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ADV STUDIO V ©1

# DIALOGUE

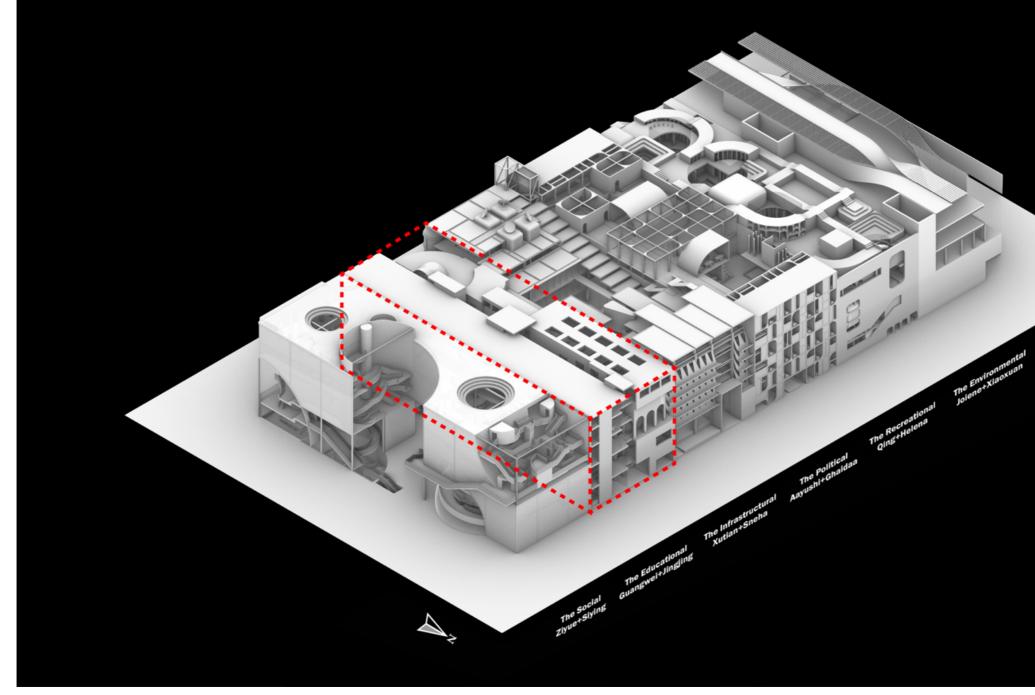
A New Type of School

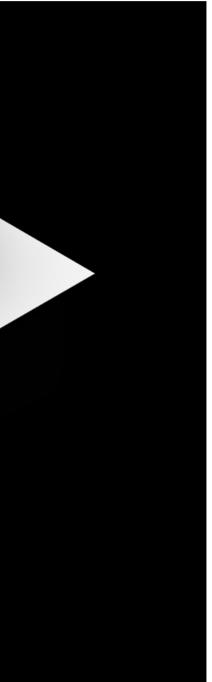
Professor: Bernard Tschumi

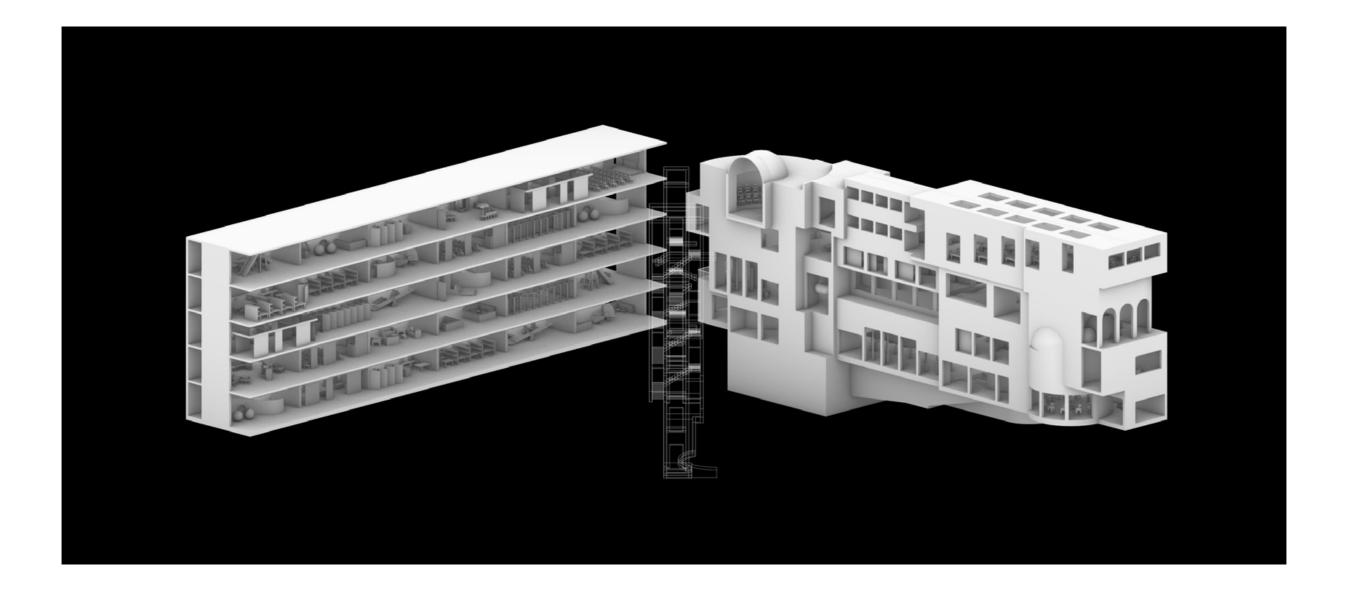
Collaborator: Guangwei Ren



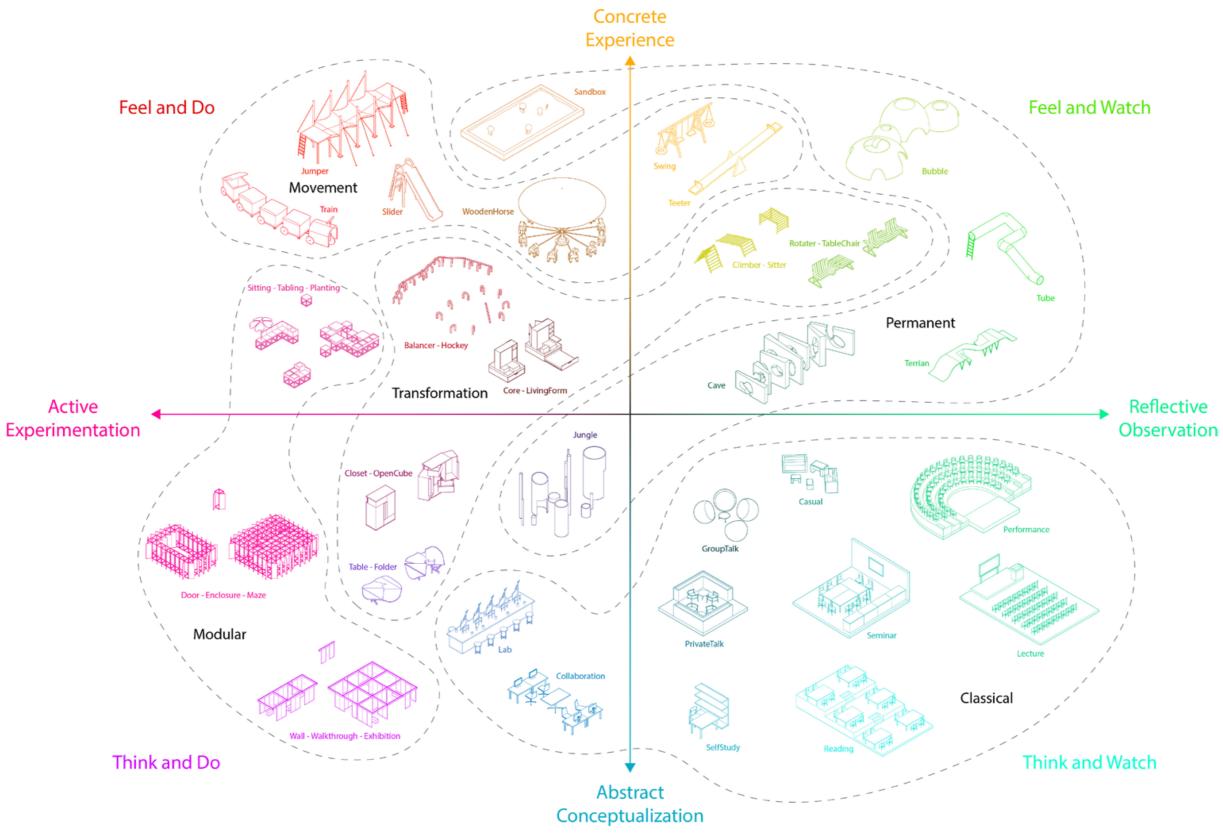
## GROUP AXON





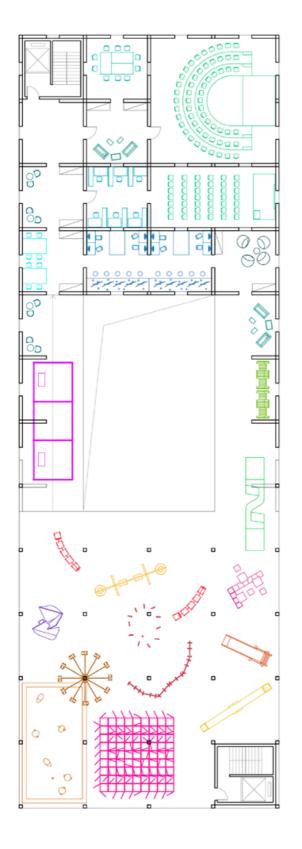


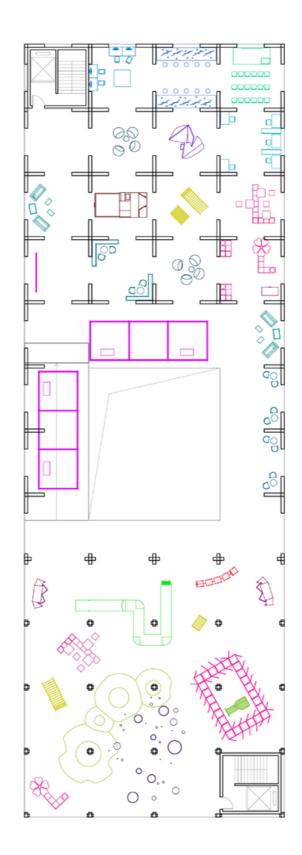
SPLIT AXON

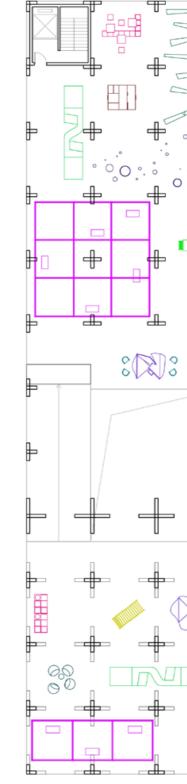


#### FURNITURE ARCHIVE

#### CONCEPT OF ROOM & FURNITURE



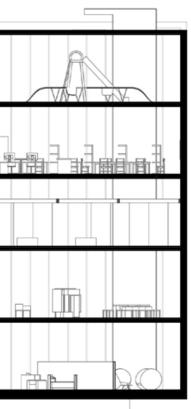




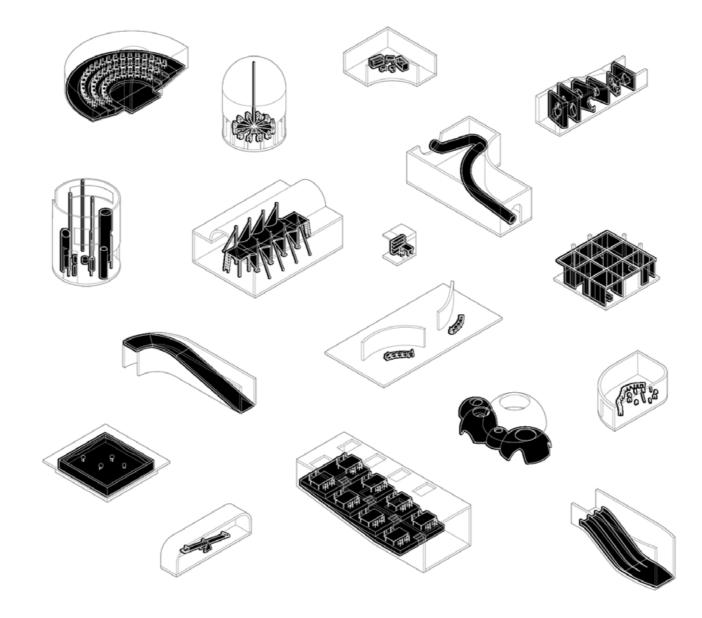


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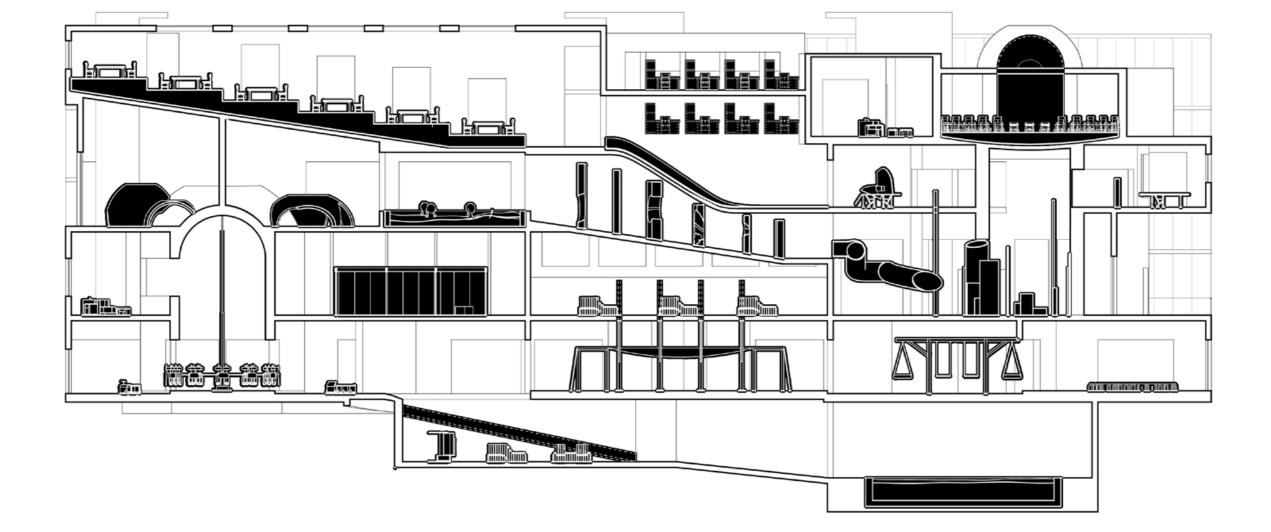
#### EAST SECTION



## FROM PROGRAM TO TYPE



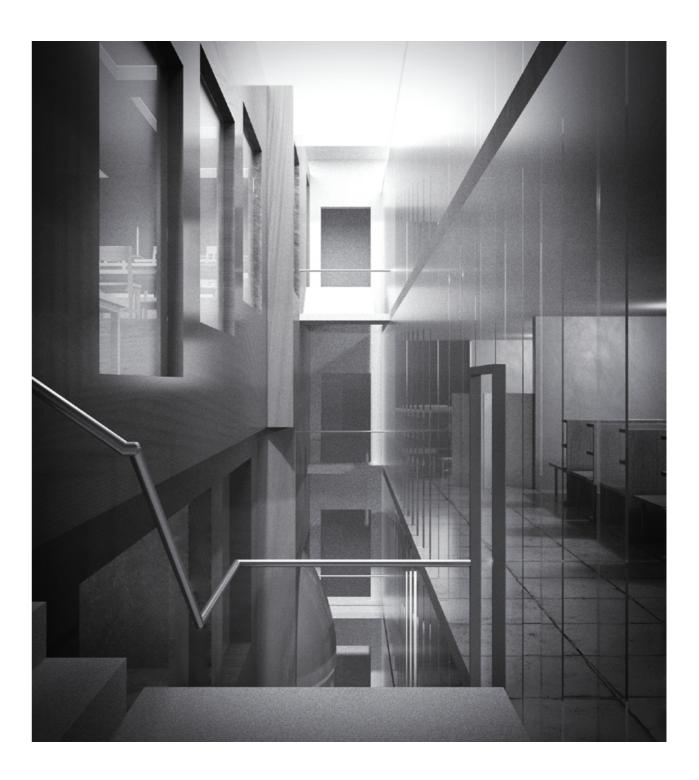
#### WEST SECTION



As we juxtapose these two approaches in the longitude of the site, the dialogue between them leads to the complexity of spatial and conceptual relationship.

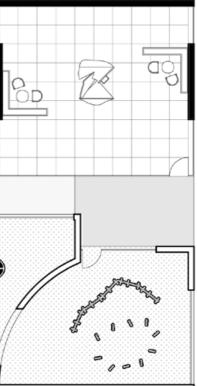
The gap space in the middle both connects and divides these two parts, providing necessary skylight and somewhere visitors can feel the contrast.

Vertical transportation is also on the middle axis, because if we think elevator/staircase as furniture and the core as room, it can achieve both of the principles: furniture and architecture follow each other at the same time.

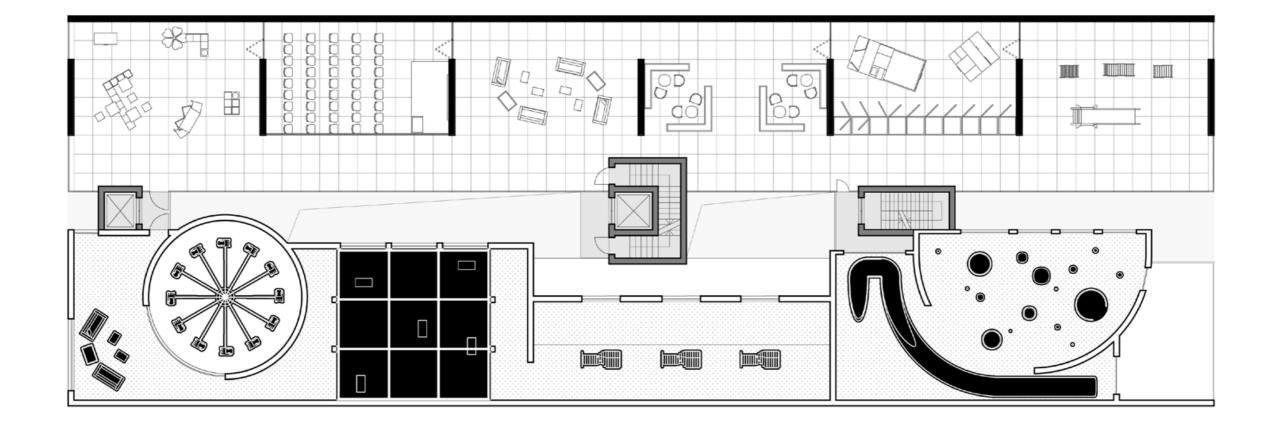


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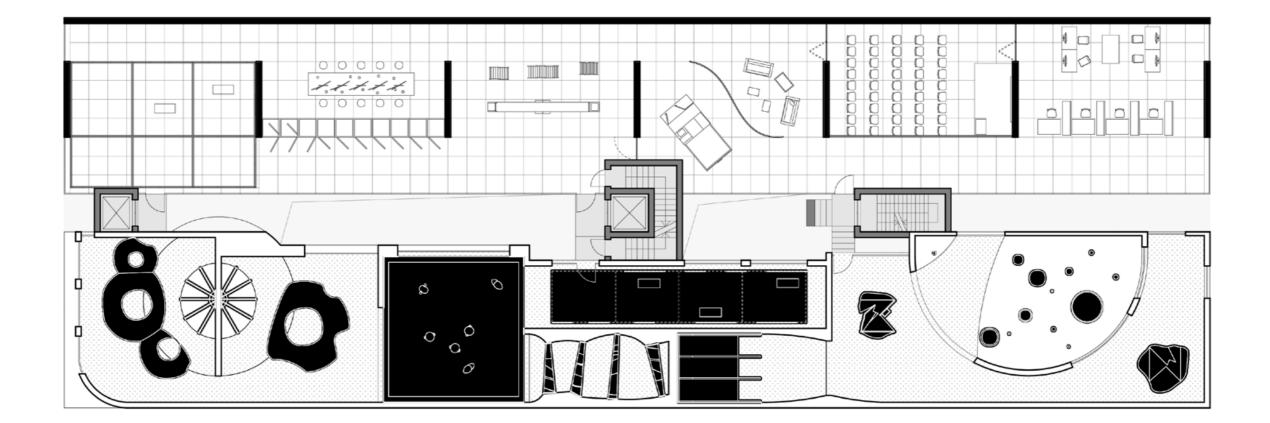
## GROUND FLOOR PLAN



## SECOND FLOOR PLAN

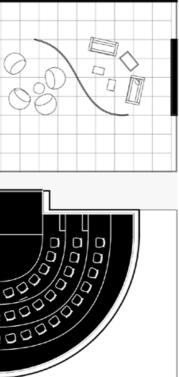


#### THIRD FLOOR PLAN

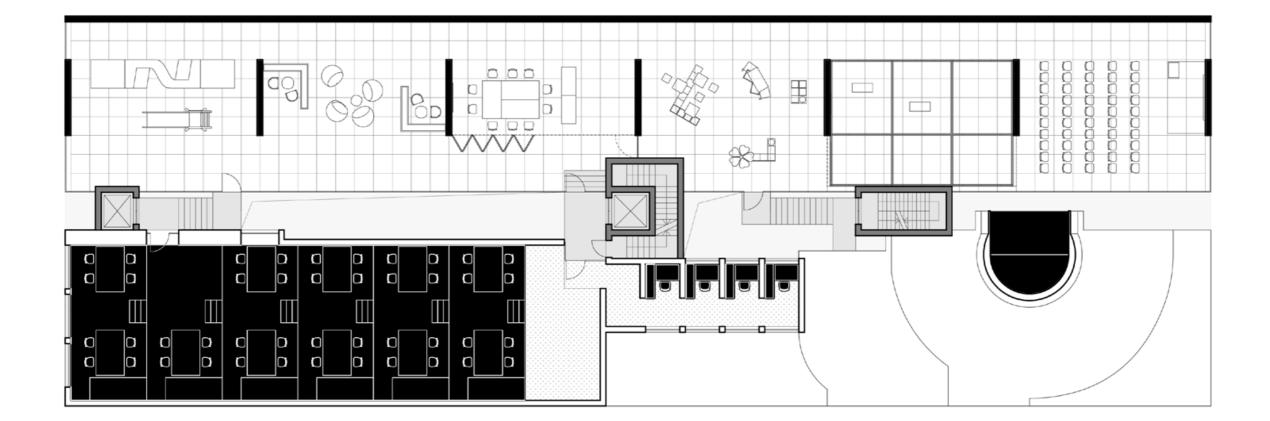


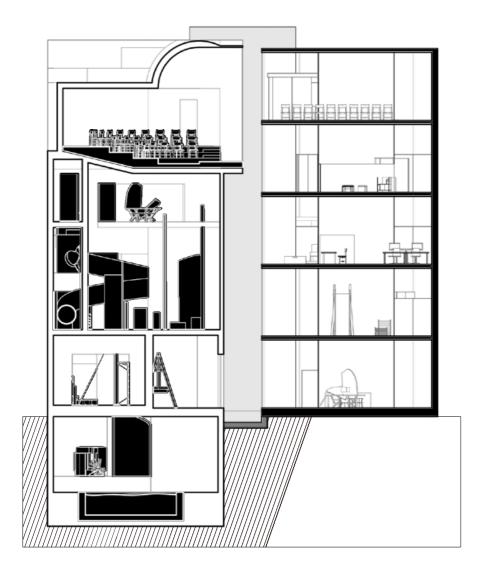
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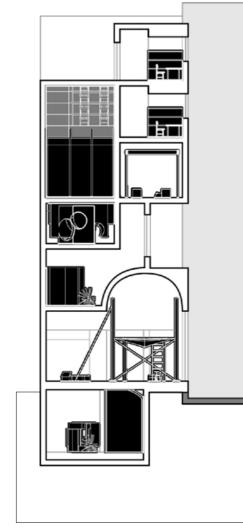
#### FOURTH FLOOR PLAN



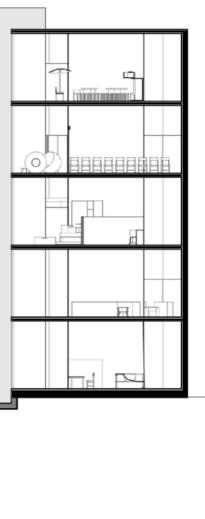
#### FIFTH FLOOR PLAN





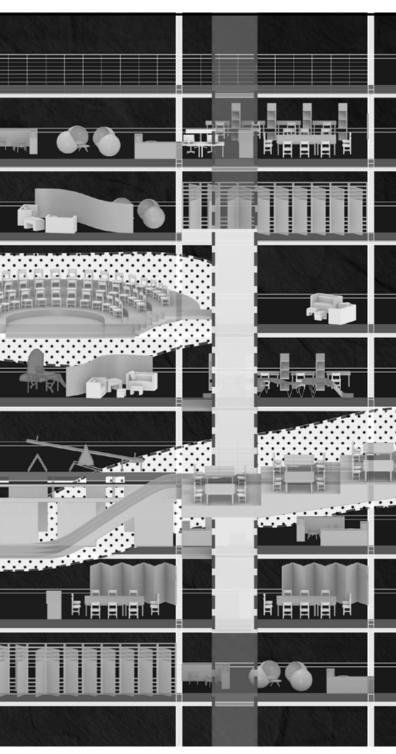


#### CROSS SECTION



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#### FRAMING AND FLOWING









ADV STUDIO VI 0<u>2</u>

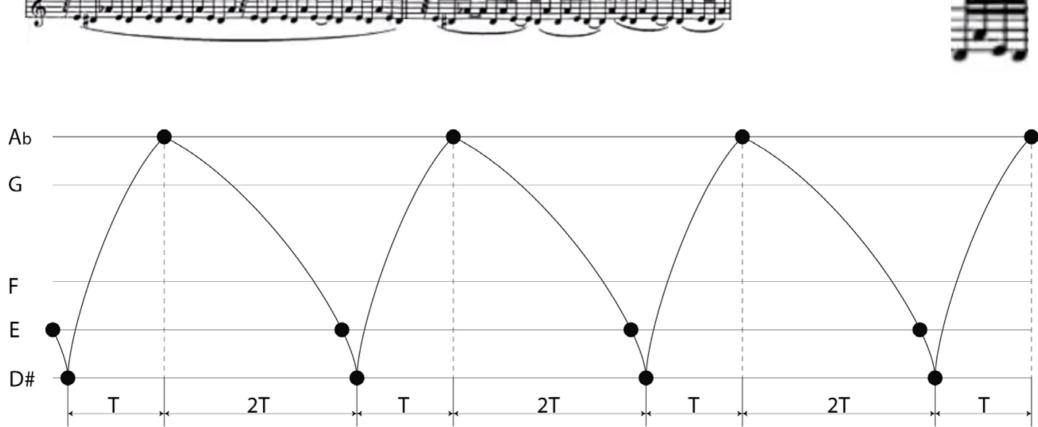
A Concert Hall in Prague

Professor: Steven Holl, Dimitra Tsachrelia

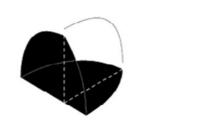
Collaborator: Ziyue Wang

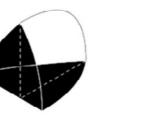
# MIRROR IN THE MIRROR

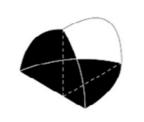


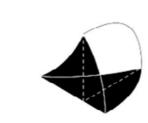


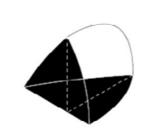
## TRIAD SEQUENCE

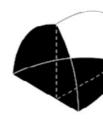


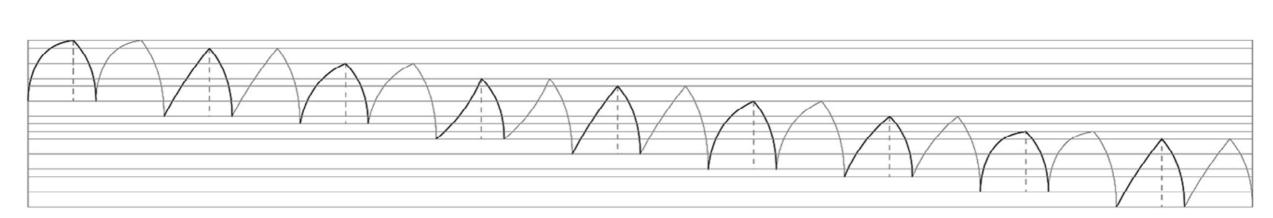




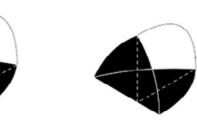




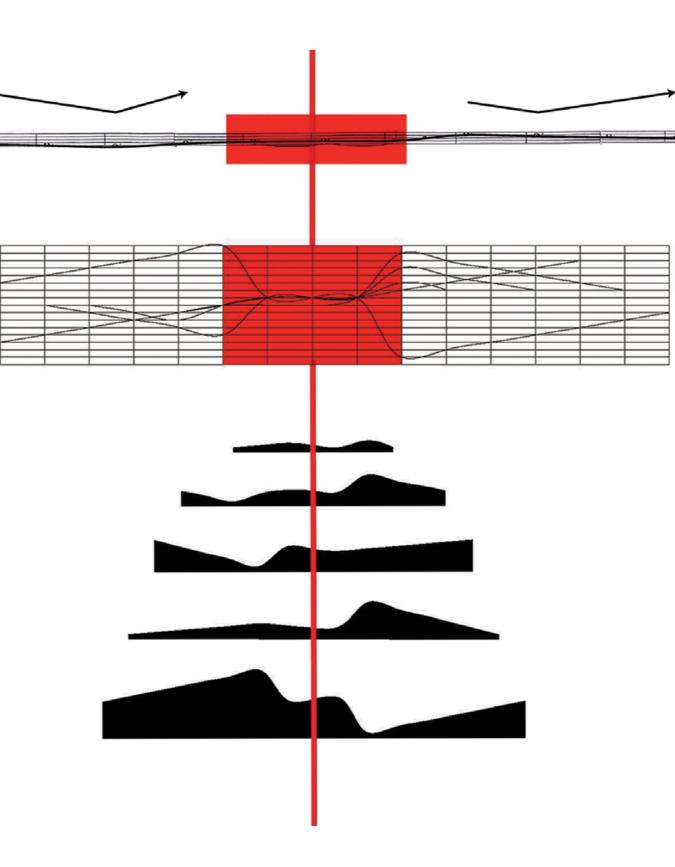




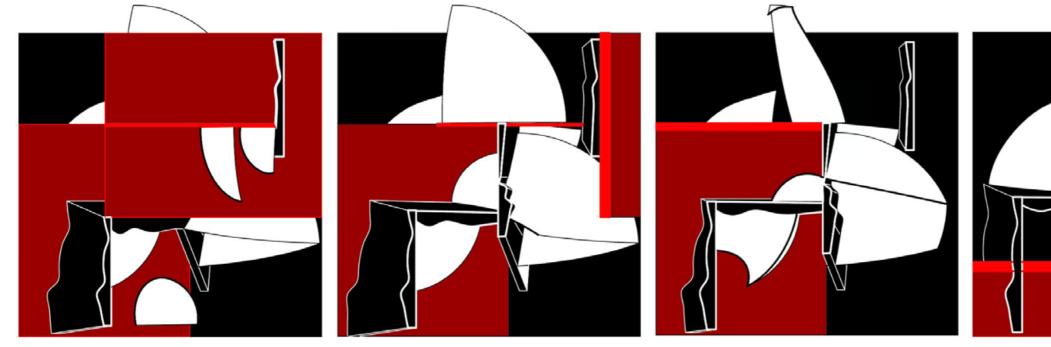


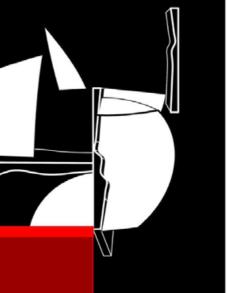


#### MELODY TRANSFORMATION

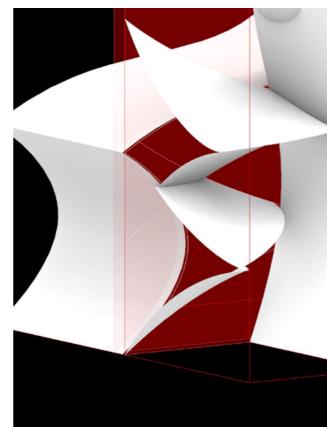


#### CONCEPTUAL PLAN



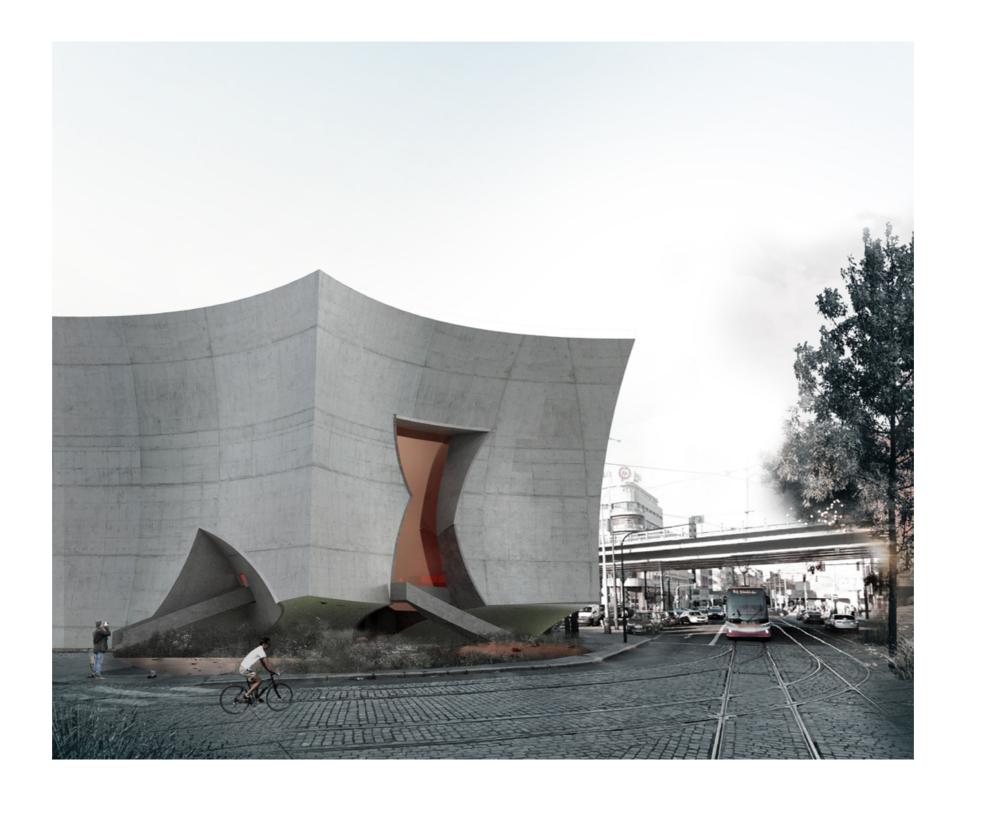




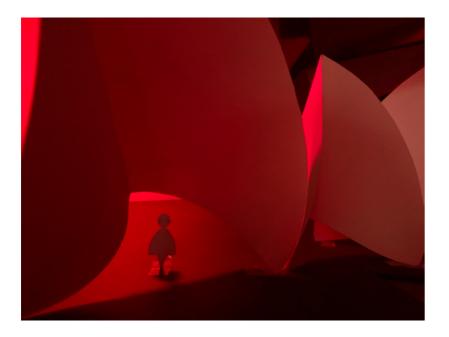


#### SPATIAL STUDY







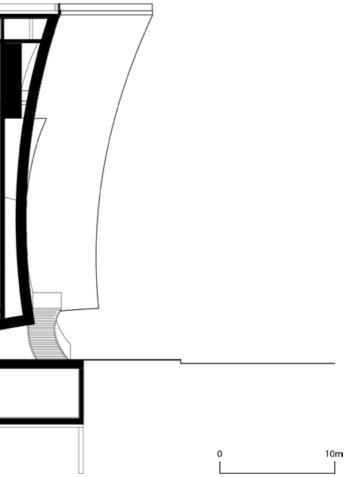


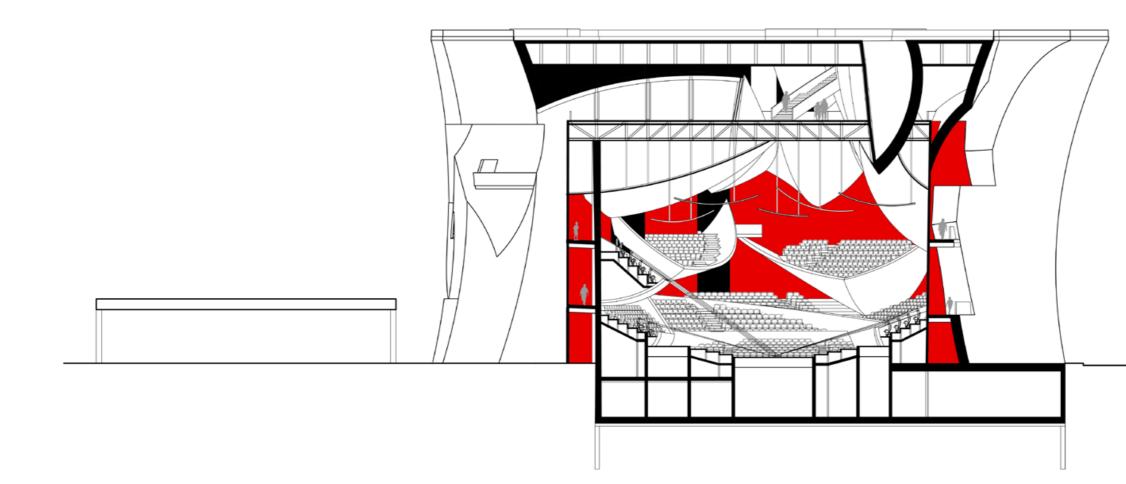




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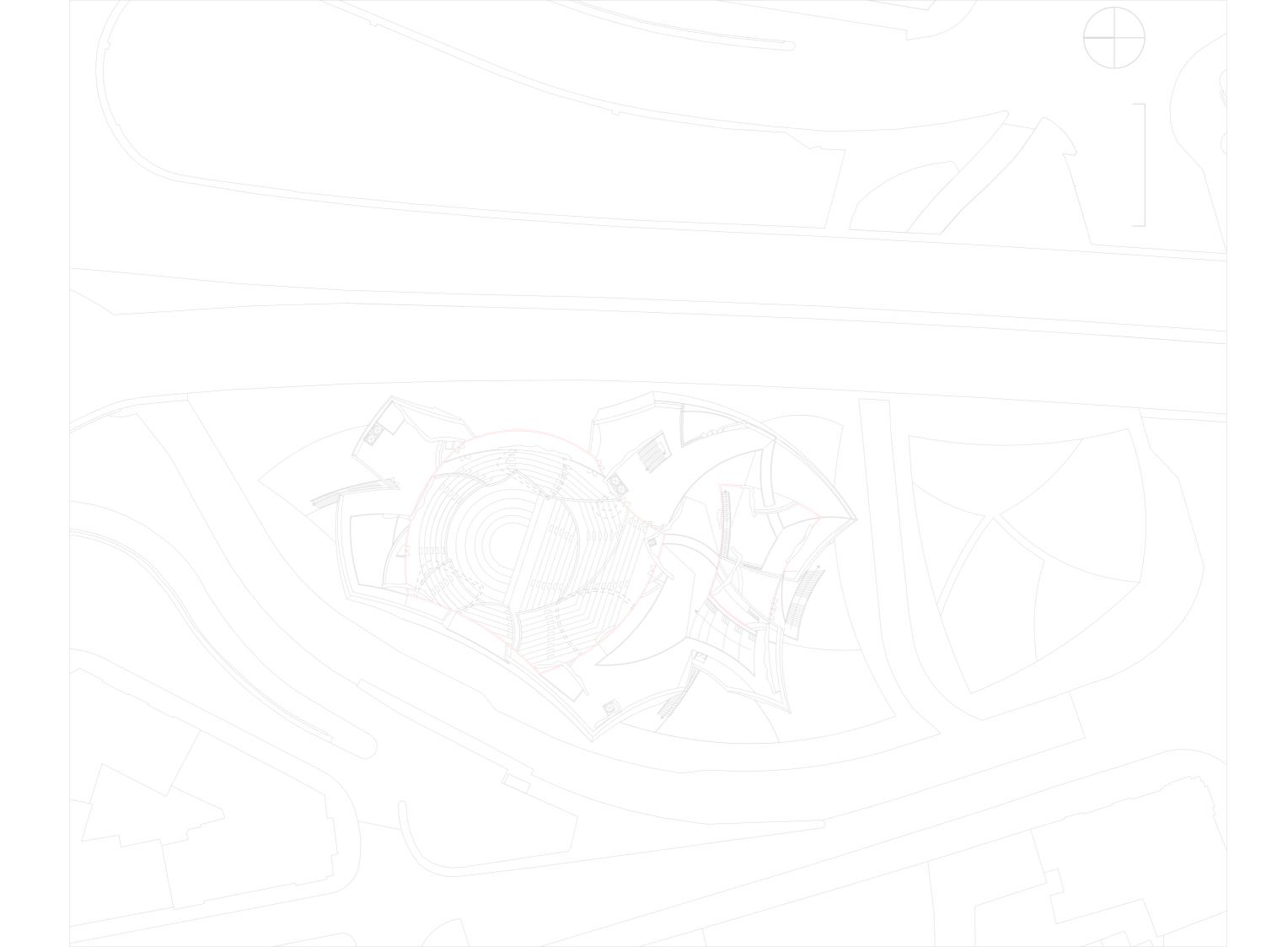
#### NORTH-SOUTH SECTION



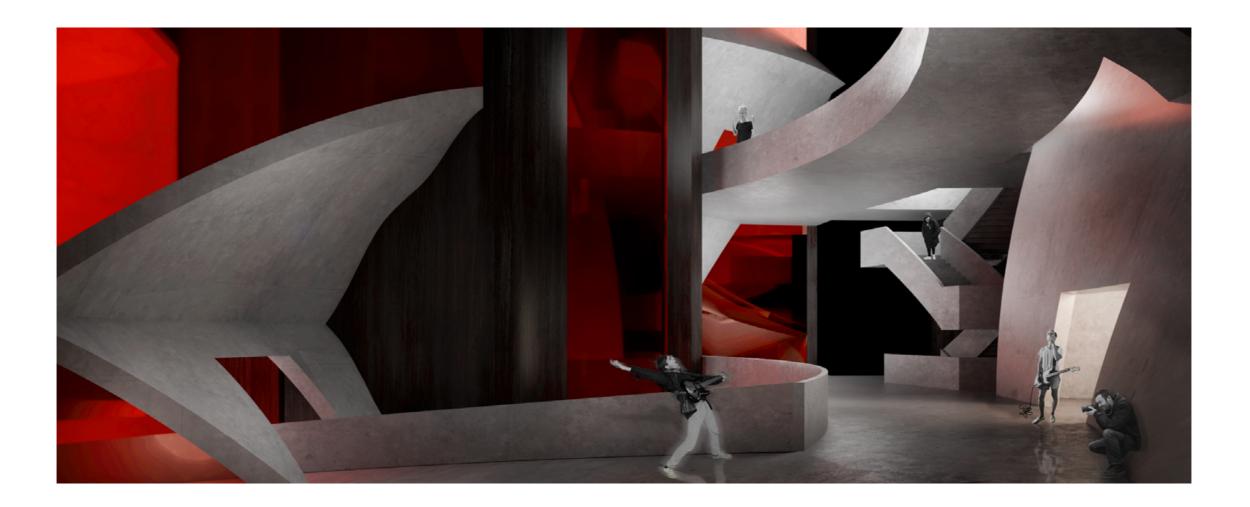


#### EAST-WEST SECTION

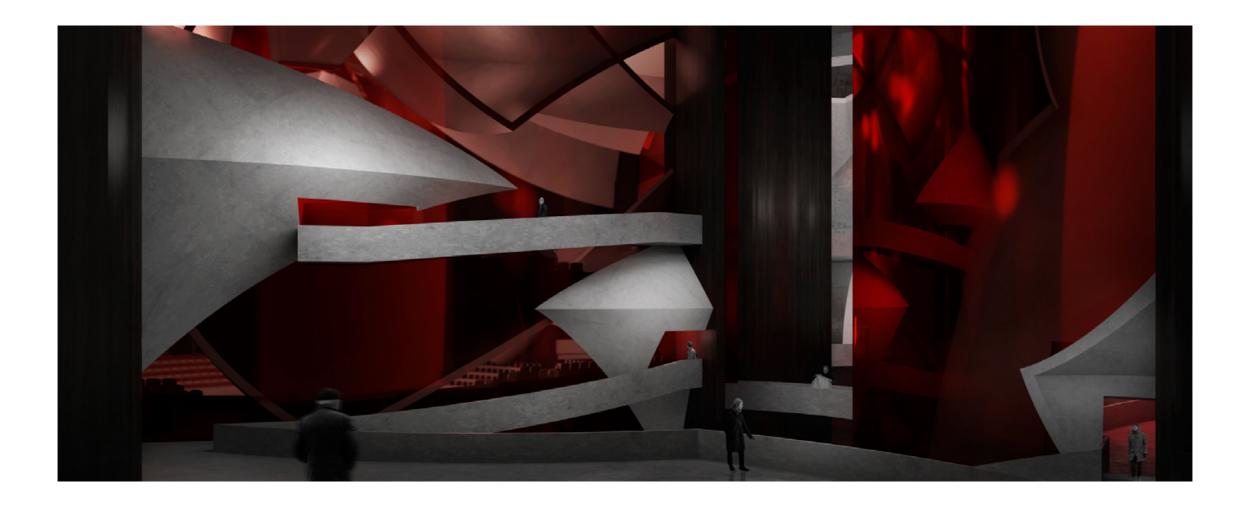








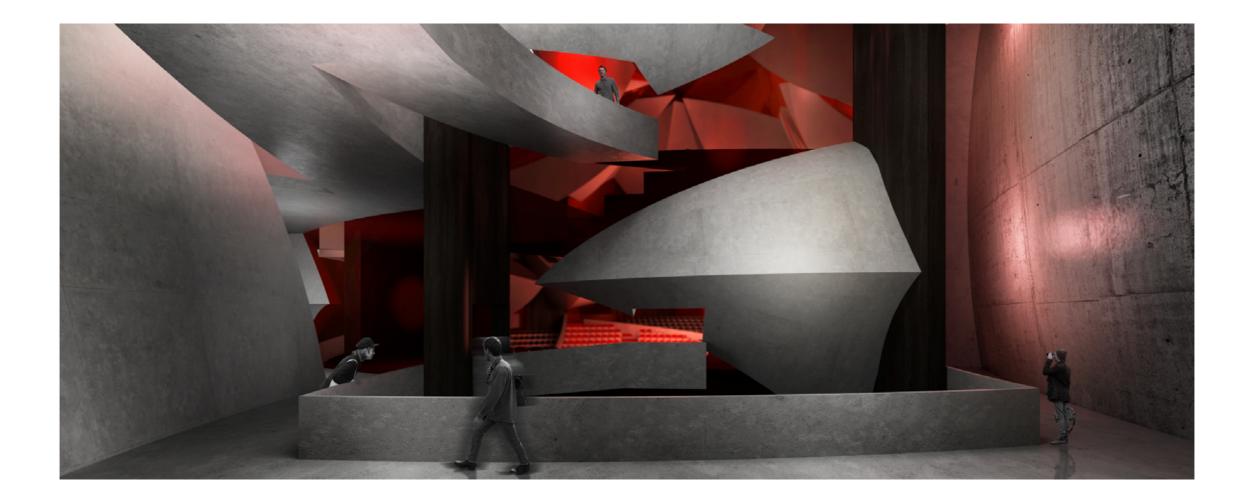
## INTERIOR



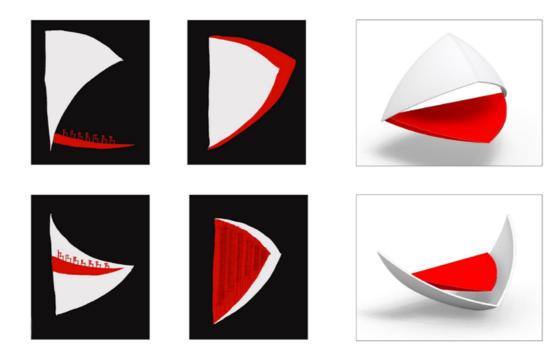
INTERIOR

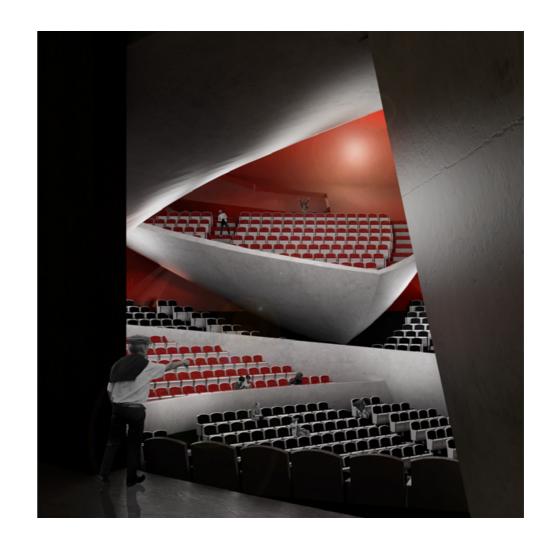


INTERIOR

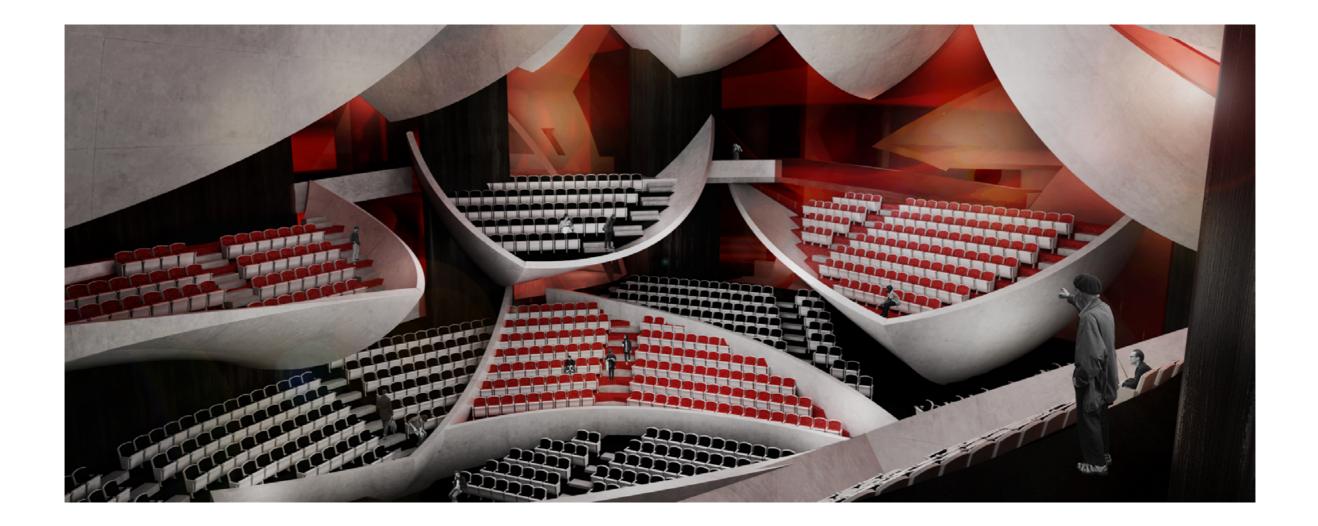


INTERIOR

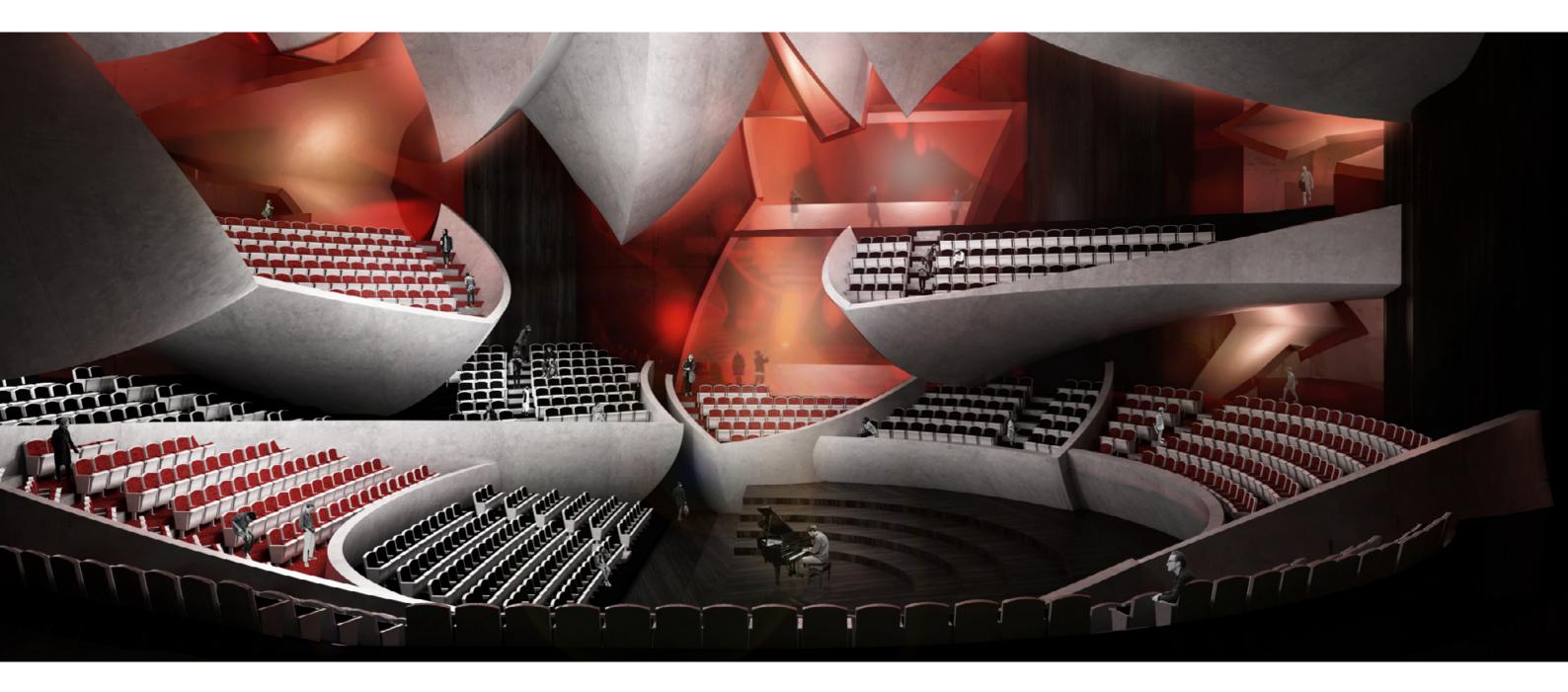




#### SEATING CONCEPT



CONCERT HALL

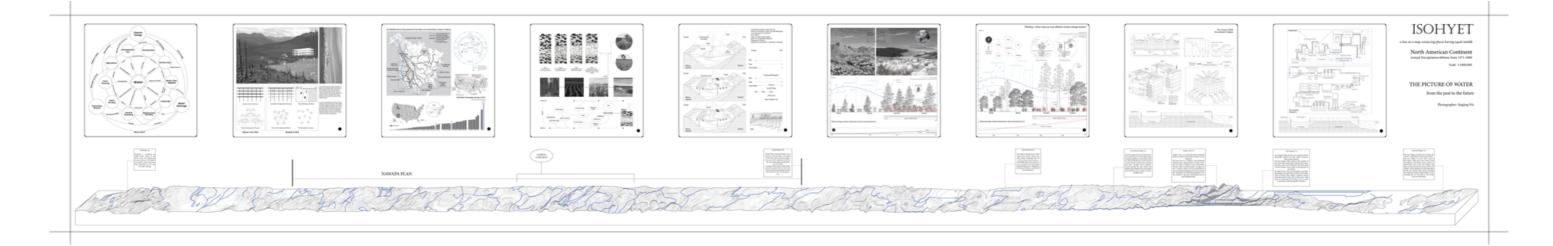


CONCERT HALL

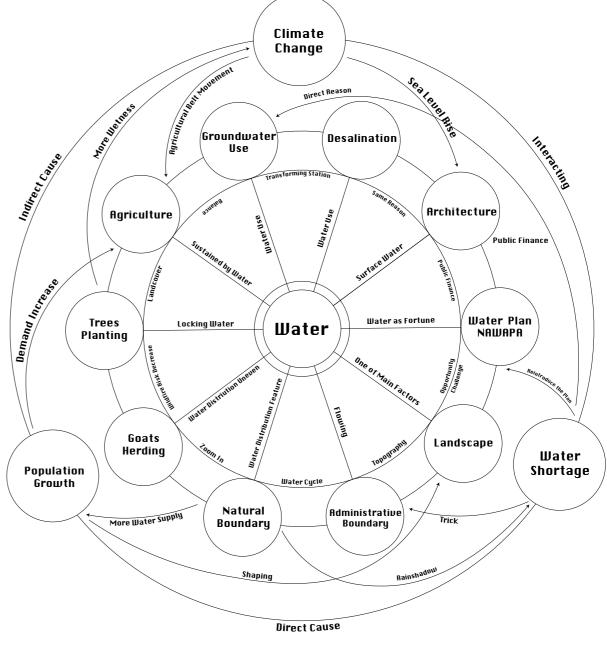
## ISOHYET

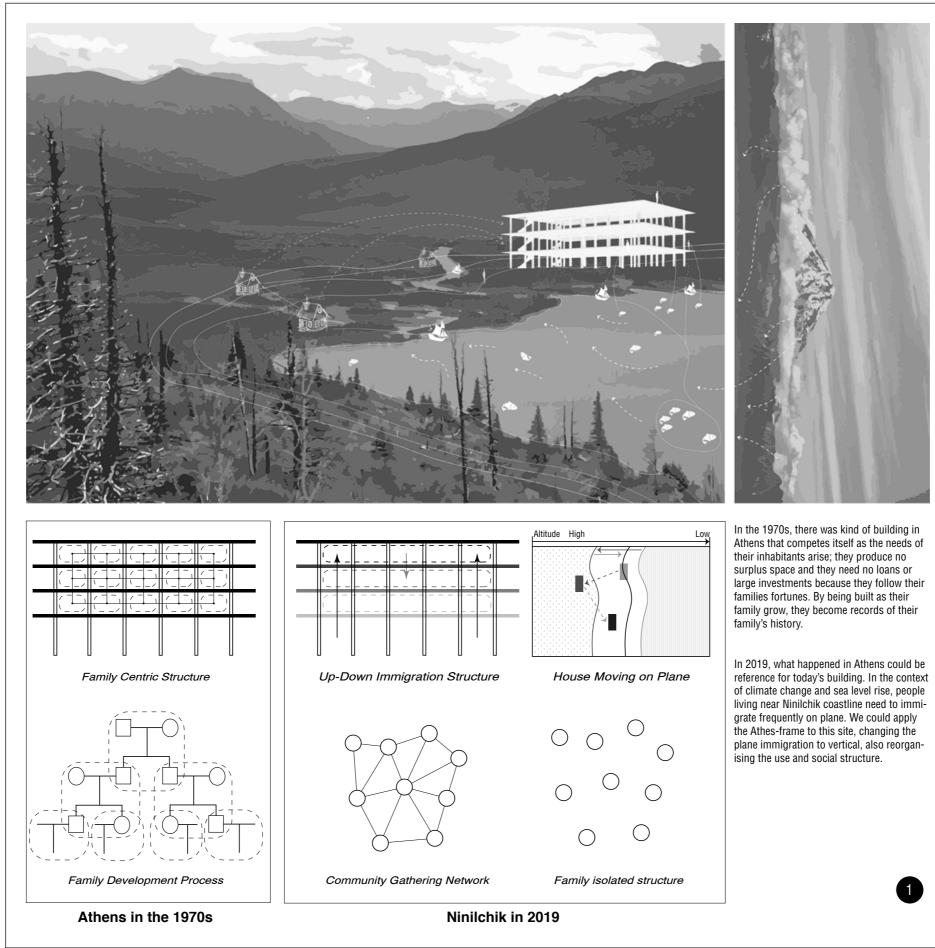
03 ADV ARCH STUDIO

Professor: Marco Ferrari



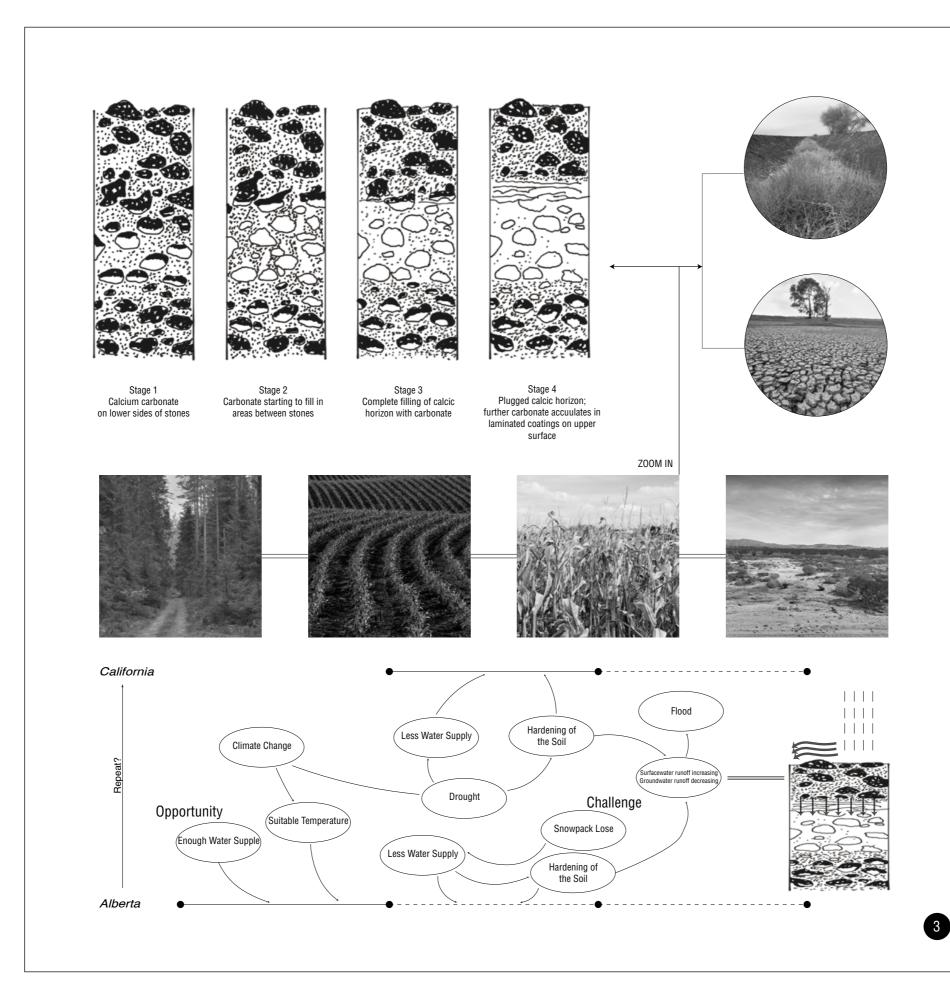
Water covers 71% of the earth's surface, playing an important role in sustaining the world. In the dynamic water cycle, water shows as different forms—cloud, rain, river and vapor. It is closely related with human activities, functioning differently in both visible and invisible way. In the context of global warming and water shortage, it is basic to speculate how water will affect the world. In my scenarios, water, the main character, shape the world with architecture, landscape, plants, animal and infrastructure as mediums. Besides, it also functions in immaterial networks, leading to redistribution of source and economy. Water is not just material. Water is power.



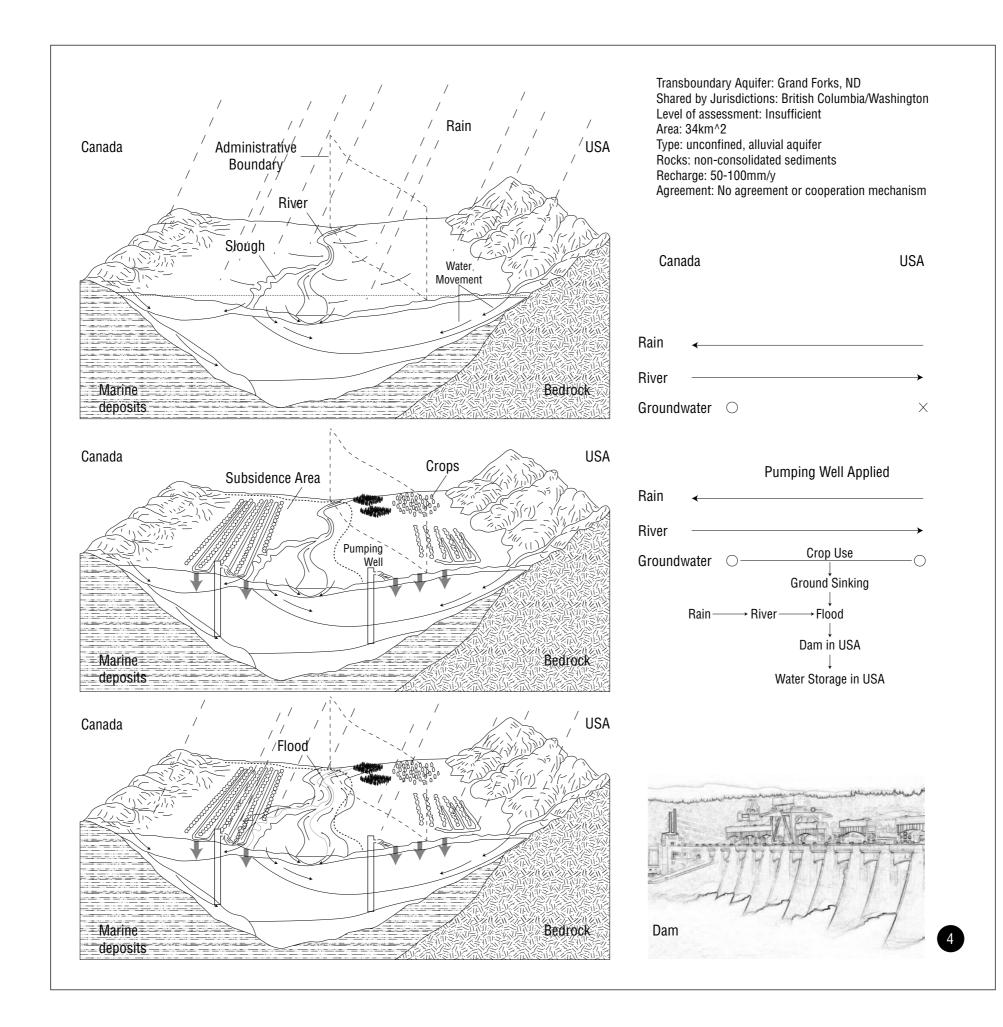


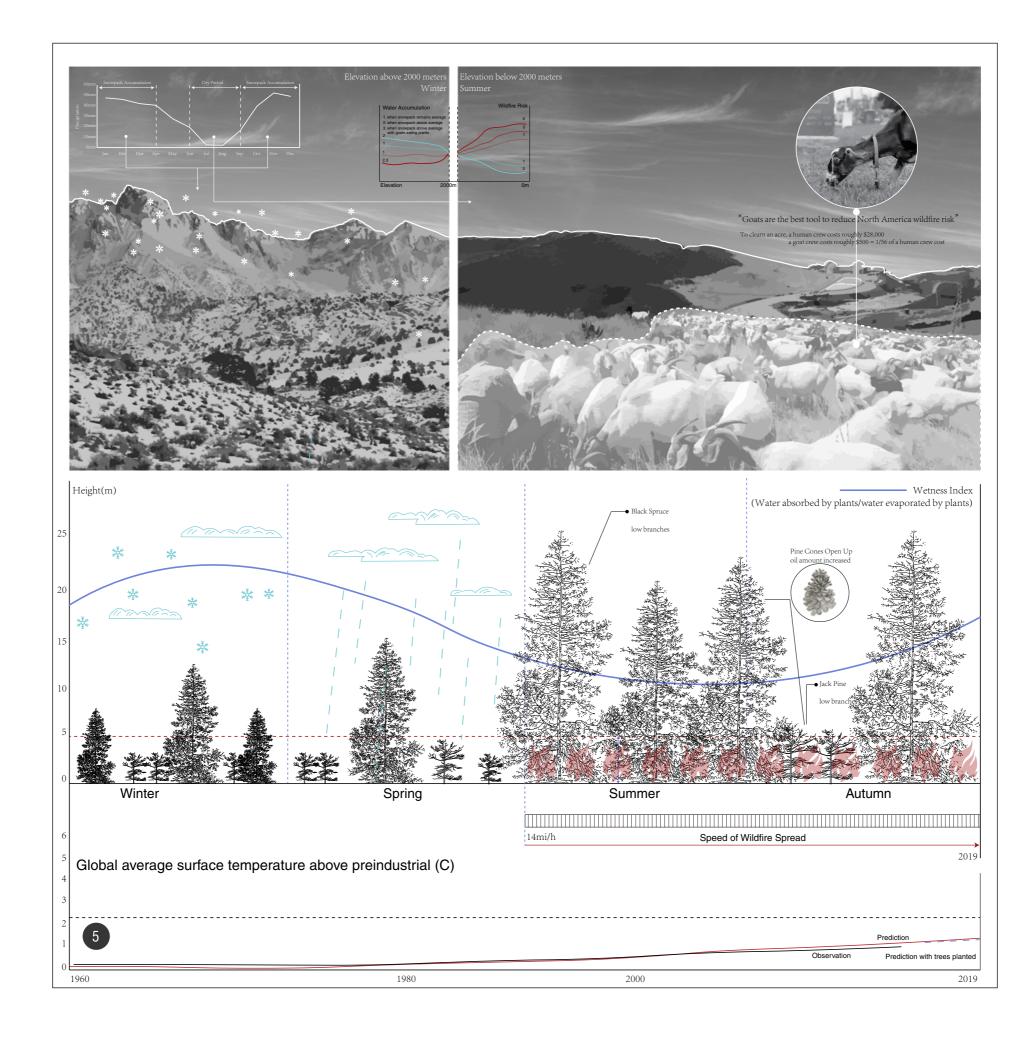


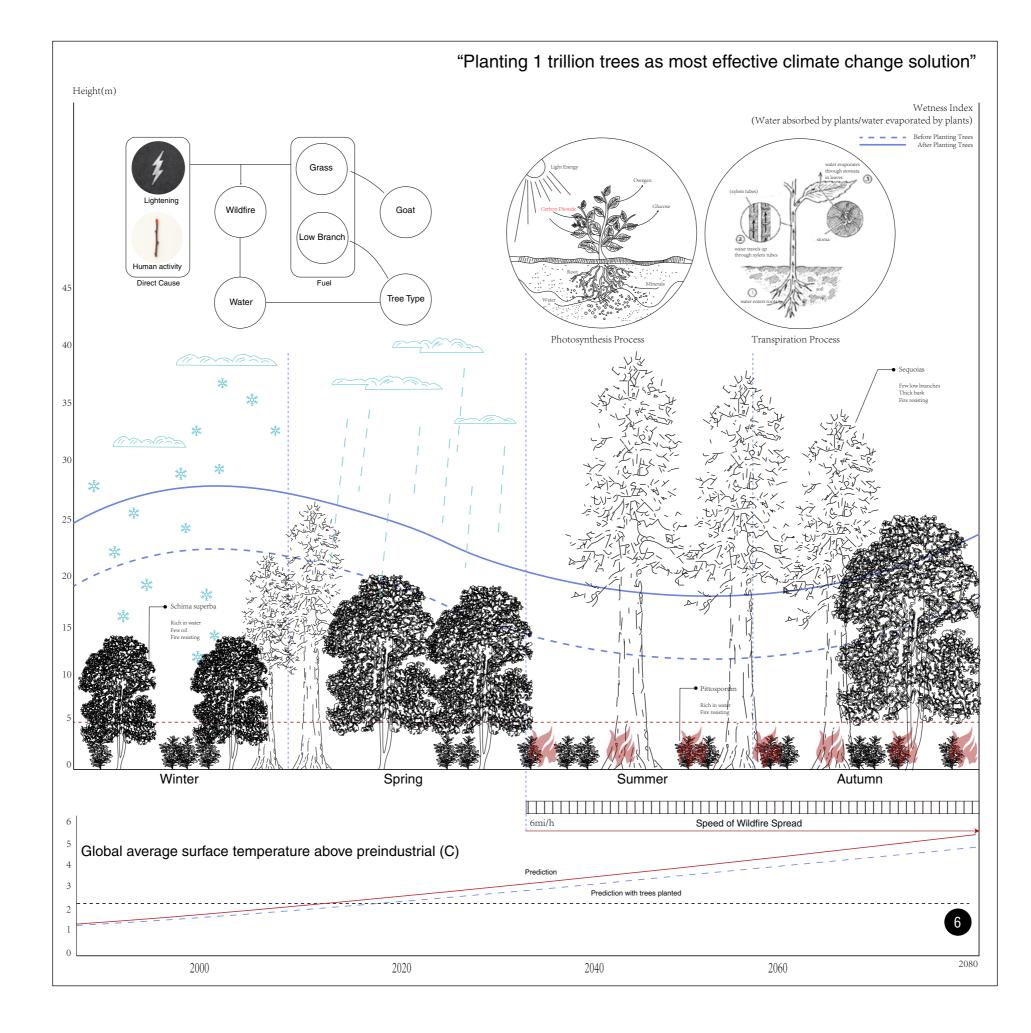


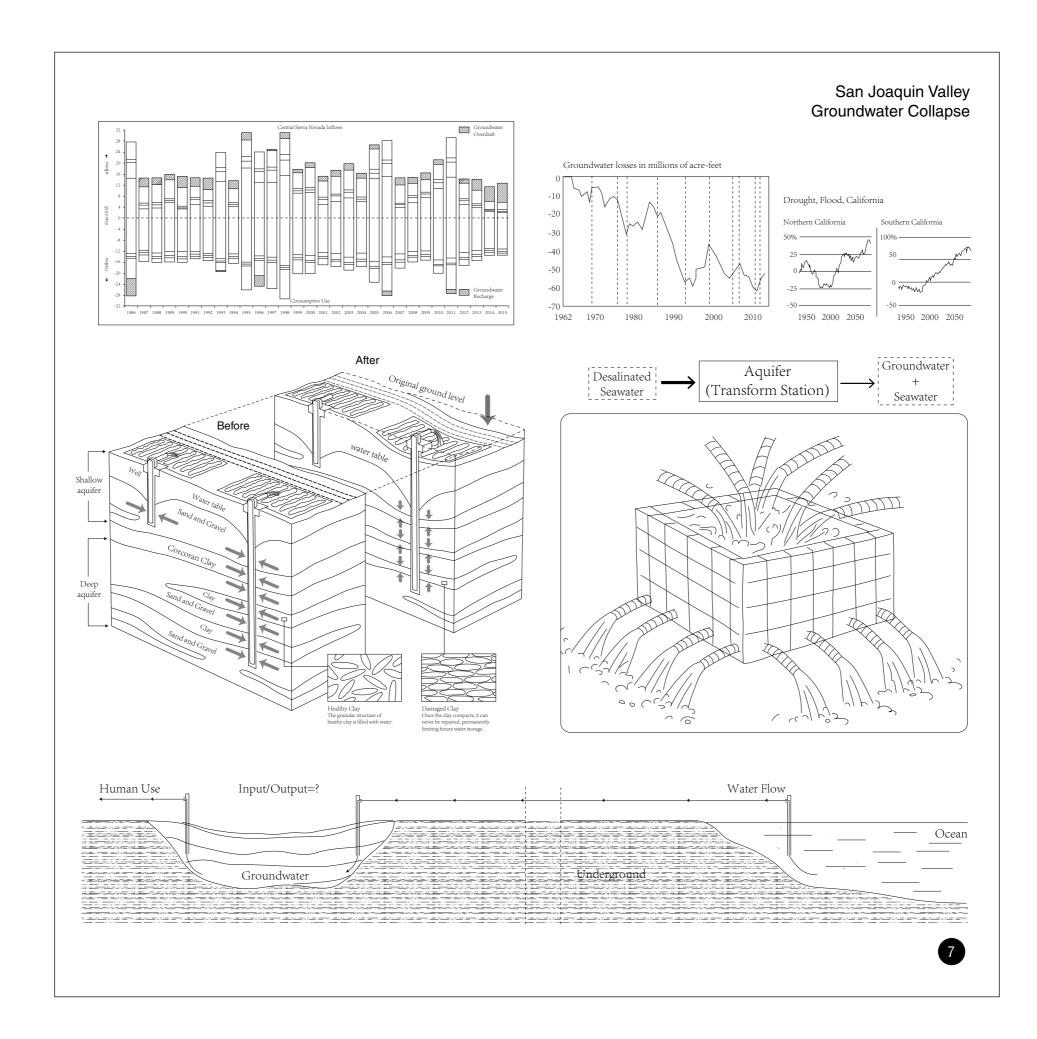


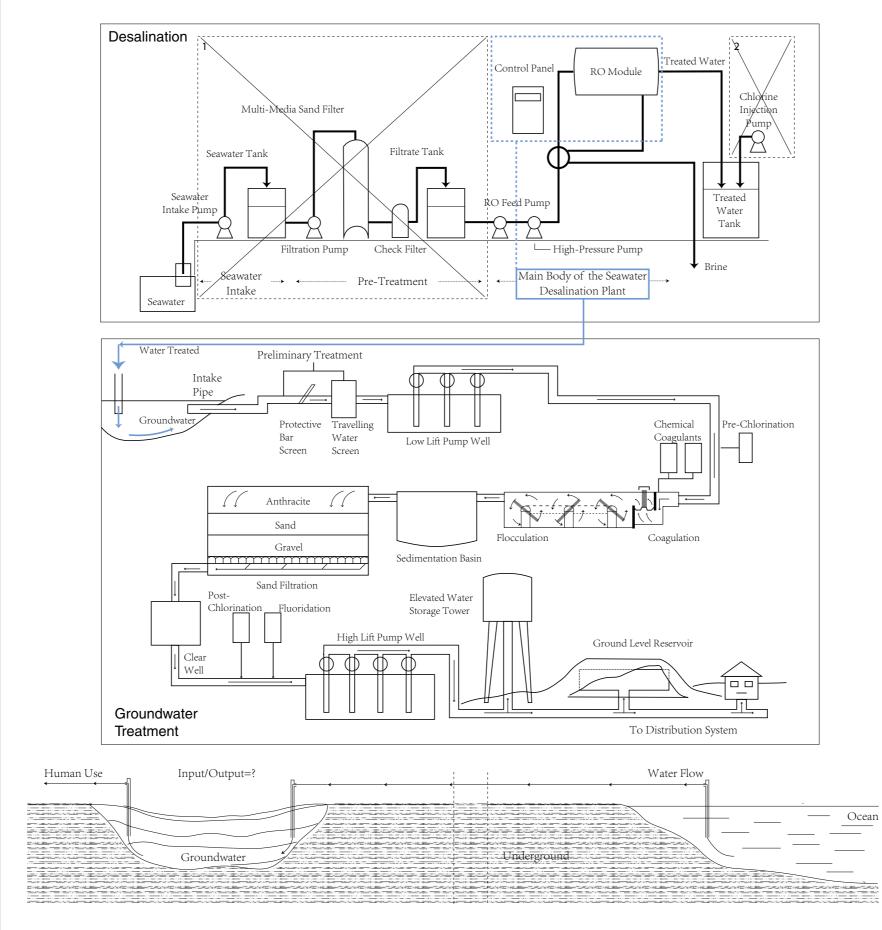




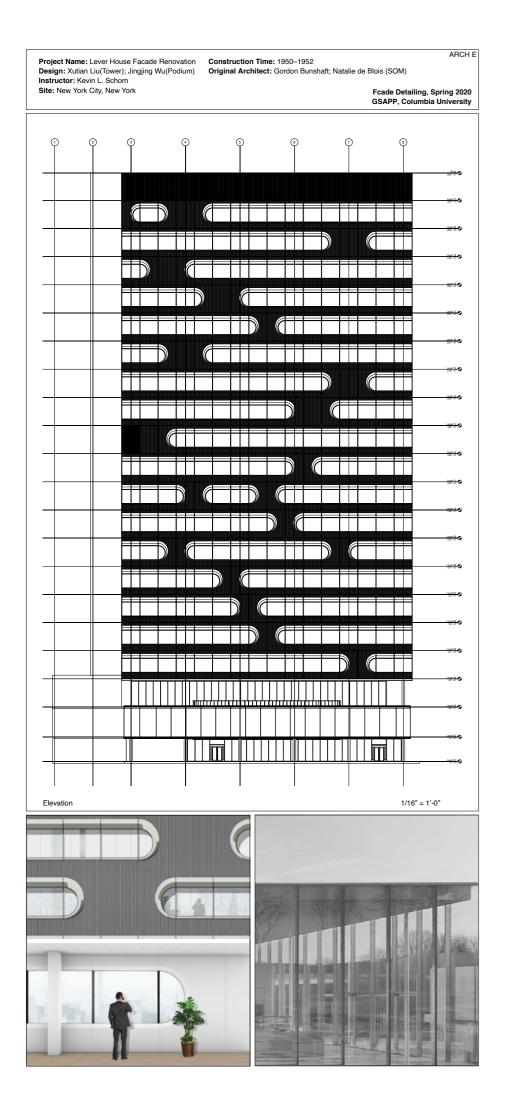


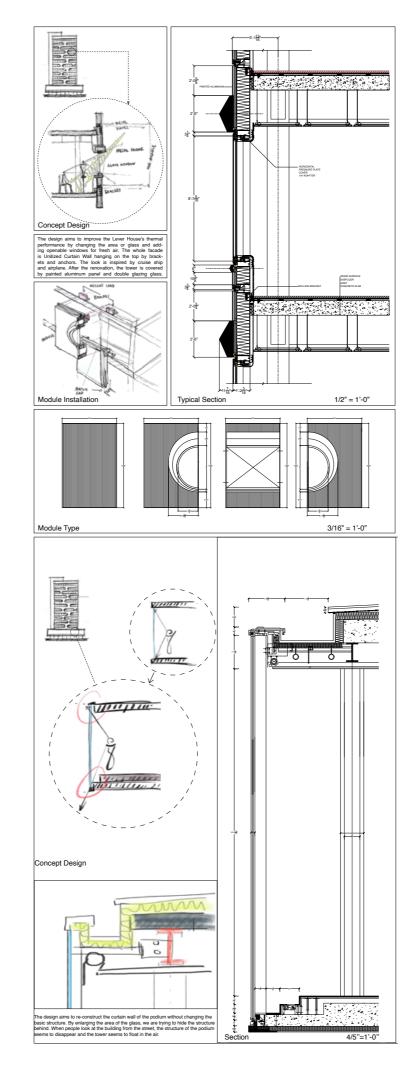












## Lever House Facade Renovation

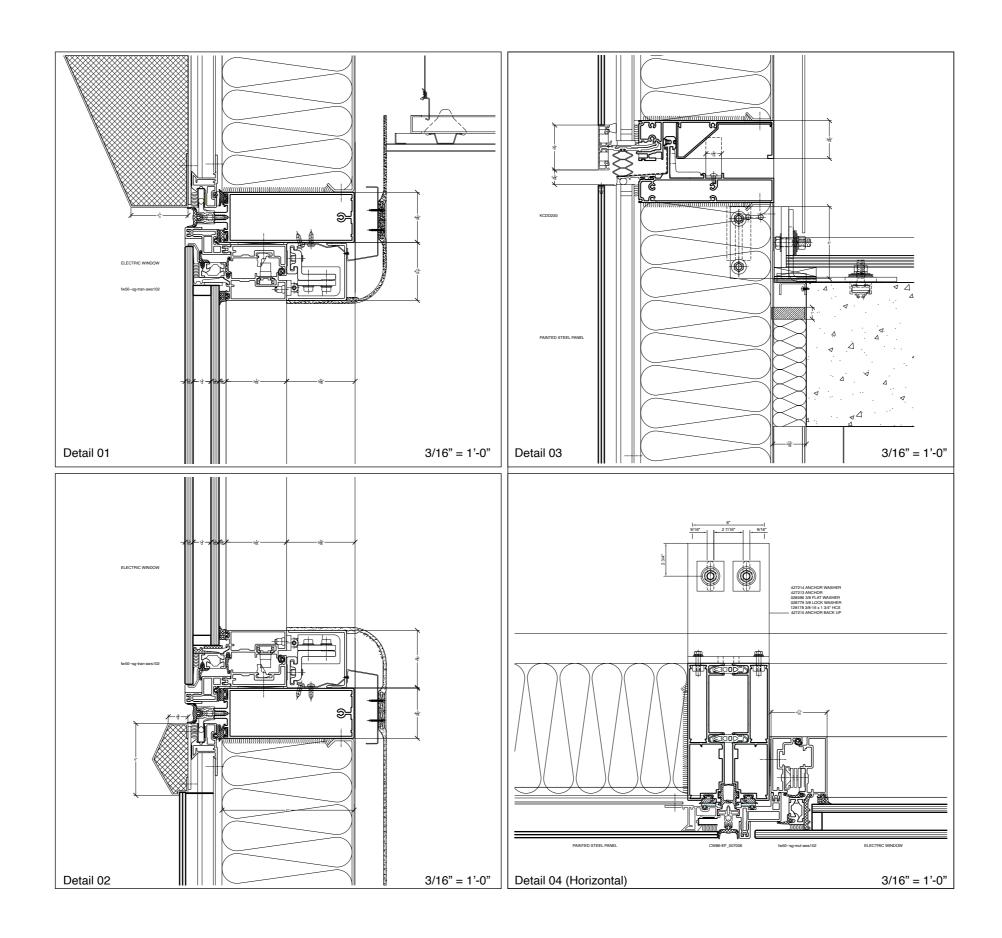
04

ARCH A4444\_FACADE DETAILING

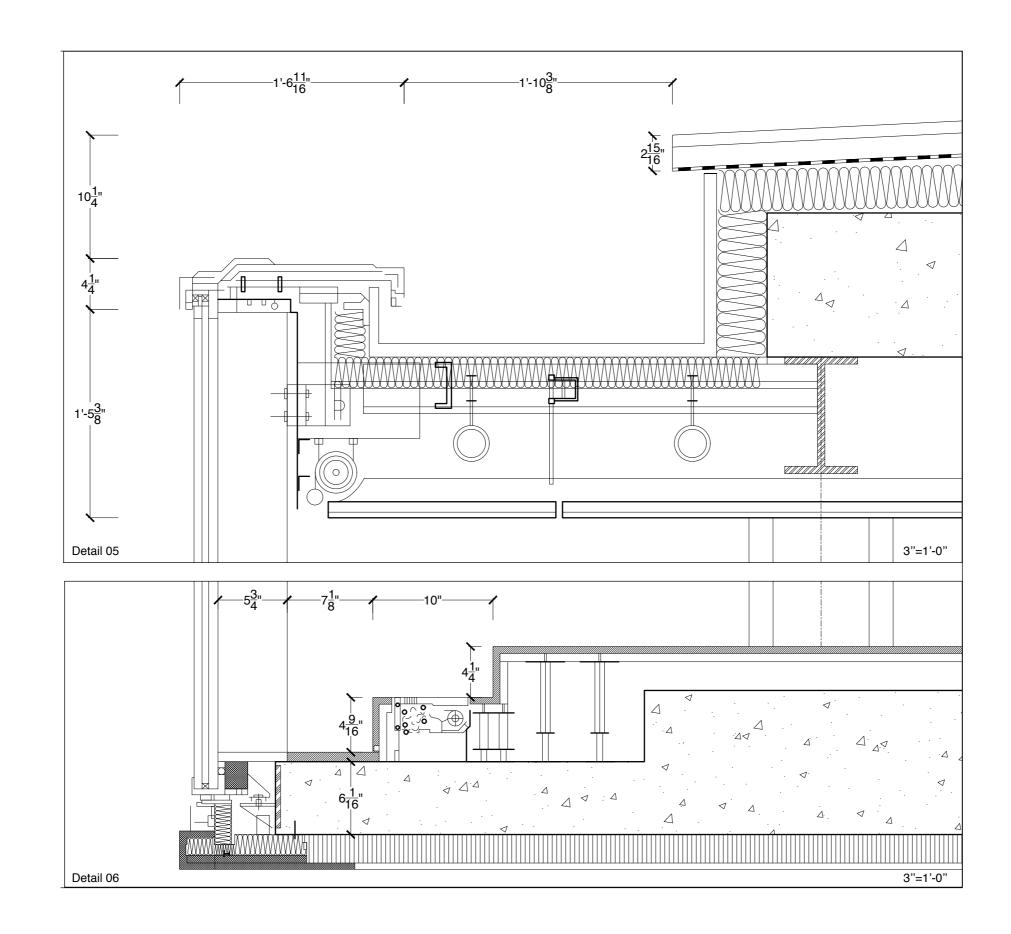
Professor: Kevin L. Schorn

Collaborator: Xutian Liu

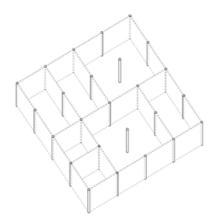
#### DETAIL DRAWING OF TOWER



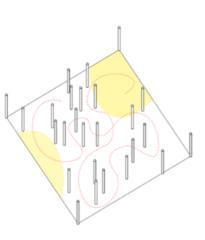
### DETAIL DRAWING OF PODIUM



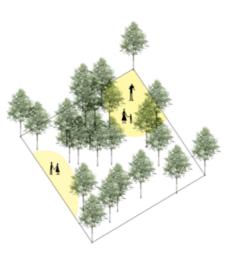
## Forest-like Room



Regular Column-Grid Frame



Aim: Irregular-Arranged Columns



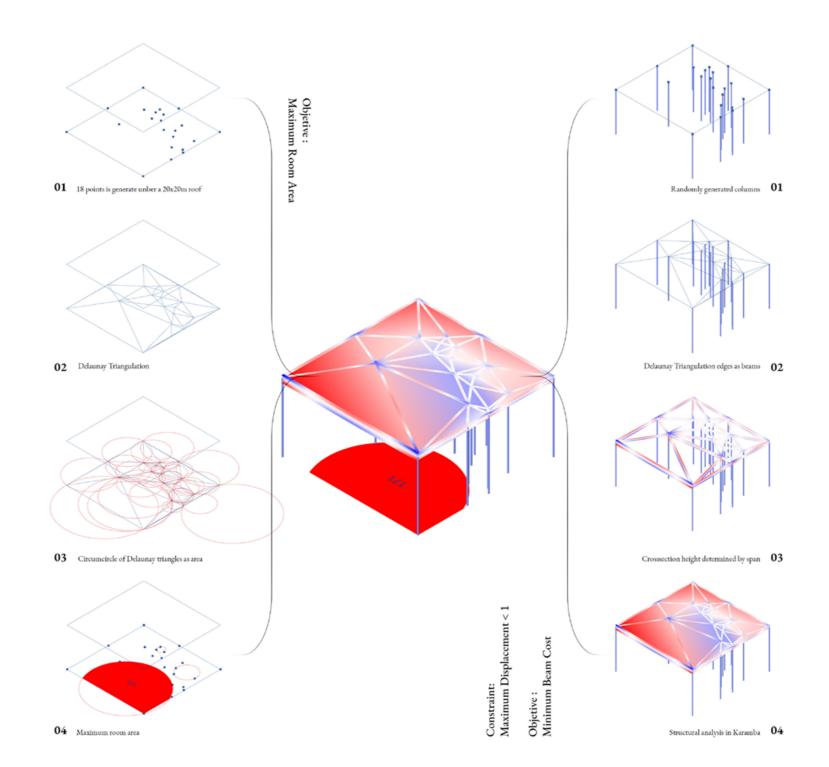
Metaphor: Forest-like Space

0<u>5</u>

Professor: Danil Nagy

Collaborator: Jingyuan Zhang, Wei Wang

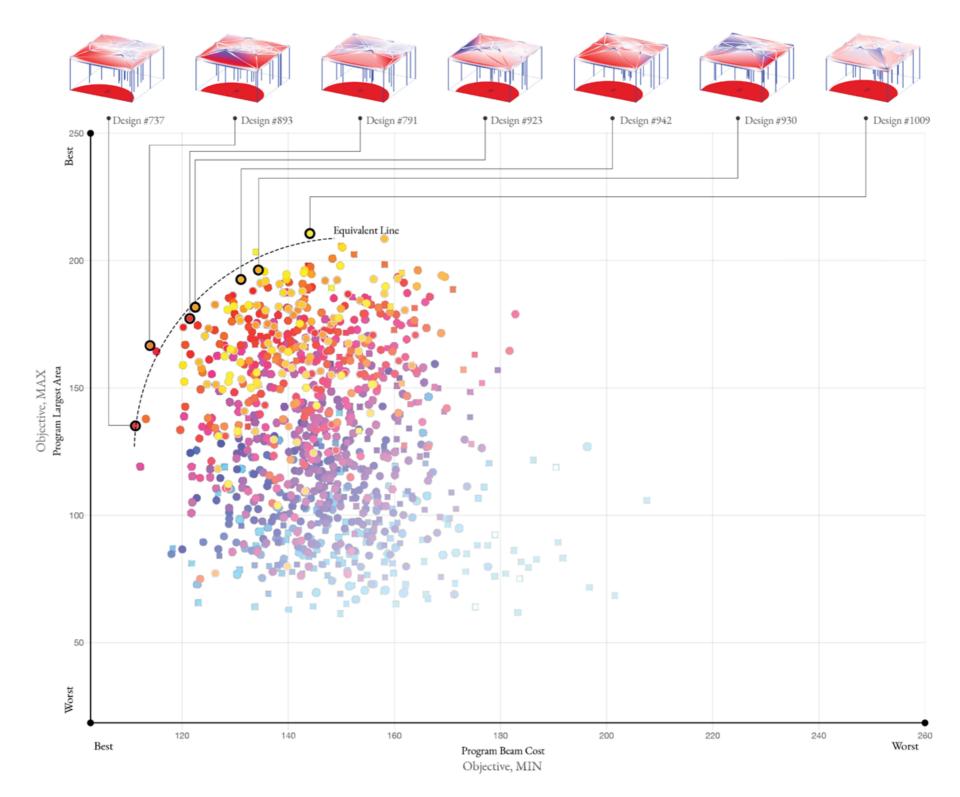
#### ARCH A4845\_GENERATIVE DESIGN



CONSTRAINT

## OBJECTIVE

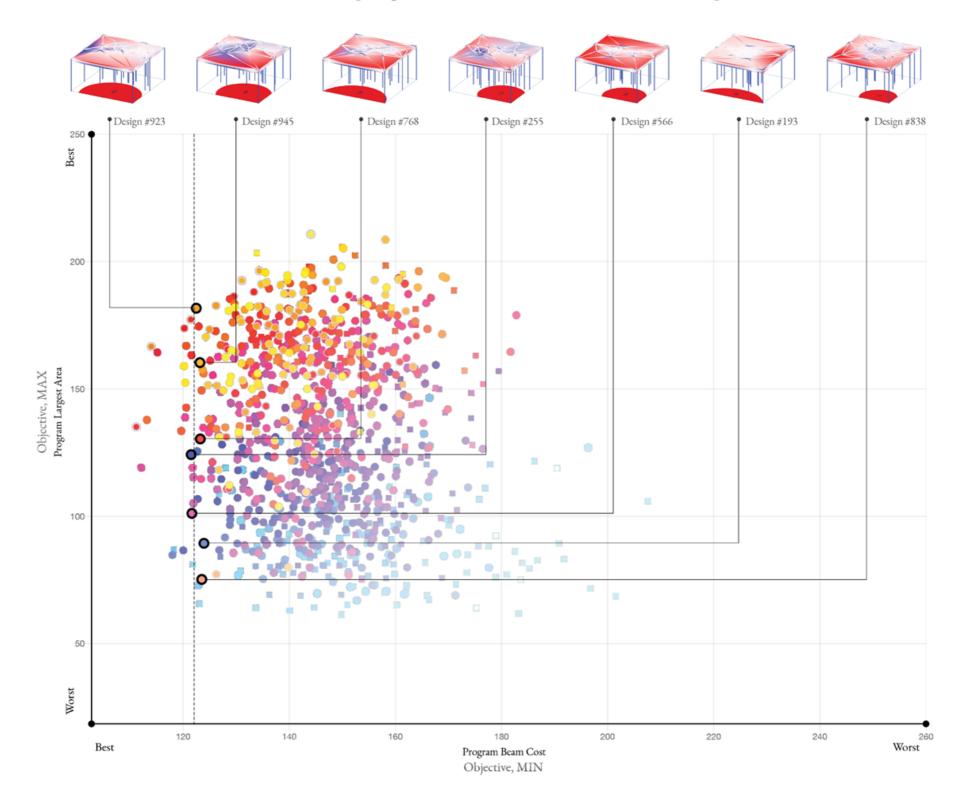
## MODEL PERFORMANCE [Largest Area VS Beam Cost]



OBJECTIVE \*2 //Largrest Area & Beam Cost

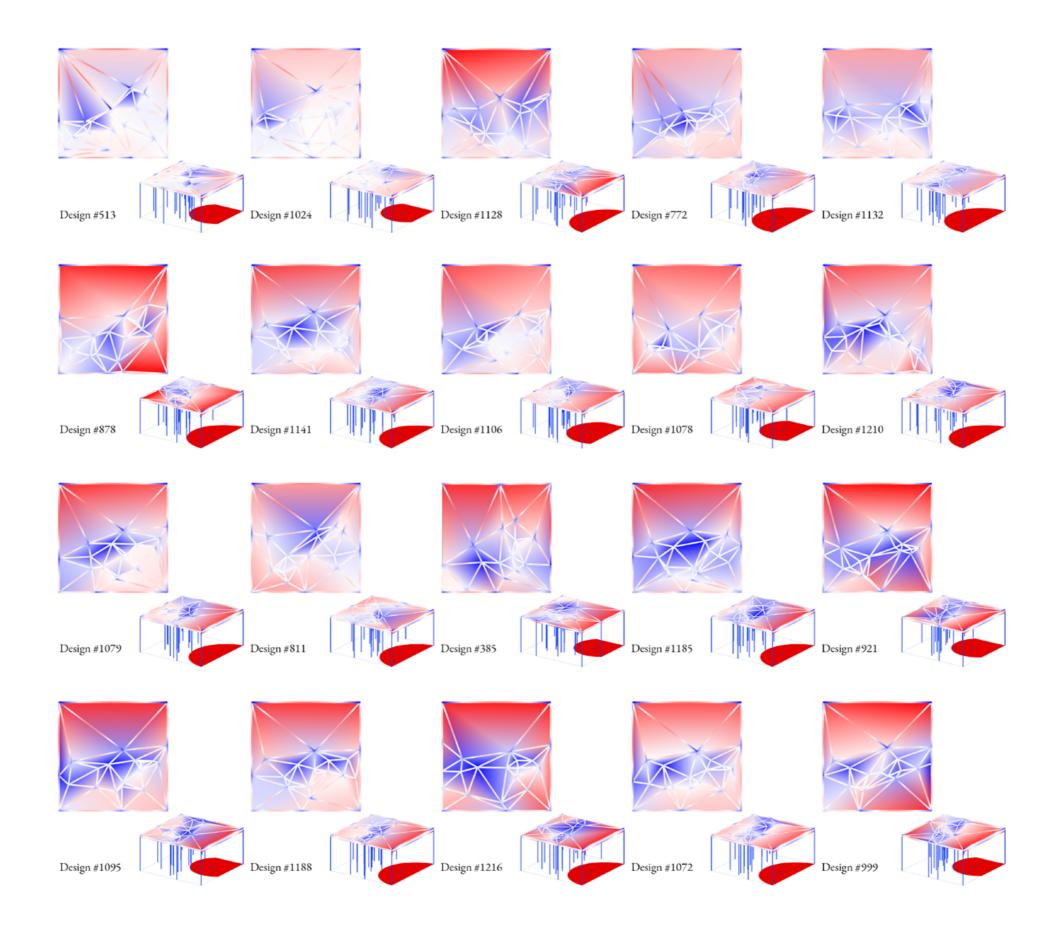


## **MODEL PERFORMANCE** [Largest Area based on similar beam cost]



OBJECTIVE \*1 //Largest Area





OBJECTIVE \*1 //20 Best Designs in terms of Beam Setting



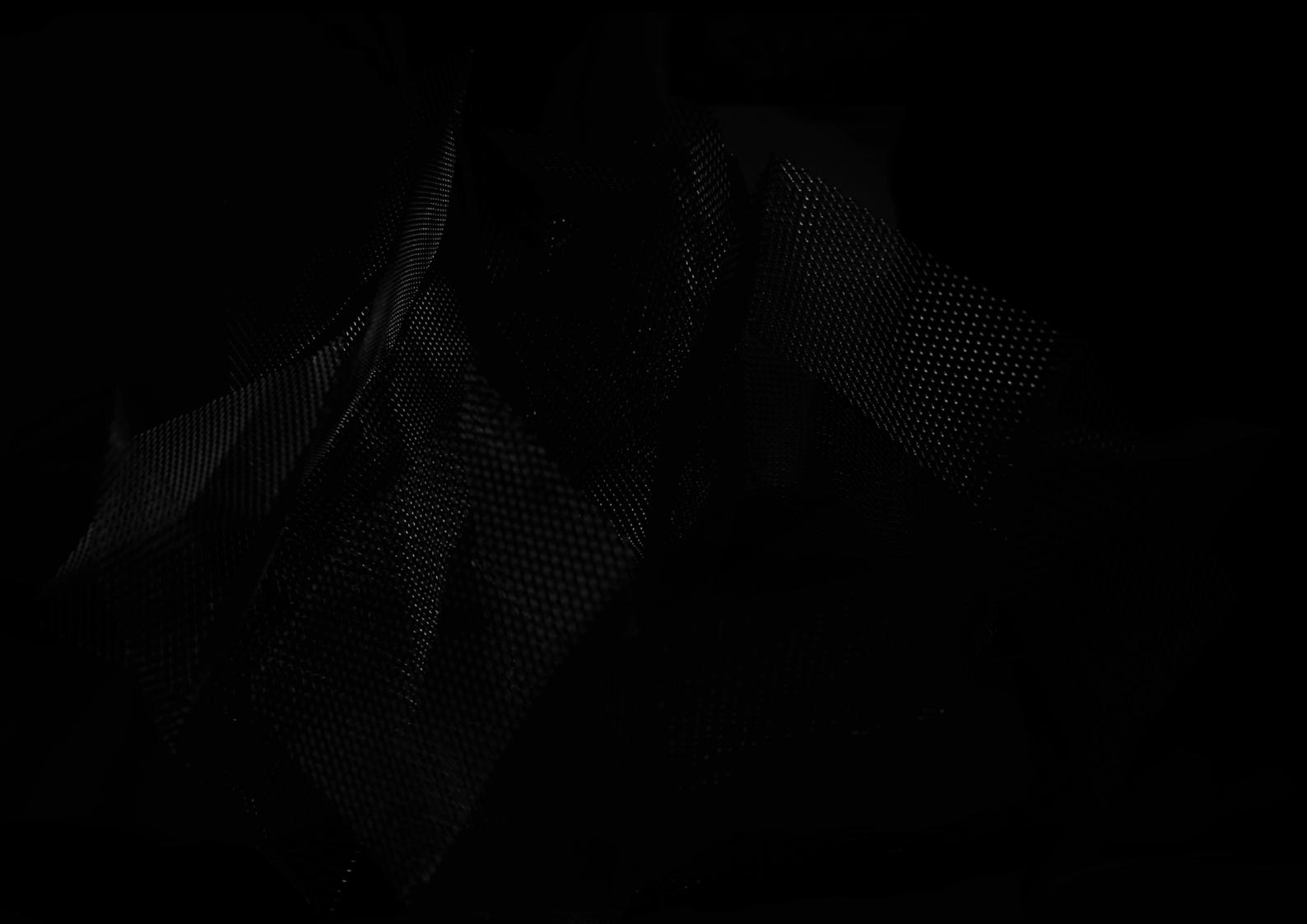




Professor: Christoph Kumpusch

ARCH  $A_{4}8_{\overline{3}}2$ \_LINES NOT SPLINES









# The Journey Ends Here.

2020=05=10