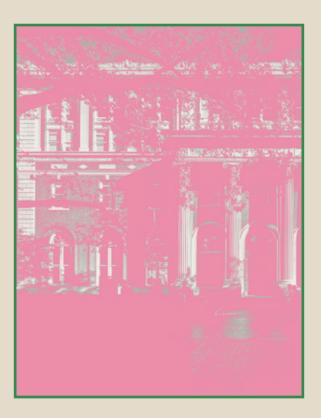
COLUMBIA 21/2GSAPF aad



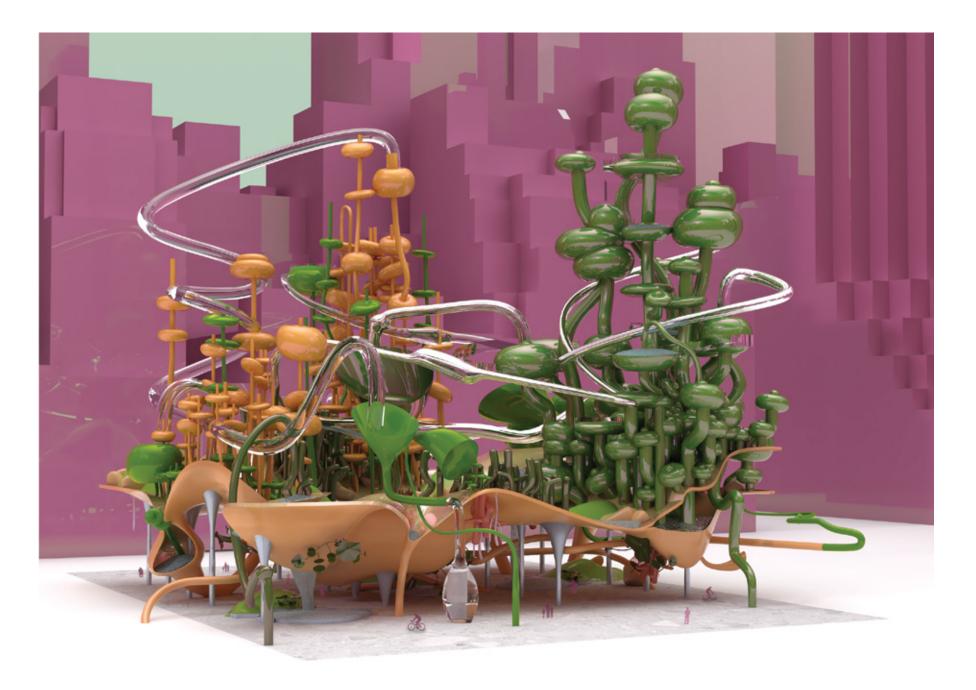




The Wetland Residency
The Choreography of Care
Mushrooms at Avery
Techniques of the UltraReal
Relax GSAPP

COLUMBIA 21/2GSAPF aad



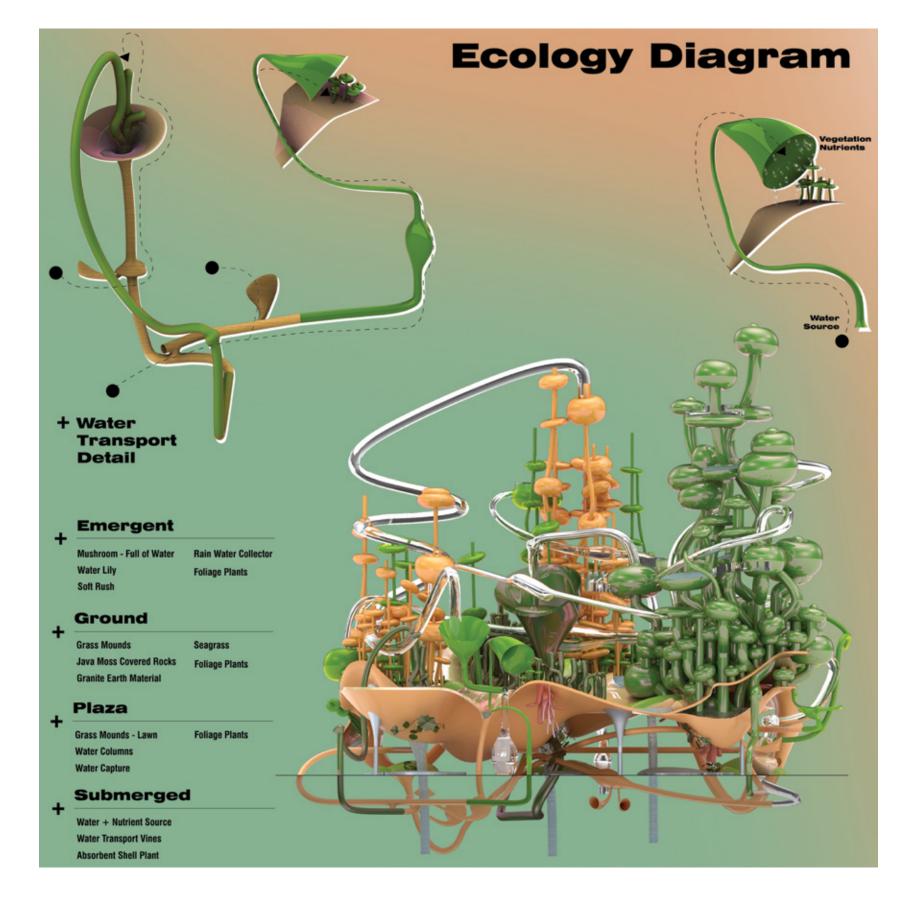


The Wetland Residency a wild vegetated public park, offers residencies and an open one from the main park level to the residencies. The mushroom structures also act as public plaza. As one enters the site they are greeted with a large open plaza that offers areas of rest as well as the opportunity to interact with the legs and structure of the site. The legs present four main points of entry to the main level. One travels from the street level plaza to the park level by a pneumatic capsule, sucking one throughout the site. Once at the main vegetation level, visitors are encouraged to weave in and out of the large-scale plant species and becoming completely immersed in nature. One can vegetation without being entangled in it. Some of the vegetation are artificial to cater to the structure and service spaces of the site. Multiple points in the park can transport

short term stay rooms for visitors. Transportation tubes wrap through vegetation and allow one to travel quickly from one side of the site to the next. For visitors wanting to freely explore they can walk on the main level park. A more controlled experience is presented for the elevated walkways. The site thrives on the relationship between above and below ground. The water or nutrients is swallowed by absorbent vines below ground level, which then is transported upward and feeds the ground vegetation. Some also rest in the open lawn mounds which present guests the opportunity to view the of the large scale mushrooms hold water and nutrients that feed the vegetation that grows on top of it. If a mushroom is not being used for public space, it is full of water feeding the secondary vegetation.



//WETLAND RESIDENCY //WETLAND RESIDENCY 01. 02.

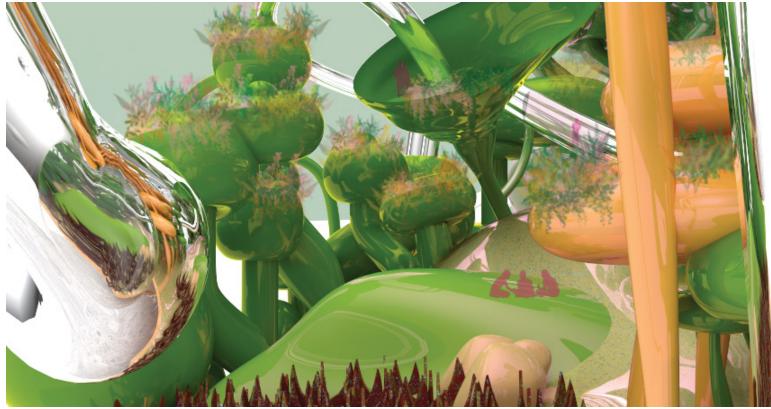










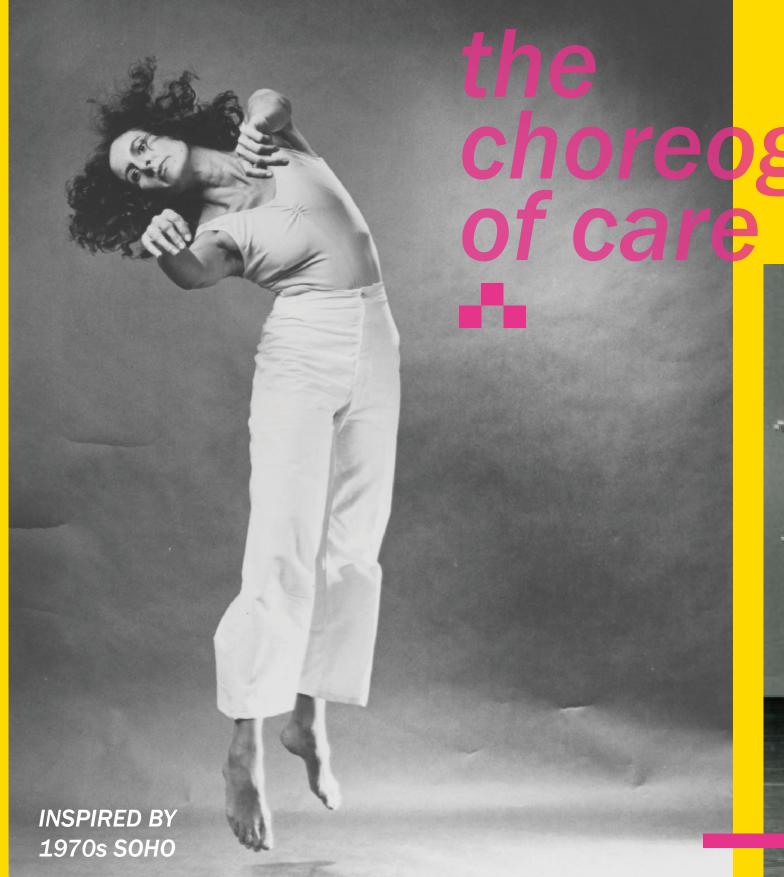








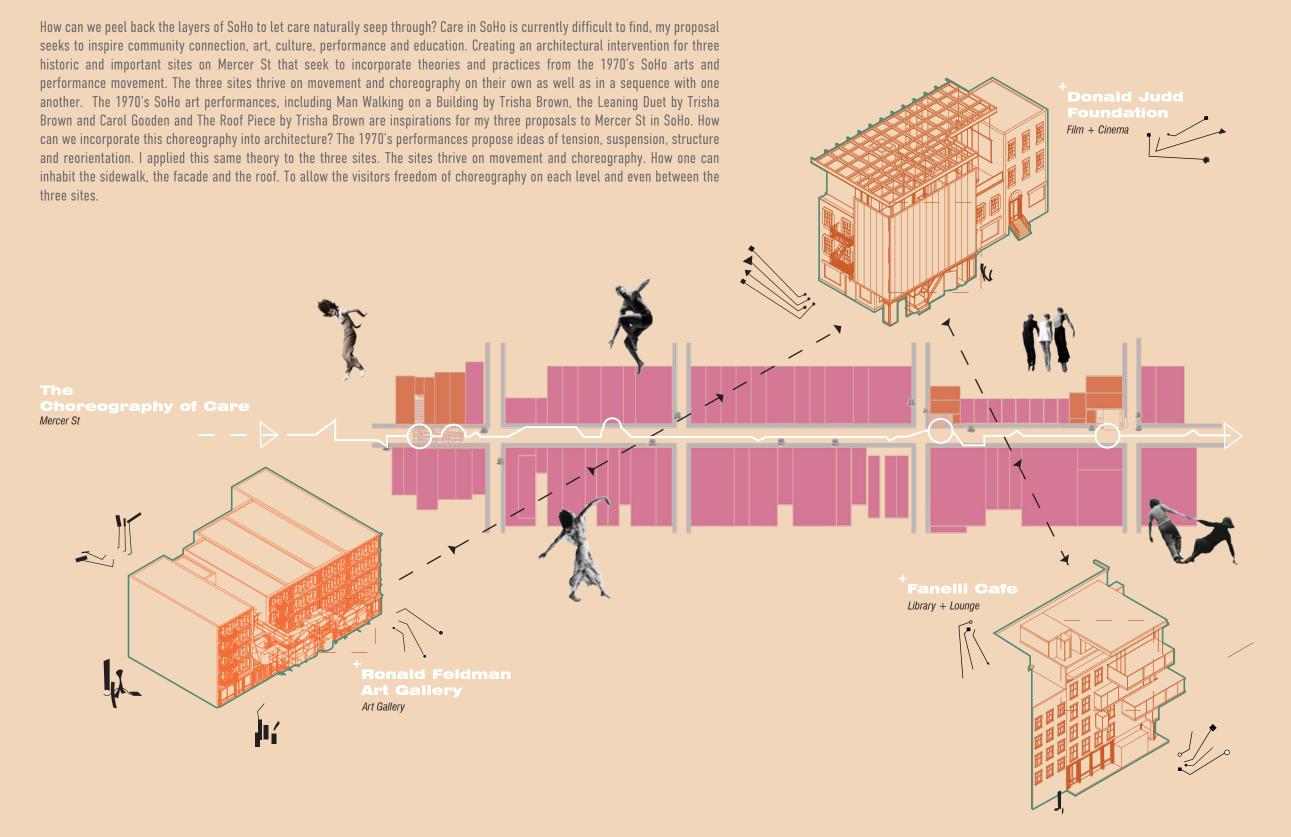
choreography of care



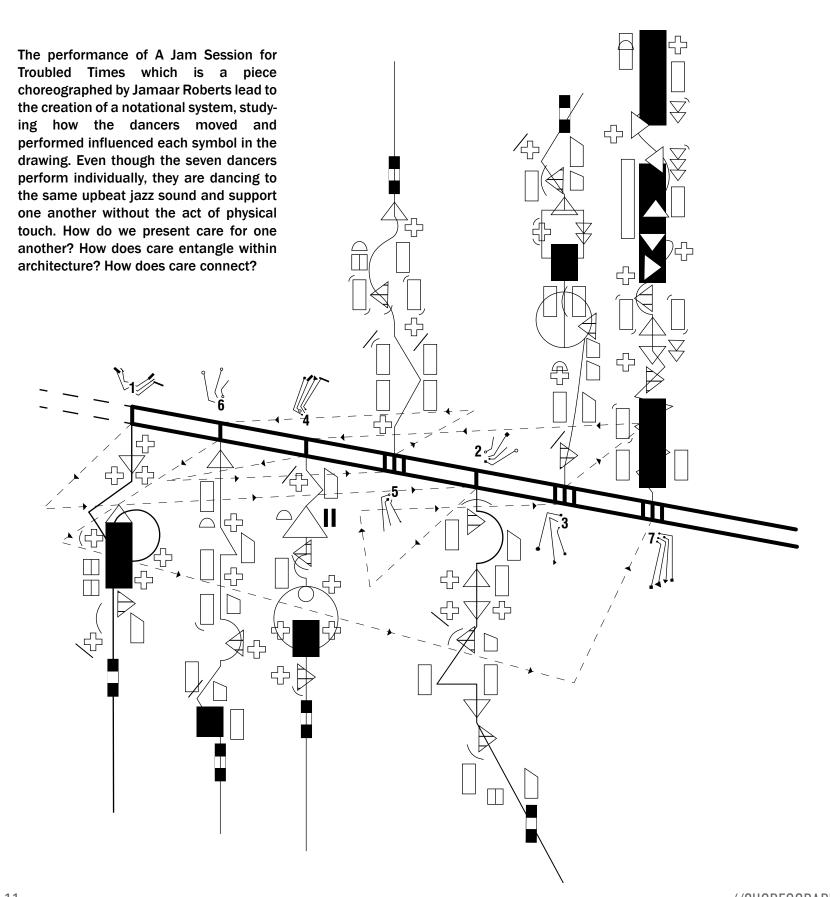


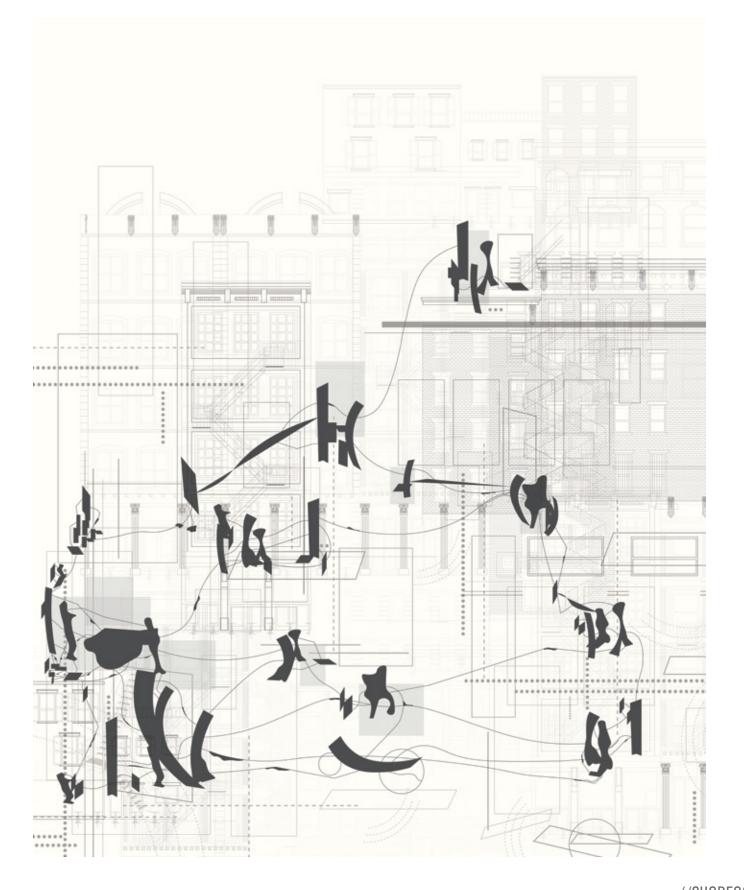


how can we juxtapose the elite, exclusive retail culture of current SoHo with the choreography of care?



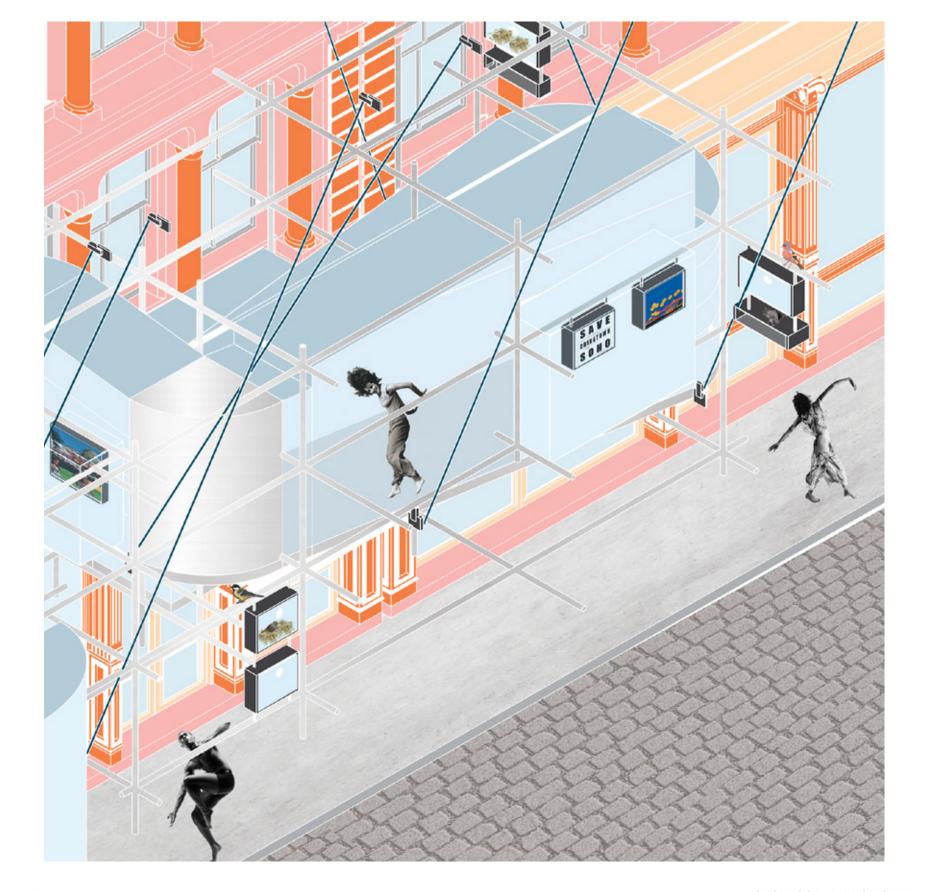
09. //CHOREOGRAPHY OF CARE 10. //CHOREOGRAPHY OF CARE

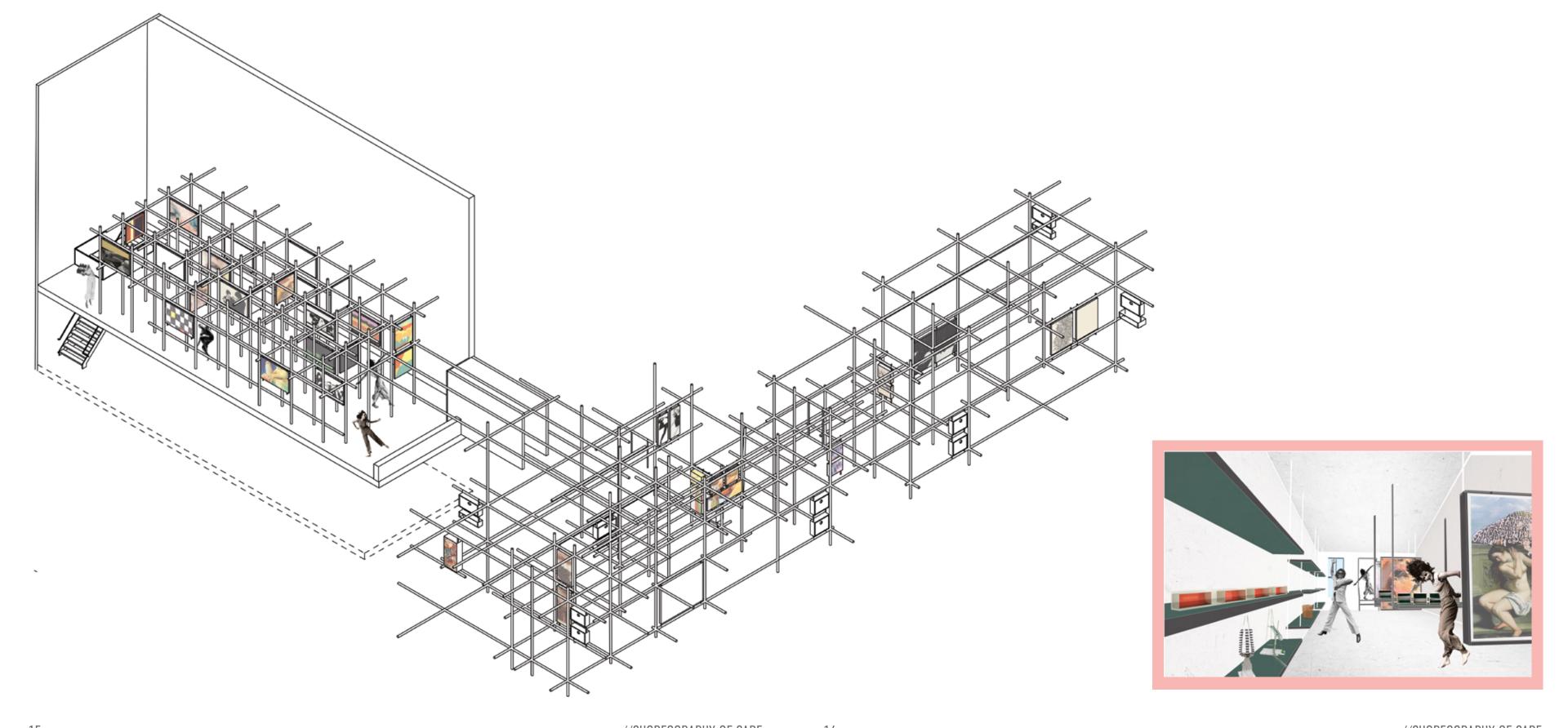


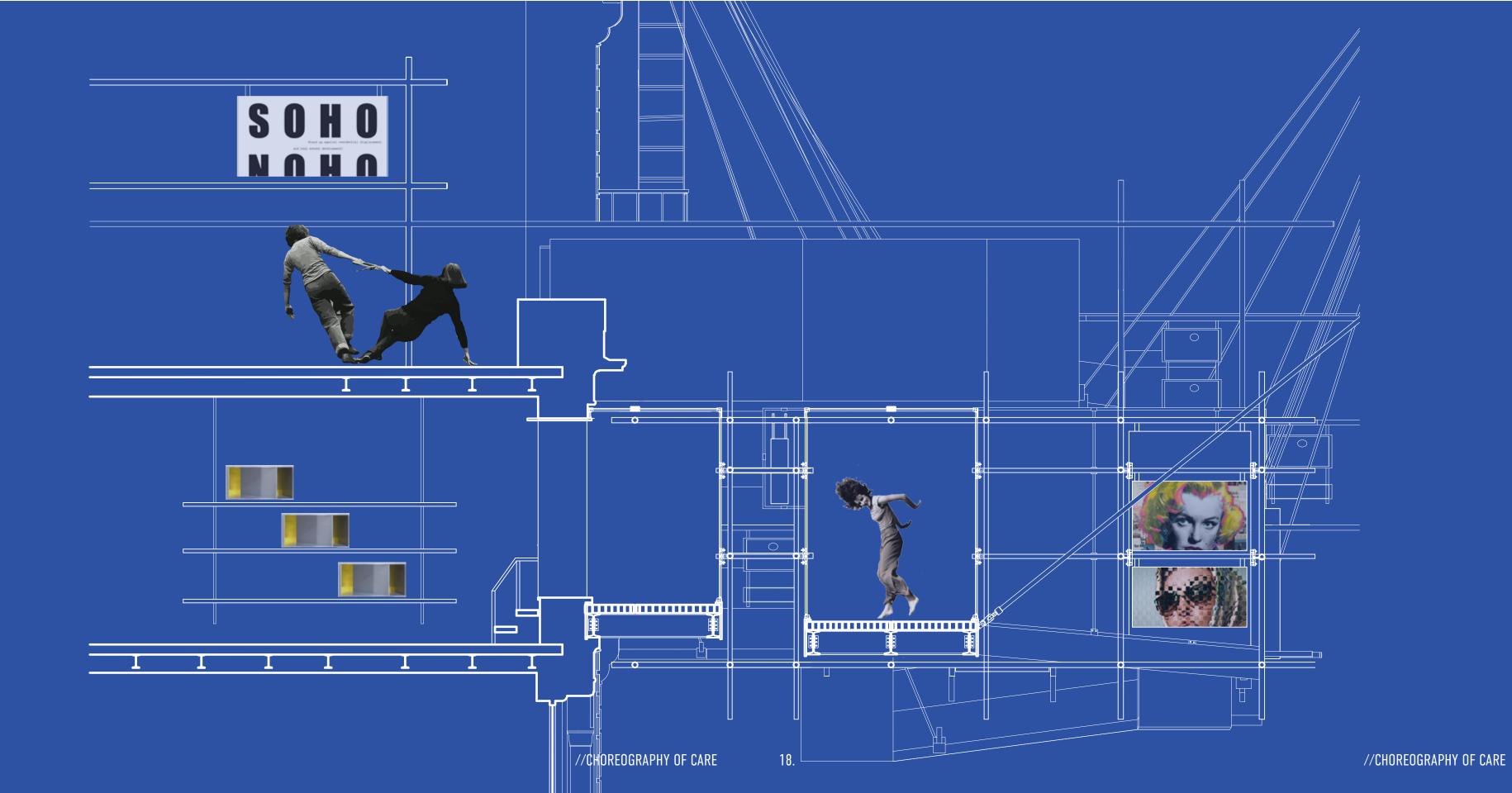


11. //CHOREOGRAPHY OF CARE 12. //CHOREOGRAPHY OF CARE









17.







19. //CHOREOGRAPHY OF CARE 20. //CHOREOGRAPHY OF CARE

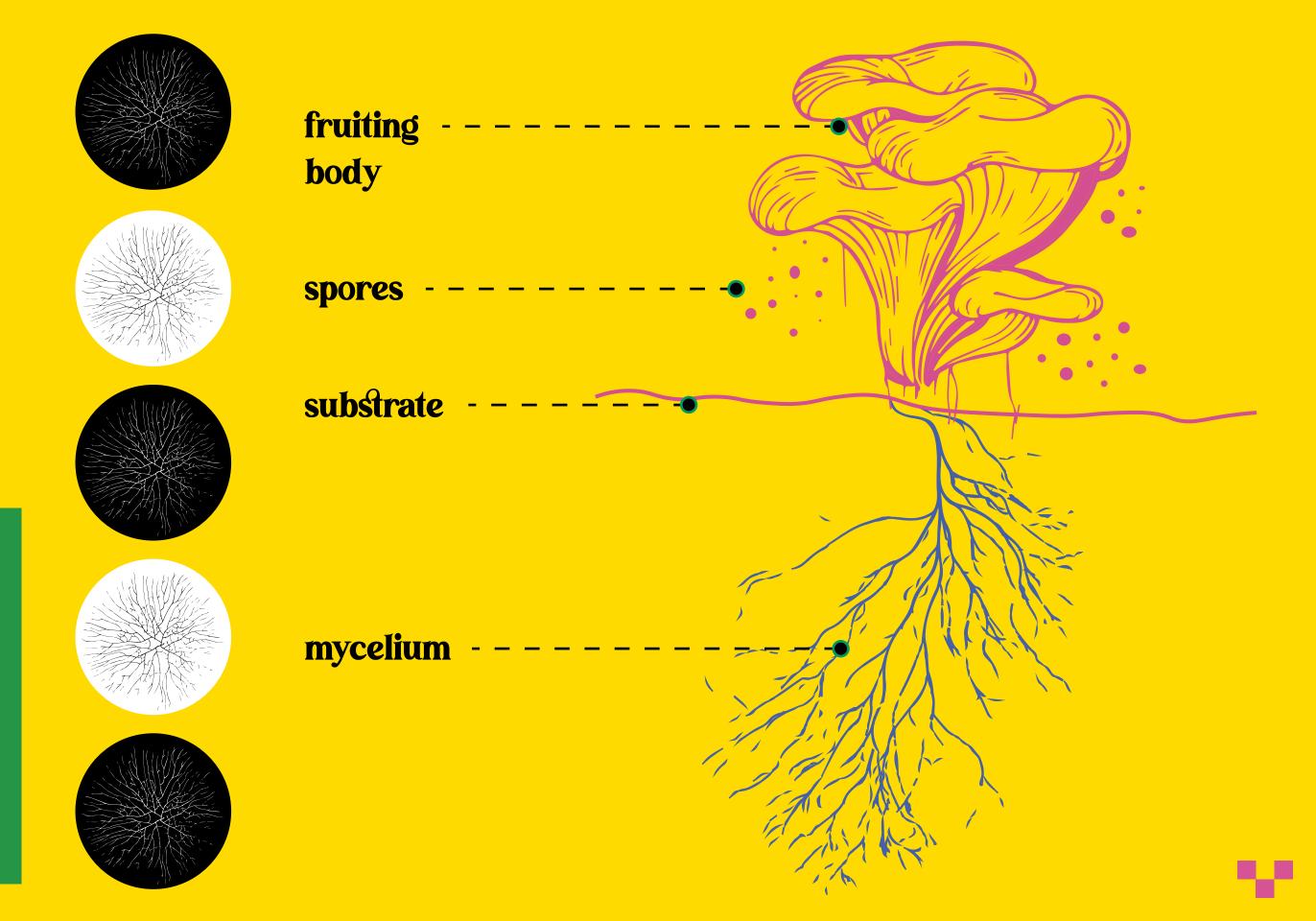




mushrooms /mash,room

a fungal growth that typically takes the form of a domed cap on a stalk with gills on the underside of the cap

A mushroom is the reproductive structure produced by fungi. It is somewhat like the fruit of a plant, except that the "seeds" it produces are millions of microscopic spores. The spores blow away into the wind and If they land on a suitable substrate that is moist enough, spores start feeding off of that substrate. The spores will then start to form a network of white rooting threads called mycelium which penetrate into the substrate and begin to take it over. A mushroom then sprouts over time from this mycelium. I started the term by growing different species of mushrooms and experimenting with the cultivation process. Most of the mushrooms grow within 5-10 days if you mist 2 to 3 times a day, place in indirect sunlight and keep a decent humidity.







new york grown

" lions mane mushrooms



mist
2-3x
a day



high humidity

A mushroom grow kit is a block of supplemented sawdust that has been sterilised and inoculated with a live mycelium, cultured in laboratory conditions

7lbs of organic mushroom mycelium

mushroom spawn

mycelium

10-14 days growth time

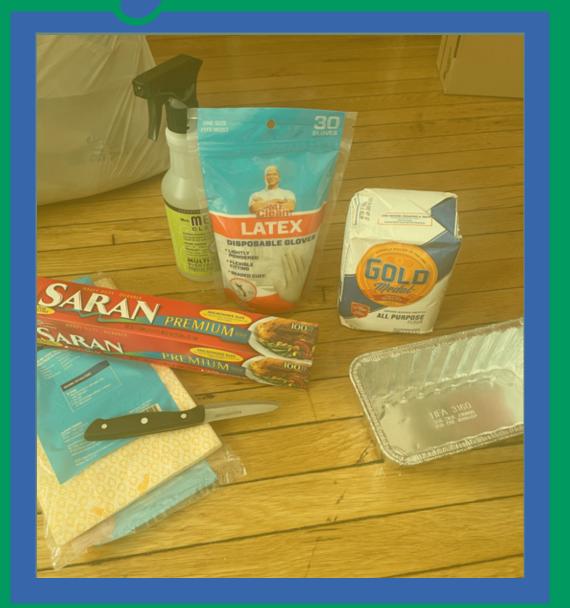


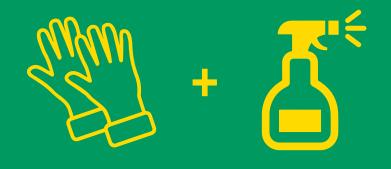


Kennedy VanTrum



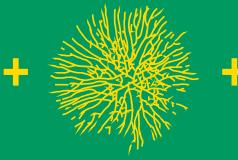
creating mycelium brick













mix thoroughly



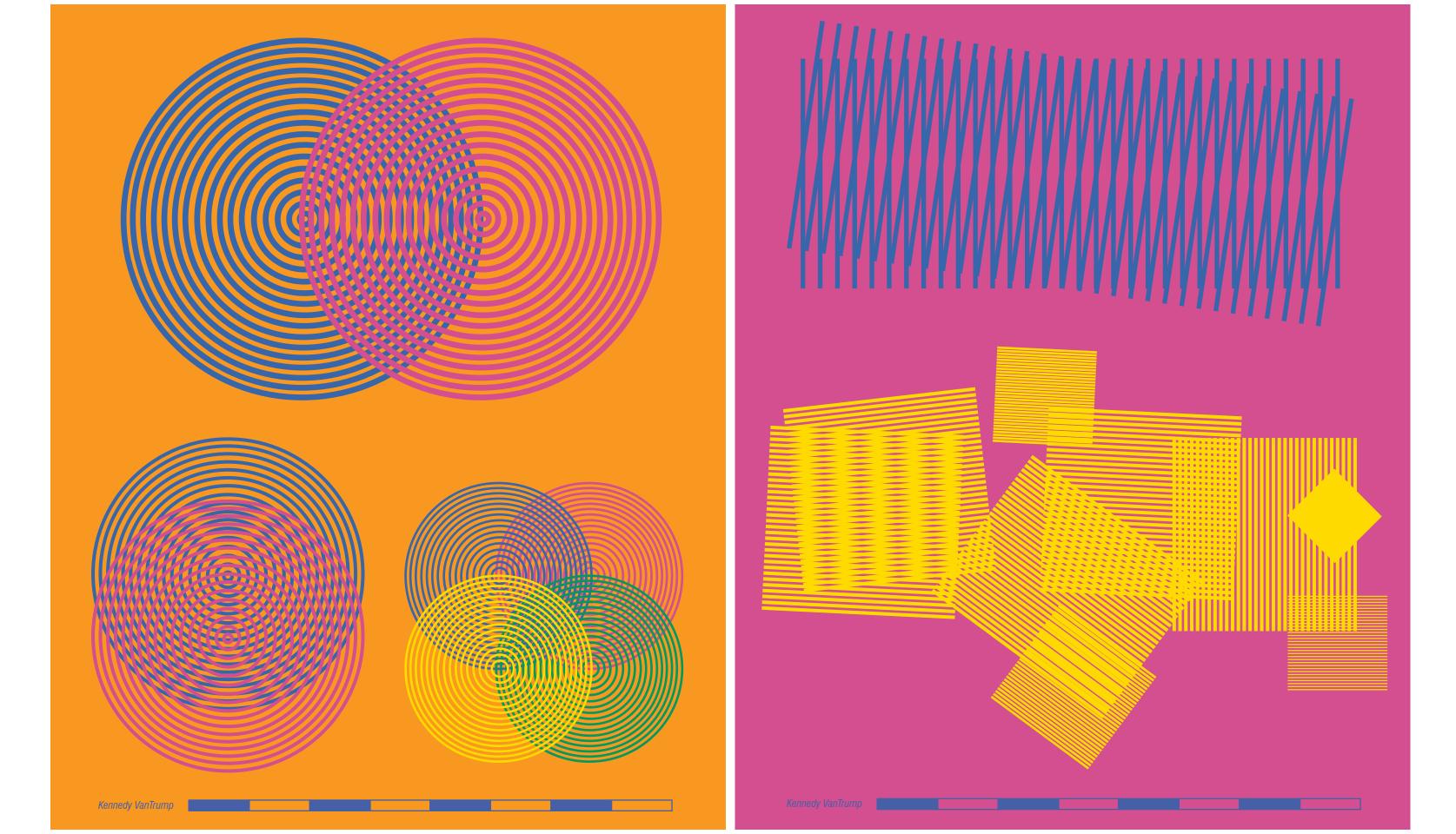
place mixture in molo

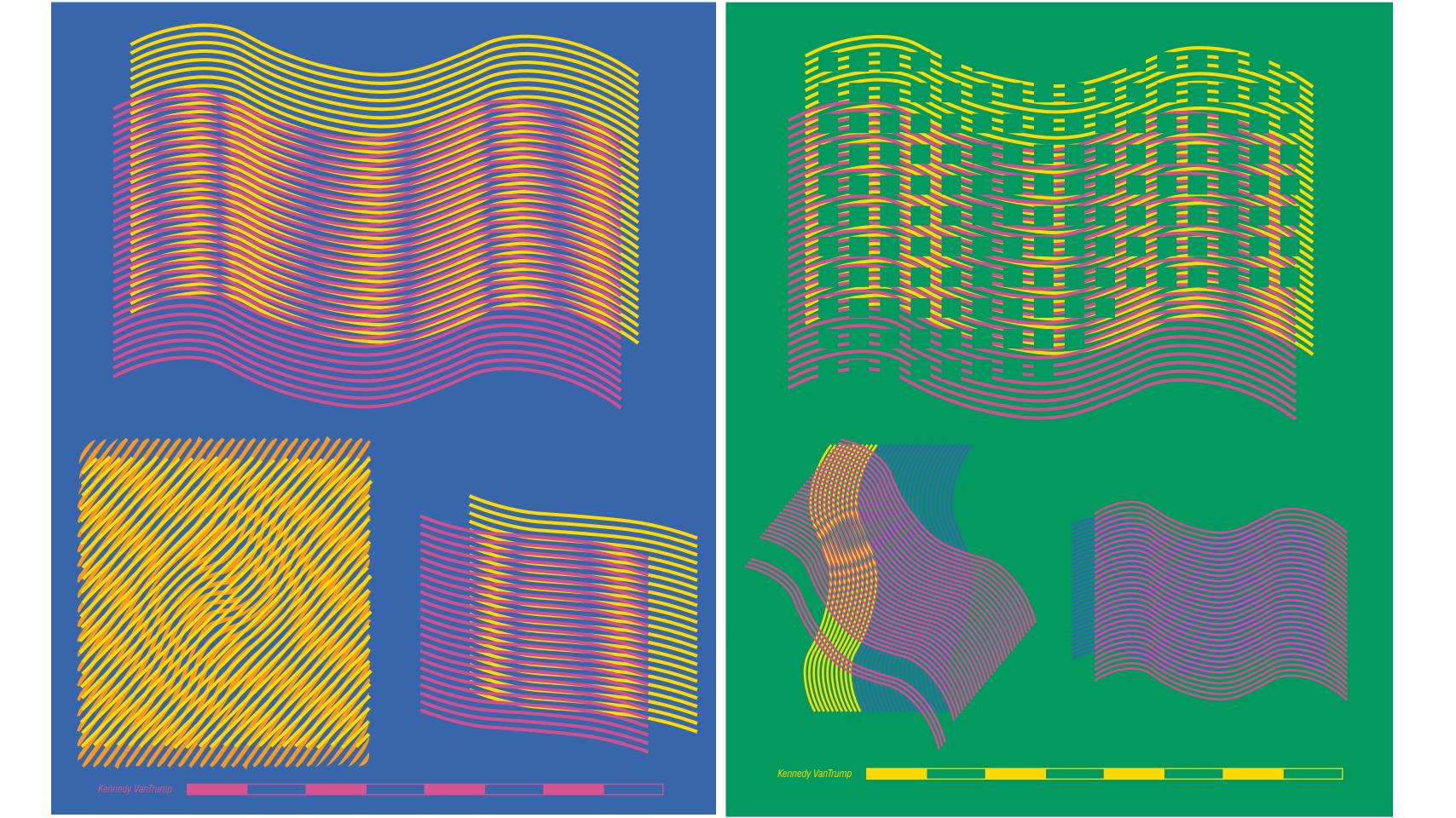




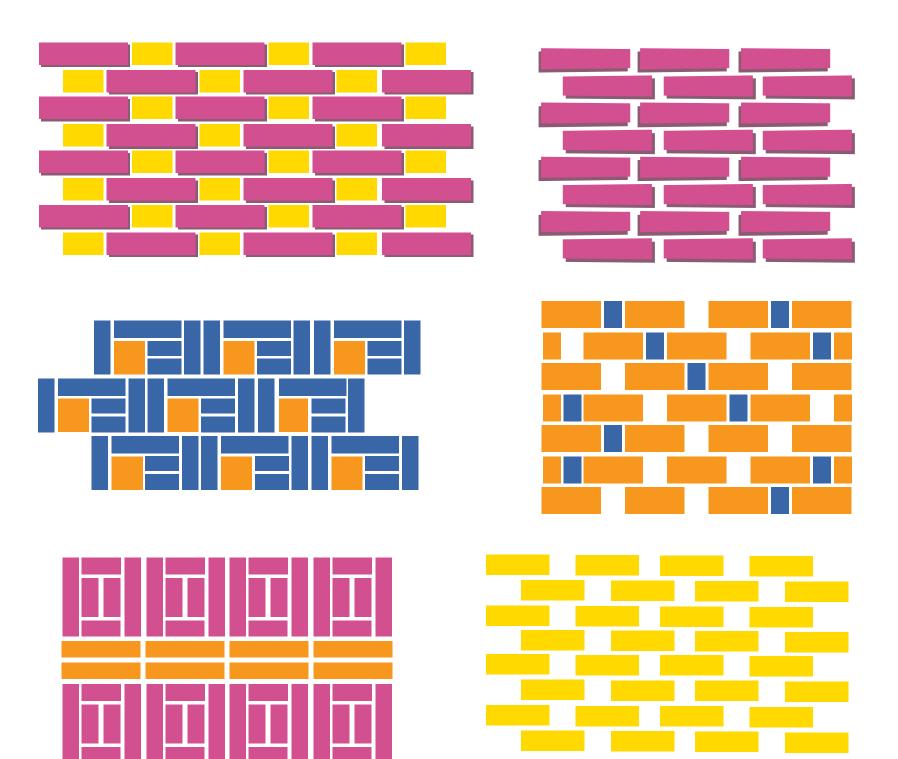


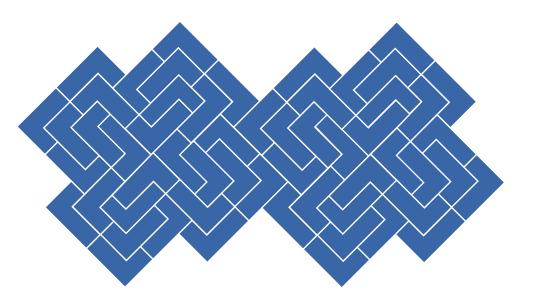
mycelum blick Scaling larger than the household growing practice mycelium is working to improve the environment. Which brings us to the creation of the mycelium brick. A brick made solely from biodegradable materials. The mycelium brick itself is incredibly hard, shatter resistant, and can handle enormous amounts of compression. The goal for my proposal is to scale this into a potential building for Avery. The mycelium bricks can work as means for creating and closing off space and screen systems to reinforce space and lighting patterns.



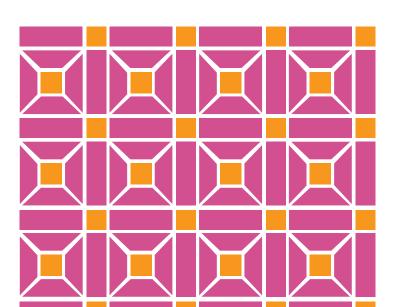


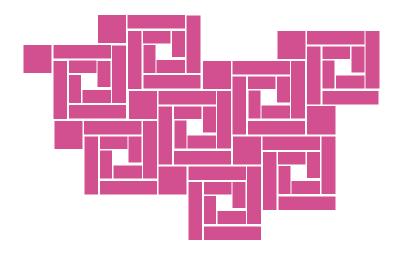
brick as composition

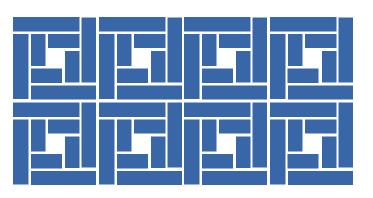


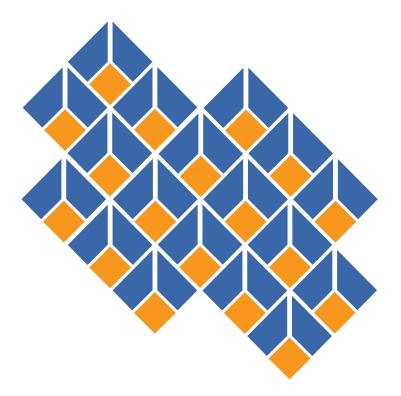


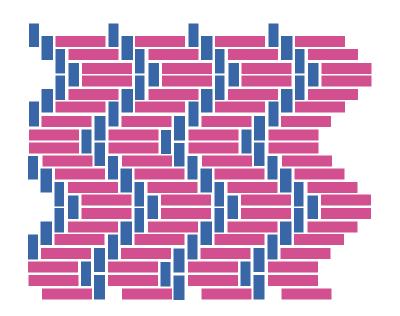
brick as composition

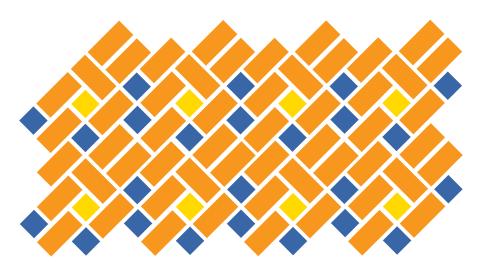












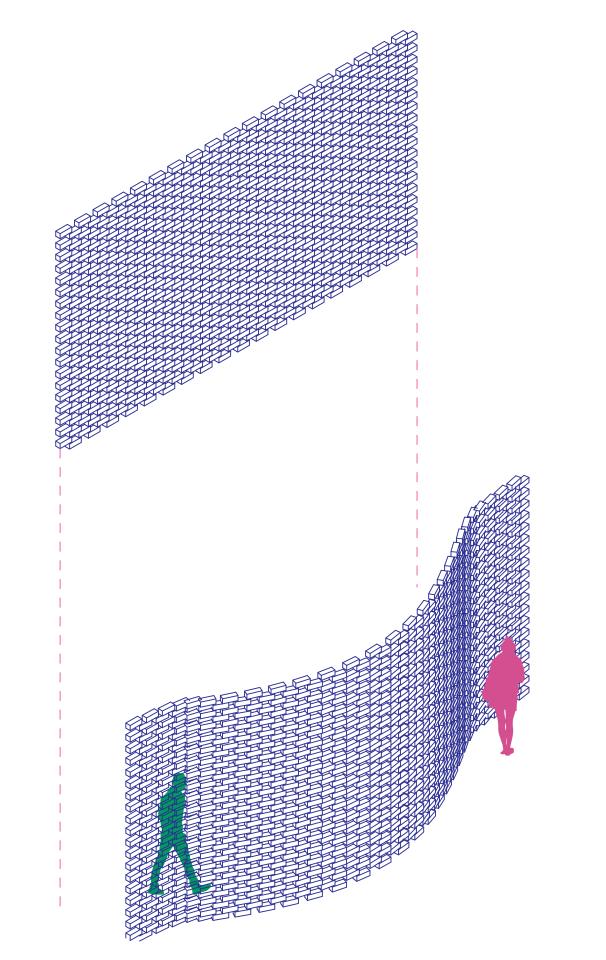




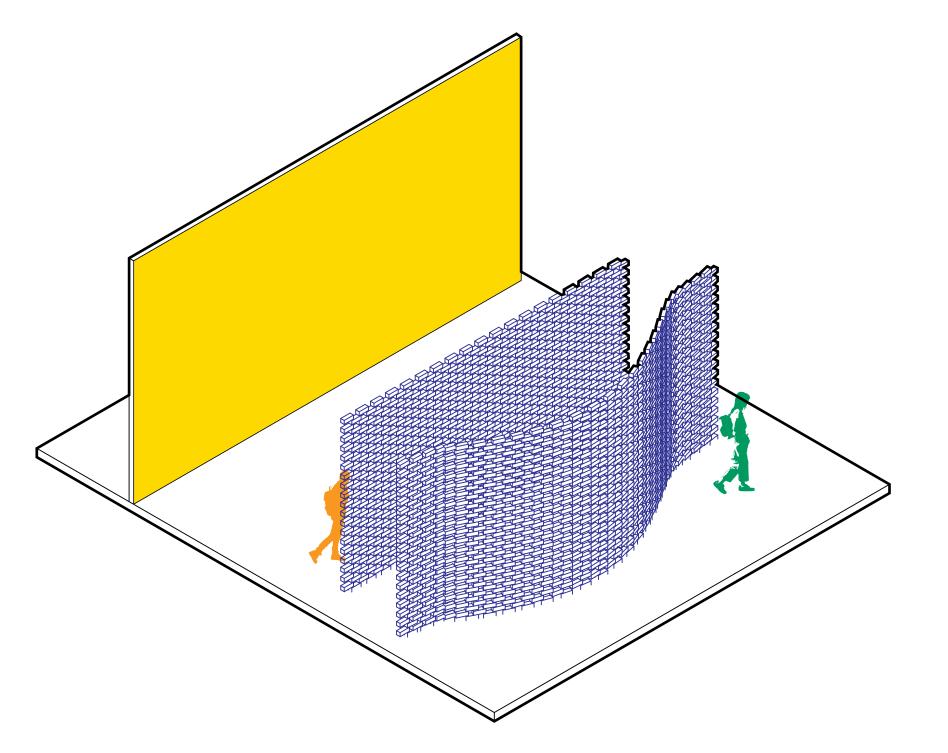


moire pattern as brick





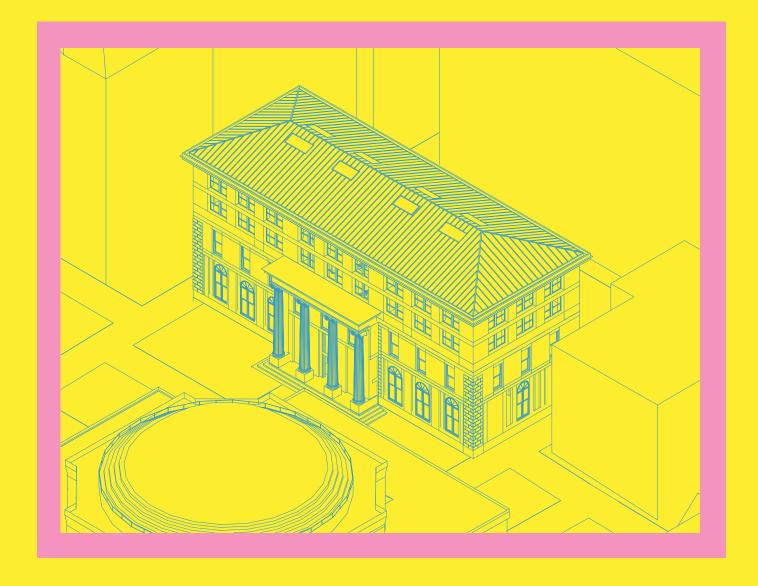
moire pattern as brick

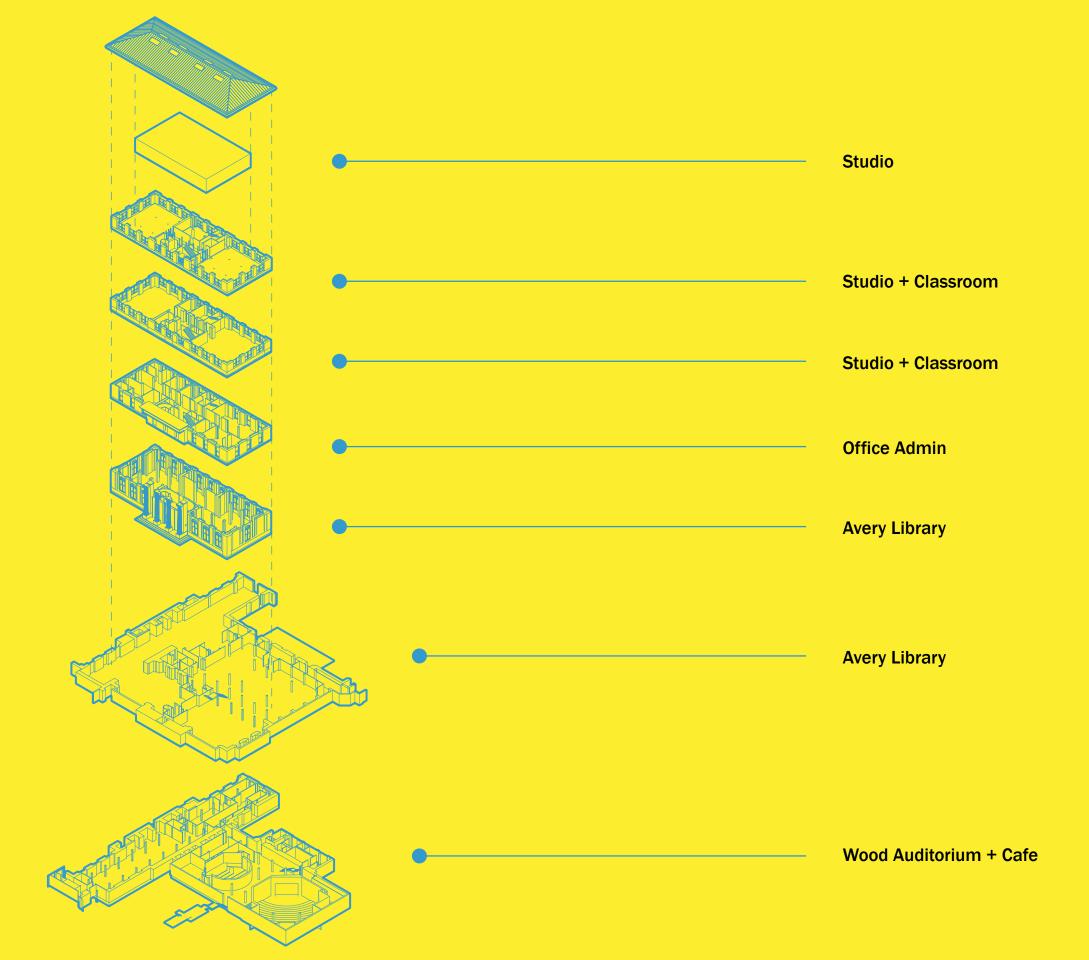




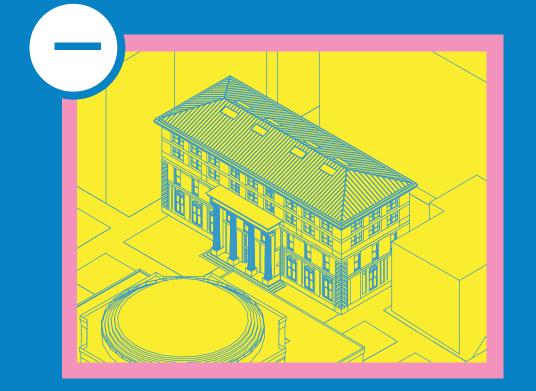


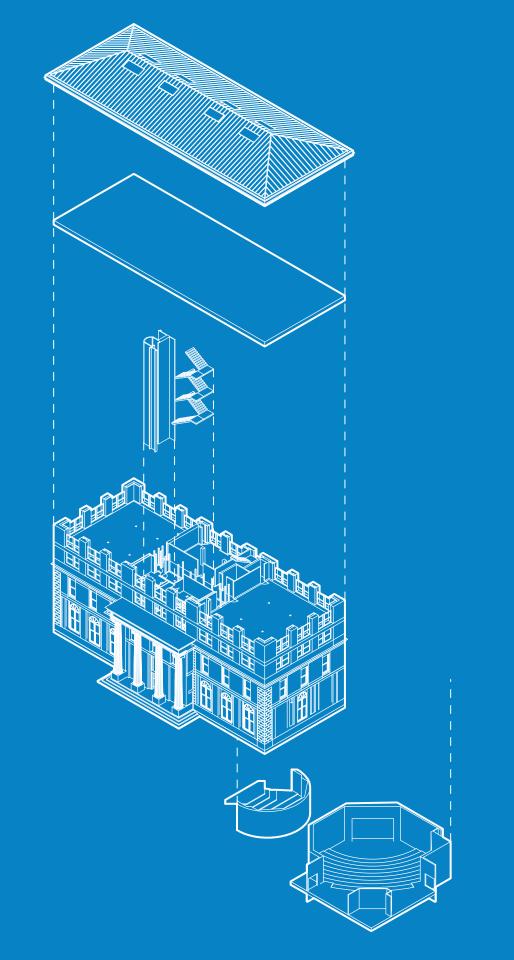
Avery Hall Current Program













Remove 7th Floor Studio

Remove Main Core

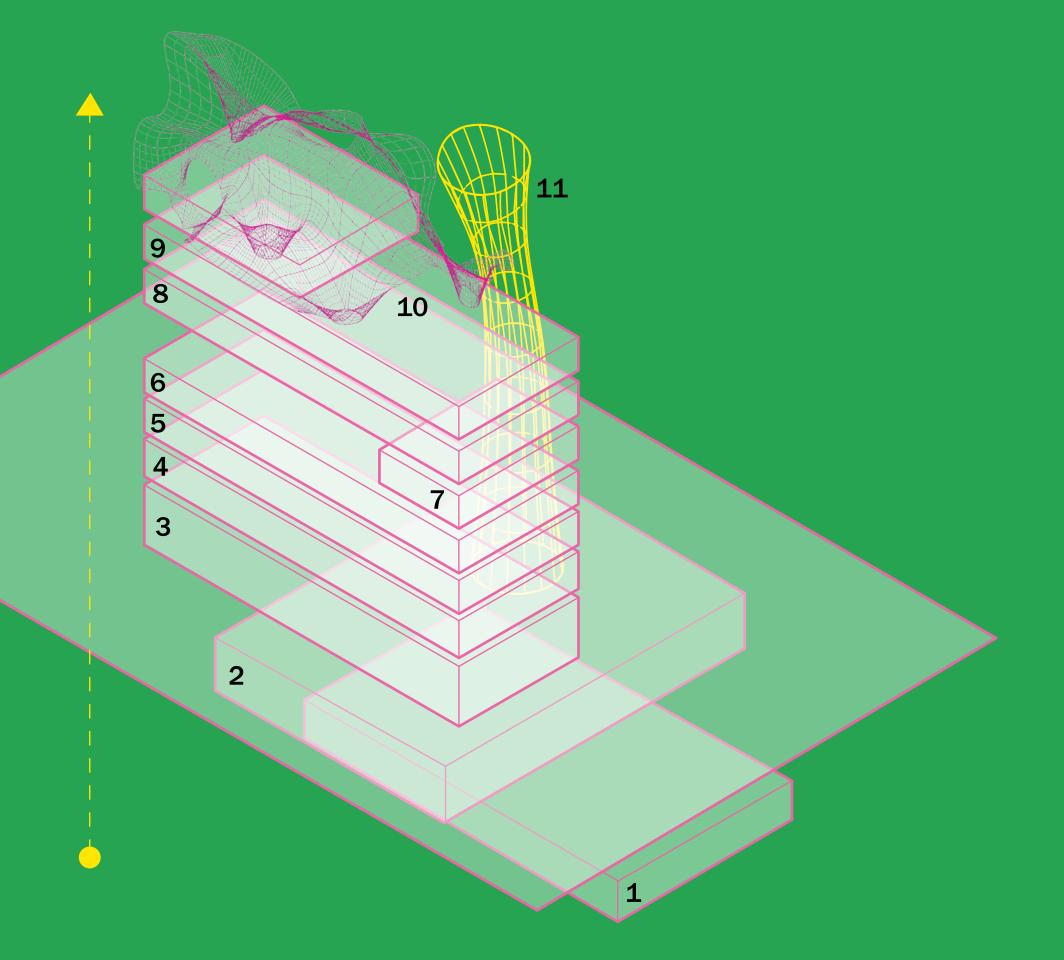
Remove Auditoriums

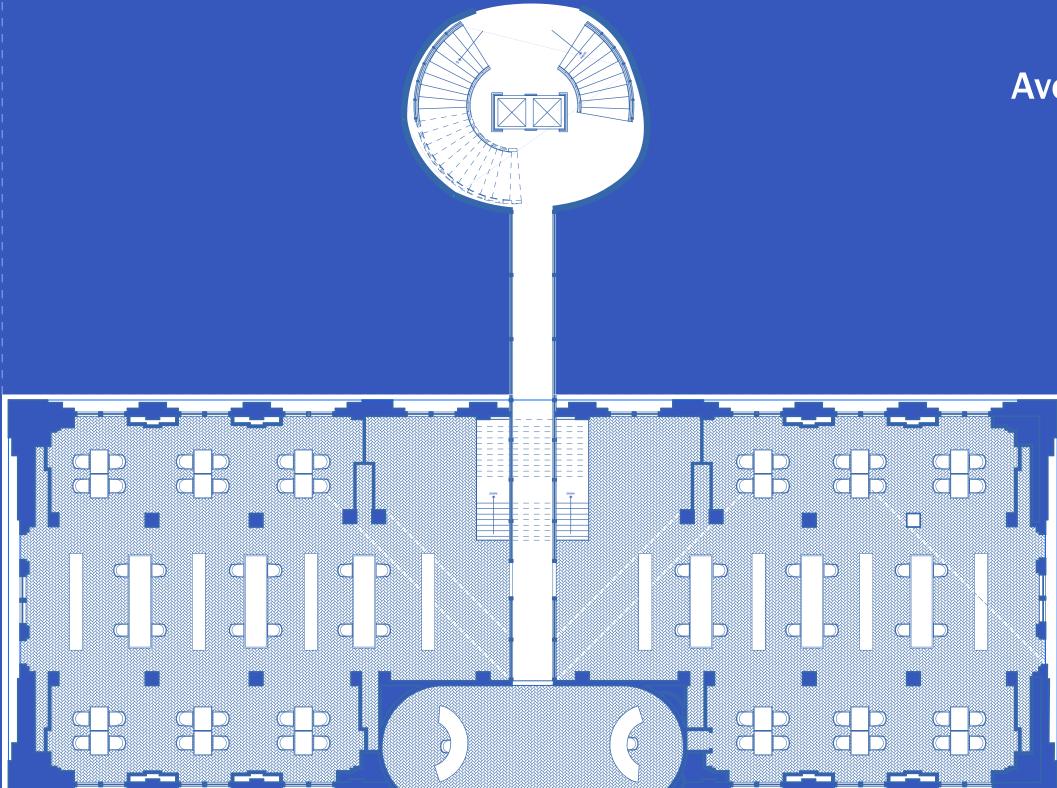


Avery Hall Additions

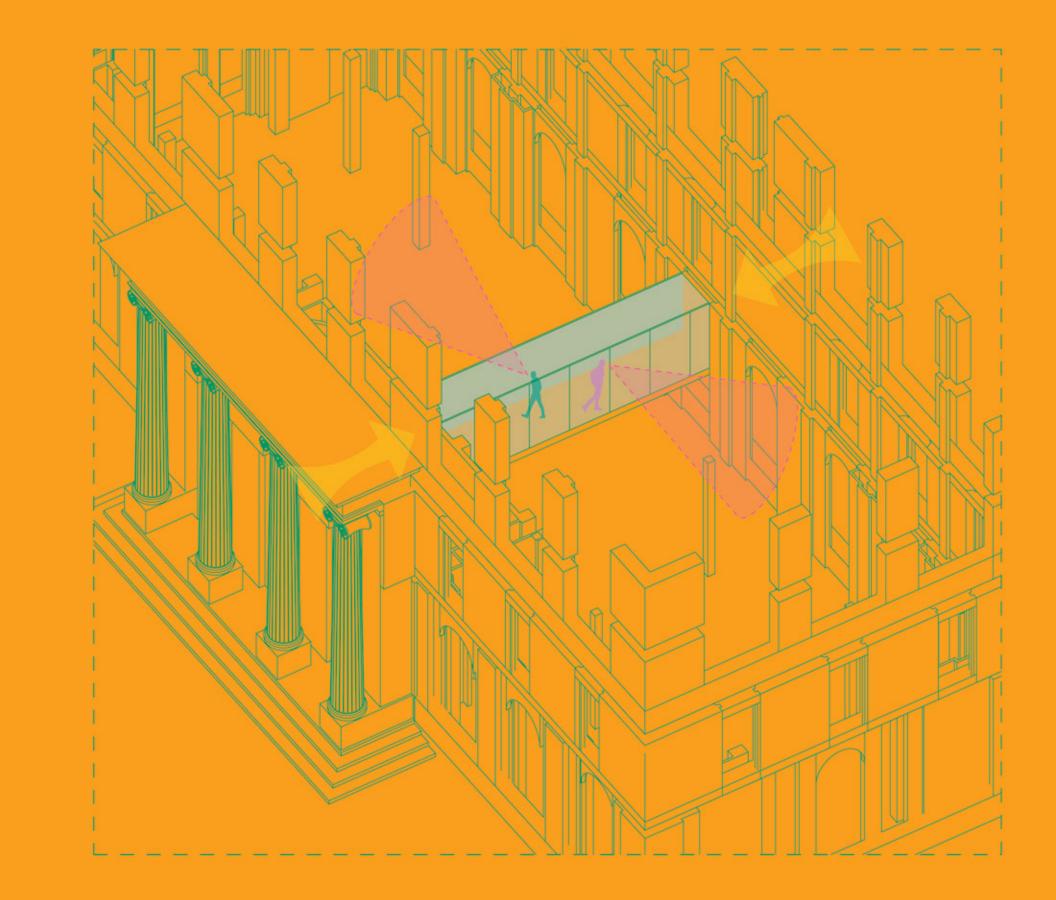
New Program

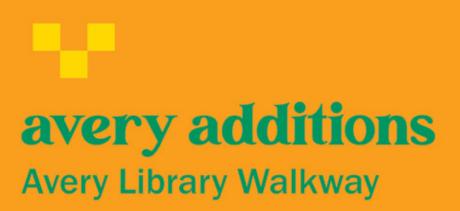
- 1 Student Workshops
- 2 Avery Library
- 3 Avery Library
- 4 Studio
- 5 Studio
- 6 Studio
- 7 Mushroom Farm/Cafe
- 8 Classrooms
- 9 Gallery + Exhibition
- 10 Rooftop / Auditorium
- 11 New Circulation

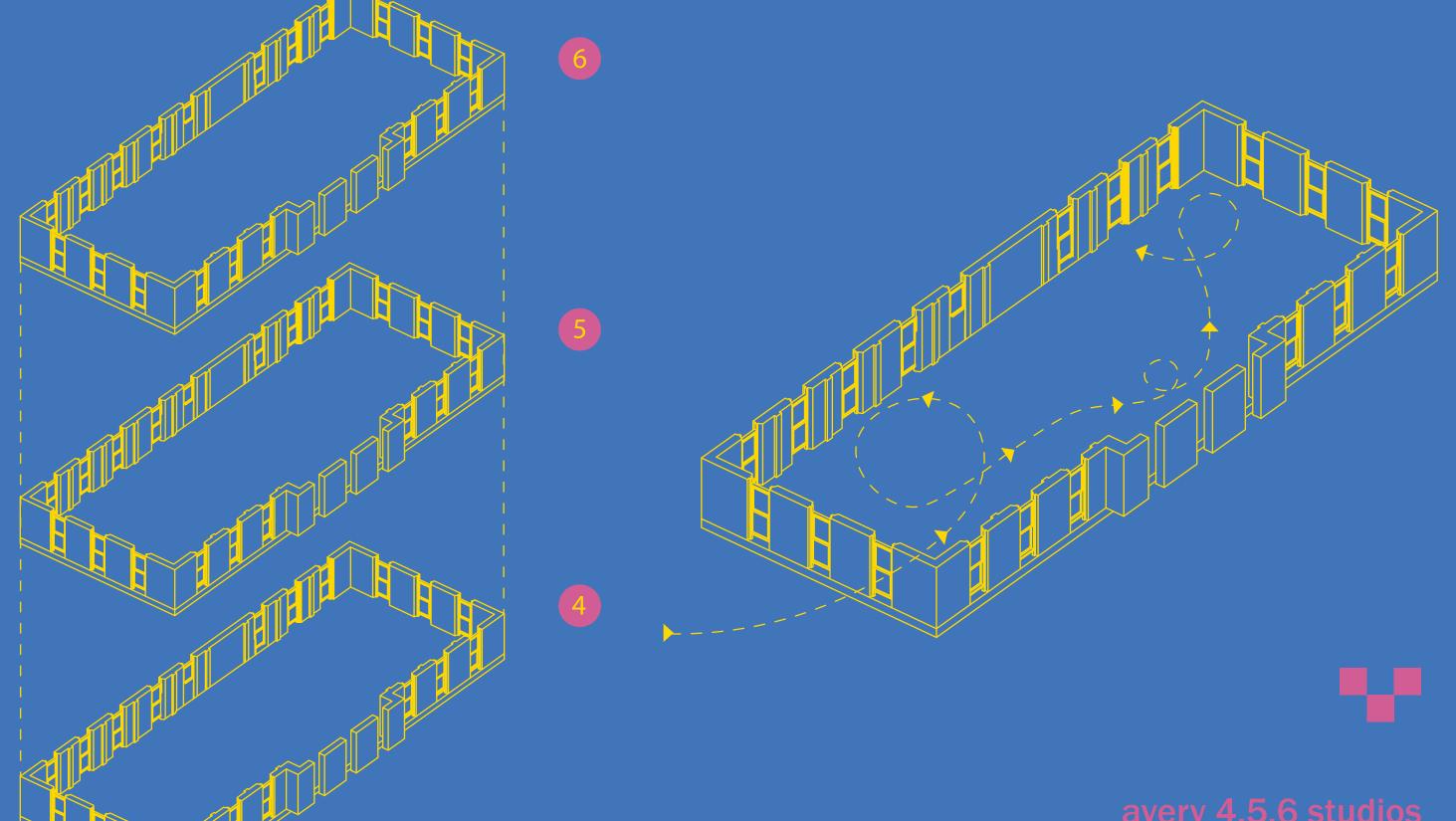


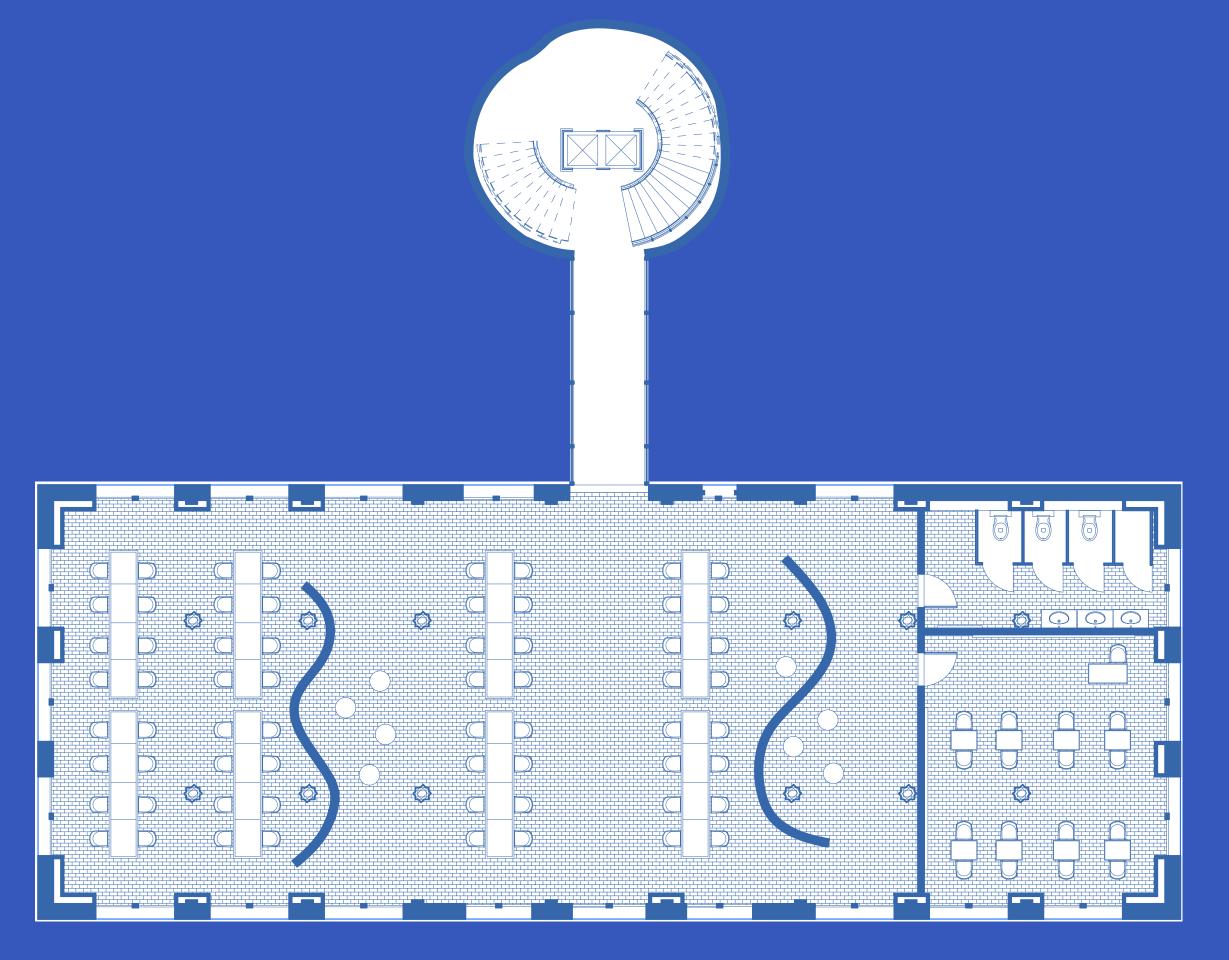


Avery Level 3 - Avery Library + Connection Walkway

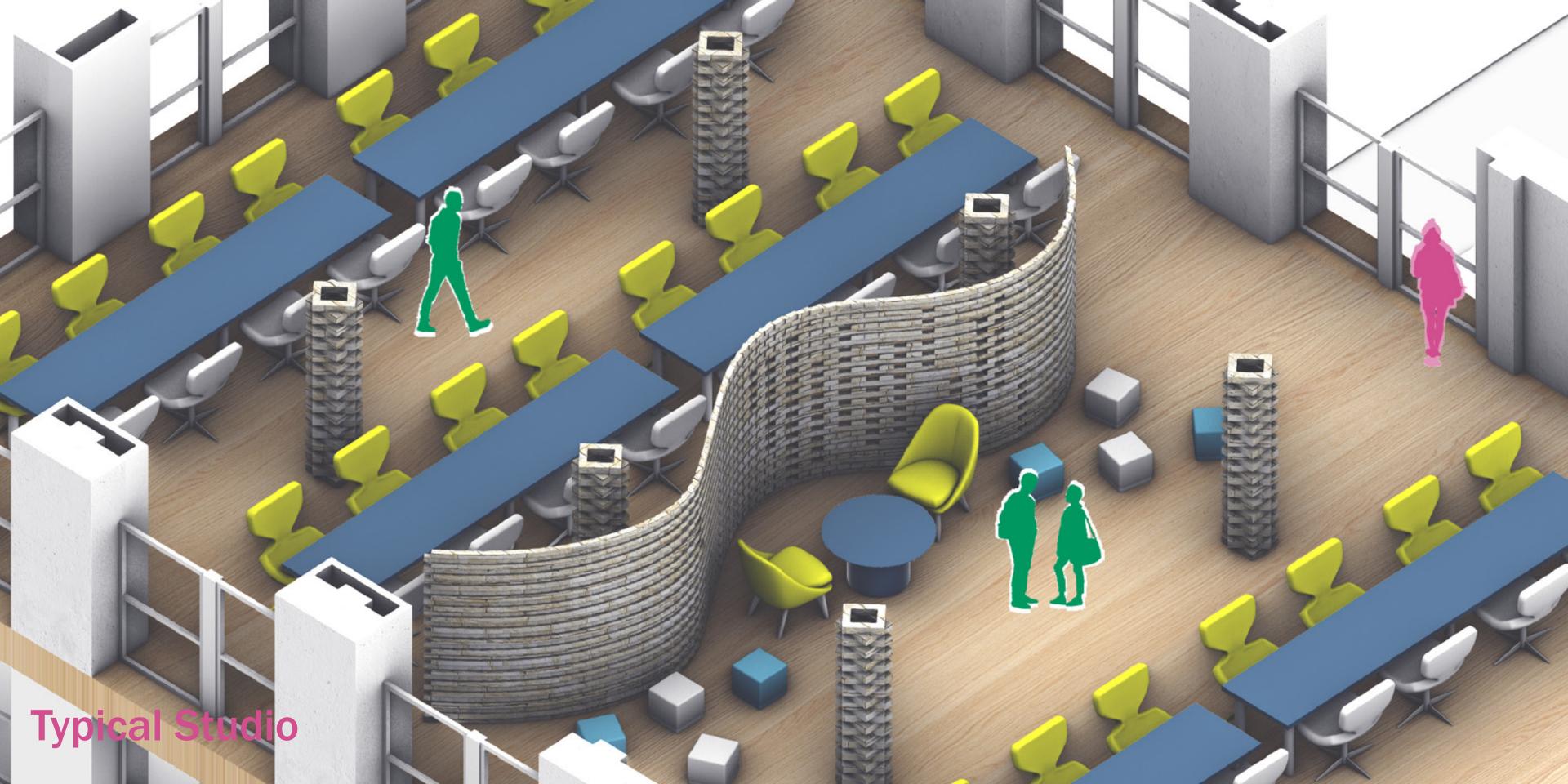


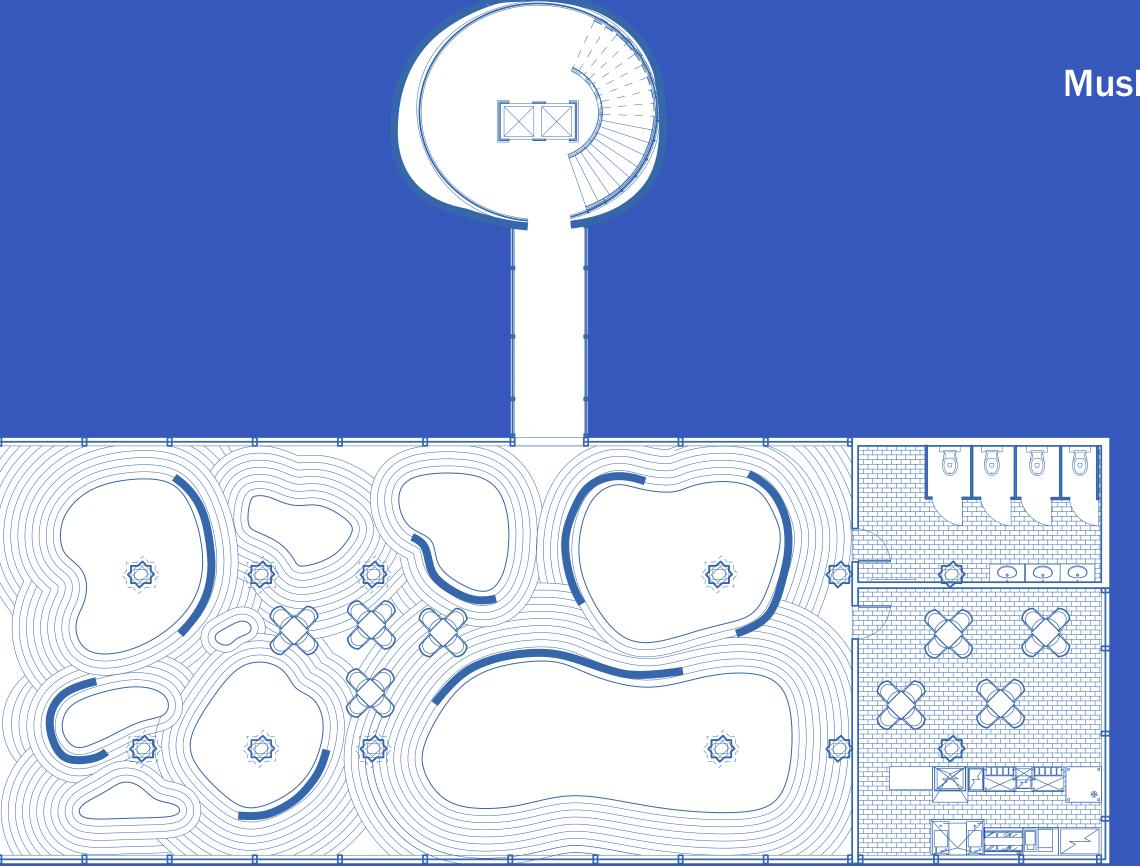






Avery Level 4 + 5 + 6 - Typical Studio

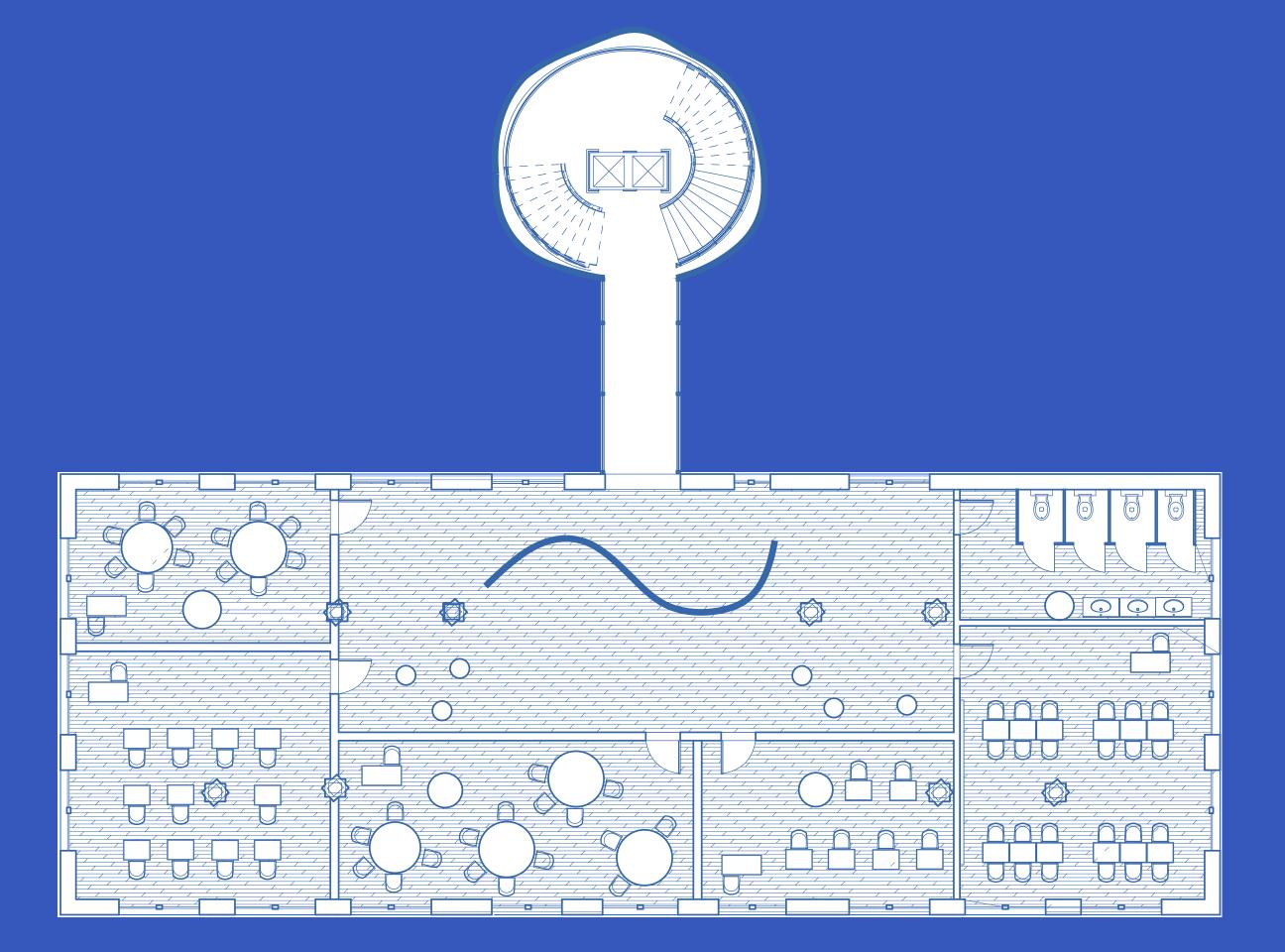


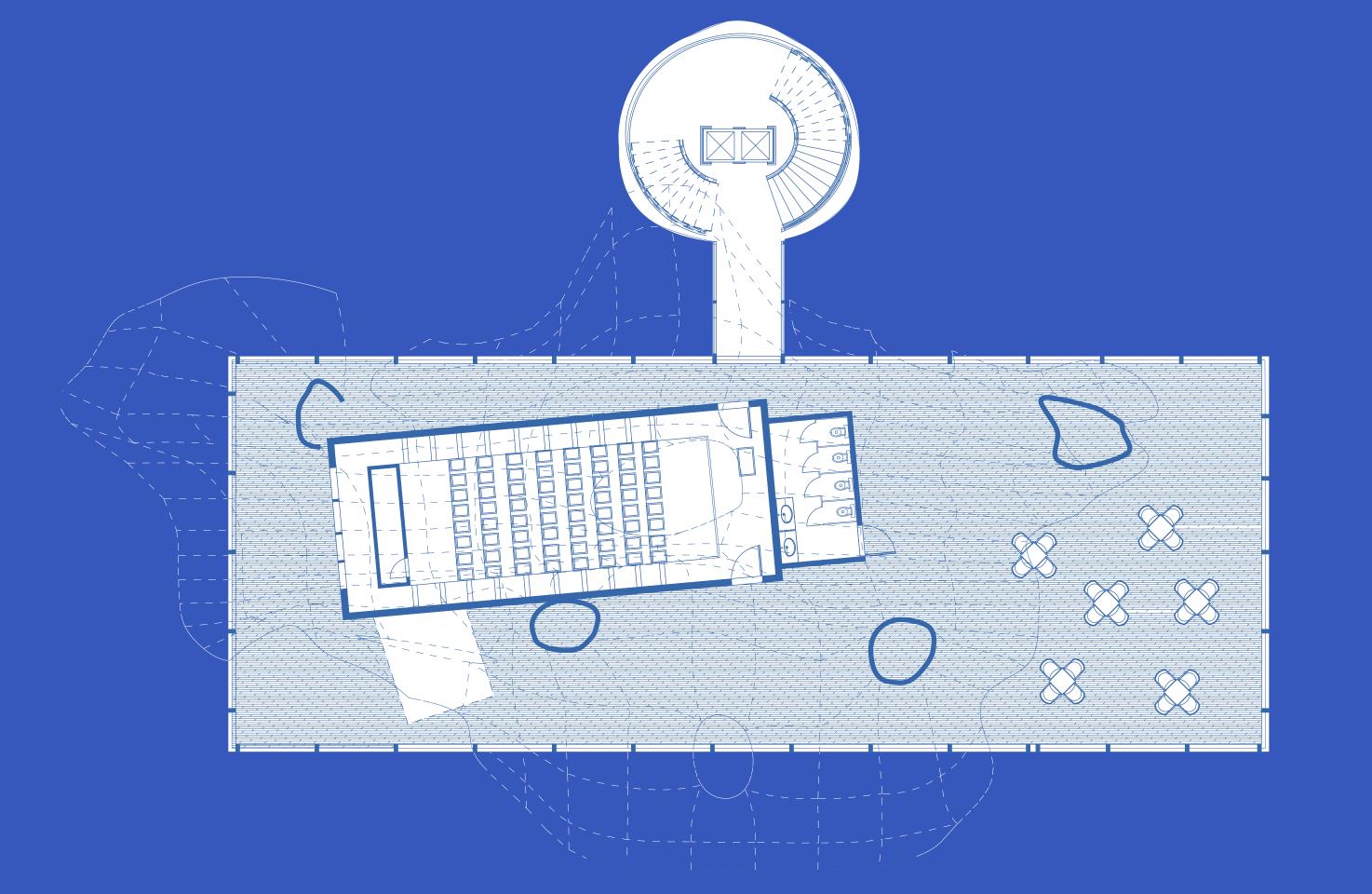


Avery Level 7 - Mushroom Farm + Exterior Lounge

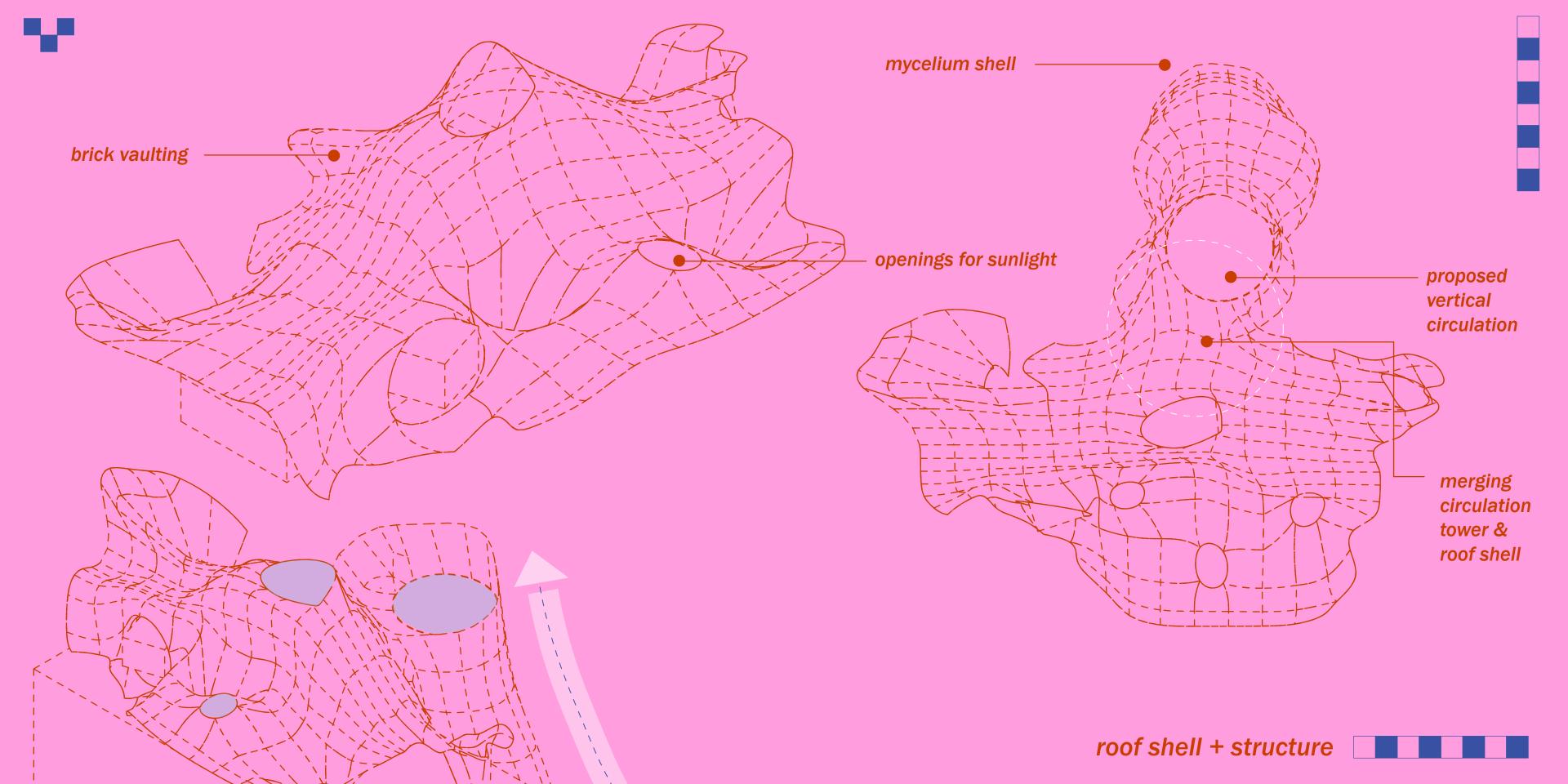
The mushroom farm requires student and faculty help to become successful. GSAPP could partner with the surrounding neighborhood to offer courses on mushroom cultivation and building. Since the common brick can be formed into many different compositions, the structures have the ability to be changed throughout the years. The farm will help create new interior walls and screens. Students or local community members can disassemble the structures and compost the bricks, using the resulting soil to create more mycelium bricks.



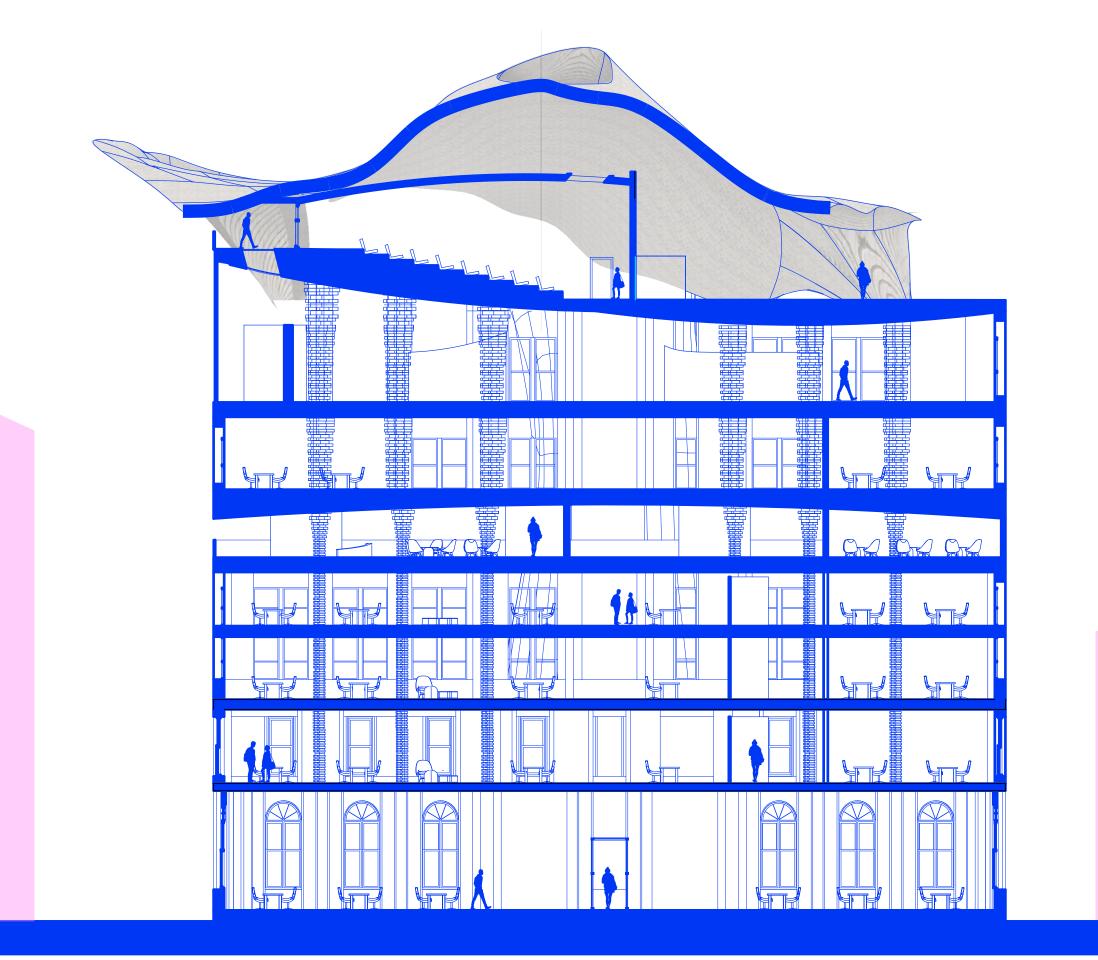




Avery Level 10 -Auditorium + Rooftop









Keeping the integrity of the Columbia campus brick structures while leaving a smaller footprint and increasing community involvement. The goal of the proposal is to create a space of exploration, transformation and presentation. A showcase of the GSAPP building practices that will lead to a healthier future.





We find a site that is grounded with a shimmering body of water, yet completely abandoned. One villa still stands alone in the massive site, asking for discovery. The excessive plants, trees and worn materials are symbols of the weathering and time that has passed. The large relics draw in a curious group of wanderers, who make this piece of land their home. The glimpses of new, fresh colors and finishes are a peek into the changes the current community has made. The overall goal of the site is to focus on how small scale the new community is compared to what stood before. The site will completely transform its character as years progress.

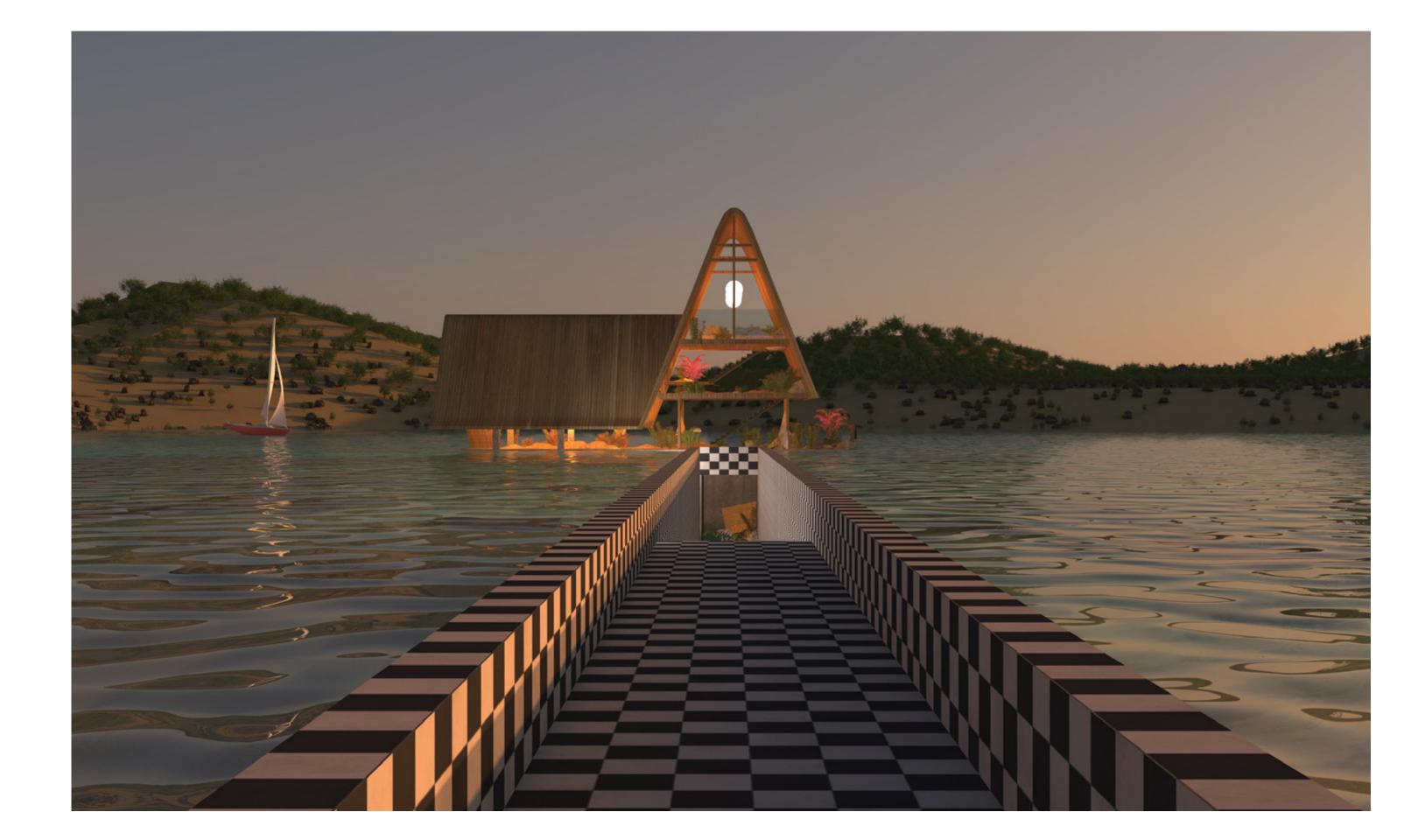
Columbia University GSAPP

In Collab with : Han Kuo + Jerry Schmit + Qingfan Wu

Modeled and Rendered in 3ds Max / Vray















relax gsapp

- relaxation station



In Collab With: Eric Hagerman Katerina Papoutsa Laurin Moseley **Mudong Jung** Zhanhao Fan



Spring 2022





Our installation is proposed to transform the current underutilized common study space of Avery 100 to a relaxation area for Columbia **GSAPP** students. An opportunity for one to take a break in between courses or their studies to relax, reduce their levels of anxiety and increase their state of mindfulness. Relaxation can be triggered in many ways, but we will be focusing on comfort, lighting, sound, and visual aspects. An installation of nylon bags will create a "cloud", connected to the ceiling, to create the feeling of decompression. At the same time, light fabrics will differentiate and enclose the space, creating smaller private spaces. The screen located in the space will display images/videos for visual relaxation, while a QR code will enable the visitors to manage the music they will listen to. Posters and signs will advertise the station all over the **GSAPP** building, attracting students to experience the GSAPP Relaxation station and its dynamics.



GSAPP RELAXATION STATION ® AVERY 100



GSAPP RELAXATION STATION

@ AVERY 100

REZAX

GAAX RELAX

GSAPP

GSAPP RELAXATION STATION @ AVERY 100

RELAX GSAP

@ AVERY 100

ERIC HAGERMAN KATERINA PAPOUTSA KENNEDY VANTRUMP LAURIN MOSELEY MUDONG JUNG ZHANHAO FAN

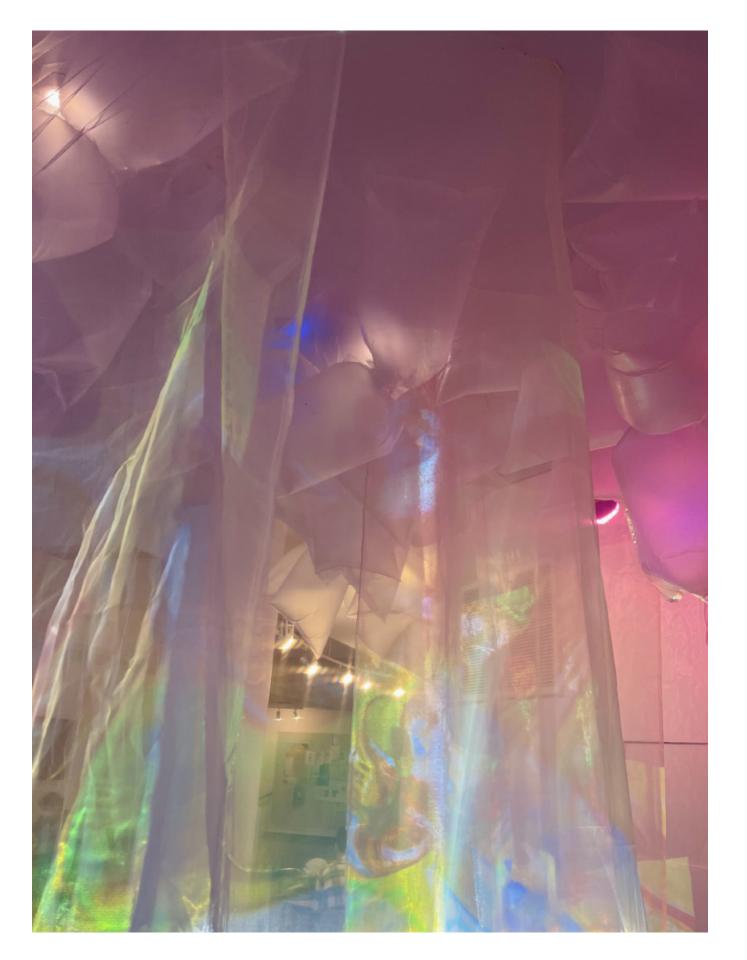


















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