

**DANIEL PEMUELLER**

ARCHITECTURE PORTFOLIO

[dpemuller@gmail.com](mailto:dpemuller@gmail.com)  
(434) 249-1425 (WhatsApp)

# INTROVERTED HOUSE

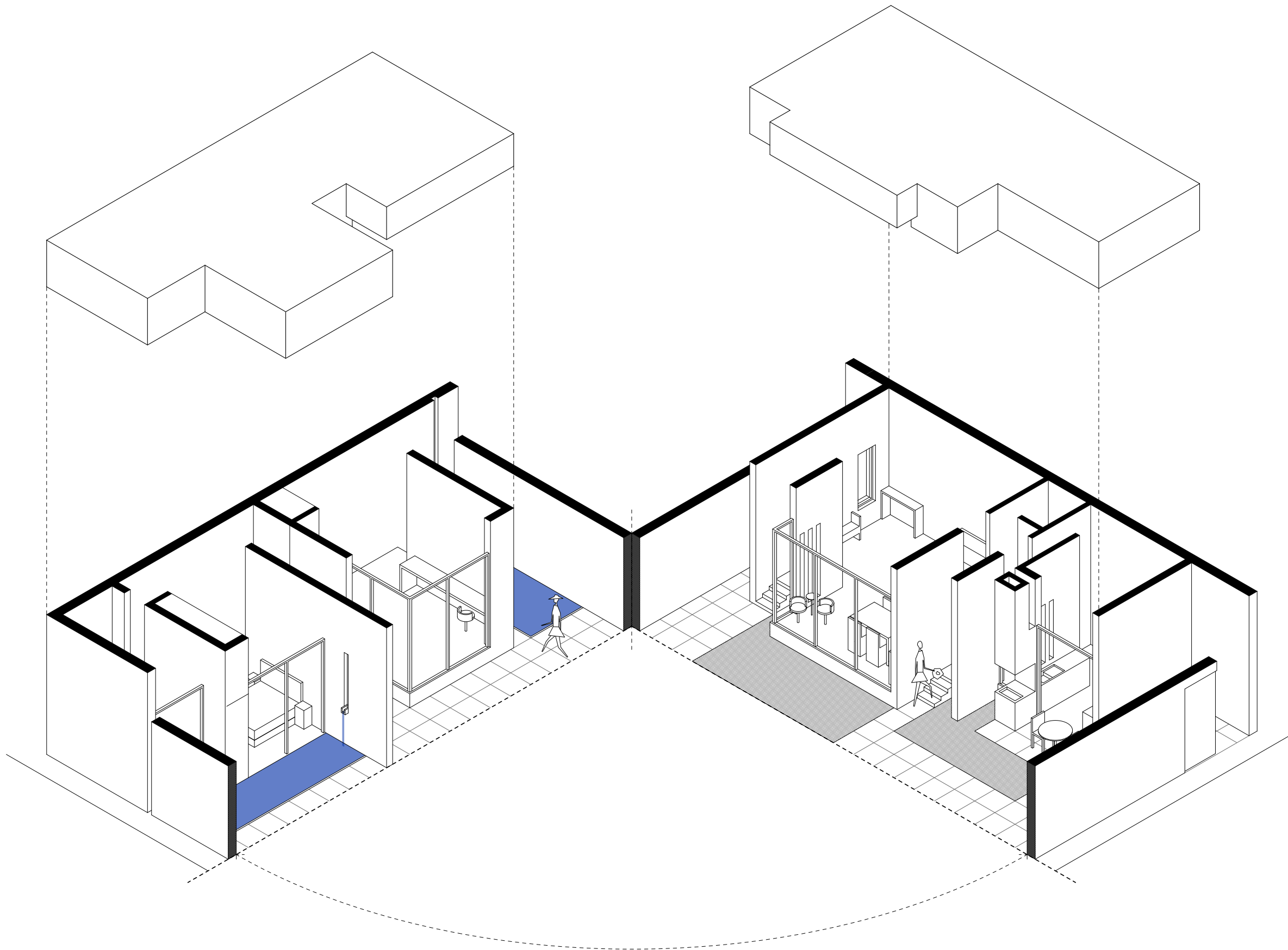
February 2022

University of Virginia School of Architecture

Foundation Studio III

Medium: Rhino 7

This home is situated on a square-shaped terrain, surrounded by neighboring projects on all sides. Due to this, the house is designed to be “introverted” and oriented onto itself, creating an enclosed yet open environment. The public spaces are located in the North, while private areas are in the South. The connection between the two is bridged by an outdoor terrace with gardens and reflective pools, creating a calming atmosphere for an artist to live and work in one place.



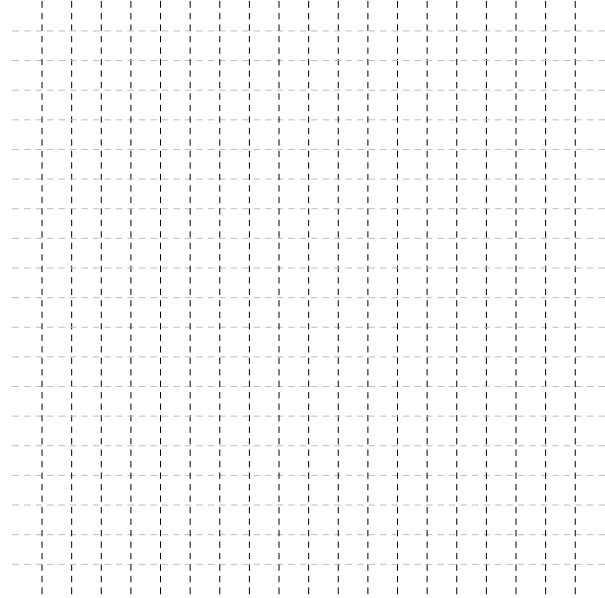
**Terrain Area:**

2,500 ft<sup>2</sup> (232 m<sup>2</sup>)

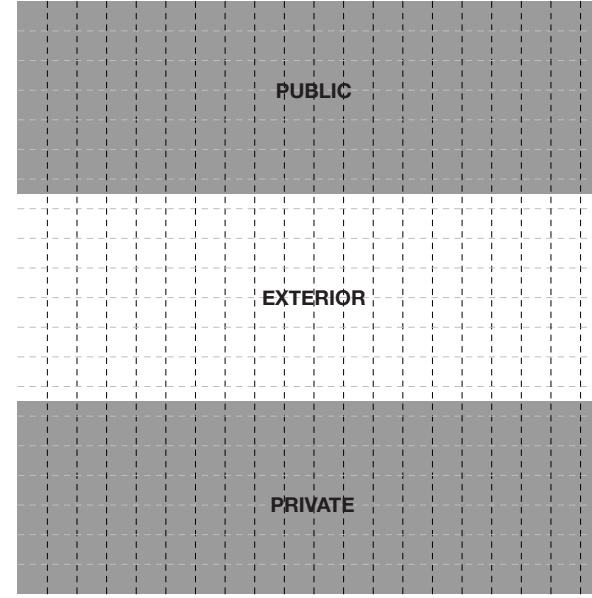
**Built-Up Area:**

1,094 ft<sup>2</sup> (102 m<sup>2</sup>)

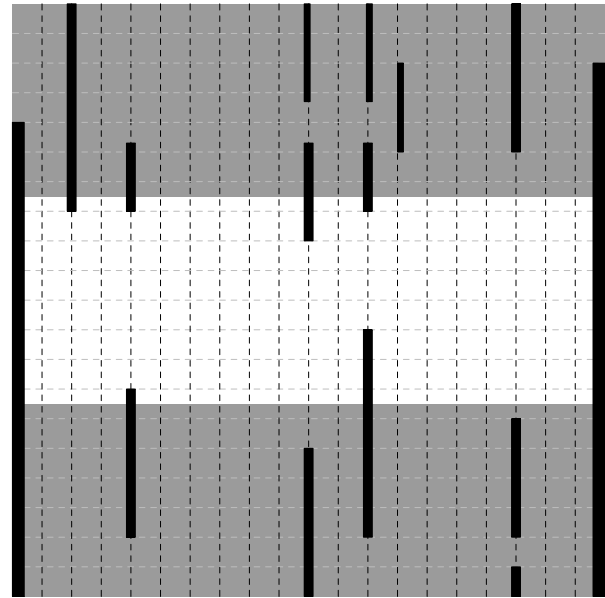
1



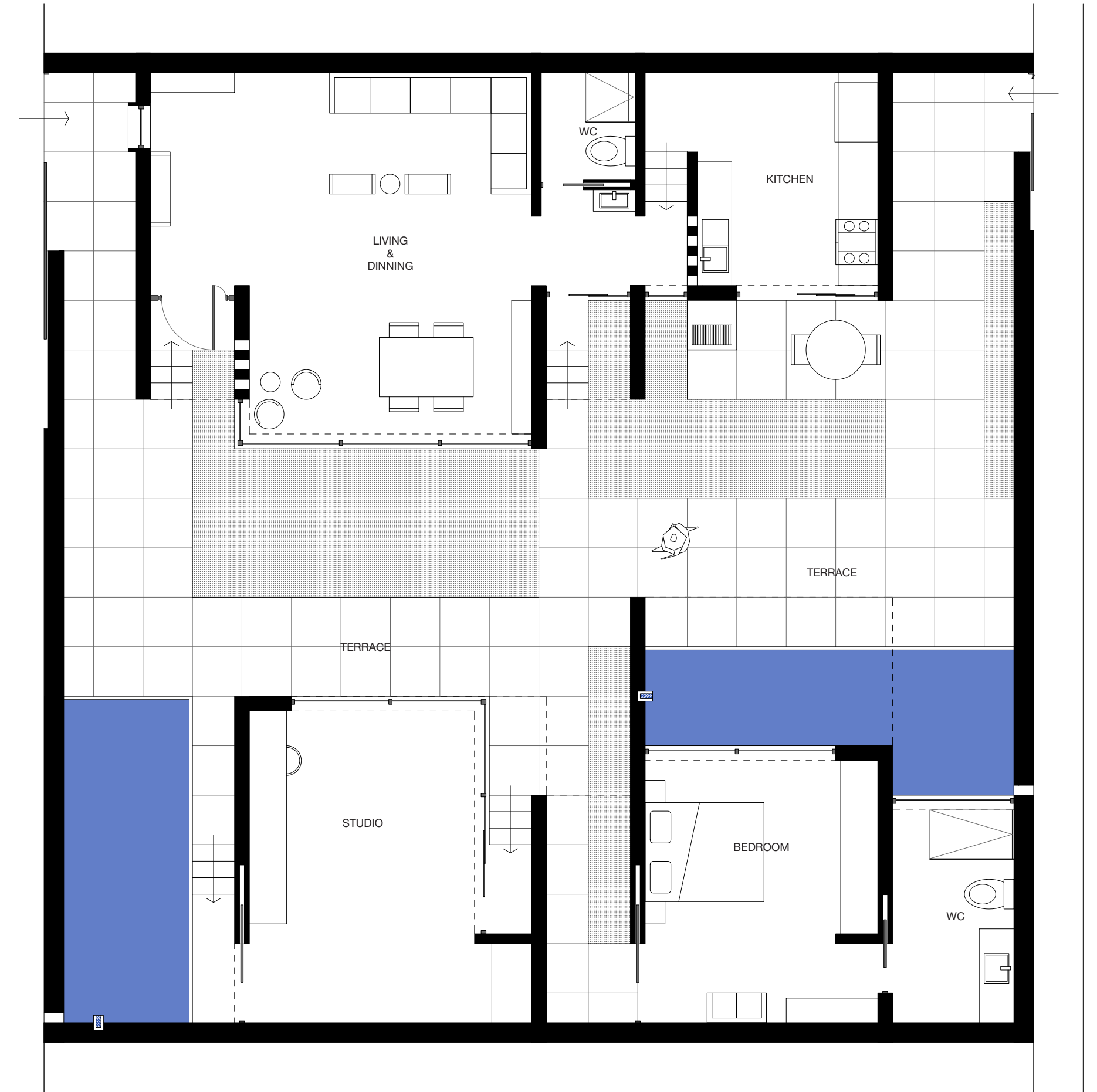
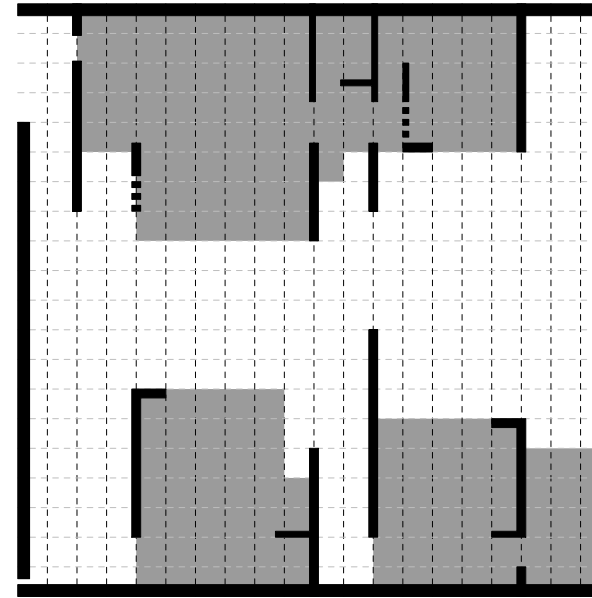
2



3



4



# MODULE COMPLEX

May 2022

University of Virginia School of Architecture

Foundation Studio III

Medium: Rhino 7

This housing complex in Richmond, Virginia, is designed as an aggregation of one and two-bedroom apartments, promoting the idea of living, working, and resting in one place. The project's goal is to create a strong sense of community in an area where it may not be apparent. To achieve this, communal areas are provided throughout its 13 stories. The movable panels that make up the building's façade offer privacy and openness to the outside for each apartment throughout the day.

**Total Units:** 42 (A = 24 | B = 18)

**Unit Area:** A = 1,625 ft<sup>2</sup> (150 m<sup>2</sup>) | B = 2,437 ft<sup>2</sup> (226 m<sup>2</sup>)

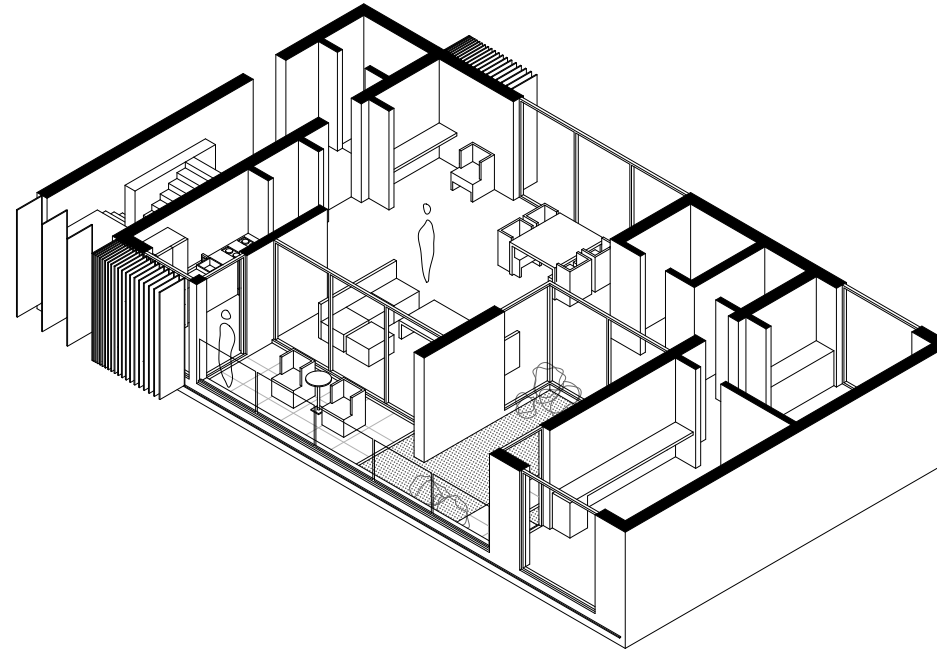
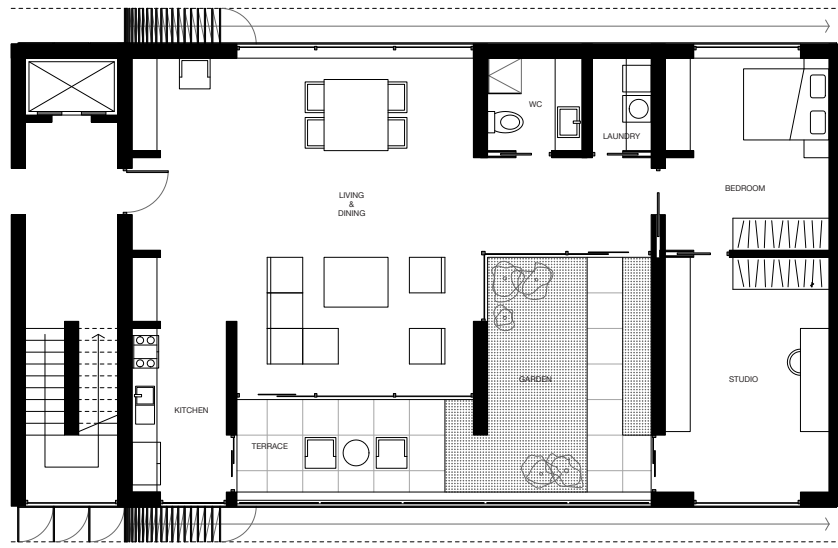
**Building Floor Area:** 9,262 ft<sup>2</sup> (860 m<sup>2</sup>)

**Terrain Area:** 32,400 ft<sup>2</sup> (3,010 m<sup>2</sup>)

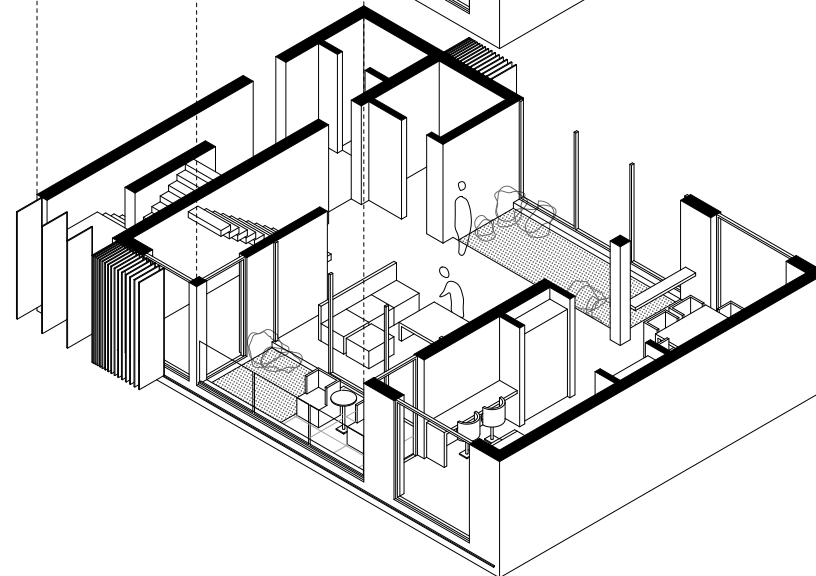
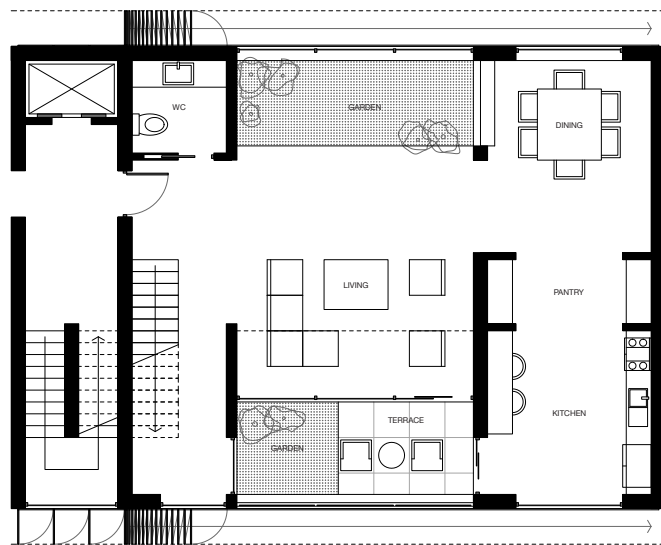
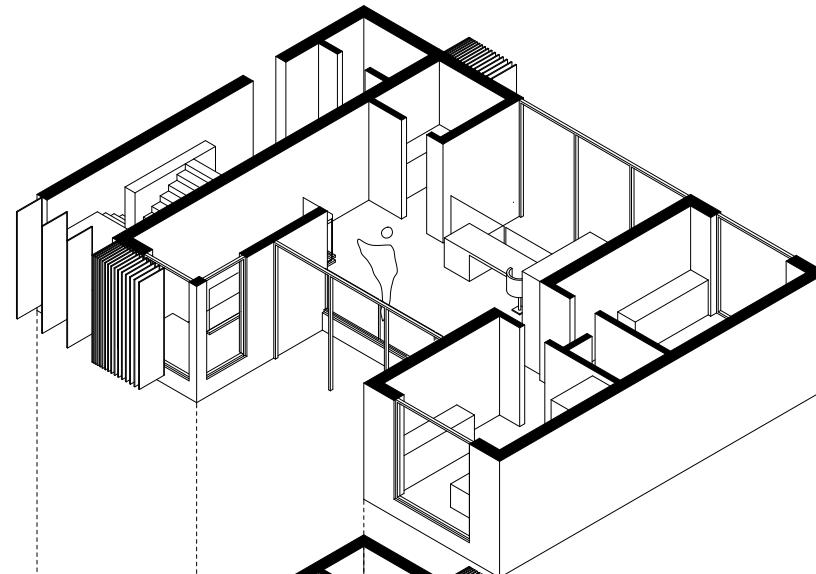
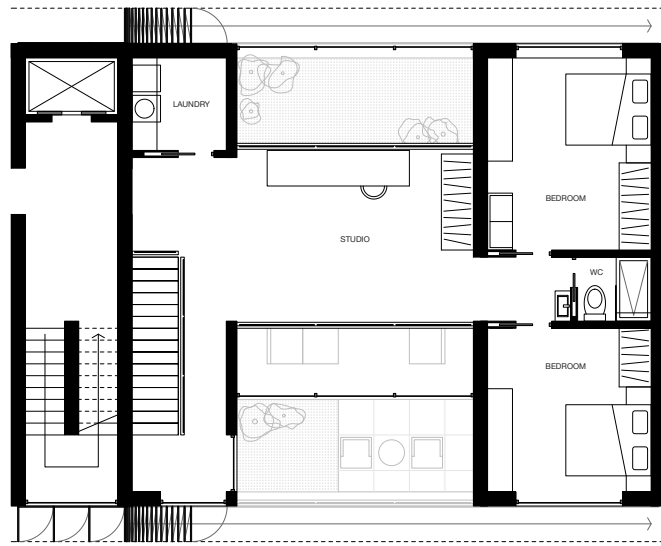
**Built-Up Area:** 129,390 ft<sup>2</sup> (12,021 m<sup>2</sup>)



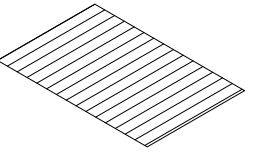
UNIT A



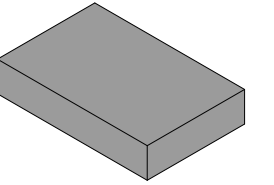
UNIT B



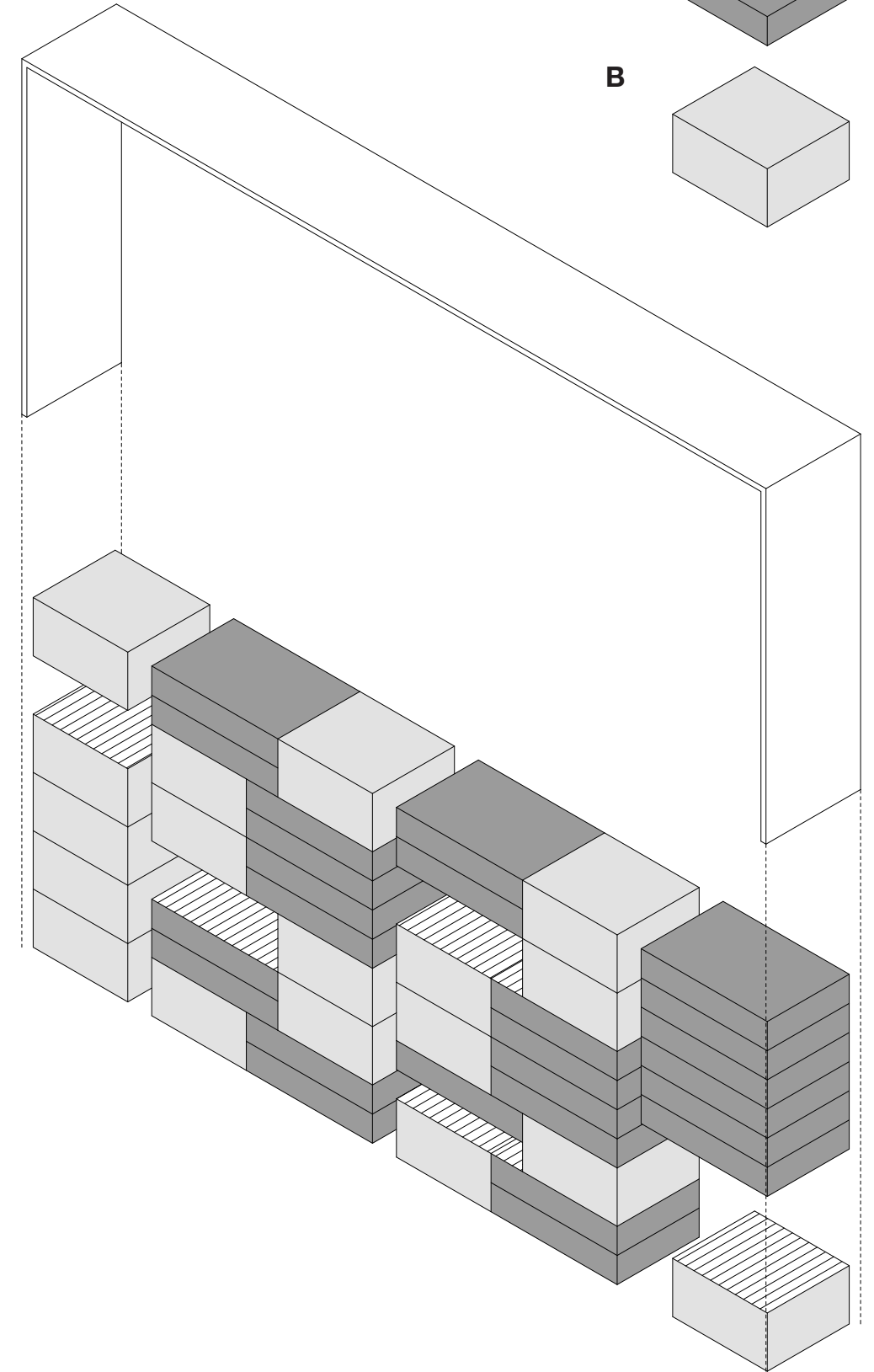
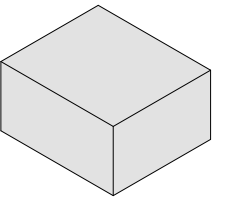
COMMUNAL SPACE



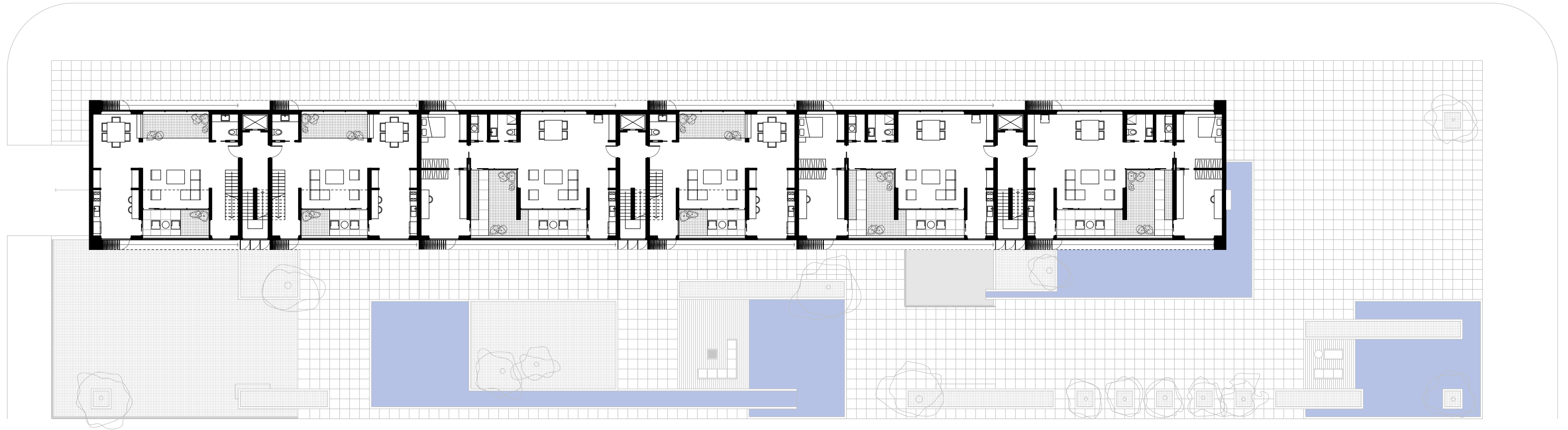
A



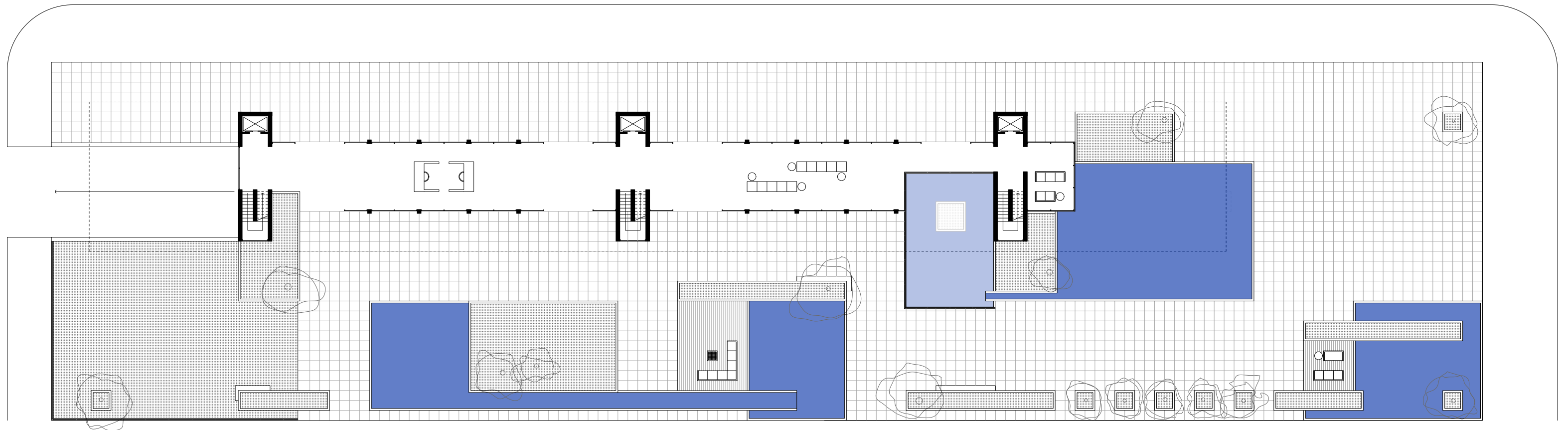
B

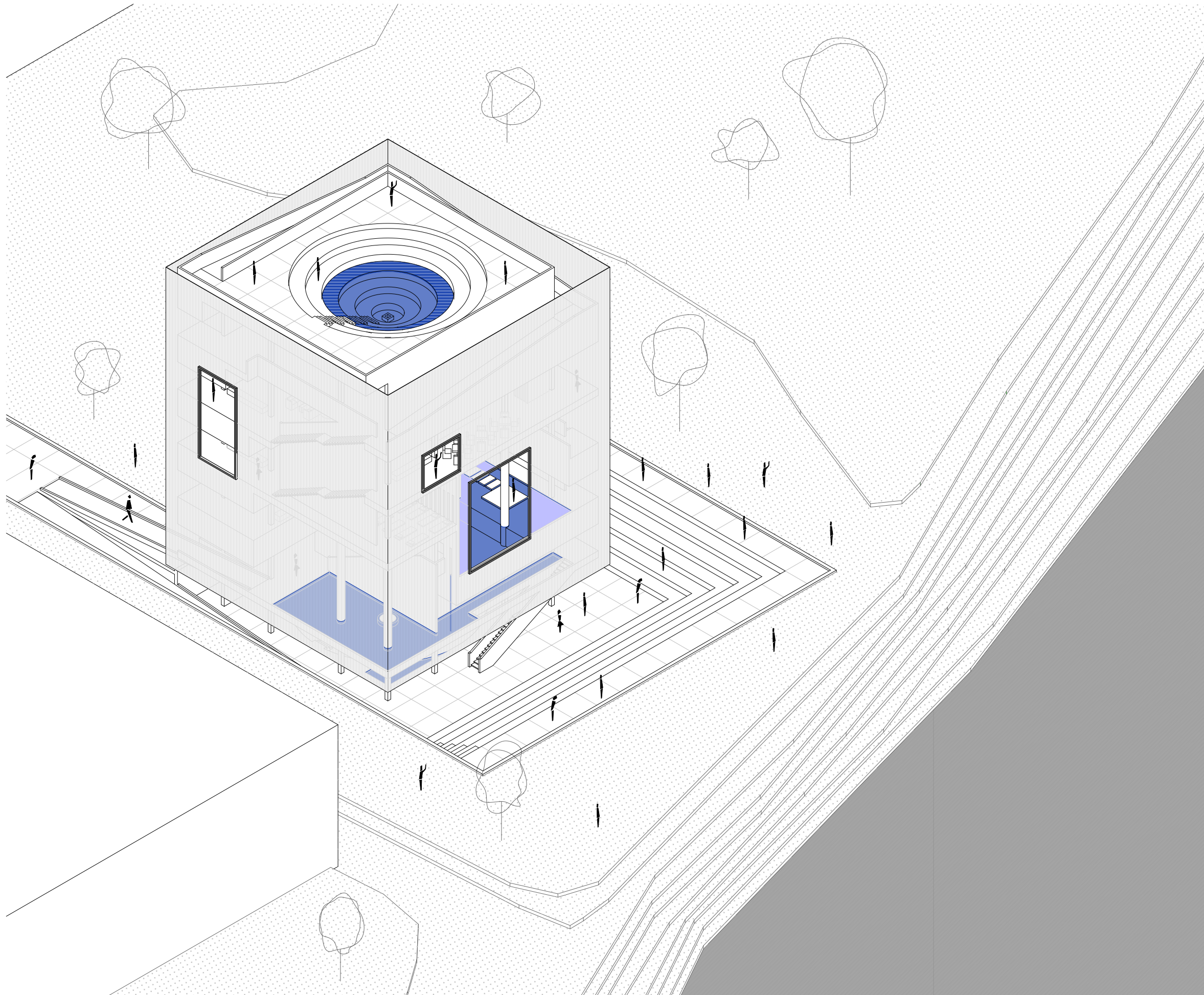


LEVEL 07



LEVEL 00





# THE BOX: A QUIET SANCTUARY

December 2022

University of Virginia School of Architecture

Foundation Studio IV

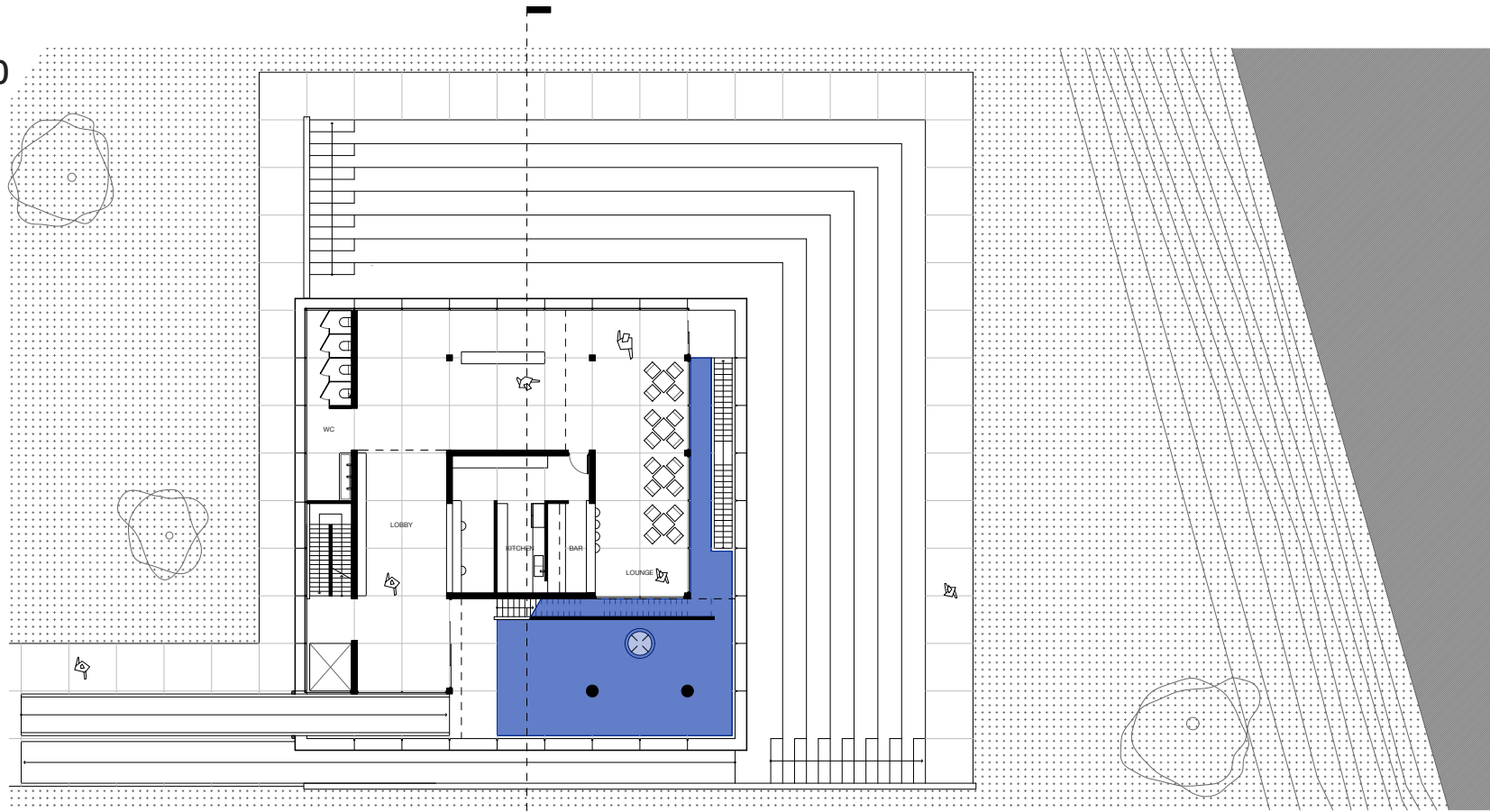
Medium: Rhino 7

The Box in Inwood, Manhattan, serves as a Quiet Sanctuary designed around the concept of water, which symbolizes its interconnectedness both in natural and urban environments. The building acts as an “hourglass,” collecting rainwater in the solarium and journeying through various programs until it reaches the ground-level amphitheater. The semi-translucent EFTE panels of the façade frame views while allowing natural illumination to penetrate the interior, creating a cohesive and holistic experience.

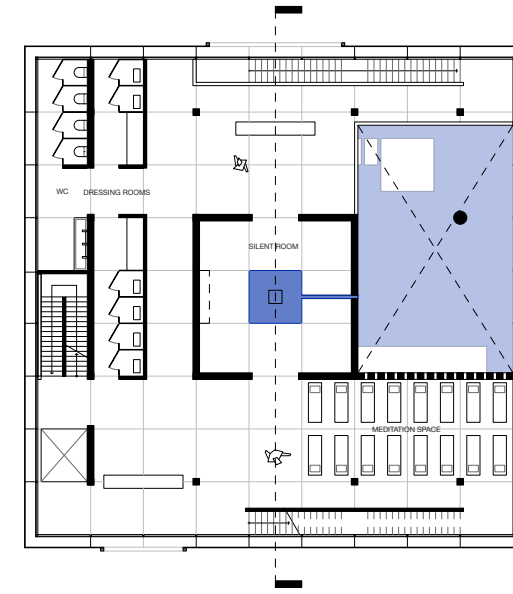
**Building Floor Area:** 5,184 sq. ft. (482 m<sup>2</sup>)

**Total Built-Up Area:** 33,600 sq. ft. (3122 m<sup>2</sup>)

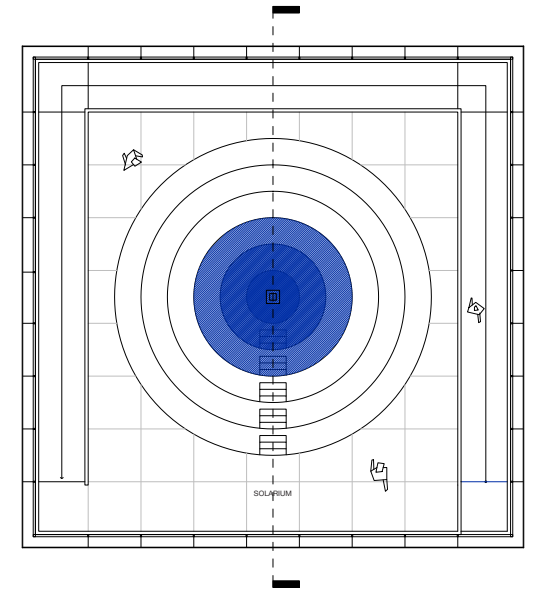
00



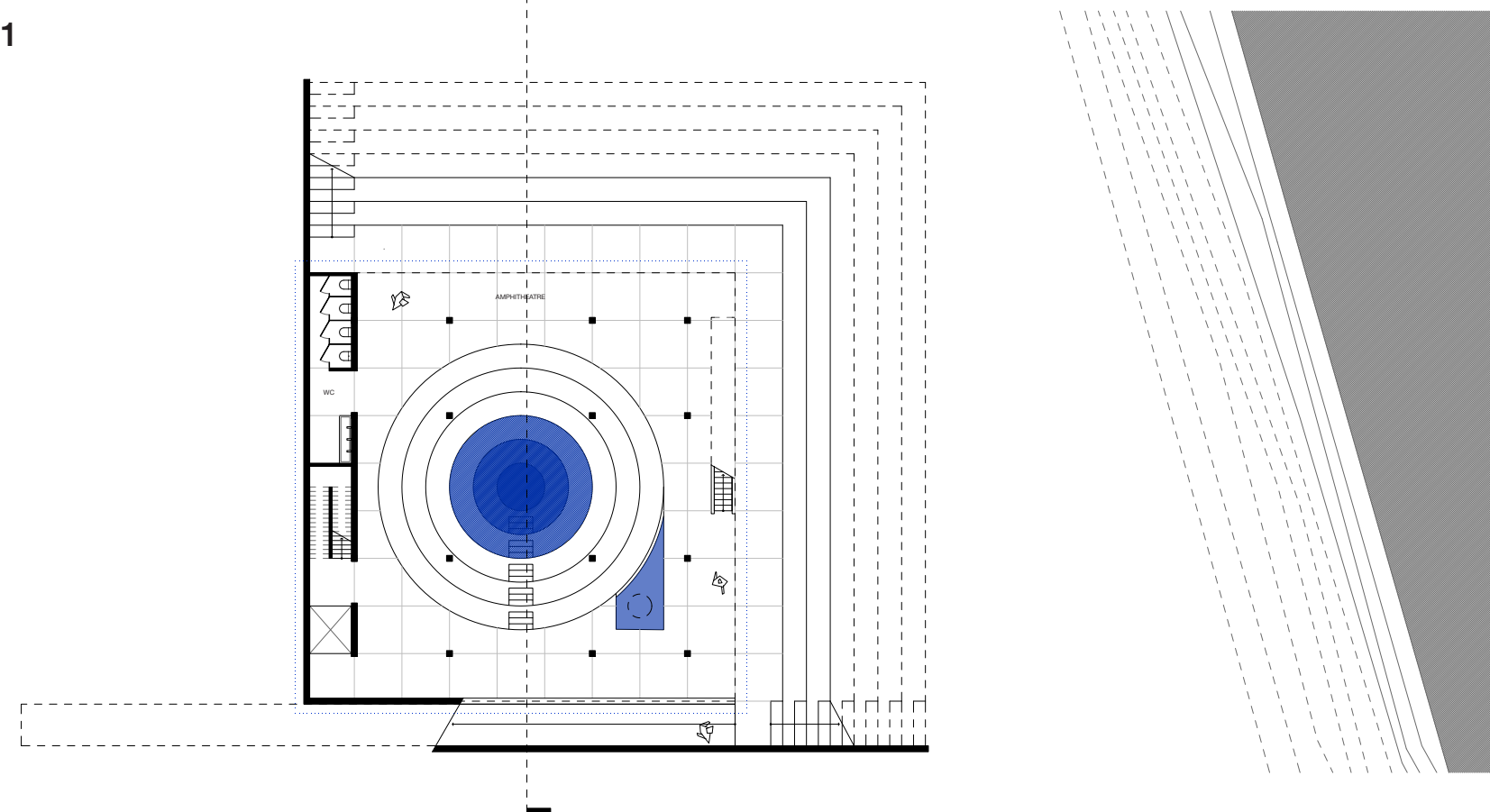
02



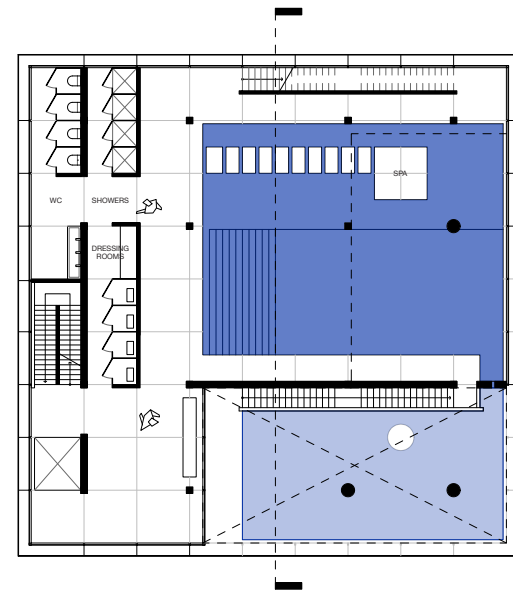
05



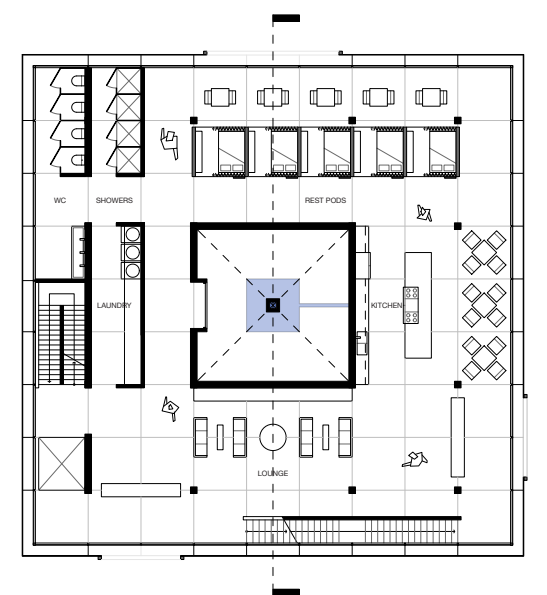
-01



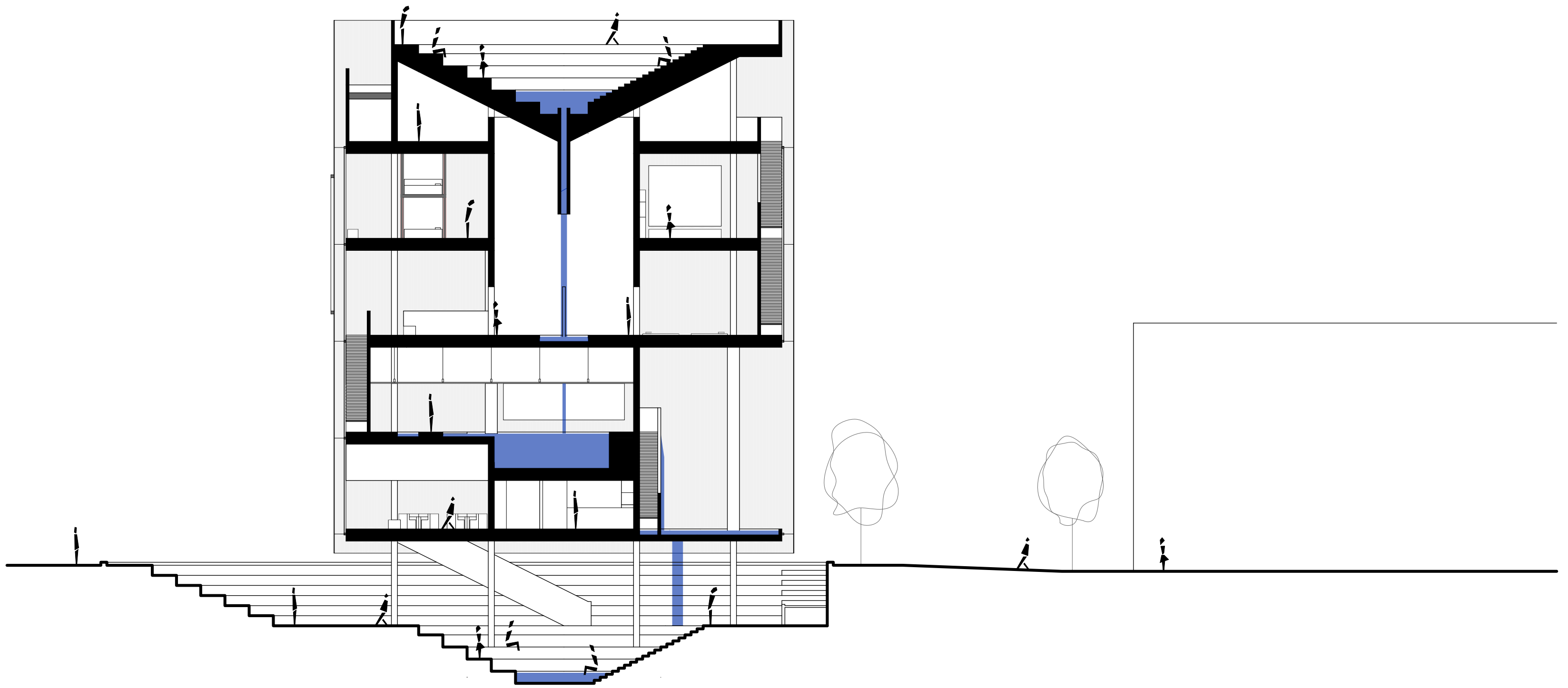
01

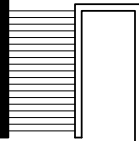
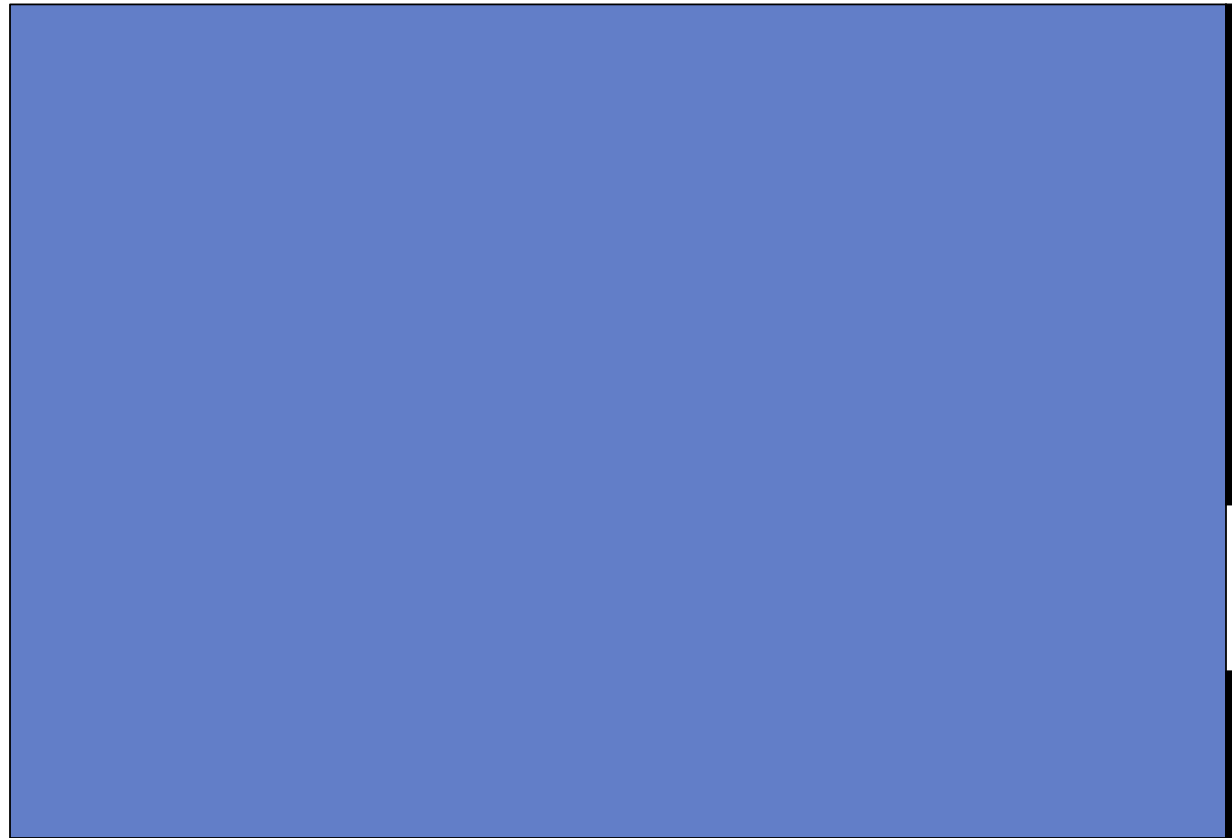


03









**dpemueller@gmail.com**  
**(434) 249-1425 (WhatsApp)**