



Integrated Center for Recycling and Community Development

in Manshiyat Nasser - EL-Mokattam
(Here, gold is extracted from the trash).

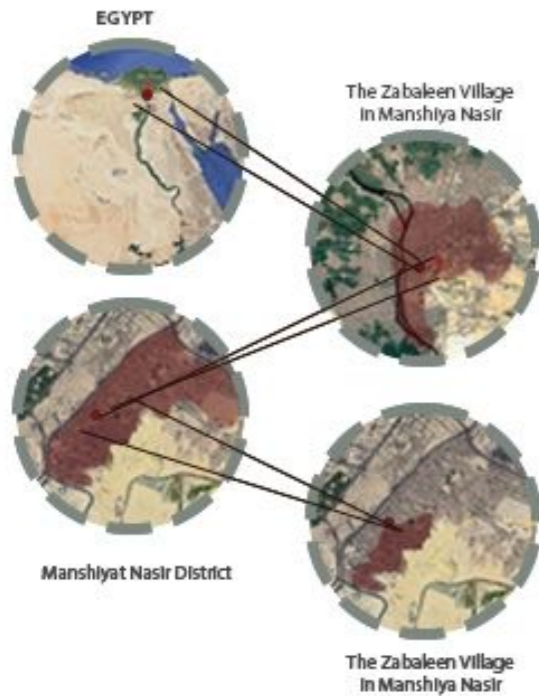


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Presented to:
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the introduction

Manshiyat Nasser is considered the first integrated - informal - recycling system, inhabited by more than 70,000 people of all ages, and located in Cairo.



The problem

The Zabaleen neighborhood in Manshiyat Naser faces multiple challenges, such as environmental and health pollution, living conditions, poverty, and social stigma.



An aerial view where garbage collectors gather tons of waste and sort it daily. Piles of waste inside the neighborhood.

What distinguishes the neighborhood

Surrounding landmarks



LOCATION



AREA = 19 FADAN
Planning Studies

The site is located south of the Zabbaleen district.

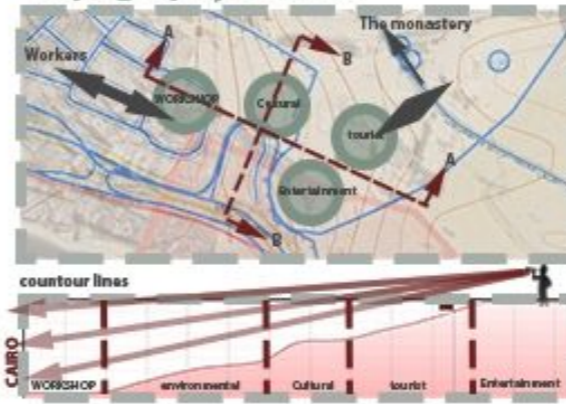
Geographical boundaries:
Zabbaleen district



VIEWS FROM SITE

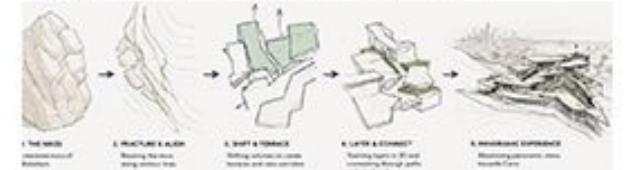


Topography Studies

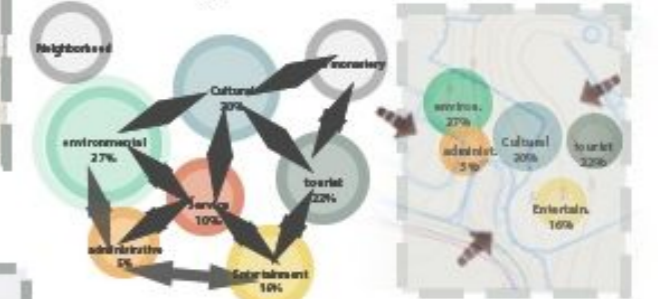


concept

Inspired by the geology of Mokattam, the project is formed by fractured limestone masses and the natural contour lines of the mountain.



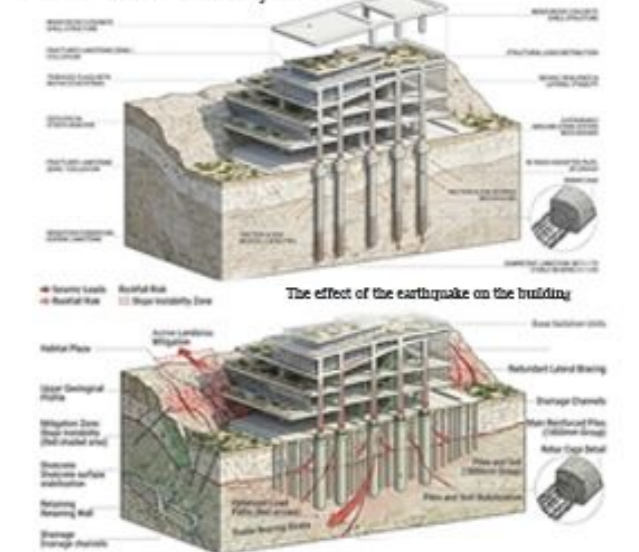
zoning



3D zoning



Structural system

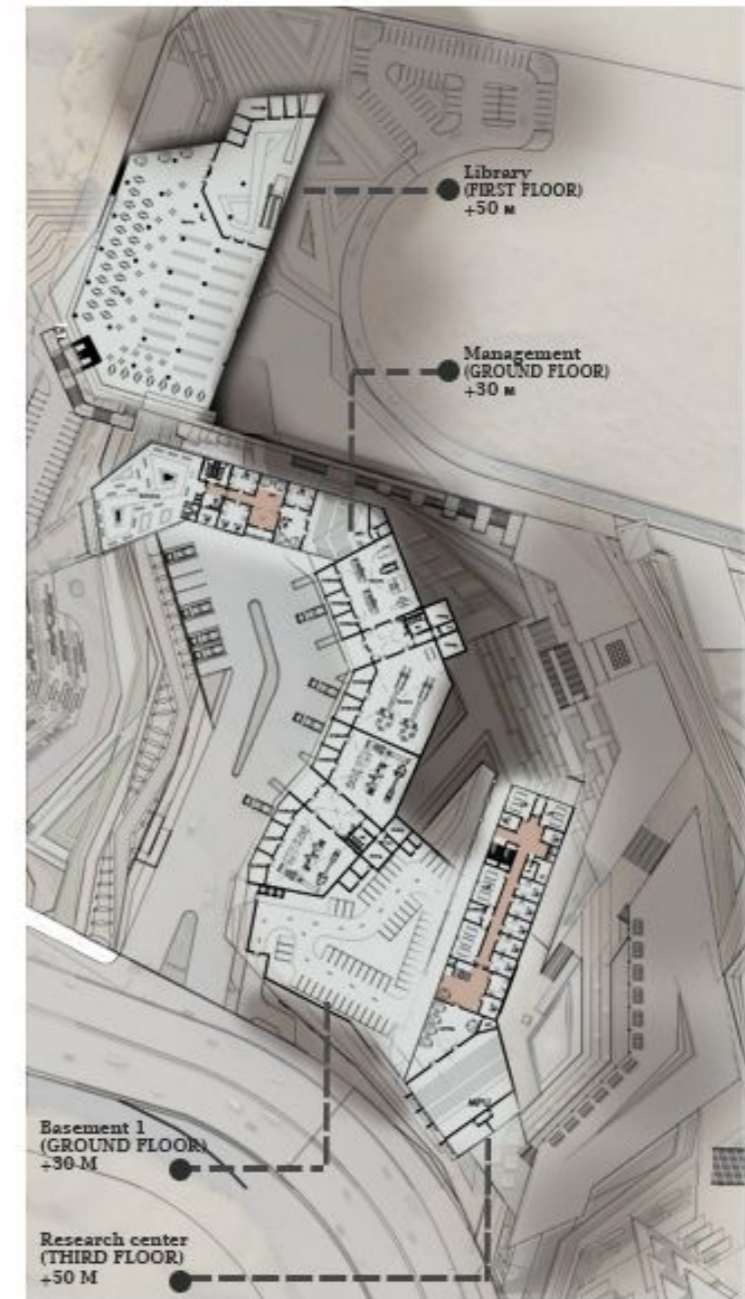




MAIN SHOT



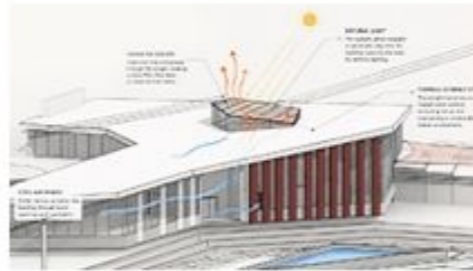
MASTER FLOOR PLAN SCALE (1:600)



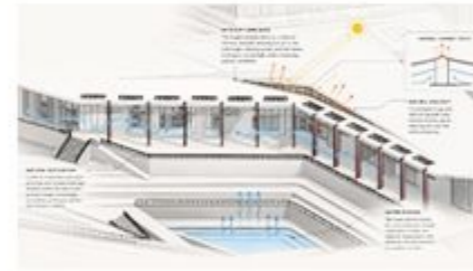
FLOOR PLANS SCALE (1:1000)



Vertical breakers on the west front



SKYLIGHT



Water Element



Recycled wooden shades



Solar panels for saving energy



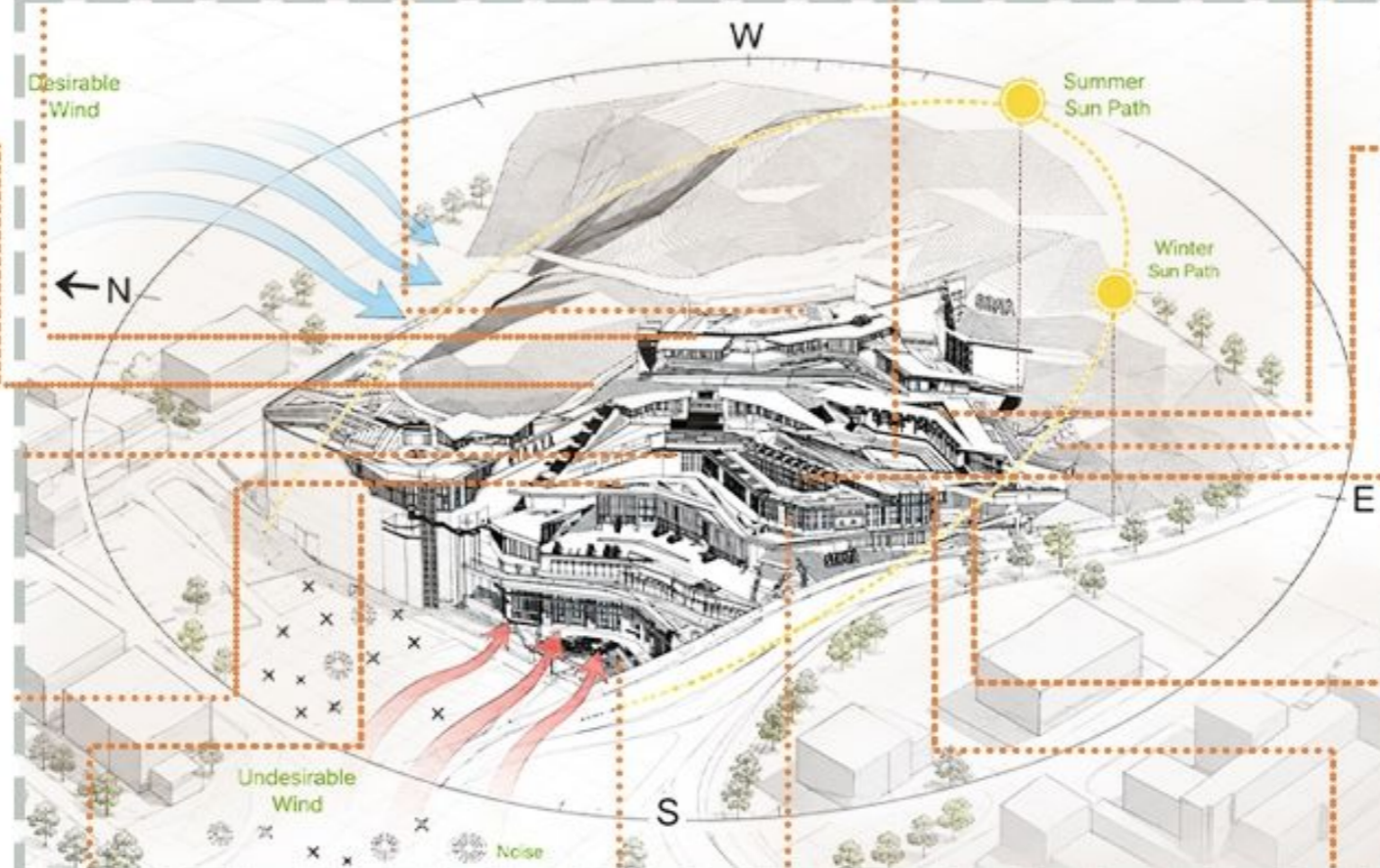
Limestone Facades



The top vents of the factories



Low-E Glass



Rainwater Harvesting



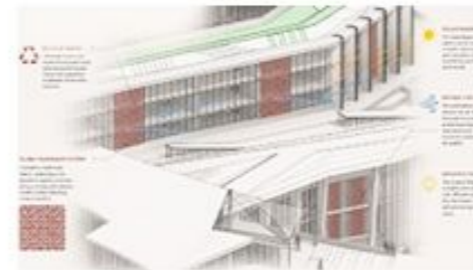
open court



Green Walls



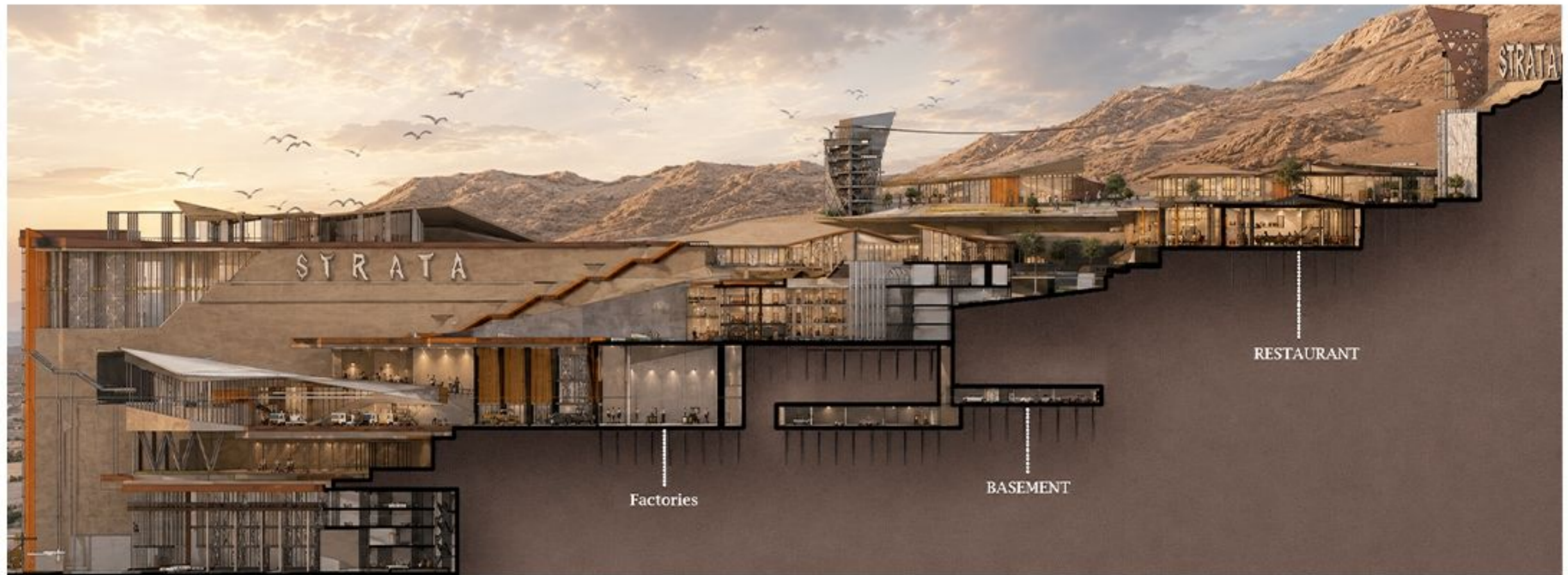
SKYLIGHT



facades treatment with screens



Green Roofs



SECTION (2-2) SCALE (1:600)

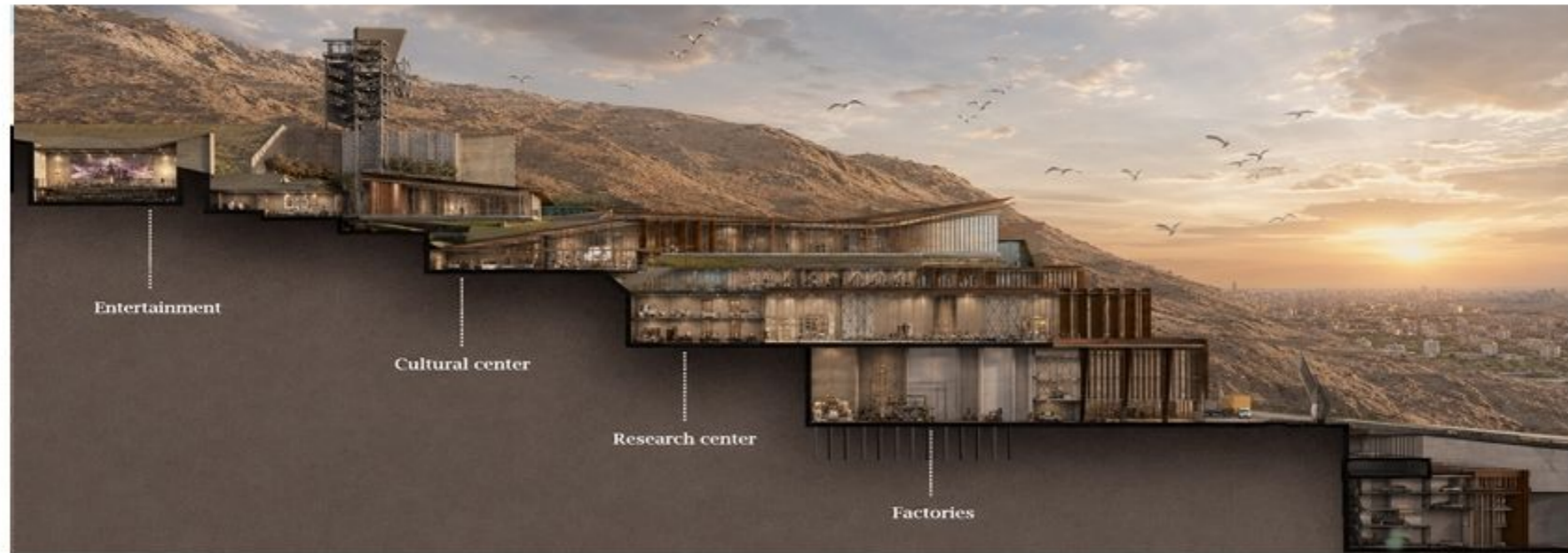


SECTION (3-3) SCALE (1:600)





ELEVATION (2) SCALE (1:600)



SECTION (1-1) SCALE (1:600)



ELEVATION (1) SCALE (1:600)



One of the restaurants overlooking historic Cairo.



A perspective shot from the main street.



The library carved into the rock.



A perspective shot from the main street.