



MATERIAL

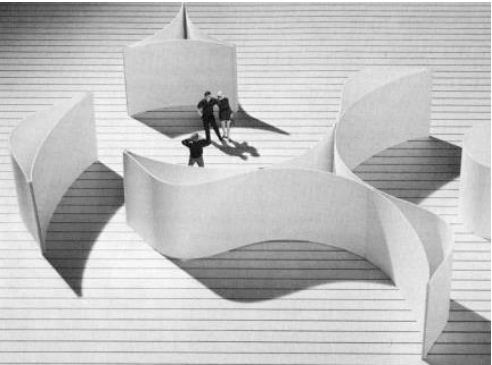


LIGHT TROUGH
INDIRECT LIGHT

TRANSITION



REFERENCE IMAGE

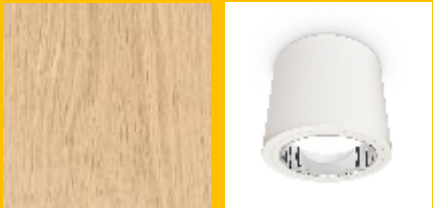


Before to start, the student will come to this area briefing. To know what is the task today for them to achieve.

MATERIAL



VINYL FLOOR SPECIAL PAINT WALLCOVERING

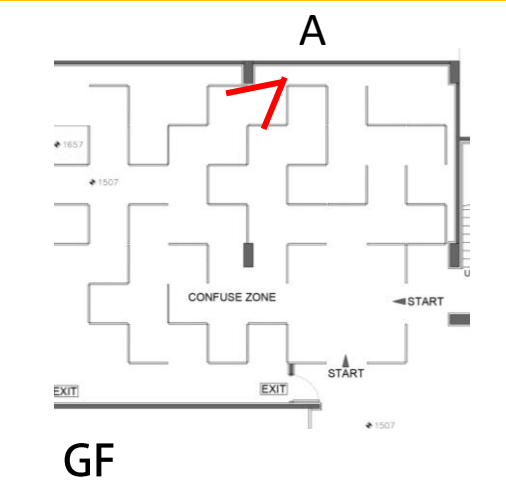


WOOD VENEER Surface mounted Direct Light

CONFUSE ZONE



GF FLOOR PLAN



REFERENCE IMAGE

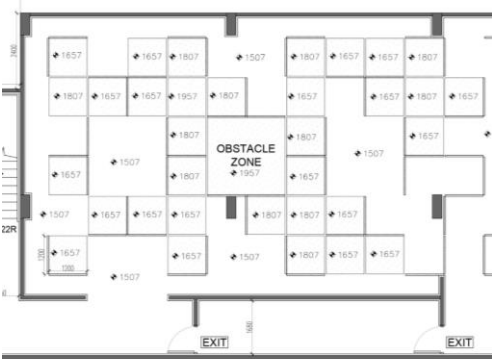


PANEL DESIGN

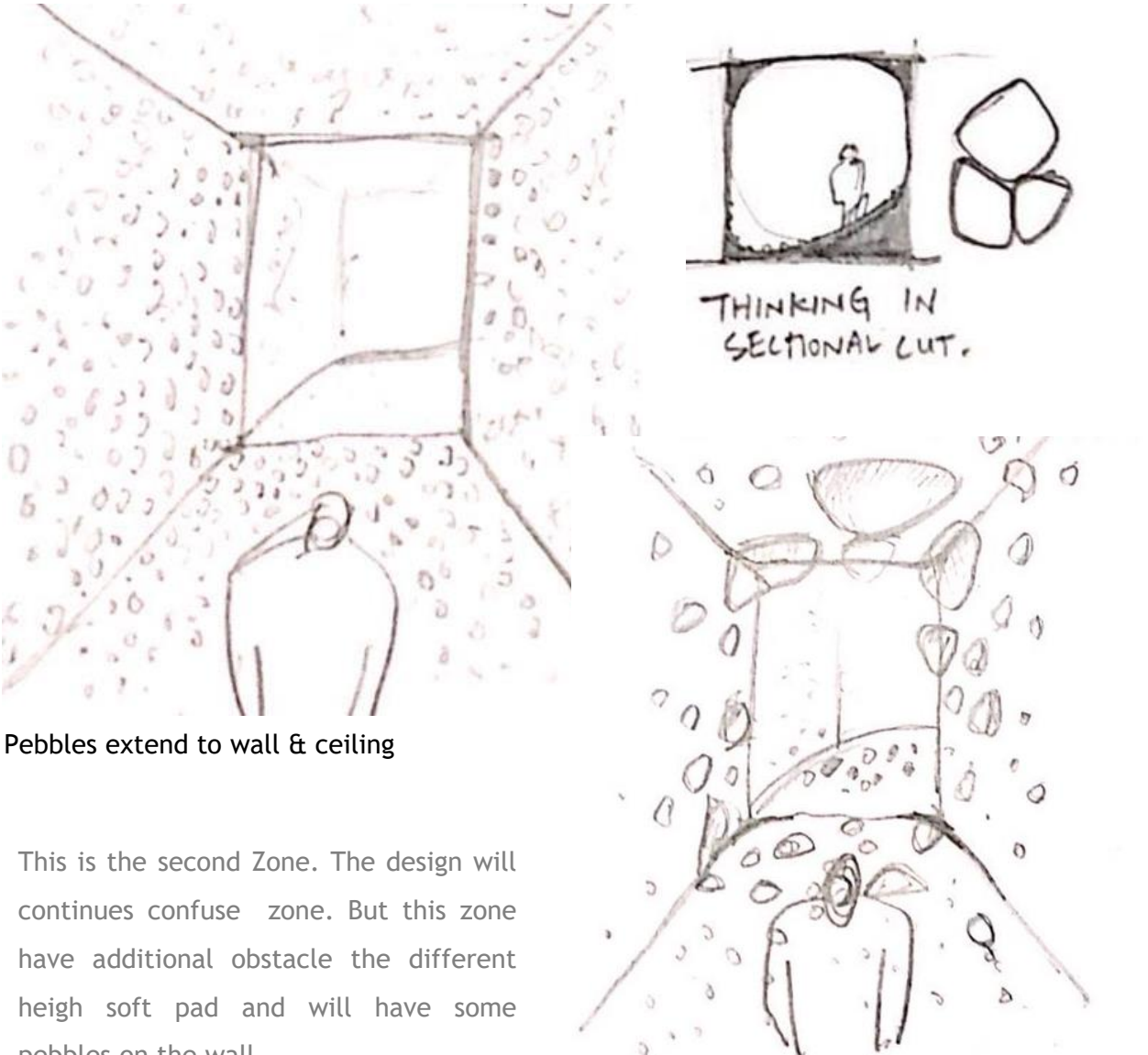


This is the first Zone. The design is using same wood panel to create the space , make it look like maze to let student confuse and get lost. But at the same time also have some decorated screen combine with the LED tough screen. People need to answer the question on the screen.

REFERENCE IMAGE



GF



Pebbles extend to wall & ceiling

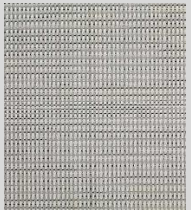
This is the second Zone. The design will continues confuse zone. But this zone have additional obstacle the different heigh soft pad and will have some pebbles on the wall.

Enlarge the scale of Pebbles

OBSTACLE ZONE

SKETCH

MATERIAL



VINYL FLOOR



SPECIAL PAINT



WALLCOVERING



WOOD VENEER



VINYL

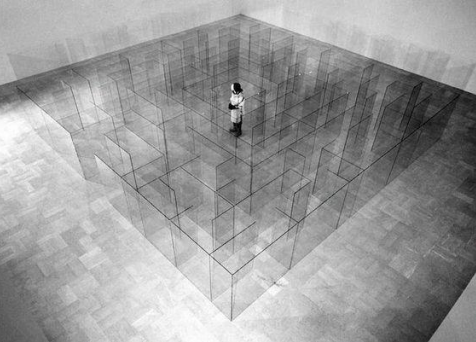


Surface mounted Direct Light

MIRROR ZONE

SKETCH

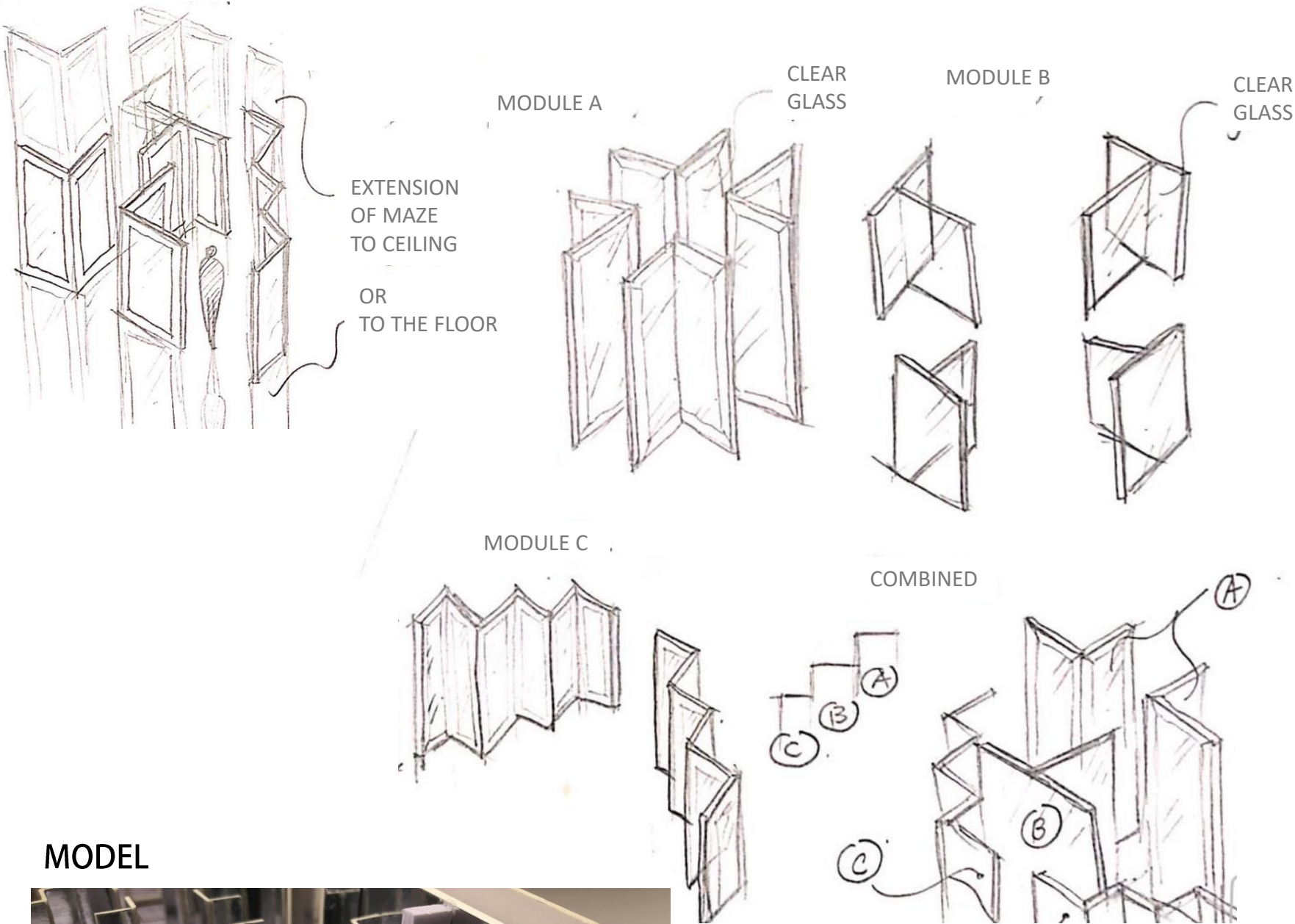
REFERENCE IMAGE



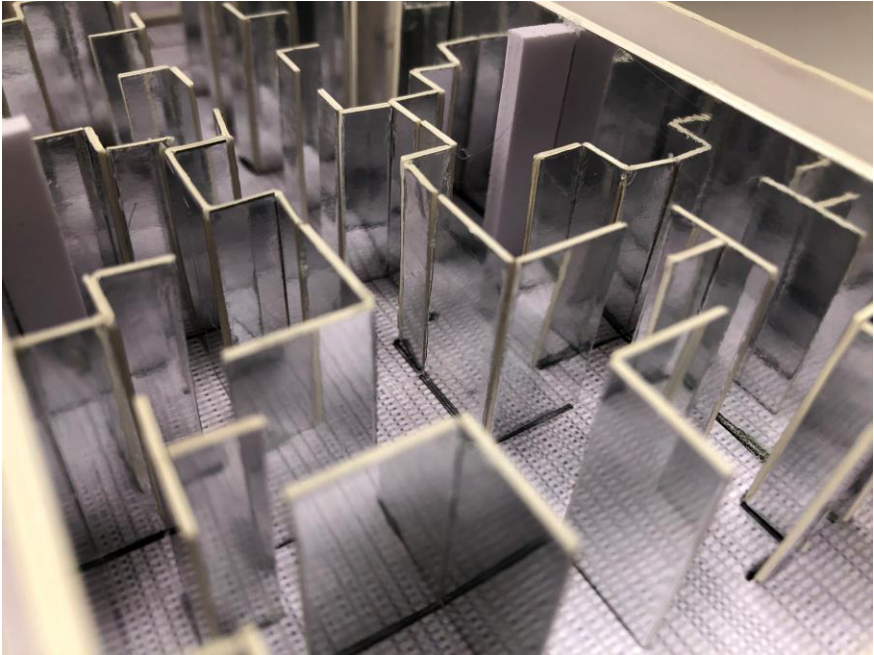
MATERIAL



VINYL FLOOR MIRROR SPECIAL PAINT



MODEL



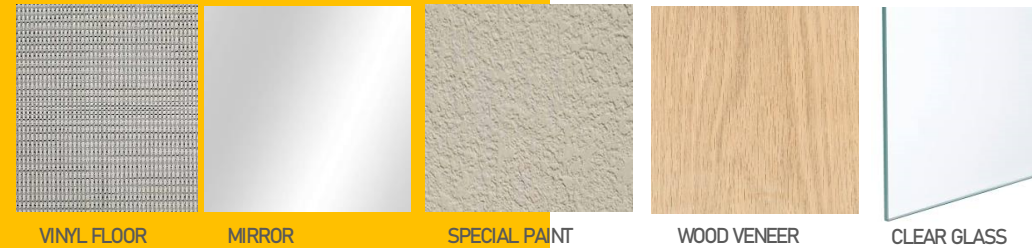
1F



E

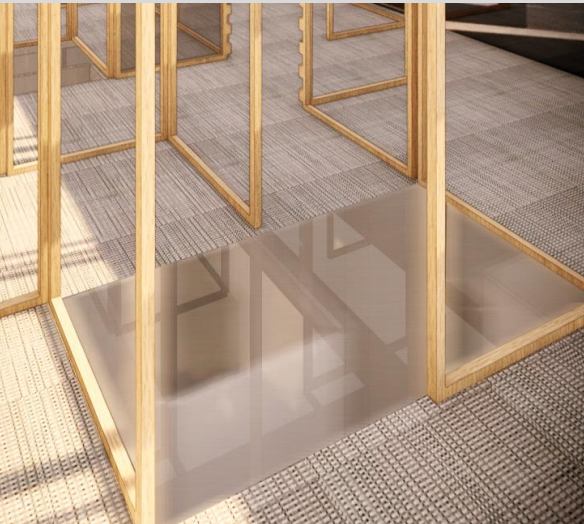
TRANSPARENT SPACE

MATERIAL

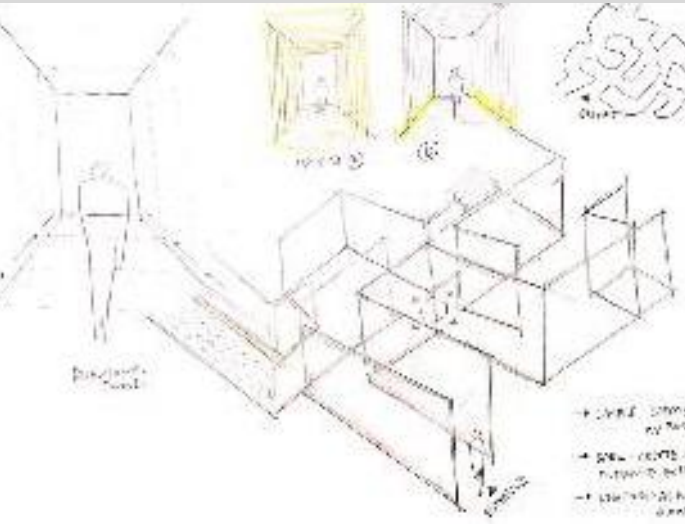


VINYL FLOOR MIRROR SPECIAL PAINT WOOD VENEER CLEAR GLASS

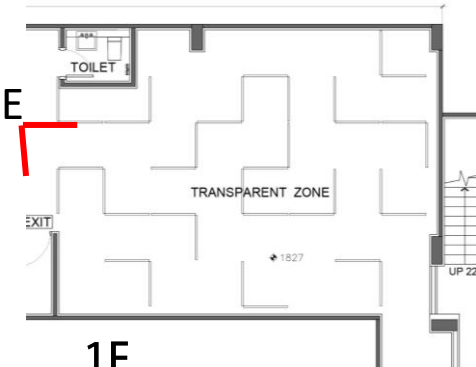
FLOOR DESIGN



SKETCH



REFERENCE



1F

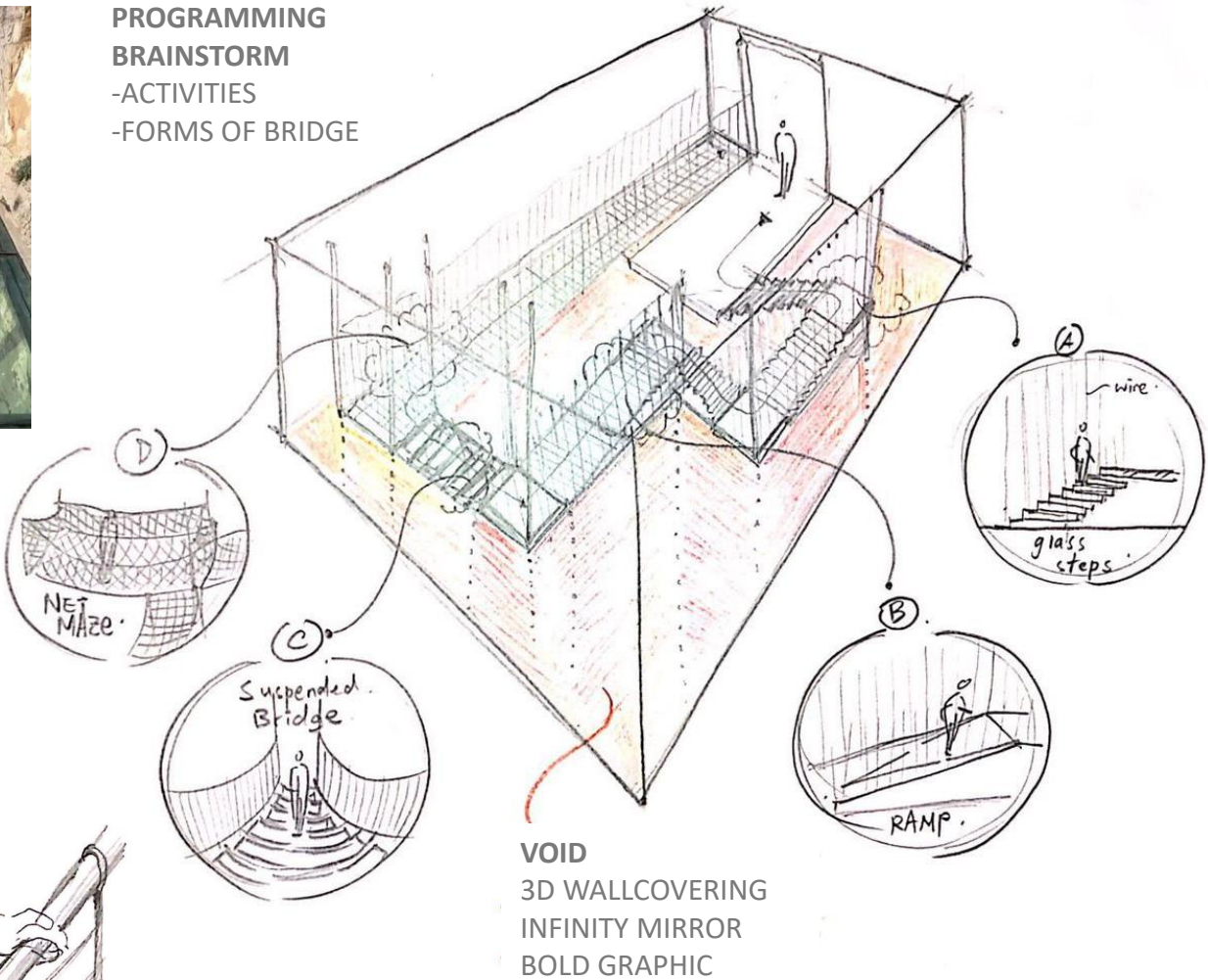
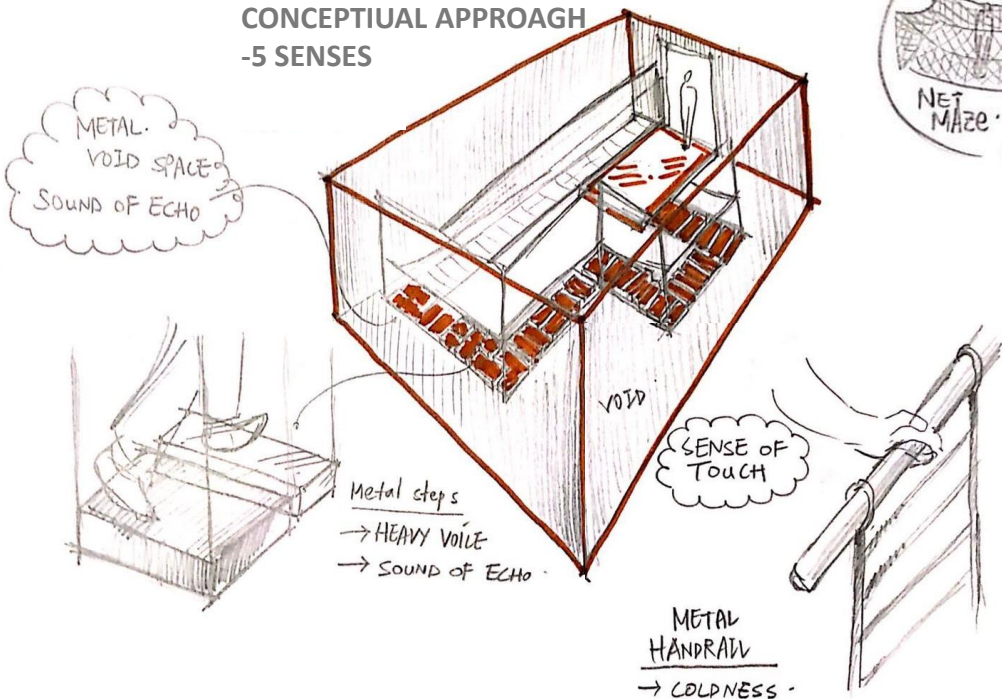
CHALLENGE ZONE

SKETCH

REFERENCE IMAGE



PROGRAMMING
BRAINSTORM
-ACTIVITIES
-FORMS OF BRIDGE

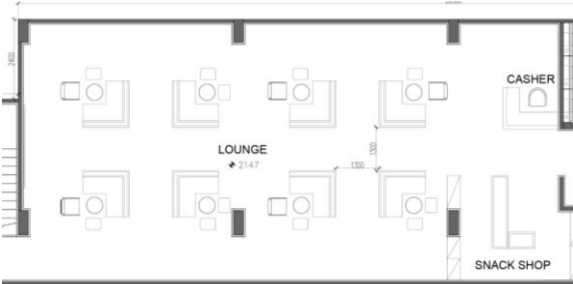




REFERENCE IMAGE



MATERIAL



06

MATERIAL & DETAILING

MATERIAL BOARD

PROTOTYPE DETAIL

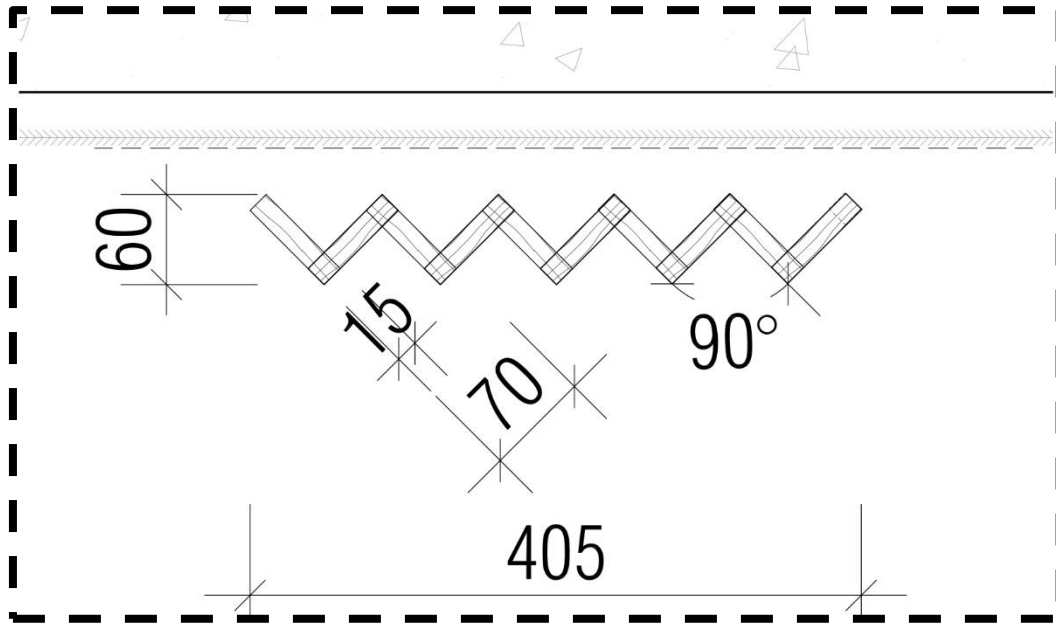
MATERIAL BOARD



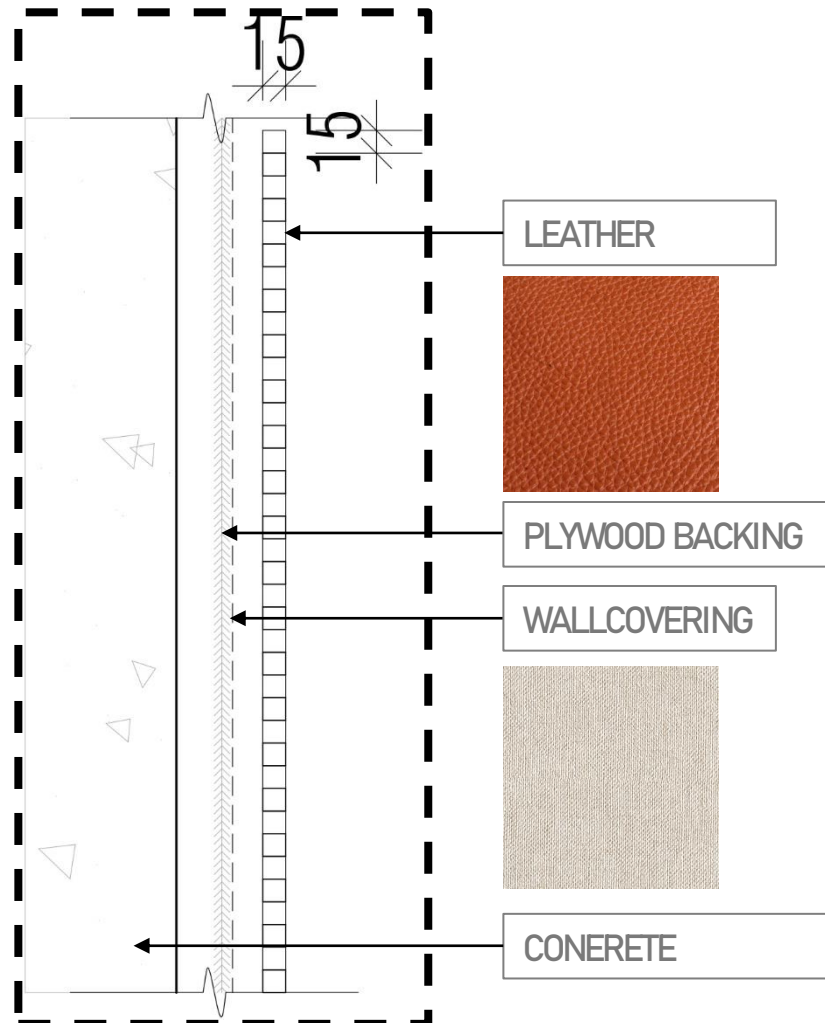
- A. GENERAL WOOD VENEER
- B. INFINITU GLASS
- C. FROSTED GLASS
- D. LEATHER
- E. VINYL FLOORING
- F. SPECIAL PAINT
- G. GENERAL WHITE PAINT
- H. MIRROR
- I. FROSTED GLASS
- J. GENERAL WALL COVERING

MATERIAL & DETAILING

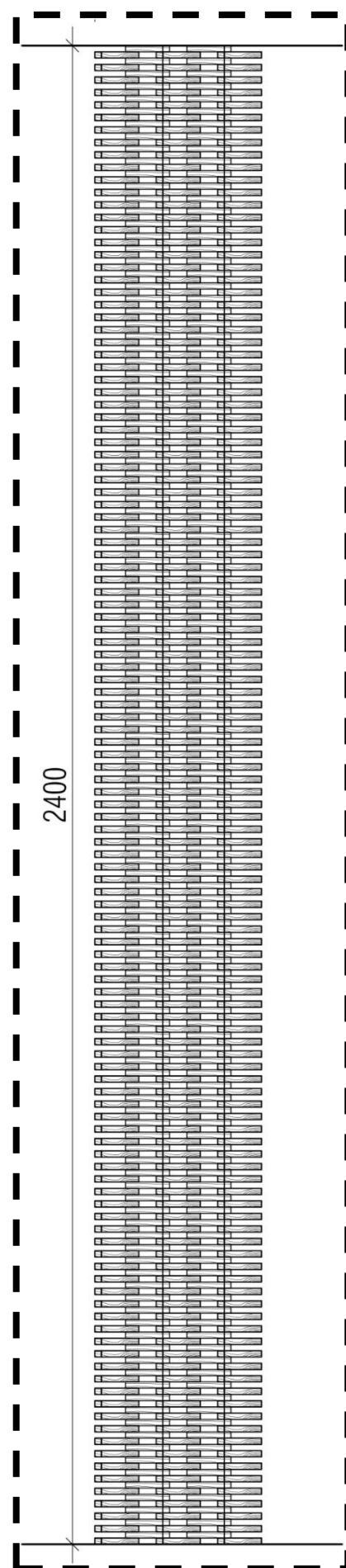
PROTOTYPE DETAIL



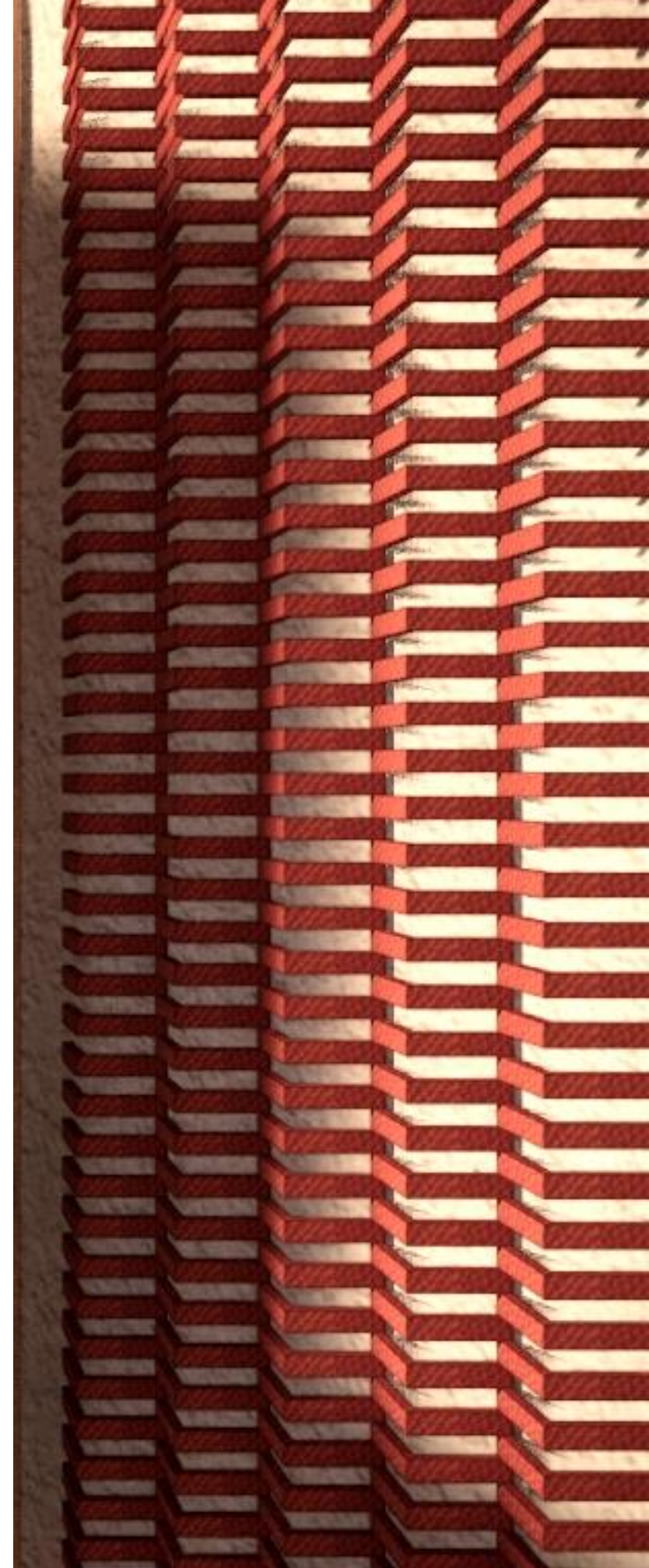
FEATURE WALL DETAIL (Scale 1:5)



SECTION FEATURE WALL (Scale 1:5)



FEATURE WALL ELEVATION (Scale 1:10)

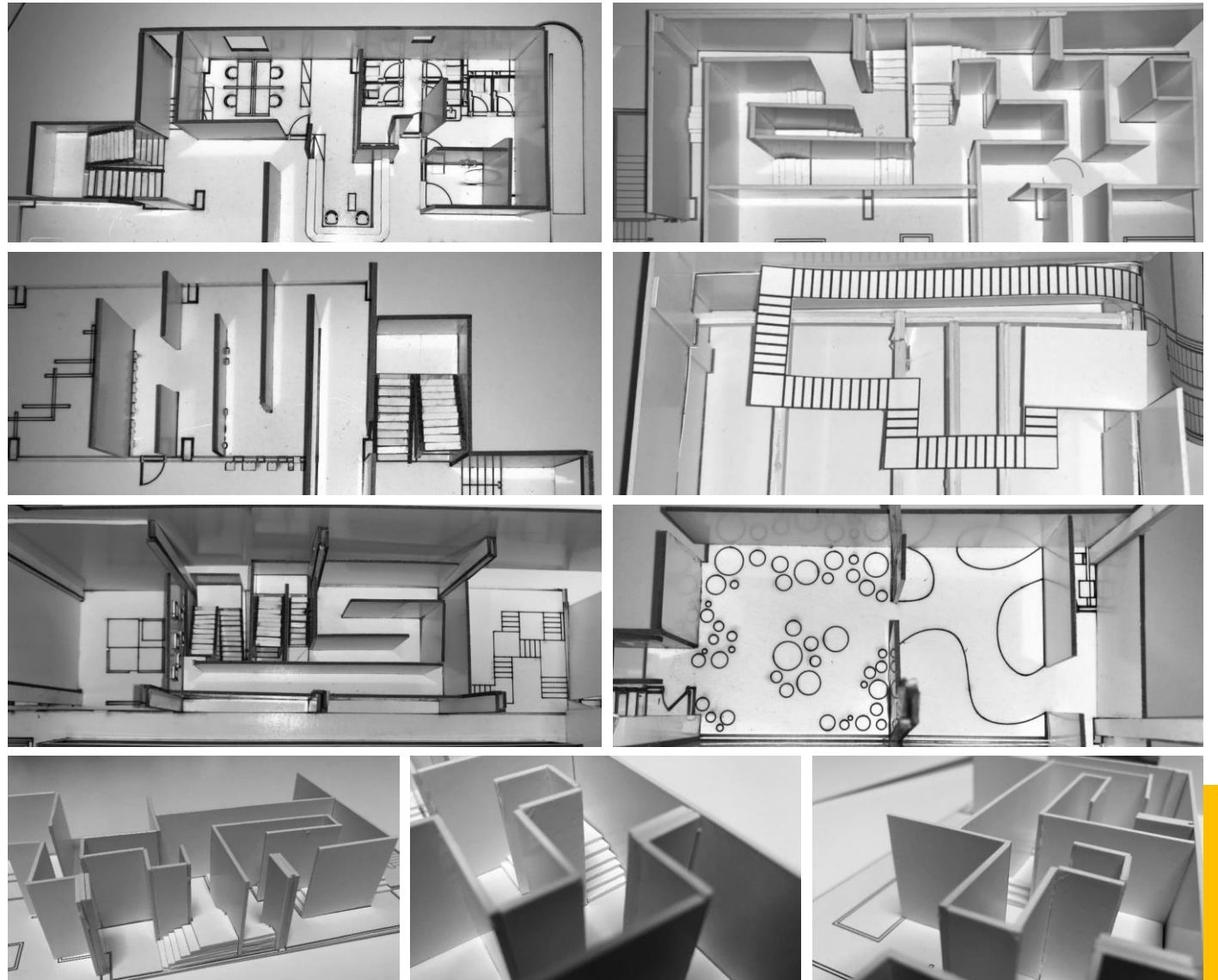


07

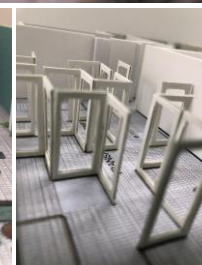
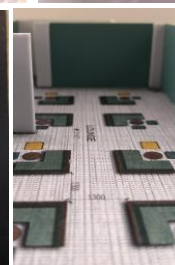
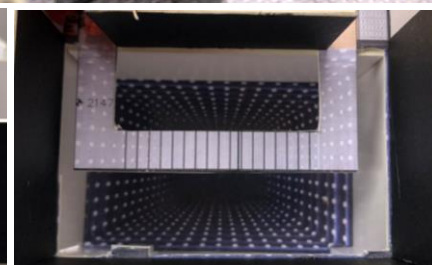
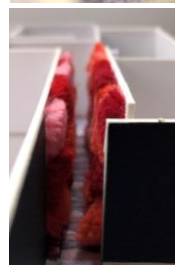
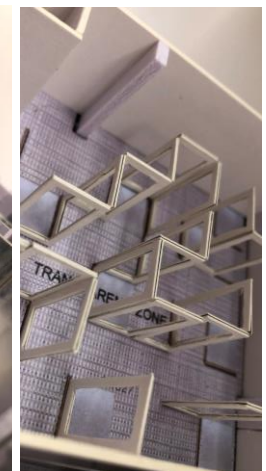
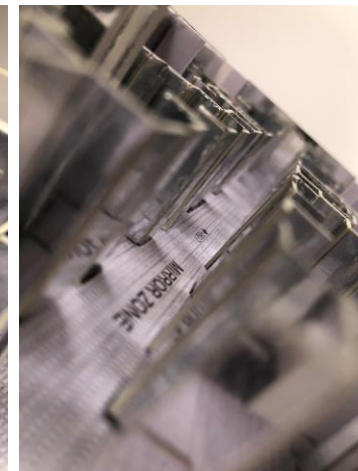
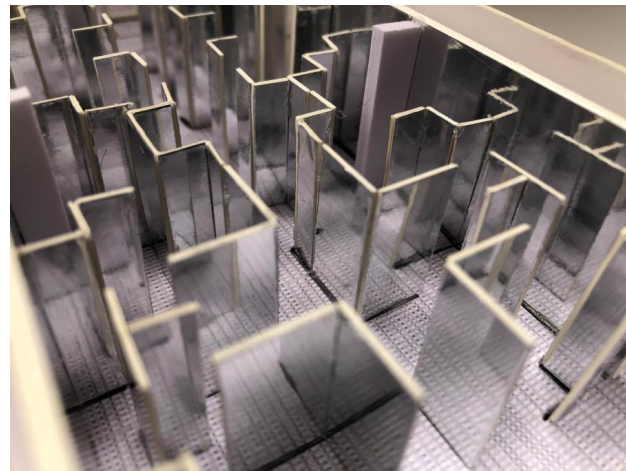
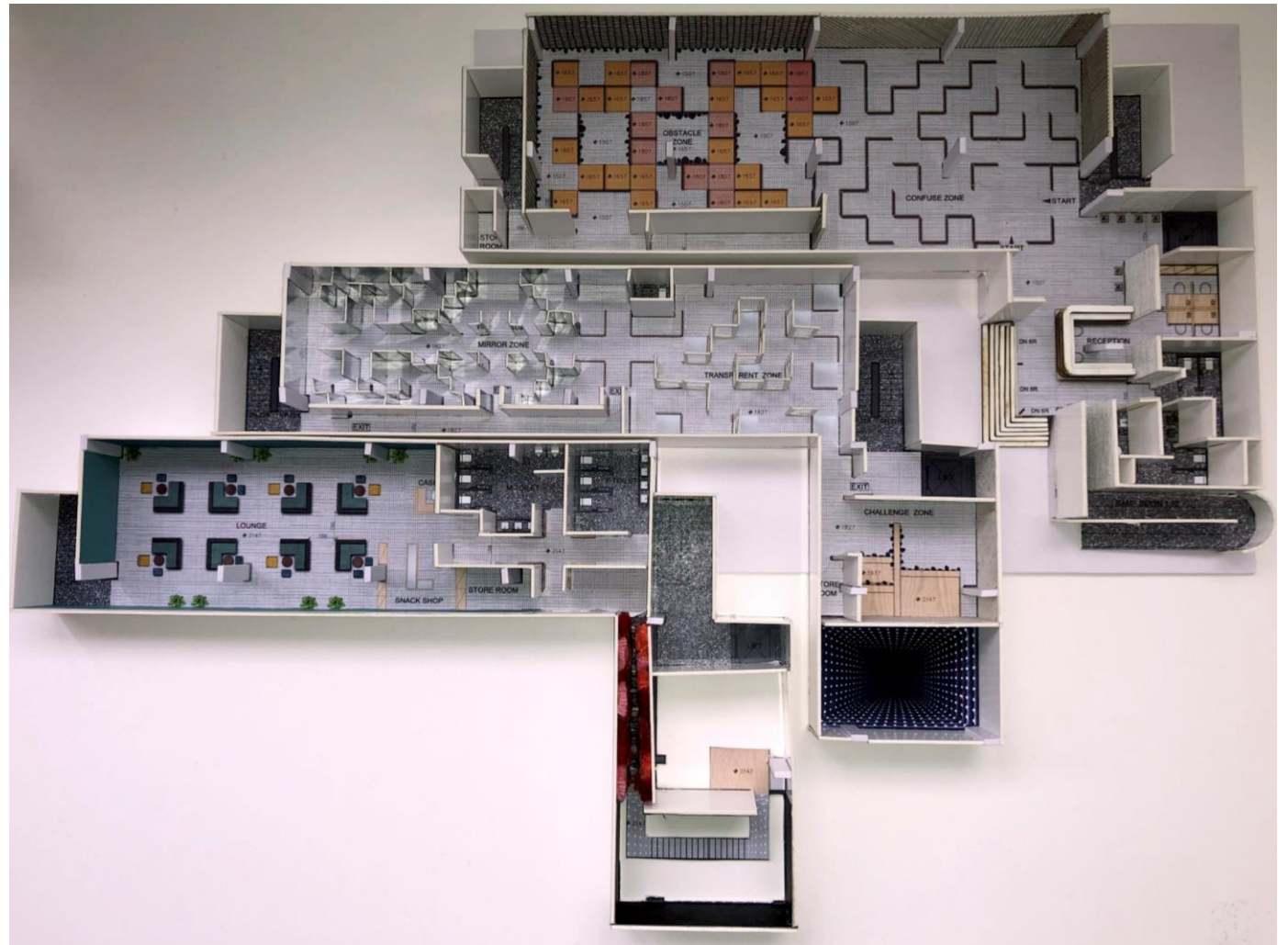
MODEL

STUDY MODEL PHOTO
PROJECT MODEL PHOTO
PROTOTYPE

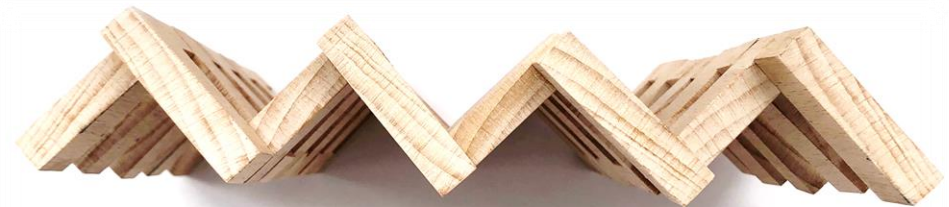
MOCK UP MODEL



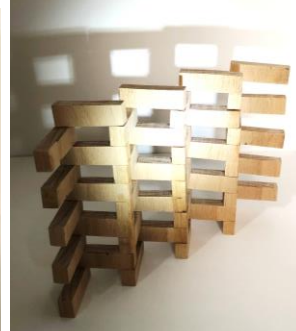
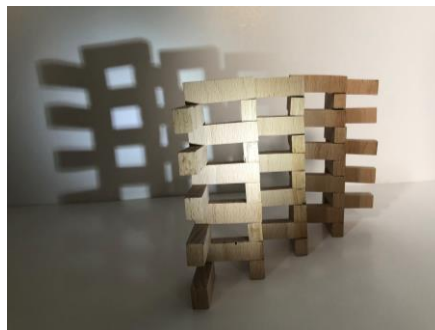
MODEL



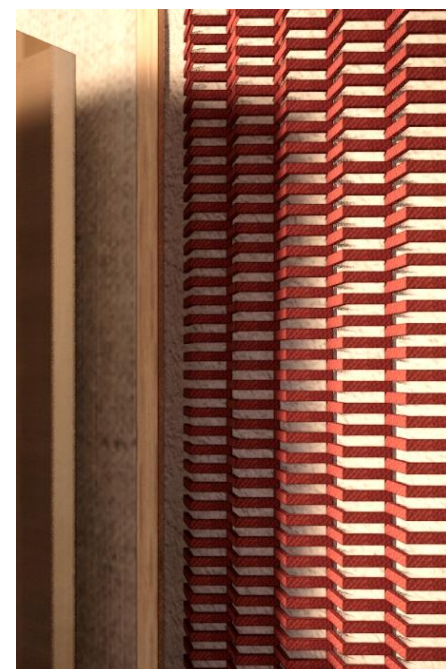
PROTOTYPE PHOTO



LIGHTING TESTING



RENDERING



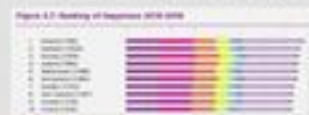
EXPERIENCE DISCOVER EXPLORE CENTER

UNIVERSITY OF PORTSMOUTH BA (HONORARIUM) ARCHITECTURE LEVEL 2, HONGKONG YEAR 2019-2020
NAME: LEE KAI LEE (JOYFUL) GINTI 512, NAJIB PROJECT

TOPIC ISSUES

"Young people's lives in Hong Kong are not easy. They do not have comfortable lives in this affluent society, and they each bear their own pressure."

Over the years, as the Hong Kong education system has developed, the pressure on students to perform well has increased. This pressure is not only from the school but also from the parents. The pressure is not only from the school but also from the parents. The pressure is not only from the school but also from the parents.



AIM

Designing an experience center to allow students to self-experience, self-discover, and self-explore. Through different zones, learning through play, so that students increase their interest in learning, thereby reducing the stress of learning.

OBJECTIVE

Walking into different zones, to experiences, to challenges, to attempts, to find how to make the decision to complete the journey.

SITE PROPOSAL

TAI TAM SCOUT CENTRE HONG KONG

400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000, 1010, 1020, 1030, 1040, 1050, 1060, 1070, 1080, 1090, 1100, 1110, 1120, 1130, 1140, 1150, 1160, 1170, 1180, 1190, 1200, 1210, 1220, 1230, 1240, 1250, 1260, 1270, 1280, 1290, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, 1430, 1440, 1450, 1460, 1470, 1480, 1490, 1500, 1510, 1520, 1530, 1540, 1550, 1560, 1570, 1580, 1590, 1600, 1610, 1620, 1630, 1640, 1650, 1660, 1670, 1680, 1690, 1700, 1710, 1720, 1730, 1740, 1750, 1760, 1770, 1780, 1790, 1800, 1810, 1820, 1830, 1840, 1850, 1860, 1870, 1880, 1890, 1900, 1910, 1920, 1930, 1940, 1950, 1960, 1970, 1980, 1990, 2000, 2010, 2020, 2030, 2040, 2050, 2060, 2070, 2080, 2090, 2100, 2110, 2120, 2130, 2140, 2150, 2160, 2170, 2180, 2190, 2200, 2210, 2220, 2230, 2240, 2250, 2260, 2270, 2280, 2290, 2300, 2310, 2320, 2330, 2340, 2350, 2360, 2370, 2380, 2390, 2400, 2410, 2420, 2430, 2440, 2450, 2460, 2470, 2480, 2490, 2500, 2510, 2520, 2530, 2540, 2550, 2560, 2570, 2580, 2590, 2600, 2610, 2620, 2630, 2640, 2650, 2660, 2670, 2680, 2690, 2700, 2710, 2720, 2730, 2740, 2750, 2760, 2770, 2780, 2790, 2800, 2810, 2820, 2830, 2840, 2850, 2860, 2870, 2880, 2890, 2900, 2910, 2920, 2930, 2940, 2950, 2960, 2970, 2980, 2990, 3000, 3010, 3020, 3030, 3040, 3050, 3060, 3070, 3080, 3090, 3100, 3110, 3120, 3130, 3140, 3150, 3160, 3170, 3180, 3190, 3200, 3210, 3220, 3230, 3240, 3250, 3260, 3270, 3280, 3290, 3300, 3310, 3320, 3330, 3340, 3350, 3360, 3370, 3380, 3390, 3400, 3410, 3420, 3430, 3440, 3450, 3460, 3470, 3480, 3490, 3500, 3510, 3520, 3530, 3540, 3550, 3560, 3570, 3580, 3590, 3600, 3610, 3620, 3630, 3640, 3650, 3660, 3670, 3680, 3690, 3700, 3710, 3720, 3730, 3740, 3750, 3760, 3770, 3780, 3790, 3800, 3810, 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5480, 5490, 5500, 5510, 5520, 5530, 5540, 5550, 5560, 5570, 5580, 5590, 5600, 5610, 5620, 5630, 5640, 5650, 5660, 5670, 5680, 5690, 5700, 5710, 5720, 5730, 5740, 5750, 5760, 5770, 5780, 5790, 5800, 5810, 5820, 5830, 5840, 5850, 5860, 5870, 5880, 5890, 5900, 5910, 5920, 5930, 5940, 5950, 5960, 5970, 5980, 5990, 6000, 6010, 6020, 6030, 6040, 6050, 6060, 6070, 6080, 6090, 6100, 6110, 6120, 6130, 6140, 6150, 6160, 6170, 6180, 6190, 6200, 6210, 6220, 6230, 6240, 6250, 6260, 6270, 6280, 6290, 6300, 6310, 6320, 6330, 6340, 6350, 6360, 6370, 6380, 6390, 6400, 6410, 6420, 6430, 6440, 6450, 6460, 6470, 6480, 6490, 6500, 6510, 6520, 6530, 6540, 6550, 6560, 6570, 6580, 6590, 6600, 6610, 6620, 6630, 6640, 6650, 6660, 6670, 6680, 6690, 6700, 6710, 6720, 6730, 6740, 6750, 6760, 6770, 6780, 6790, 6800, 6810, 6820, 6830, 6840, 6850, 6860, 6870, 6880, 6890, 6900, 6910, 6920, 6930, 6940, 6950, 6960, 6970, 6980, 6990, 7000, 7010, 7020, 7030, 7040, 7050, 7060, 7070, 7080, 7090, 7100, 7110, 7120, 7130, 7140, 7150, 7160, 7170, 7180, 7190, 7200, 7210, 7220, 7230, 7240, 7250, 7260, 7270, 7280, 7290, 7300, 7310, 7320, 7330, 7340, 7350, 7360, 7370, 7380, 7390, 7400, 7410, 7420, 7430, 7440, 7450, 7460, 7470, 7480, 7490, 7500, 7510, 7520, 7530, 7540, 7550, 7560, 7570, 7580, 7590, 7600, 7610, 7620, 7630, 7640, 7650, 7660, 7670, 7680, 7690, 7700, 7710, 7720, 7730, 7740, 7750, 7760, 7770, 7780, 7790, 7800, 7810, 7820, 7830, 7840, 7850, 7860, 7870, 7880, 7890, 7900, 7910, 7920, 7930, 7940, 7950, 7960, 7970, 7980, 7990, 8000, 8010, 8020, 8030, 8040, 8050, 8060, 8070, 8080, 8090, 8100, 8110, 8120, 8130, 8140, 8150, 8160, 8170, 8180, 8190, 8200, 8210, 8220, 8230, 8240, 8250, 8260, 8270, 8280, 8290, 8300, 8310, 8320, 8330, 8340, 8350, 8360, 8370, 8380, 8390, 8400, 8410, 8420, 8430, 8440, 8450, 8460, 8470, 8480, 8490, 8500, 8510, 8520, 8530, 8540, 8550, 8560, 8570, 8580, 8590, 8600, 8610, 8620, 8630, 8640, 8650, 8660, 8670, 8680, 8690, 8700, 8710, 8720, 8730, 8740, 8750, 8760, 8770, 8780, 8790, 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