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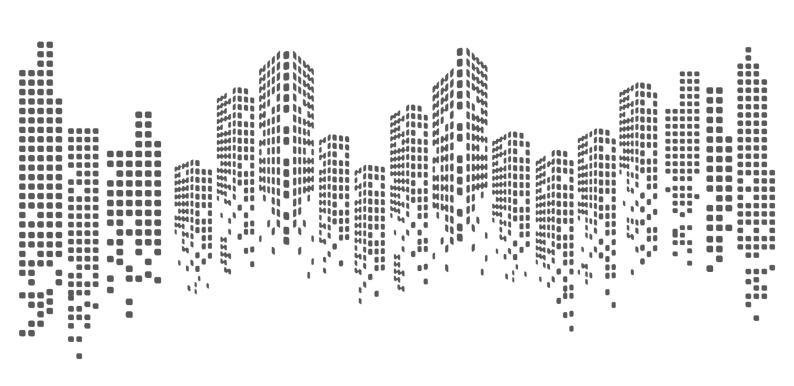
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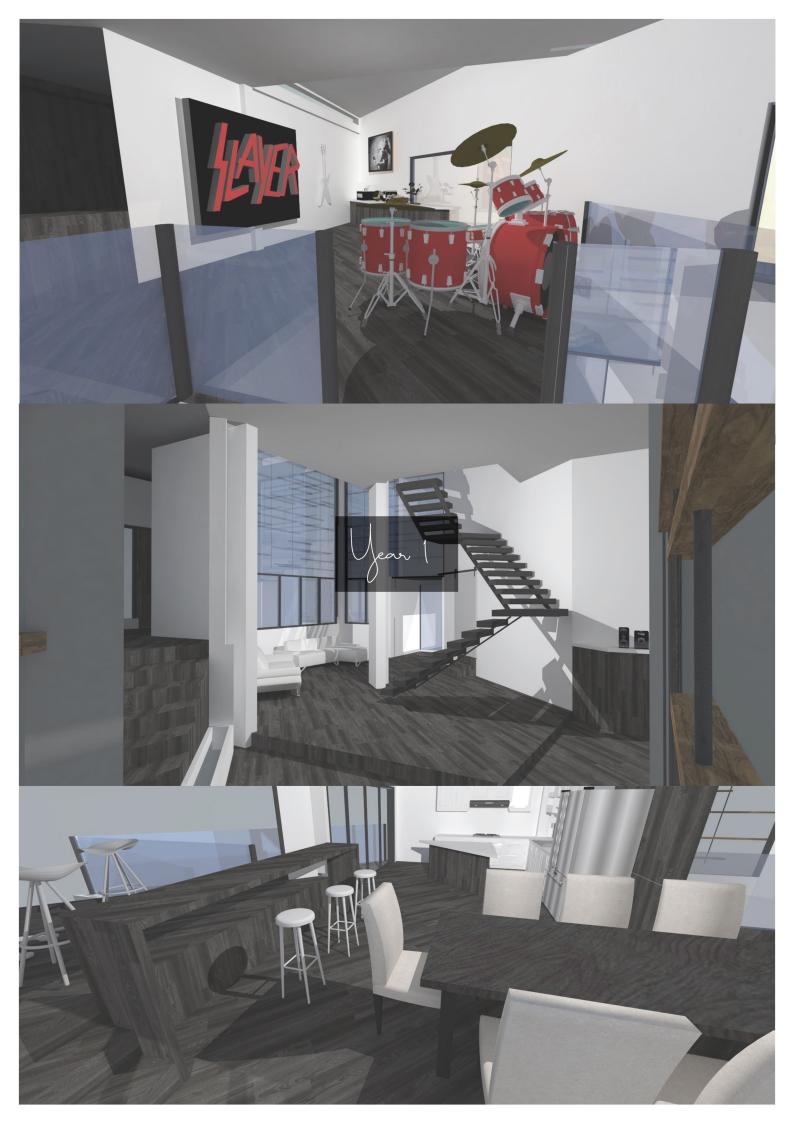
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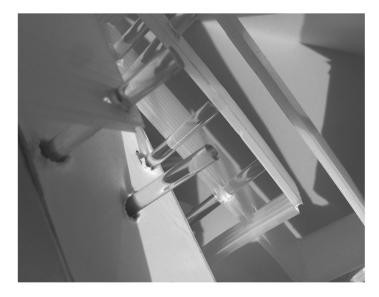
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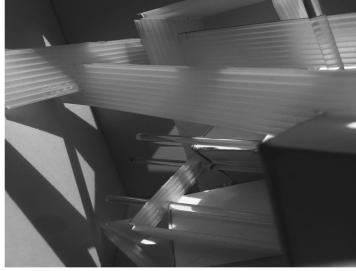
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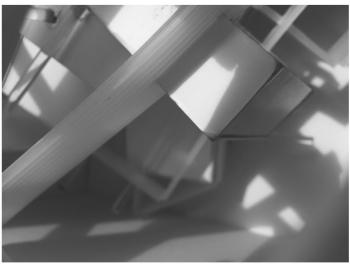
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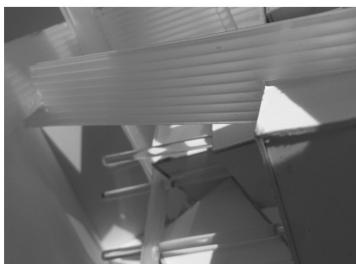








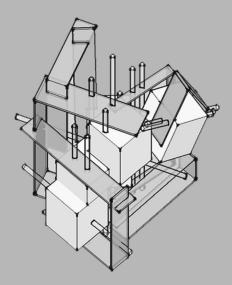


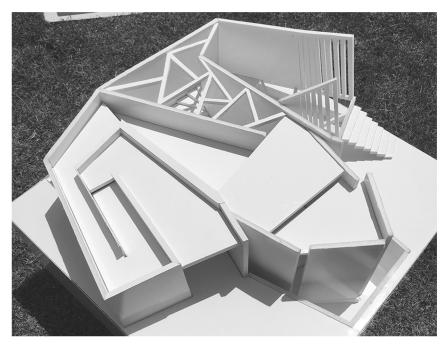


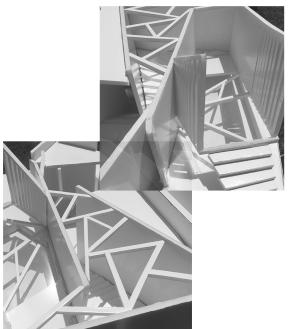
Shadow casted in interior of model

fibonnaci cryptex: Surfaces in Motion

"Surfaces In Motion" depicts the movement made by the planes in the cryptex. The planes are arranged around the volumes with bent sides and are translucent portraying the ability to move. Compared to the volumes that are made by opaque solids, it visualises a higher density object and is seen to have more steady. Adding on the volumes are compacted together to show a sense of weight. This relates back the design driver of stability versus movement.

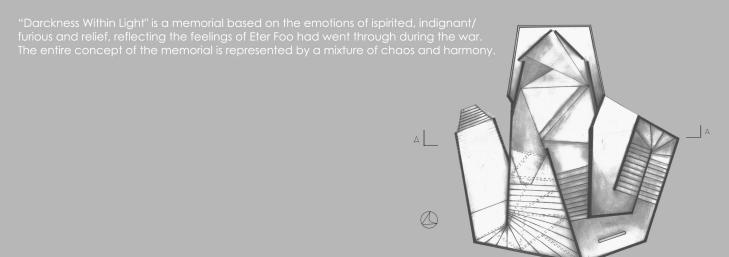


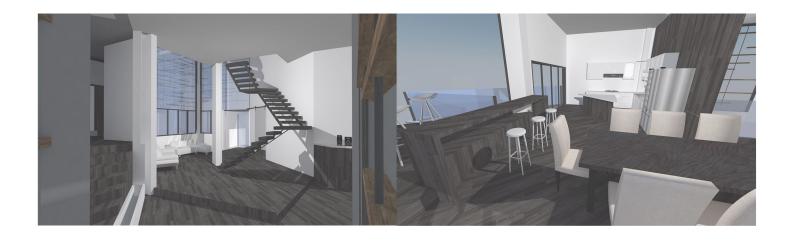






SCARS IN THE GROUND: DARKNESS WITHIN LIGHT





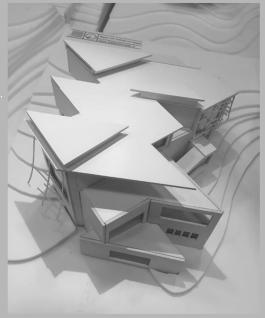


Renders of Rooms

DWFILING: SYNCOPATION

"Syncopation" depicts chaos and order in which the design of the house is formed with sharp edges that are unparallel, showcasing disorder, Yet, using the shape of triangles throughout the building ties the building together, creating system of order.

Syncopation is the harmonious note between that which may seem discordant.





The Gap

The Gap emphasizes the connection between the culture of the newer and older generations. This idea is incorporated by bridging the old culture in Singapore together with the modernised housing model. The concept is thus deriving from the ambience of a shophouse.

The current housing in Singapore has isolated and separated each resident to their own confined space thus it has limit interactions with others.

Togetherness

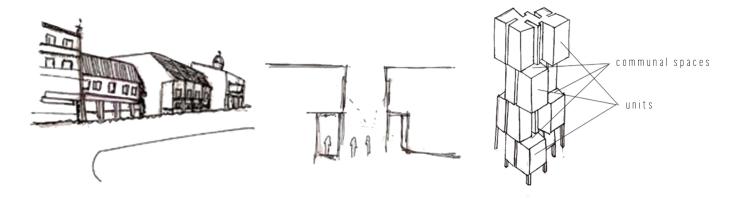
Times have changed and so has the spirit within our community. The kampong spirit in the olden day that was once present within our people has now diminished. People used to get out of their comfort spaces and indulge in life together. Bringing back the aura of togetherness would be the main focus of my design.

Ambience of Shophouse

Inspired by the atmosphere of the shophouses at Haji Lane where people can come together between their housing unit spaces a communal space is designed on each sixth level of The Gap to allow for residents to come together to use the shared space. All the units in each cluster would overlook into their own communal space allowing a sense of grounding from high levels and inviting neighbours to gather.

Community Living

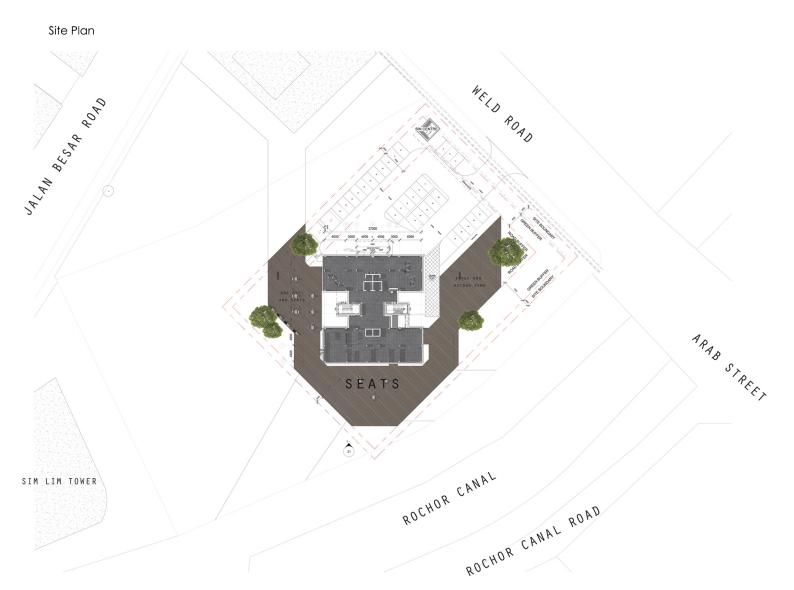
Dividing the high rise building into four sections would allow for smaller communities to be formed. The aim of The Gap is to create community bonding which in return allows more interactions between the residents. It would simply bring people of different age groups together living harmoniously in a perfect balance of the old and new culture.



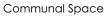






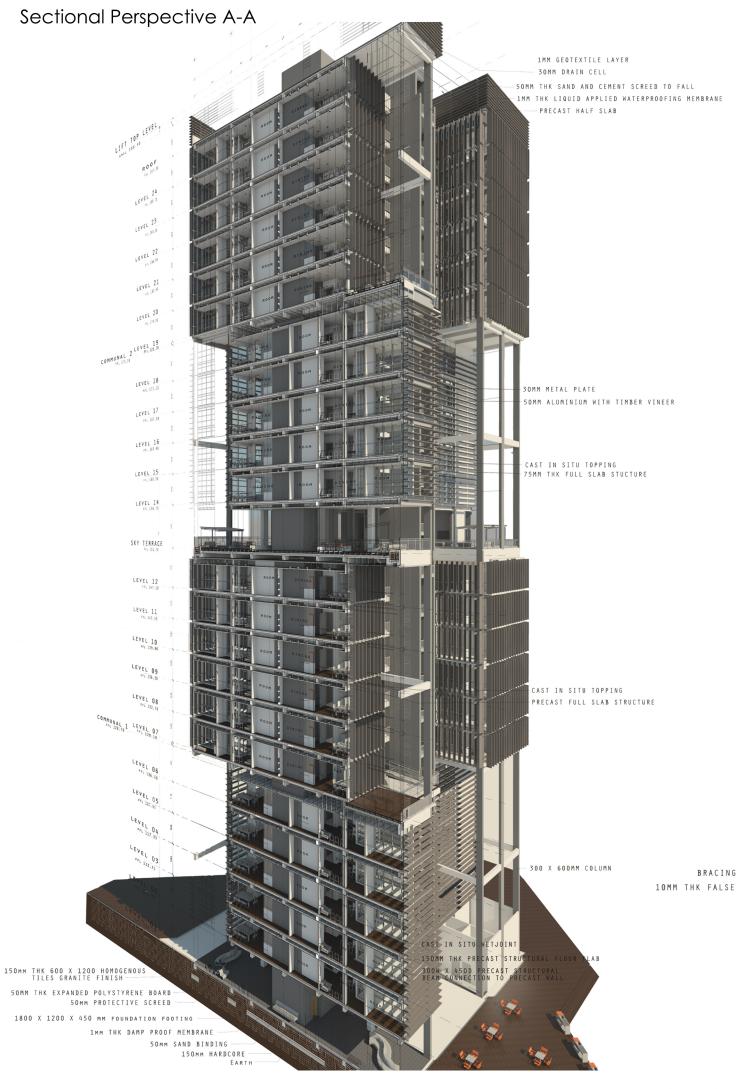








Communal Garden



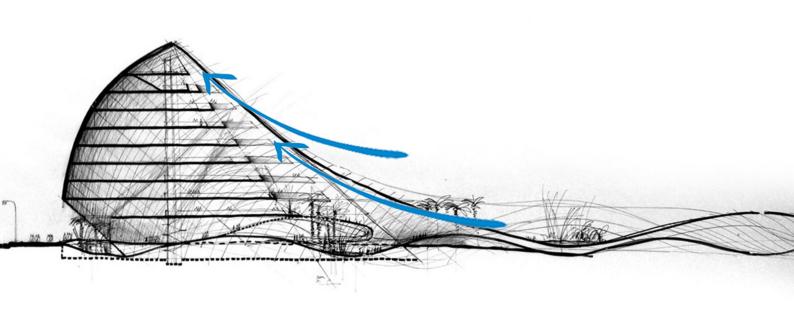


Streamline

Flow In A Workspace

The definition of streamline links both the ideas of a workspace and the flow of wind. Efficiency in a workspace is important. Having more open spaces that overlook into one another could promote collaboration between different people which would be beneficial in the media producers industry. The floor plates on each level staggers at every floor, with voids creating spaces that overlook in to one another. This voids also play a part towards the environmental factor of the building. Influenced by APRT New headquarters concept to bring in wind into the building's interior to rely less on mechanical ventilation, The form of the building is contoured to allow for maximum wind flow to ventilate the centre of the building.





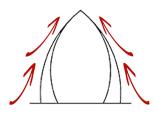
Derived from my methodalogy study of Mario Cucinella's New ARPT Headquarters, the form of Streamline was heavily influenced by the flow of wind, following the ideas used by Mario Cucinella.



Used of concave to bring wind upwards and into the interior of the building



Using comvex to deflect unwanted hot wind

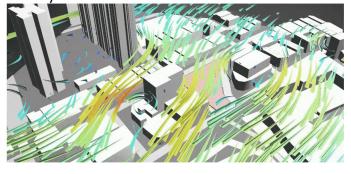


Front view of building

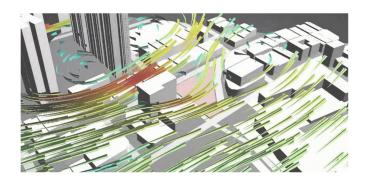


Concaving on the Southeast side where fresh wind comes from the atlas mountains and convex on the Northeast and Southwest side deflecting hot wind from the sea

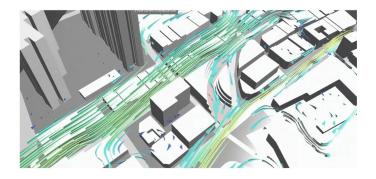
Study of wind on site



Wind From North-East direction through site



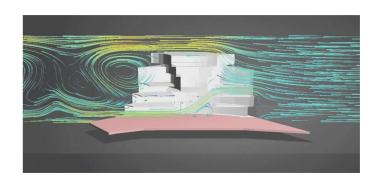
Wind From South- West direction through site



Wind From North-East direction passing through massing, directing wind through the center of the building



Wind From South-West direction passing through massing, directing wind through the center of the building



Wind scoop directing wind to the center atrium space from North-East Direction.



Wind scoop directing wind to the center atrium space from South-West Direction.

streamline

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verb

past tense: streamlined; past participle: streamlined

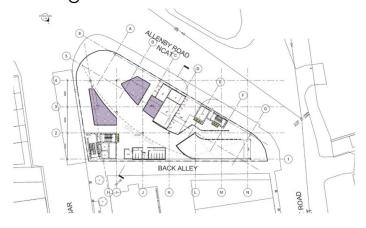
 design or provide with a form that presents very little resistance to a flow of air or water, increasing speed and ease of movement.

"streamlined passenger trains" synonyms: aerodynamic; More

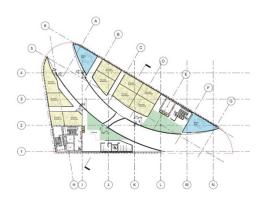
make (an organization or system) more efficient and effective by employing faster or simpler working methods.

"the company streamlined its operations by removing whole layers of management" synonyms: efficient, smooth-running, well run, well organized, slick; More

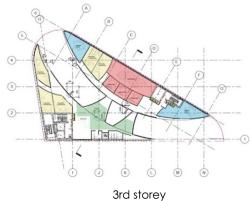
Zonnings

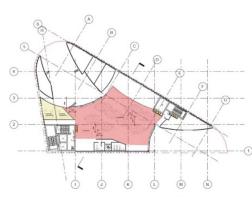


1st storey

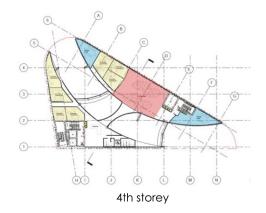


2nd storey





Mezzanine



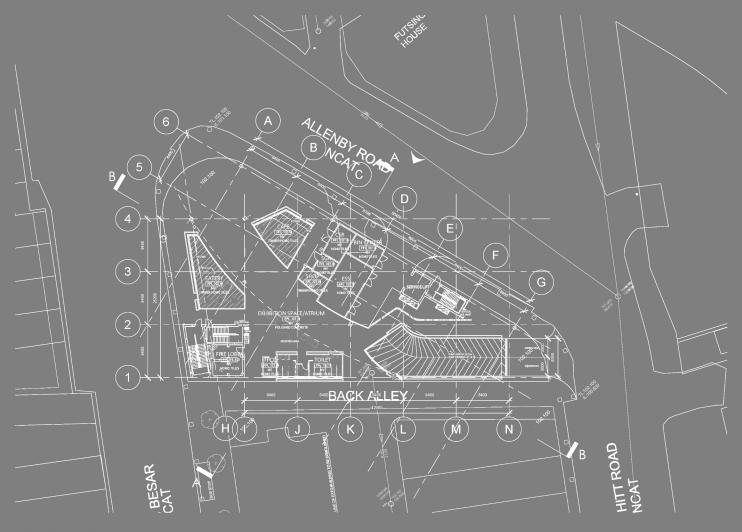
6th storey



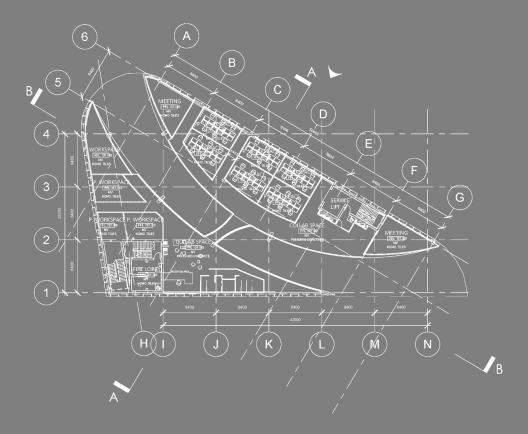


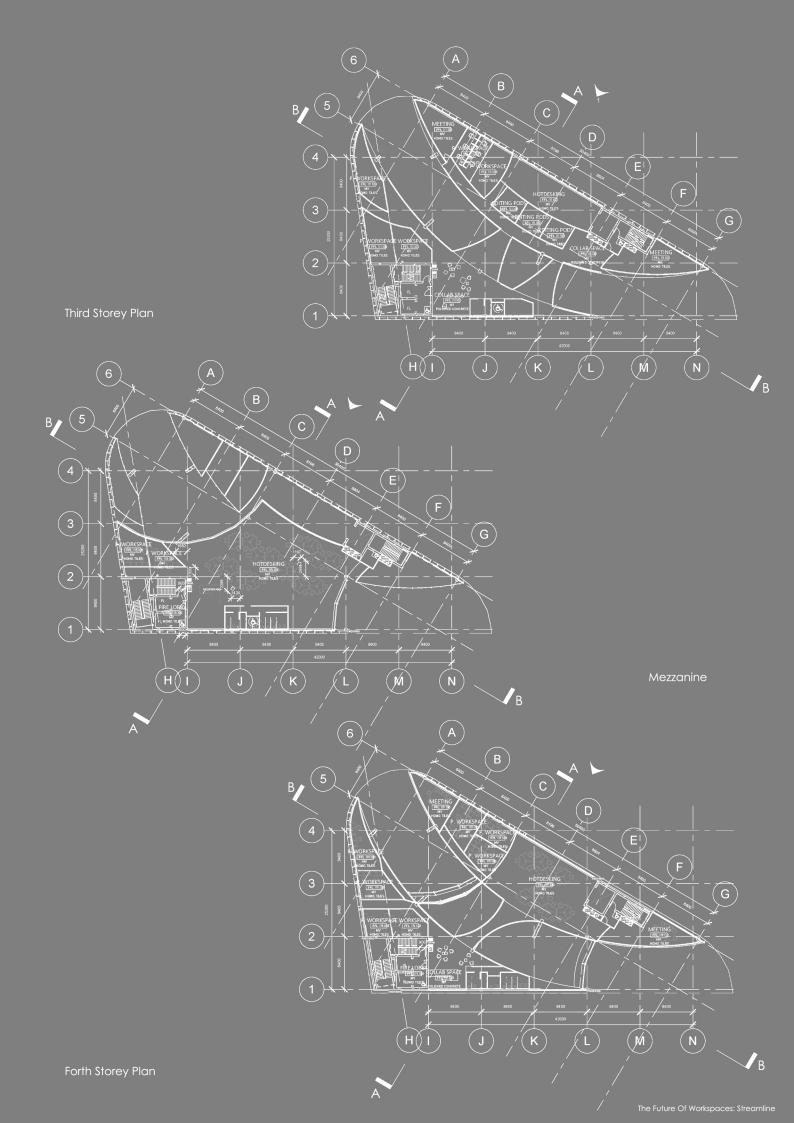


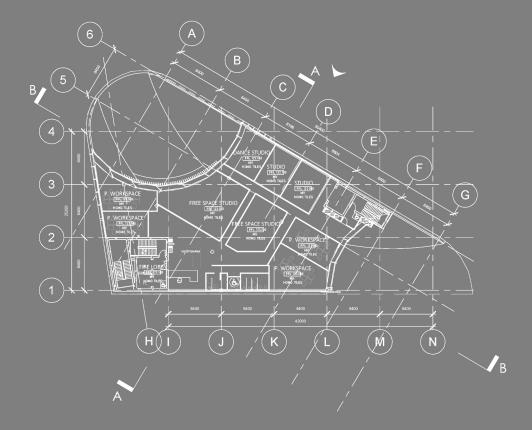




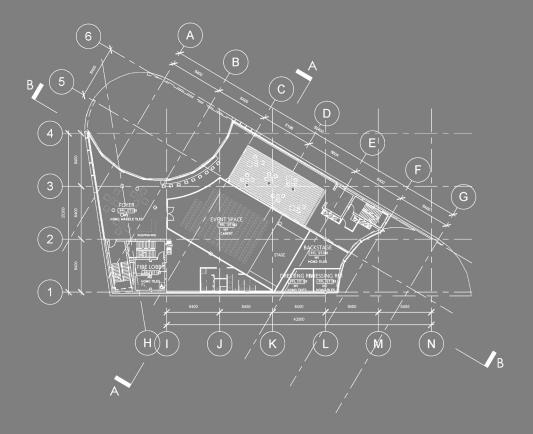
First Storey Plan



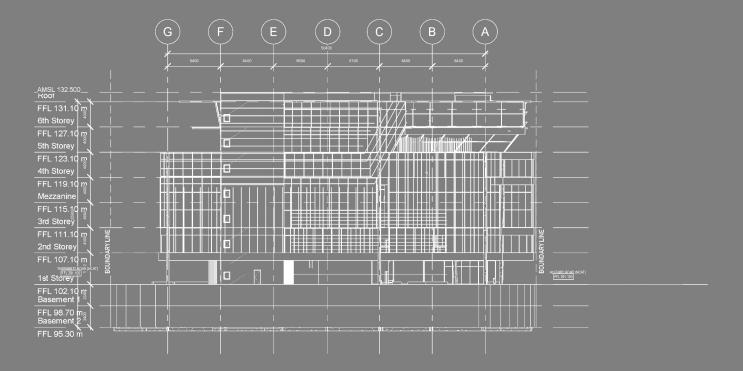




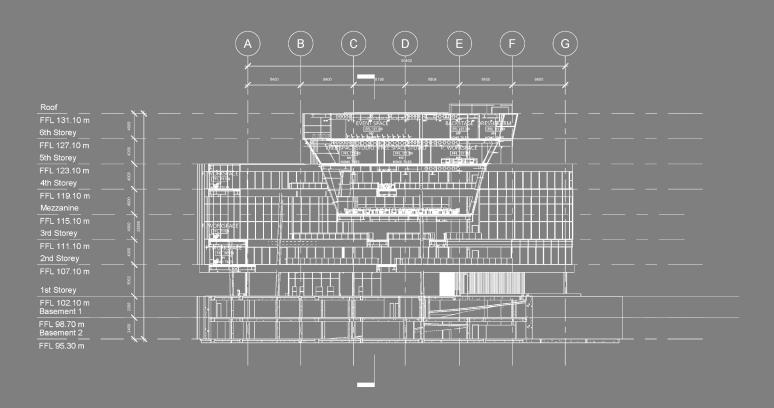
Fifth Storey Plan



Sixth Storey Plan

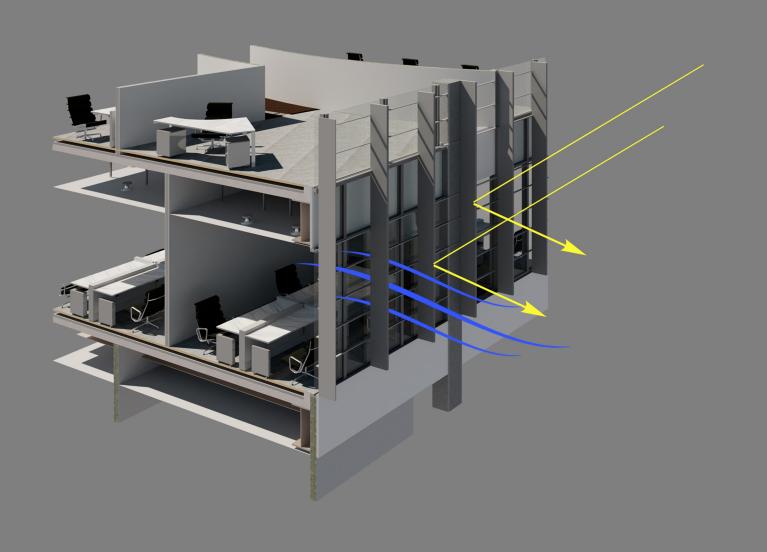


Elevation from Jalan Besar Road



Section B-B

Bioclimatic Sectional Perspective of Facade System



NATURAL VENTILATION

The external lightweight metal fin facade connected to the curtain wall allows for wind to further enter the interior of the building, encouraging users to use lesser mechanical ventilation and open their windows to enjoy natural ventilation.

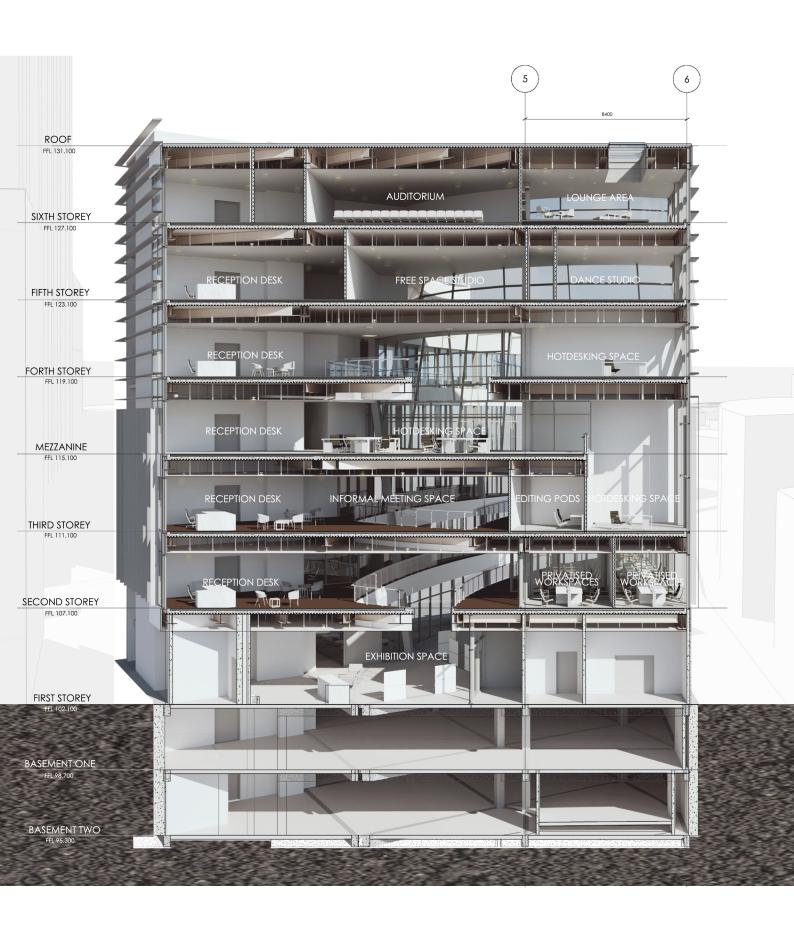
SUNSHADING

The fins also acts as a sunhsading device, whereas on the lower floors, vertical fins are used to shade the interior at certain times of the day and on the top floors, horizontal fins are used to shade from the sun at all times as there would be lesser shadow casted from surrounding buildings at a higher floor.

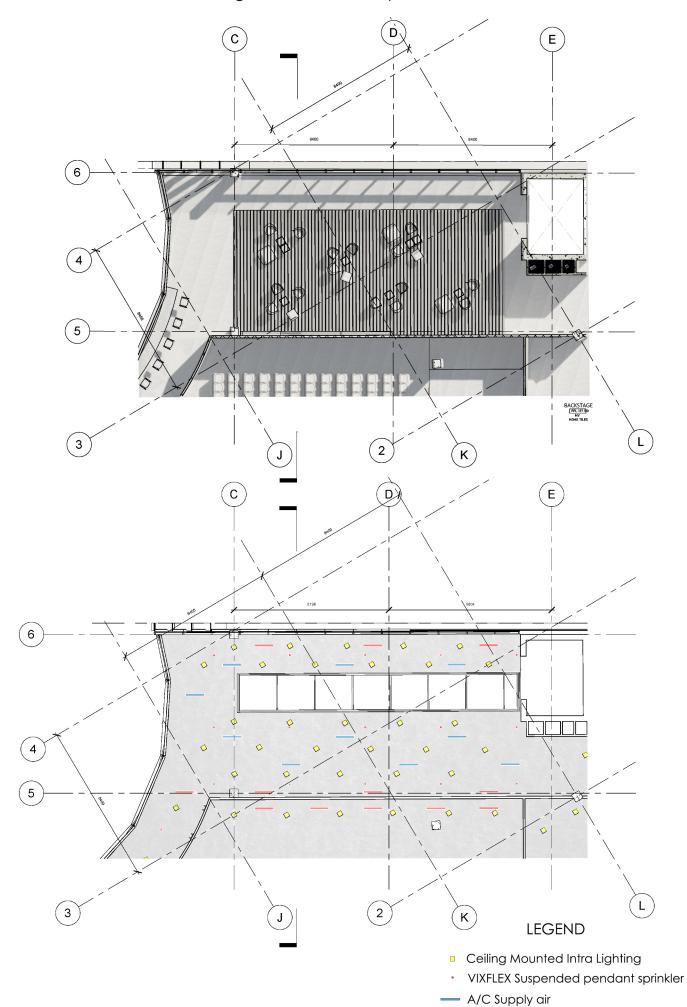
REFLECTING INFRARED ENERGY

The curtain wall facade system uses low-e coated double glass panels, reflecting unwanted heat from entering the building

SECTIONAL PERSPECTIVE A-A



Part Plan and Reflected Ceiling Plan of Feature Space



A/C Return air



Networking Area



Hotdesking Area



Atrium Space

SKYLIGHT

2MM THK WATERPROOF ALUMINIUM FLASHING

HOLLOW STEEL SECTION -

150MM X 75 KAWNEER ALUMINIUM FRAMING -

30MM THK INSULATION GLASS LAMINATED LOW-E W 8MM AIRSPACE AND 8MM FROSTED GLASS

