
ONG&ONG
ONG&ONG

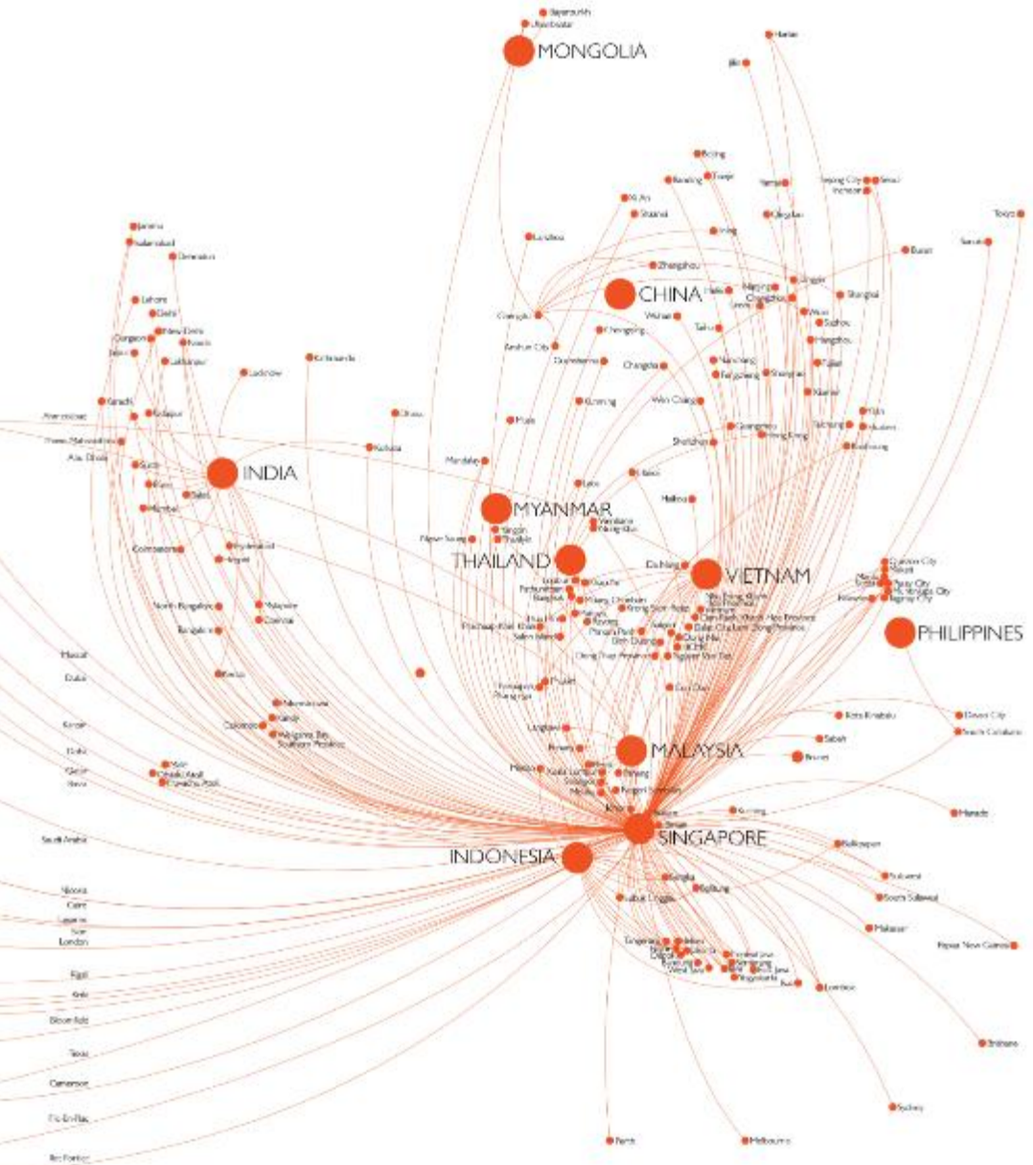
Founded by the late Mr. Ong Teng Cheong & Mrs. Ong Siew May in 1972. With a track record of over 40 years in the industry, ONG&ONG has earned an unparalleled reputation for integrated skilled in architecture, clever interior design and sensitive landscape design thus creating resonant outcomes. We continually strive to uphold our mission to be the designer of our age – a premier design practice both locally and in the region.

360º solution /

our reach /

ONG&ONG *group*

Singapore
China (2)
India
Indonesia
Malaysia
Mongolia
Myanmar
Philippines
Thailand
Vietnam (2)



IN FY 16/17

The ONG&ONG Group is powered by

642

PROFESSIONALS

specialising in various disciplines, working in 12 offices worldwide

We've secured a total of

340 Projects

250 Singapore

90 International

Our group completed

221 PROJECTS

207 Singapore

14 Around the globe

notable award-winning projects

Boulevard Vue, *Singapore*

architecture • engineering • interior
• landscape / **residential**

Asia Pacific Property Award
Highly Commended, 2015

FIABCI Singapore Property Award
Winner, 2014

The Scott Tower
Singapore

architecture / **residential**

National Heart Centre, *Singapore*

architecture • landscape / **institutional**

–

BCA Green Mark Award
Platinum Winner, 2012

Design and Health Award
Commendation, 2011

MIPIM Asia Award
Winner, 2010

Al-Ansar Mosque, *Singapore*

architecture • lighting / **religious**

American Architecture Prize,
Restoration and Renovation Category
Winner, 2017

MIPIM Asia Award
Best Refurbished Building,
Silver, 2015

WAN Adaptive Reuse Award
Finalist, 2015

Audi Centre, *Singapore*

architecture / **commercial**

–

Asia Pacific Property Award
Best Retail Architecture Singapore
Winner, 2014

SIA Architectural Design Award
Winner, 2014

MIPIM Asia Award
Gold Winner, 2013

55 Blair Road, *Singapore*

architecture / **conservation**

–

ArchDaily Building of the Year Award
Winner, 2009

Asia Pacific Property Award
Winner (Best in Singapore & Asia Pacific), 2011

Colombian Diaspora Architecture Award
Gold Winner, 2012

International Architecture Award
Winner, 2011

Singapore Architectural Design Award
Honourable Mention, 2013

URA Architectural Heritage Award
Winner, 2010

Grange Infinite, *Singapore*
interior / **residential**

| **Asia Pacific Property Award**
Highly Commended, 2013

The American Club, *Singapore*
interior / **retail**

| **Asia Pacific Design Biennial Award**
Outstanding, 2012

Asia Pacific Property Award
Highly Commended, 2013

Orchard Central, *Singapore*
landscape / **retail**

| **Asia Pacific Property Award**
Best Landscape Architecture, 2012

King Albert Park MRT station, *Singapore*

architecture/ **transport**

Kamala Kandara, *Bekasi, Indonesia*

architecture • brand engagement • interior

residential

–

World Architecture Festival,
Future Residential Projects
Finalist, 2017

Vietcombank Tower
HCMC, Vietnam

architecture / **office**

Satoria Tower
Surabaya, Indonesia

architecture / **office**

CT Hub, *Singapore*

architecture • lighting / **industrial**

Indian Heritage Center, *Singapore*
lighting / **institutional**

| **BCA Green Mark Award**
Gold^{Plus}, 2014

Trans Studio Mall, *Bandung, Indonesia*

branding / **retail**

INDONESIAN EXPERTISE

Architecture

THE SUMMIT, Jakarta, Indonesia (Completed in 2007)

Residential Superblock

ONG&ONG group

Multi-storey Residential Superblock

GFA 130,000 sqm

Client: PT. Summarecon Agung Tbk

Architecture, Landscape, Interior, & Lighting

MARVELL CITY, Surabaya, Indonesia (Phase 1 completed in Dec 2015)

Mixed Development comprising of Residential, Hotel, Office, and Retail

Mixed-use Development (Launched 27th May 2012)

GFA: 180,000 sqm

Client: PT. Assaland

Architecture

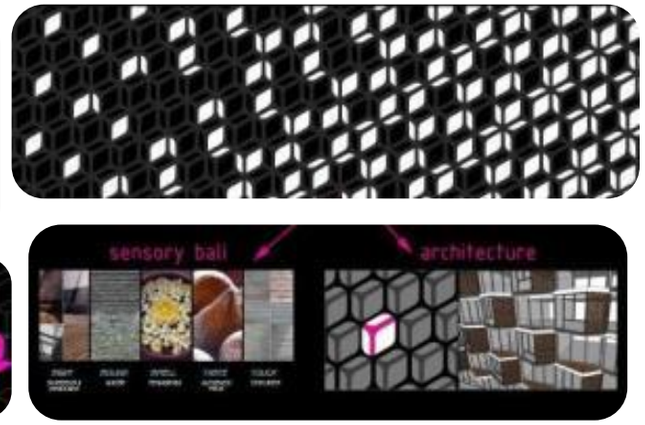
INDIGO DESIGNATED HOTEL, Jimbaran, Bali

Boutique Hotel

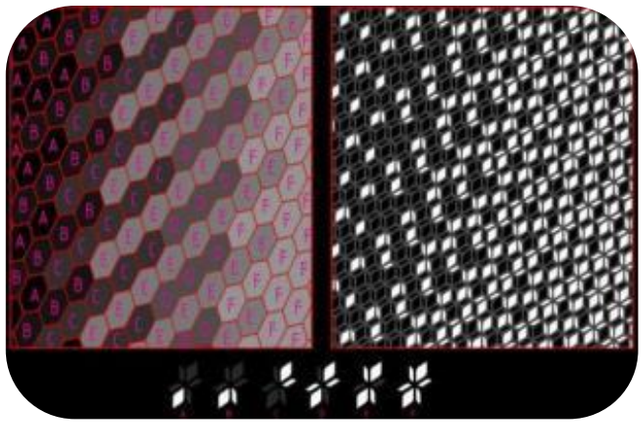
ONG&ONG group

Geometric and repeated pattern modular of **BATIK**

Organic curved forms
BALINESE FLORA & FRUIT



Application of pattern to screen
FACADE



Modular element of screen facade acts as **SECONDARY MARK**

Indigo designated hotel in Jimbaran, Bali.

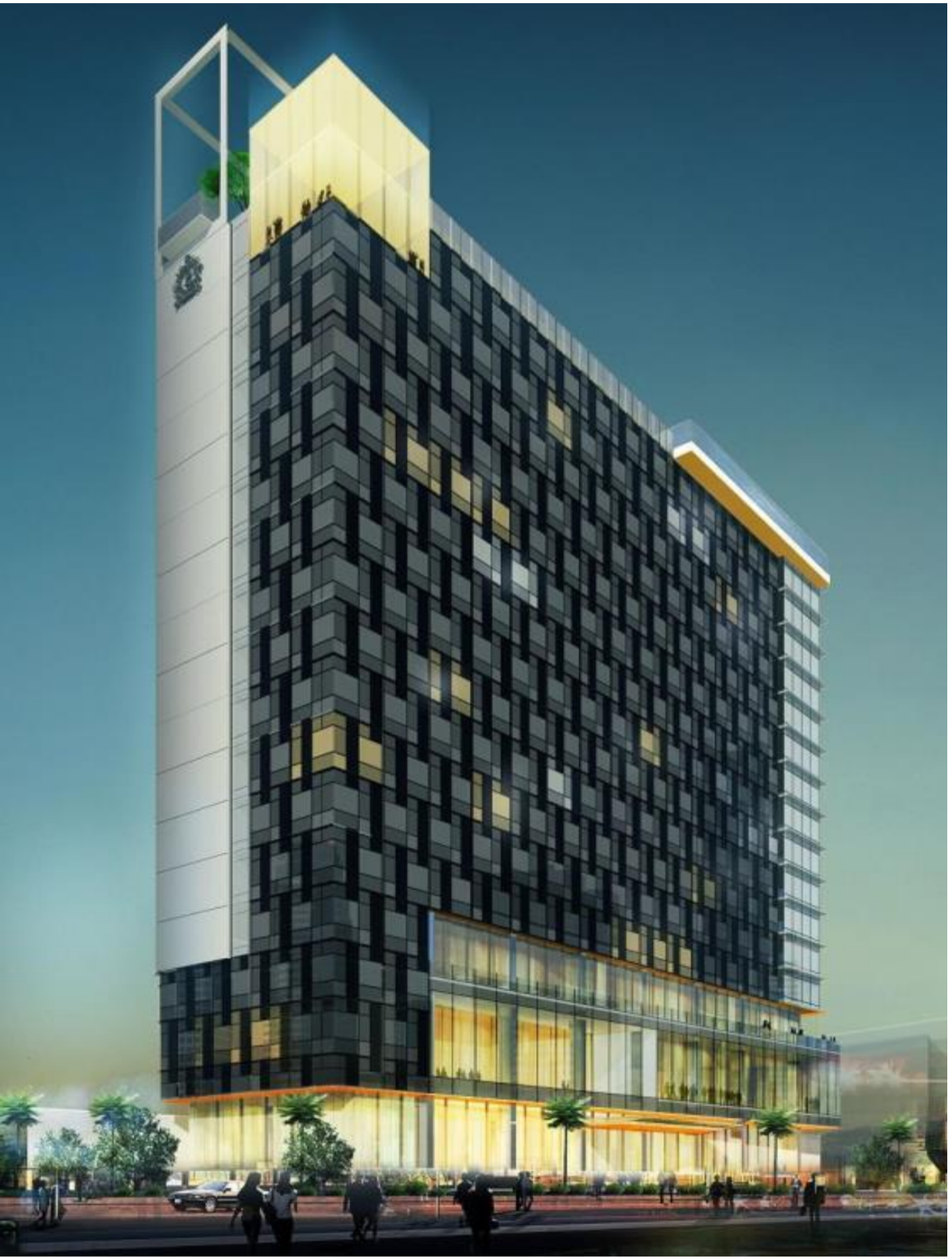
GFA: 15,000 sqm 228 rooms.

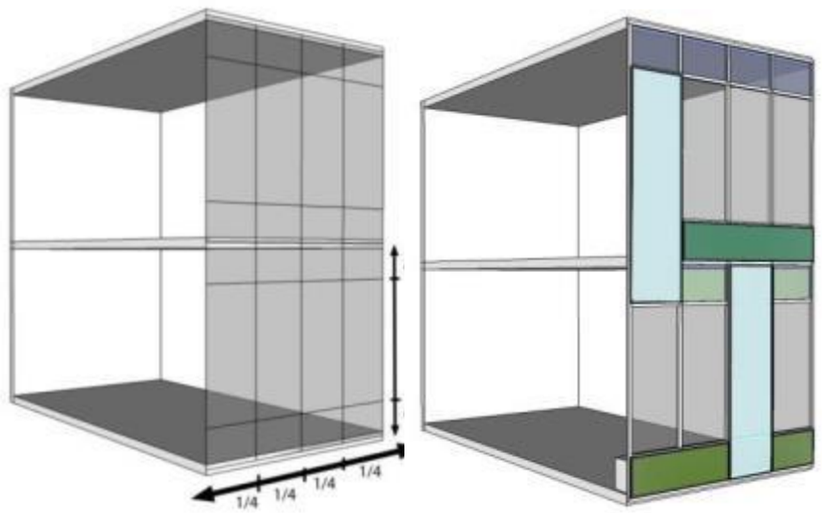
Client: PT. Asmara

Architecture & Interior

PARK HOTEL, Medan

Boutique Hotel





Boutique Hotel, Medan

GFA: 16,000 sqm, 308 rooms.

Client: PT Global Capital Land

Architecture, Interior, Landscape, & Lighting

RESORT VILLA DEVELOPMENT, Bali

Resort Hotel and Villas

ONG&ONG group

5 star Hotel and Villas at Bali

Site Area: 4.02 Ha

GFA: 66,000 sqm

Client: PT. Satoria

Architecture

WANG RESIDENCE , Jl. Panjang, Jakarta

Luxurious Residential Apartment

ONG&ONG group

Luxurious Residential Apartment at Jalan Panjang, Jakarta.

GFA: 45,000 sqm, 284 units.

Client: PT Citicon Adinugraha

Architecture, Landscape, & Interior

GOLD COAST SEA VIEW APARTMENT, Jakarta

Mixed Development comprising of Residential & Offices

ONG&ONG group

Mixed-use Development

Site Area: 6 Hectares

GFA: 258,000 sqm

Client: Agung Sedayu Group

Architecture

KAMALA KANDARA, Bekasi

Mixed Developments Comprising of Residential and Amenities

ONG&ONG group

Mixed Development at Bekasi, Indonesia Site Area: 1.3 Ha GFA: 185,000 sqm Client: PT. PP Property

Master Plan

VASANTA INNOPARK, Bekasi

Mixed Development comprising of Luxury Apartments, Condominium, Service Apartment, Office Towers, Hotel, with Lifestyle Retail.

Mixed-use development at Bekasi, Indonesia Site Area: 11.8 ha GFA: 945,896 sqm Client: PT Sirius Surya Sentosa

what is 360°*?*


16×
Philips
Planisphere
GARMIN nüvi
SONY
FM/AM WALKMAN
SANYO
GAME BOY COLOR
RANGE
WEIGHTING
RESPONSE
dB
CASIO
addressbook
MRC
M−
M+
AC


SPORTS

Quincy, *Singapore*

architecture • interior • landscape • branding / **hospitality**

–

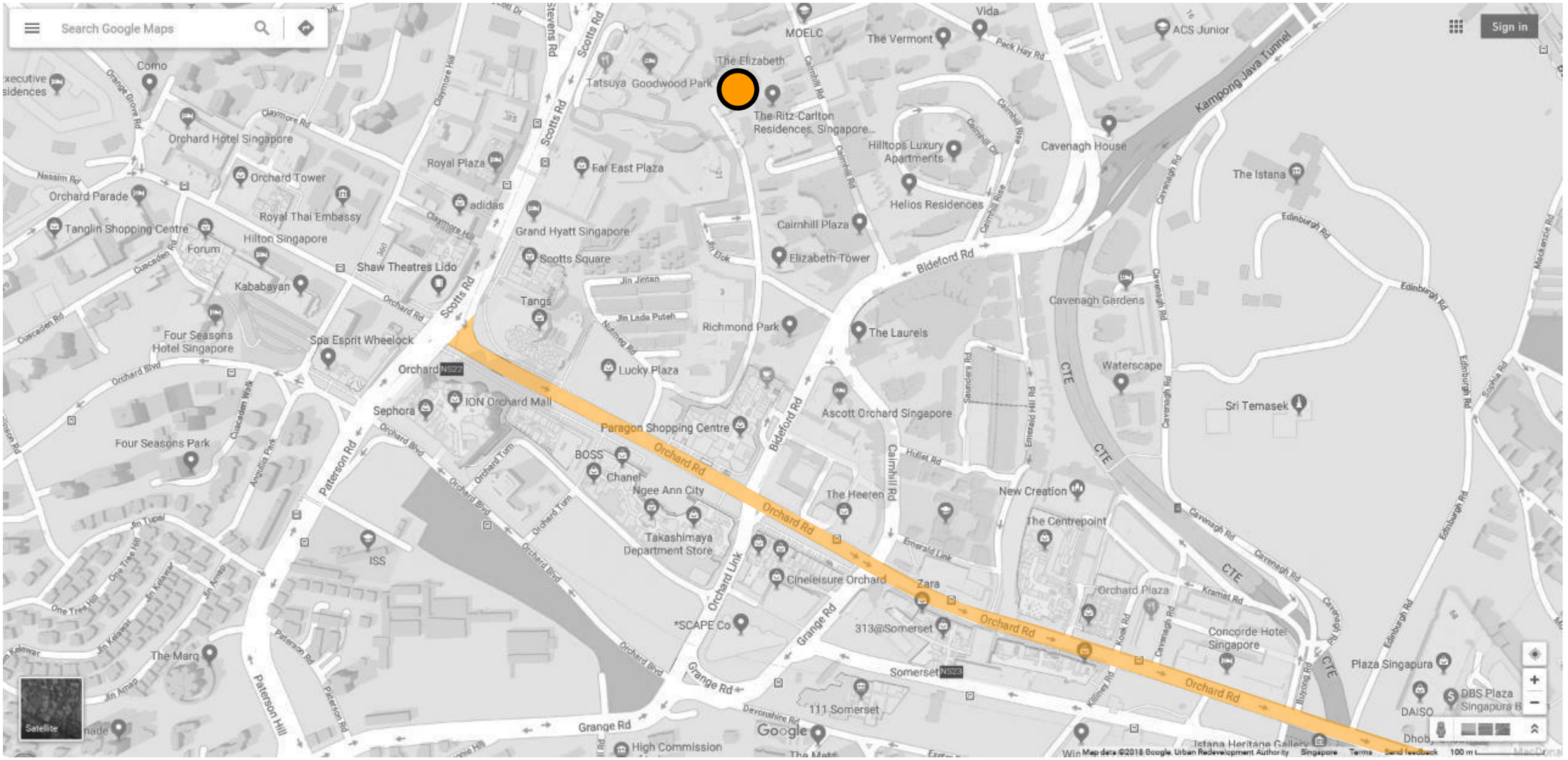
Asia Pacific Property Award
Winner (Best in Singapore & Asia Pacific), 2011

FIABCI Prix d' Excellence
Runner-up, 2011

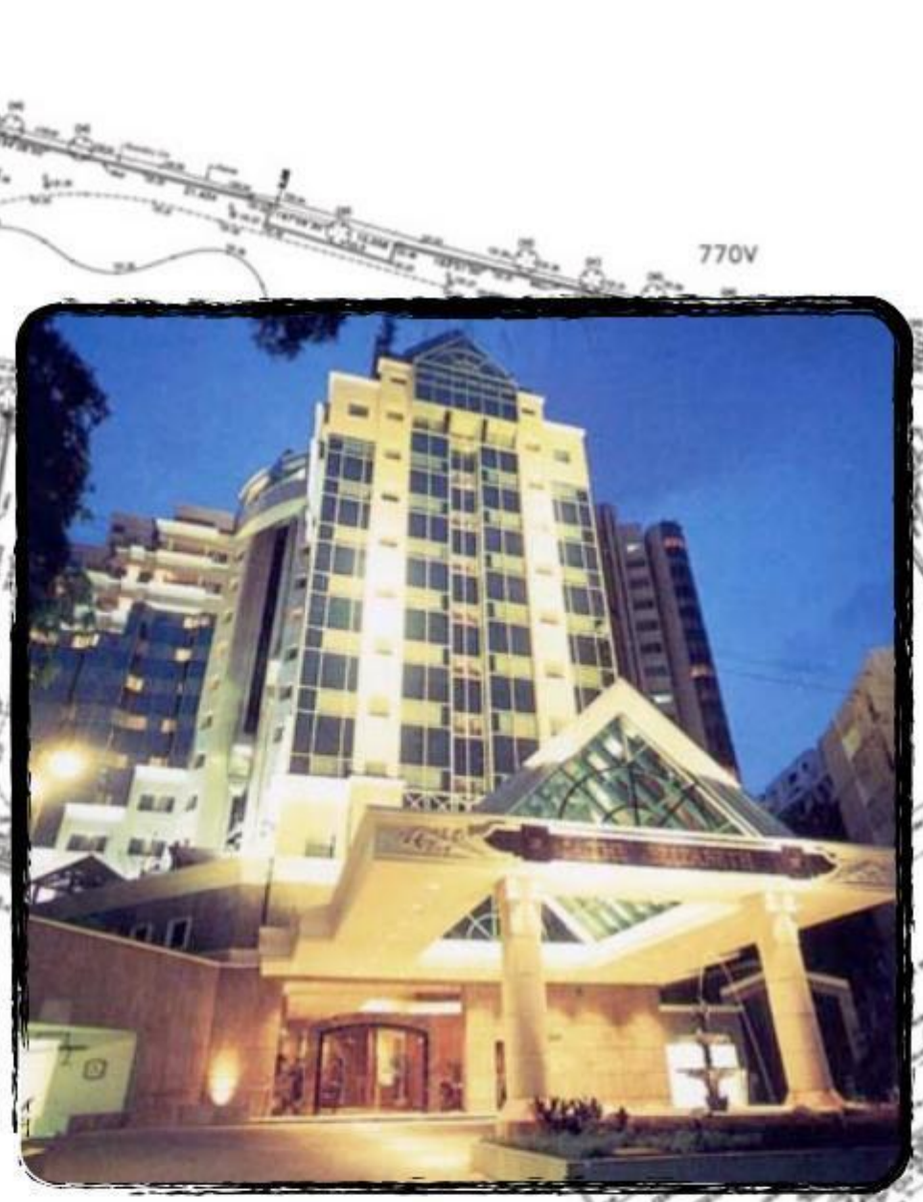
HA+D Award
Winner, 2011

SIA Architectural Design Award
Winner, 2011

ONG & ONG


Search Google Maps
Sign in
The Elizabeth
The Ritz-Carlton Residences, Singapore
Tatsuya Goodwood Park
MOELC
The Vermont
Vida
ACS Junior
Kampong Java Tunnel
Como
Orchard Hotel Singapore
Royal Plaza
Far East Plaza
Orchard Tower
Orchard Parade
Royal Thai Embassy
adidas
Grand Hyatt Singapore
Tanglin Shopping Centre
Forum
Hilton Singapore
Shaw Theatres Lido
Kababayan
Four Seasons Hotel Singapore
Spa Esprit Wheelock
Orchard NS22
Sephora
ION Orchard Mall
Four Seasons Park
Paragon Shopping Centre
BOSS
Chanel
Ngee Ann City
Takashimaya Department Store
ISS
The Marq
Scotts Square
Tangs
Lucky Plaza
Richmond Park
The Laurels
Ascott Orchard Singapore
The Heeren
New Creation
The Centrepoint
Cinelelsure Orchard
Zara
313@Somerset
*SCAPE Co
111 Somerset
Somerset NS23
High Commission
Hilltops Luxury Apartments
Helios Residences
Cairnhill Plaza
Elizabeth Tower
Cavenagh House
Cavenagh Gardens
Waterscape
Sri Temasek
The Istana
Orchard Plaza
Concorde Hotel Singapore
Plaza Singapura
DBS Plaza Singapura
DAISO
Bideford Rd
Scotts Rd
Orchard Rd
Grange Rd
Paterson Rd
Paterson Hill
Cairnhill Rd
Cairnhill Rise
Cairnhill Dr
Peck Hay Rd
Claymore Rd
Orange Grove Rd
Nassim Rd
Cuscaden Rd
Orchard Blvd
Orchard Turn
Orchard Link
Jln Jintan
Jln Lada Puteh
Nutmeg Rd
Bideford Rd
Hullet Rd
Emerald Link
Emerald Hill Rd
Killiney Rd
Devonshire Rd
Cavenagh Rd
Edinburgh Rd
Kramat Rd
Bukit Timah Rd
CTE
Satellite
Google
Map data ©2018 Google, Urban Redevelopment Authority
Singapore
Terms
Send feedback
100 m

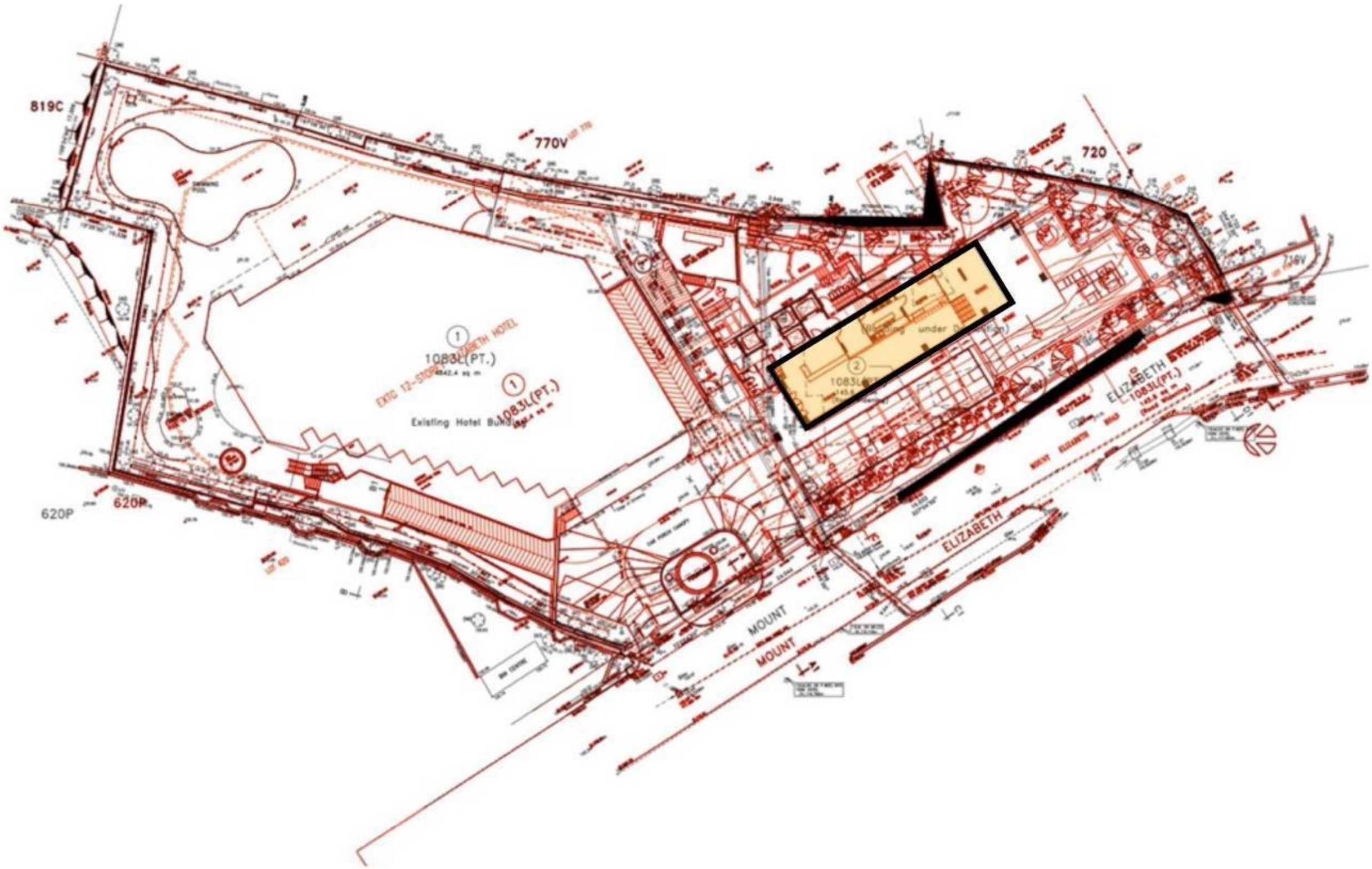
ONG & ONG



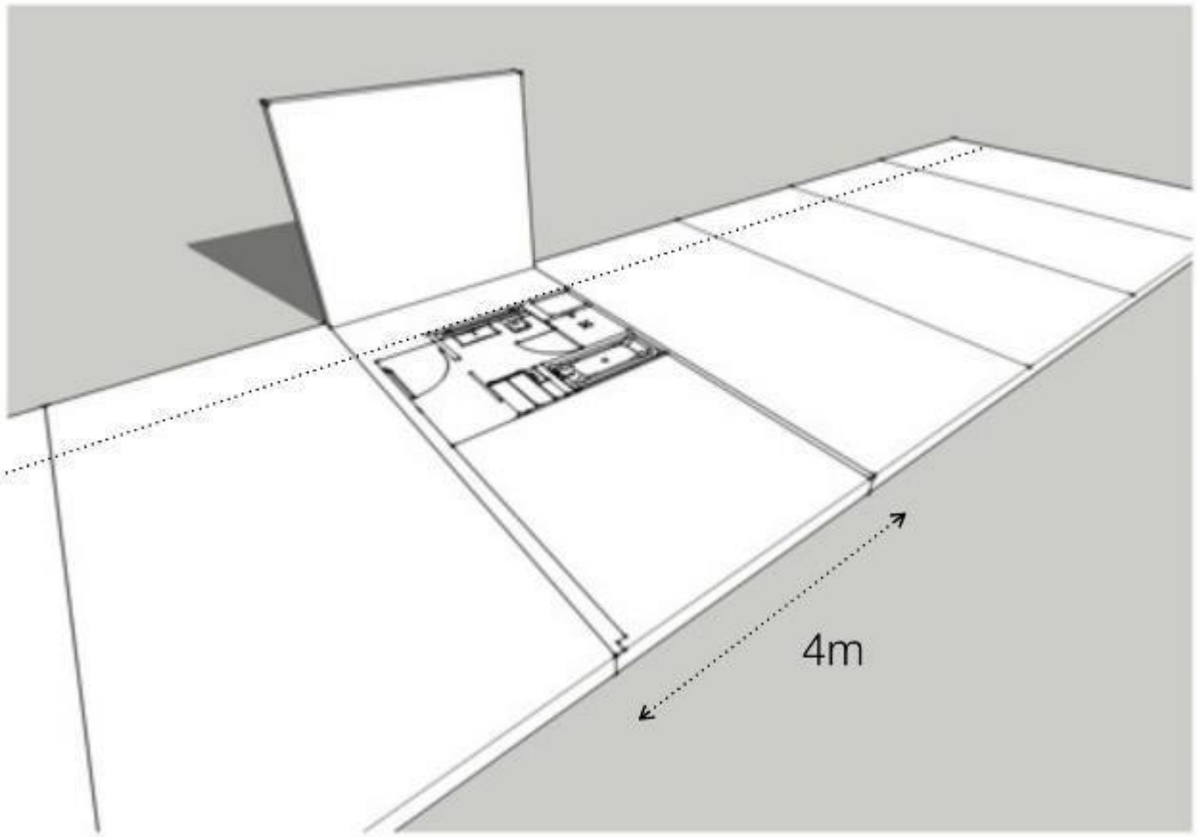
819C
770V
720
719V
620P
(Building under Demolition)
2
1083L(PT.)
145.6 sq. m.
(Road Widening)
ELIZABETH
MOUNT

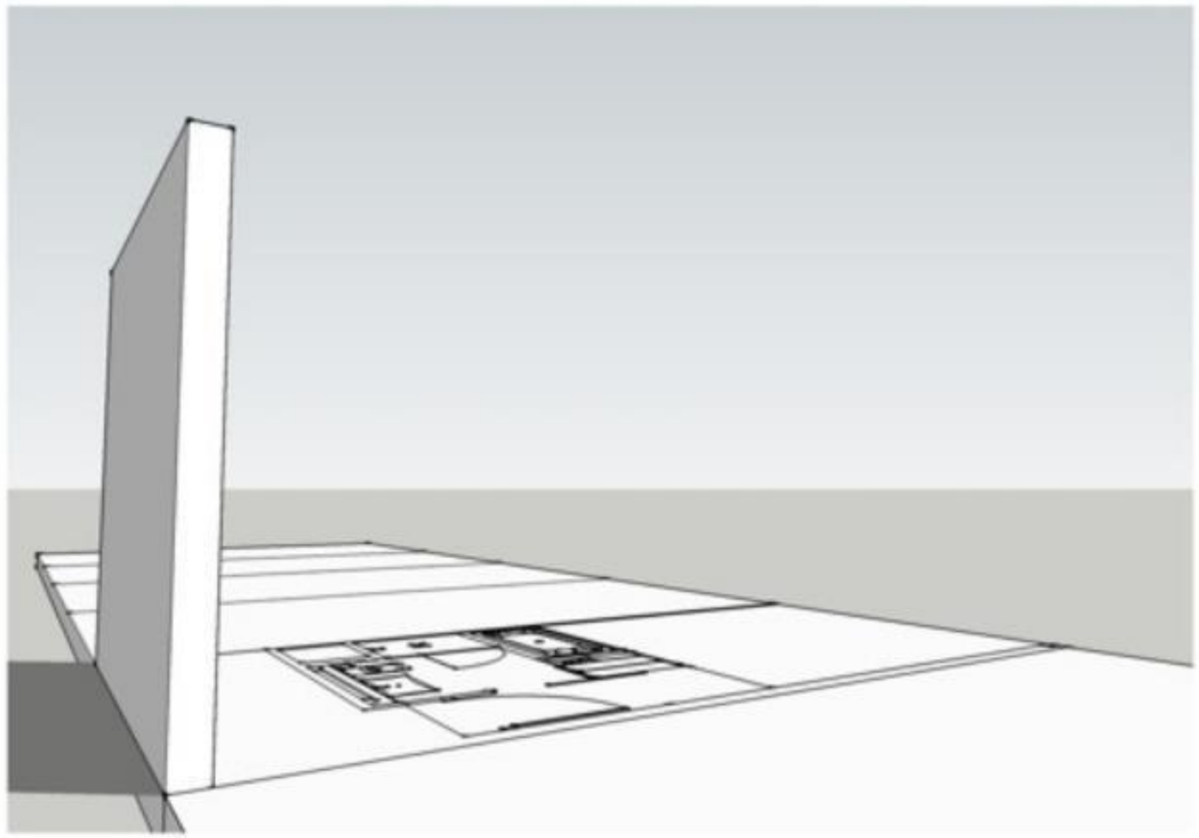
ONG & ONG

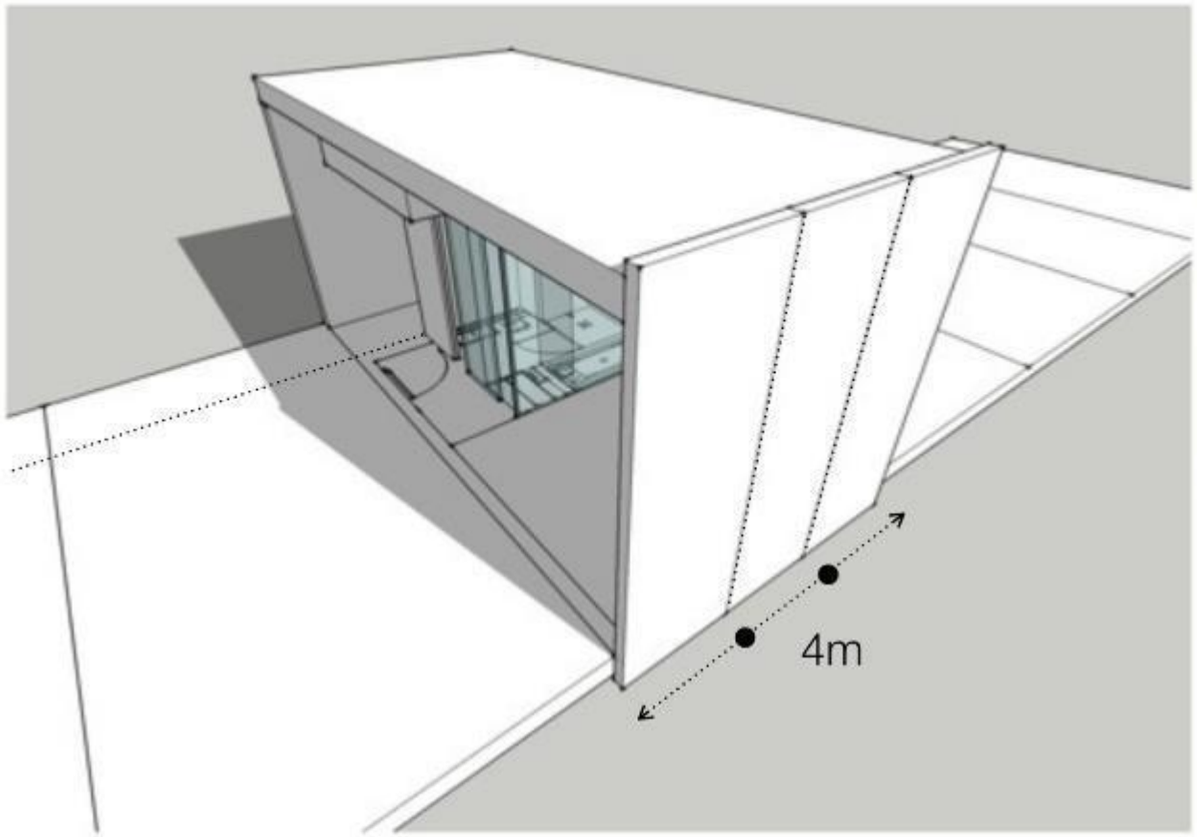
ONG & ONG

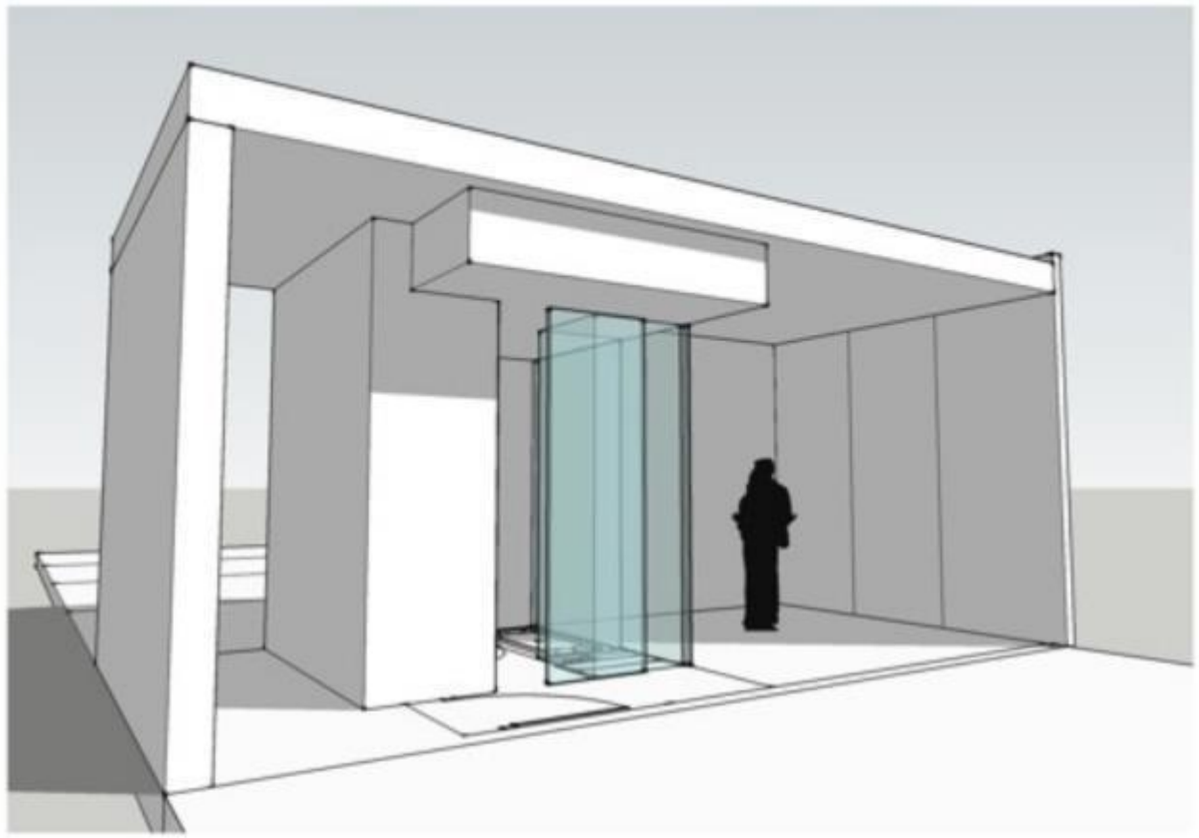

819C
770V
720
620P
620P
1083L(PT.)
1083L(PT.)
1083L(PT.)
Existing Hotel Building under
ELIZABETH
ELIZABETH
MOUNT
MOUNT

ONG & ONG

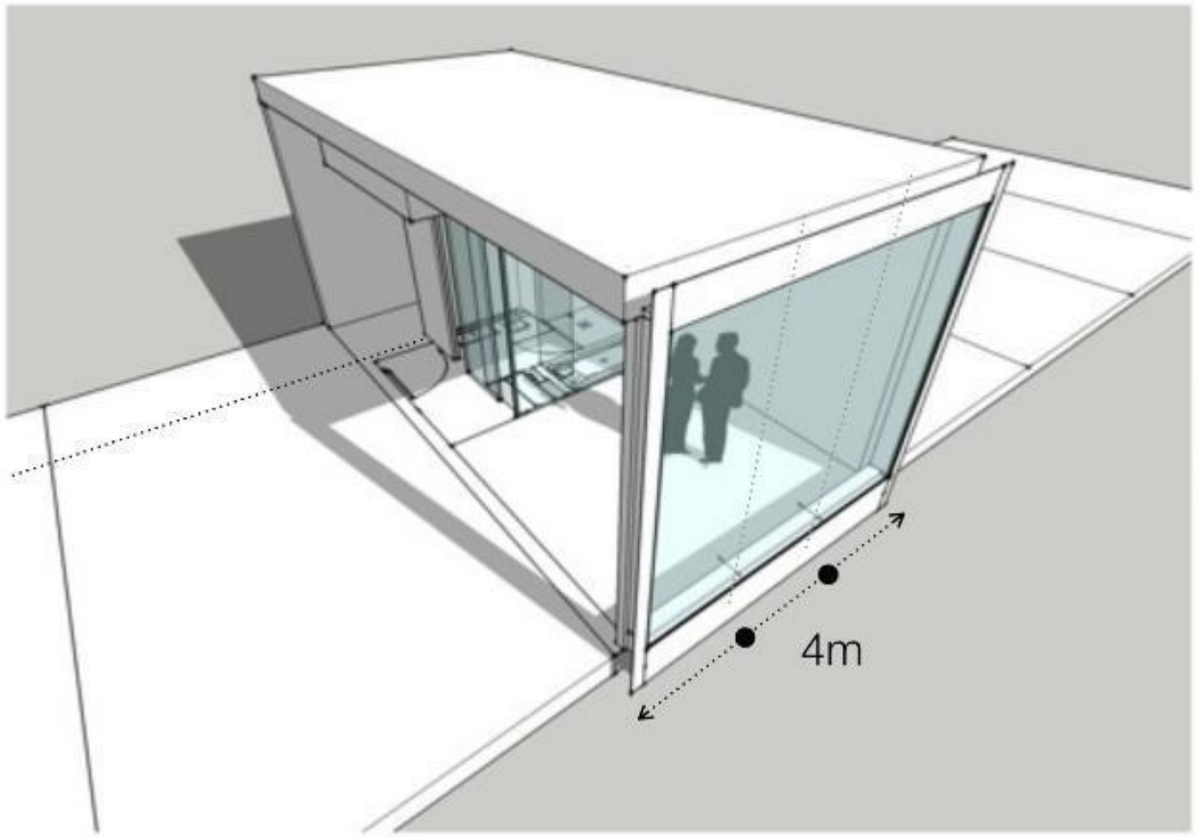


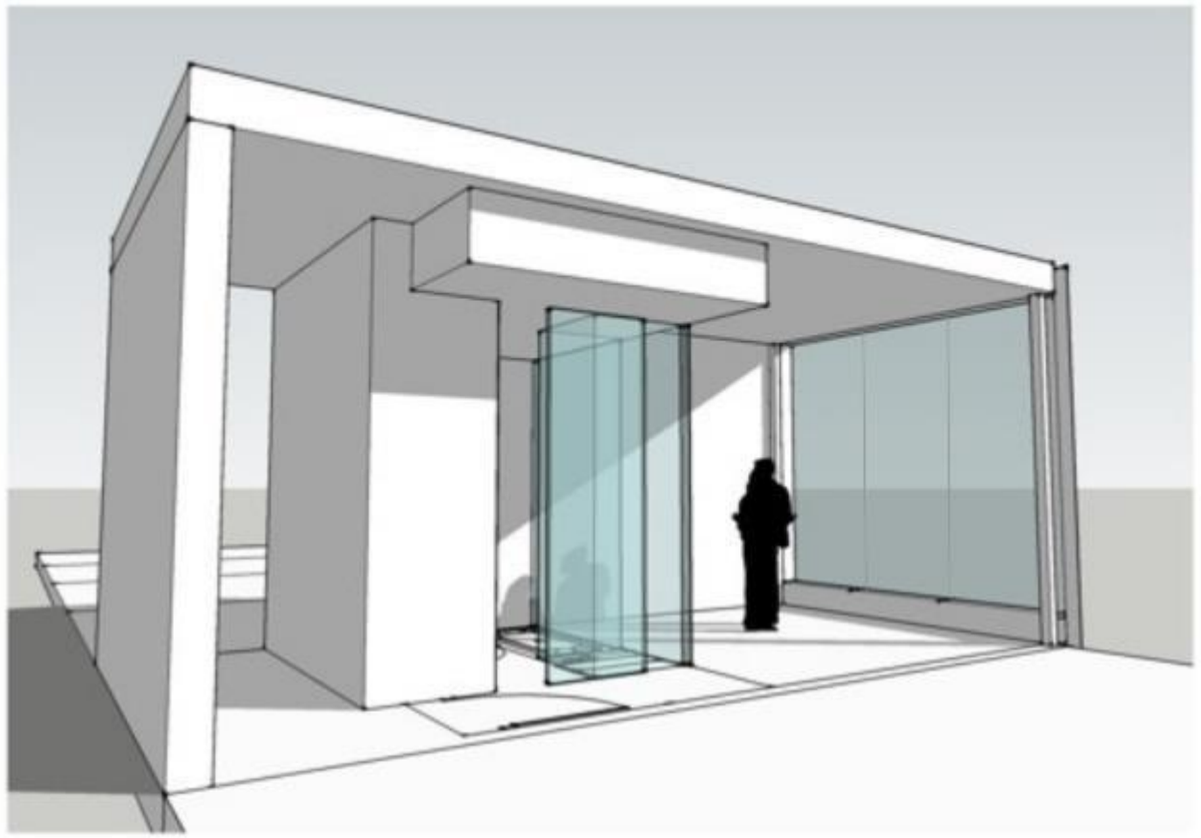



4m

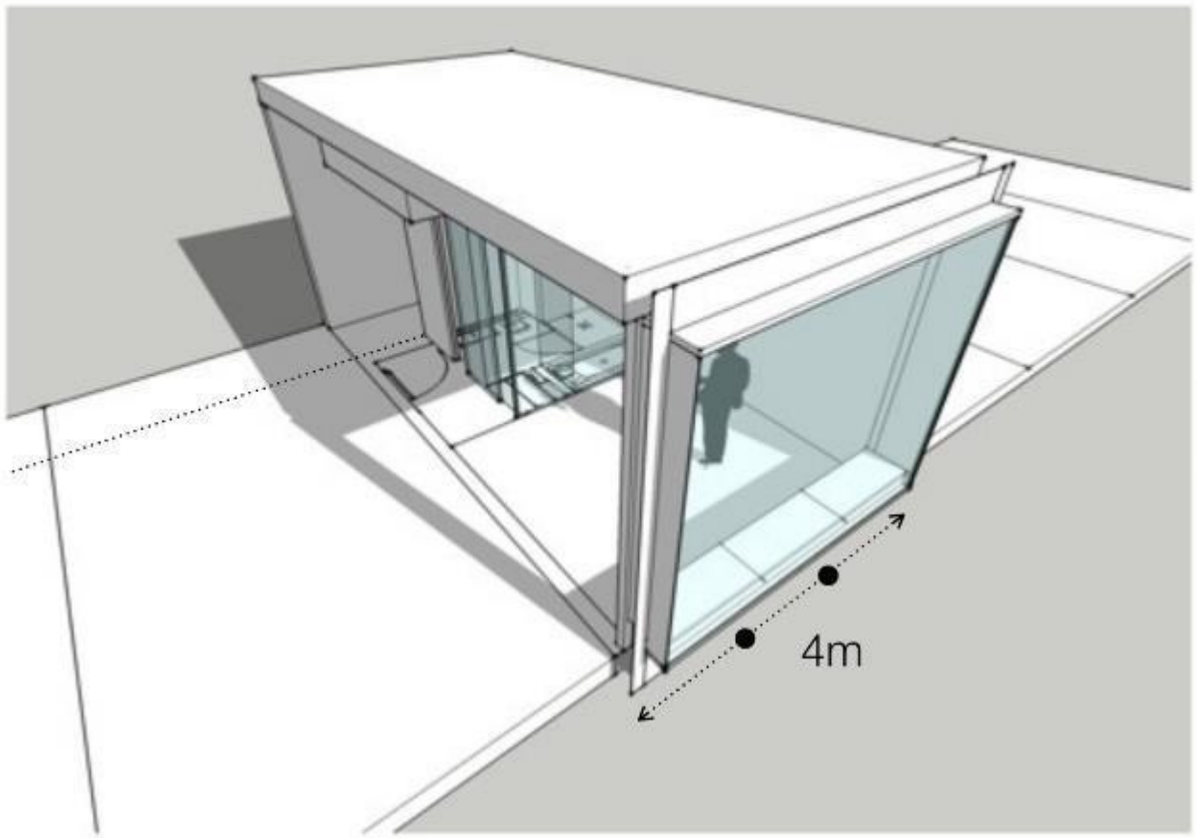


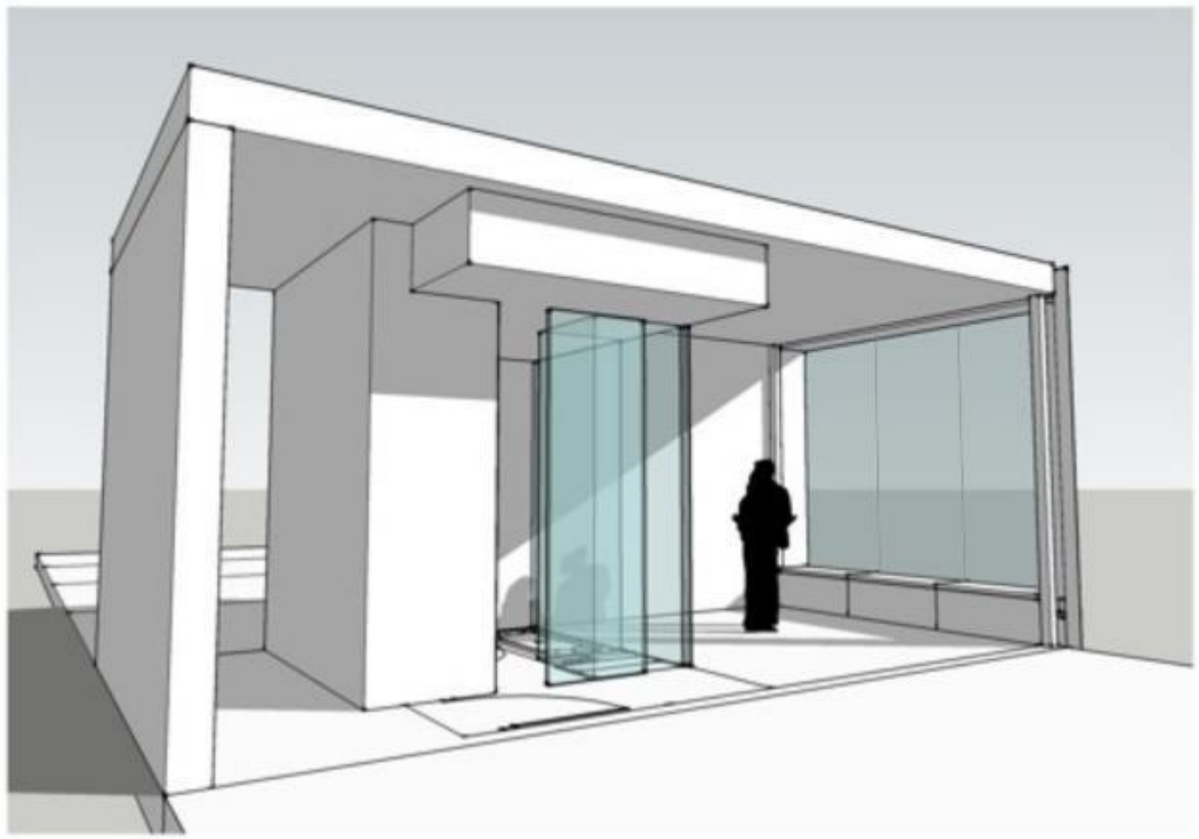
ONG&ONG

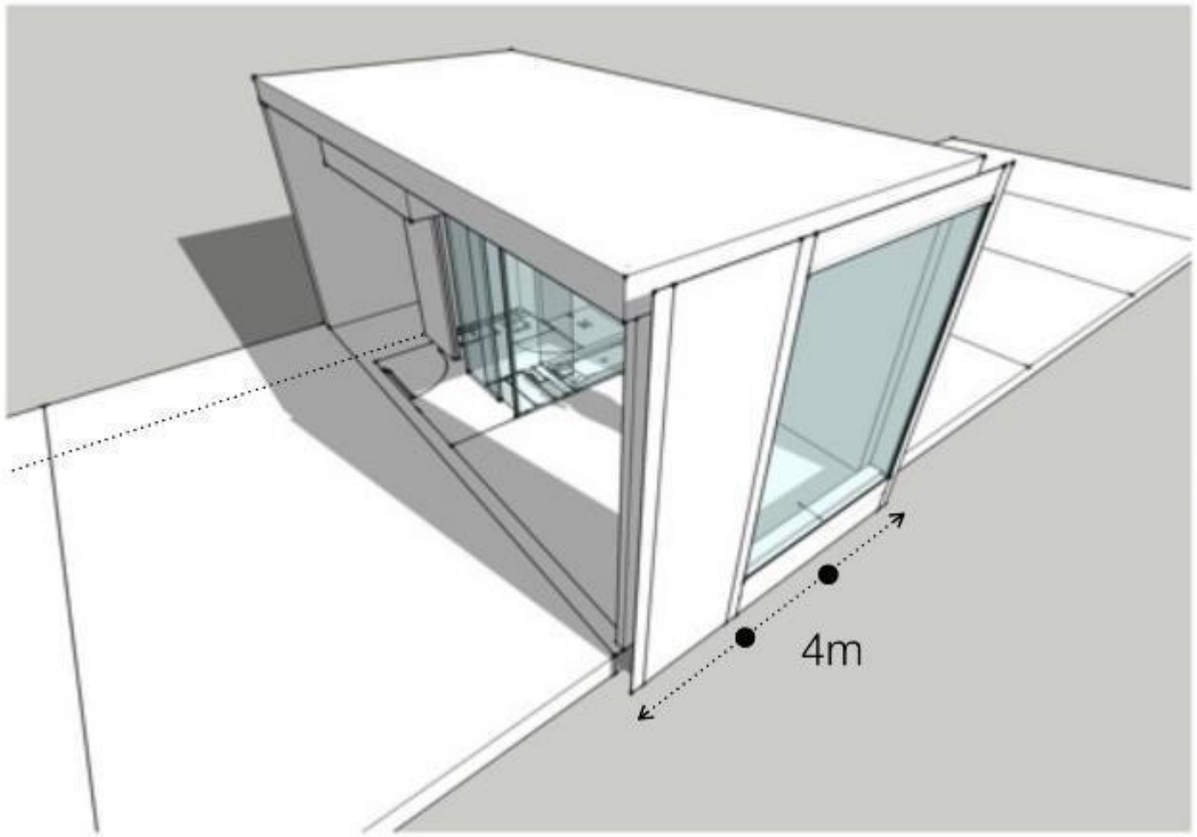


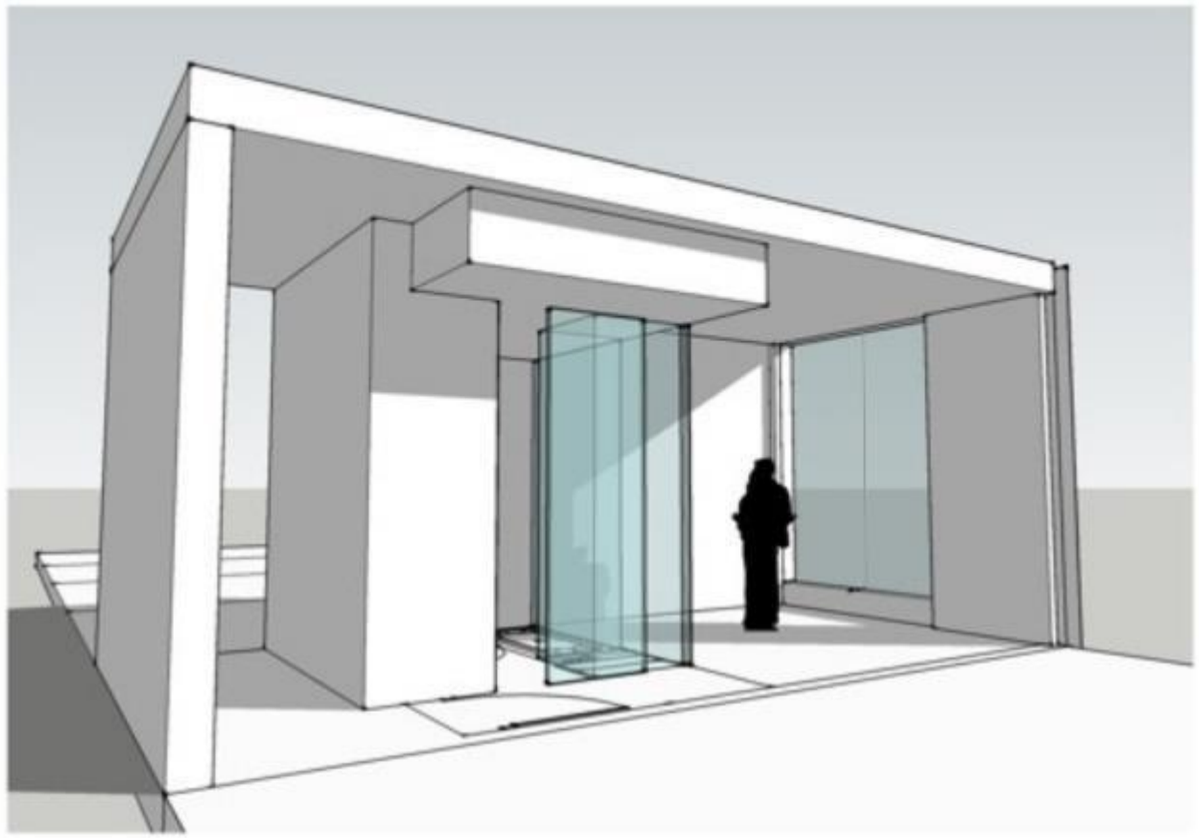


ONG&ONG

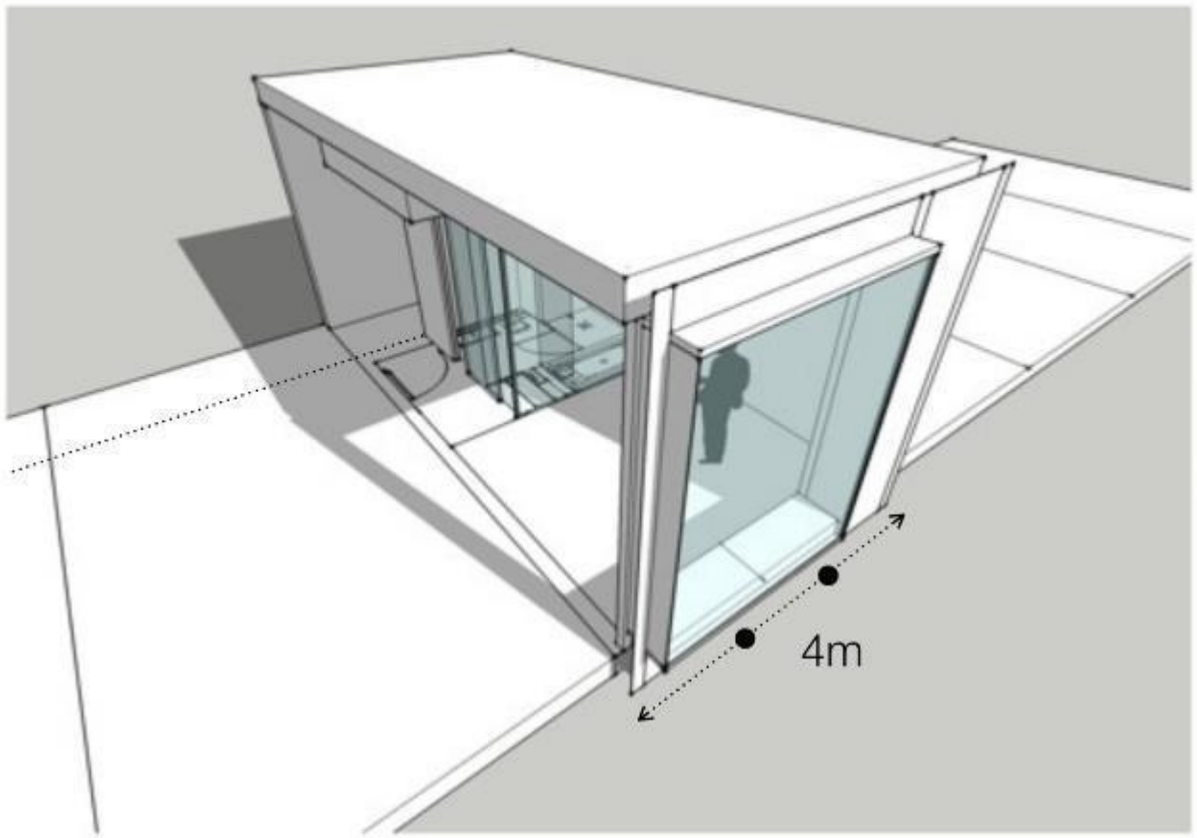


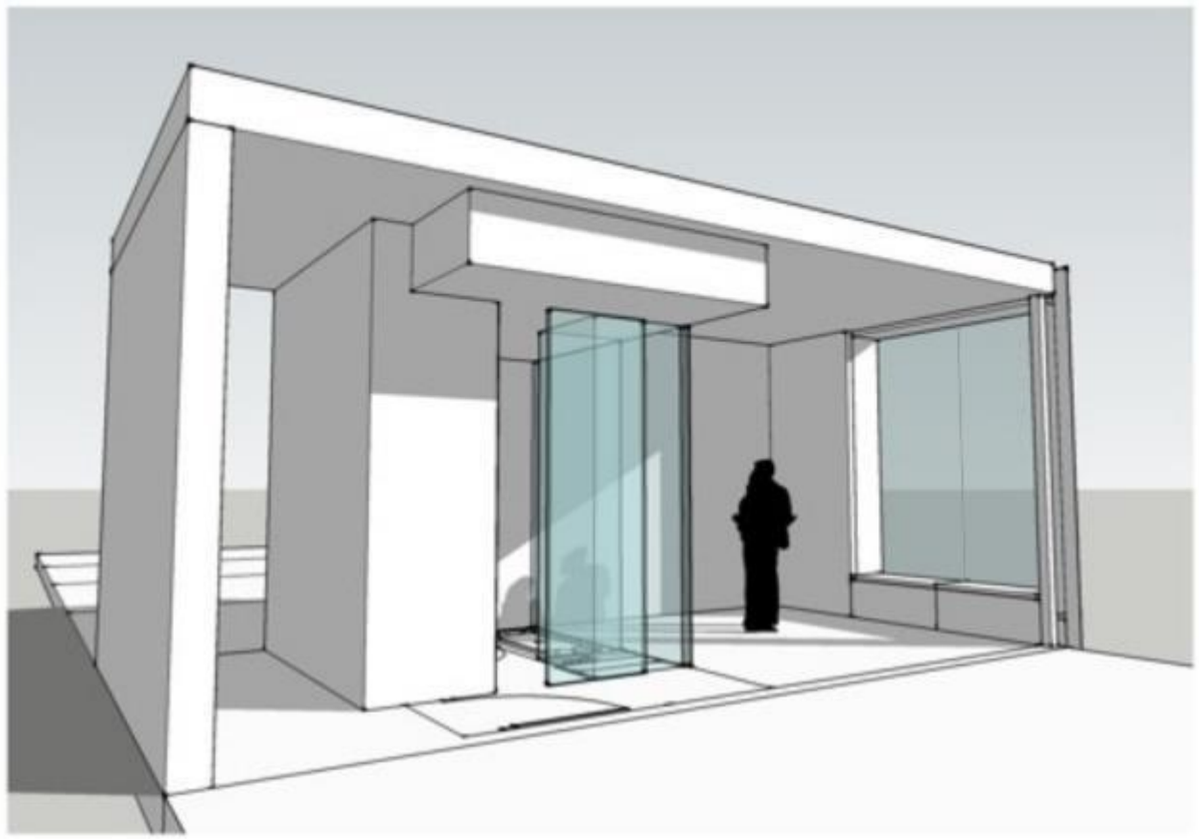


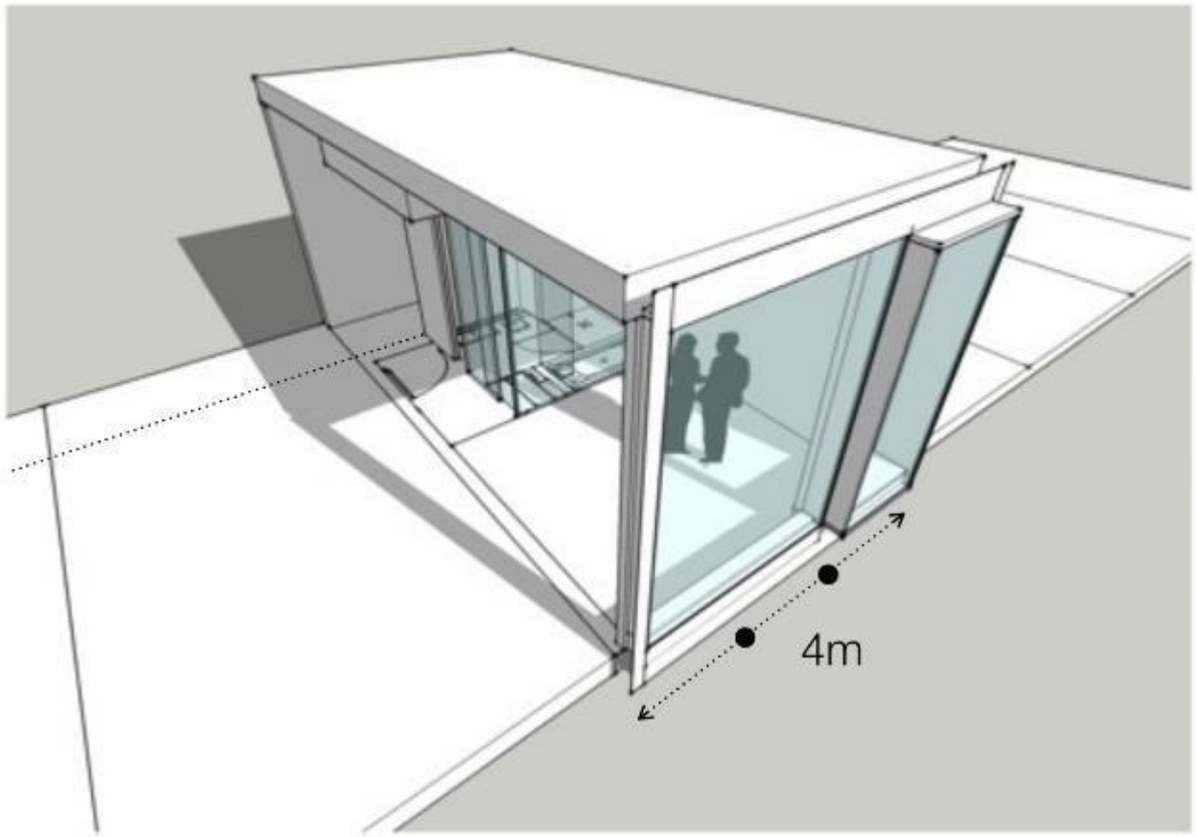

4m

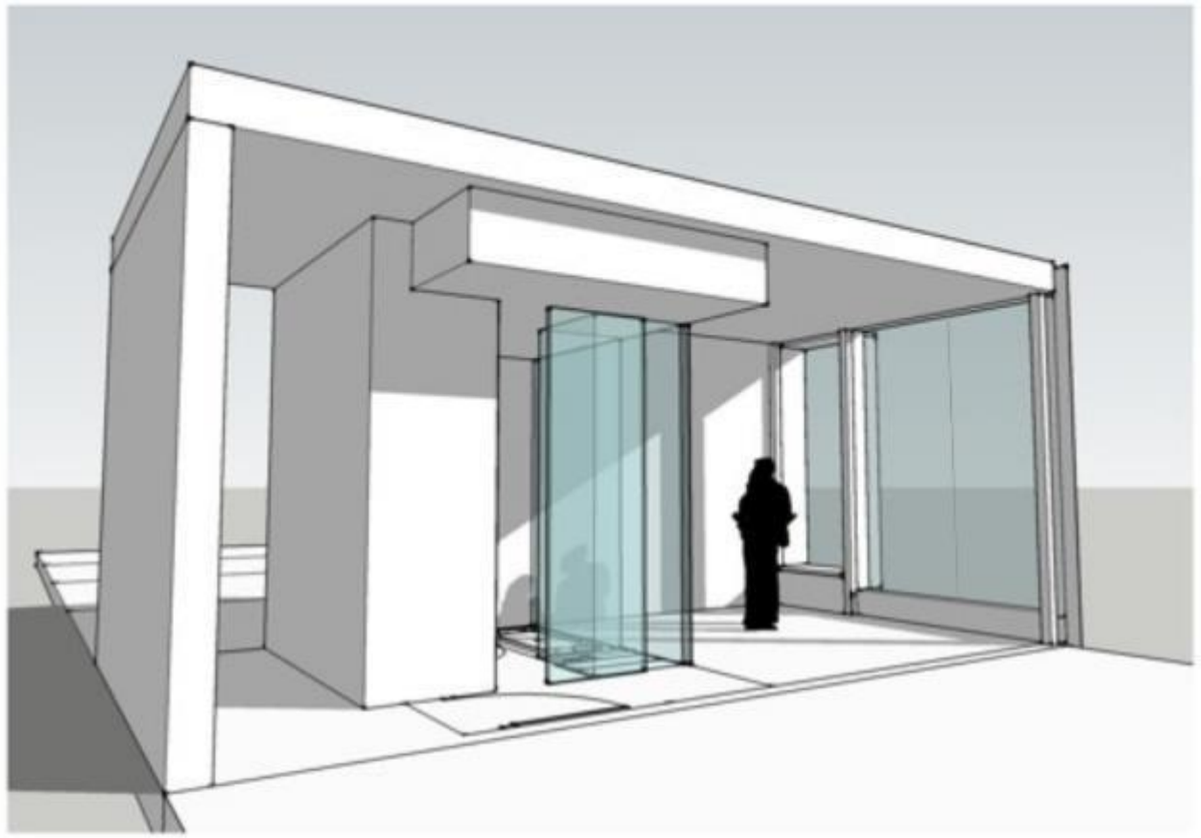


ONG&ONG

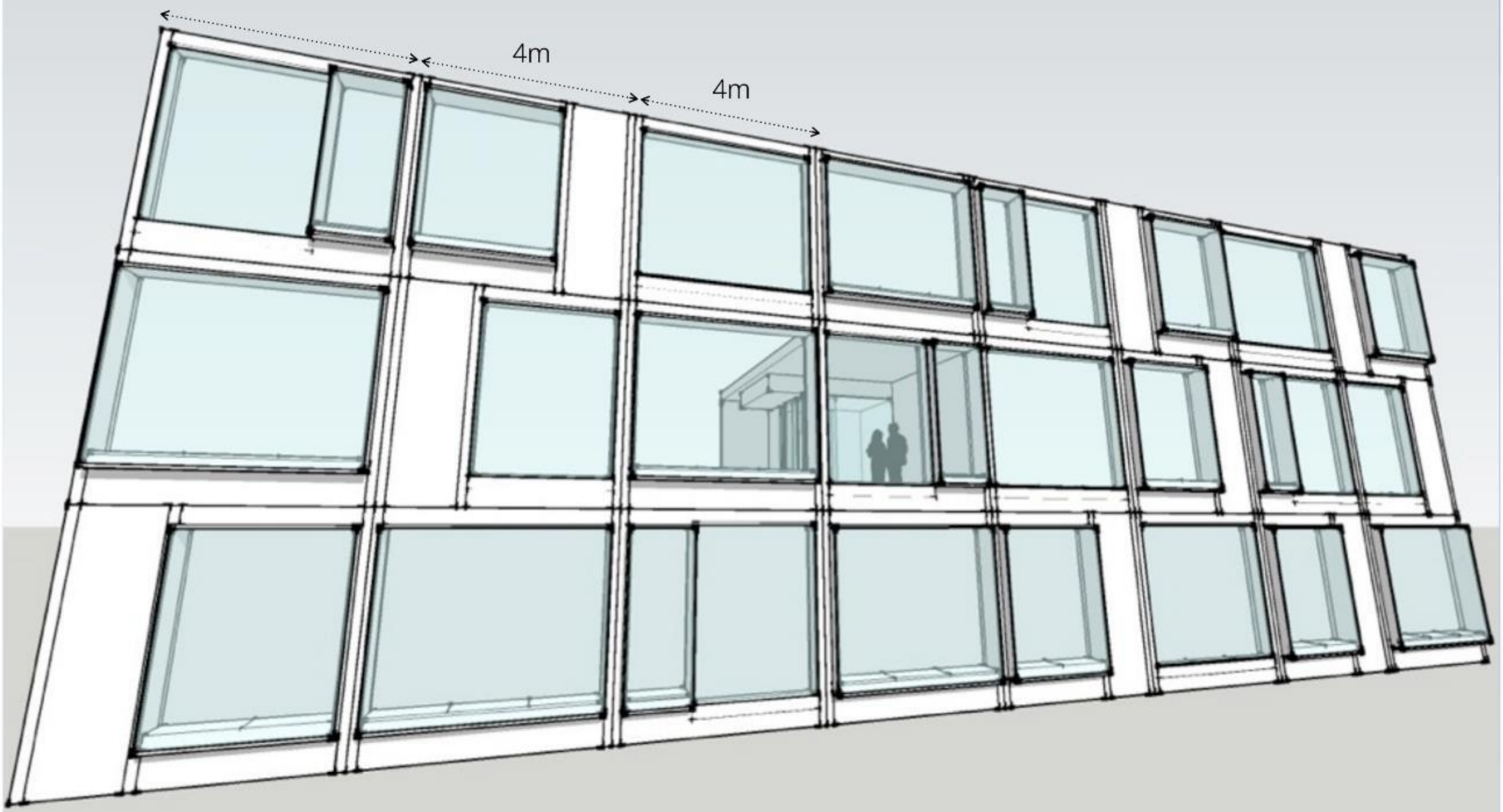




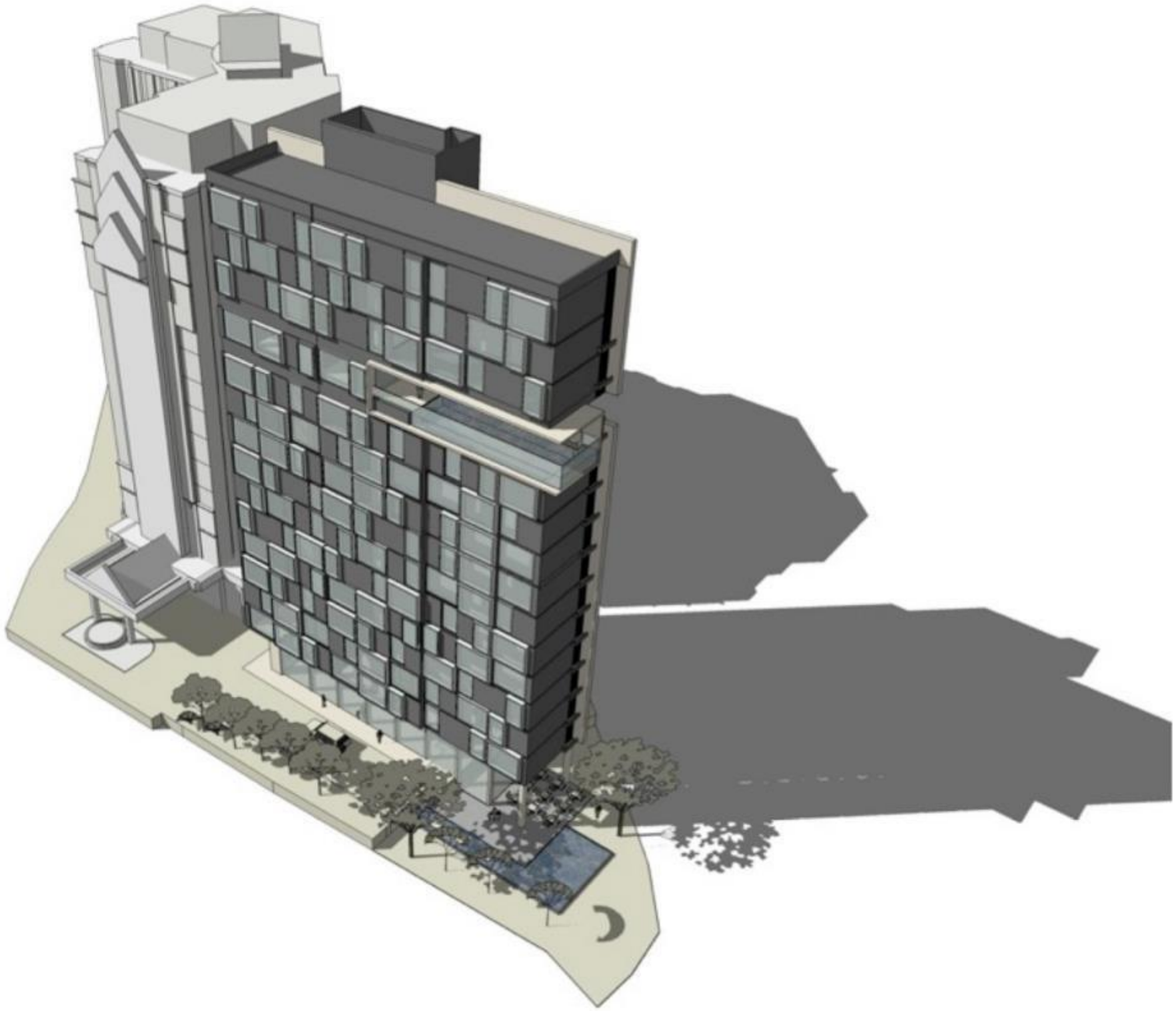

4m



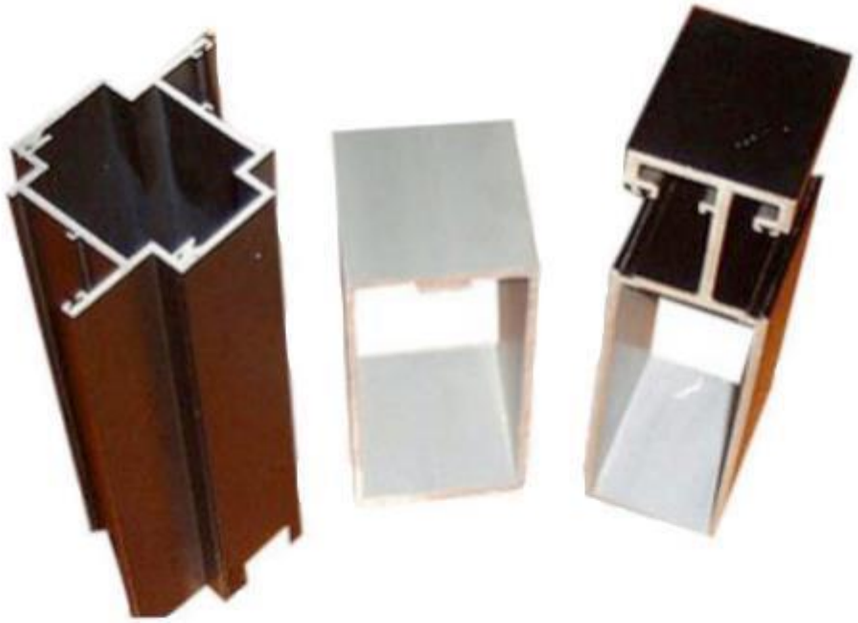
ONG&ONG

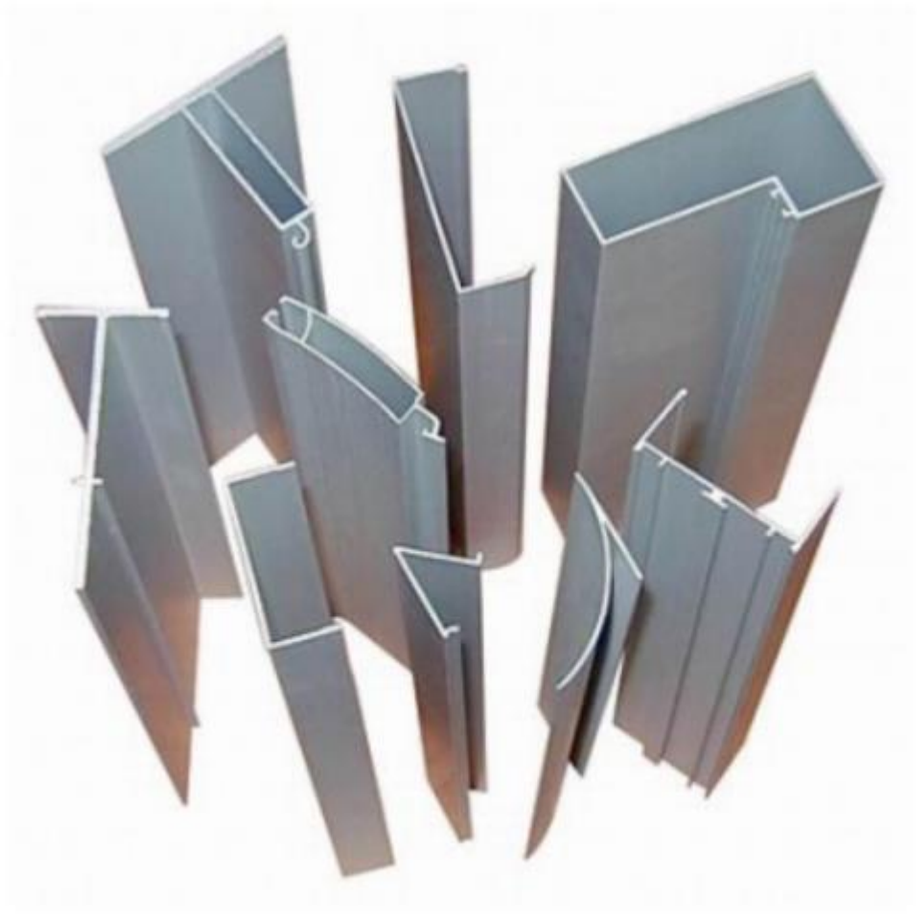


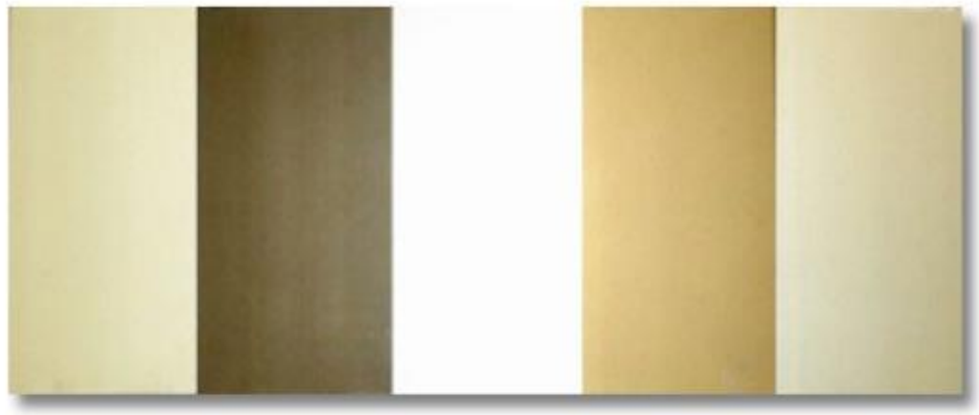
ONG & ONG

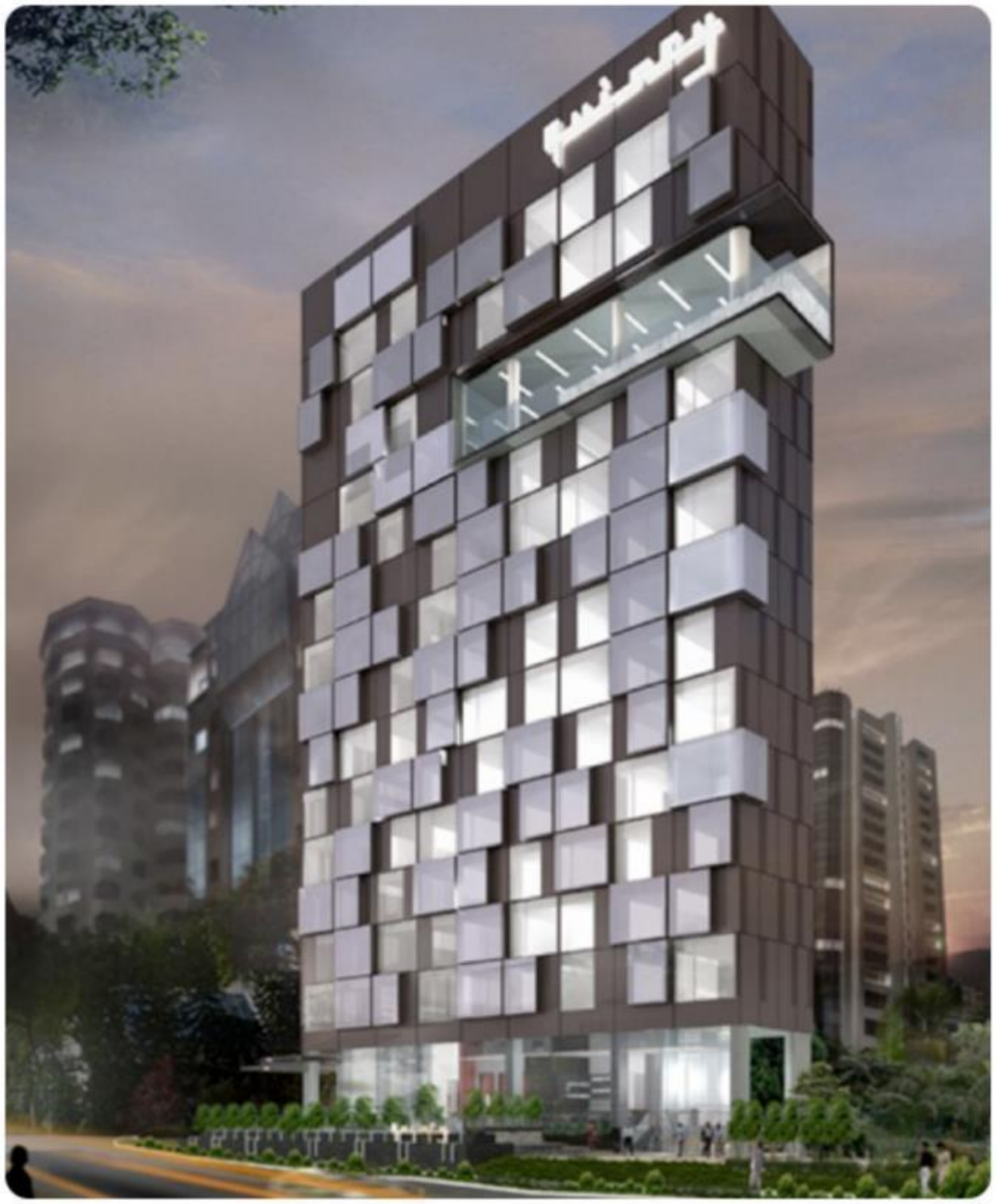


محصولات









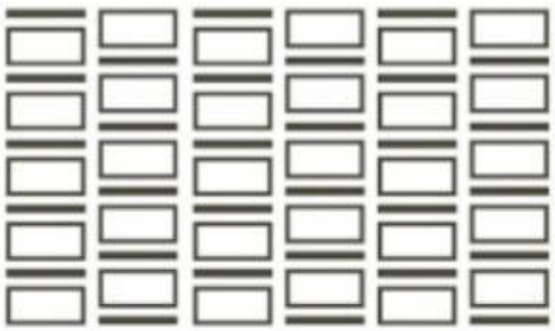
Main Mark

Logotype Concept

The monolithic structure of the logotype, with its right angled turns and constant stroke weight captures the essence of the facade of the building. It becomes a distinctive symbol, that reflects certain characteristics that will appeal to its target user.

The Secondary logotype also makes reference to the modular structure of the facade, but this time generating a pattern that echoes and supports the main logo. Symmetry is added to give order to the dynamic pattern.

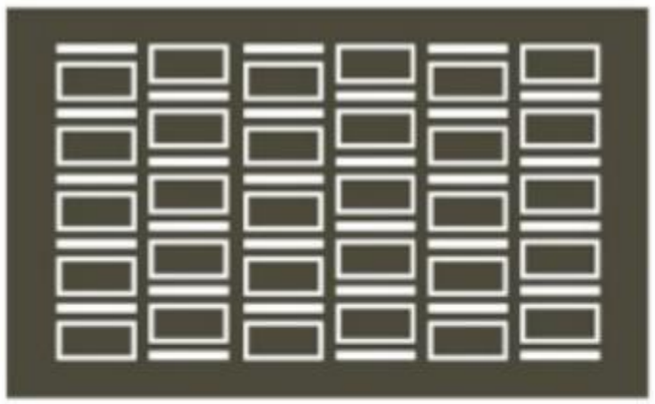
The font used for the main mark is Bousini Carre Medium, developed in 2002 by Bachir Soussi Chiadmi. Because of its outstanding characteristics, it is a strong element in the consolidation of brand identity.



Secondary Logotype

Pantone 4625U

Pantone Process Black



Inverse Variation

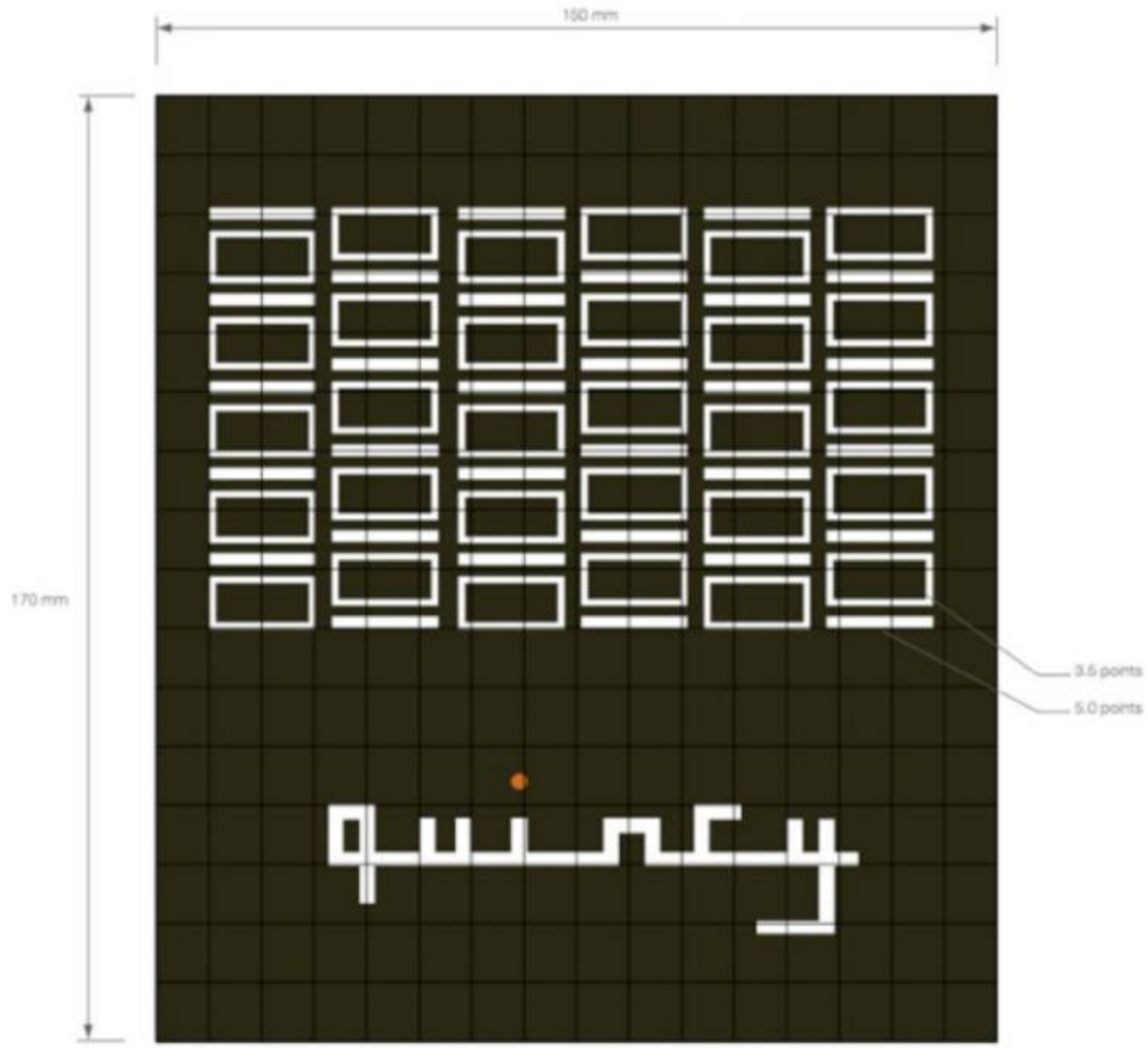
Auxiliary Mark

Logotype Guidelines

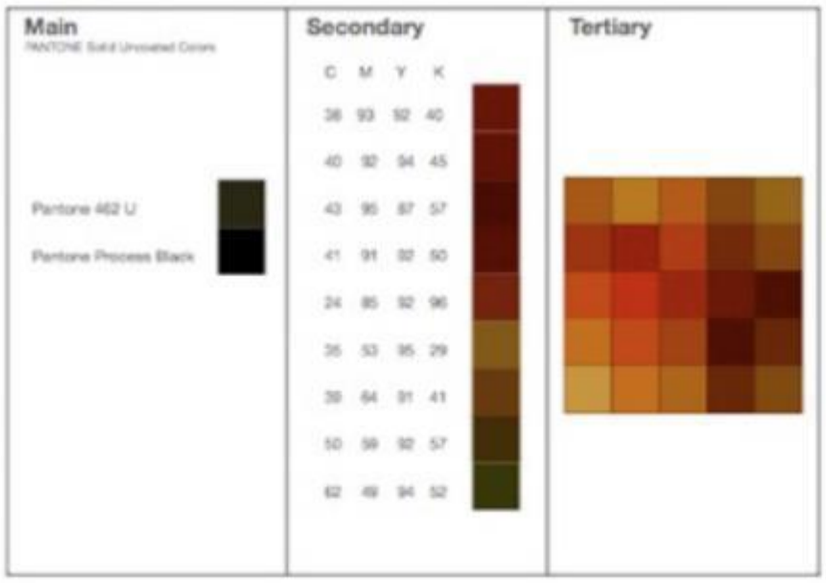
The Main Logotype should be used for all applications on a white or on a very lightly colored base. These include letterheads, envelopes and additional stationery products.

For all other applications that require the use of the logo over a colored base (Secondary colors, only), the option on the right should be used. No paragraph text should be used along the reverse logo. This kind of use should be restricted to signage and collaterals.

On the right you will find three different sizes and the proportions of the logotype with the secondary mark. Other sizes may be used keeping this proportion.



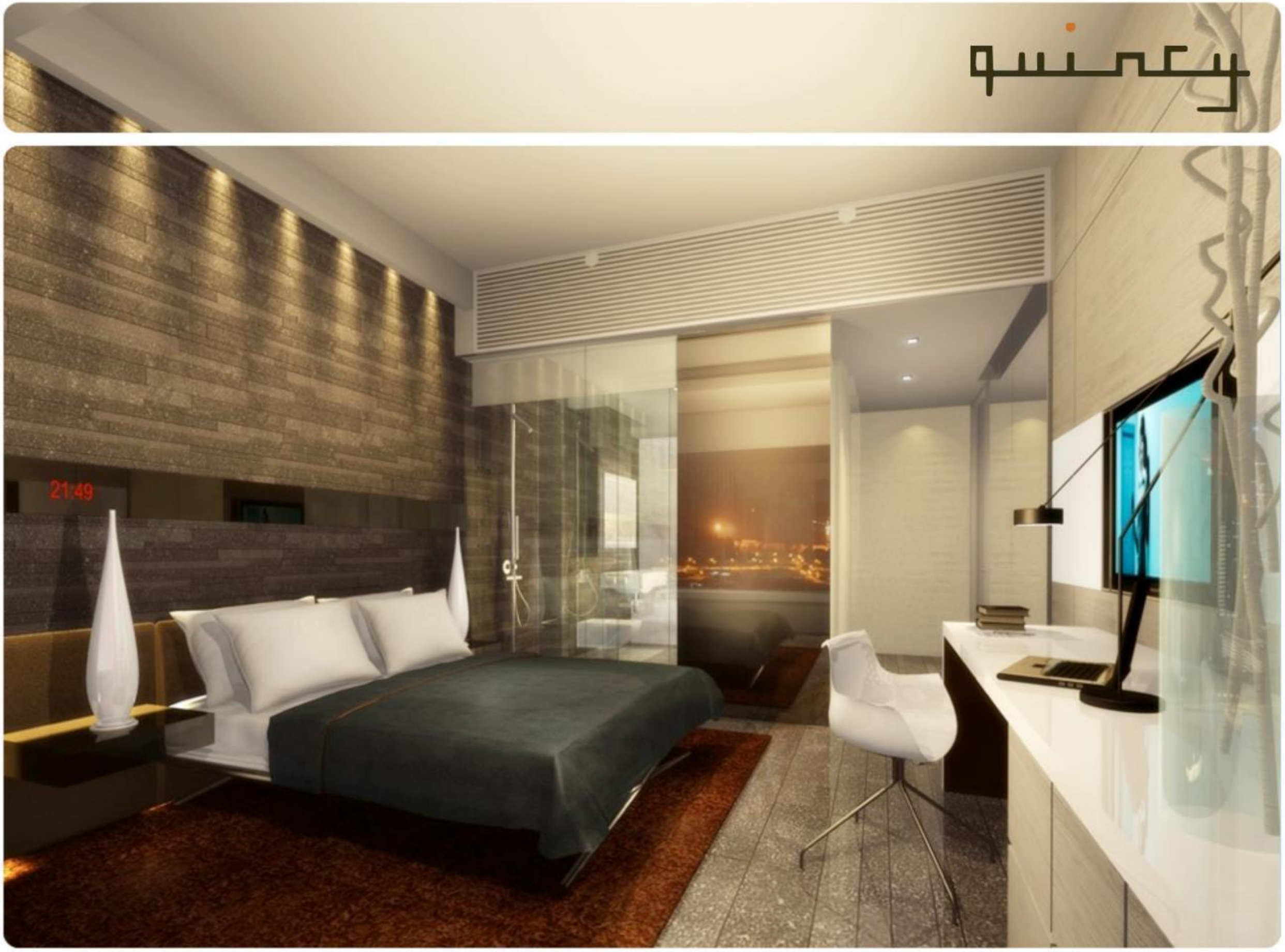
Color Guide

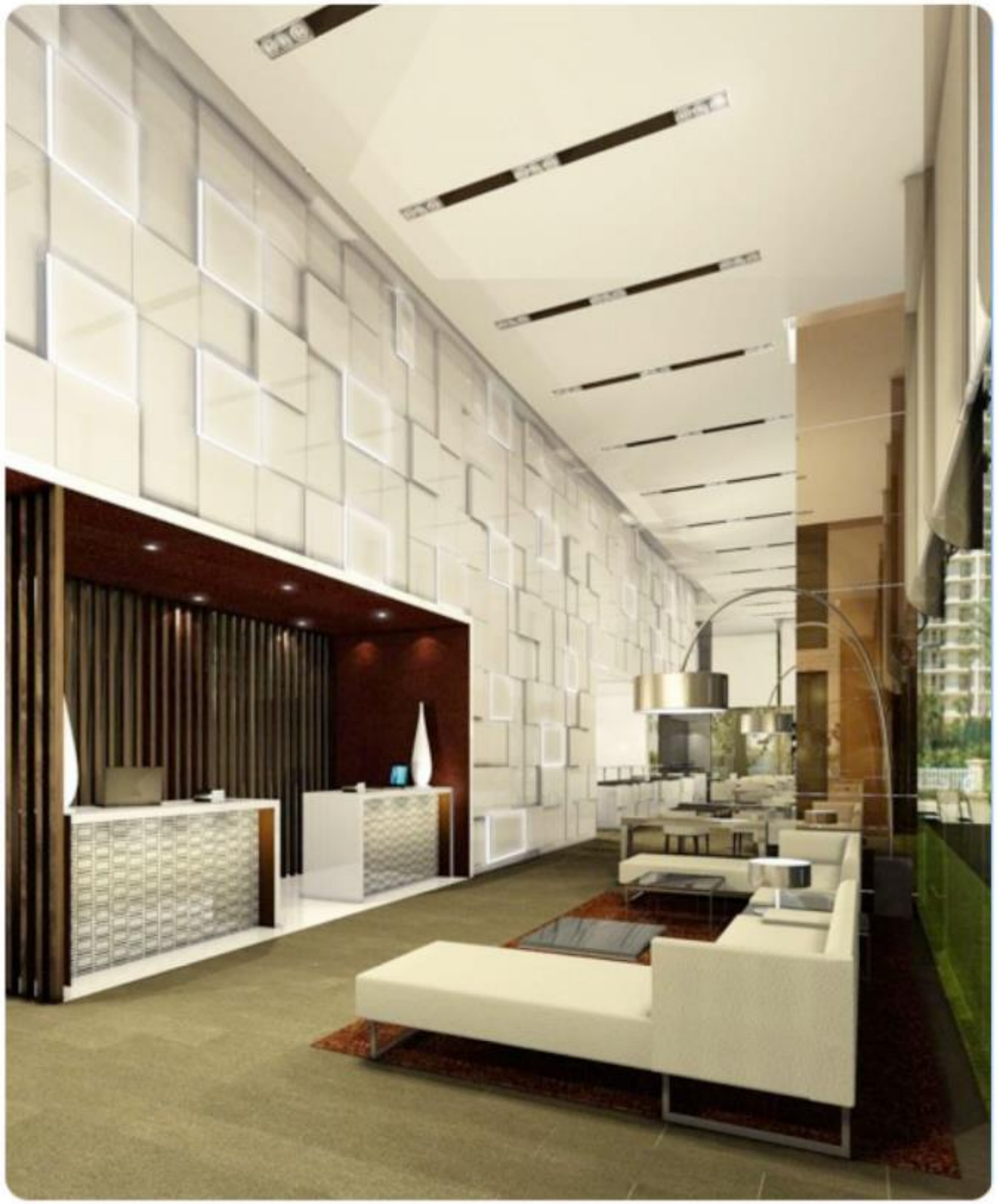


Paul Smith

Paul Smith

SHOP
NEWS
COLLECTIONS
PERSONAL
COMPANY
MUSIC
NEWSLETTER SIGNUP





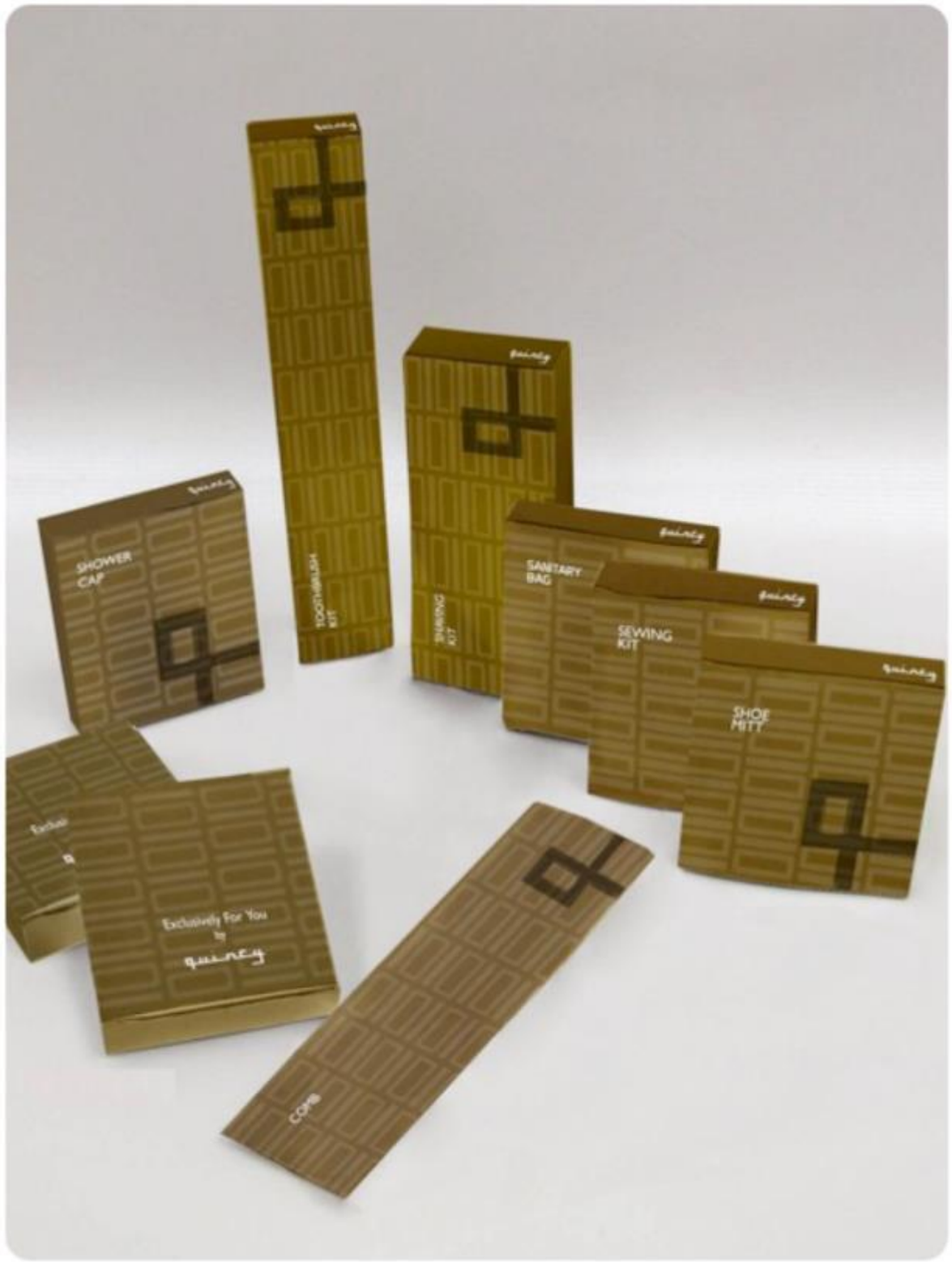
quincy

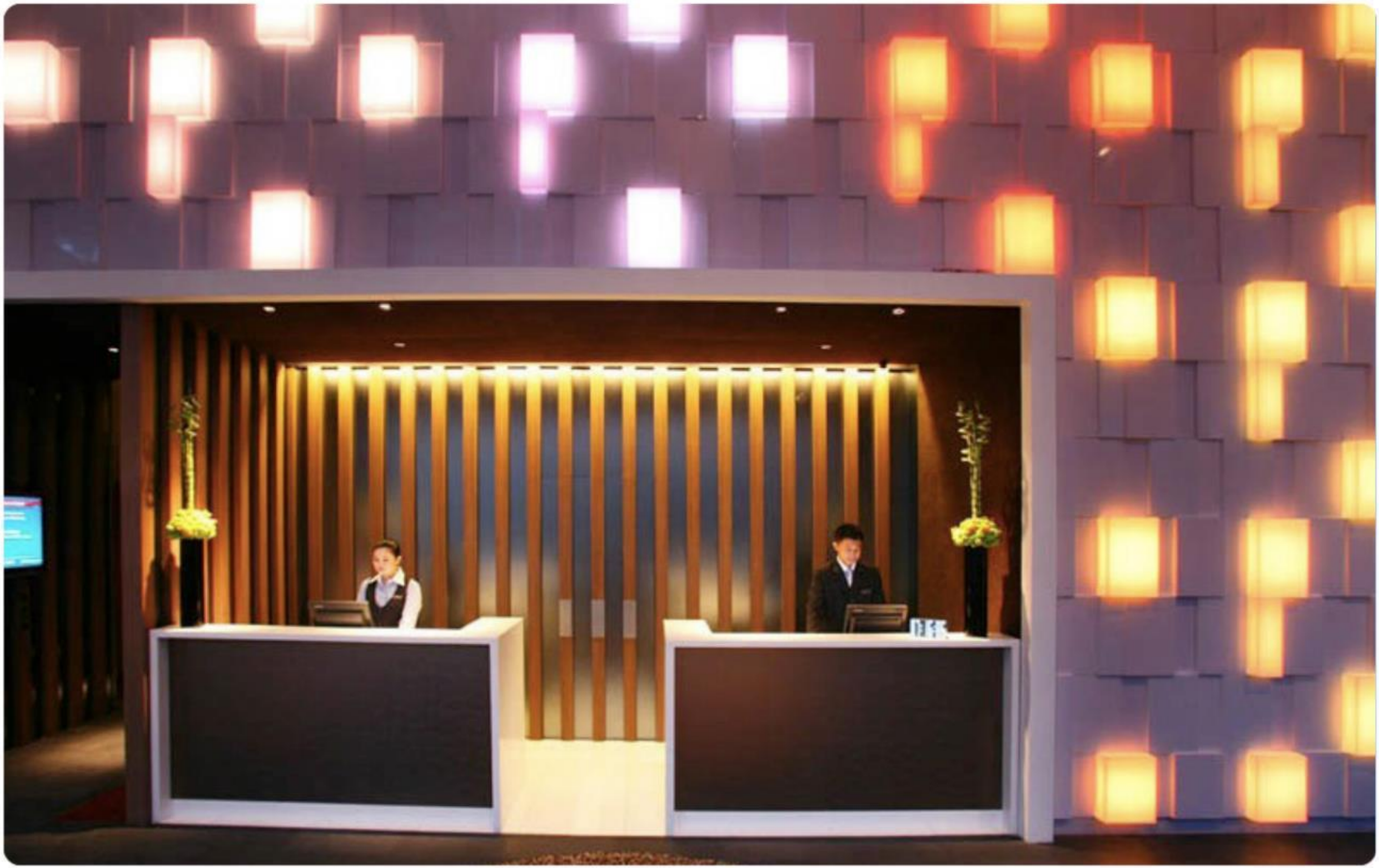
quincy

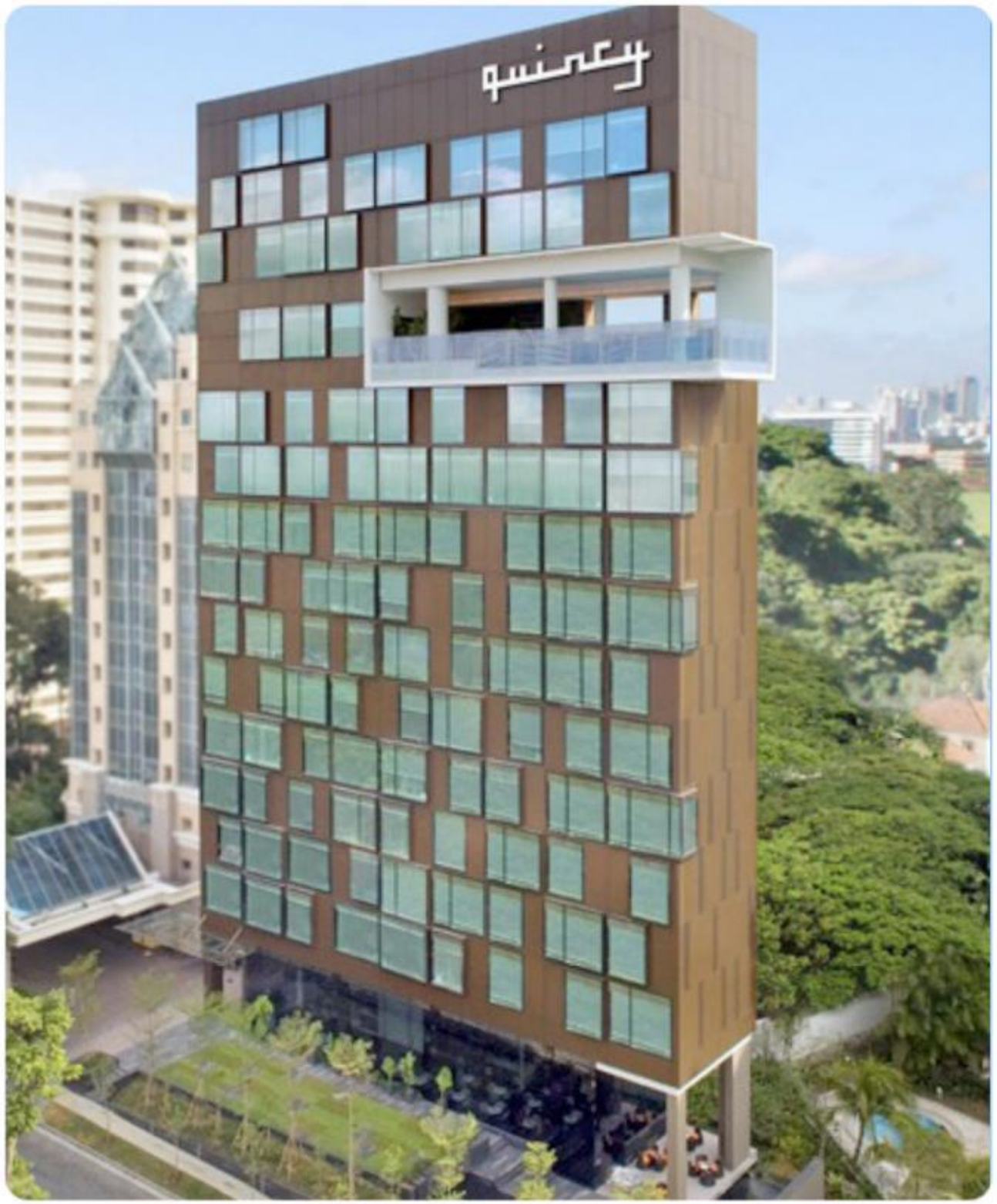

CONDITIONER
SHAMPOO
SHOWER GEL
BODY LOTION
Body Lotion
Ingredients:
Aqua, Stearic Acid, Glycerine, Triolein, Mineral Oil, Glyceryl Stearate, Cetyl Alcohol, Parfum, Triethanolamine, Dimethicone, Persea Gratissima (Avocado) Oil, Prunus Armeniaca (Apricot) Kernel Oil, Prunus Amygdalus Dulcis (Sweet Almond) Oil, Disodium EDTA, Carbomer, Retinyl Palmitate, Tocopheryl Acetate, Methyl Paraben, Propyl Paraben, DMDM Hydantoin, Yellow 5, Yellow 6.
30ml 1.0oz
Product of Malaysia
quincy

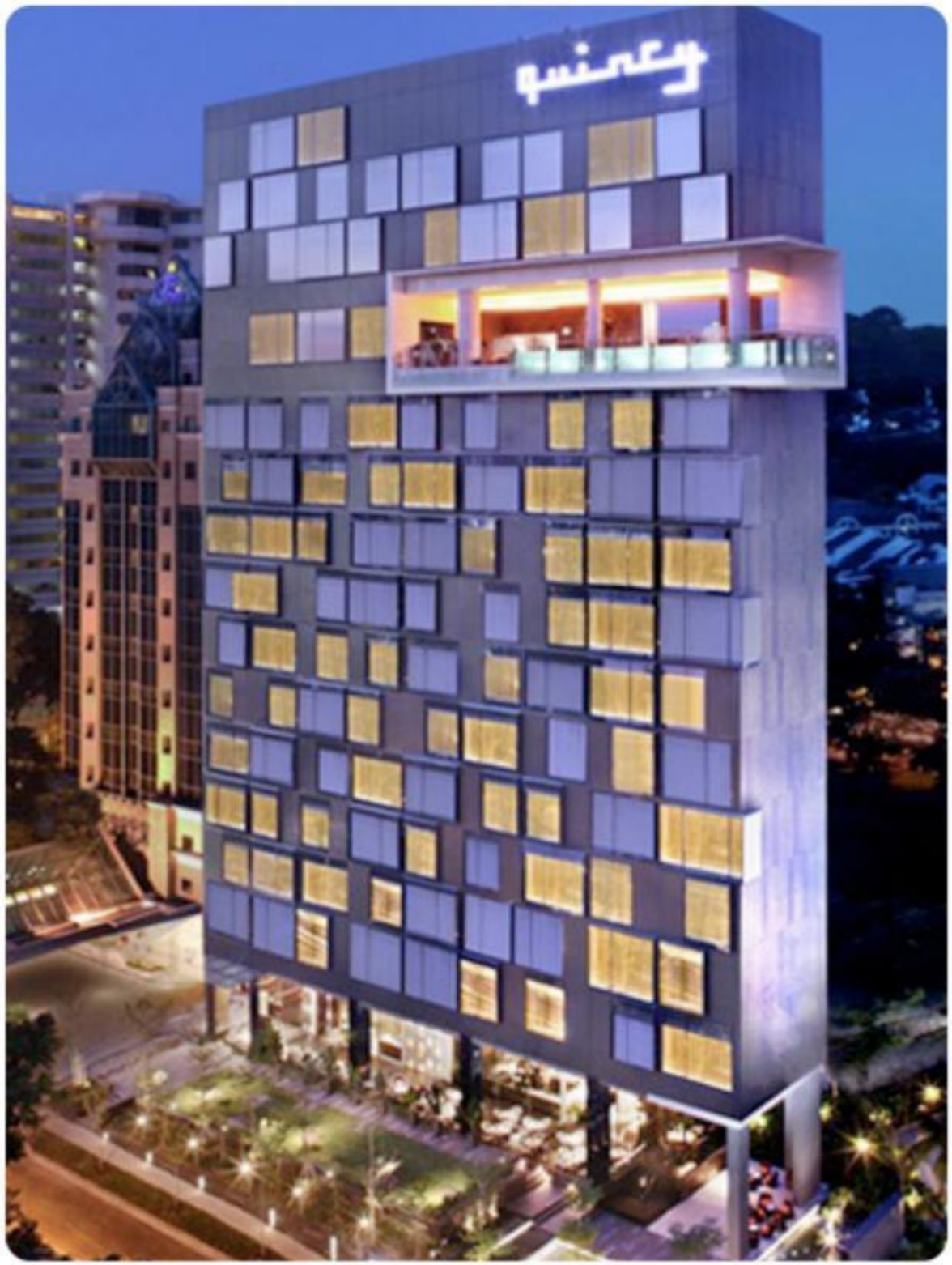
quincy


SHOWER GEL
CONDITIONER
SHAMPOO
BODY LOTION
BODY LOTION
SOAP


SHOWER CAP
TOOTHBRUSH KIT
SHAVING KIT
SANITARY BAG
SEWING KIT
SHOE MITT
Exclusively For You
by
quincy
COMB







AL ANSAR MOSQUE

SINGAPORE

UNFOLDING THE STORY

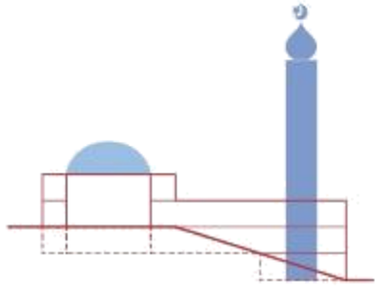
Al-Ansar Mosque has been part of **Bedok** landscape since **1981**. Therefore other than being a symbol for the core beliefs and values of Islam, the re-construction of Al-Ansar Mosque must also responds to the **multi-cultural community** which it is a part of. The openness that the new design has is inviting, and hopes to **broaden and deepen** the understanding and practice of Islam to the community at large.

AL ANSAR
THE BLUE MOSQUE

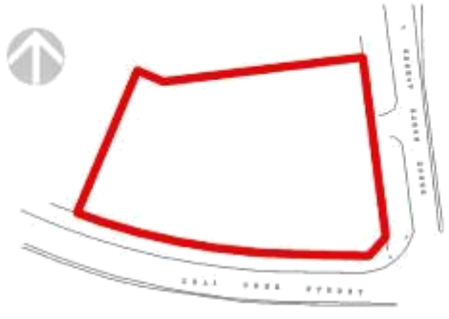
1981 - 2013

DESIGN BRIEF

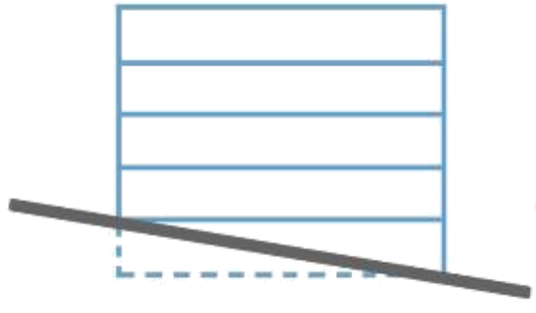
DESIGN PARAMETER



Upgrading works
Reconstruction of the existing mosque

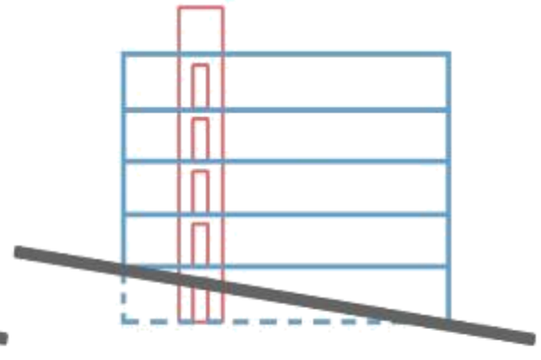


Site Area: **3165.2 sqm**
Plot Ratio : **1.4**
Post-award Plot Ratio : **1.5**



4 storey max. building height
Max. GFA : **4431.3 sqm**
Post-award max. GFA : **4747.8 sqm**

50% GFA for prayer area
28 lots of car parking



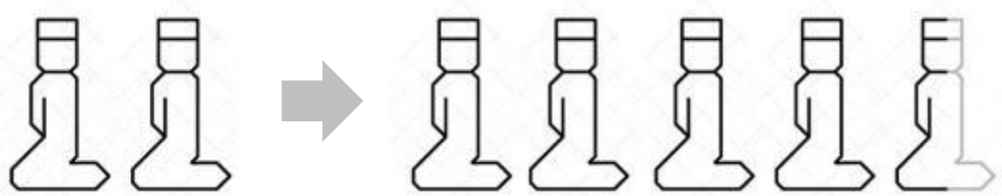
1 no. of lift
(13 pax capacity)

DESIGN PARAMETER

MULTI-FUNCTIONAL PROGRAMME

- Congregational Prayers
- Madrasah Classes
- a.L.I.V.E regional campus
- Kindergarten
- Admin Block

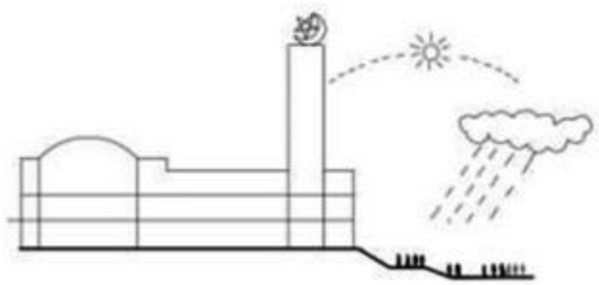
PRAYER HALL CAPACITY



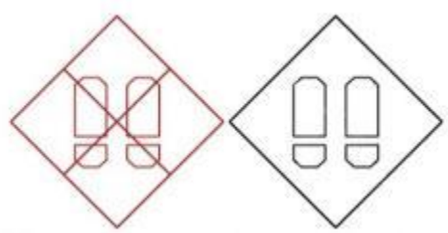
2500 pax **4500 pax**

UNIVERSAL DESIGN

WEATHER PROTECTED COMMUNAL SPACES

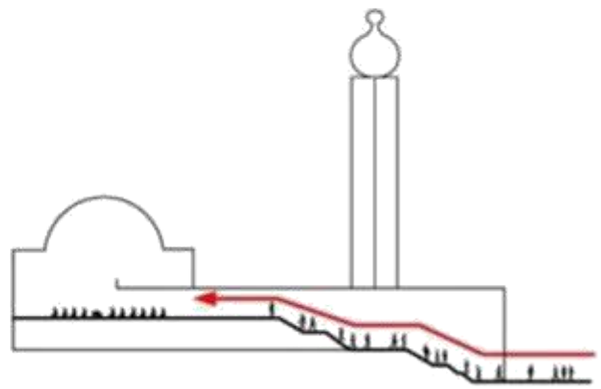


DEDICATED NO-SHOE AREA



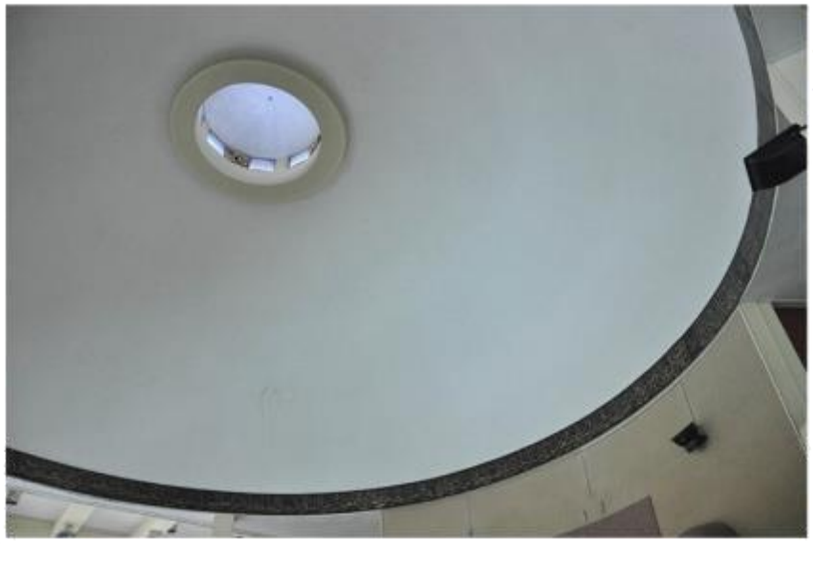
CHALLENGES & CONSTRAINTS

ACCESSIBILITY

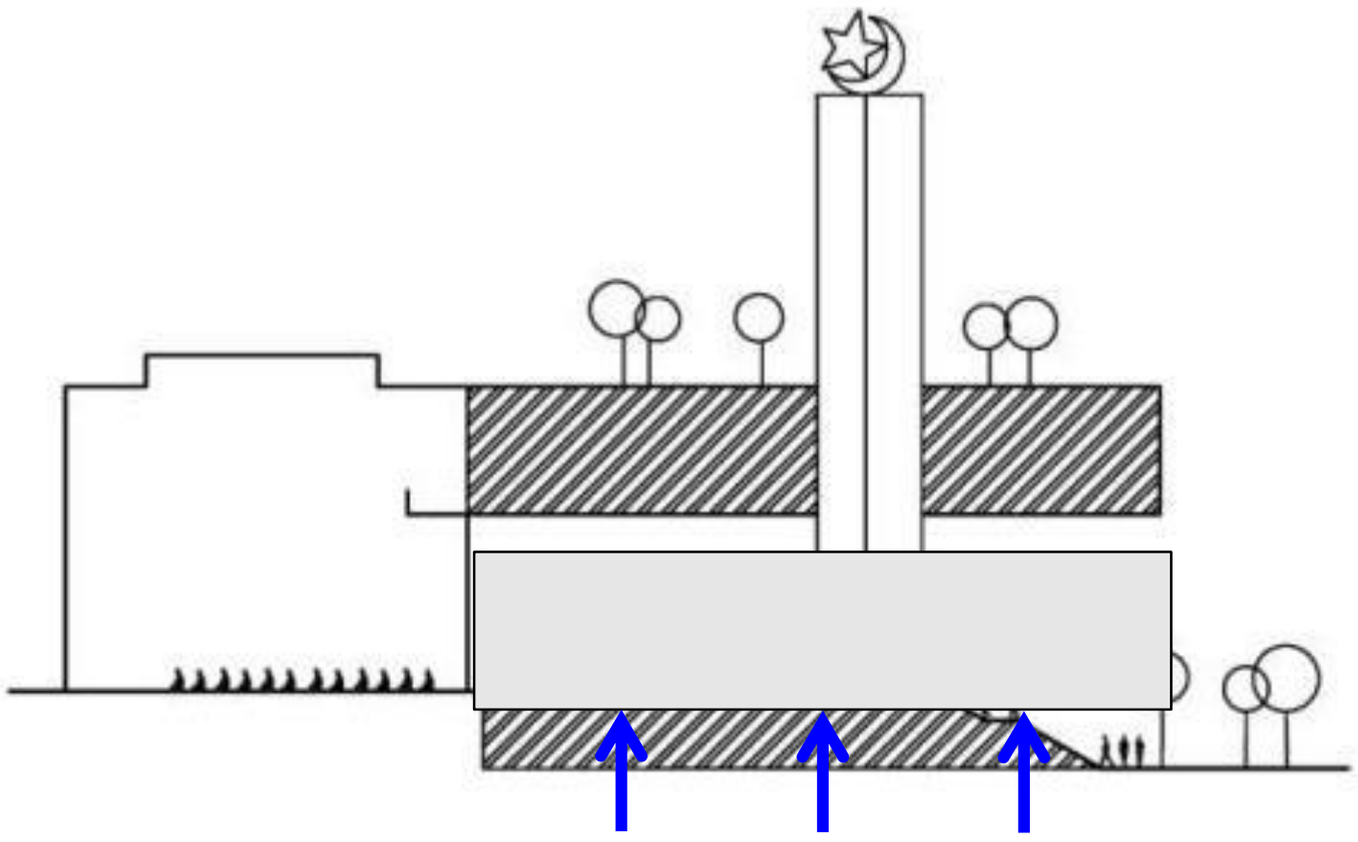


POOR DAYLIGHT & VENTILATION

ICONIC ELEMENTS

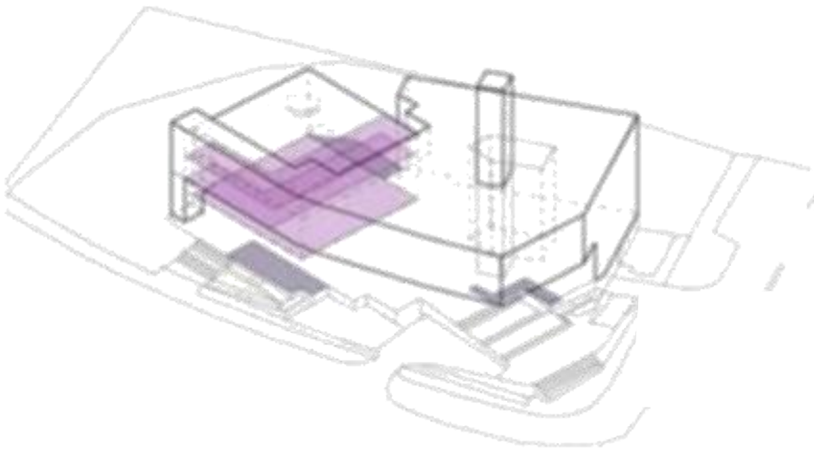


DESIGN APPROACH

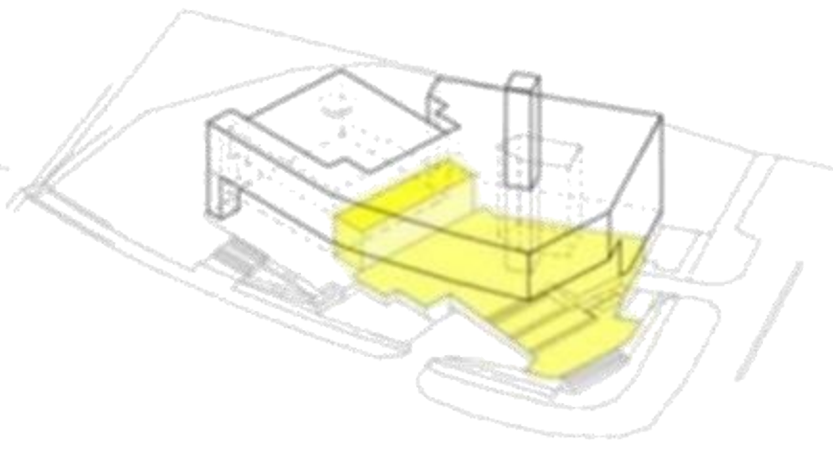


LIFTING THE PODIUM = CREATION OF PLAZA

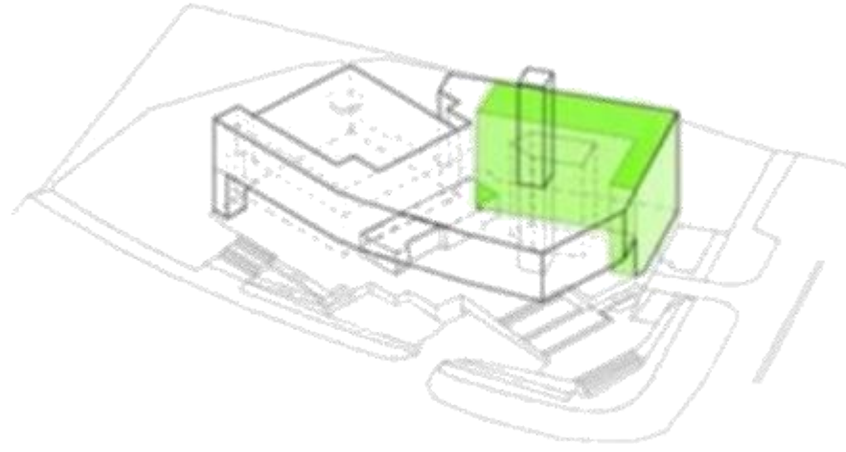
PROGRAMME



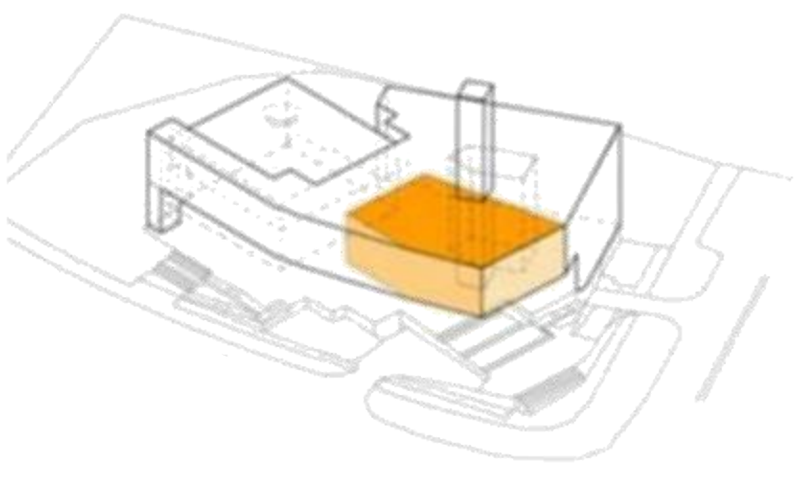
PRAYER & ABLUTION



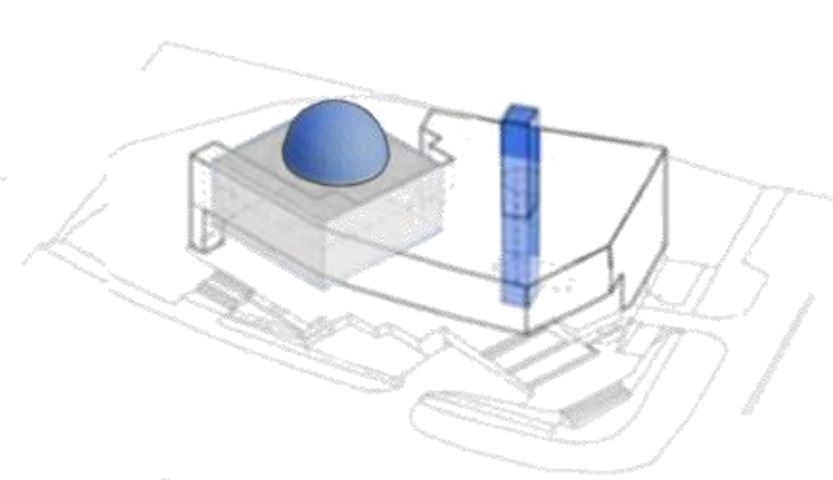
COMMUNITY PLAZA
(EXTENDED PRAYER HALL)



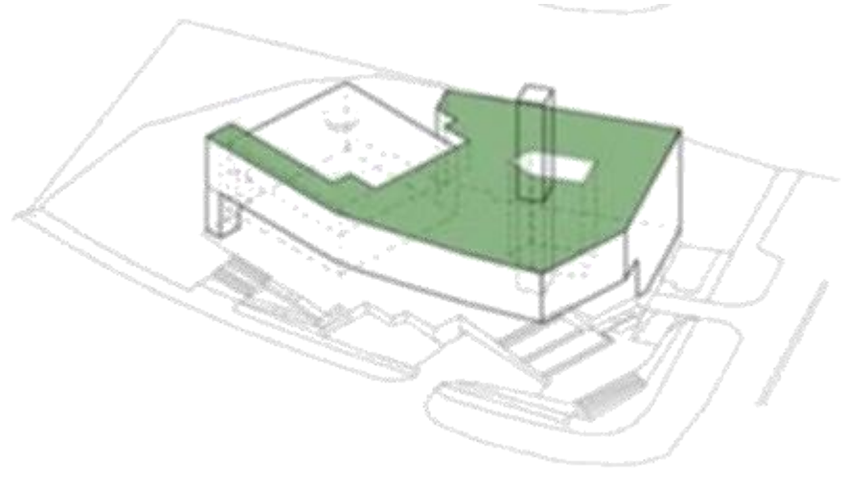
ISLAMIC LEARNING CENTER,
ADMIN, AND KINDERGARTEN



MULTI-PURPOSE ROOM

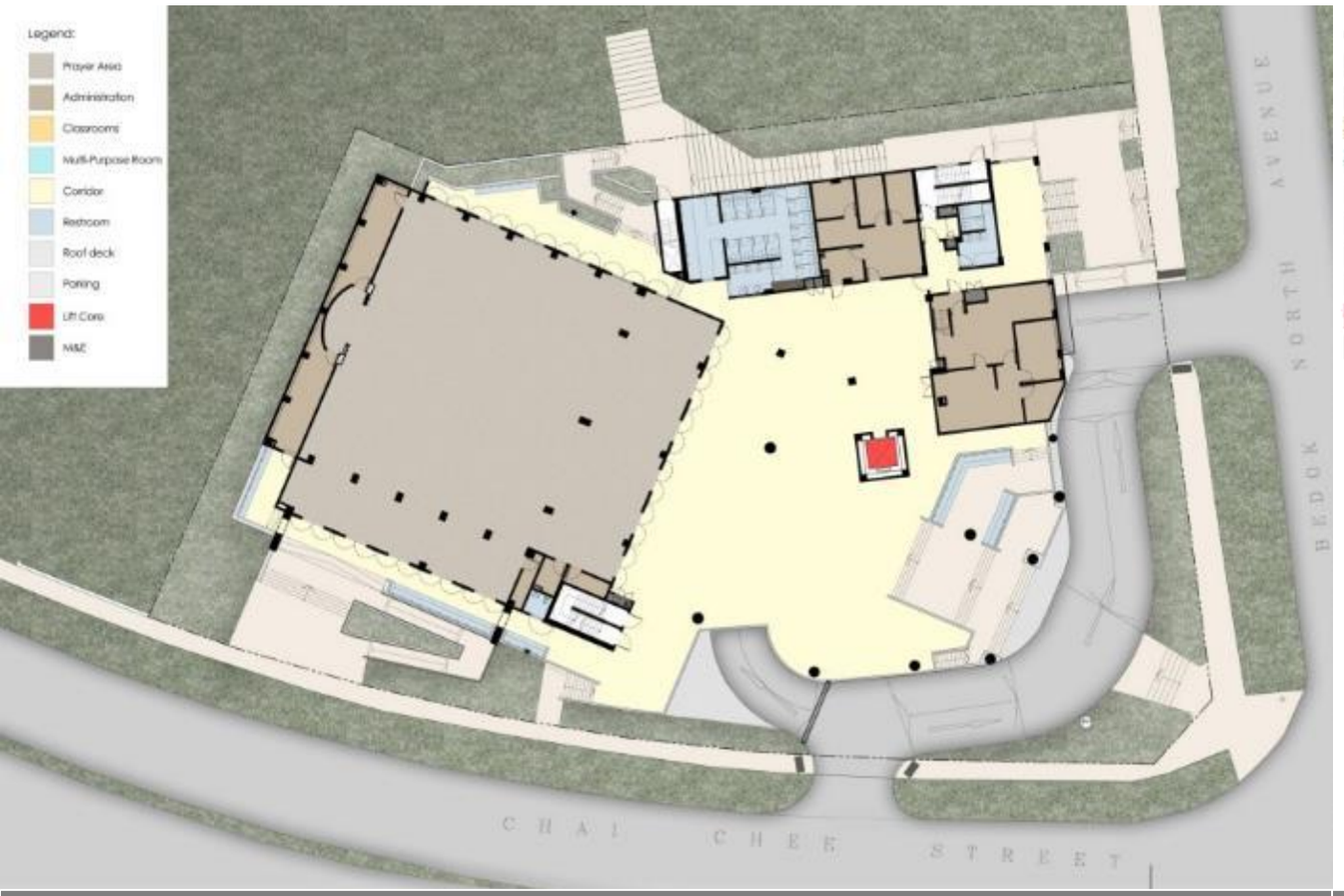


RETAINING THE HERITAGE

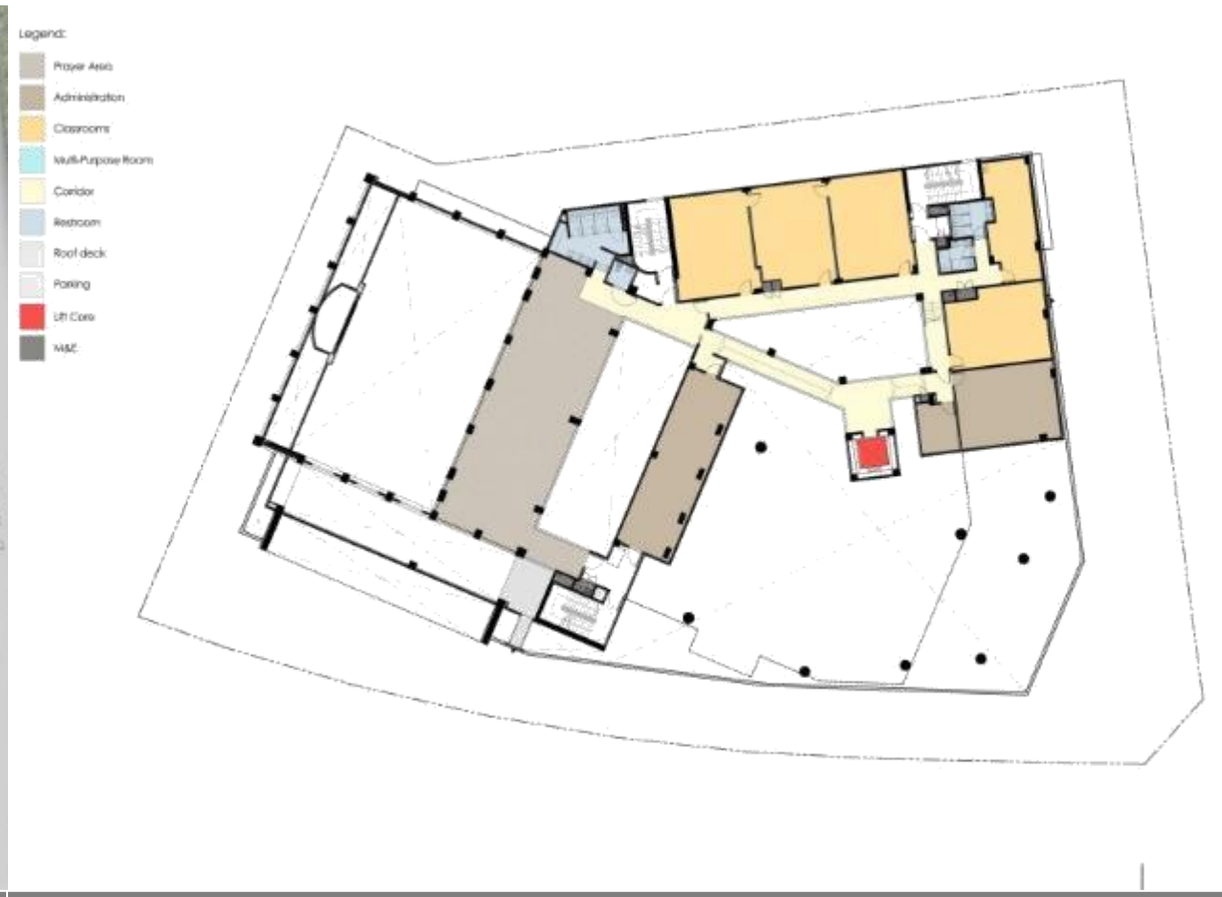


EXPRESSING THE NEW

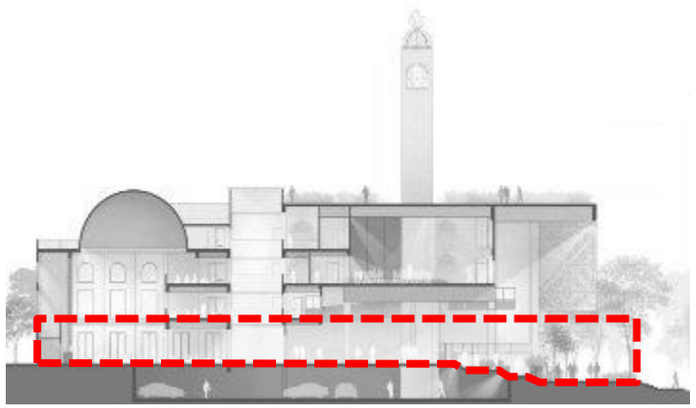
FLOOR PLAN

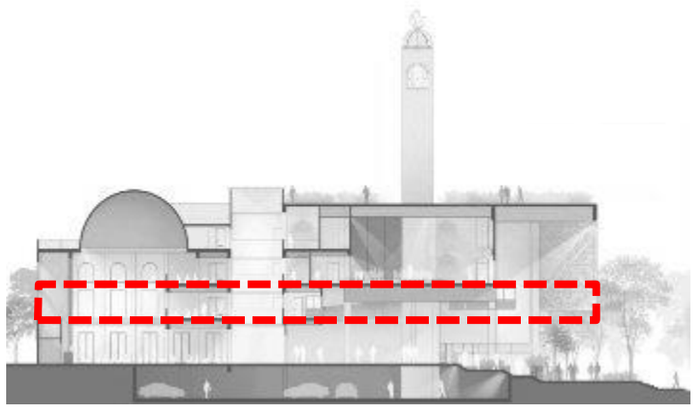


GROUND FLOOR PLAN



TYPICAL FLOOR PLAN

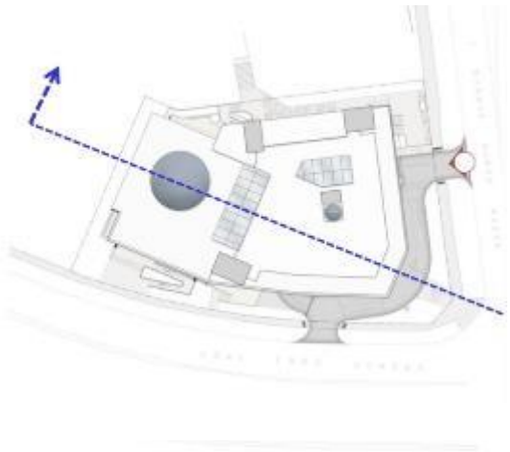




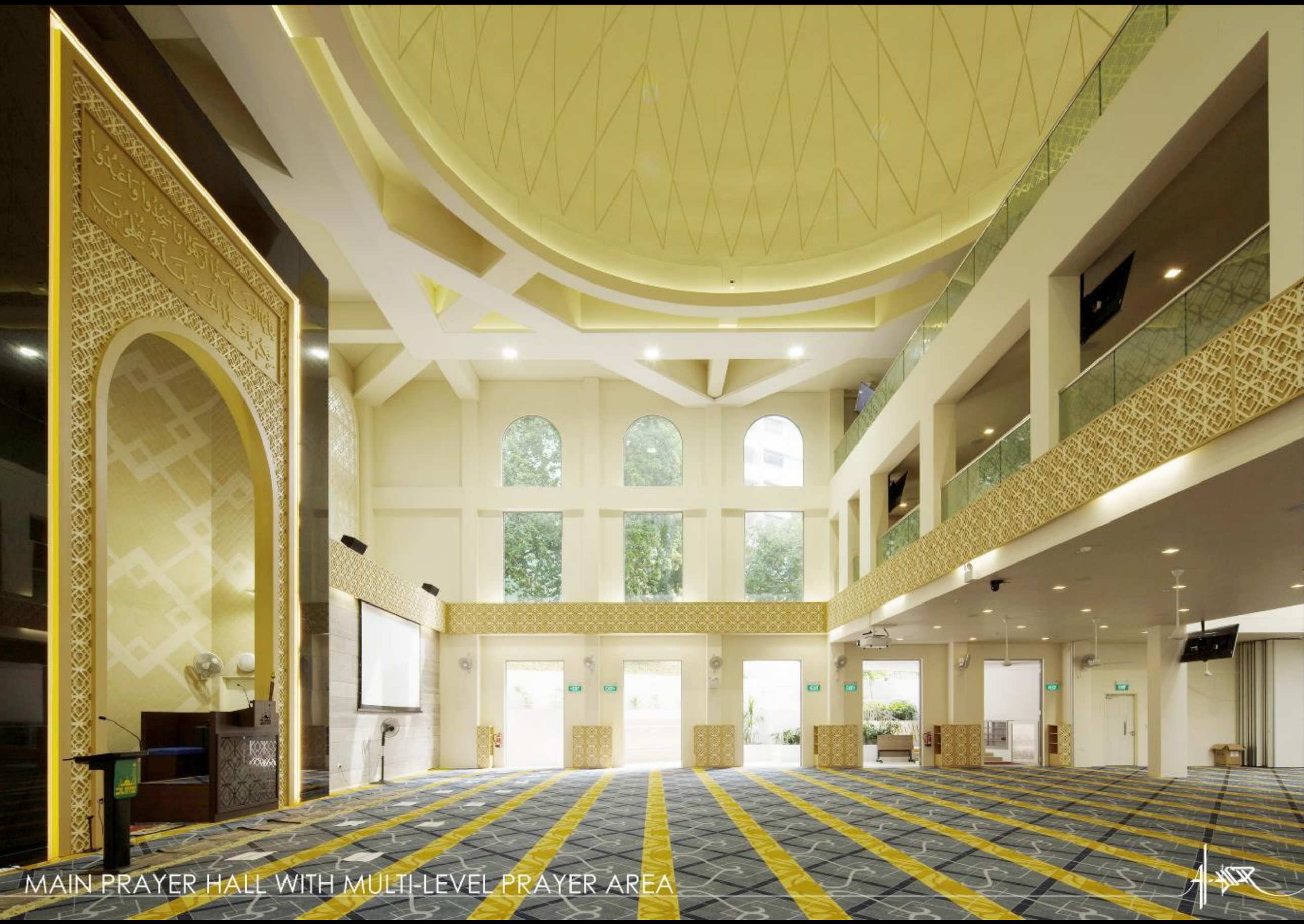
SECTION

UPGRADED PRAYER HALL | SKYLIGHT | NEW MULTI-PURPOSE HALL

NEW URBAN PLAZA

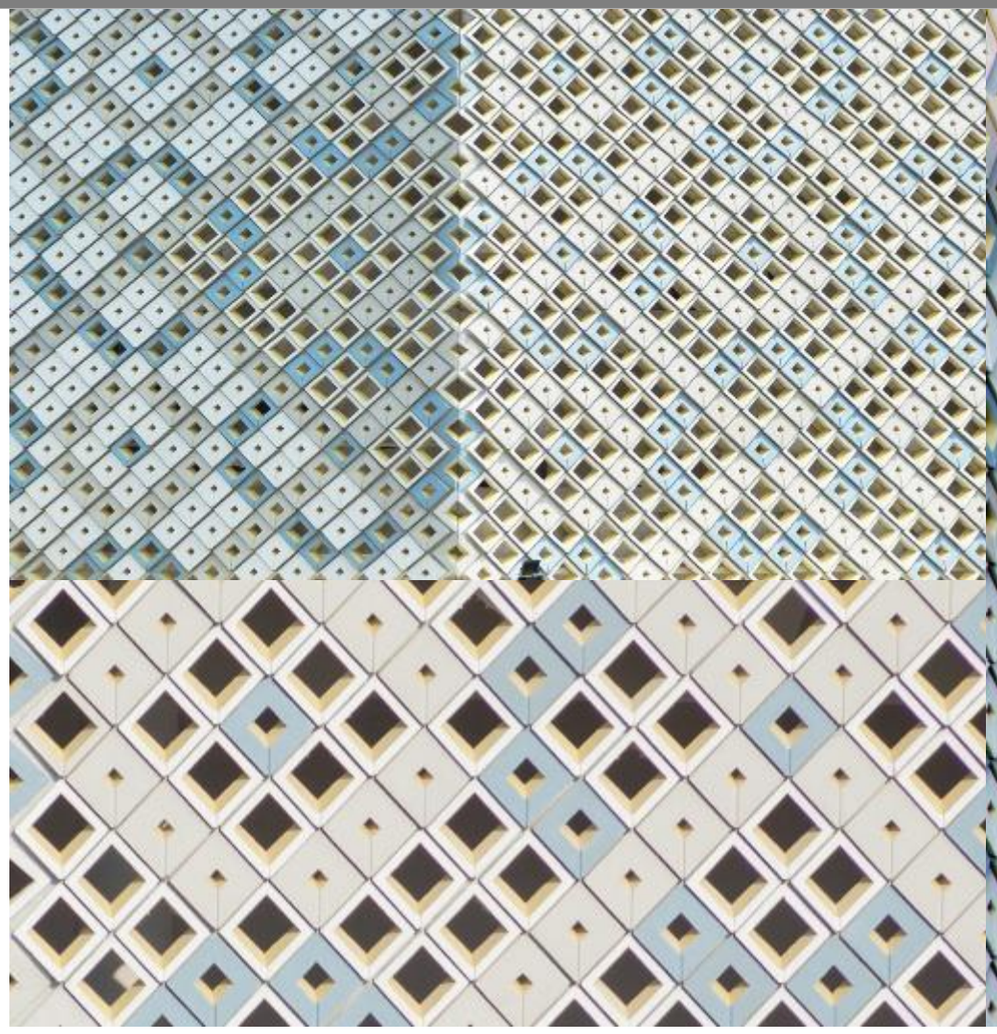


ADAPTIVE REUSE OF
MINARET TO LIFT CORE



MAIN PRAYER HALL WITH MULTI-LEVEL PRAYER AREA

FACADE



Inspired by the **Arabesque**, the façade bears an intricate pattern of interlocking rotated squares. These are crafted in different sizes and layered on secondary structure to create a delicate pattern that are bound to be synonymous with Al-Ansar Mosque.

The façade allows **natural daylight** to filter into inner spaces, whilst enabling airflow to **naturally ventilate** the building. The structure functions like a **porous, open volume**. Blue and yellow are used strategically to **revoke the memory** of the old mosque.

NIGHT VIEW FROM CHAI CHEE STREET

MODESTY SCREEN

SKYLIGHT

ETCHED PATTERN AT GLASS DOORS

SHADOW PLAY OF THE ARABESQUE MOTIF

Al-Ansar Mosque, *Singapore*

architecture • lighting / **religious**

American Architecture Prize,
Restoration and Renovation Category
Winner, 2017

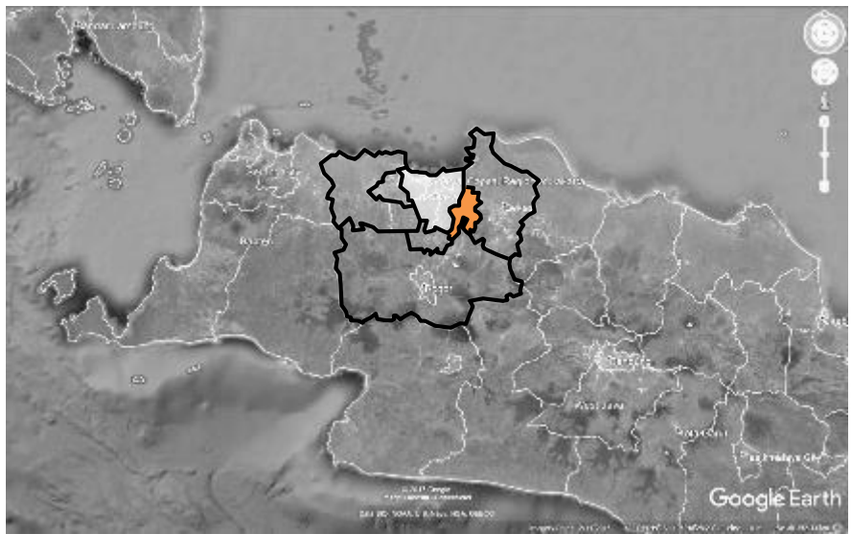
MIPIM Asia Award
Best Refurbished Building,
Silver, 2015

WAN Adaptive Reuse Award
Finalist, 2015

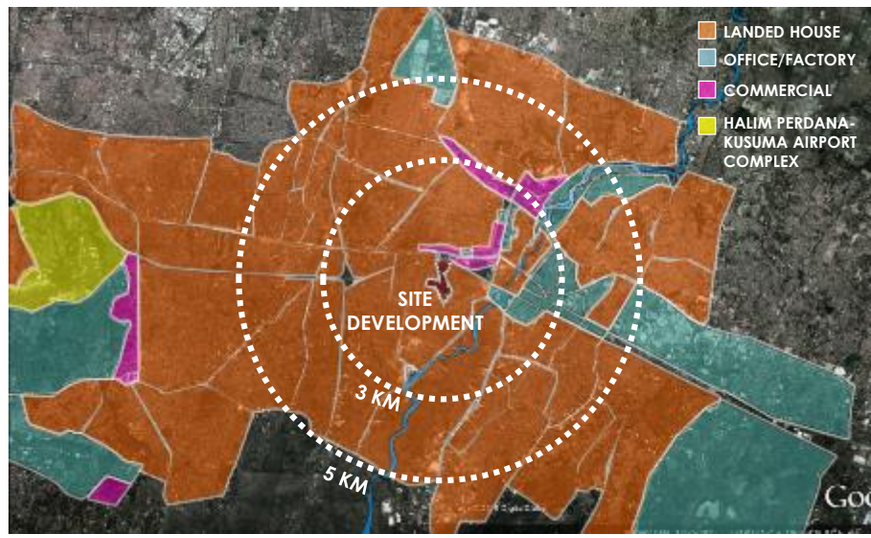
KAMALA KANDARA

BEKASI, INDONESIA

INDONESIA



GREATER JAKARTA (BOGOR, DEPOK, TANGERANG, **BEKASI**)



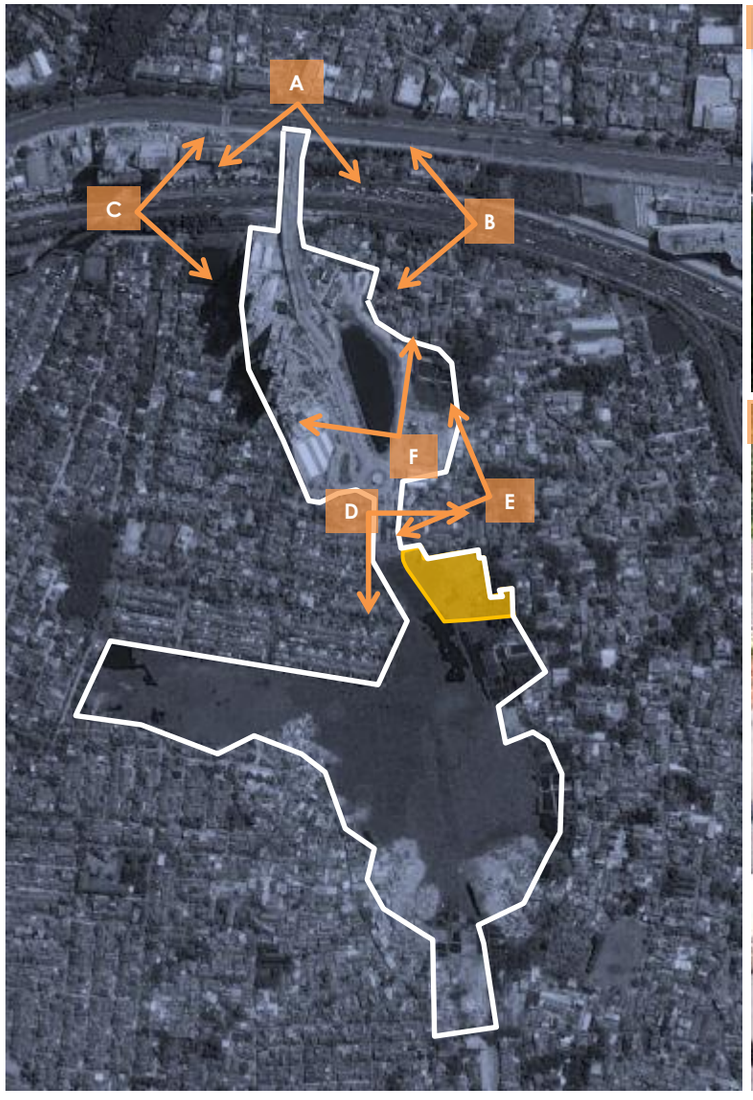
SITE SURROUNDING

HIGHLY POPULATED

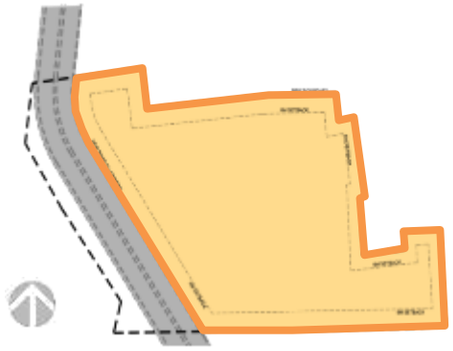
LOW-RISE HIGH DENSITY URBAN SPRAWL

LACKING PUBLIC SPACE

SITE PHOTOS



AREA DISTRIBUTION



SITE AREA	: **13,650 sqm**
PLOT RATIO	: **12**
ALLOWED GFA	: **163,800 sqm**
SITE COVERAGE	: **45% (6,140 sqm)**
GREEN COVERAGE	: **10%**
MAX. HEIGHT	: **145 m**

= 163,800 sqm

GFA

RESIDENTIAL UNITS
118,000 sqm

+

INDOOR FACILITIES
8,000 sqm

+

CIRCULATION
17,500 sqm

+

CORE & SERVICE
20,300 sqm

NON-GFA

OUTDOOR FACILITIES/ LANDSCAPE
15,000 sqm

+

CARPARK
30,000 sqm

= 45,000 sqm

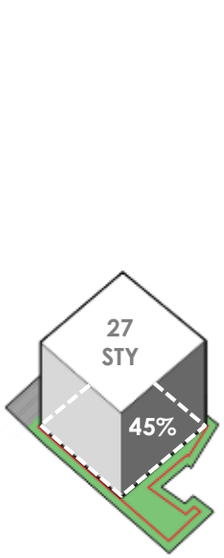
TOTAL CFA= 208,800 sqm

= 1,000 sqm

KAMALA KANDARA

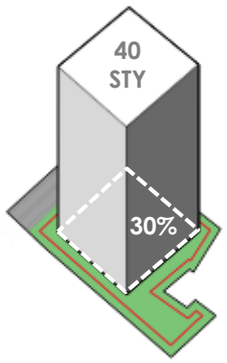
KAMALA KANDARA

HOW TO BUILD A **SUPER DENSE**, YET **LIVABLE** BUILDING?



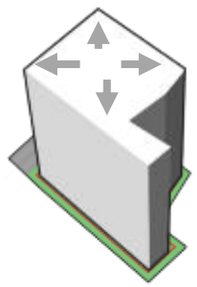
EXTENDING

BUILDING FOOTPRINT MAXIMISING SITE COVERAGE



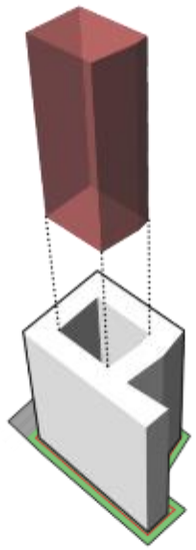
MAXIMISING

EXTRUDING THE MASS TO MAXIMIZE ALLOWABLE BUILDING HEIGHT



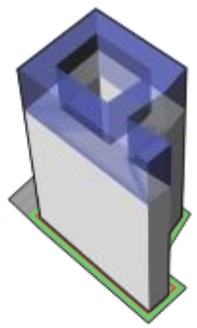
EXPANDING

ACHIEVING MAXIMUM FRONTAGE BY HUGGING THE BOUNDARY



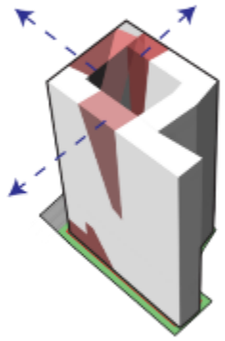
HOLLOWING-OUT

THE MONOLITHIC BLOCK IS HOLLOWED OUT TO CREATE **CENTRAL COURTYARD** THAT SERVES AS **COMMUNAL SPACES**



GROWING

THE VOLUME IS ADDED BACK TO MAXIMIZE BUILDING HEIGHT AND THEREFORE **RE-LOCATING THE GFA**

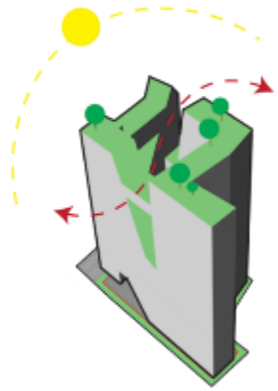


WEATHERING

THE DOUGHNUT ENCLOSURE IS CARVED OUT LIKE A WEATHERING PROCESS, **CREATING ICONIC VALLEY**-LIKE FORM AND **VISTA TO THE VIEW OUTSIDE**

BRIDGING

SKY BRIDGES ARE ADDED TO MAXIMISE THE GFA COUNT AND FREEING UP SPACES FOR **MORE INCIDENTAL COMMUNAL SPACES**

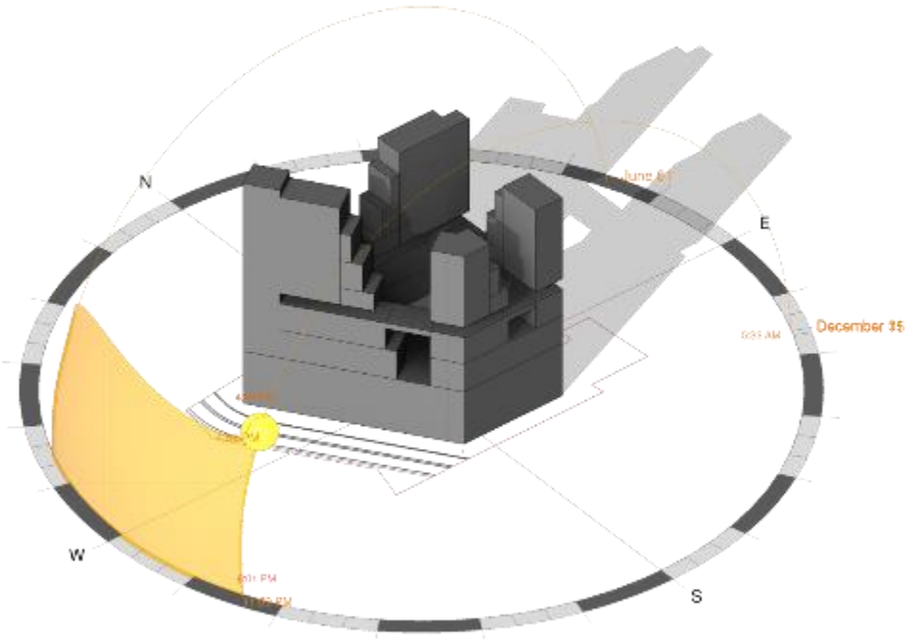


LANDSCAPING

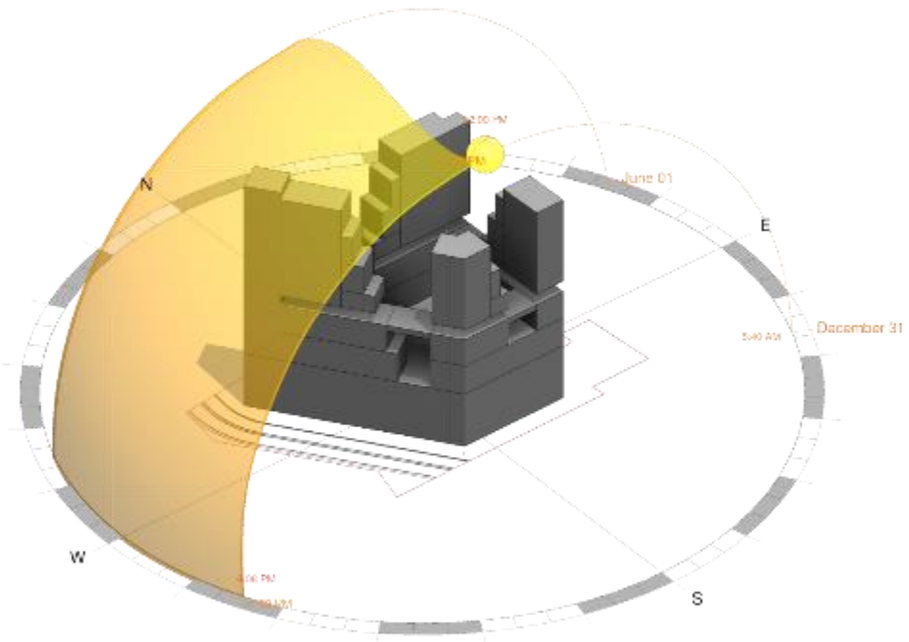
INCIDENTAL SPACES AND SKYBRIDGES ALLOWS FOR PROVISION OF **COMMUNAL GREEN SPACES.** AT THE SAME TIME, CARVED OUT SPACES ALLOWS **SUNLIGHT AND WIND PENETRATION**

KAMALA KANDARA

CONCEPTUAL DESIGN & ANALYSIS - SUN SHADOW ANALYSIS

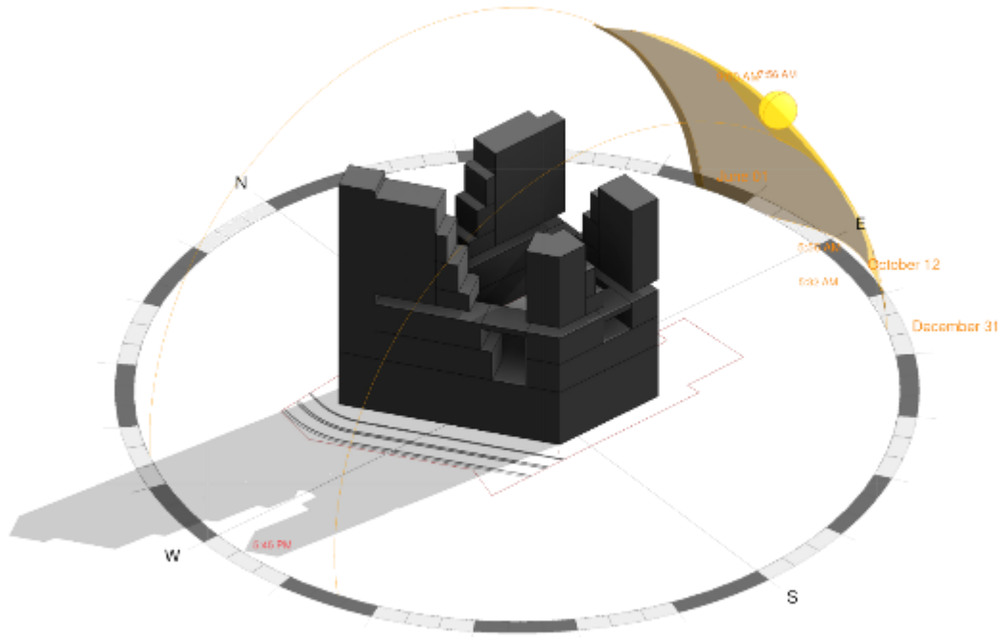


SUN PATH
4PM DECEMBER-JANUARY



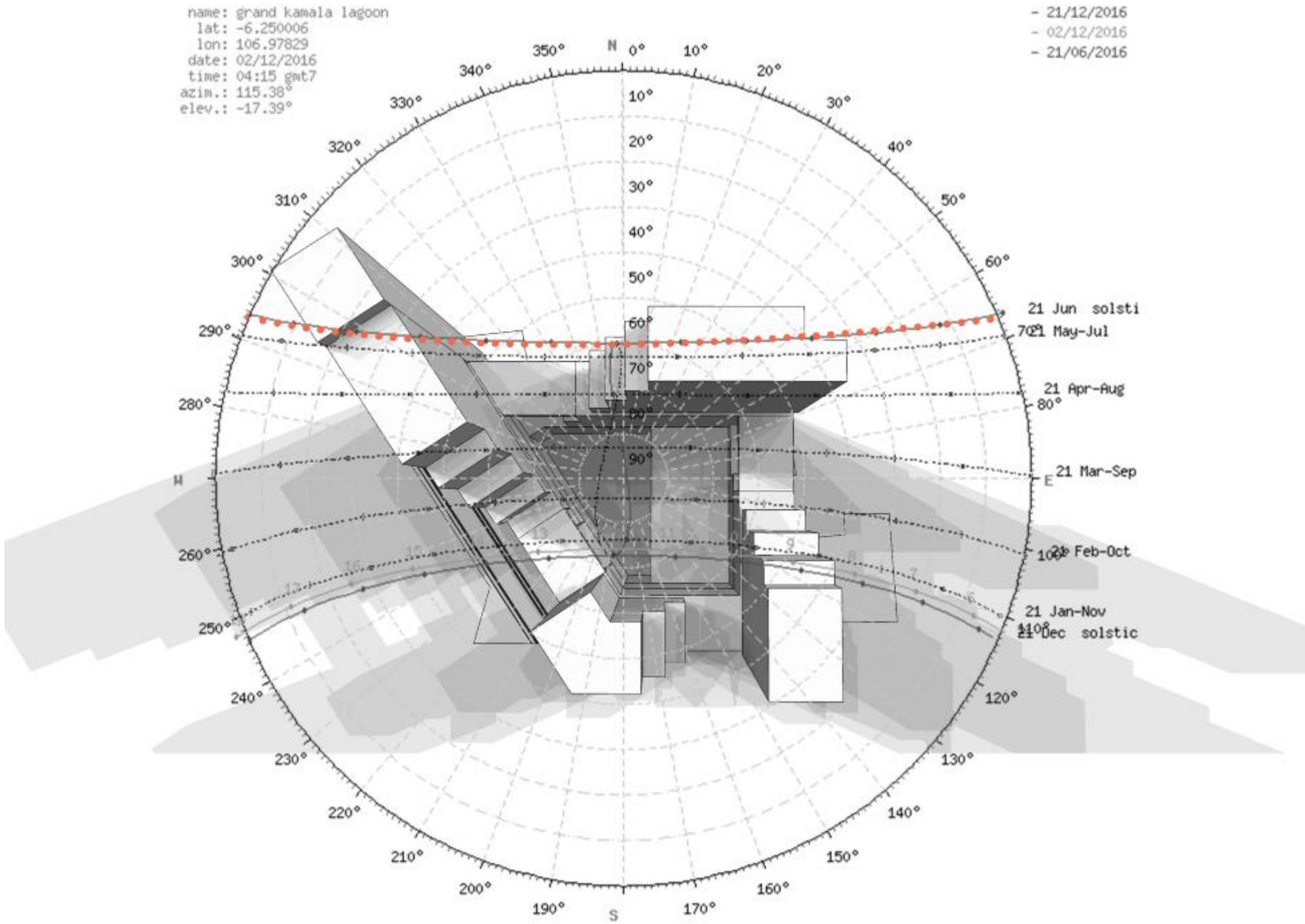
SUN PATH
12PM DECEMBER-JANUARY

Evaluate design options side-by-side



SUN PATH
9AM DECEMBER-JANUARY

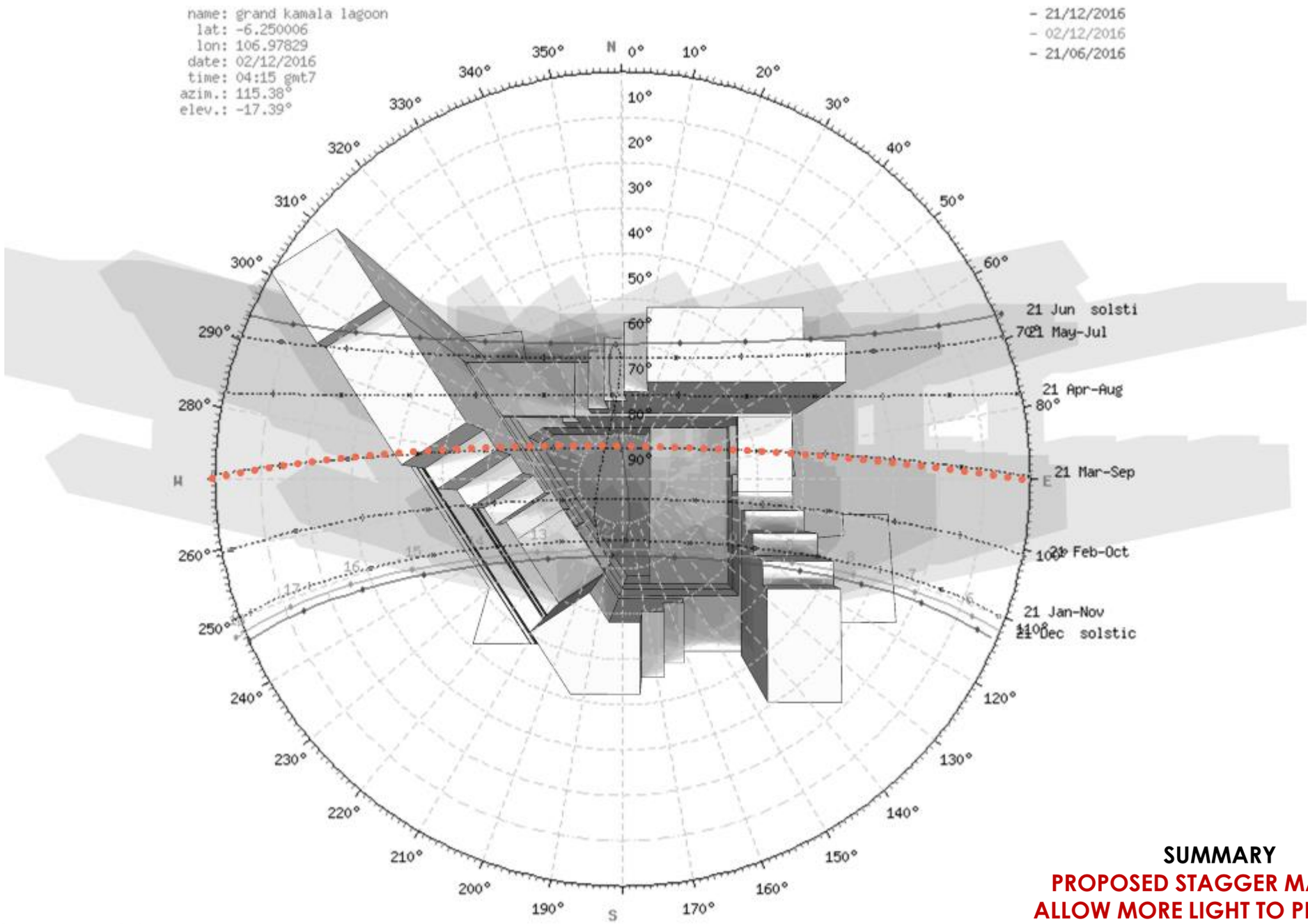
CONCEPTUAL DESIGN & ANALYSIS - SHADOW ANALYSIS



SHADOW ANALYSIST

JUNE-MAY

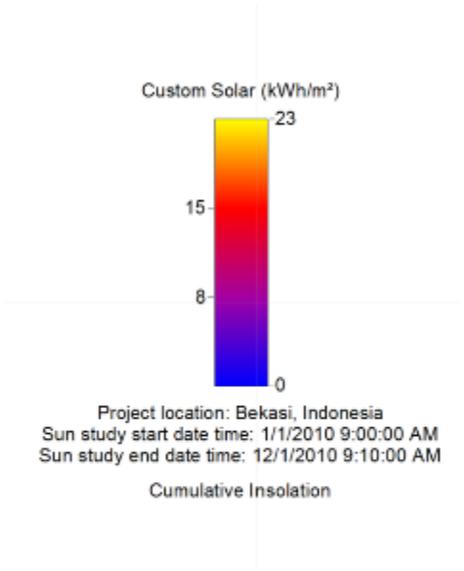
CONCEPTUAL DESIGN & ANALYSIS - SHADOW ANALYSIS

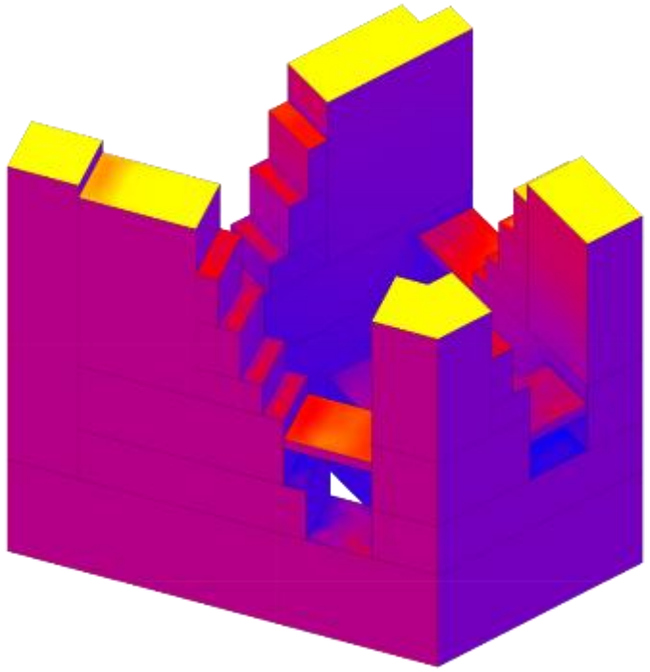


SHADOW ANALYSIST
MARCH-SEPTEMBER

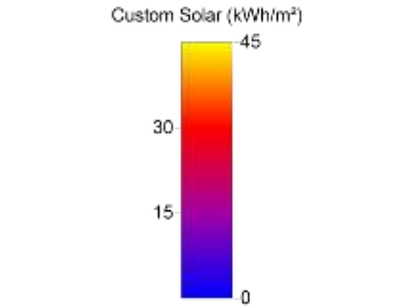
SUMMARY
PROPOSED STAGGER MASSING ALLOW MORE LIGHT TO PENETRATE THE CENTRAL COURTYARD

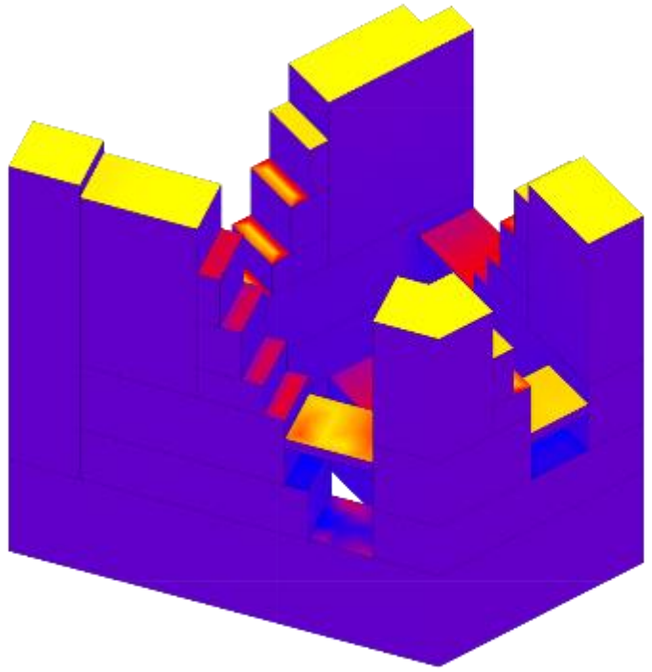
CONCEPTUAL DESIGN & ANALYSIS – SOLAR ANALYSIS



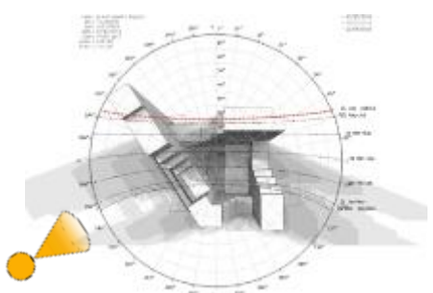


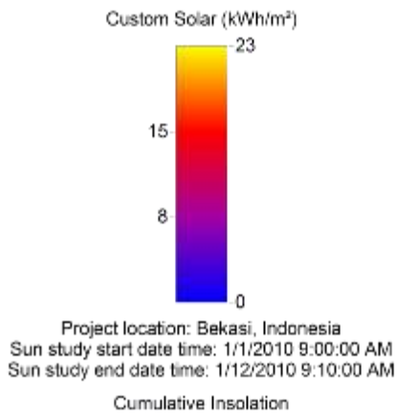
SOLAR MAPPING
4PM DECEMBER-JANUARY

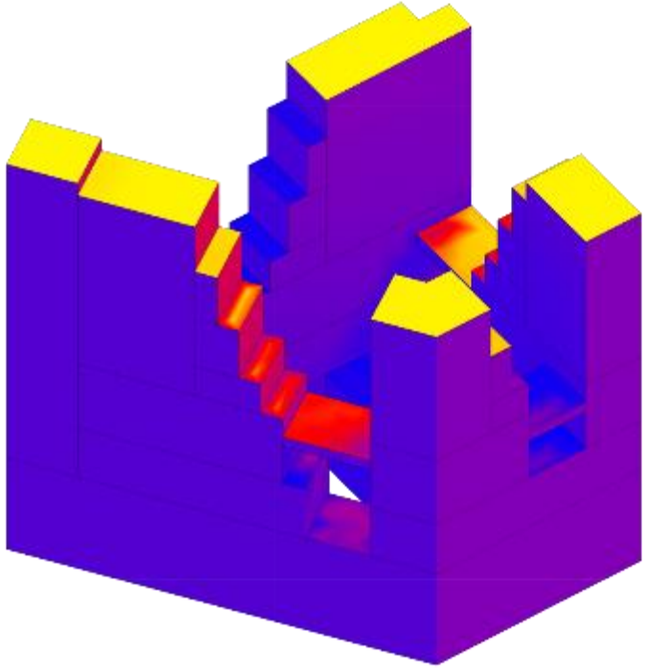




SUN PATH
12PM DECEMBER-JANUARY





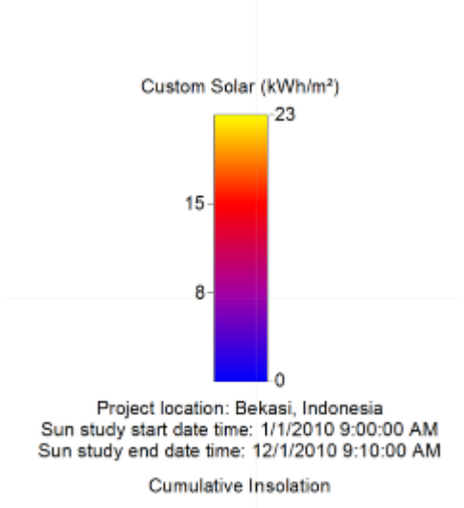


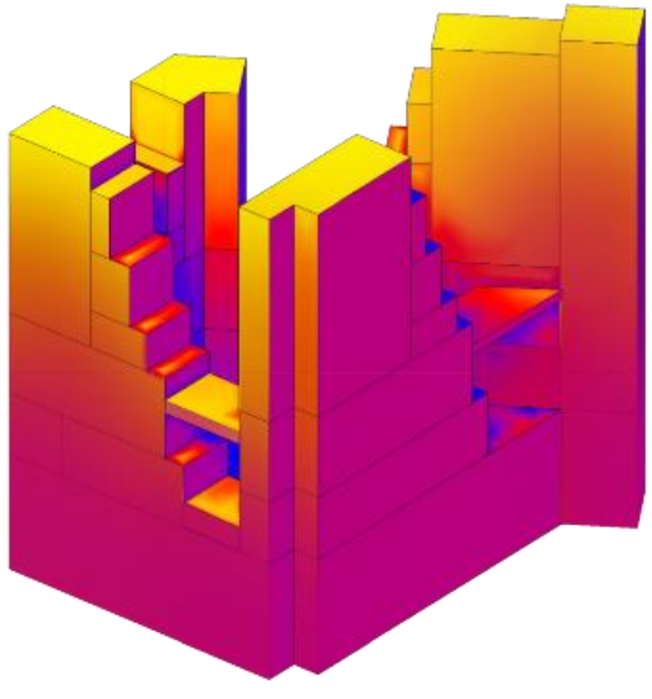
SUN PATH
9AM DECEMBER-JANUARY

SUMMARY

BLOCK PLACEMENT ARE MINIMISING THE HEAT IMPACT TO THE BUILDING, SHOWN BY ALL THE FAÇADE HAVING LESS THAN 700KWH/M2

CONCEPTUAL DESIGN & ANALYSIS – SOLAR ANALYSIS

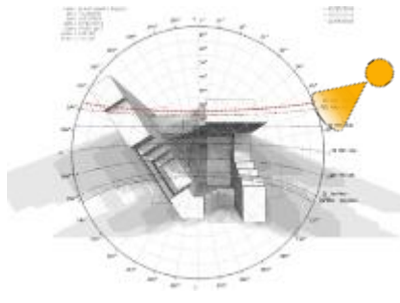


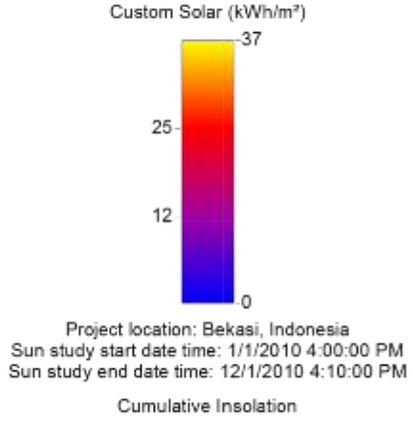


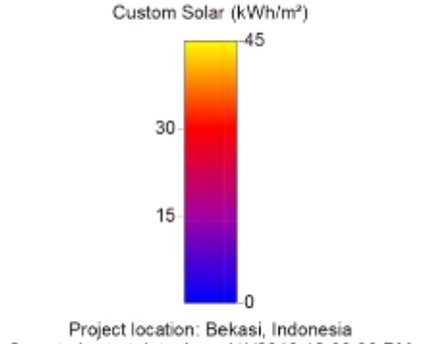
SOLAR MAPPING

4PM DECEMBER-JANUARY

NEED TREATMENT ON THE EAST FAÇADE IN TERM OF MATERIAL AND FAÇADE TREATMENT

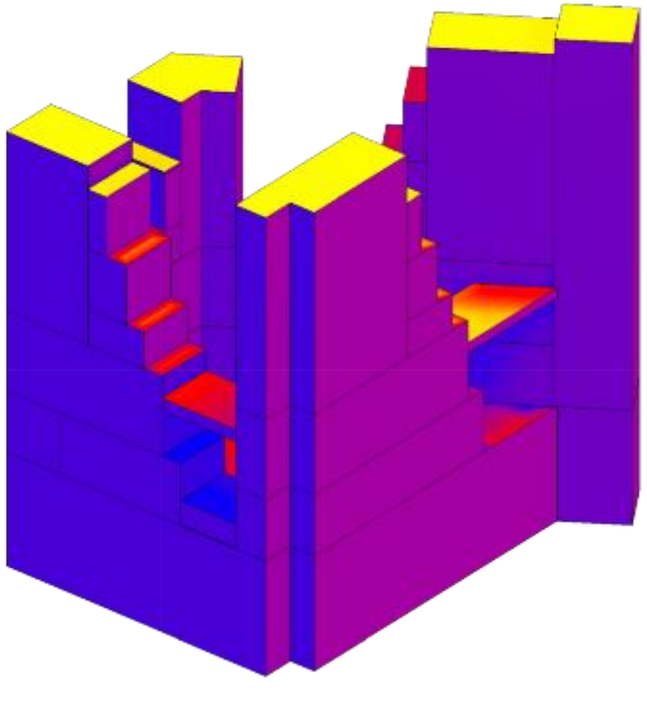






SUN PATH

9AM DECEMBER-JANUARY



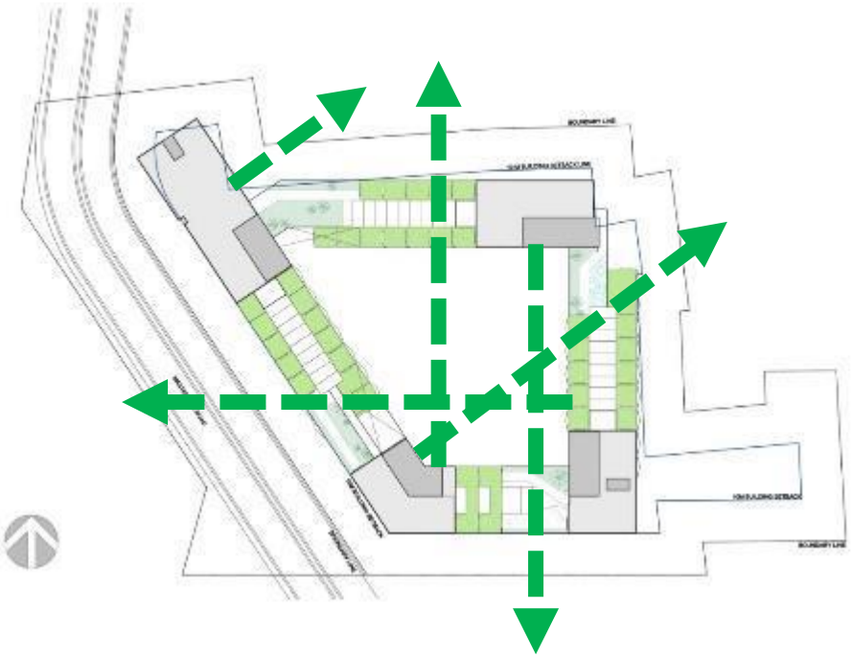
SUN PATH

12PM DECEMBER-JANUARY

SUMMARY

BLOCK PLACEMENT ARE MINIMISING THE HEAT IMPACT TO THE BUILDING, SHOWN BY ALL THE FAÇADE HAVING LESS THAN 700KWH/M2

OPENING VIEW VISTA



REFUGE FLOOR PLAN

CAPITALIZING ON THE VALLEY

INCIDENTAL SPACES CREATED BY THE VALLEY ARE CONVERTED INTO POCKETS OF RESIDENTS FACILITIES FOSTERING **IMPROMPTU INTERACTION**.

CONNECTED TO REFUGE FLOOR, IT ALSO SERVED AS **MOUNTAINOUS JOGGING TRACK IN THE SKY.**

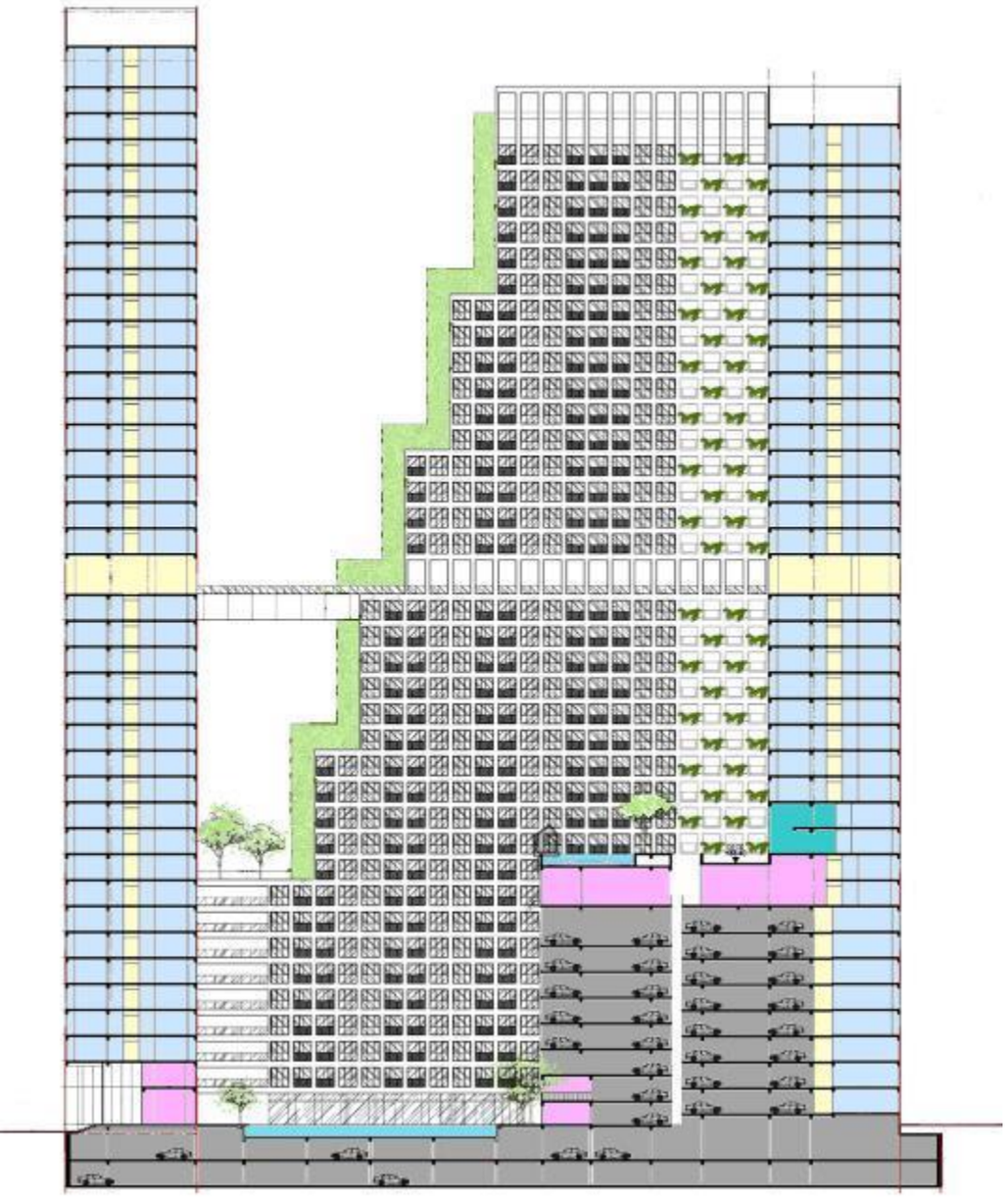
TYPICAL FLOOR PLAN

MULTIPLE GROUND FLOORS

2080 UNITS = **11 STOREY** OF CARPARK

MULTIPLE GROUND FLOORS

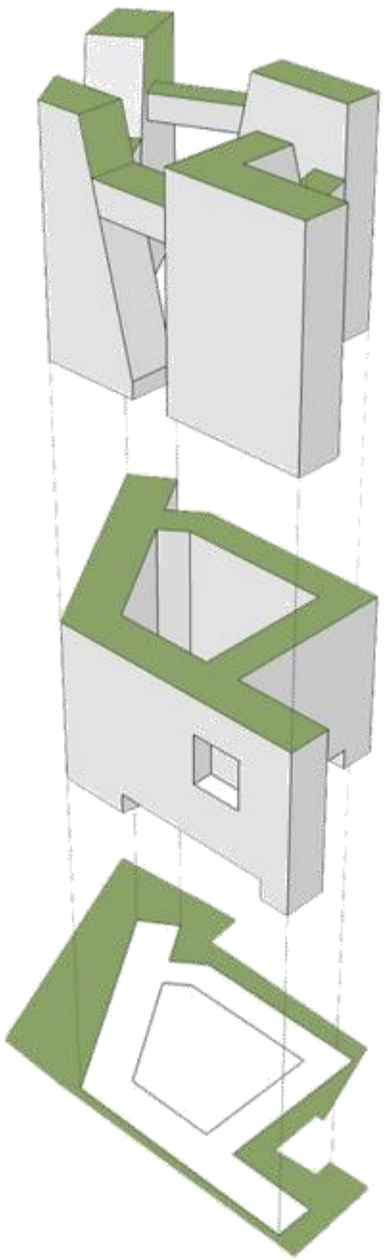
IT IS IMPOSSIBLE TO HOUSE ALL CARPARK PROVISION IN THE BASEMENT. THE VOLUME IS EXTRUDED UP INSTEAD, CREATING PODIUM SPACE THAT SERVED AS **COMMUNAL GREEN AREA.** AT THE SAME TIME, ACTING AS **MULTIPLE GROUND FLOOR SURFACES.**



PRIVATE

HIERARCHY OF PRIVACY & SECURITY

PUBLIC



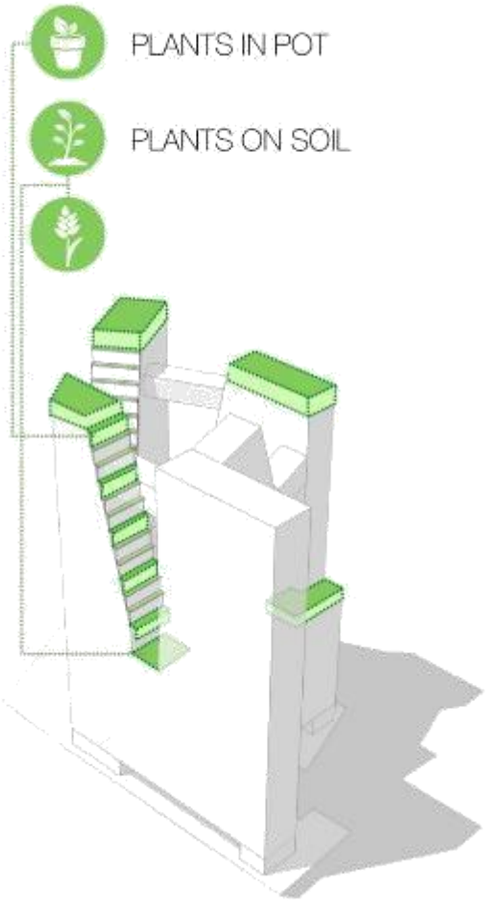
ENHANCING THE PODIUM

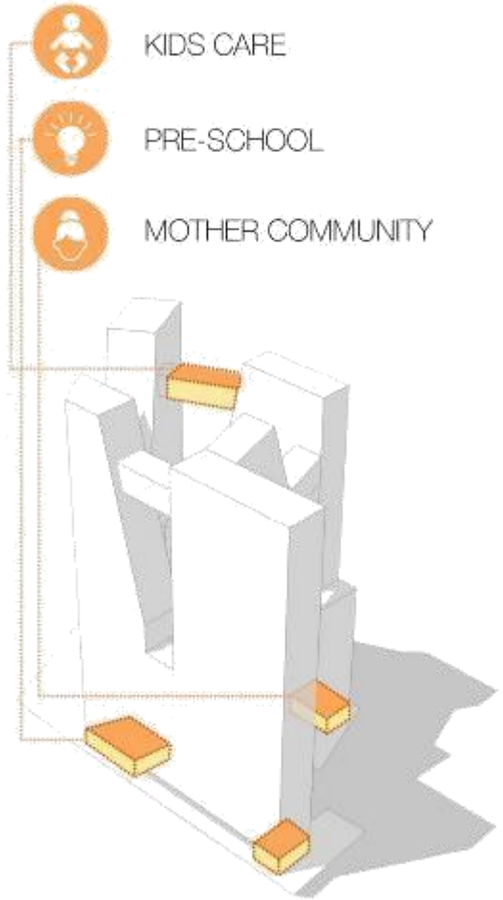
IMPROVING THE CARPARK ROOFTOP TO BE
SWIMMING POOL AND LANDSCAPE,
CONVERTING THE **CONSTRAINTS INTO ASSETS.**

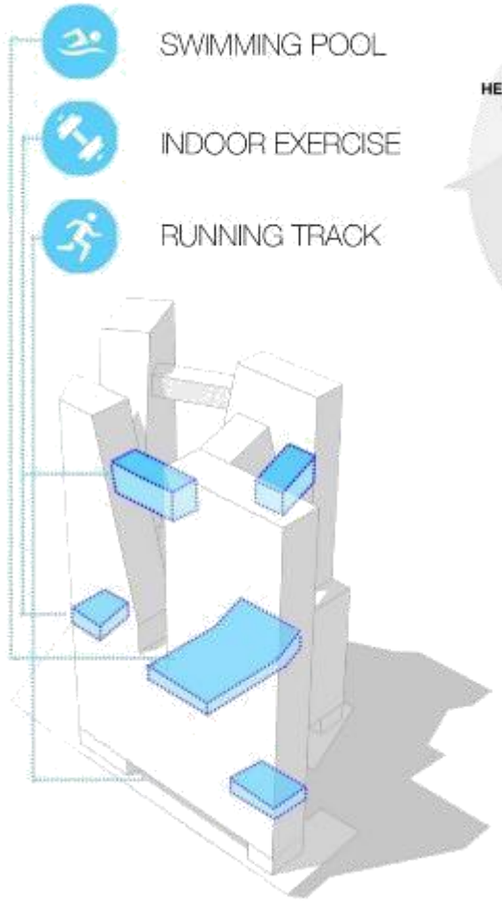
INVIGORATING THE GROUND

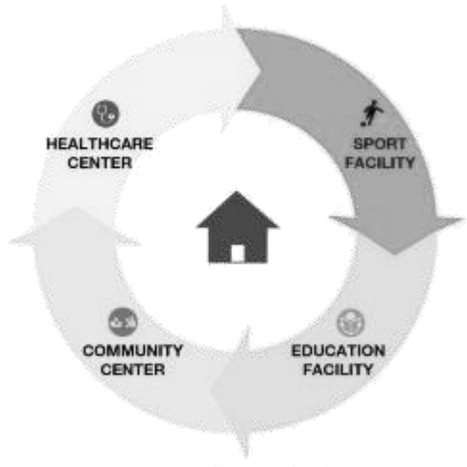
OPENING UP ADJACENT MASSING TO ENSURE
UNBLOCKED VISTA AT HUMAN EYE LEVEL,
LOOKING TOWARDS THE WELL-VENTILATED
COURTYARD WITH PLENTY OF NATURAL LIGHT.

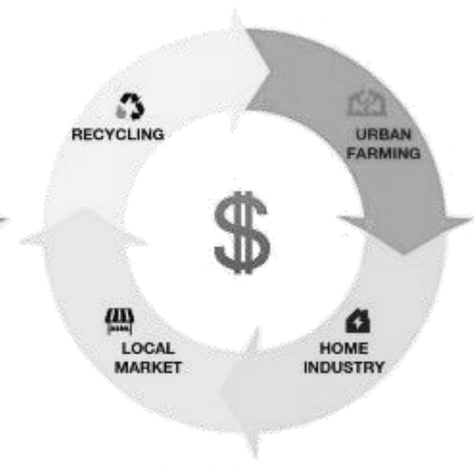
SUSTAINABILITY



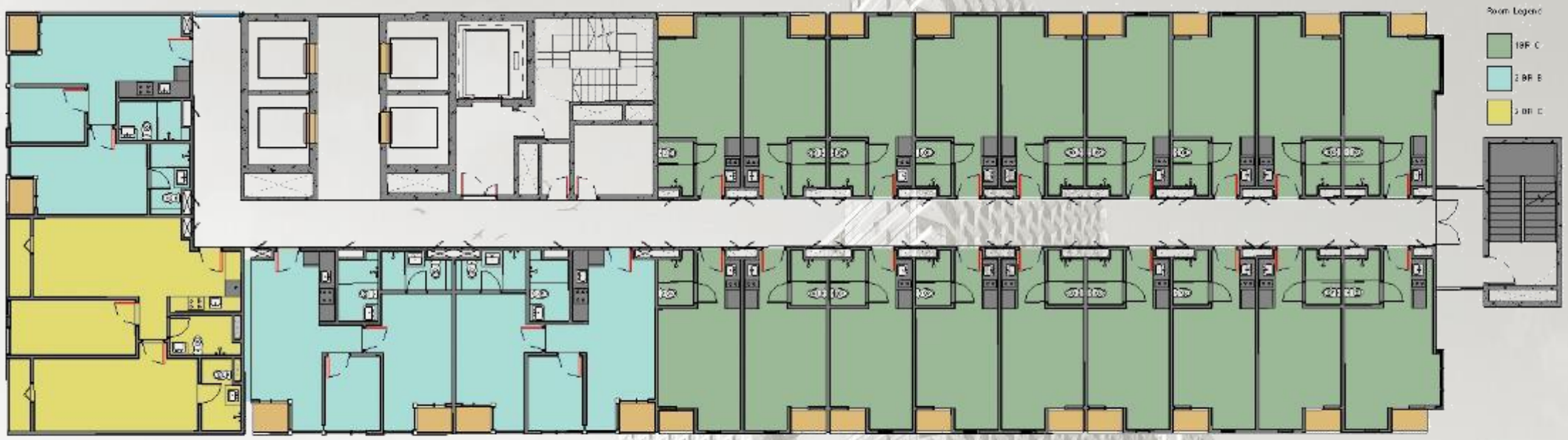






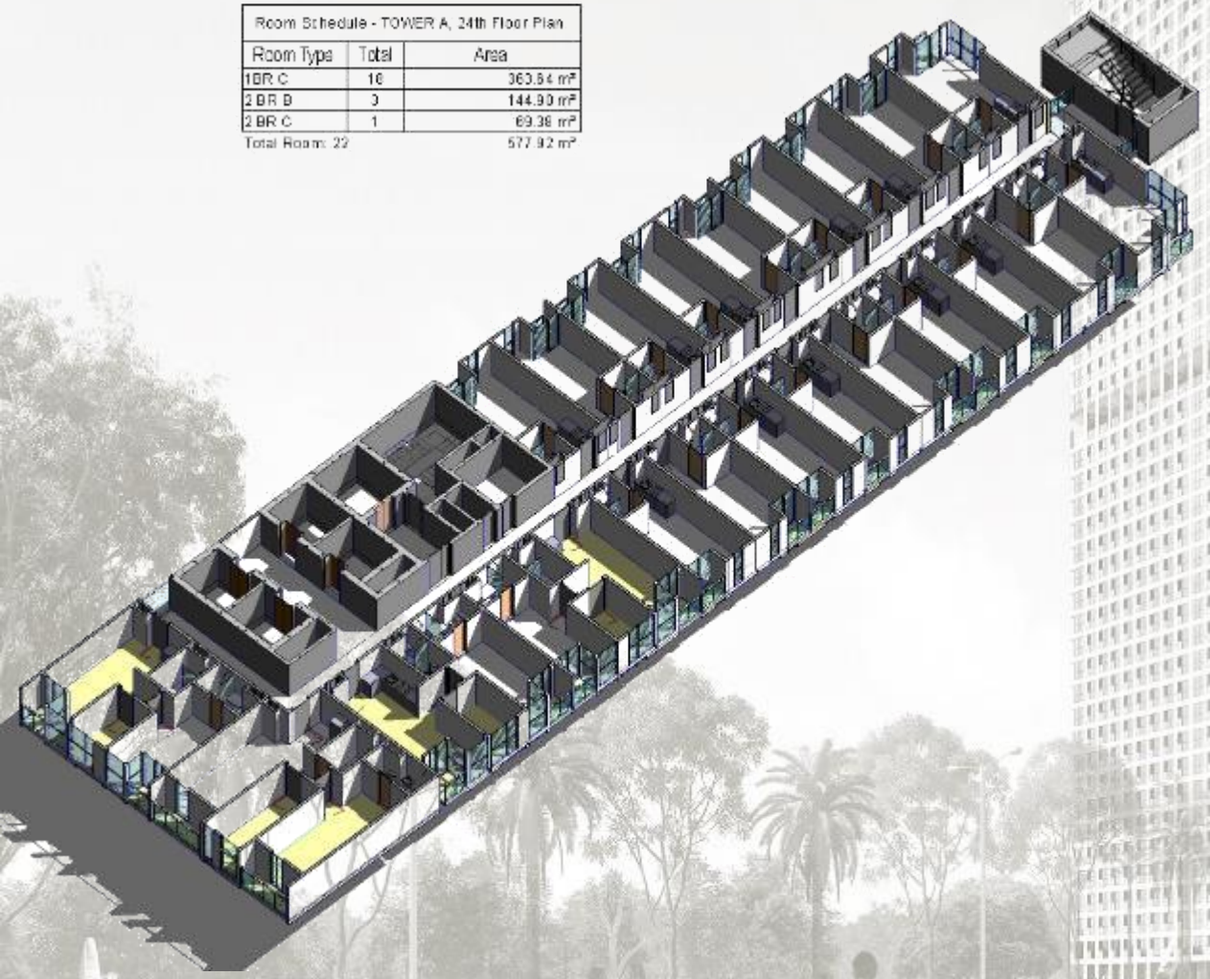


OUTPUT DATA



Room Schedule - TOWER A, 24th Floor Plan

Room Type	Total	Area
1BR C	16	363.64 m²
2 BR B	3	144.90 m²
2 BR C	1	69.38 m²
Total Room: 20		577.92 m²



- LAYOUT PLAN
- ELEVATION
- SECTION
- 3D VIEW
- SCHEDULE DATA

ONG&ONG group

BIM Project Implementation

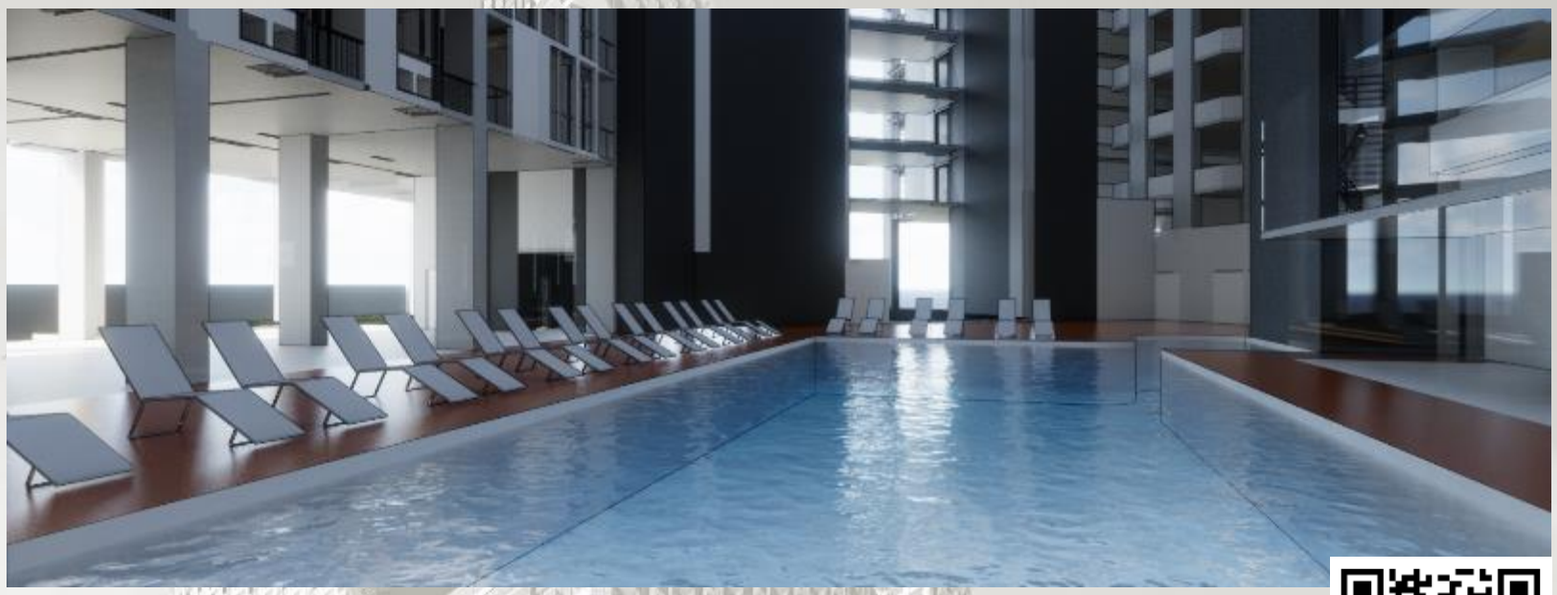
MANAGE FILE

Based on Design Concept,
Total Size of models : 1,33 GB

- **TOWER D BELOW + PODIUM**
- **TOWER D**
- **TOWER C BELOW**
- **TOWER C**
- **TOWER A & TOWER B BELOW**
- **TOWER B**
- **TOWER A**

VISUALIZATION

- Different presentation options
- Helps client to understanding of the design and also give much more reassurance



ONG&ONG group

KAMALA
KANDARA

CITY WITHIN A CITY

A HOME FOR EVERYONE

PROJECT FACT SHEET

PROJECT NAME	KAMALA KANDARA
LOCATION	BEKASI, INDONESIA
CLIENT	PT. PP PROPERTY Tbk
SITE AREA	13,650 sqm
TOTAL GFA	163,800 sqm
TOTAL SGFA	139,230 sqm
TOTAL NFA	118,660 sqm
EFFICIENCY NFA/GFA	72%
EFFICIENCY SGFA/GFA	85%
NO. OF FLOOR	40 STOREYS
BUILDING HEIGHT	145 M
TOTAL UNITS	2,080 UNITS
STATUS	PHASE 1 SOFT LAUNCHING ON DEC 2016

TYPE	QTY (units)	SIZE (sqm)	%		NFA (sqm)
STUDIO LOFT	236	34	11.3%		8,024
LIFESTYLE LOFT	18	72	0.9%	70.4%	1,296
1BR UNIT	1210	44	58.2%		53,240
2BR UNIT	570	86	27.4%		49,020
3BR UNIT	40	138	1.9%	29.6%	5,520
TOWNHOUSE	6	260	0.3%		1,560
	2,080				118,660 sqm

Heartbeat @ Bedok, *Singapore*

architecture • engineering • interior • landscape • lighting / **civic**

World Architecture Festival Award
Finalist, 2015

American Architecture Prize,
Landscape Category
Winner, 2017

BCA Green Mark Awards
Platinum, 2016

BCA Universal Design Award
Gold^{Plus}, 2017

World Architecture Festival 2015 Finalist

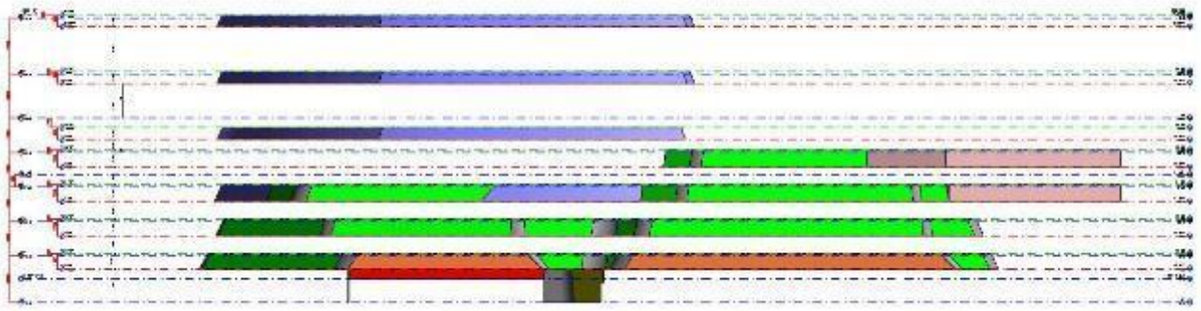
BEDOK COMMUNITY & SPORTS COMPLEX, Singapore

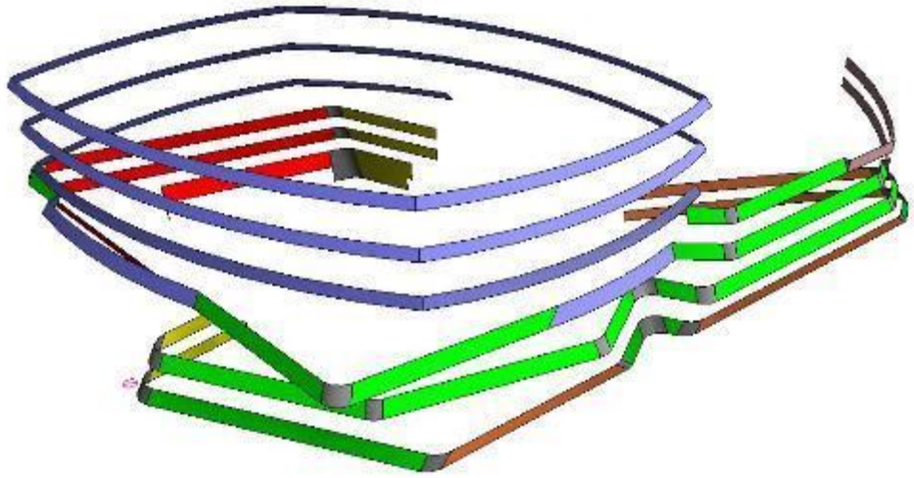
Project stage =
Under Construction

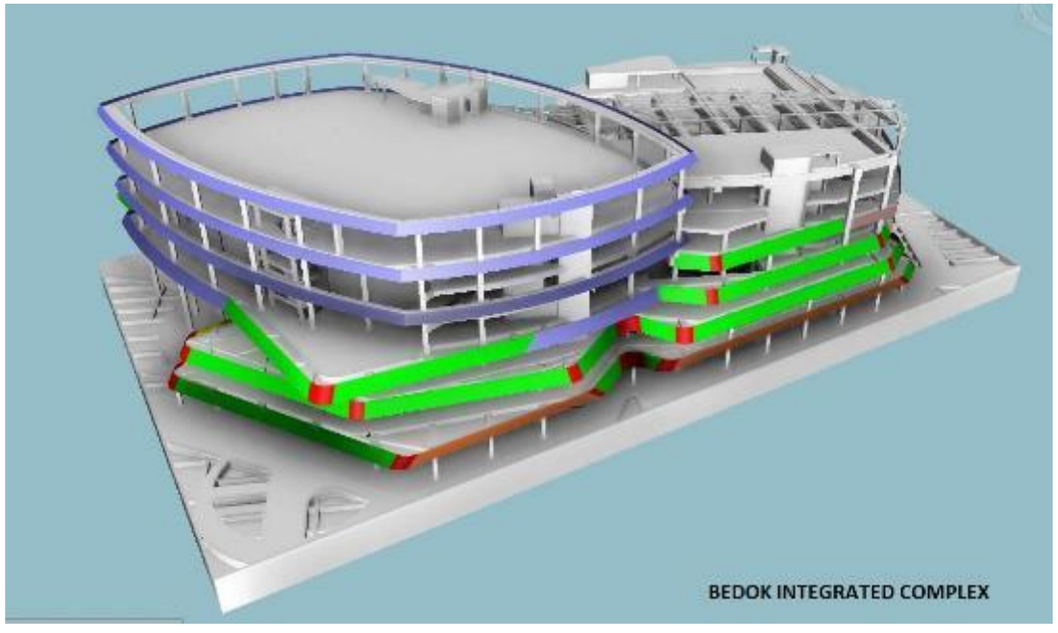
GFA = 43,600 m²

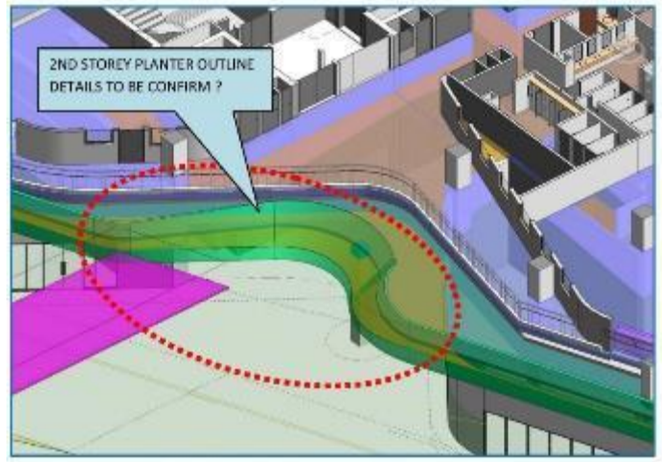
BEDOK COMMUNITY & SPORTS COMPLEX, Singapore

Massing & Coordinating Walls with varying angles and curves

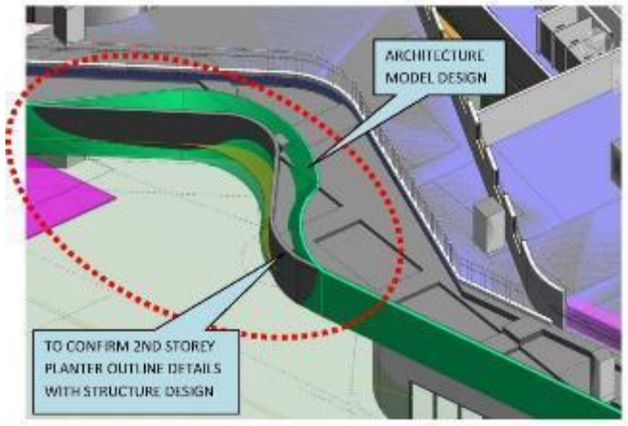








ST07 - 1ST ~ 2ND STOREY ARCHI REVIT 3D VIEW



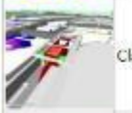
ST07 AREA - 1ST ~ 2ND STOREY ARCHI AND STRUCTURE COMBINE 3D VIEW

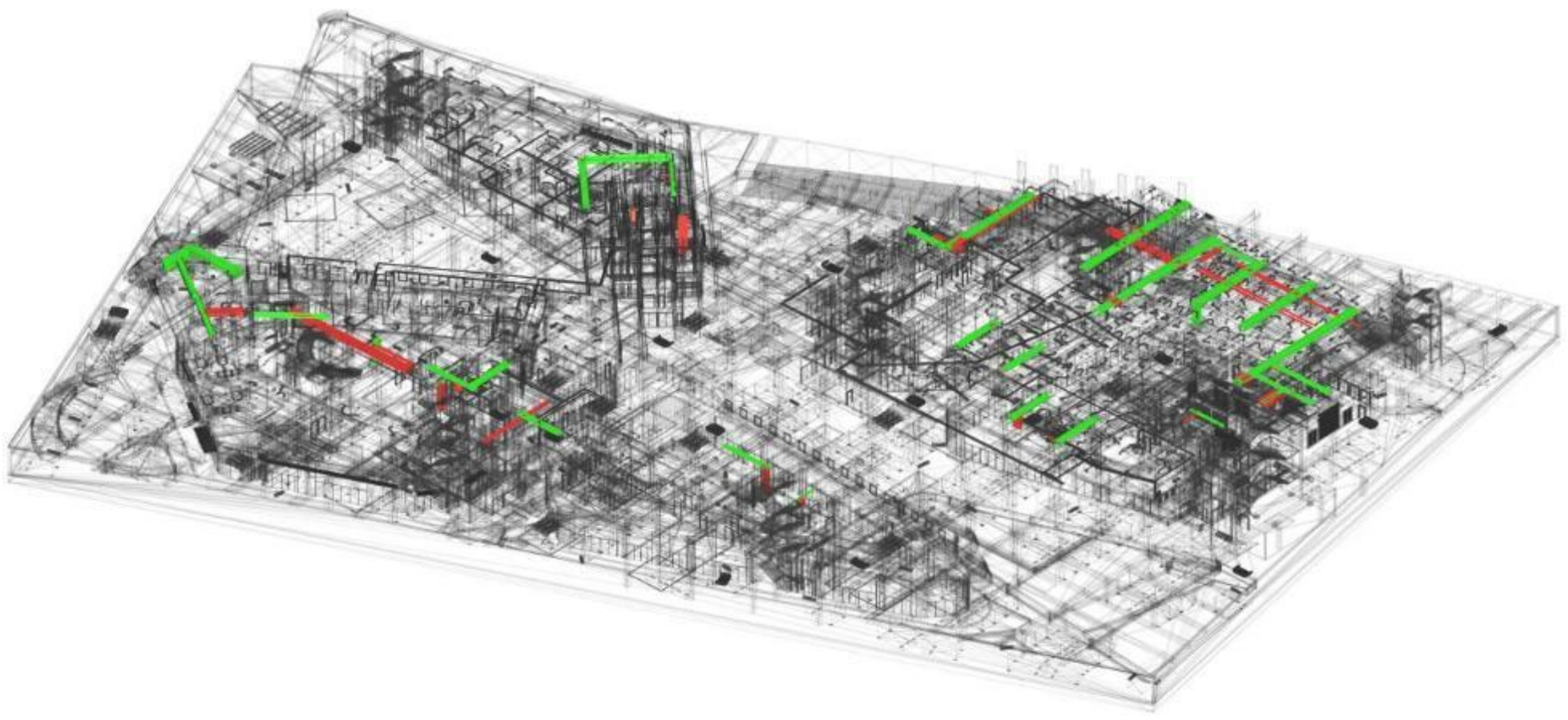
BEDOK COMMUNITY & SPORTS COMPLEX, Singapore

Clash Detection Reports

Autodesk Navisworks **Clash Report**

SC_L2_ACMV vs MC Col & Bm	Tolerance	Clashes	New	Active	Reviewed	Approved	Resolved	Type	Status
	0mm	103	103	0	0	0	0	Hard	OK

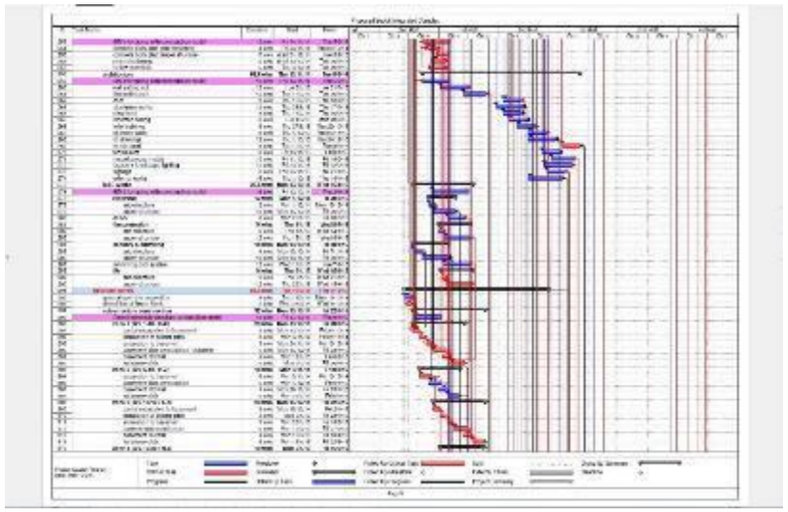
						Item 1					Item 2				
Image	Clash Name	Status	Distance	Grid Location	Date Found	Item ID	Layer	Path	Item Name	Category CategoryType	Item ID	Layer	Path	Item Name	Category CategoryType
	Clash1	New	-442	R-13 : 3RD STOREY	2016/2/19 04:15.59	*Element ID:* 2980195	2ND STOREY	File > File > P2188-14_BIC_M_ACMV_RME15_BKS_L2 TO L6_20160202.nwc > 2ND STOREY > Ducts > Rectangular Duct > Mitered Elbows / Taps > Rectangular Duct > Supply Duct - SAD	Supply Duct - SAD	Model	*Element ID:* 1888354	3RD STOREY	File > File > BIC_CAARAV0001_KSH COORDINATION.nwc > 3RD STOREY > Structural Framing > RC_Beams > 550x1200 > RC_Beams > Concrete, Cast-in-Place - C40	Concrete, Cast-in-Place - C40	Model
	Clash2	New	-227	K-11 : 3RD STOREY	2016/2/19 04:15.59	*Element ID:* 1231783	1ST STOREY	File > File > P2188-14_BIC_M_ACMV_RME15_BKS_L2 TO L6_20160202.nwc > 1ST STOREY > Ducts > Rectangular Duct > Mitered Elbows / Taps > Rectangular Duct > Kitchen Exhaust Air - KEAD	Kitchen Exhaust Air - KEAD	Model	*Element ID:* 1937470	3RD STOREY	File > File > BIC_CAARAV0001_KSH COORDINATION.nwc > 3RD STOREY > Structural Framing > RC_Beams > 550x200 > RC_Beams > Concrete, Cast-in-Place - C40	Concrete, Cast-in-Place - C40	Model
	Clash3	New	-220	J-06 : 3RD STOREY	2016/2/19 04:15.59	*Element ID:* 2978165	2ND STOREY	File > File > P2188-14_BIC_M_ACMV_RME15_BKS_L2 TO L6_20160202.nwc > 2ND STOREY > Ducts > Rectangular Duct > Mitered Elbows / Taps > Rectangular Duct > Supply Duct - SAD	Supply Duct - SAD	Model	*Element ID:* 1664476	2ND STOREY	File > File > BIC_CAARAV0001_KSH COORDINATION.nwc > 2ND STOREY > Structural Columns > Rectangular Column > 800x800mm > Rectangular Column > Concrete - Cast-in-Place Concrete	Concrete - Cast-in-Place Concrete	Model
	Clash4	New	-213	E-06 : 3RD STOREY	2016/2/19 04:15.59	*Element ID:* 1687389	2ND STOREY	File > File > P2188-14_BIC_M_ACMV_RME15_BKS_L2 TO L6_20160202.nwc > 2ND STOREY > Air Terminals > BKS_Supply Diffuser > 600 x 600 Face 250 x 250 Connection > BKS_Supply Diffuser > 600 x 600 Face 250 x 250 Connection > Supply Duct - SAD	Supply Duct - SAD	Model	*Element ID:* 1927673	3RD STOREY	File > File > BIC_CAARAV0001_KSH COORDINATION.nwc > 3RD STOREY > Structural Framing > RC_Beams > 1500/1800x1000 > RC_Beams > Concrete, Cast-in-Place - C40	Concrete, Cast-in-Place - C40	Model



BEDOK COMMUNITY & SPORTS COMPLEX, Singapore

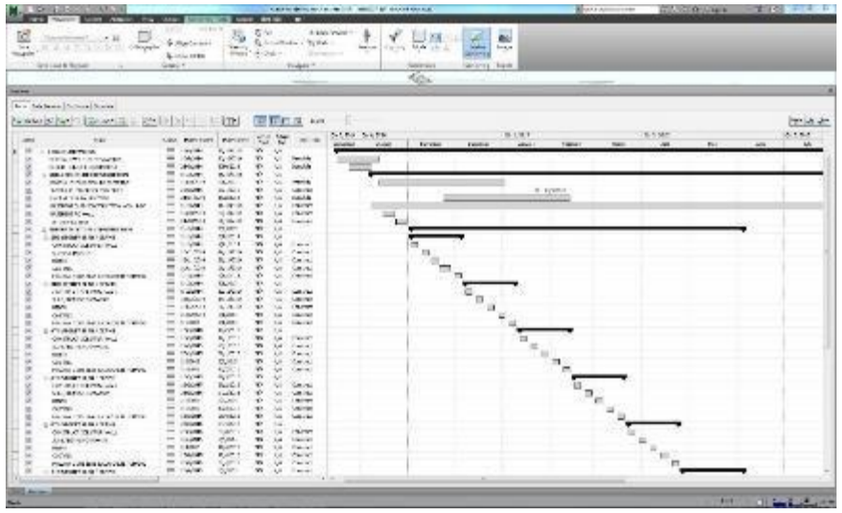
Workflow transformation towards the use of 4D Simulation

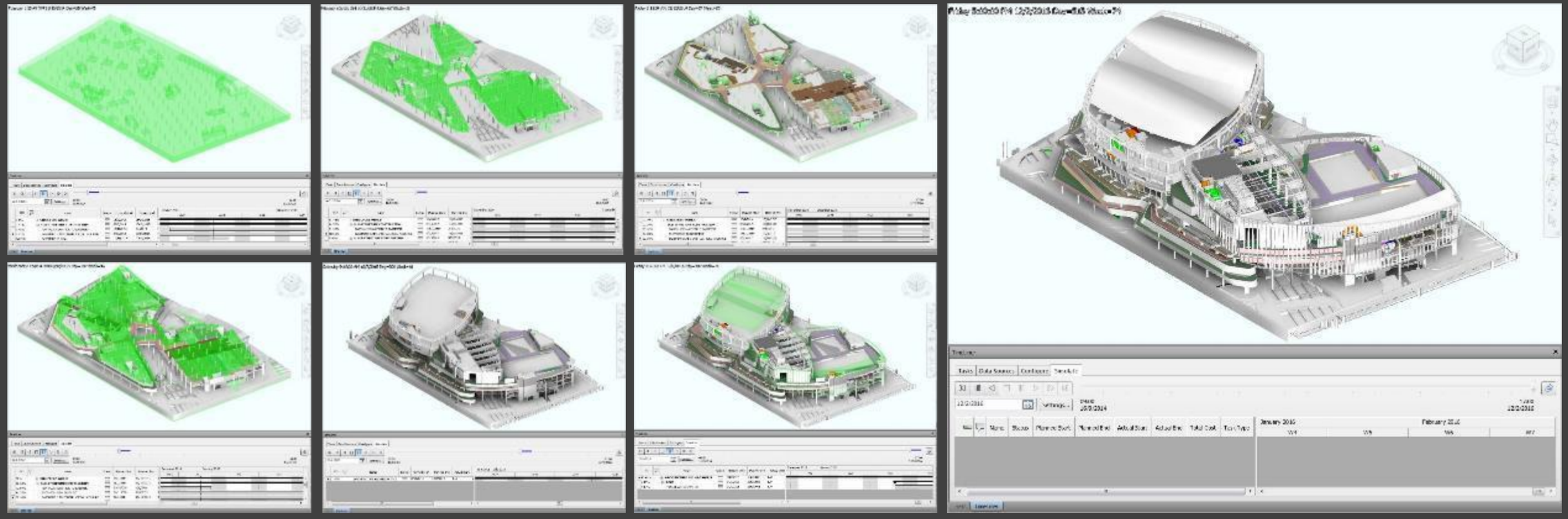
Master Programme



sync

Construction simulation programme in Navisworks





ADULT DISABILITY HOME

Sembawang Walk, Singapore

Adult Disability Home, Singapore

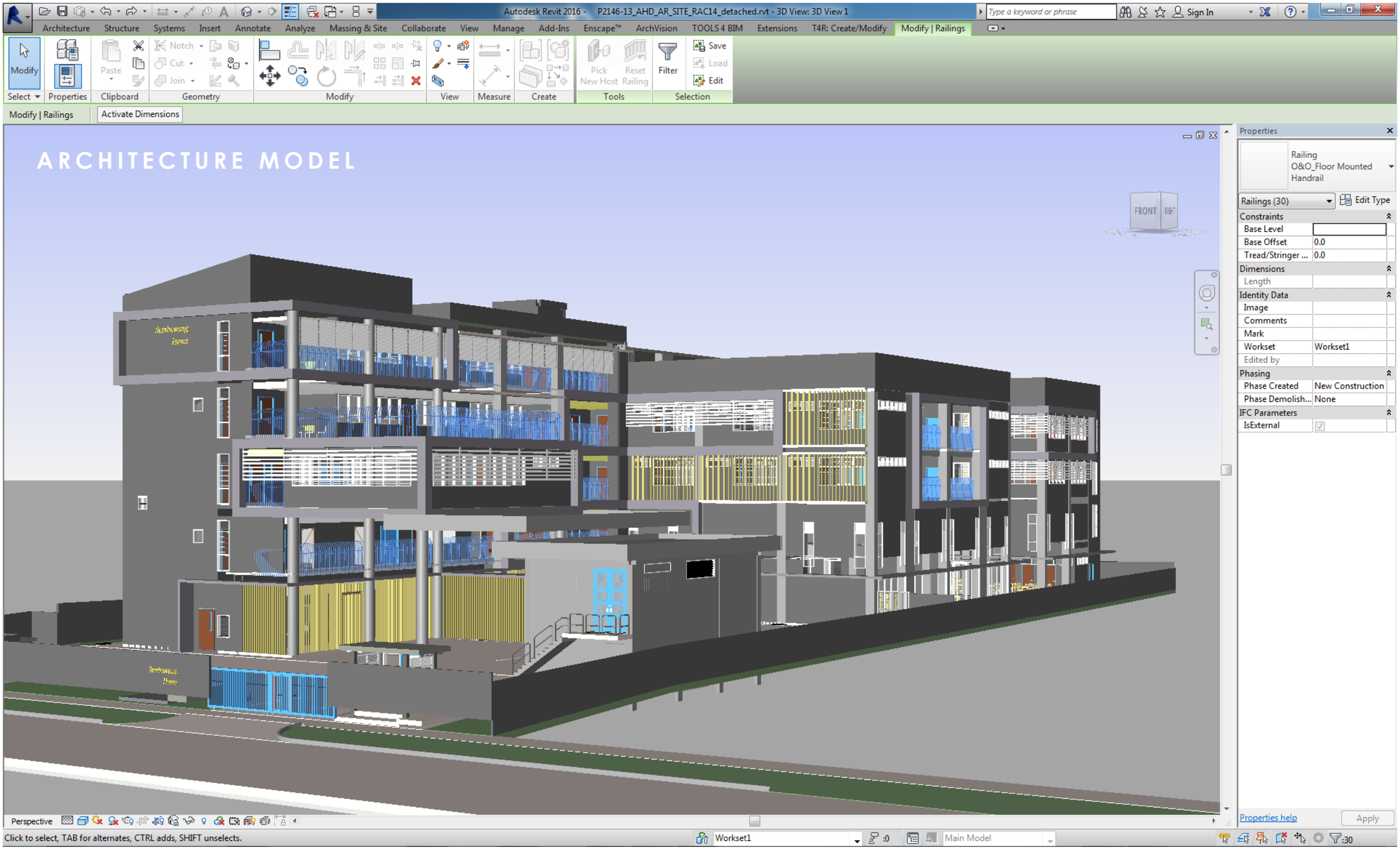
EXTERIOR SIDE


AERIAL VIEW

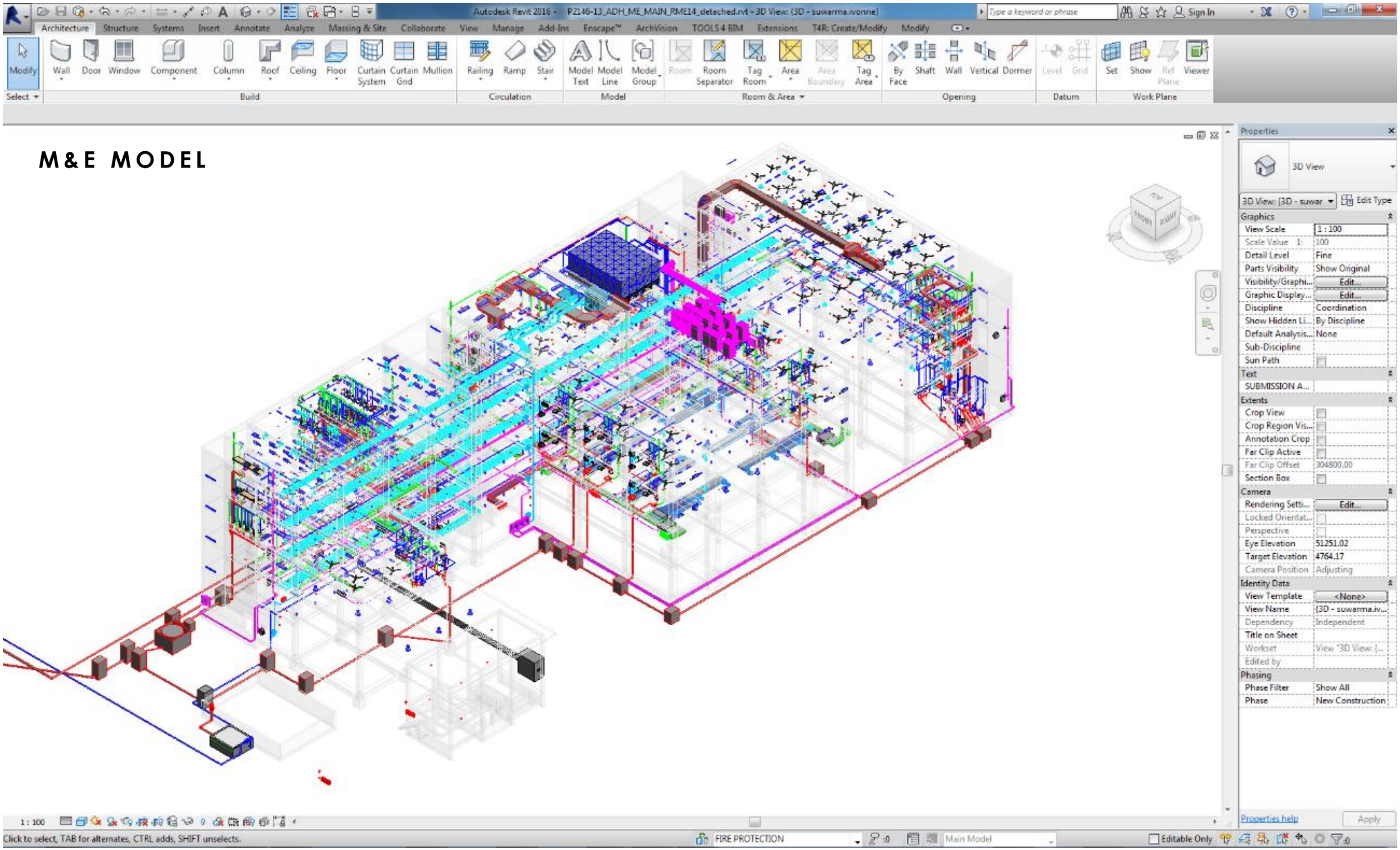

EXTERIOR REAR


EXTERIOR FRONT

Adult Disability Home, Singapore



Adult Disability Home, Singapore



QUESTIONS ?

THANK YOU

ONG&ONG
group