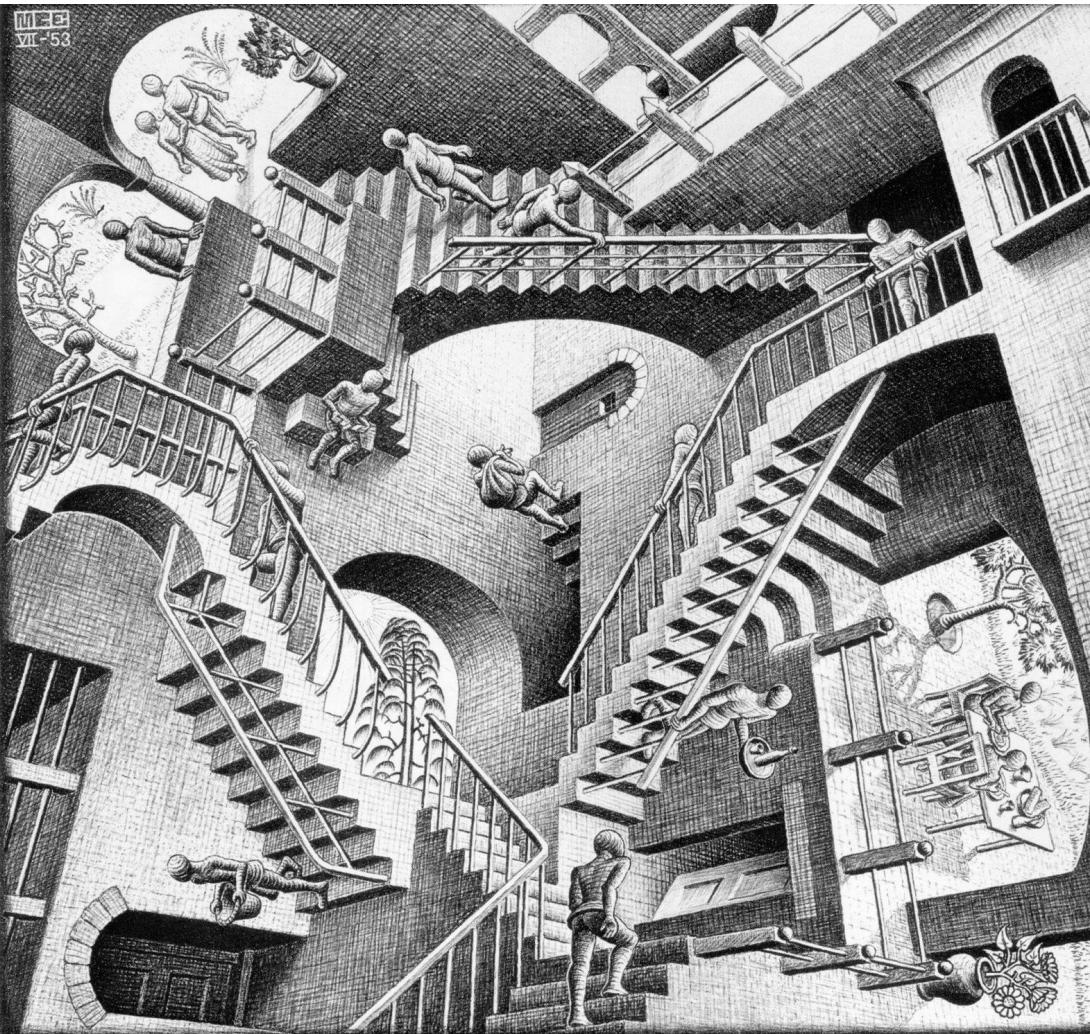


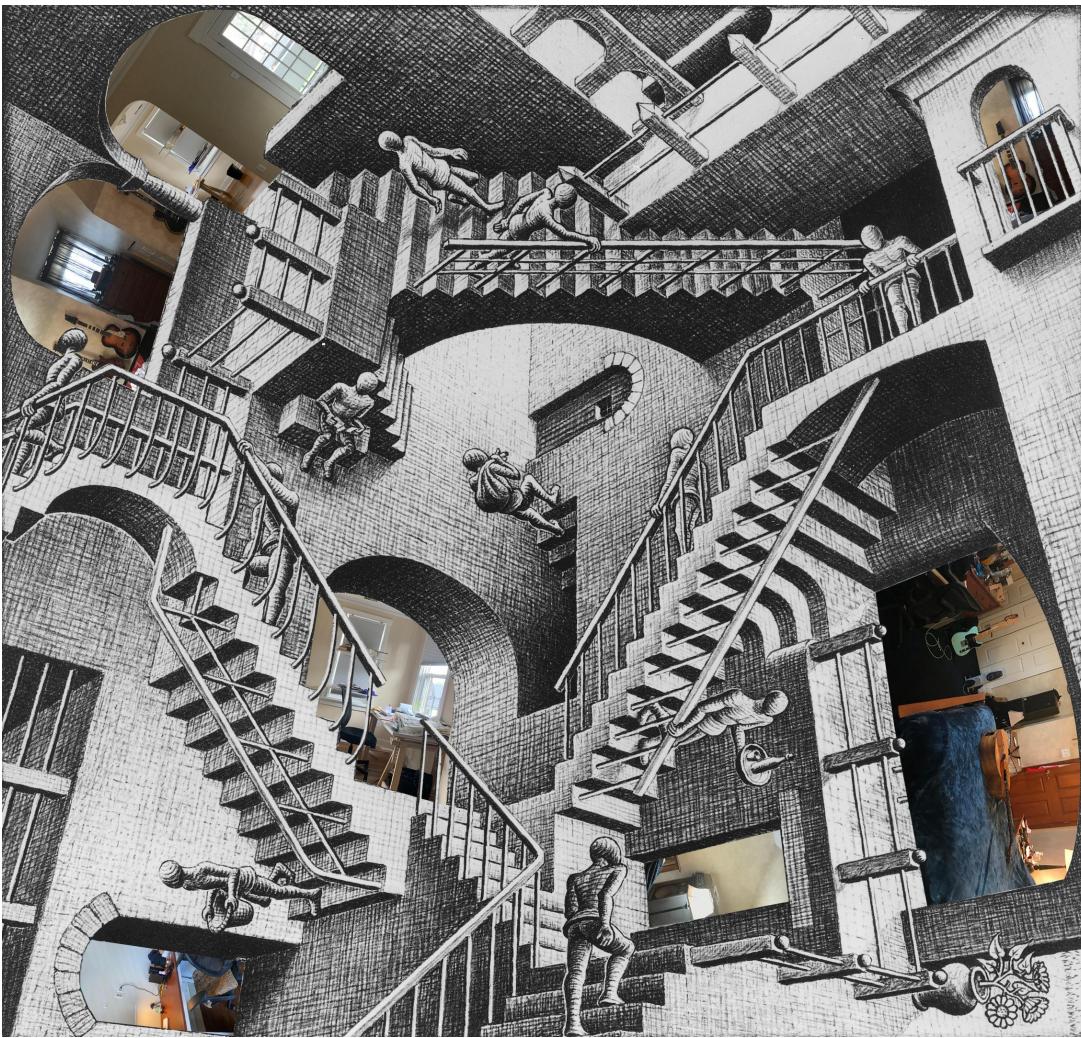
Our House: Relativity

Grace Ji, Yugyeong Lee, Michael Longo

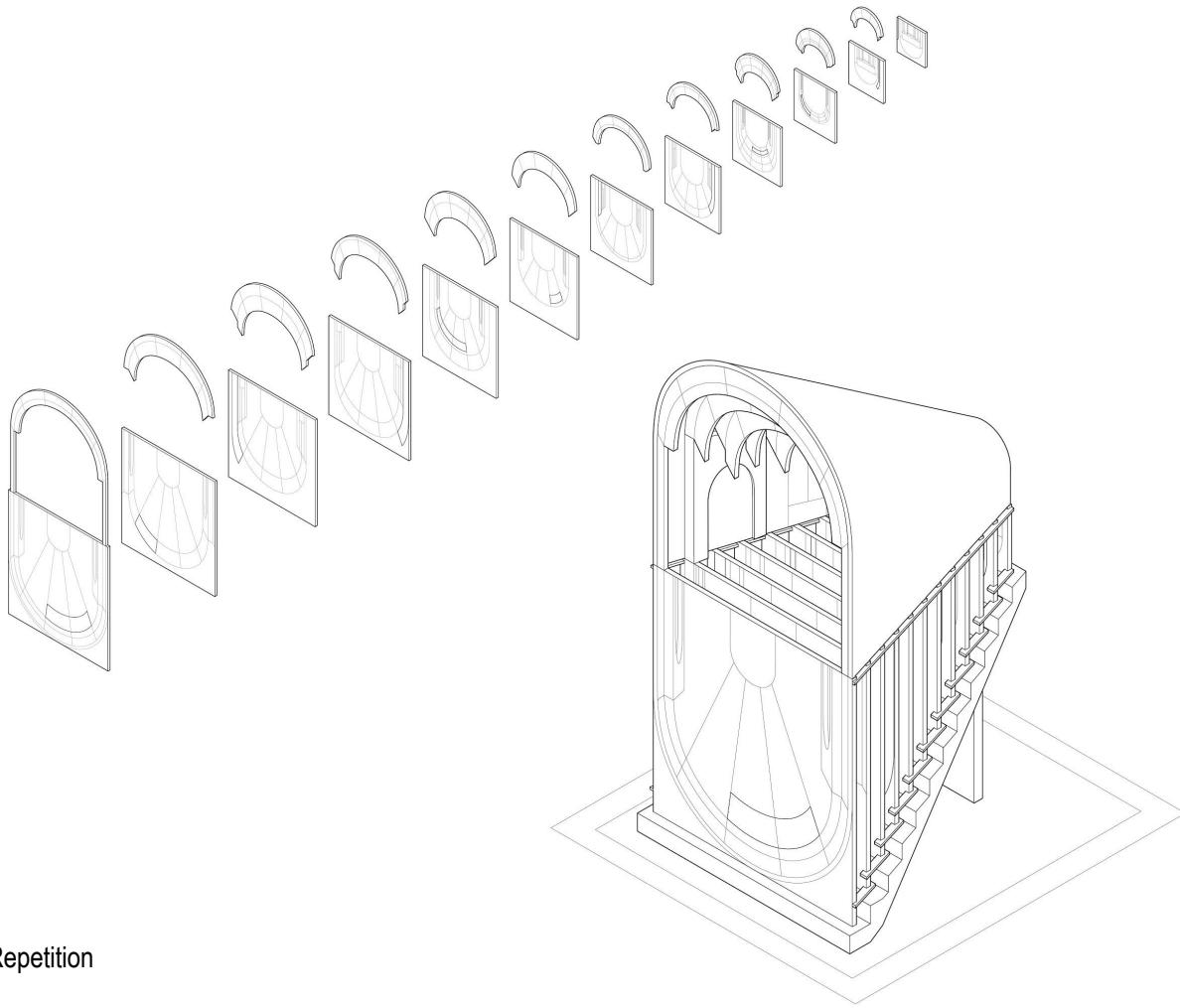
Design Inspiration



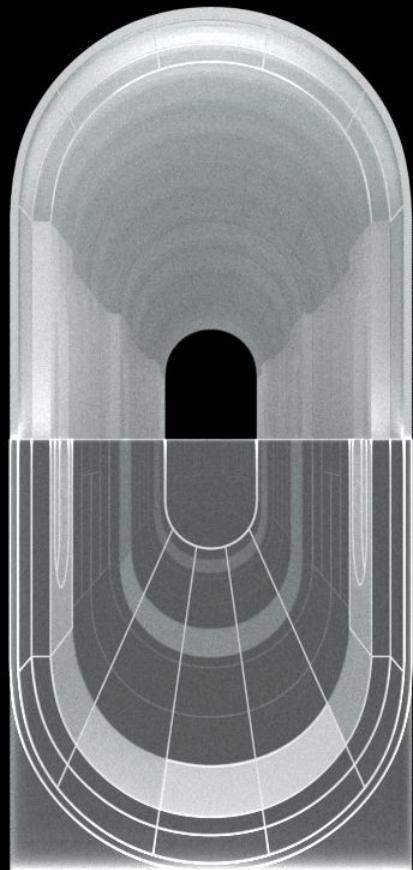
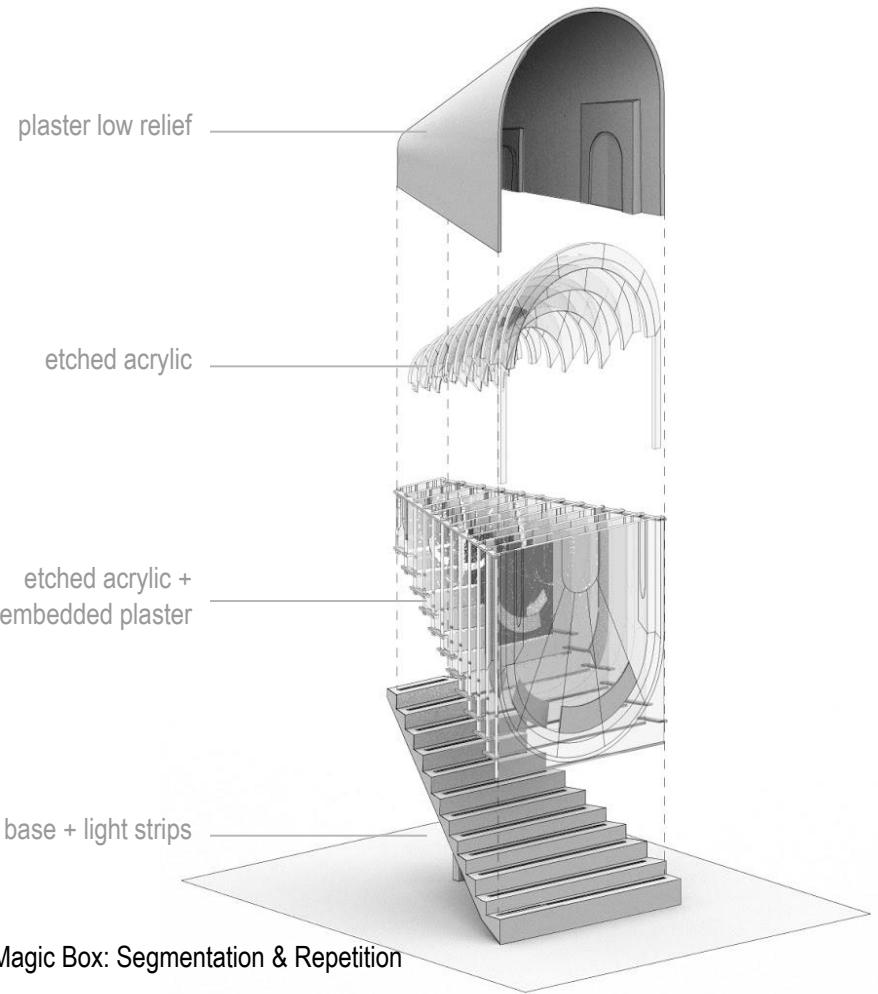
M.C. Escher, Relativity, 1953



Architectural Inspiration



Magic Box: Segmentation & Repetition





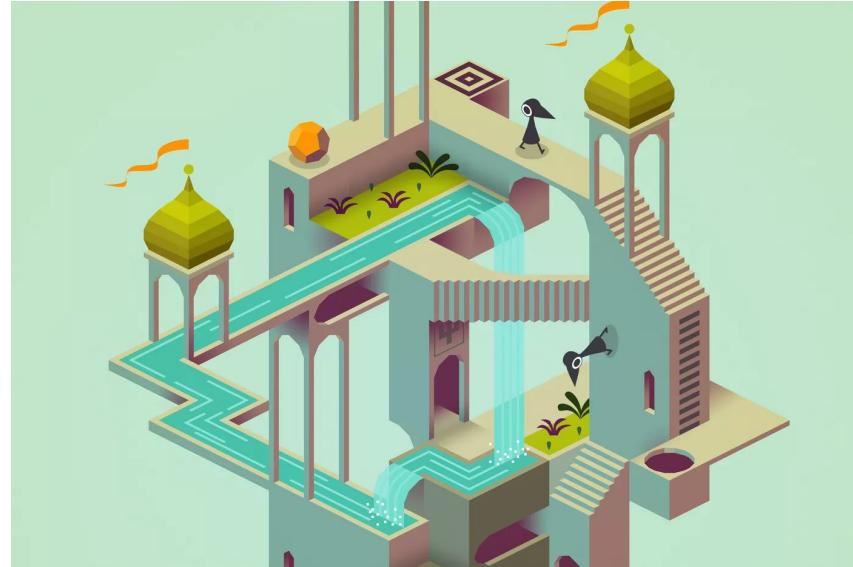
Soane House: Virtual Space





Vertical Houses

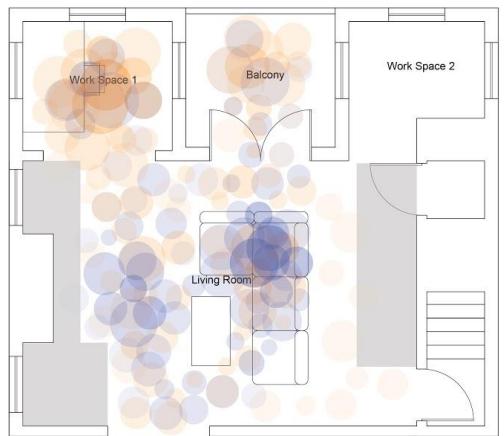




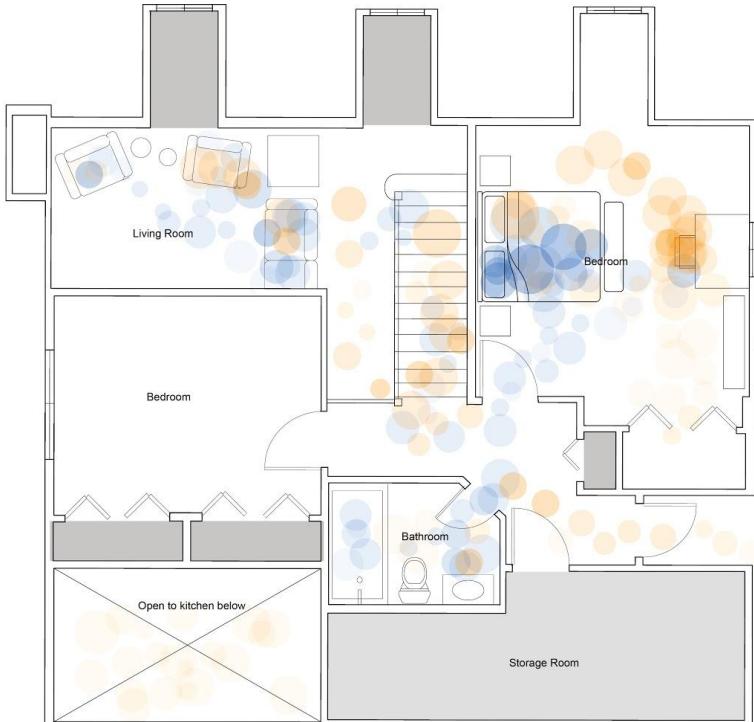
Circulation as a Connector

Initial Schematics

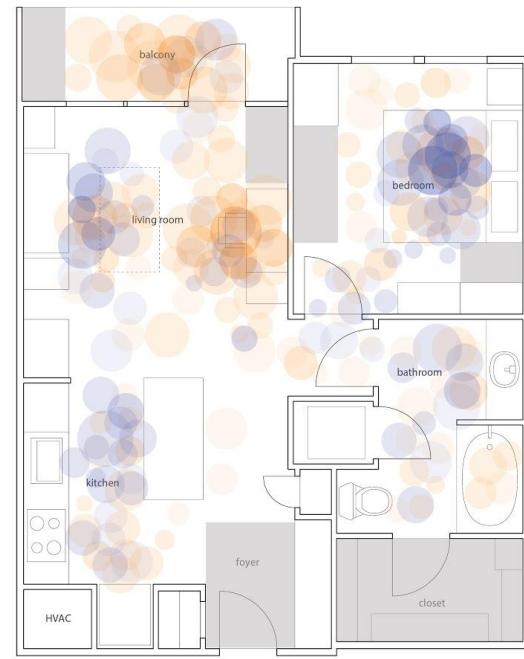
- Daytime Active
- Nighttime Active



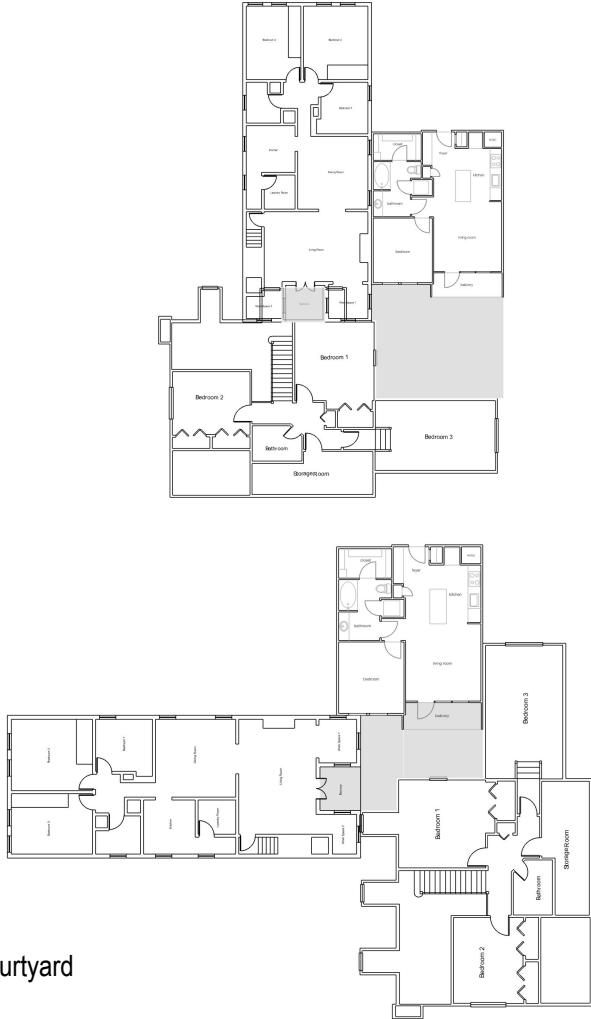
Grace



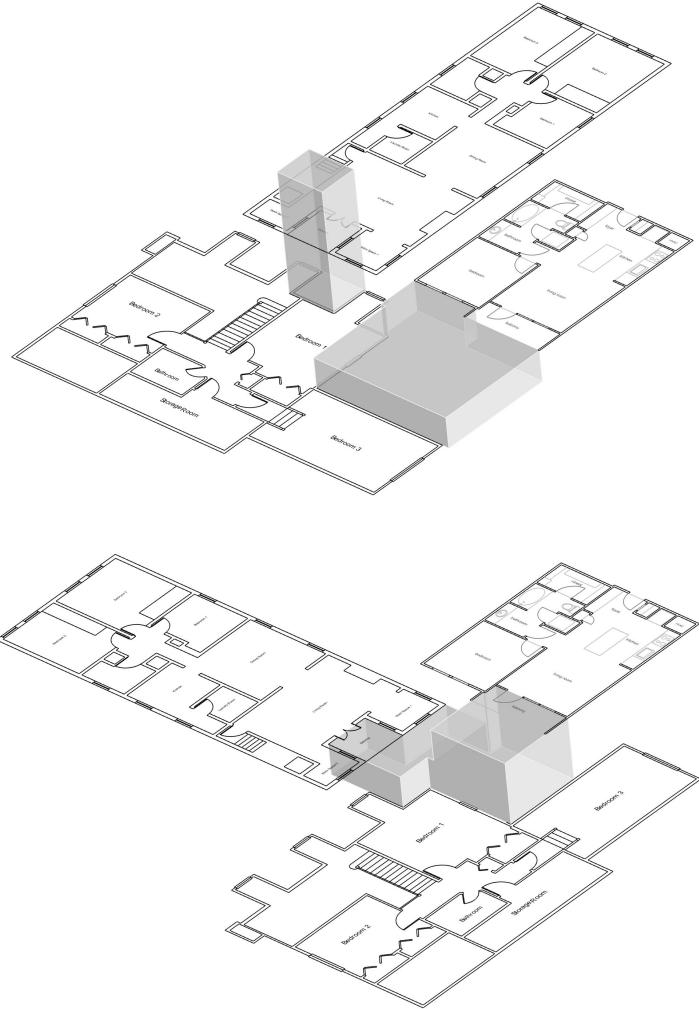
Michael



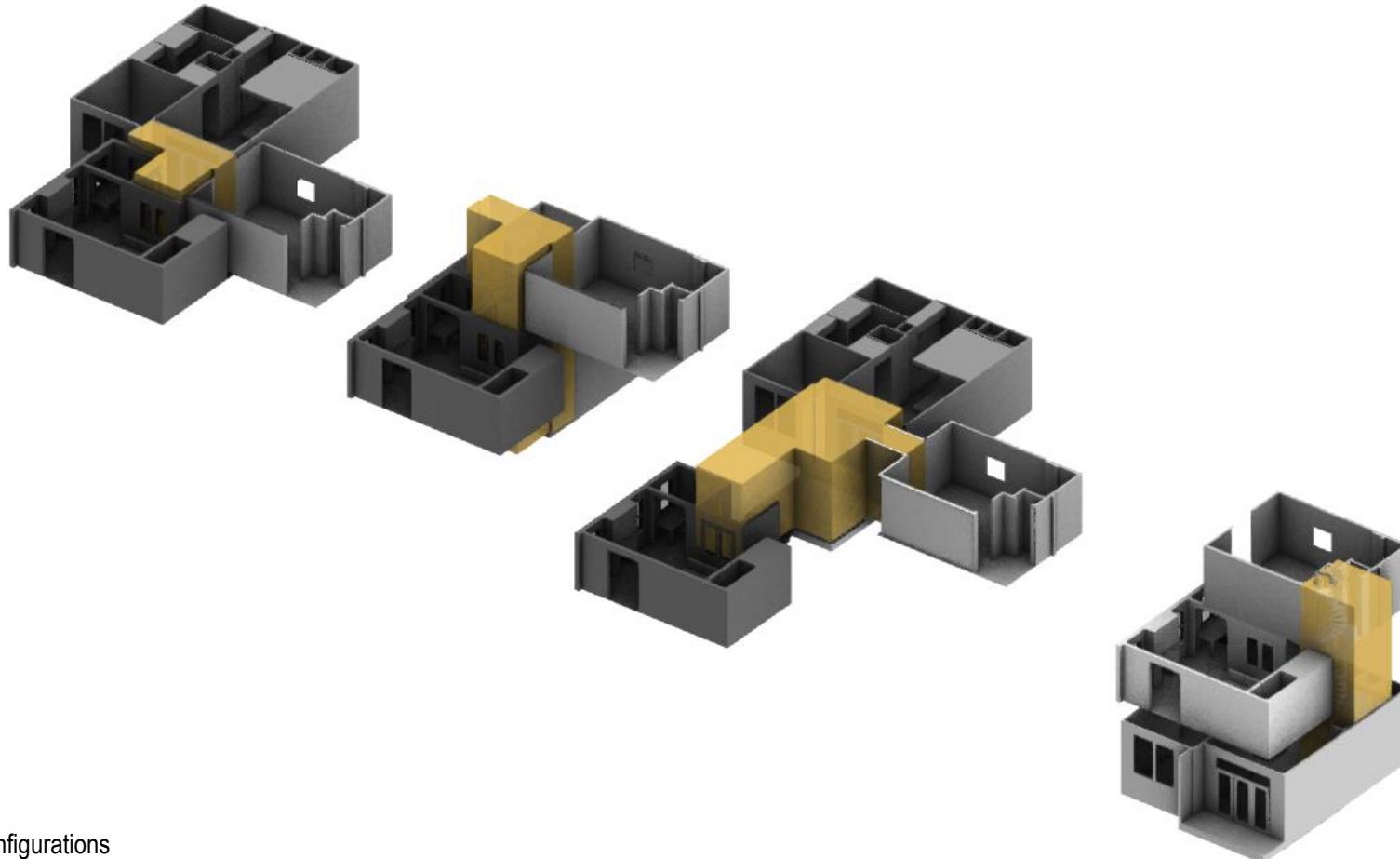
Yugy



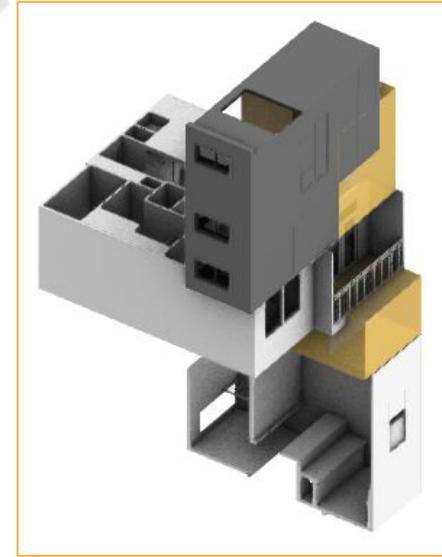
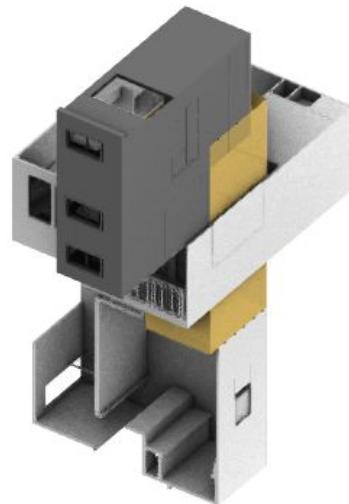
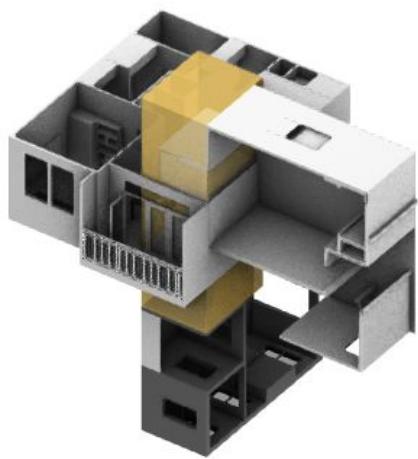
Vertical Stacking + Courtyard



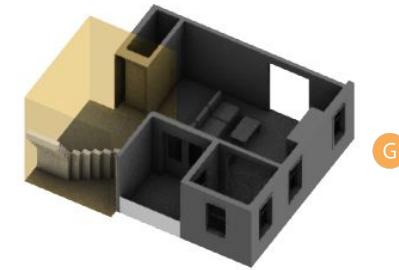
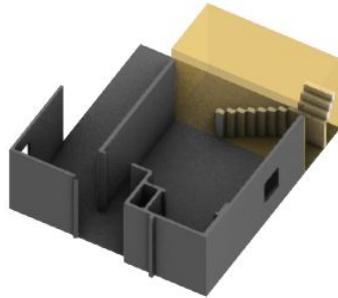
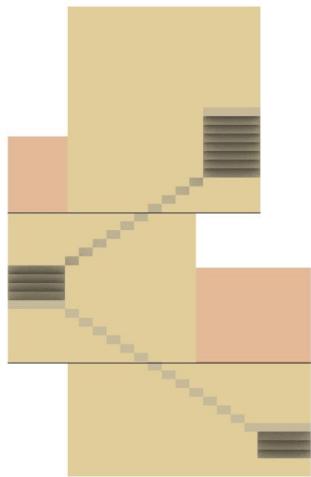
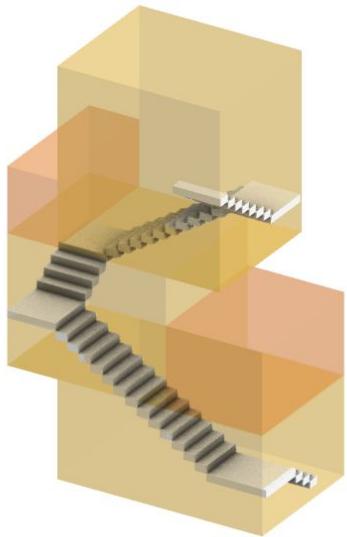
Iteration



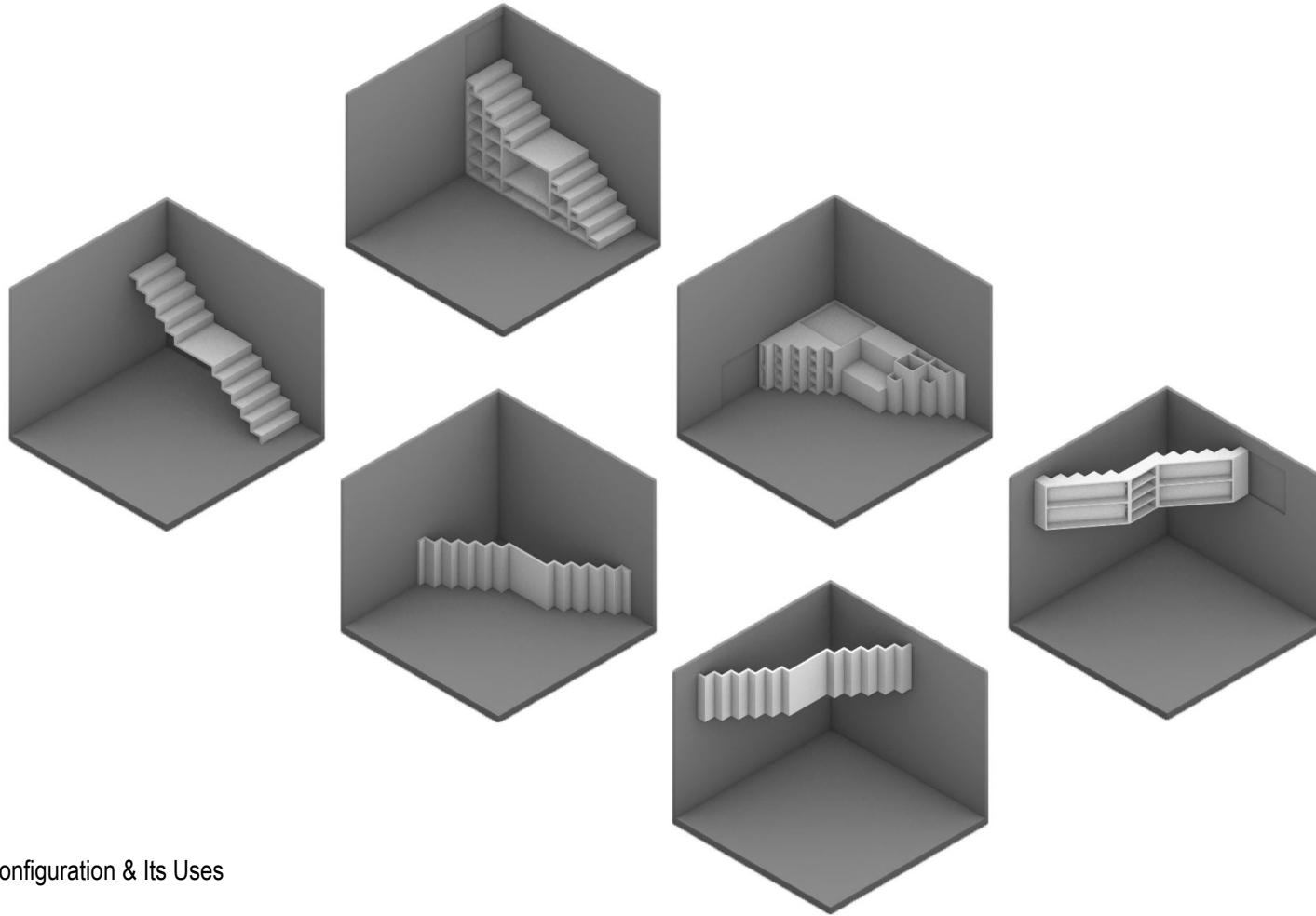
Different Configurations



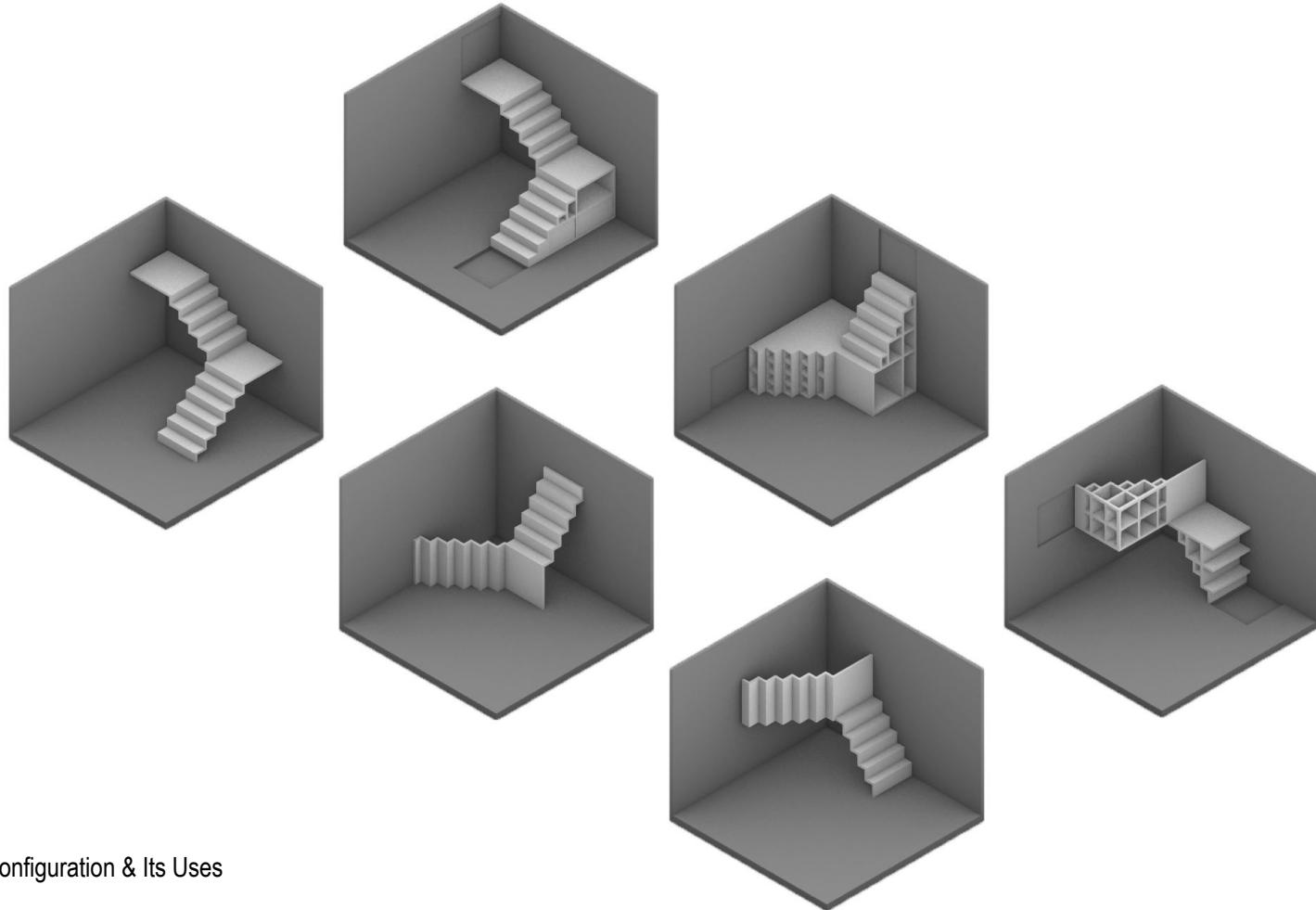
Vertical Configuration with Varying Gravity



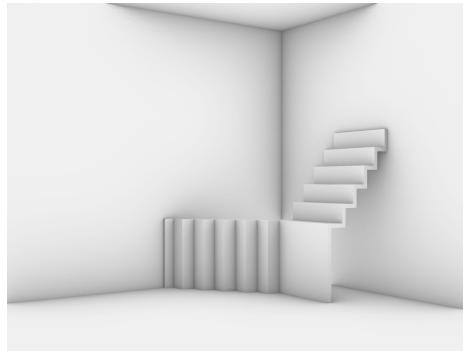
Circulation as a Spatial Connector



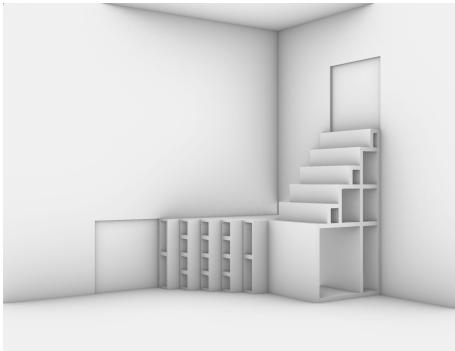
Variation of Stair Configuration & Its Uses



Variation of Stair Configuration & Its Uses



Stair Configuration



Functionality



Physical Space



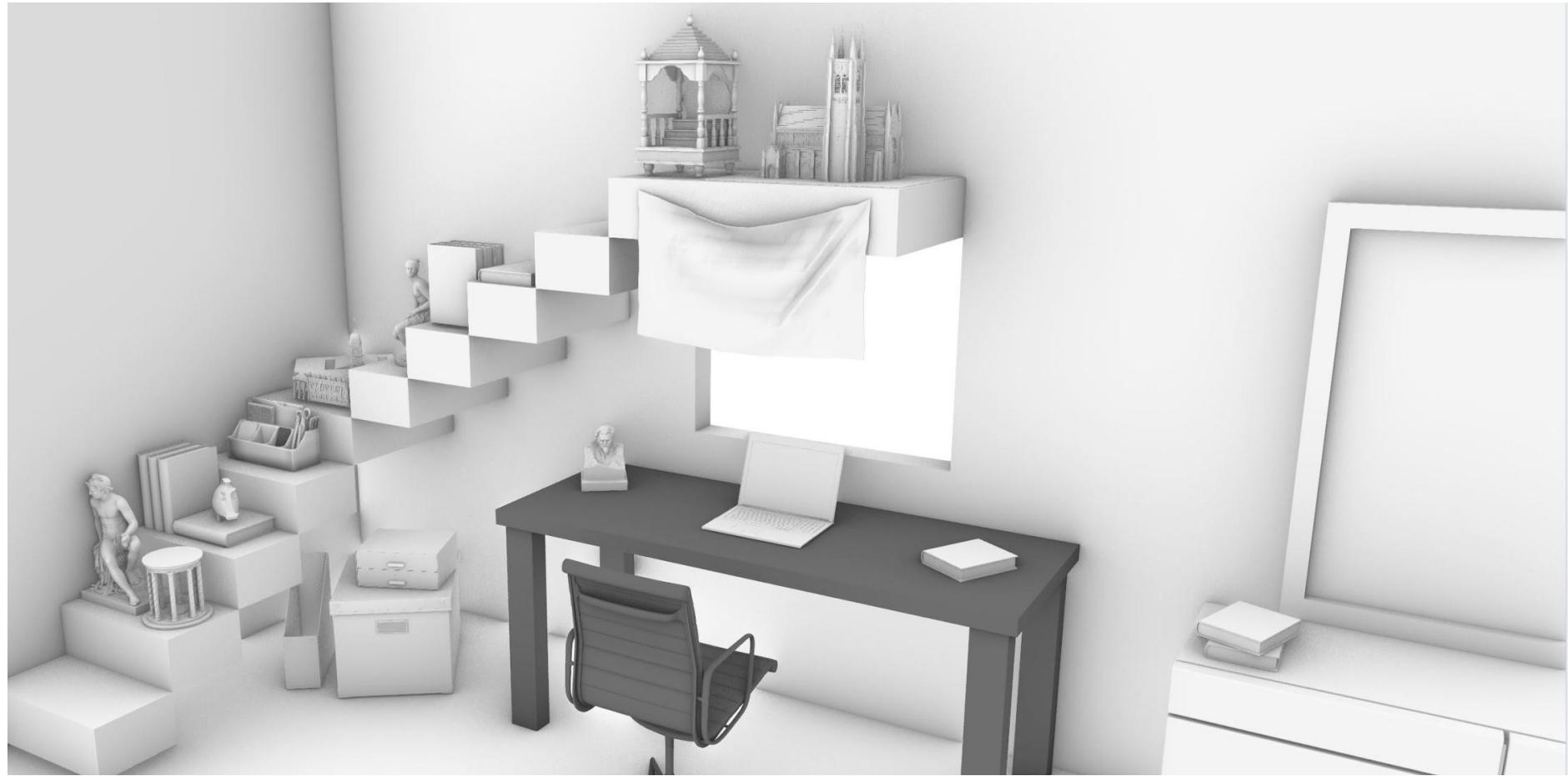
Virtual Connection

Physical + Virtual Connector

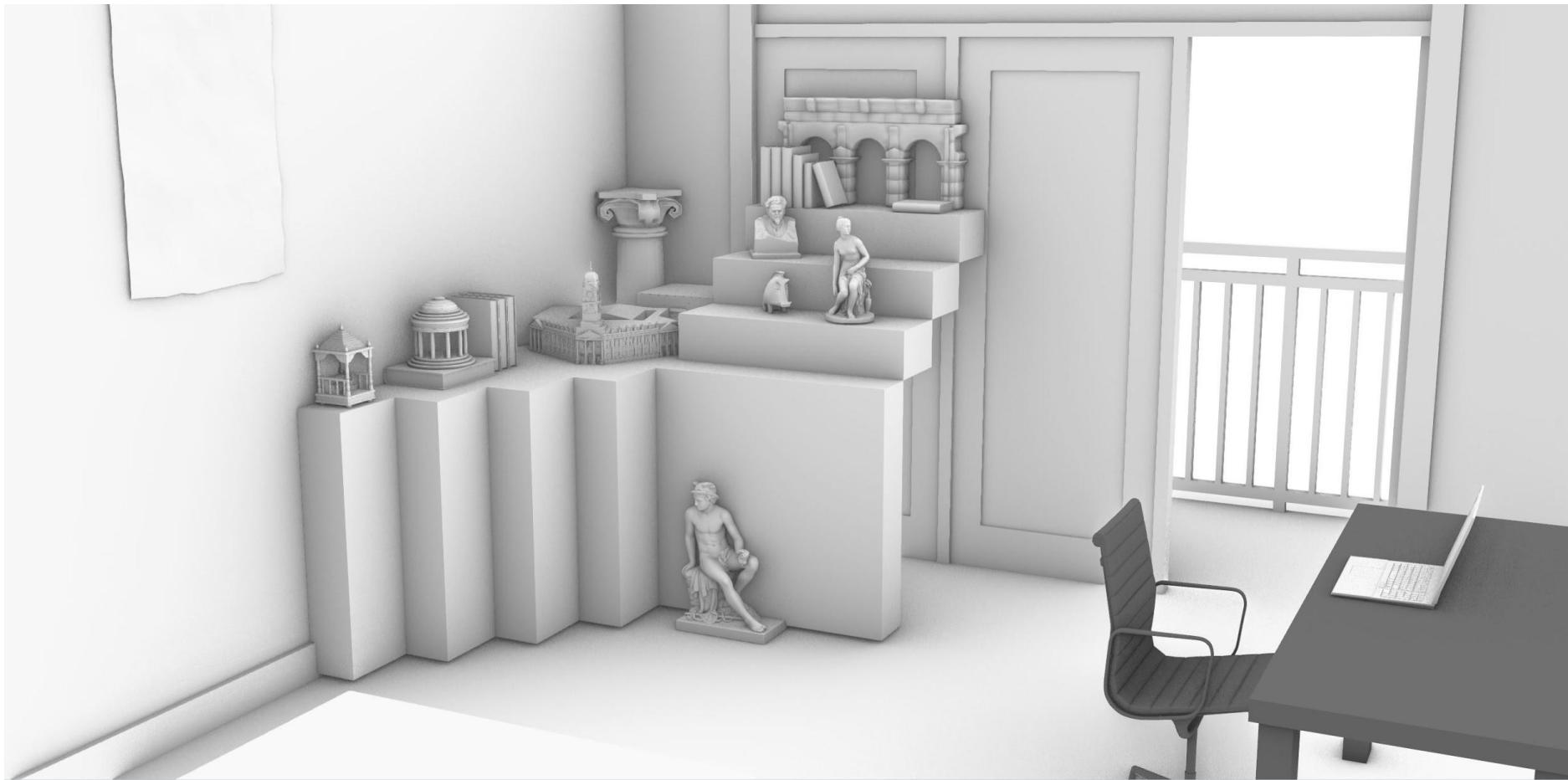
Invision



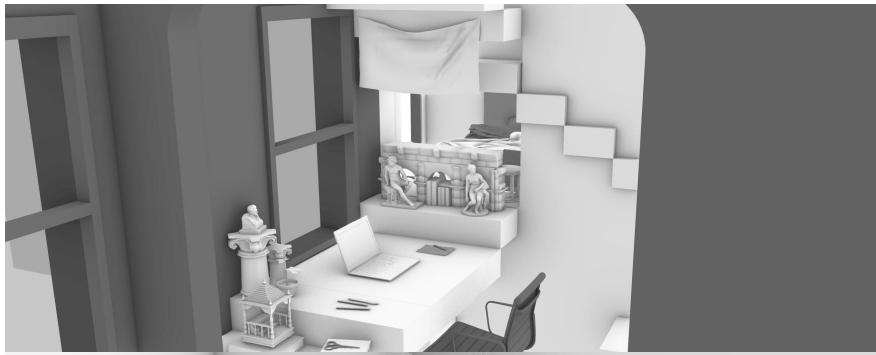
Grace's Unit



Mike's Unit



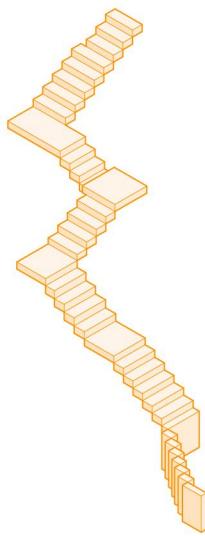
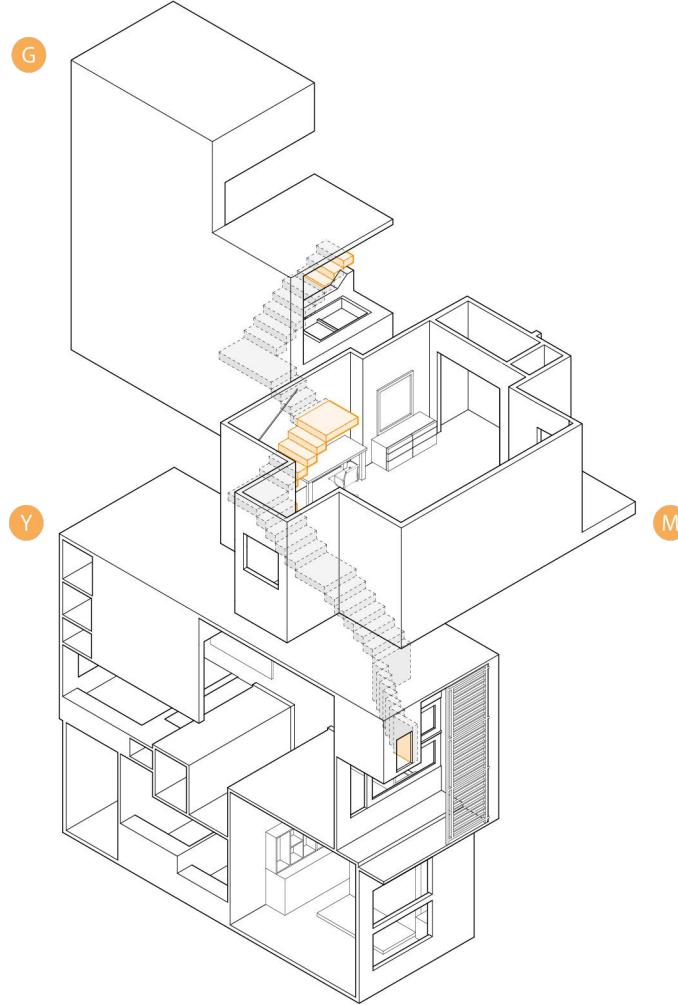
Yugy's Unit



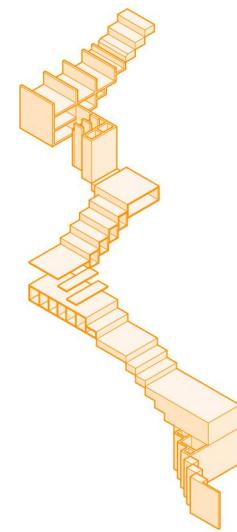
Virtual Look Outs

Final Design

Configuration



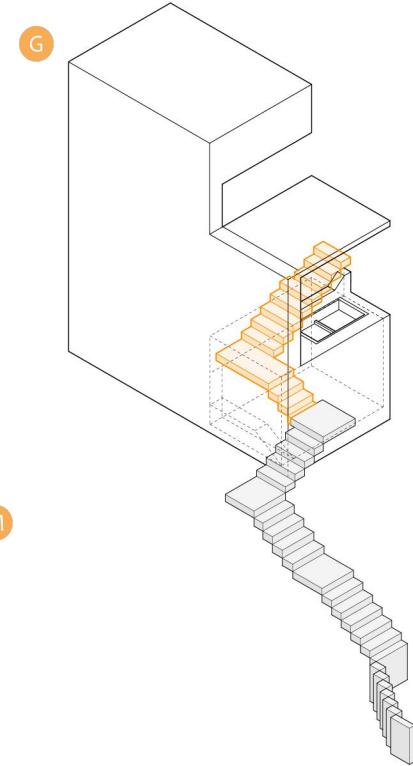
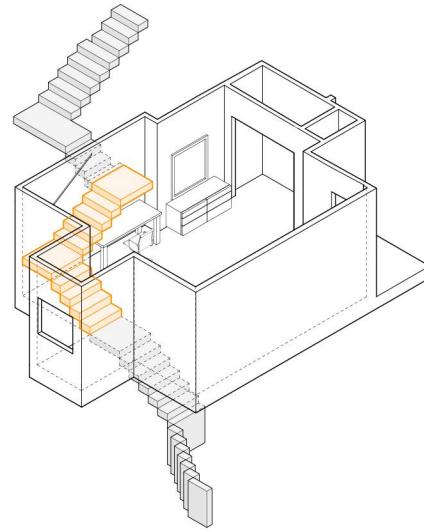
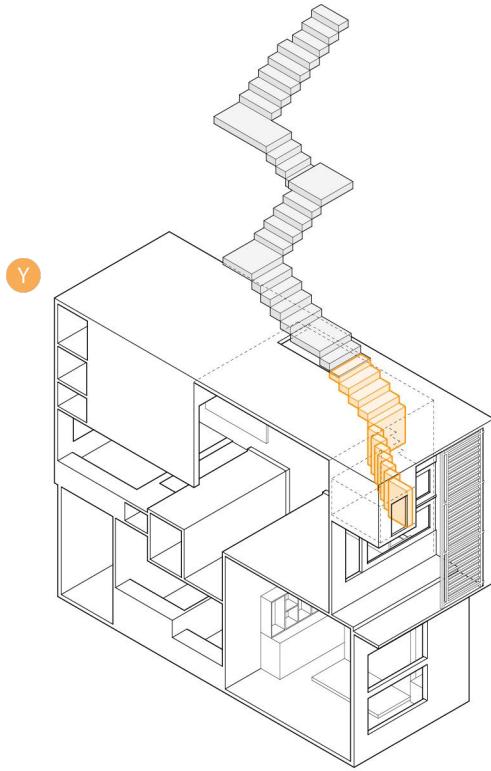
Portal

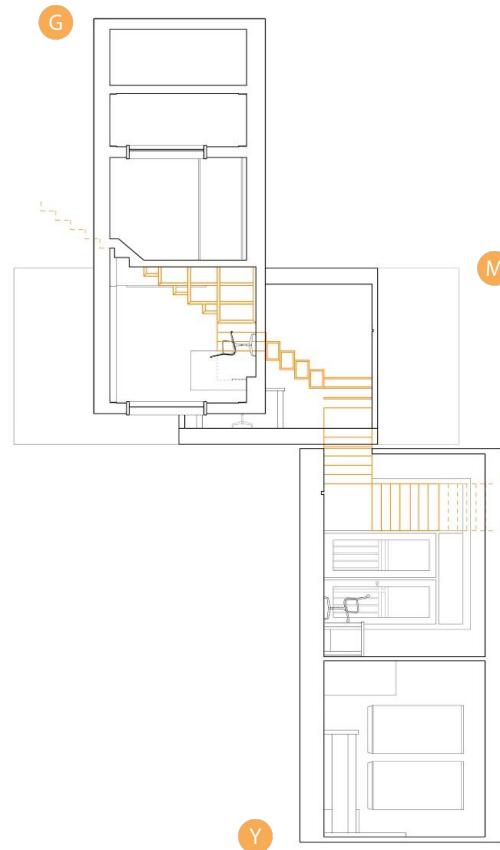
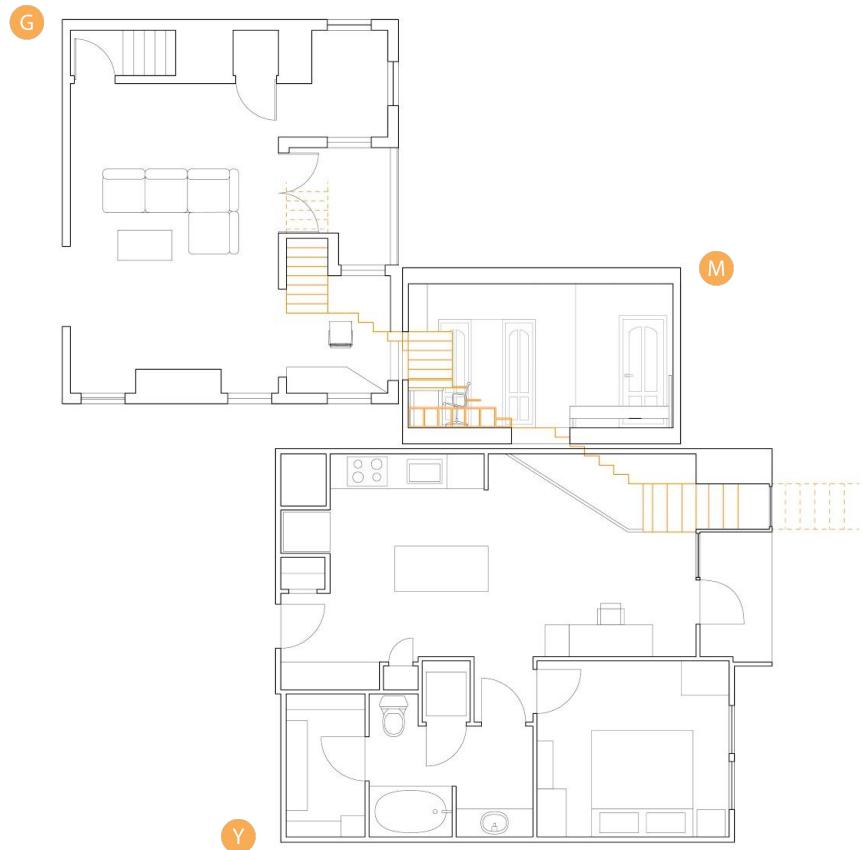


Integration

<https://app.modelo.io/share-token/wDDh01Vm3r>

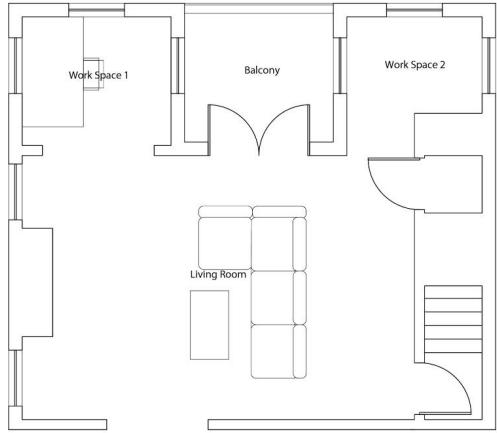
Components



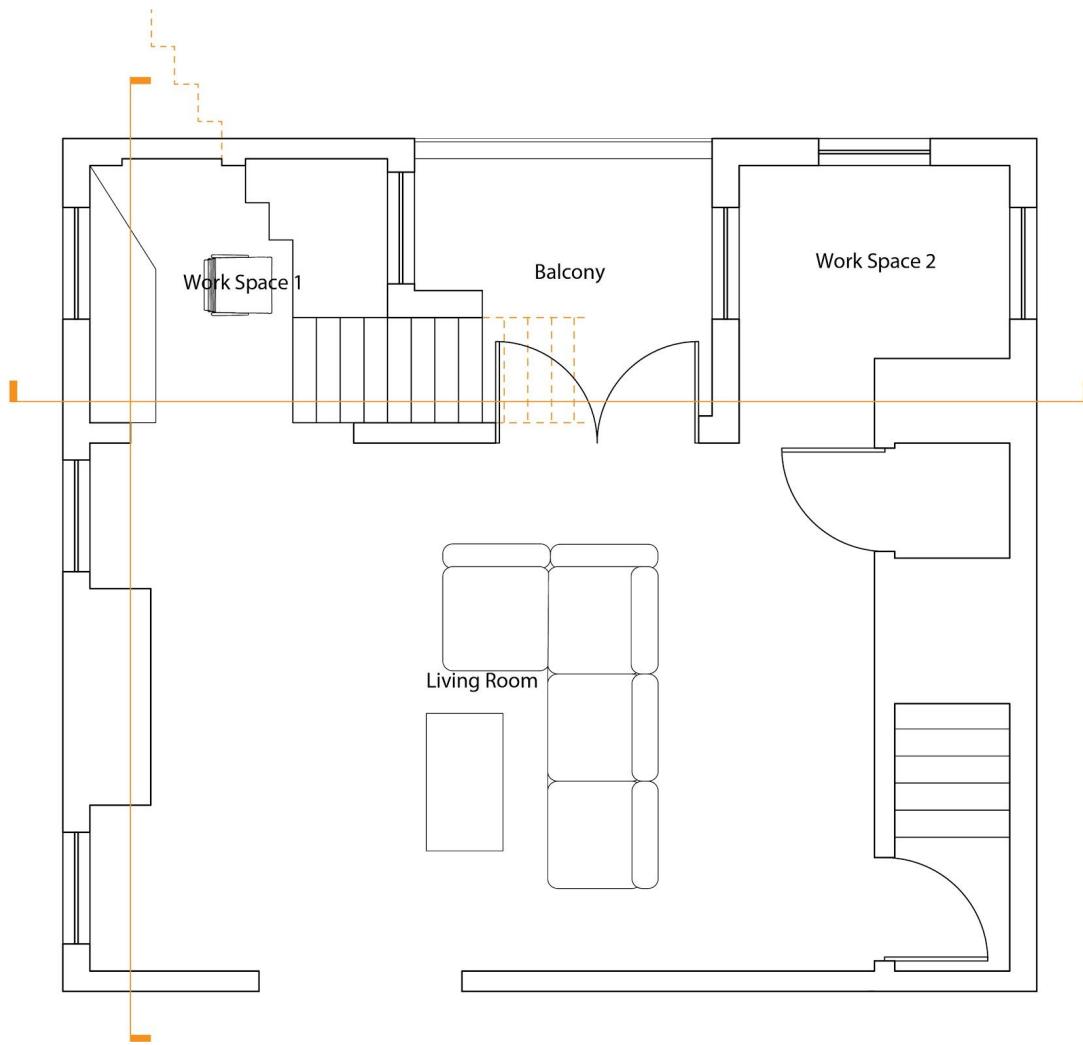


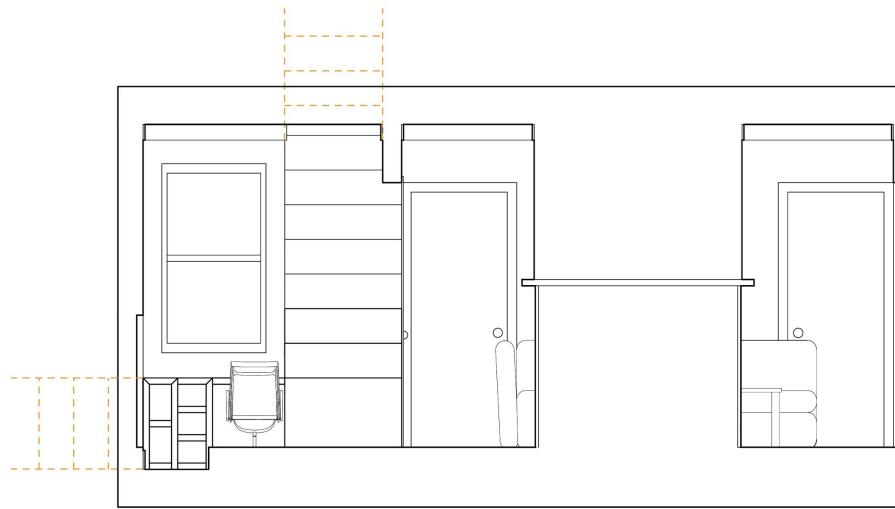
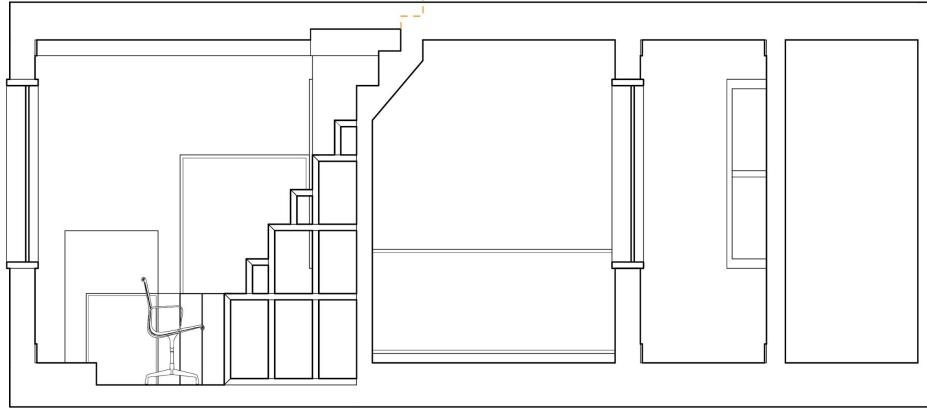
Virtual Plan: Connection

Individual Units



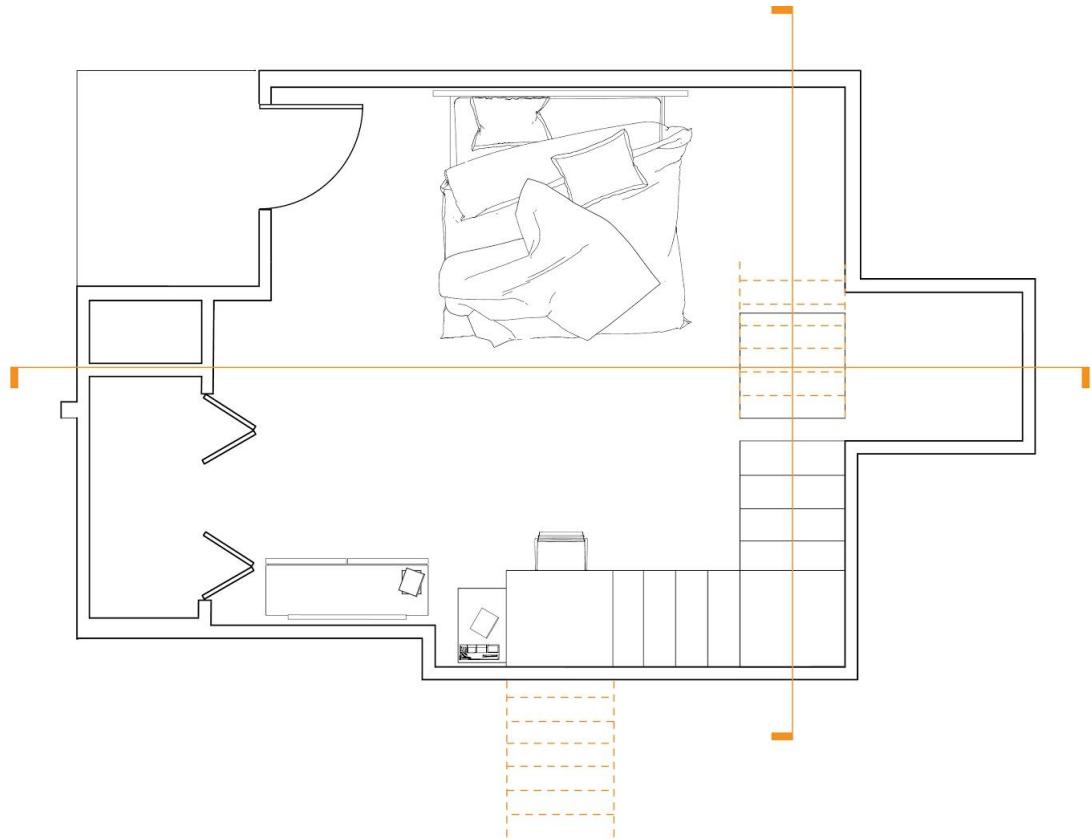
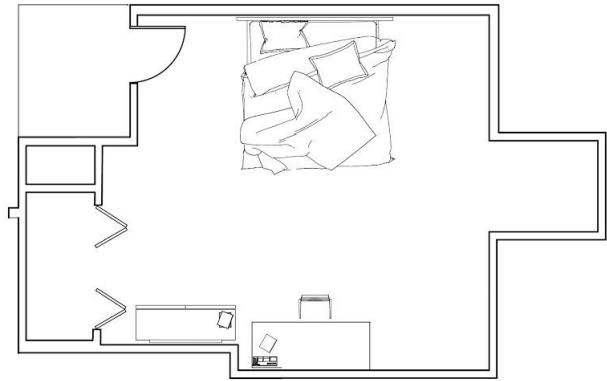
Plan: Grace



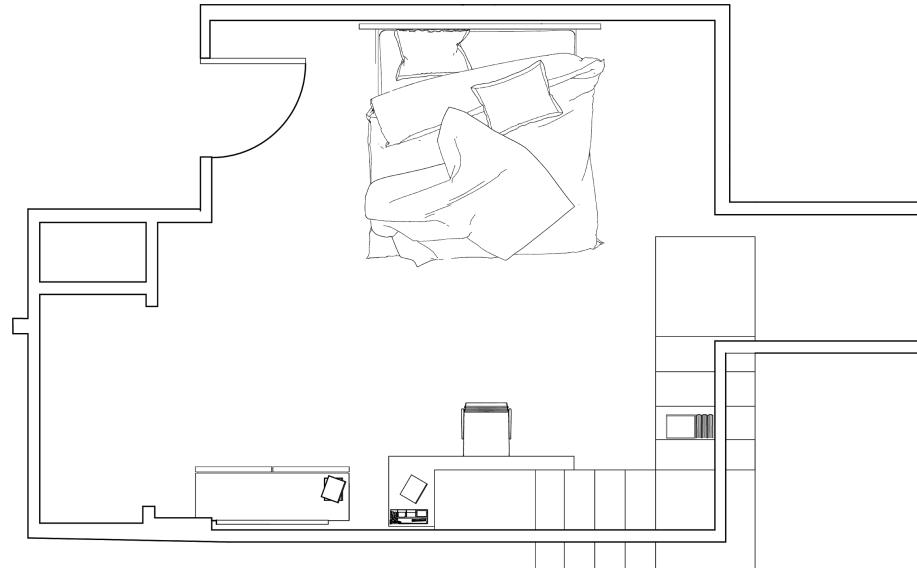
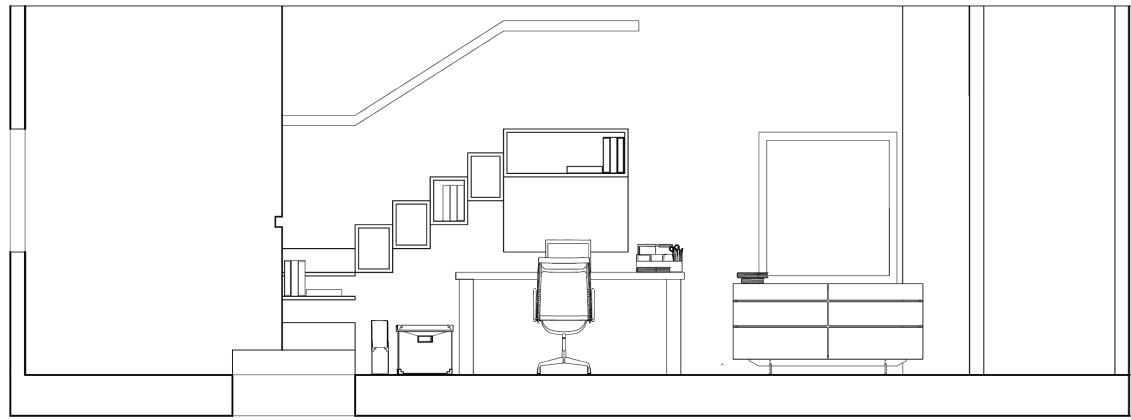


Sections: Grace



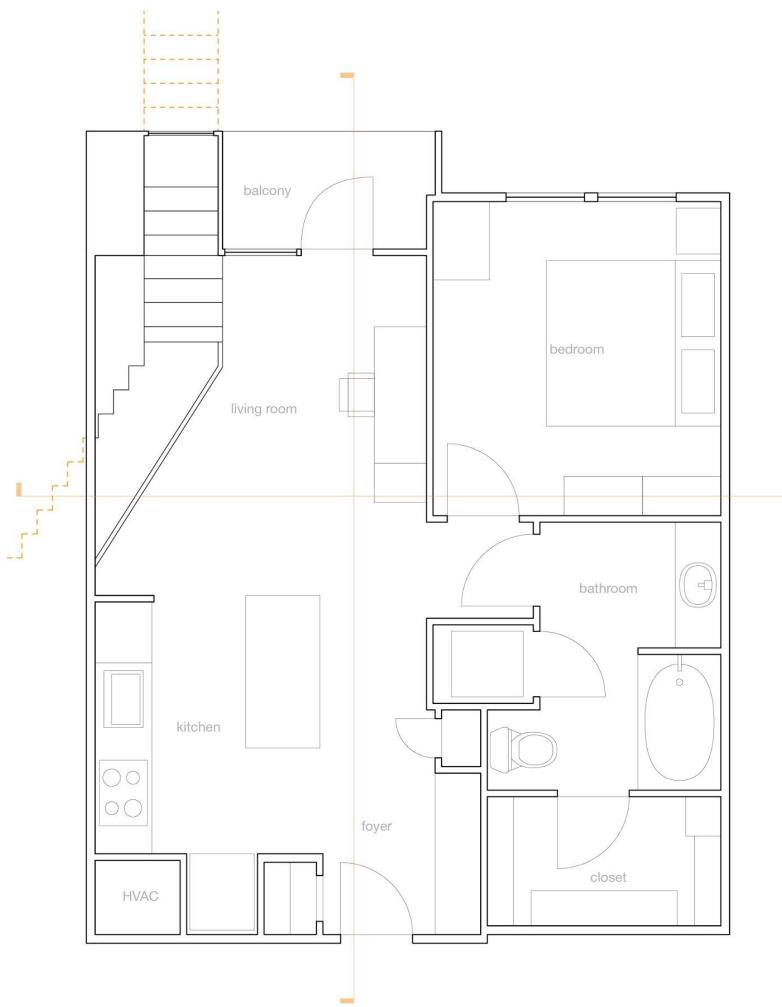
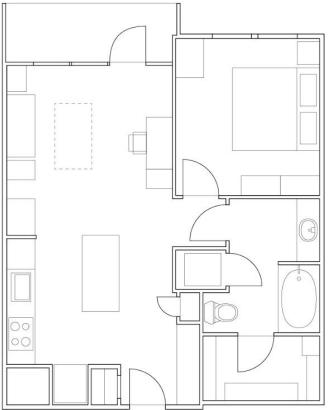


Plan: Mike



Sections: Mike

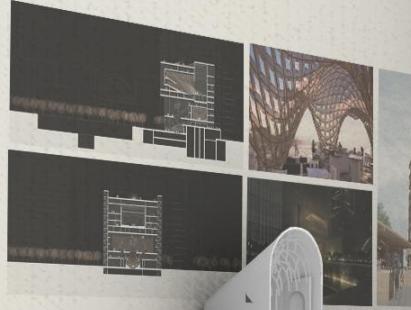




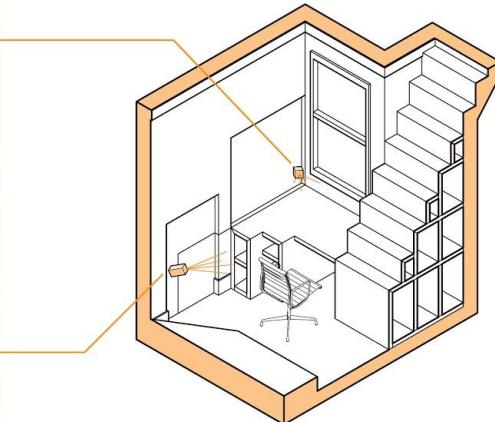
Plan: Yugy



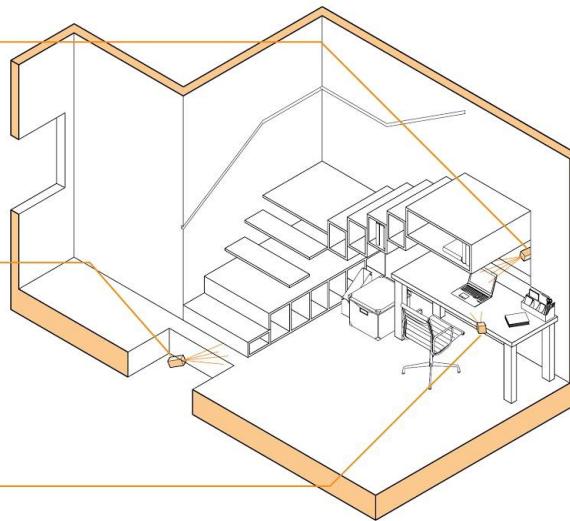
Sections: Yugy



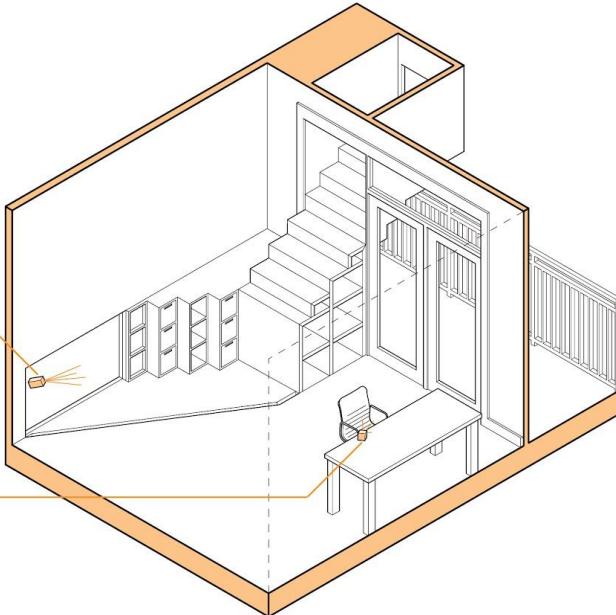
Virtual Connection



Virtual Views - Grace



Virtual Views - Mike



Virtual Views - Yugy

Interface



Michael's to Yugi's

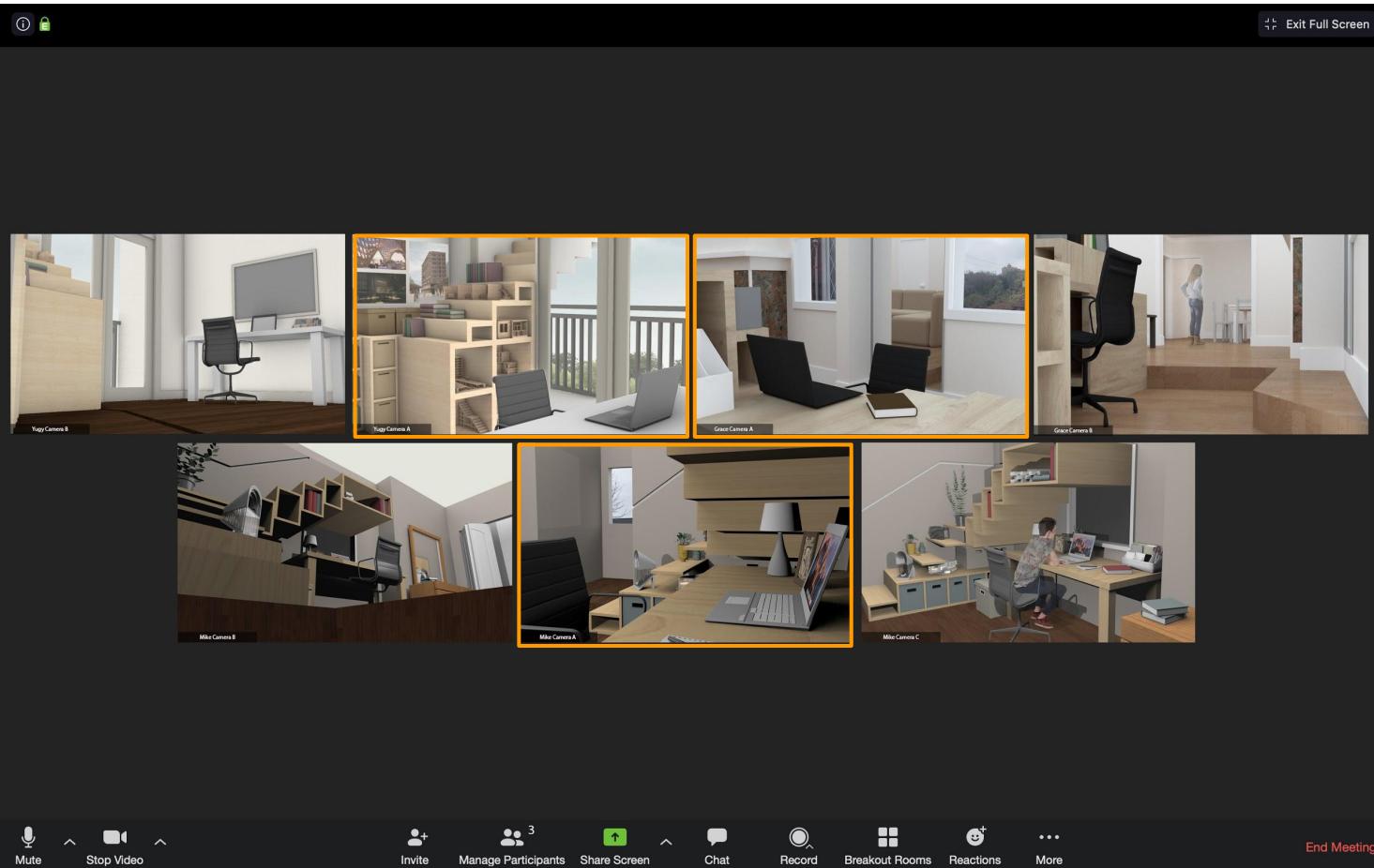


Michael's to Grace's



Grace's to Michael's

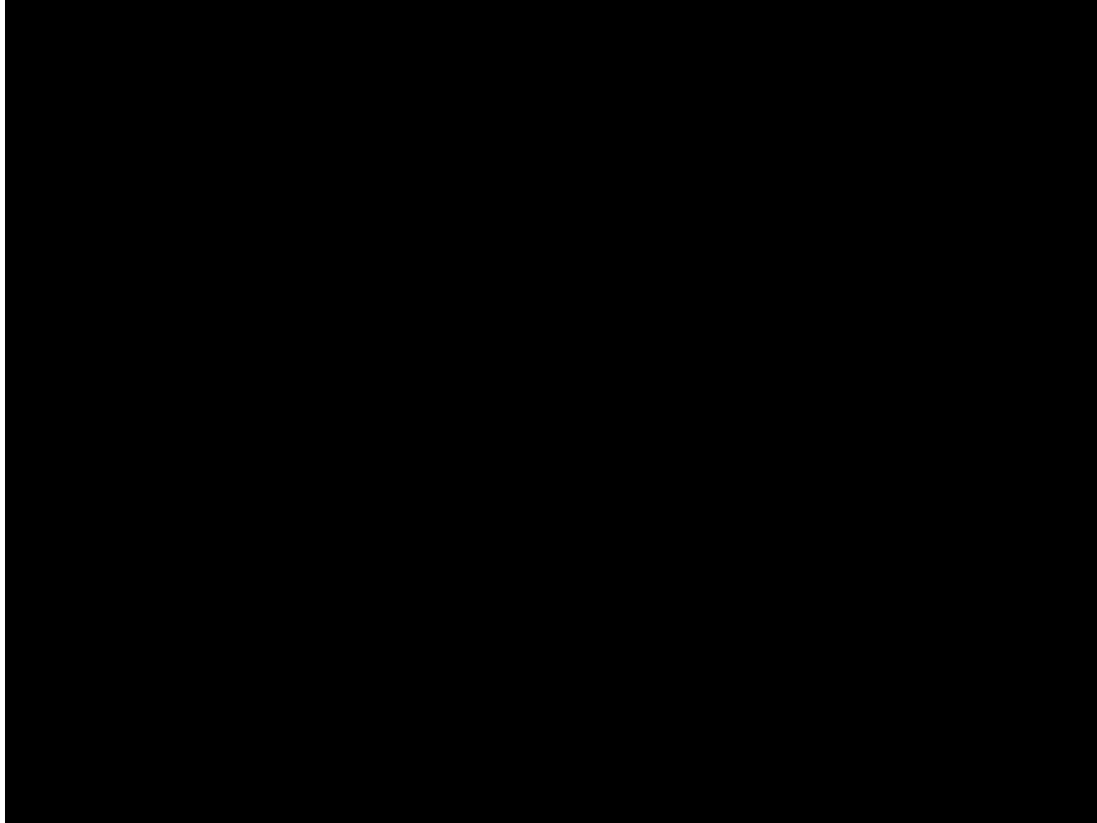
Interface: AR



Interface: Zoom



Interface: Interactive Screen



Travel through Stairs