

# MKR RESIDENCE



OHIREME UANZEKIN, YR1 ARCH.



## BRIEF

Design a three-bedroom house for an NFT digital artist. A home studio is required.

The given site is located within the Umm Suqeim beach front district. It measures 15 by 30 meters. The maximum floor area given is 275sqm.



## INFERENCE

- All houses in the district have flat roofs due to low precipitation.
- To avoid high traffic levels on 2D St. the position of entry may have to be moved to Al Qarib St.
- Surrounding structures use light color shades and utilize robust materials.
- Prevailing winds mainly originate from the beach front.
- The first floor could be aligned to north to allow for equal views to the sea.
- Office/Studio space to be located on the first floor to enjoy beach views.
- High foot traffic would call for more privacy with fence/vegetation
- Set back of 4m given in the front (facing the beach) whilst 2m for subsequent sides.
- Served spaces should get more priority for beach views to maximize its location.



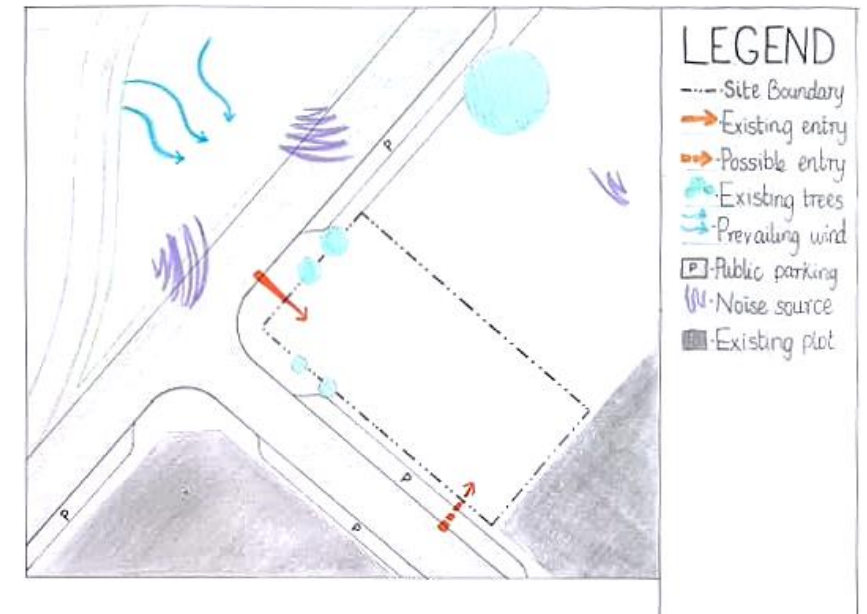
## SITE PHOTOS



## MACRO



## MICRO



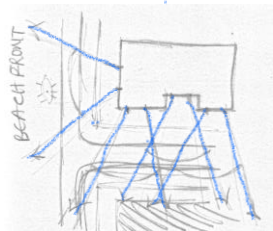


# DESIGN DEVELOPMENT

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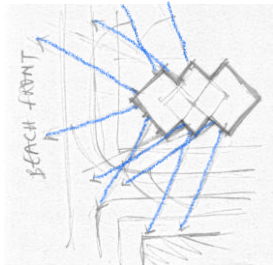
## CONCEPT

### Parallel Grid

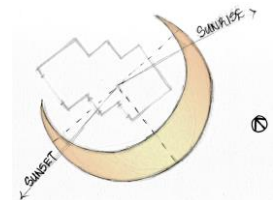


Only rooms close to the beach get clear beach views.

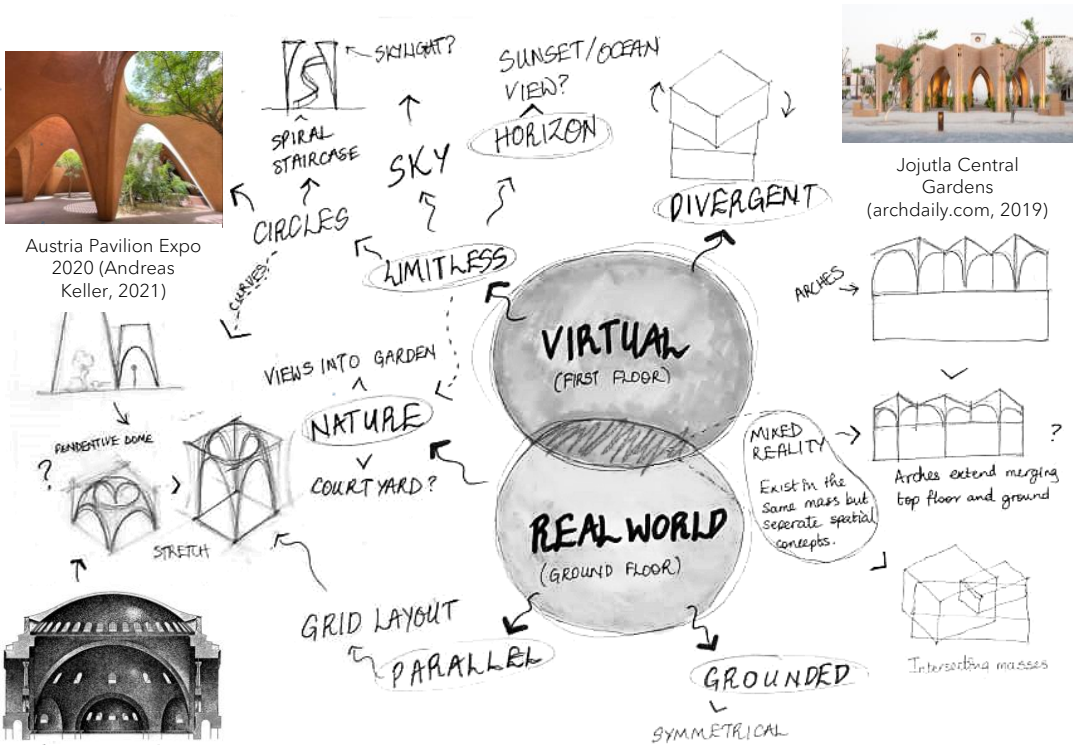
### Divergent Grid



Better views toward beach front across all rooms.



West facing windows all get sunset views



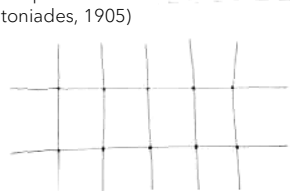
Austria Pavilion Expo 2020 (Andreas Keller, 2021)



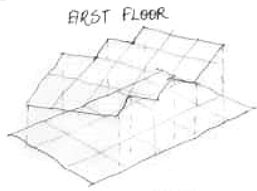
Hagia Sophia Dome (E. Antoniadis, 1905)



Jojutla Central Gardens (archdaily.com, 2019)



Parallel



GROUND FLOOR



Divergent

## STUDY MODEL - Façade development



Massing base



Hand drawn idea



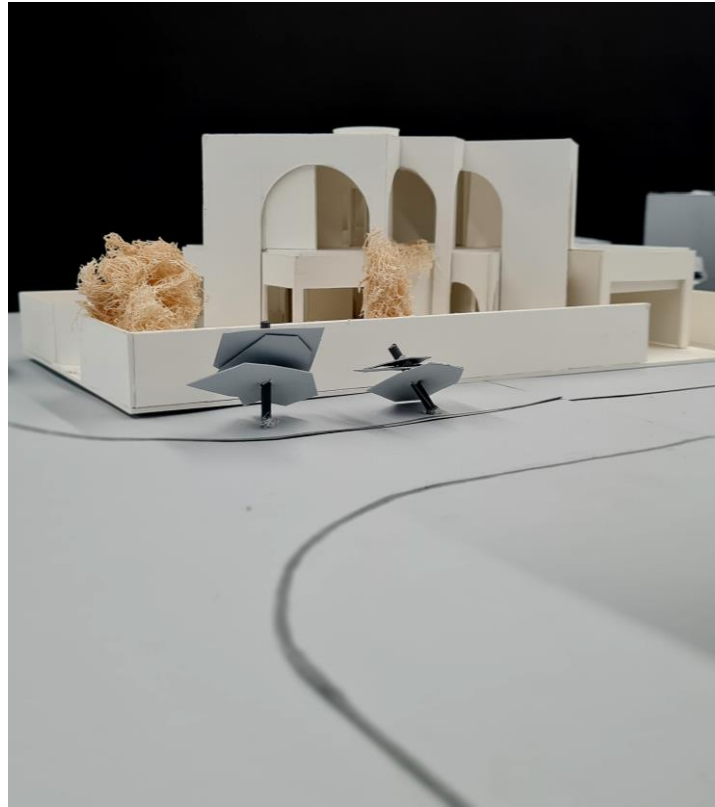
Arches introduced



Thicker arches + mini arches?



FINAL DESIGN - PHYSICAL MODEL 1:100



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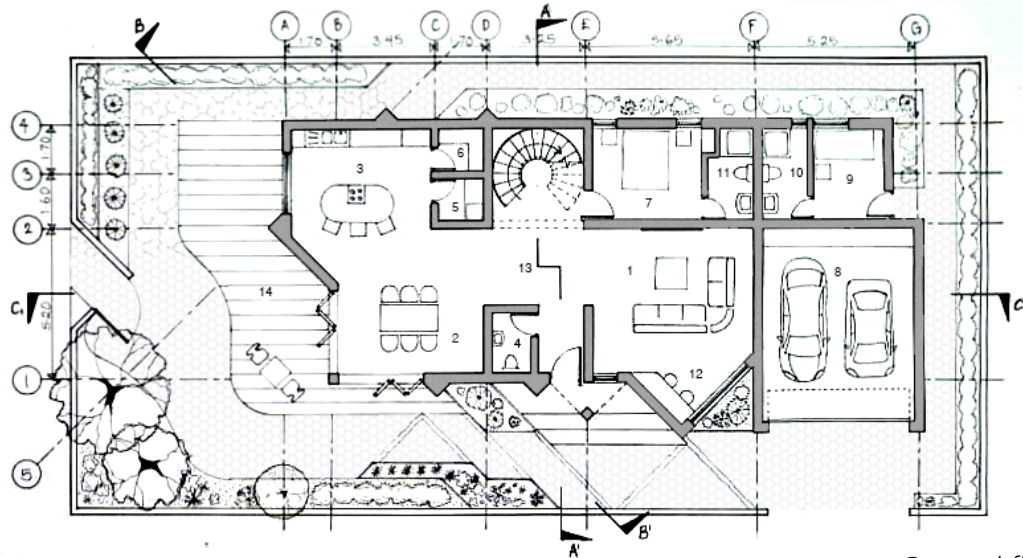
# SITE PLAN

OHIREME UANZEKIN, YR1 ARCH.



# FLOOR PLANS

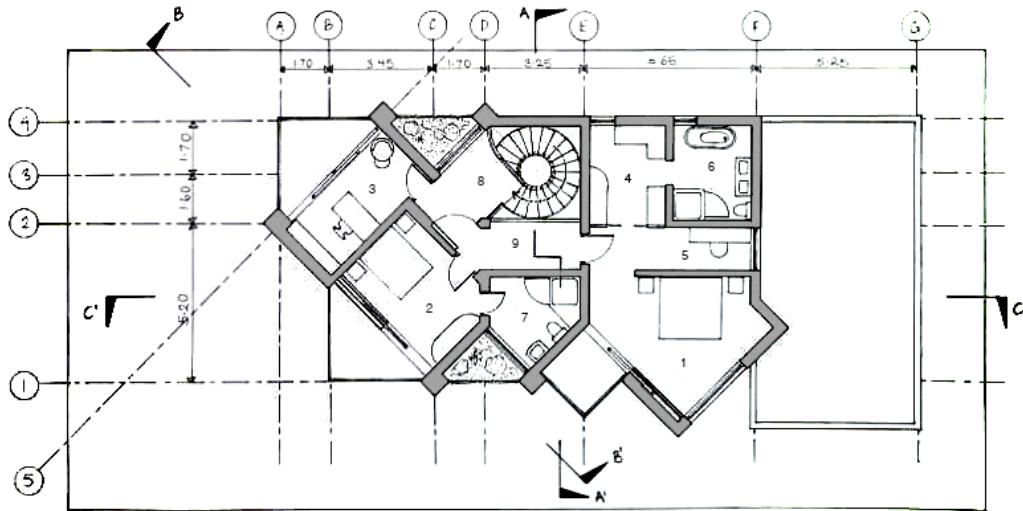
## GROUND FLOOR 1:100



1. Living Room
2. Dining Room
3. Kitchen
4. Powder Room
5. Laundry Room
6. Pantry
7. Guest Bedroom
8. Garage
9. Staff Room
10. Bathroom
11. Bathroom
12. Minibar
13. Entrance Foyer
14. Outdoor Deck

Ground floor area - 152.96sqm

## FIRST FLOOR 1:100



1. Master Bedroom
2. Bedroom
3. Home Studio
4. Walk-in Closet
5. Work Nook
6. Bathroom
7. Bathroom
8. Stair Landing
9. Hallway

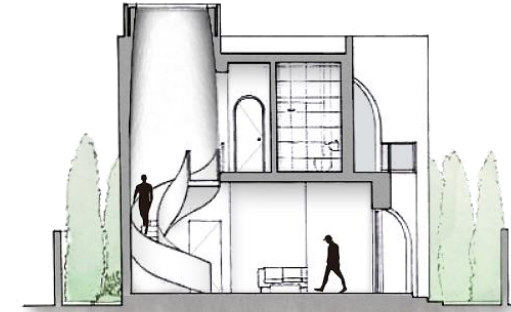
First floor area - 113.69sqm

**Total floor area - 266.6sqm**

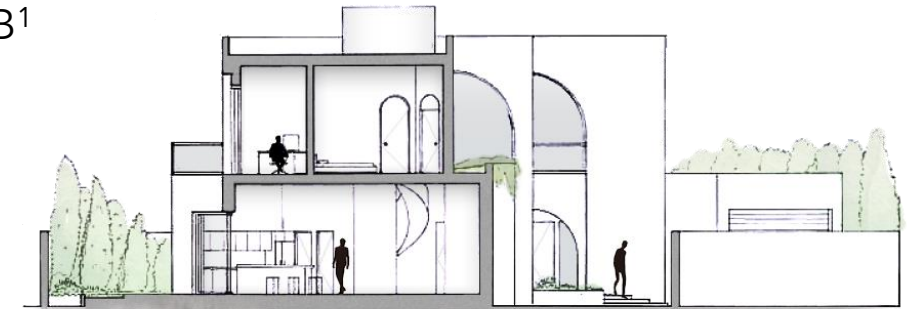
# SECTIONS

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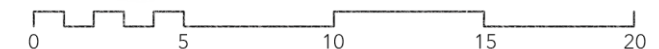
## A-A<sup>1</sup>



## B-B<sup>1</sup>



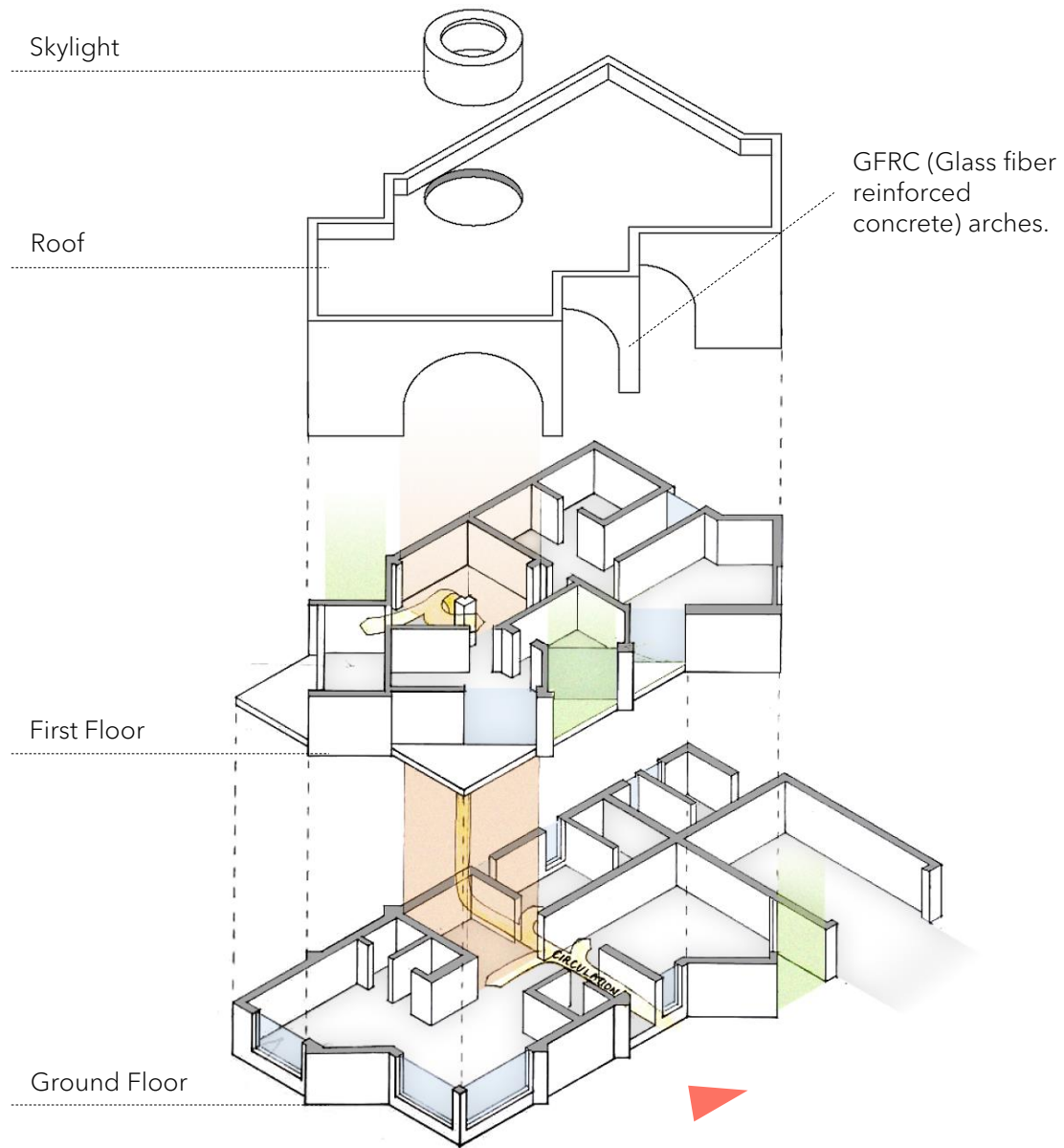
## C-C<sup>1</sup>



## GROUND FLOOR OPEN PLAN



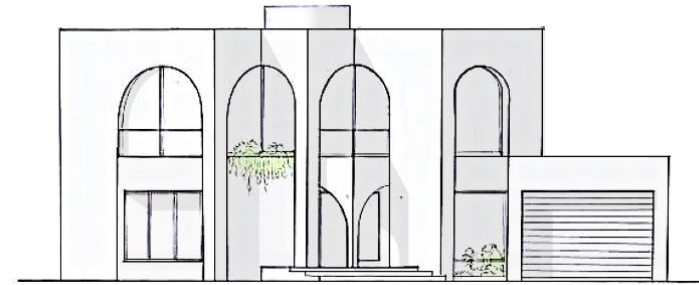




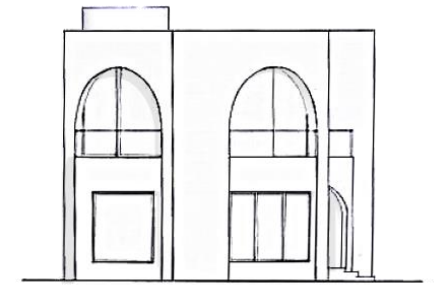
## EXPLODED AXO

# ELEVATIONS

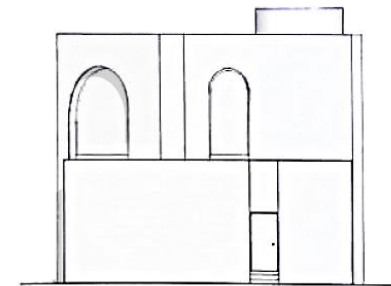
OHIREME UANZEKIN, YR1 ARCH.



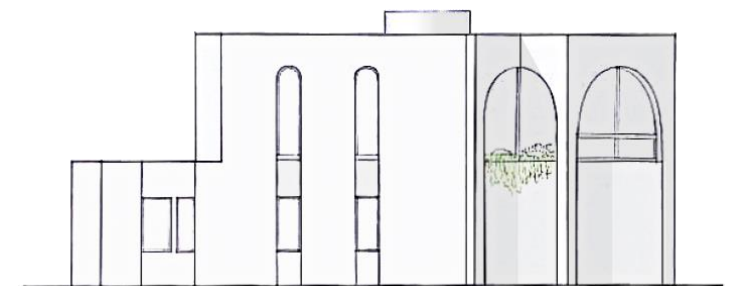
APPROACH ELEVATION



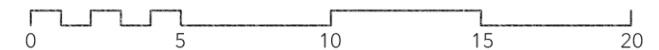
FRONT ELEVATION



REAR ELEVATION



SIDE ELEVATION



The series of arches which make up the façade are not only aesthetically pleasing but also provide structural support to the building. Its intricate crisscross nature forms an exoskeleton around the house, transferring loads from the first floor to the ground, and subsequently the foundation.



# ARTIST STUDIO

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Artist studio provides an inspiring and tranquil space for the client to work.

## FEATURES

- Large window brings in natural light with views out to the ocean. Its north facing direction avoids direct sunlight, which creates a conducive working space all year round.
- Opens to beach-front terrace to connect with outdoors.
- High ceiling makes the space feel larger.



GROUND FLOOR



OPEN PLAN GROUND FLOOR



FIRST FLOOR

ENTRY



STAIRWELL

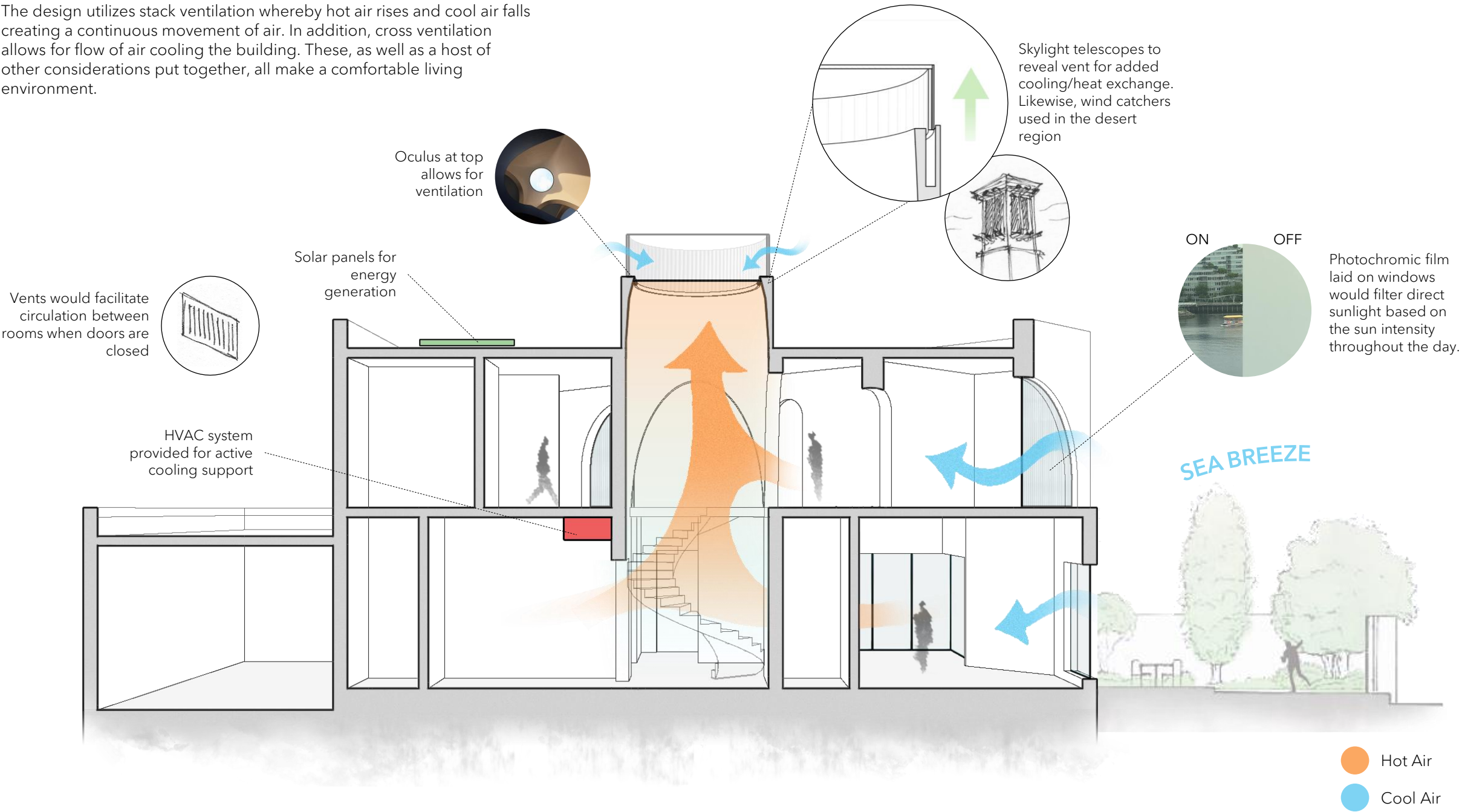




# ENVIROMENTAL STUDIES

OHIREME UANZEKIN, YR1 ARCH.

The design utilizes stack ventilation whereby hot air rises and cool air falls creating a continuous movement of air. In addition, cross ventilation allows for flow of air cooling the building. These, as well as a host of other considerations put together, all make a comfortable living environment.





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