

**ARCH1101** LOWE

**THE STAIR**

# THE STAIR

TODAY IN STUDIO  
STAIRS  
STUDENT WORK

# TODAY IN STUDIO

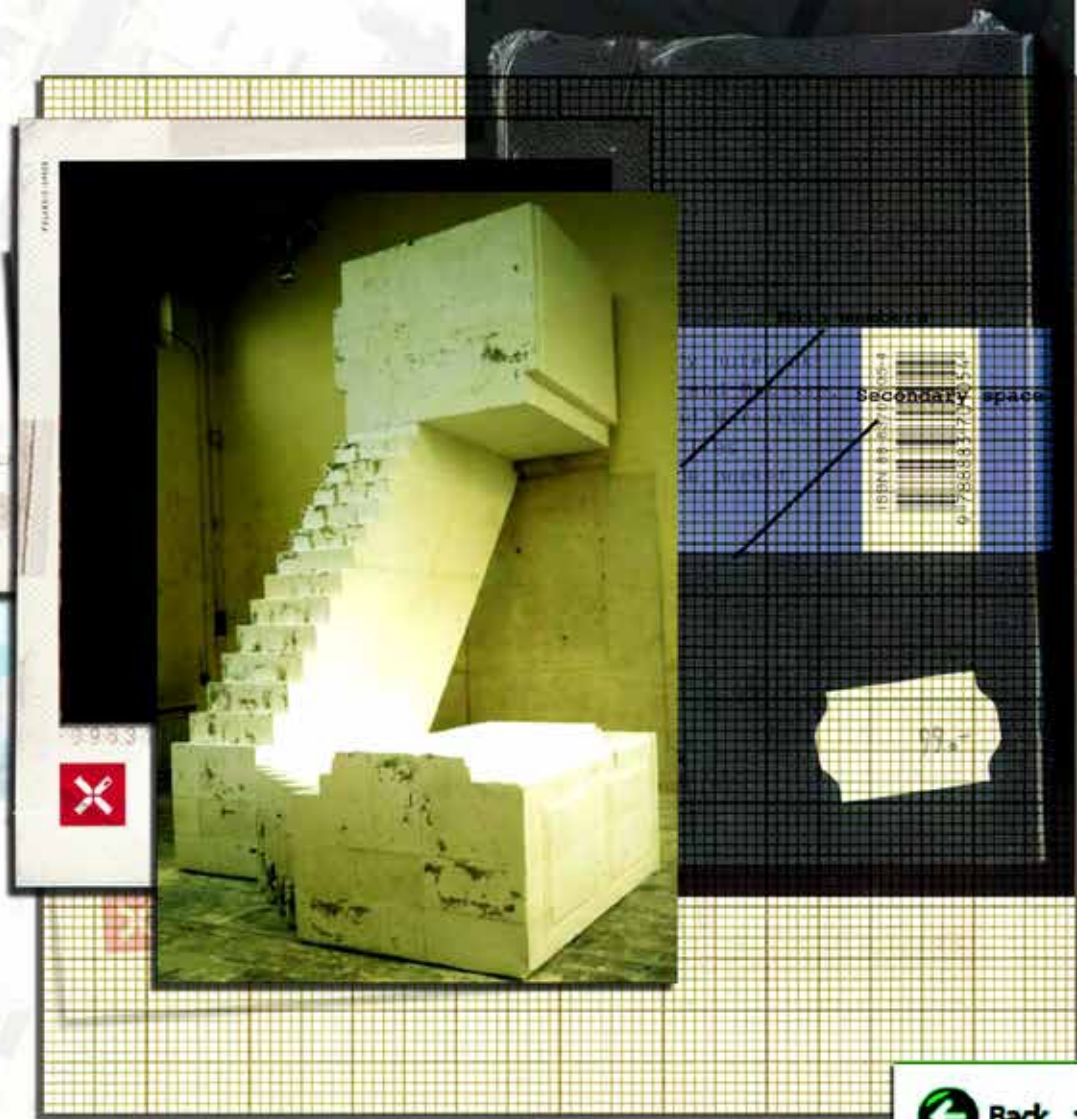
**Note:** Throughout the class students will be demonstrating modeling techniques using Sketchup.

- 1.** Using the scheme you developed in SketchUp (and inspired by the stairs shown in the lecture) design two sets of stairs; one that goes from the above ground studio down to the showroom space and a second that comes from the below ground studio up to the showroom space.
- 2.** Represent each stair with at least 2 sections. Keep all the notes, details and sections relating to each stair on one pair of facing pages. Or on two screens if you are using an iPhone, iPad or similar device.
- 3.** In consultation with your tutor take another one of the sections created in the first studio session and design two sets of stairs for that scheme. Represent each of these new stairs with at least 2 sections.

By the end of the studio session you will have at least 8 sections (representing 4 sets of stairs).



ANDREW BARRY



RACHAEL WHITEREAD

**LIGHT STAIRS**















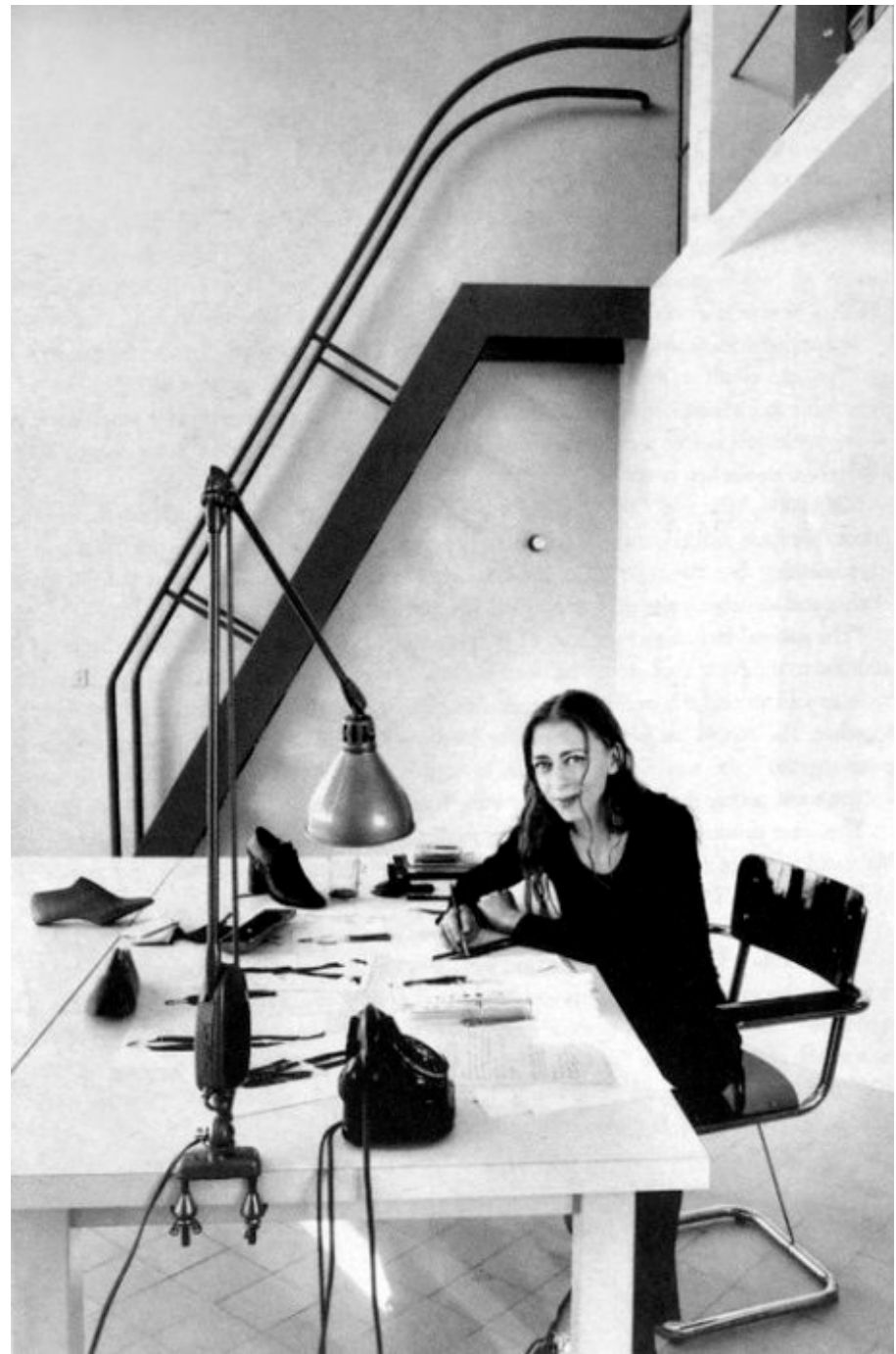




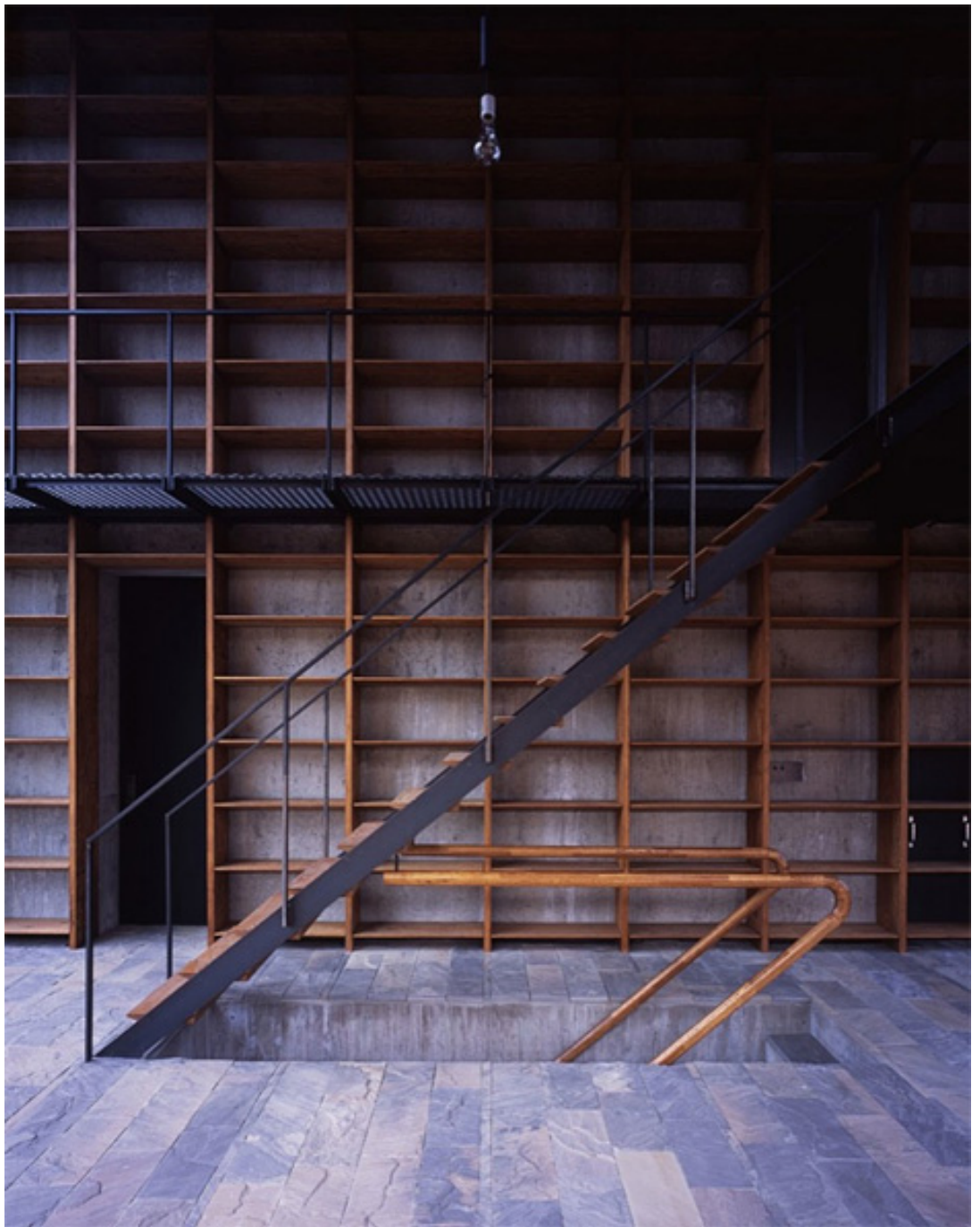
CENTRE POMPIDOU, PARIS

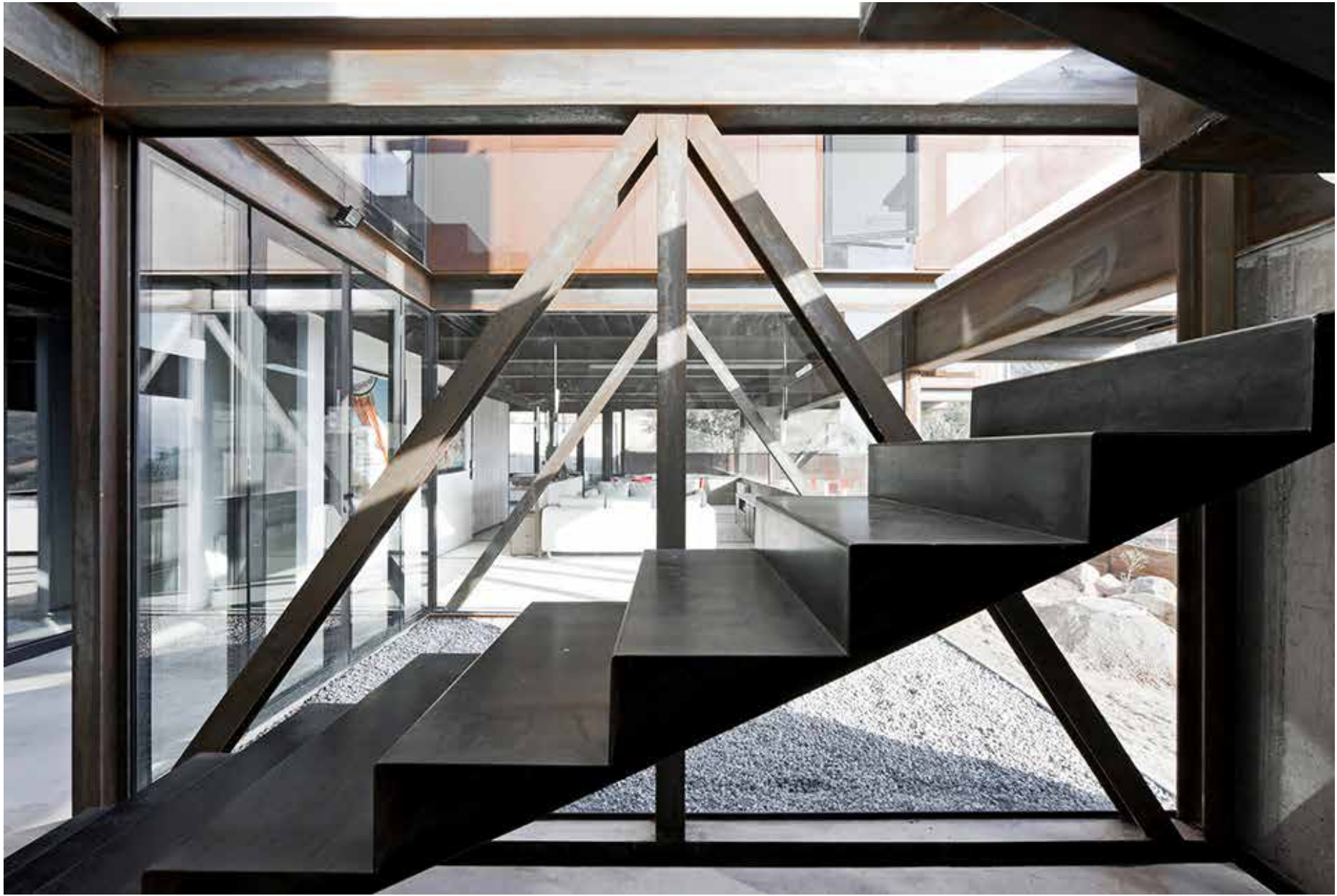


VILLA VPRO, MVRDV















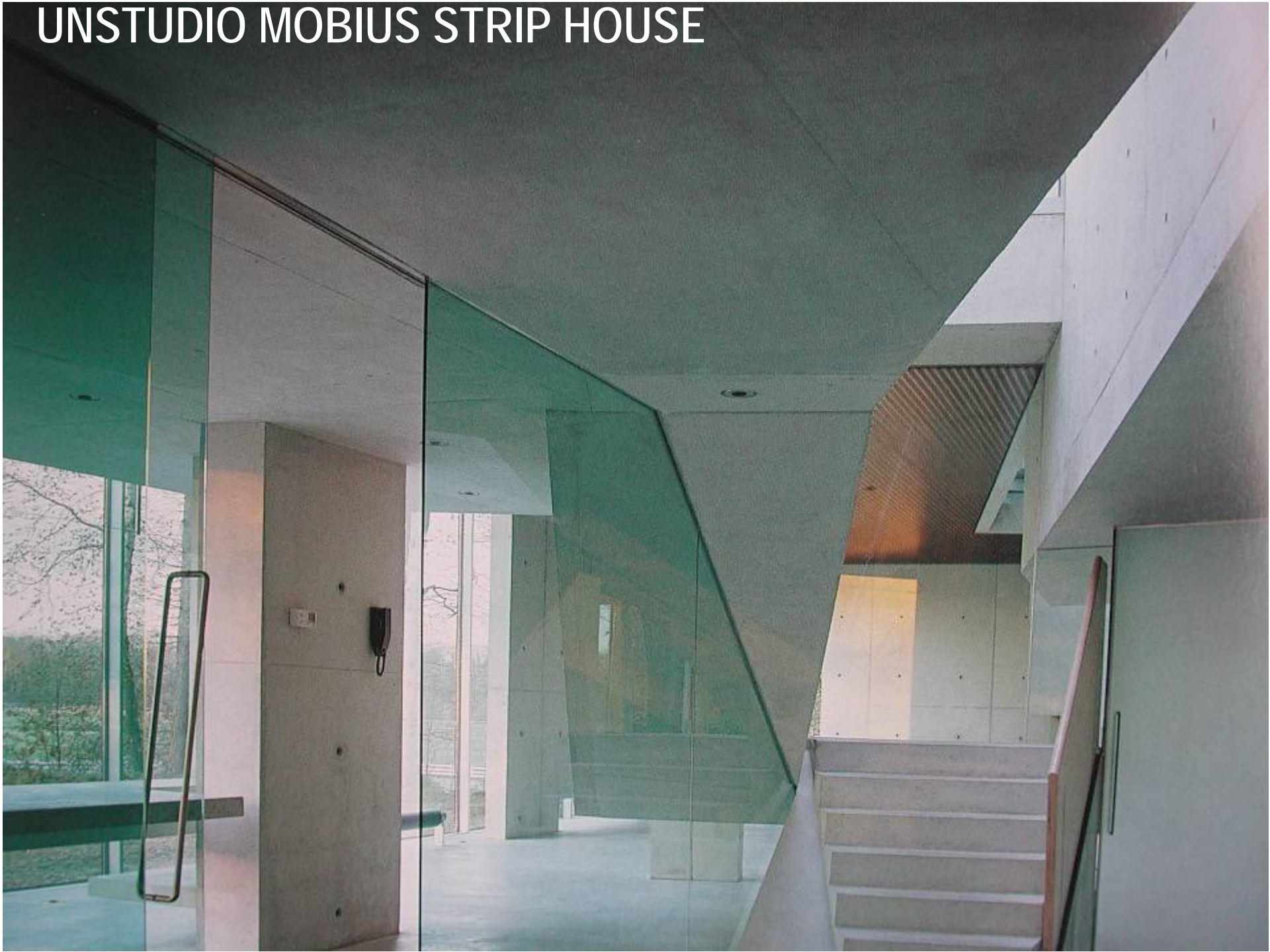
**HEAVY STAIRS**







# UNSTUDIO MOBIUS STRIP HOUSE









LUIS BARRAGAN















PHILLIPPE STARK

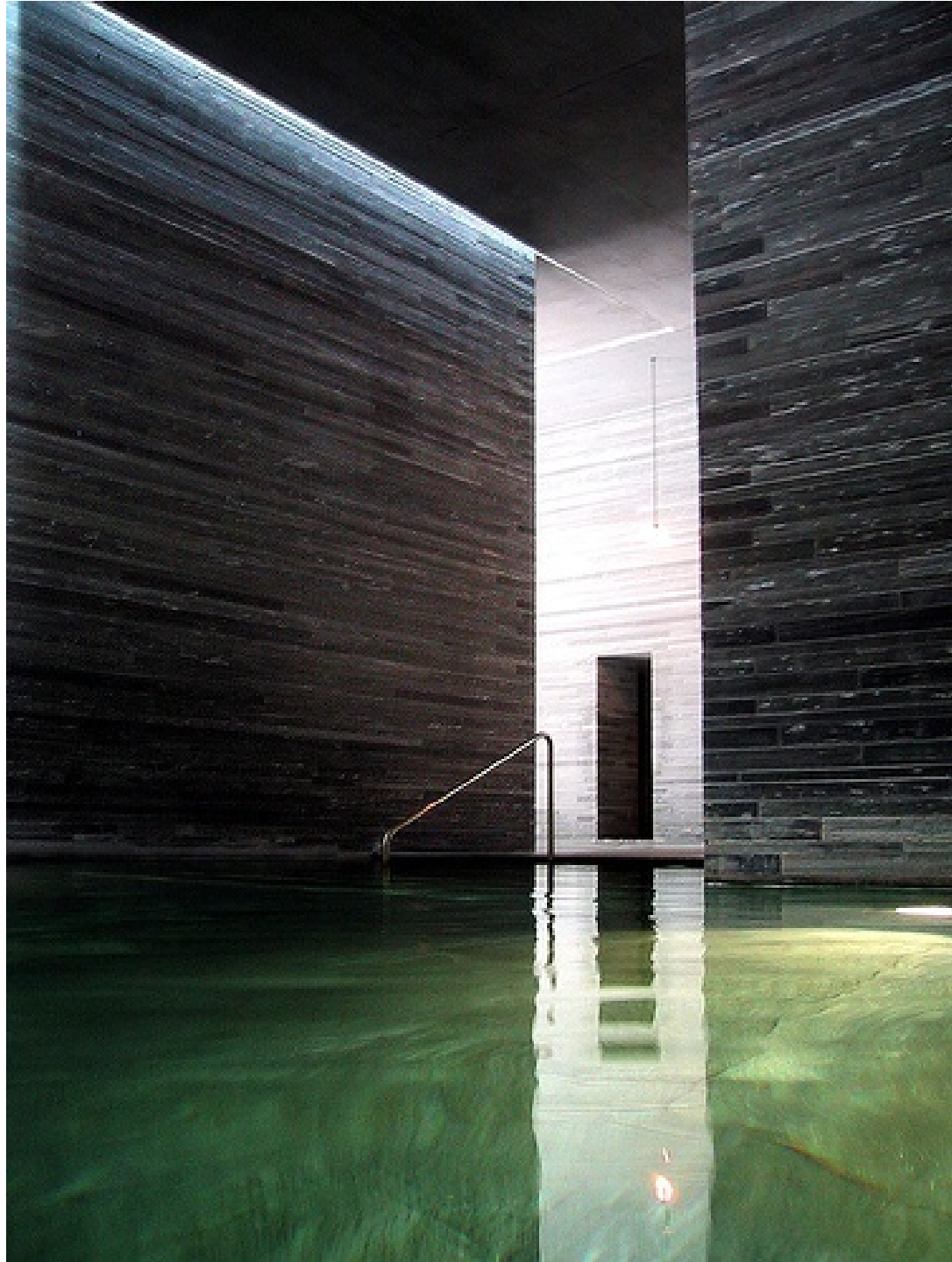


CARLO SCARPA





PETER ZUMTHOR  
THERMAL BATHS, VALS



# CANTILEVERED STAIRS

can·ti·le·ver [kan-tl-ee-ver]

Noun

1. Any rigid structural member projecting from a vertical support, especially one in which the projection is great in relation to the depth, so that the upper part is in tension and the lower part in compression.
2. Building Trades, Civil Engineering: any rigid construction extending horizontally well beyond its vertical support, used as a structural element of a bridge (cantilever bridge) building foundation, etc.
3. Aeronautics: A form of wing construction in which no external bracing is used.
4. Architecture: A bracket for supporting a balcony, cornice, etc.

World English Dictionary (Collins)

1. A beam, girder, or structural framework that is fixed at one end and is free at the other







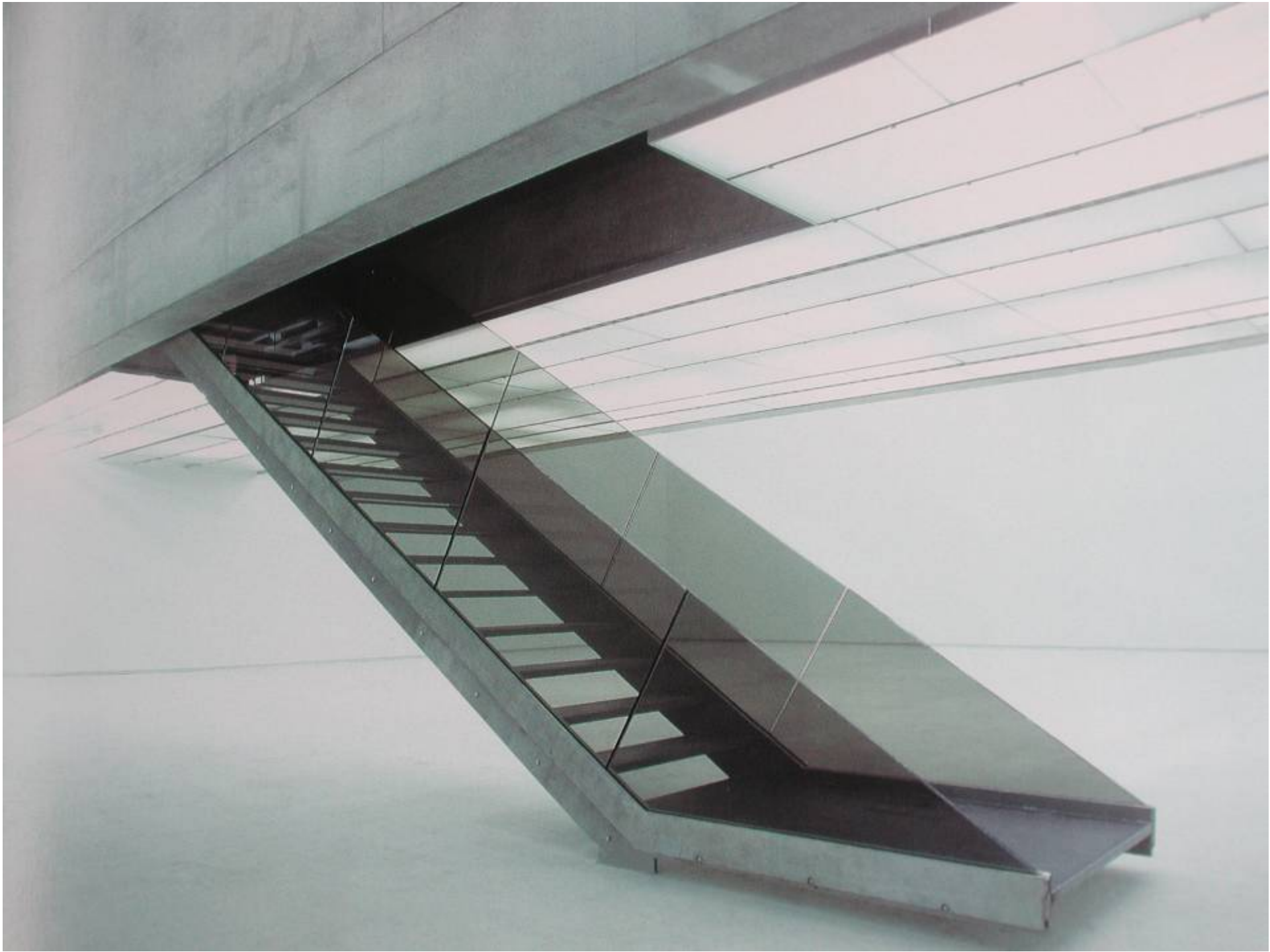










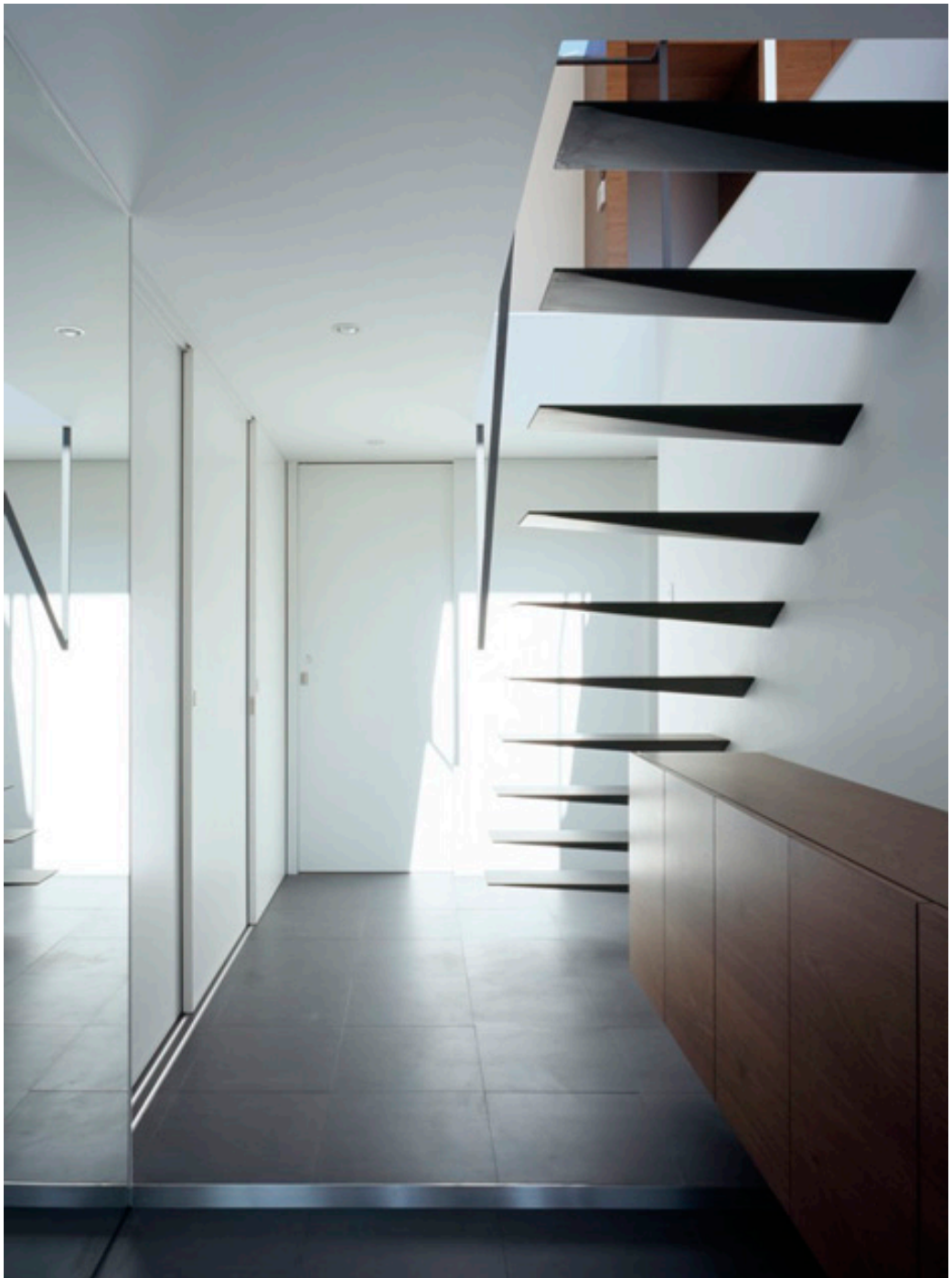
















**OUTSIDE STAIRS**

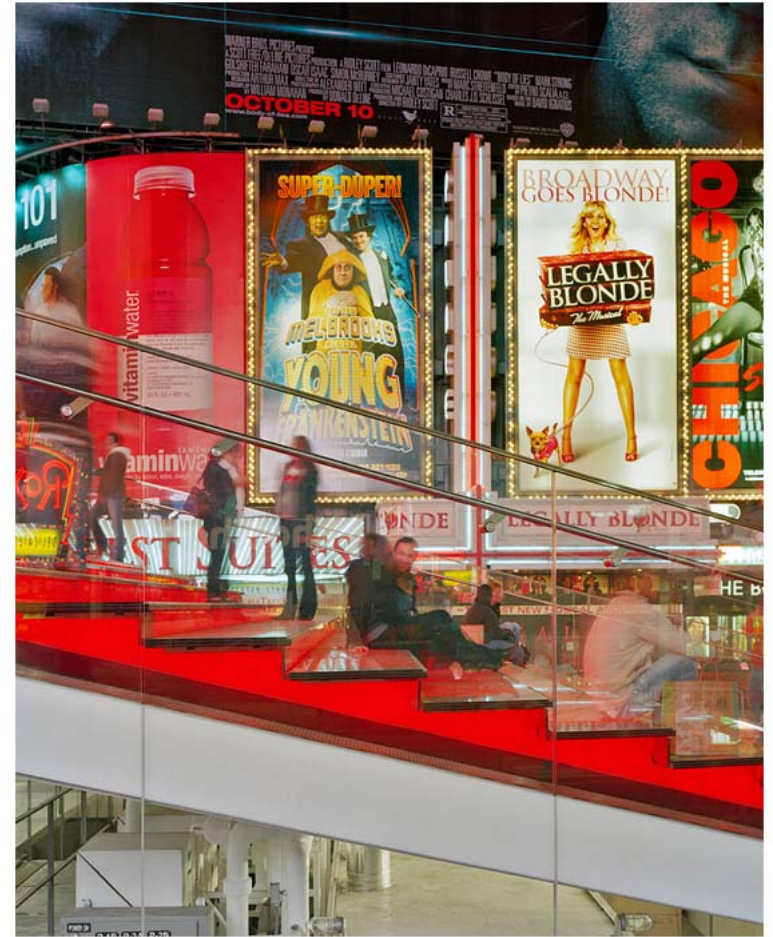


PERKINS EASTMAN. NYC + John Choi and Tai Ropiha. Sydney





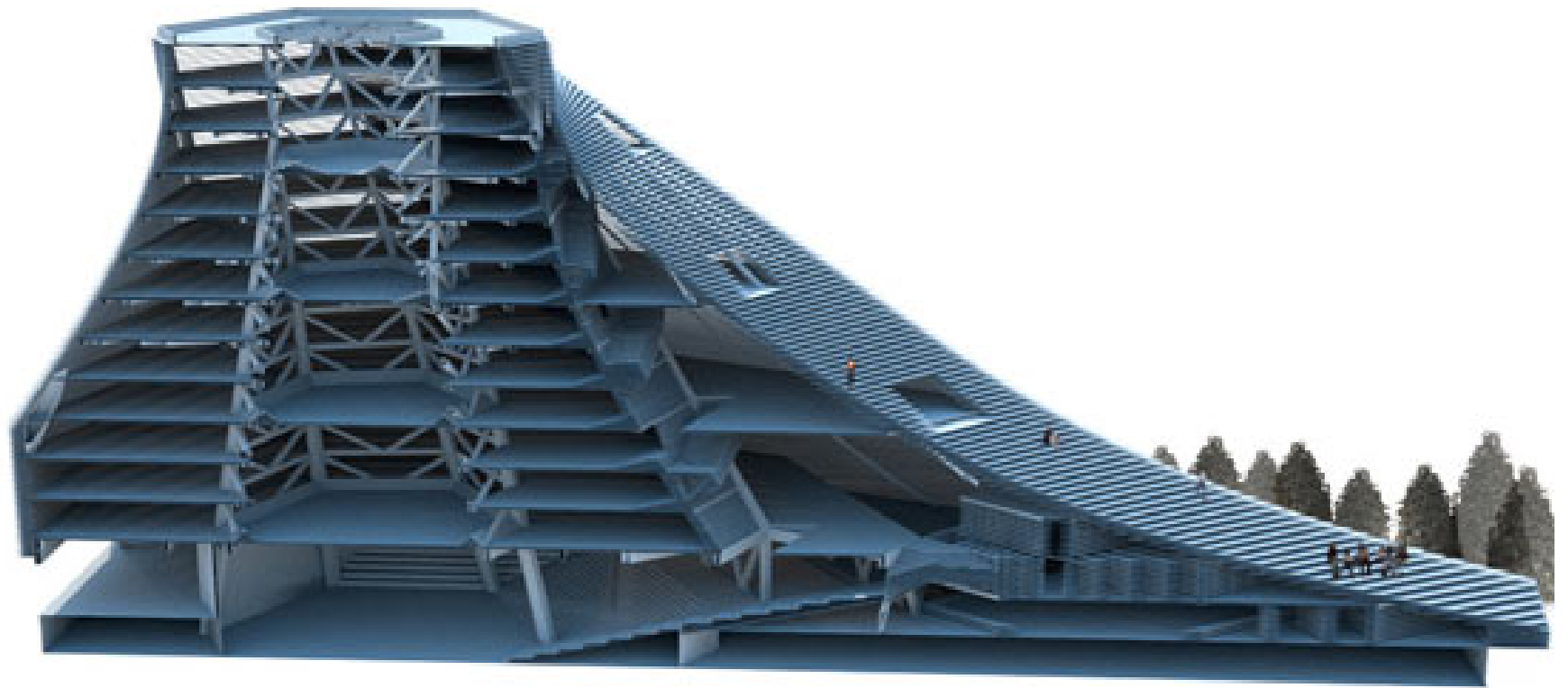
TROY DONOVAN





## DETAILS







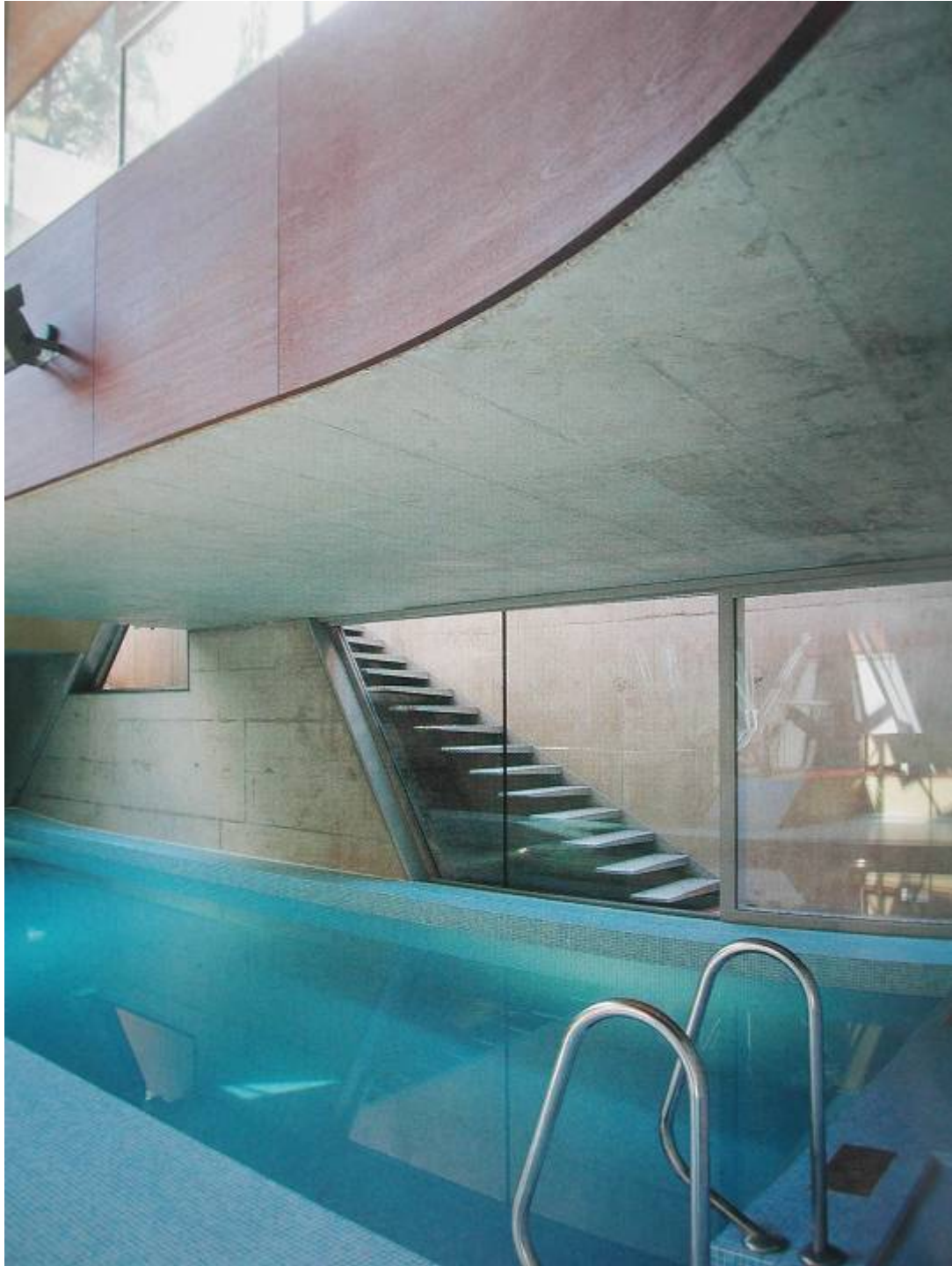


LAKE COMO. ITALY











CATHEDRAL. MILAN. ITALY

COLOSSEUM. ROME









HOUSE ON MYKONOS. MARC CORBIAU













GANGES RIVER. INDIA













LE CORBUSIER. CHANDIGARH



ROMAN RUINS. BATH. ENGLAND



CARLO SCARPA







OPERA HOUSE. SYDNEY









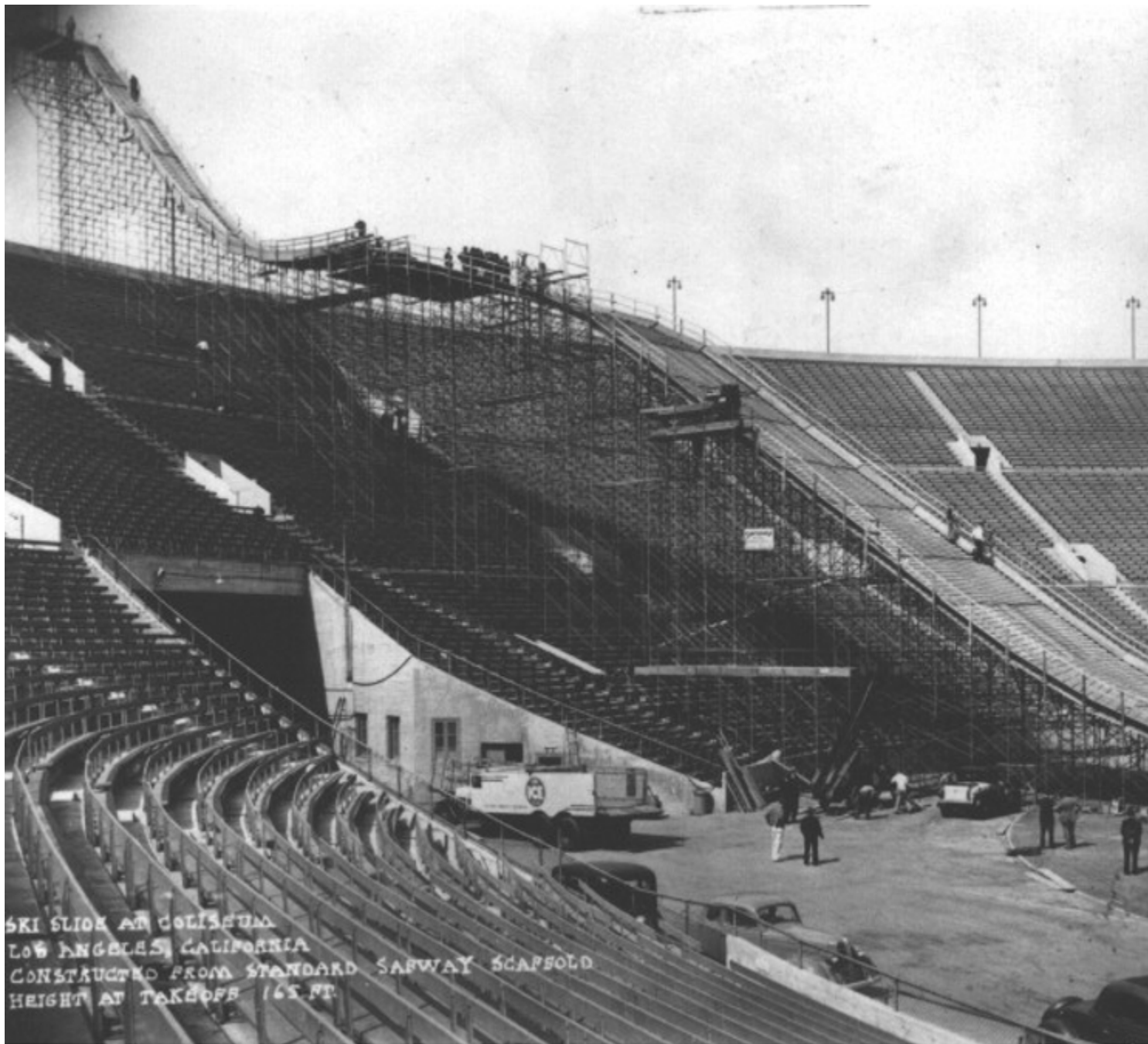












SKI SLIDE AT COLISEUM  
LOS ANGELES, CALIFORNIA  
CONSTRUCTED FROM STANDARD SAWWAY SCAFFOLD  
HEIGHT AT TAKEOFFS 165 FT.

















WONDERFUL  
VIEW

FOLLOW  
THE BOOKS  
STEPS  
CLIMB

GO  
UP



**SPIRAL STAIRS**

**CASA ROTA  
MANUEL OCANA  
ARQUITECTOS**









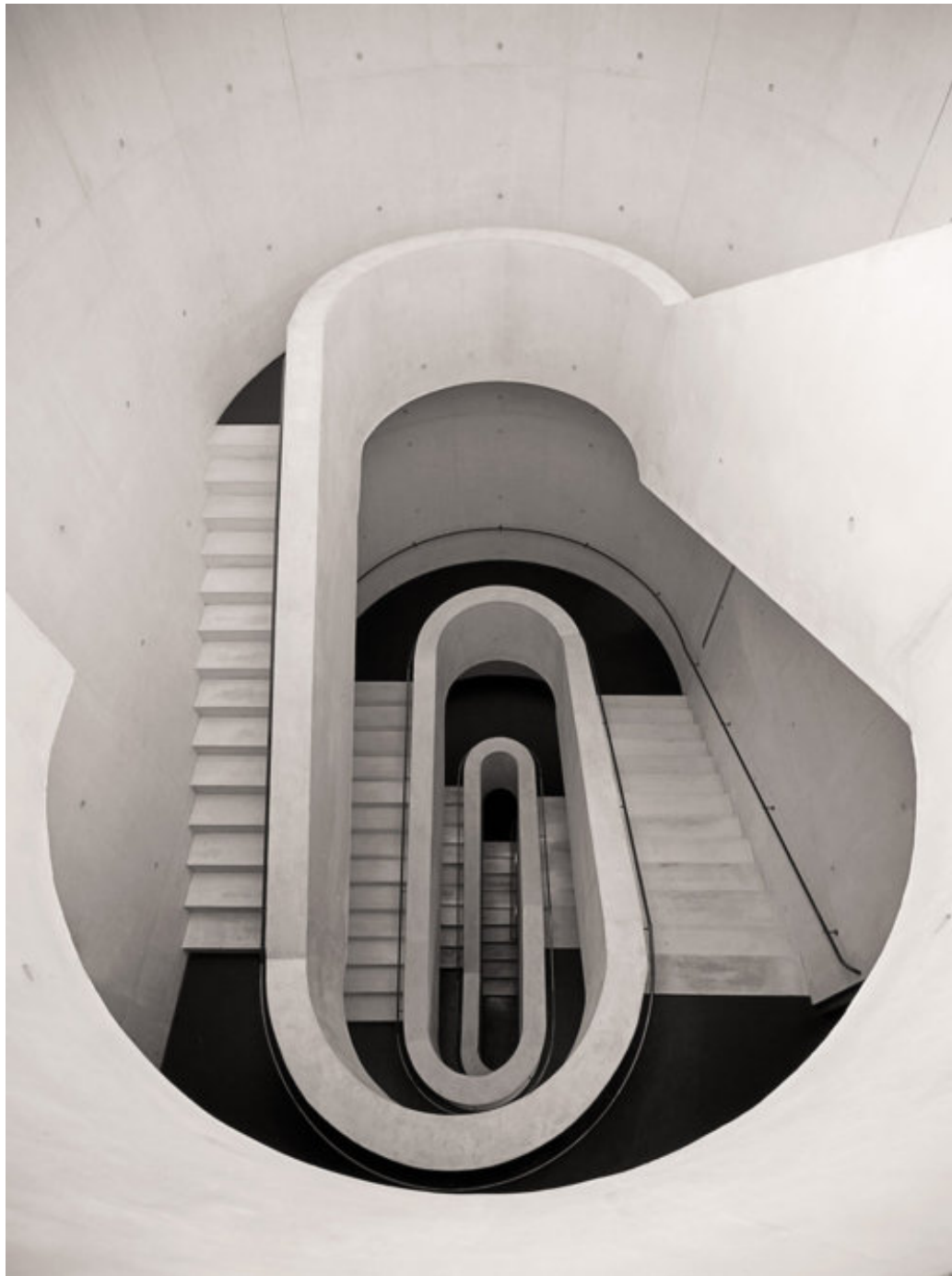




HERZOG AND DE MEURON



STEVEN HOLL



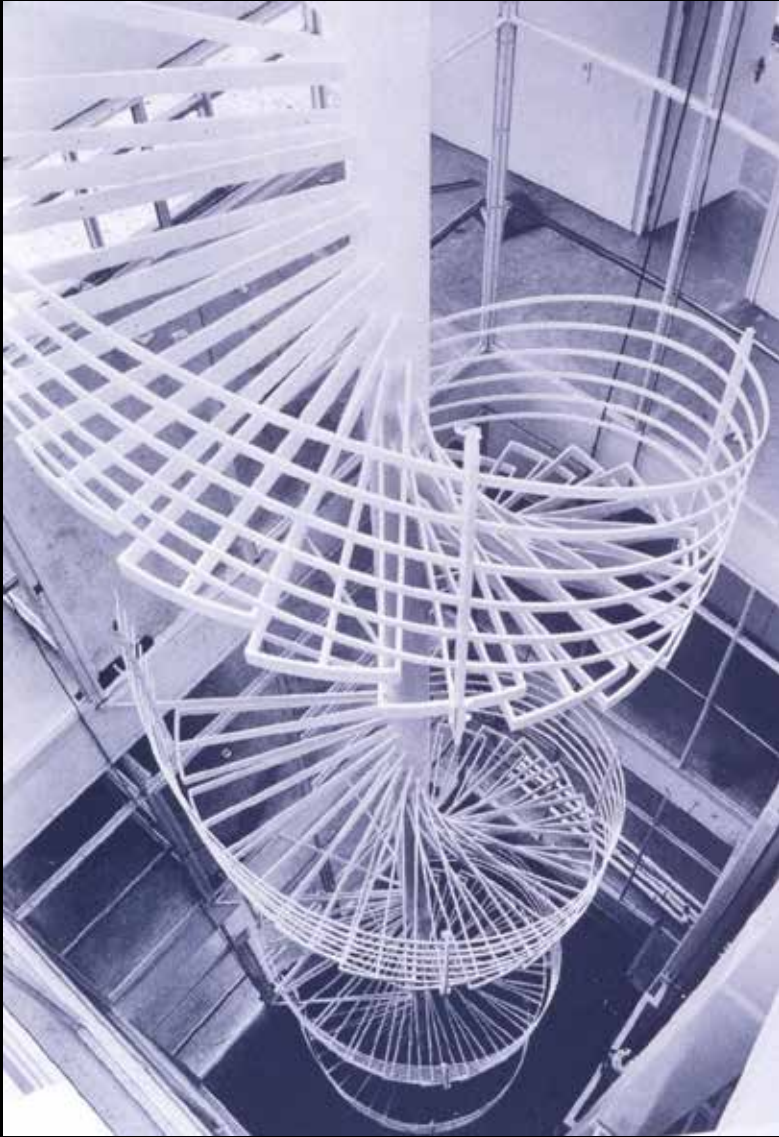


TATE MODERN  
LONDON









**HOUSE AT BORDEAUX.  
REM KOOLHAAS**

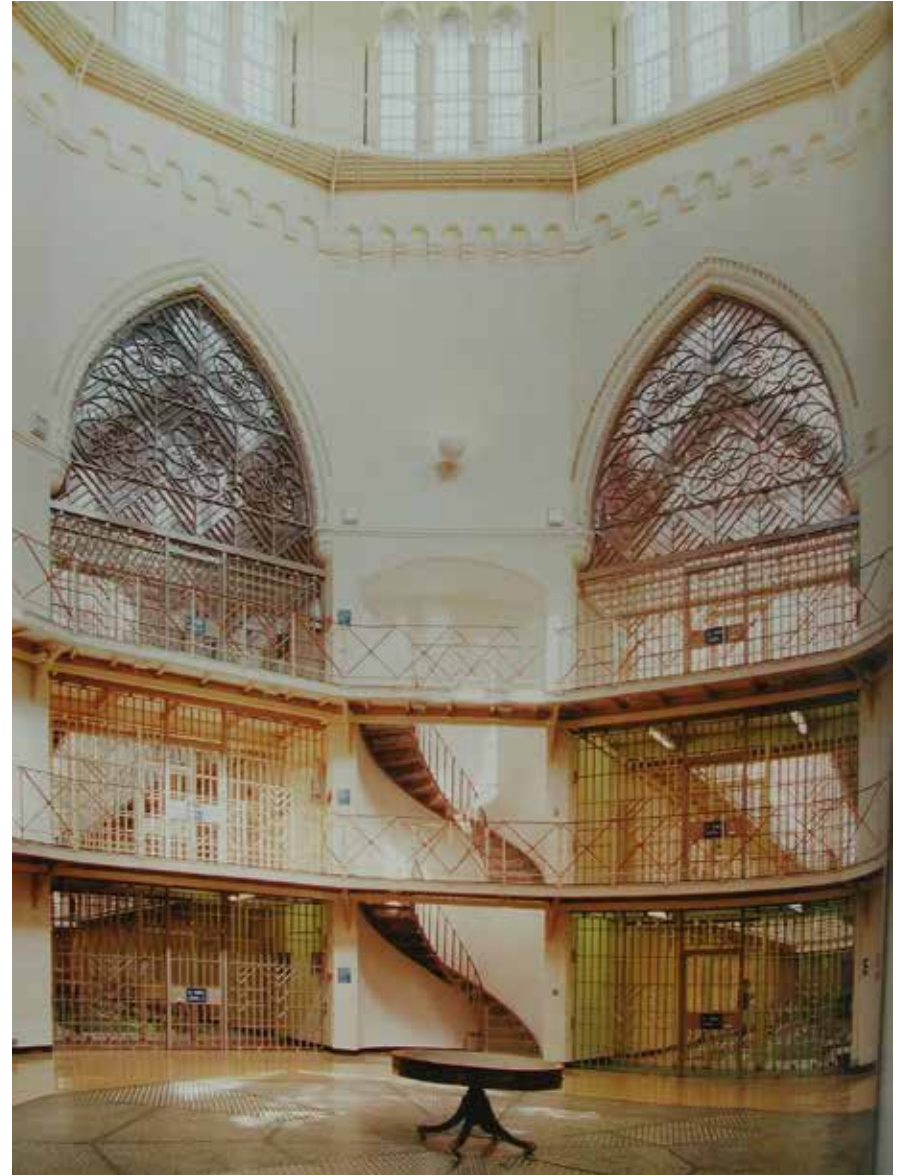
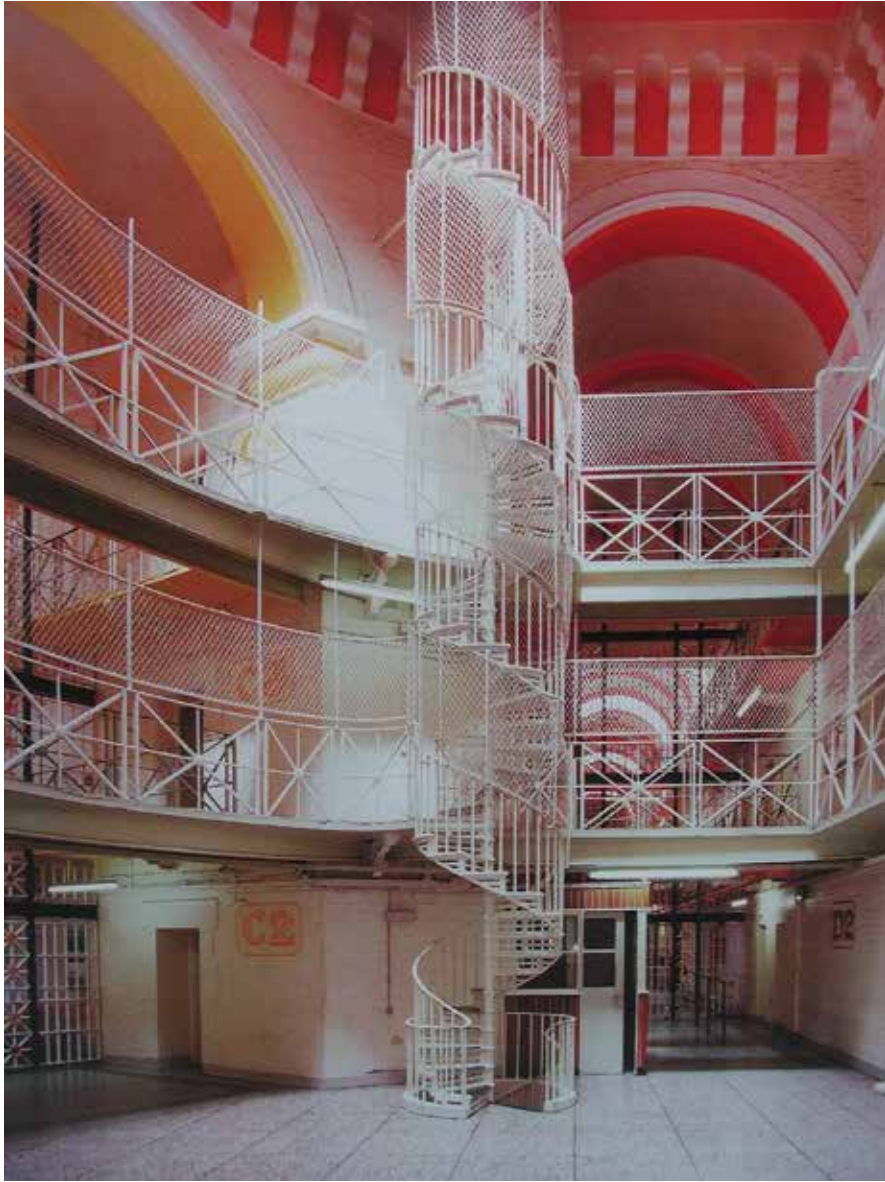




TETSUYA NAKAZONO

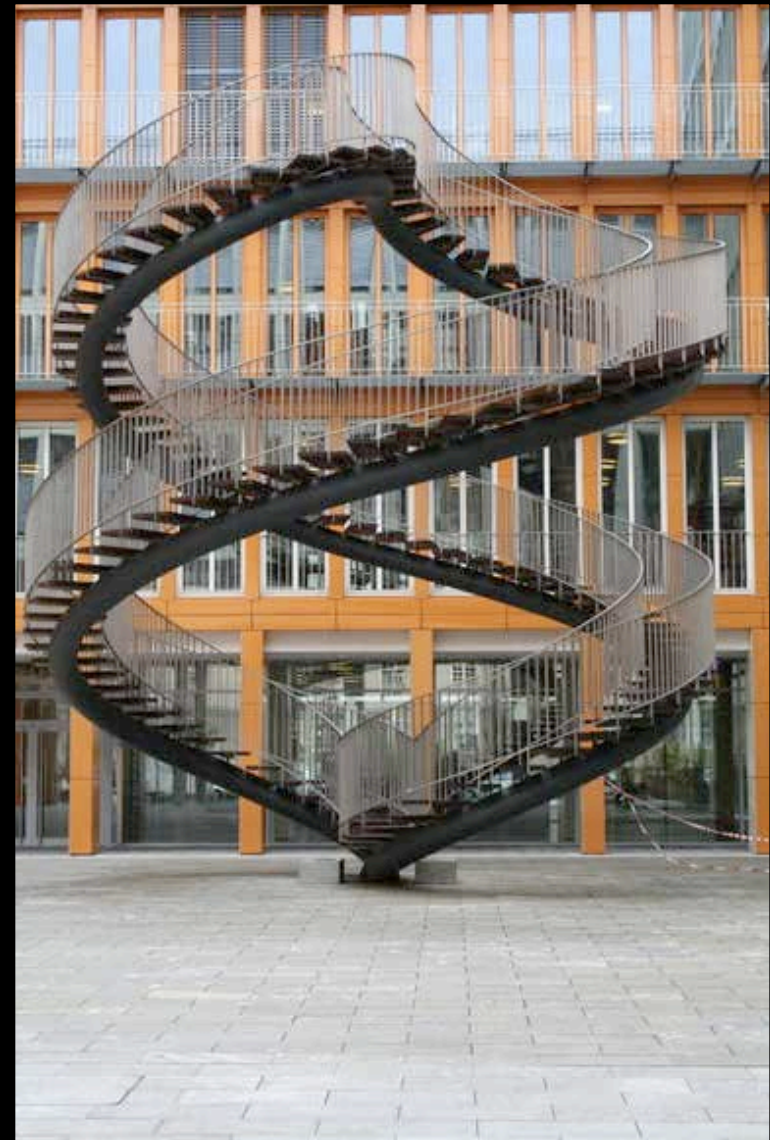


TETSUYA NAKAZONO









OLAFUR ELIASSON. MUNICH





**ROSS LOVEGROVE. DNA STAIRCASE.**

**SHOP STAIRS**



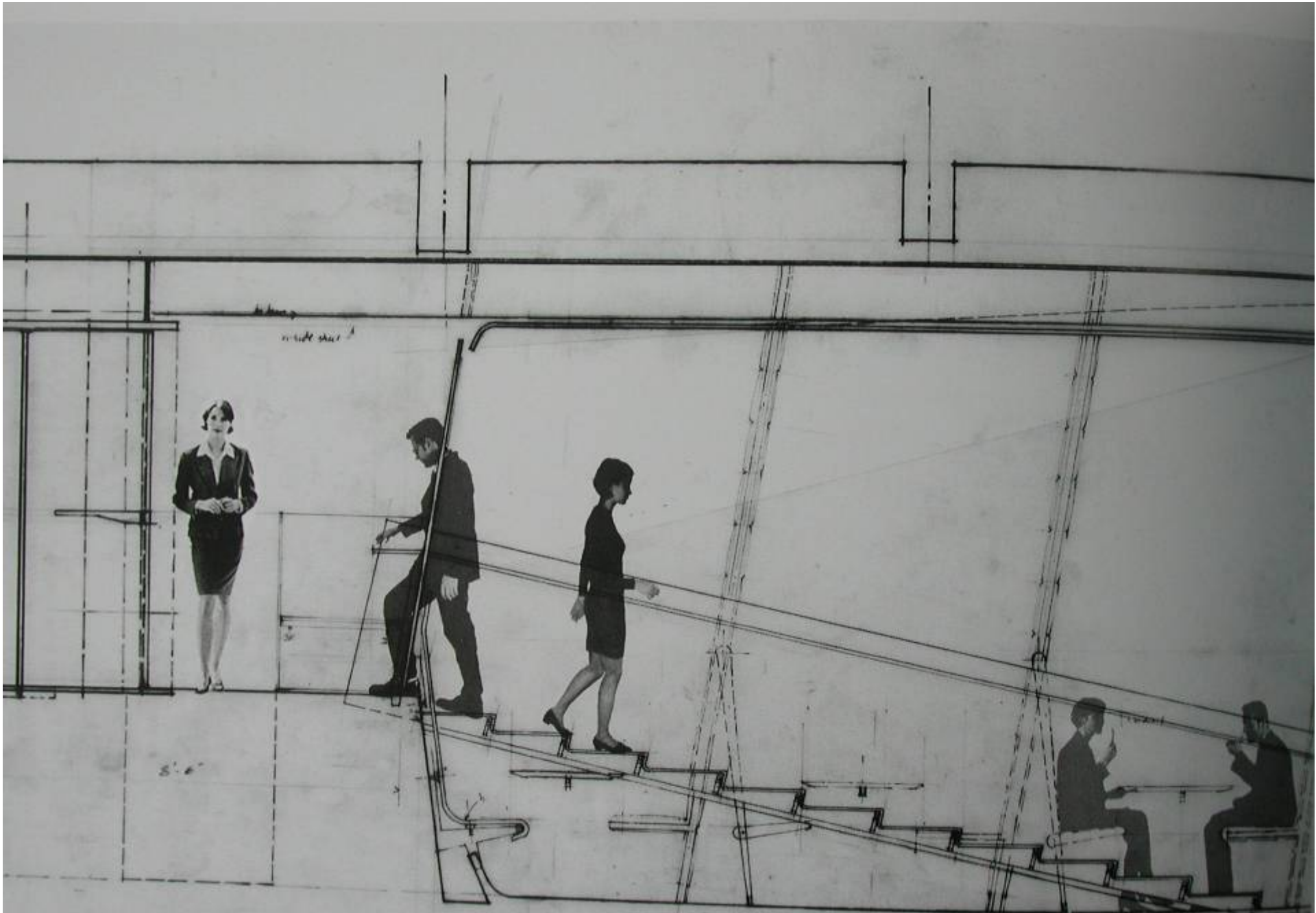
REM KOOLHAAS. OMA. PRADA. NYC











DILLER + SCOFIDIO



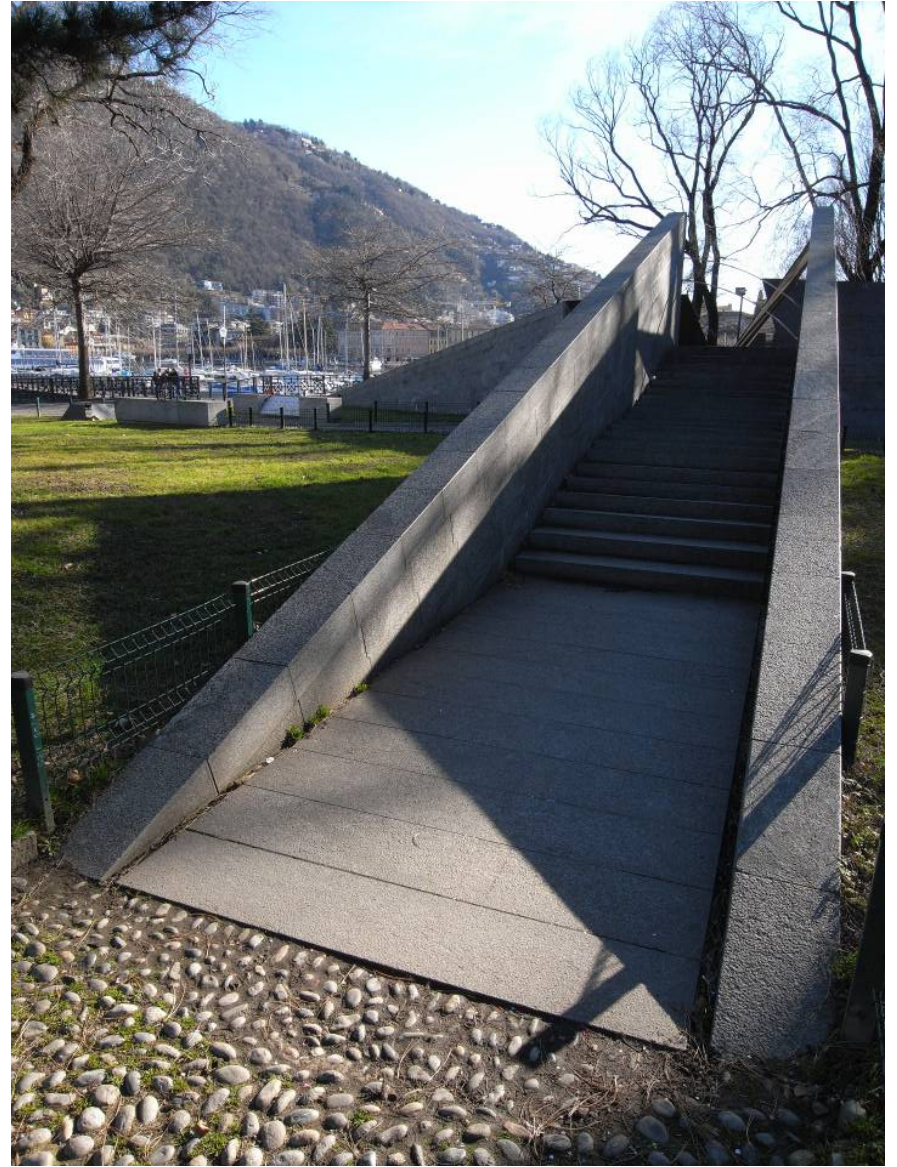


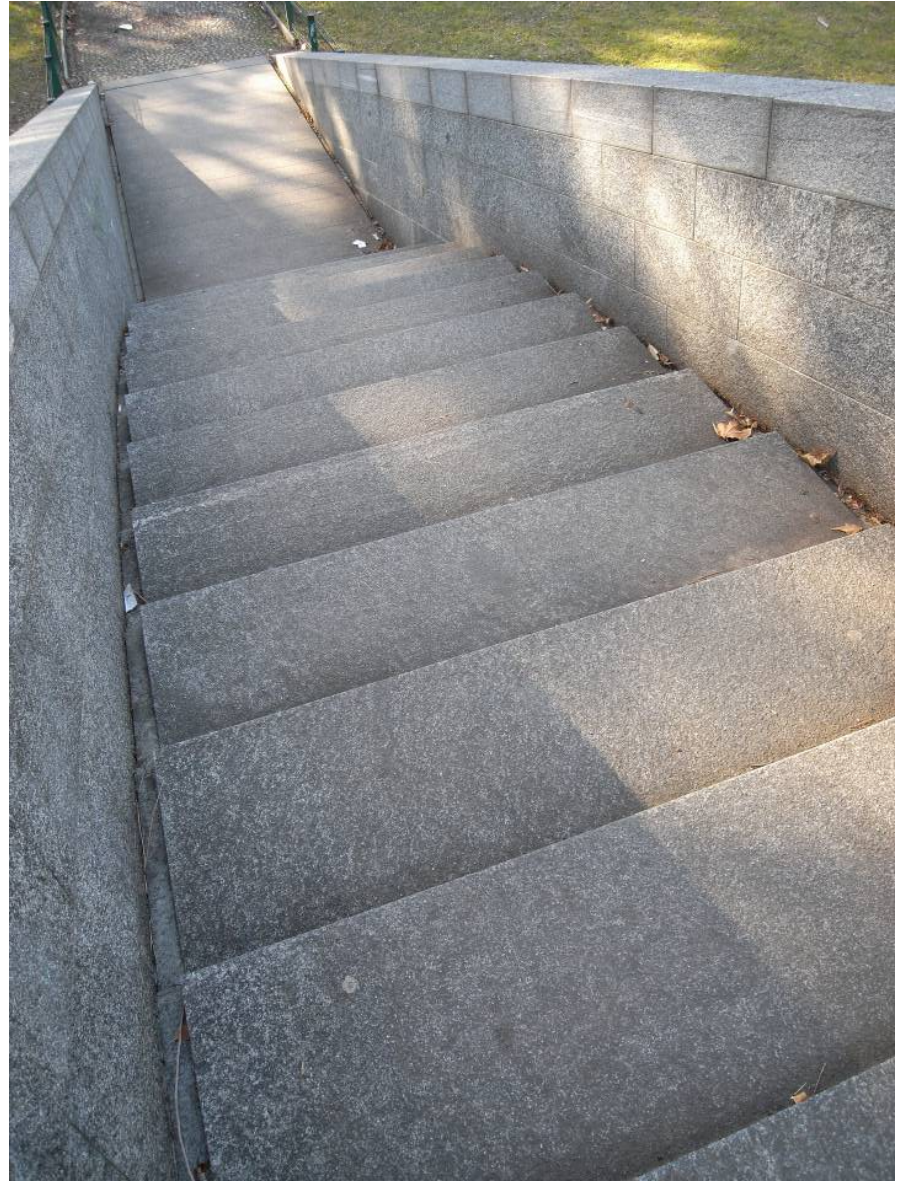


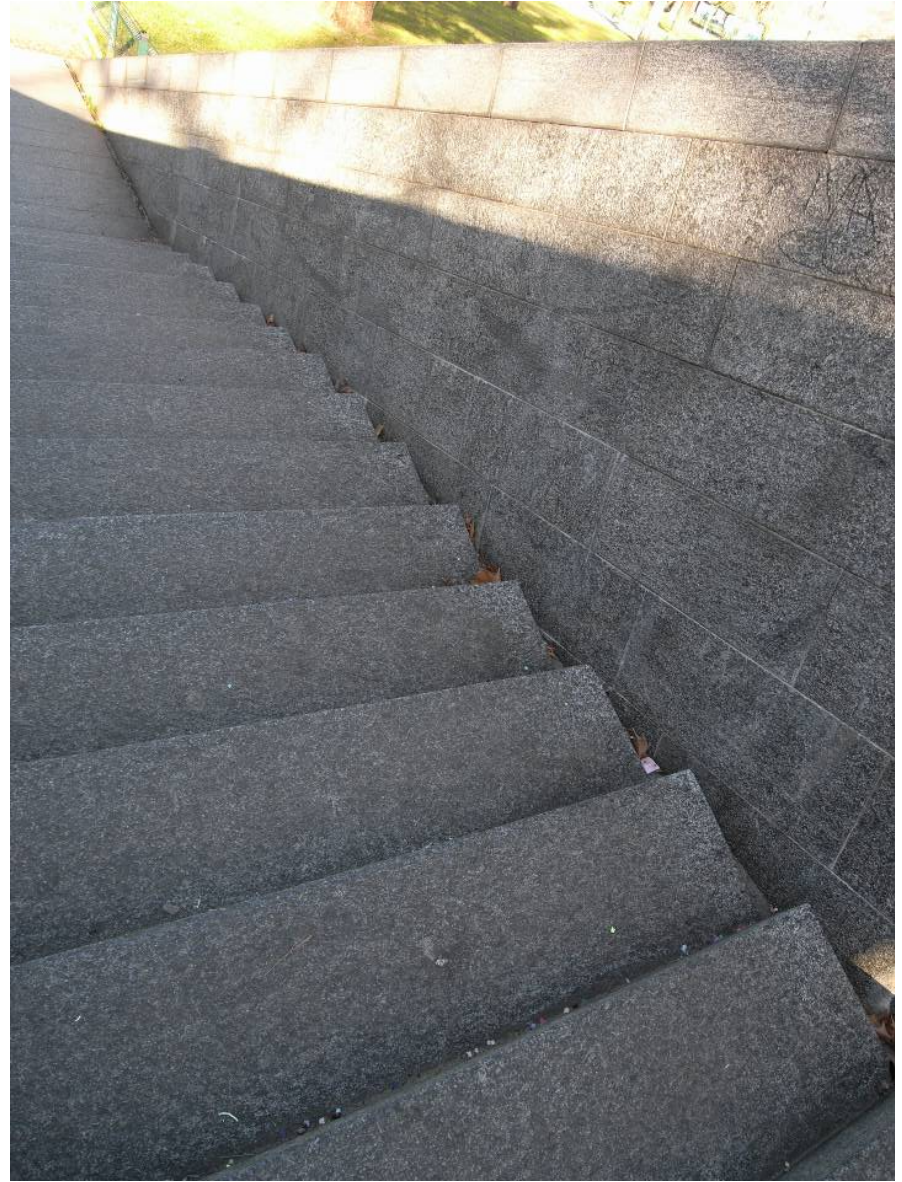
# MONUMENTAL STAIRS



LAKE COMO. ITALY

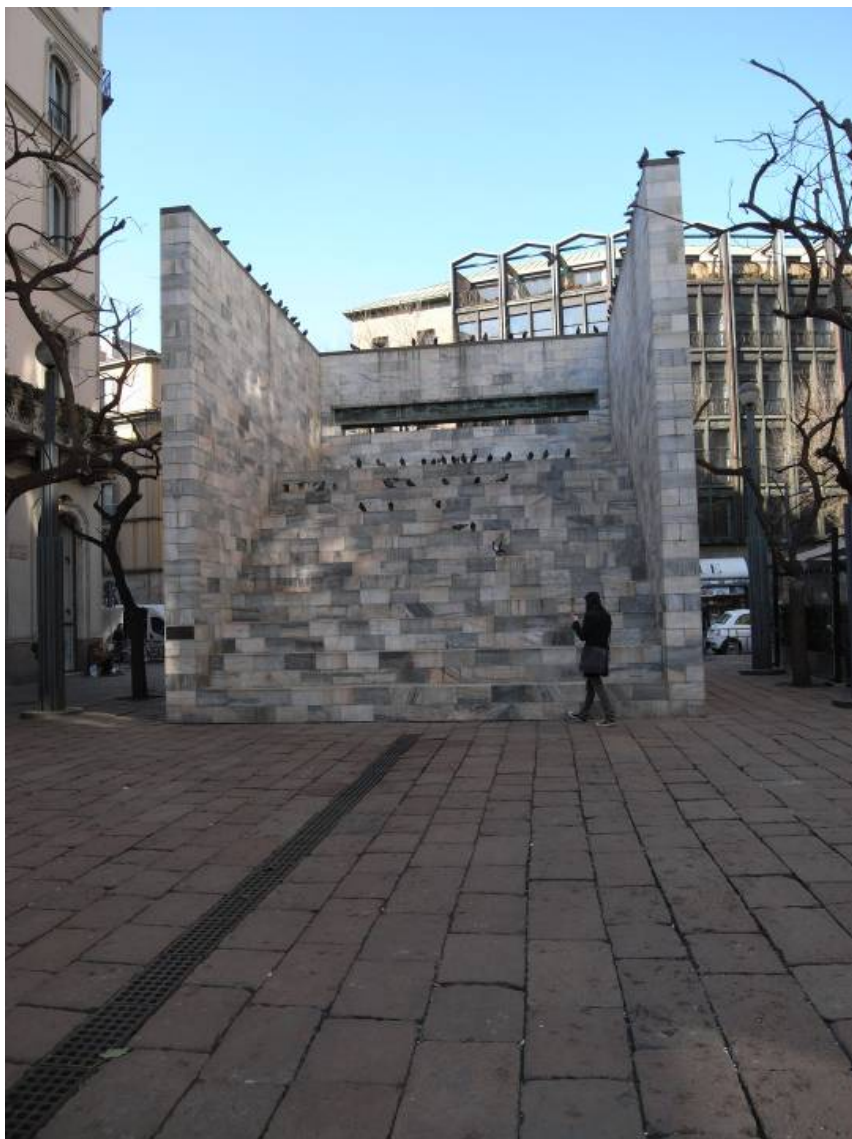




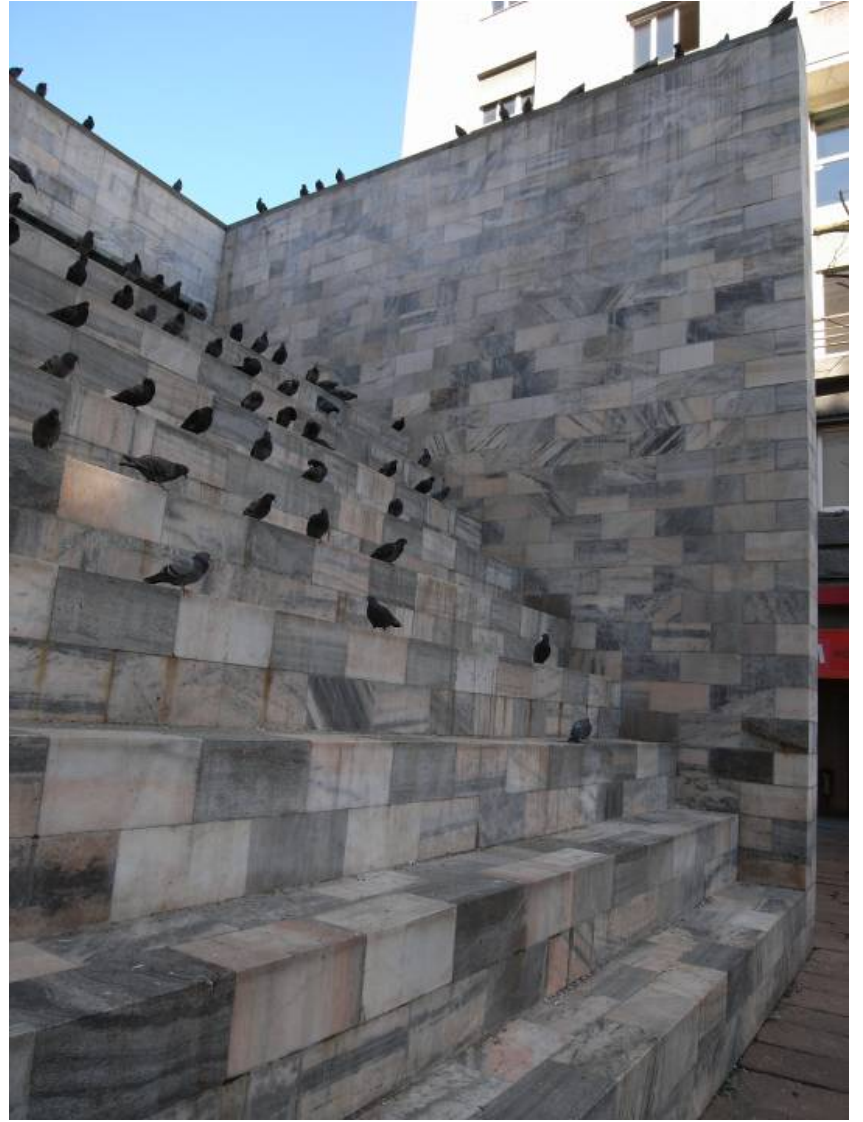
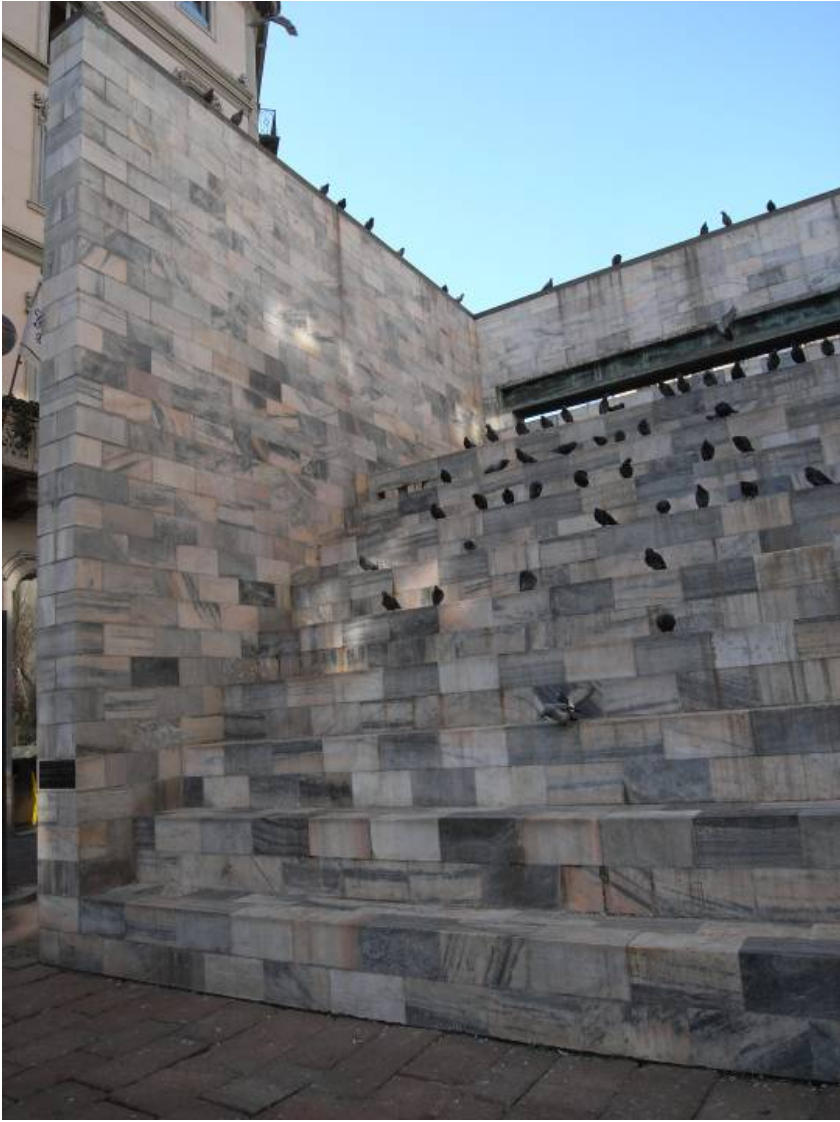






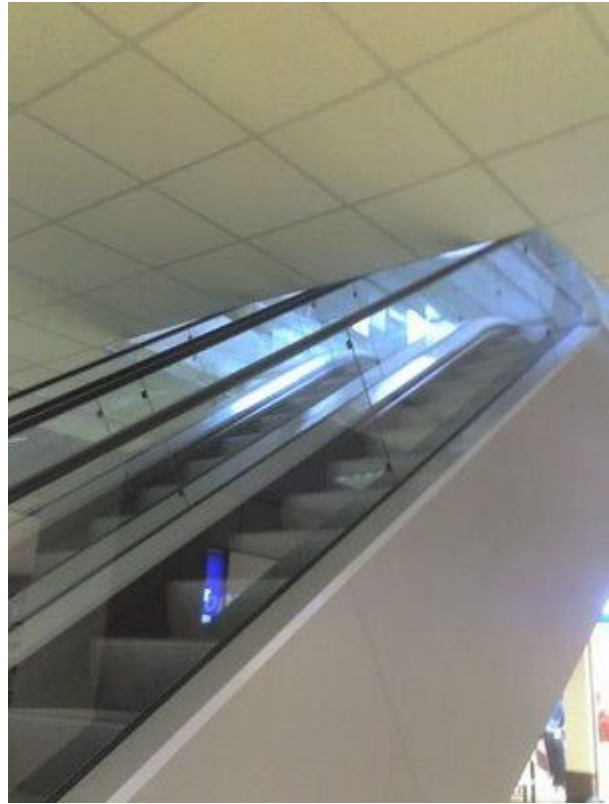


**ALDO ROSSI. MILAN**





**FAILURE**





**CASTLEVECCHIO**

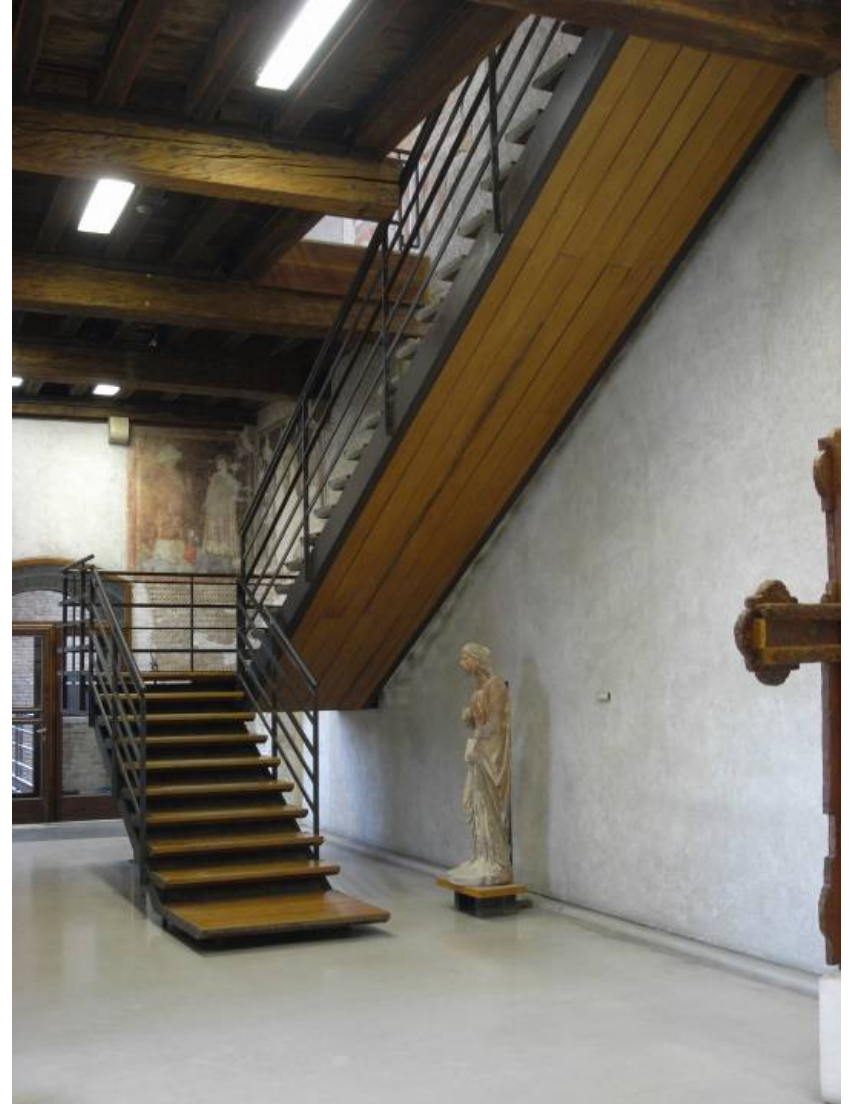
**CASE STUDY**

**CARLO SCARPA**

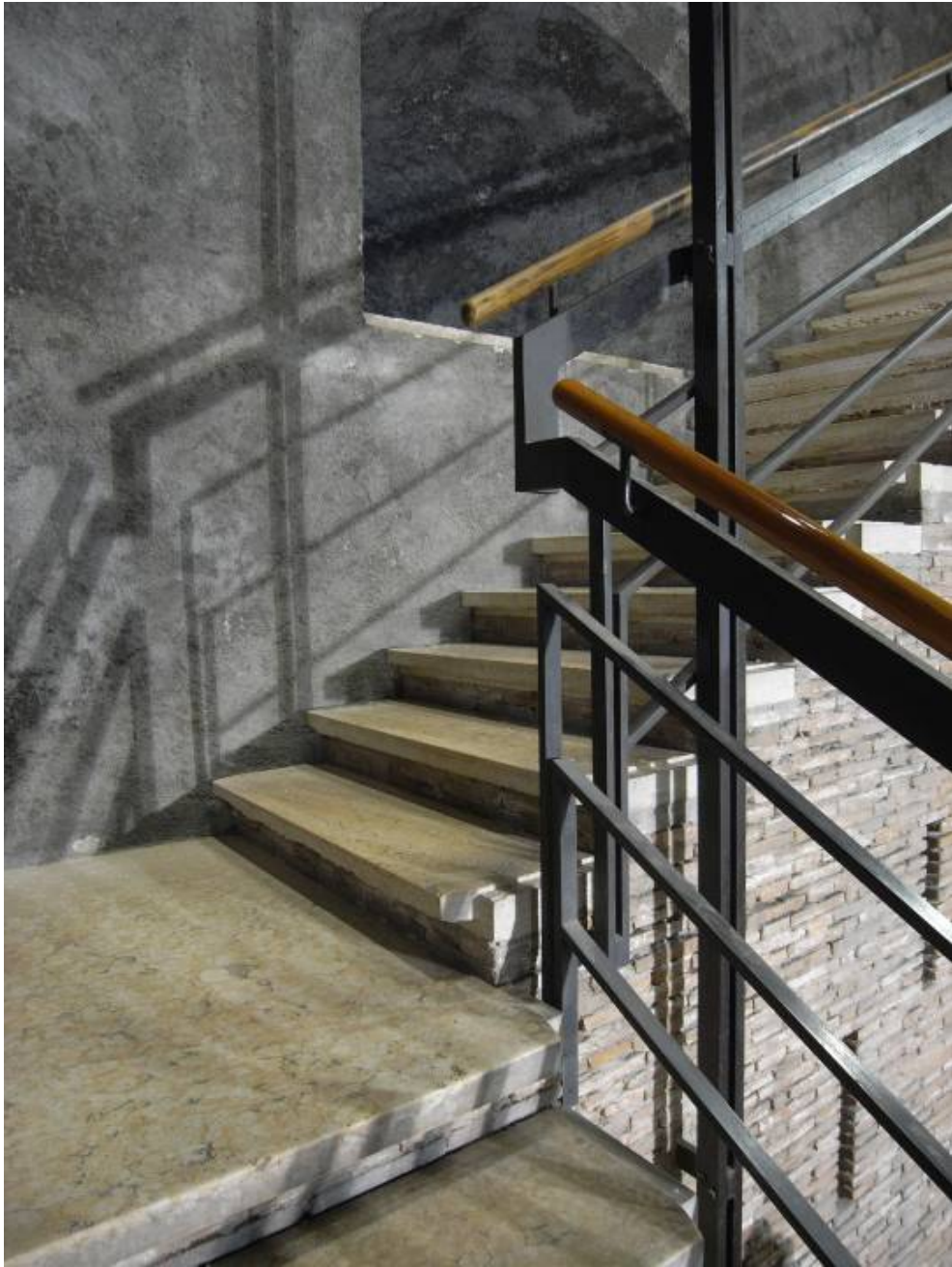


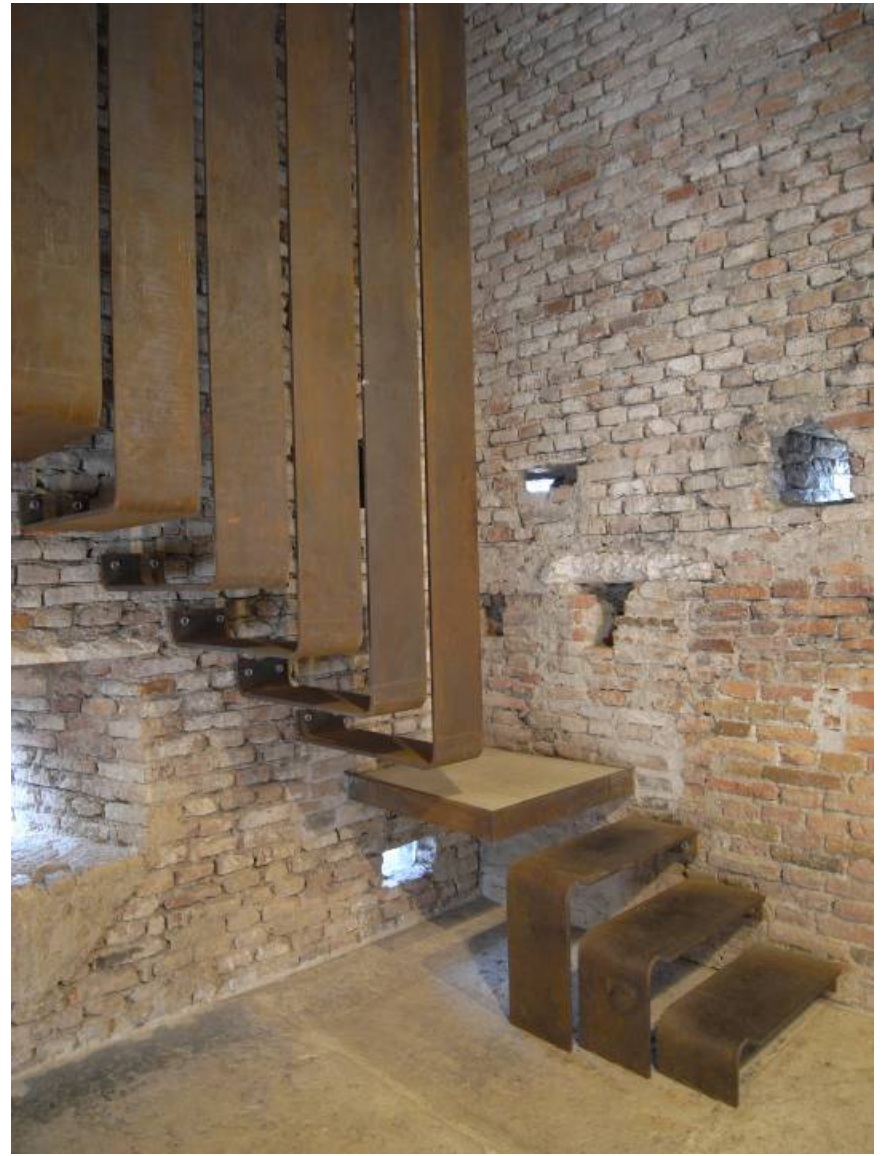


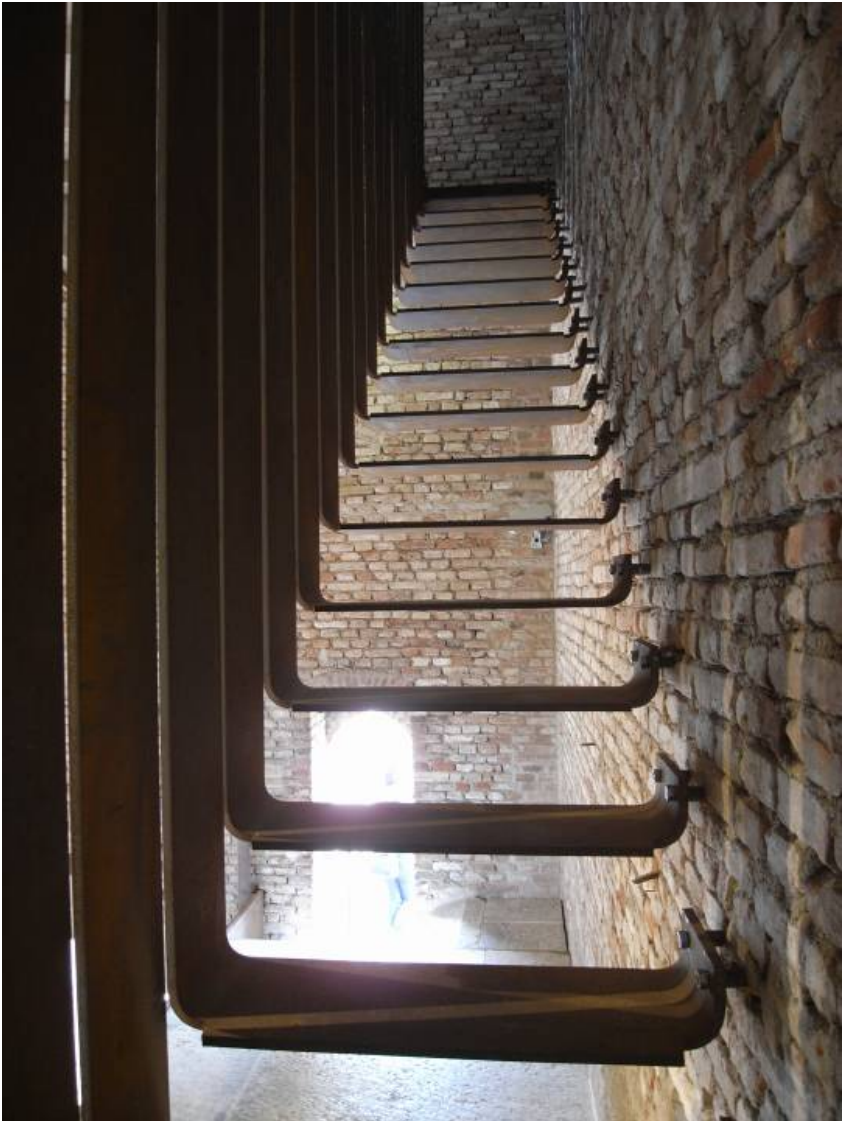




























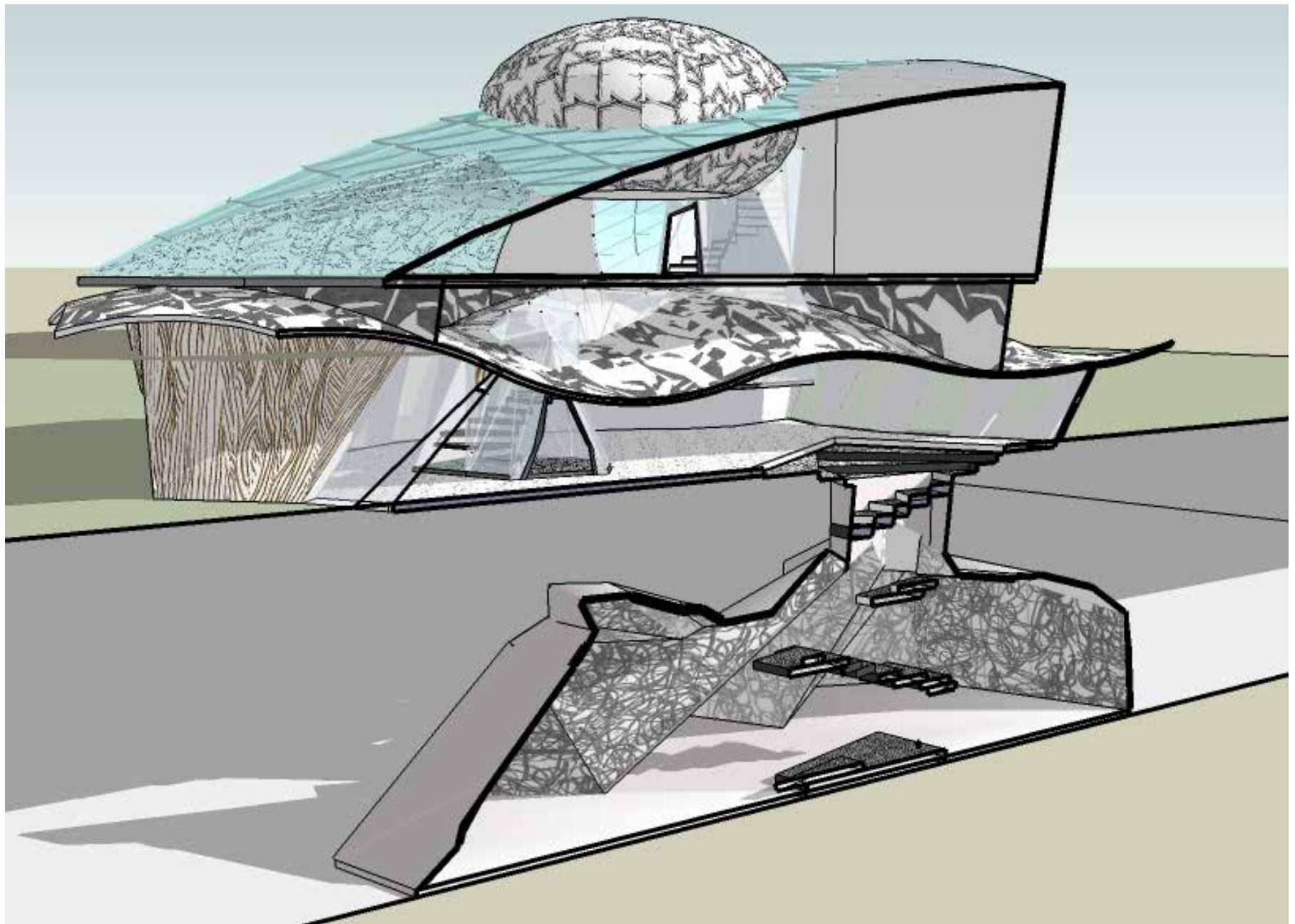


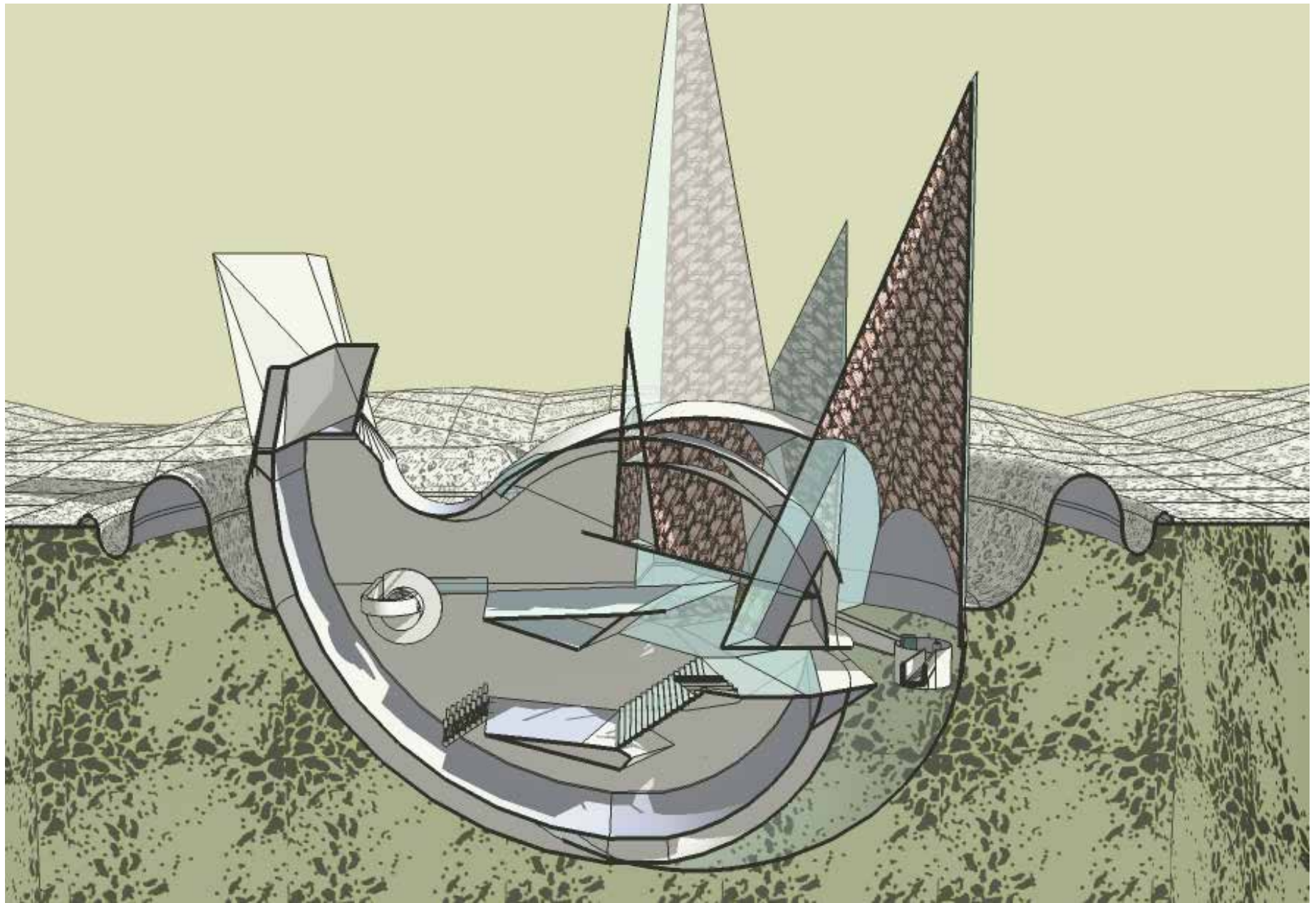


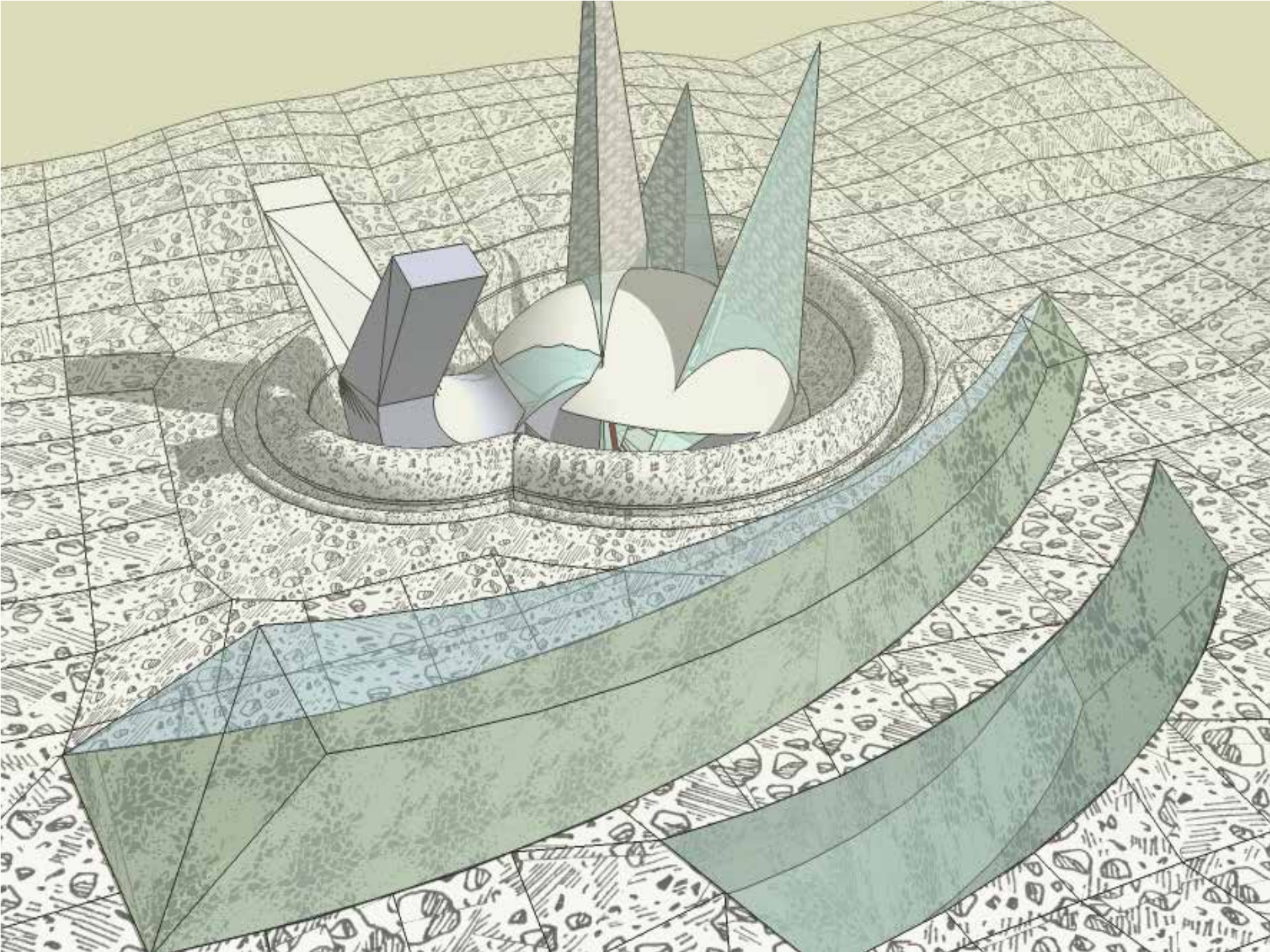


ARCHITECTURE DESIGN STUDIO ARCH1101

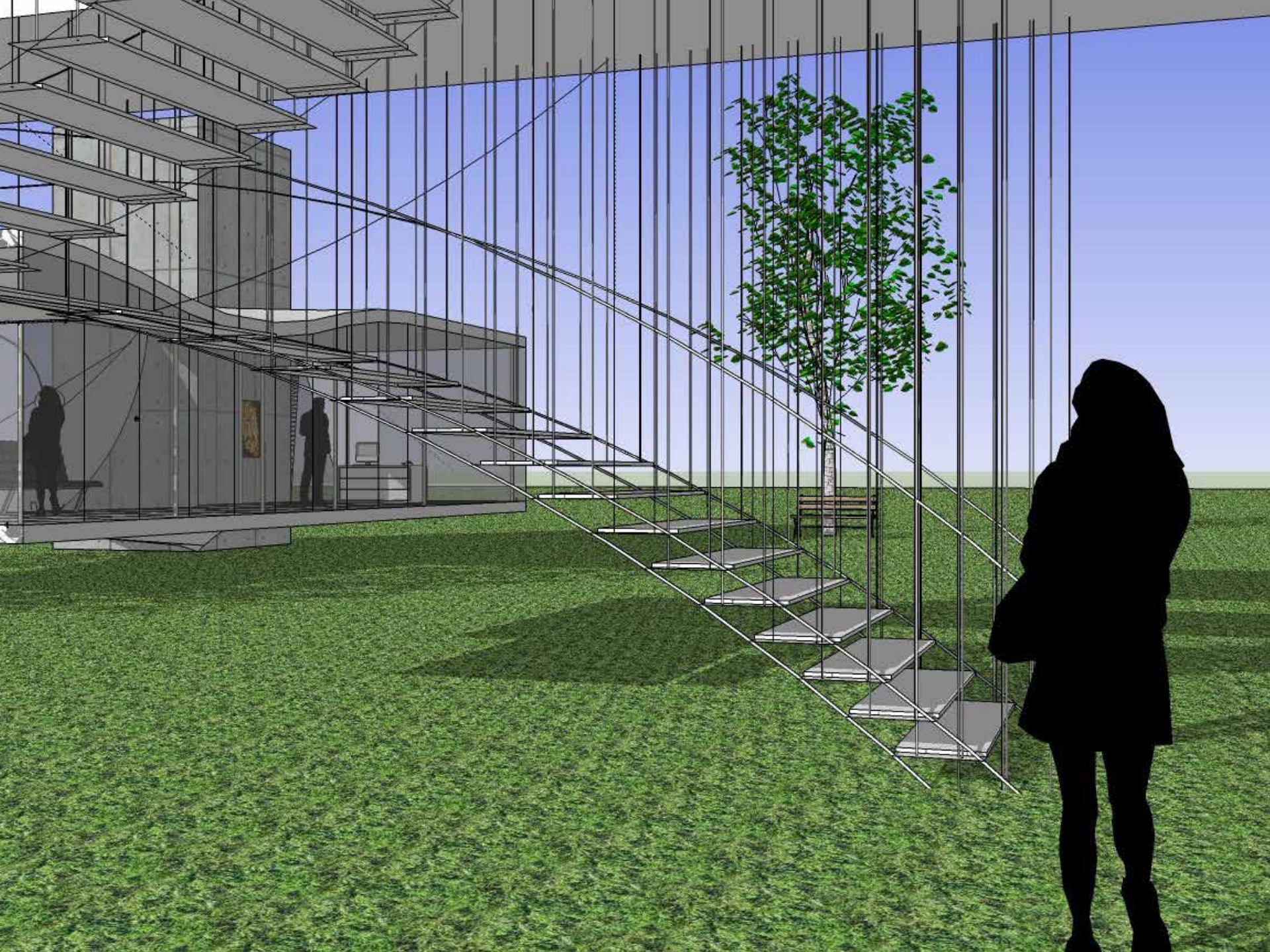
**STUDENT WORK**



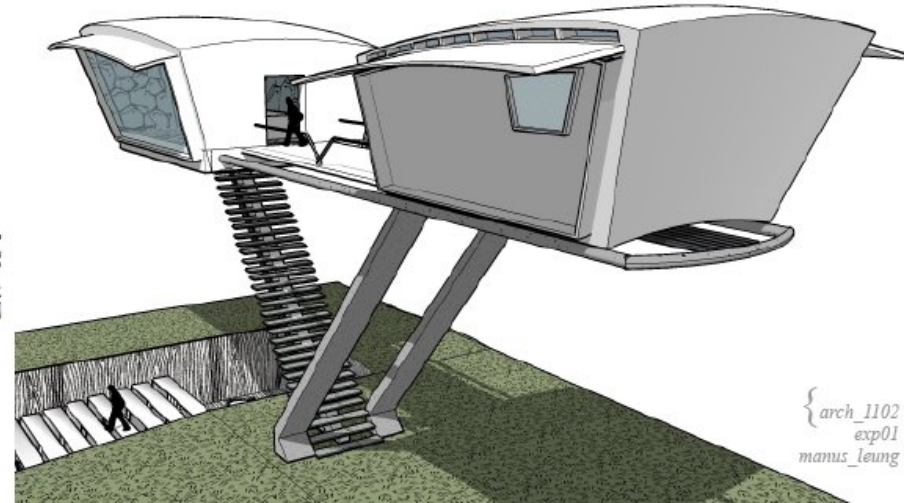
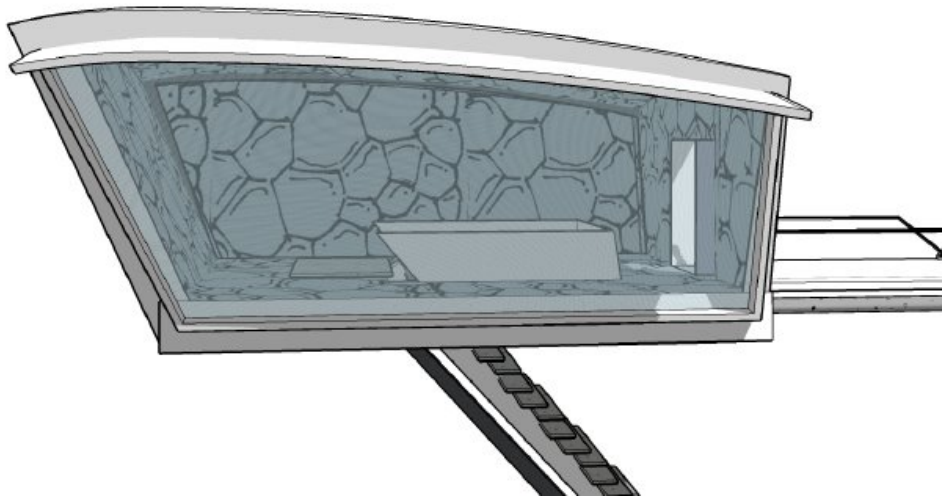
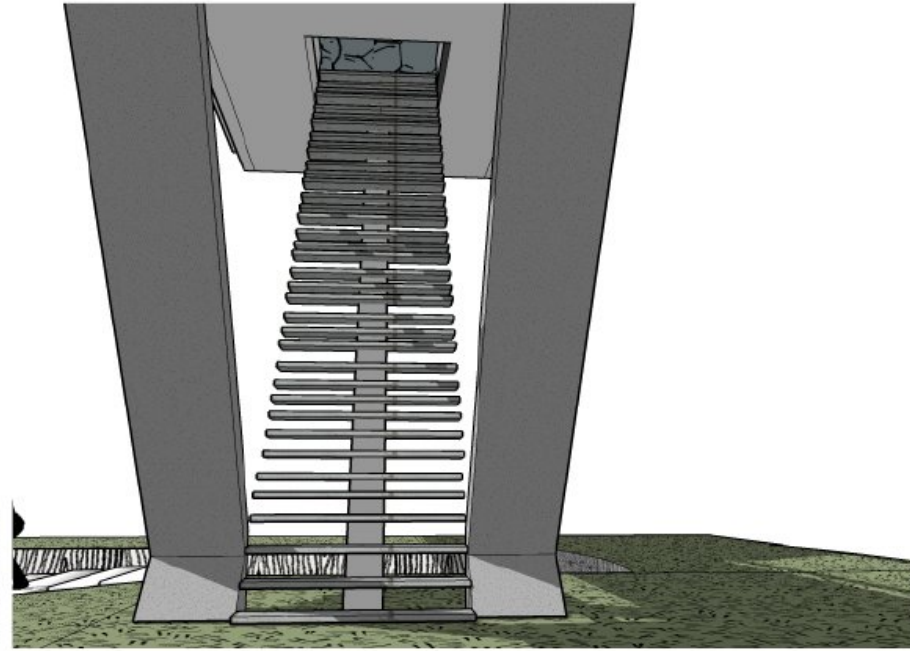
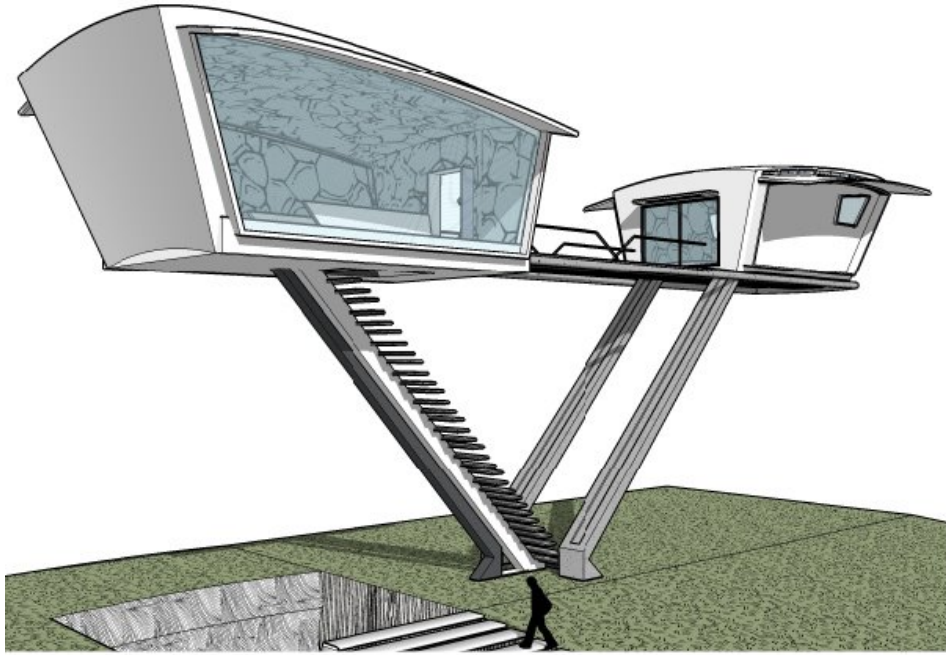




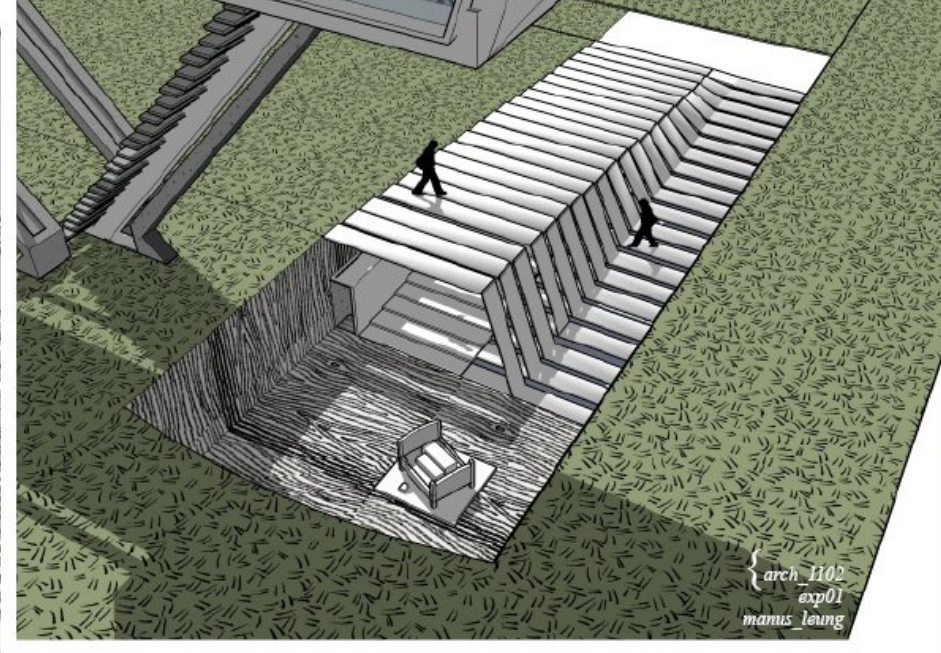
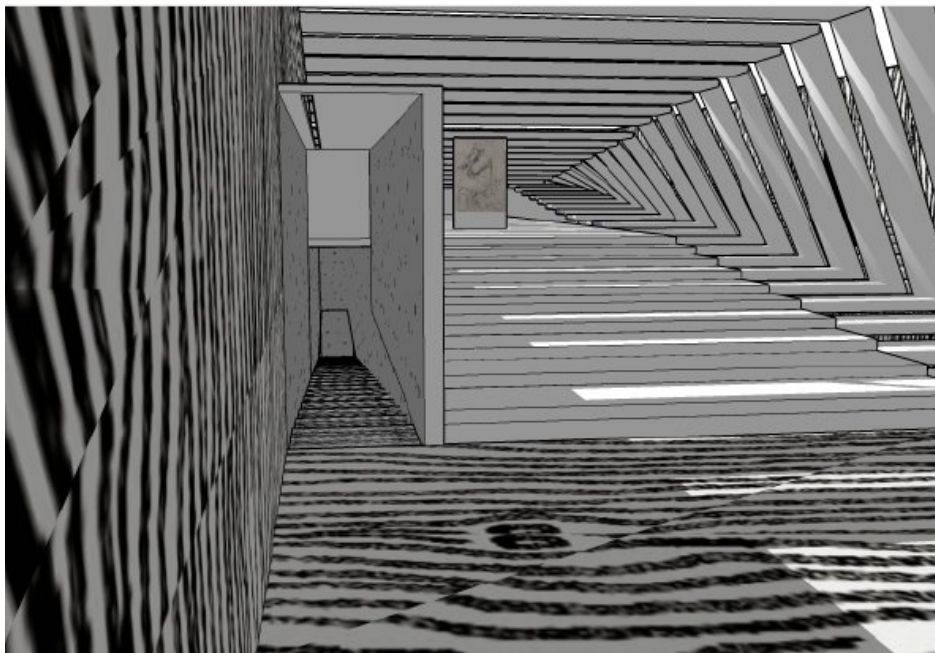
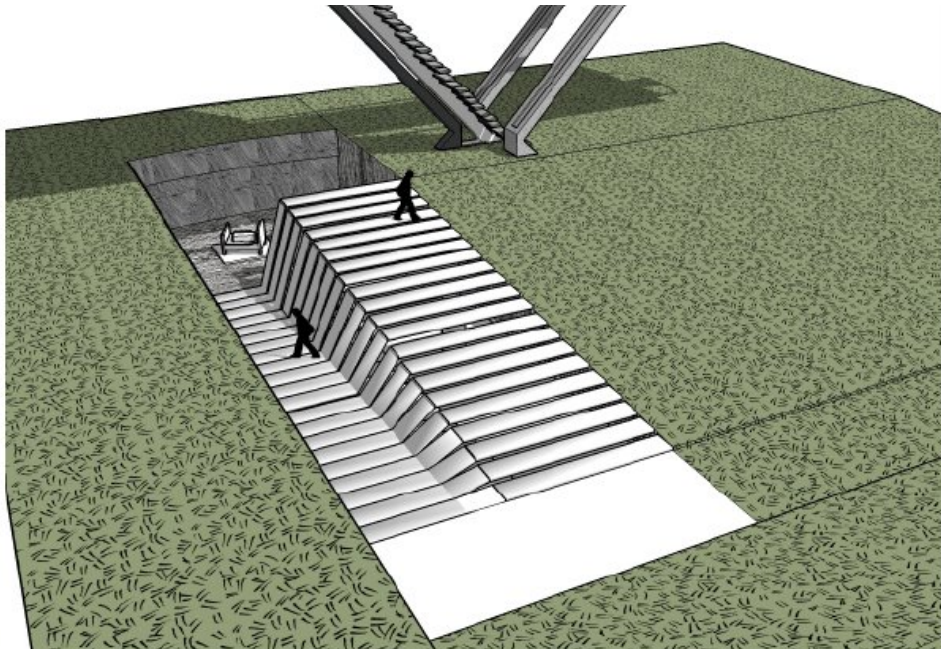
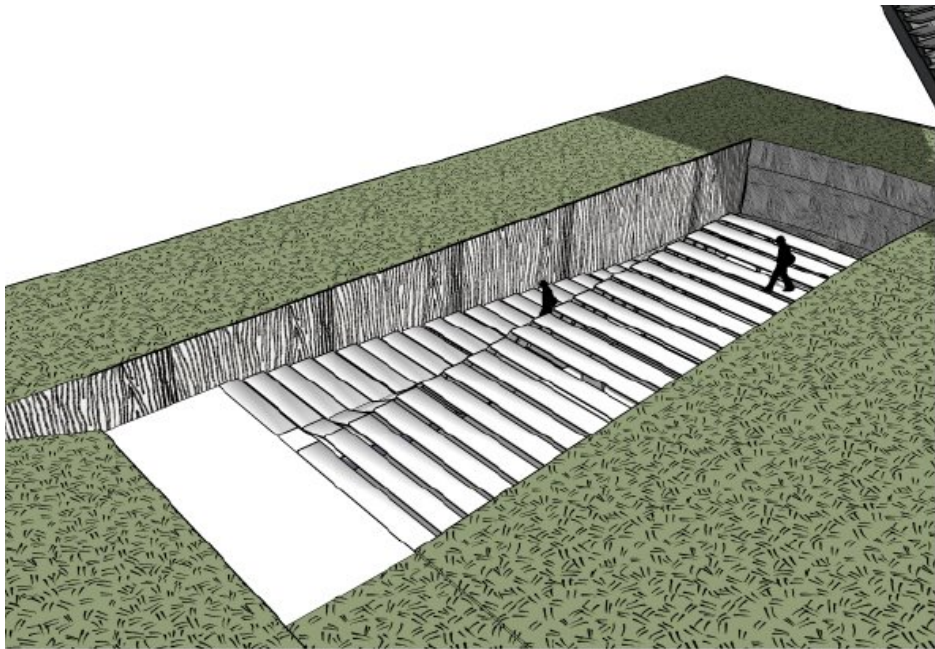


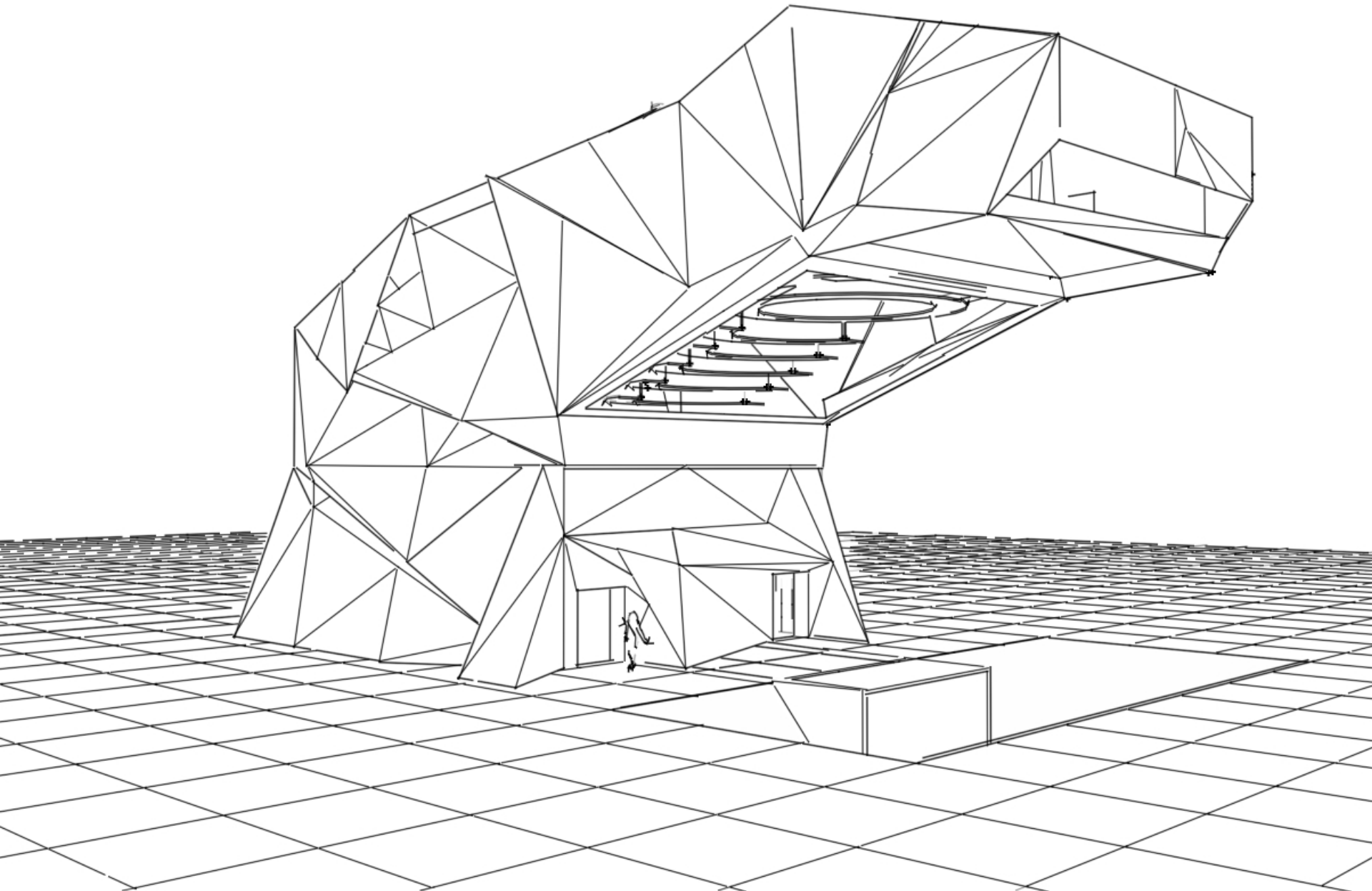


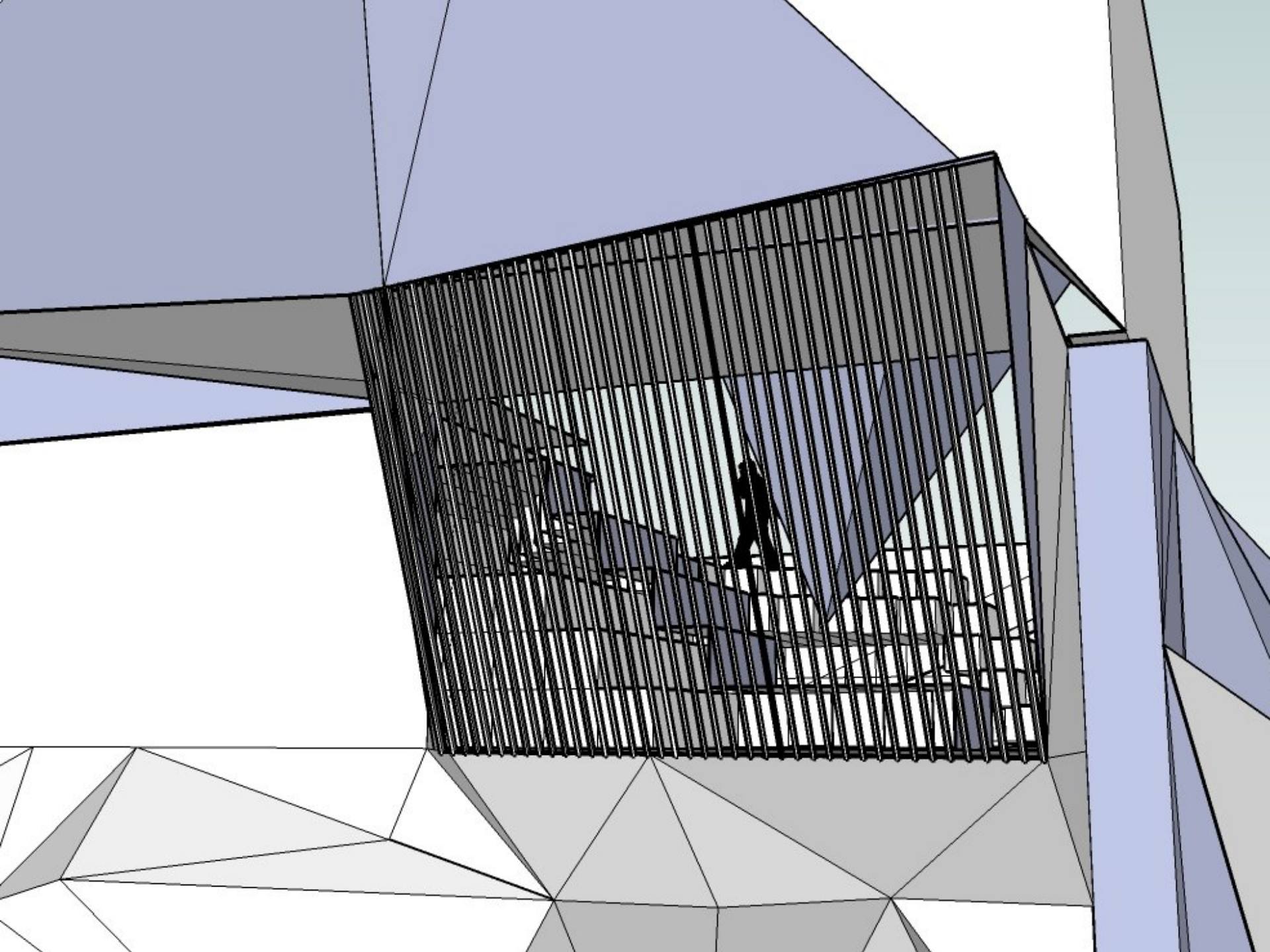






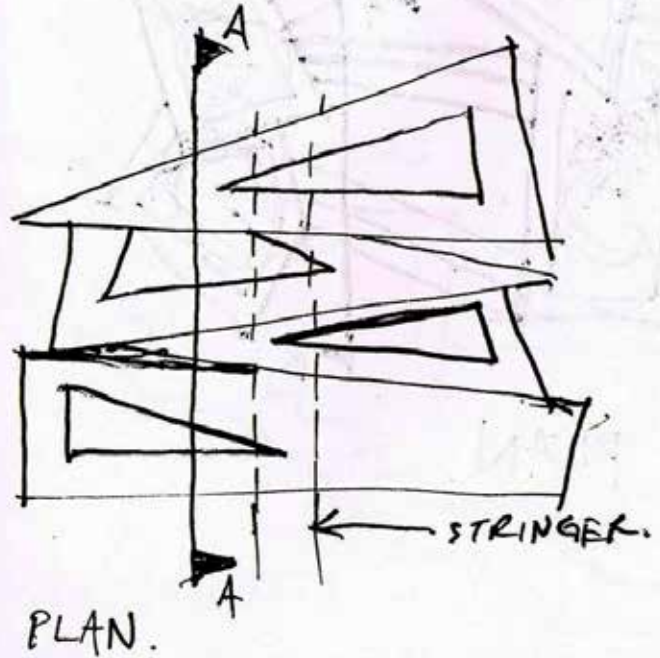
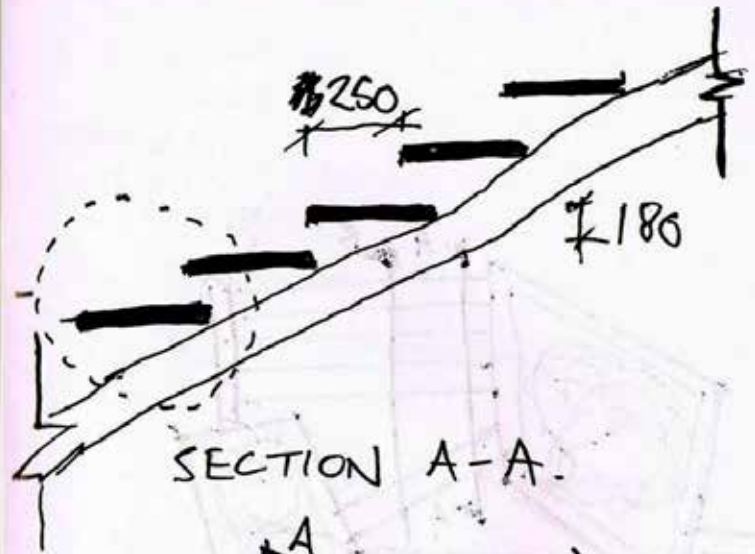
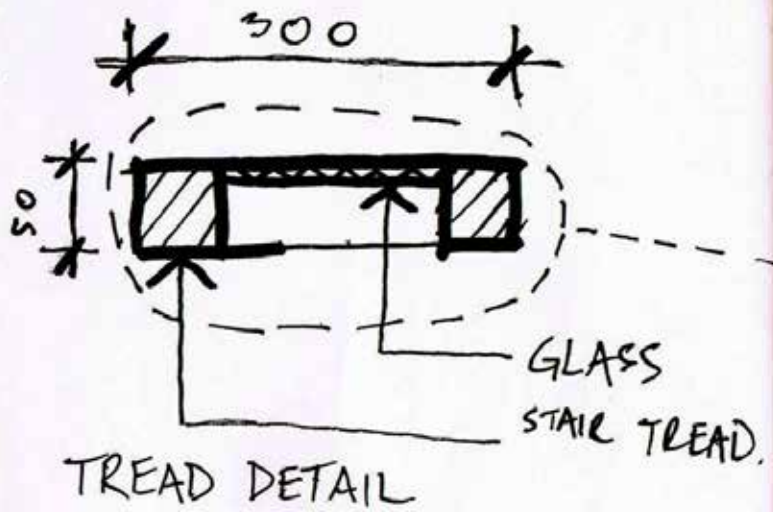


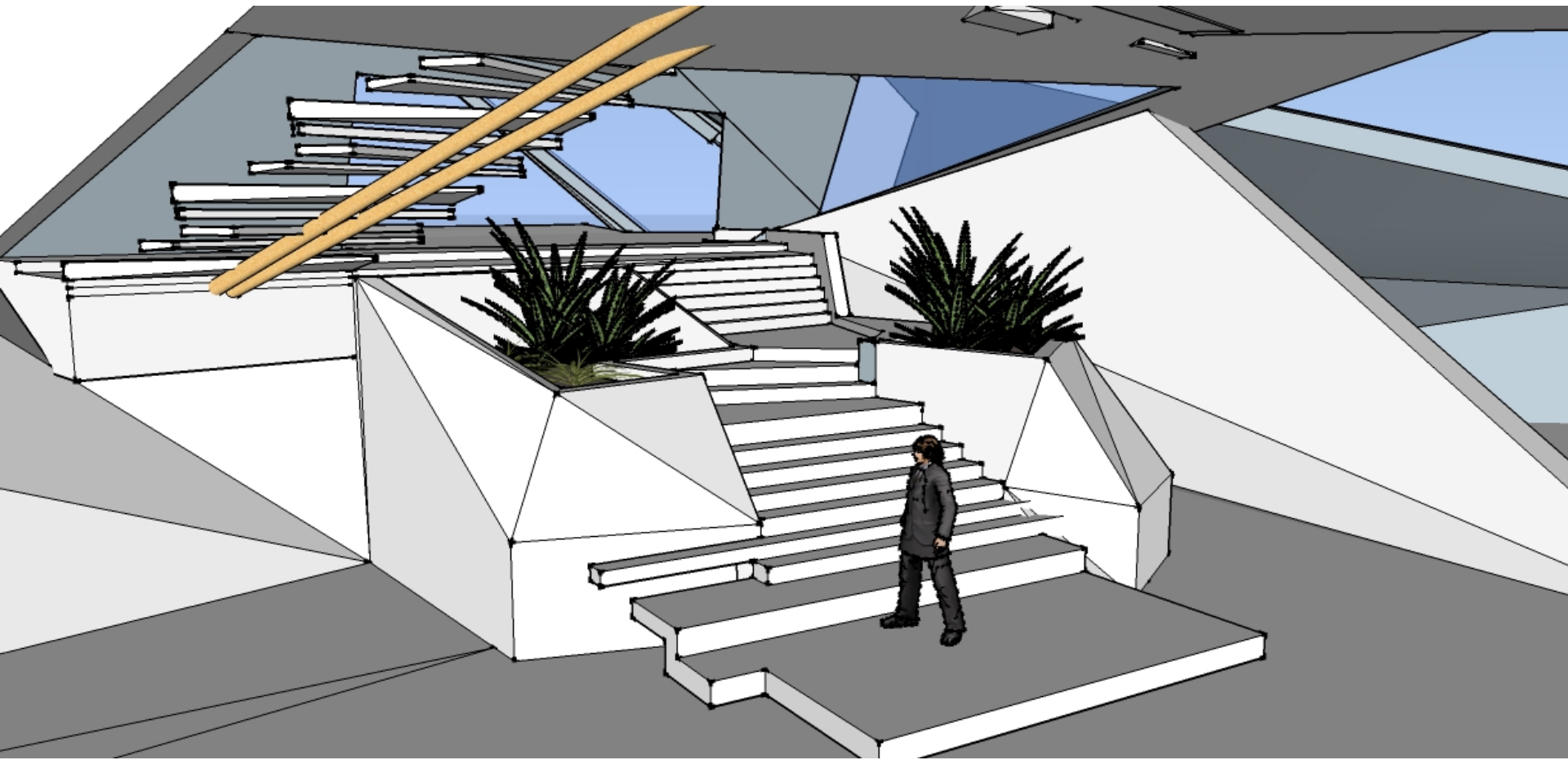




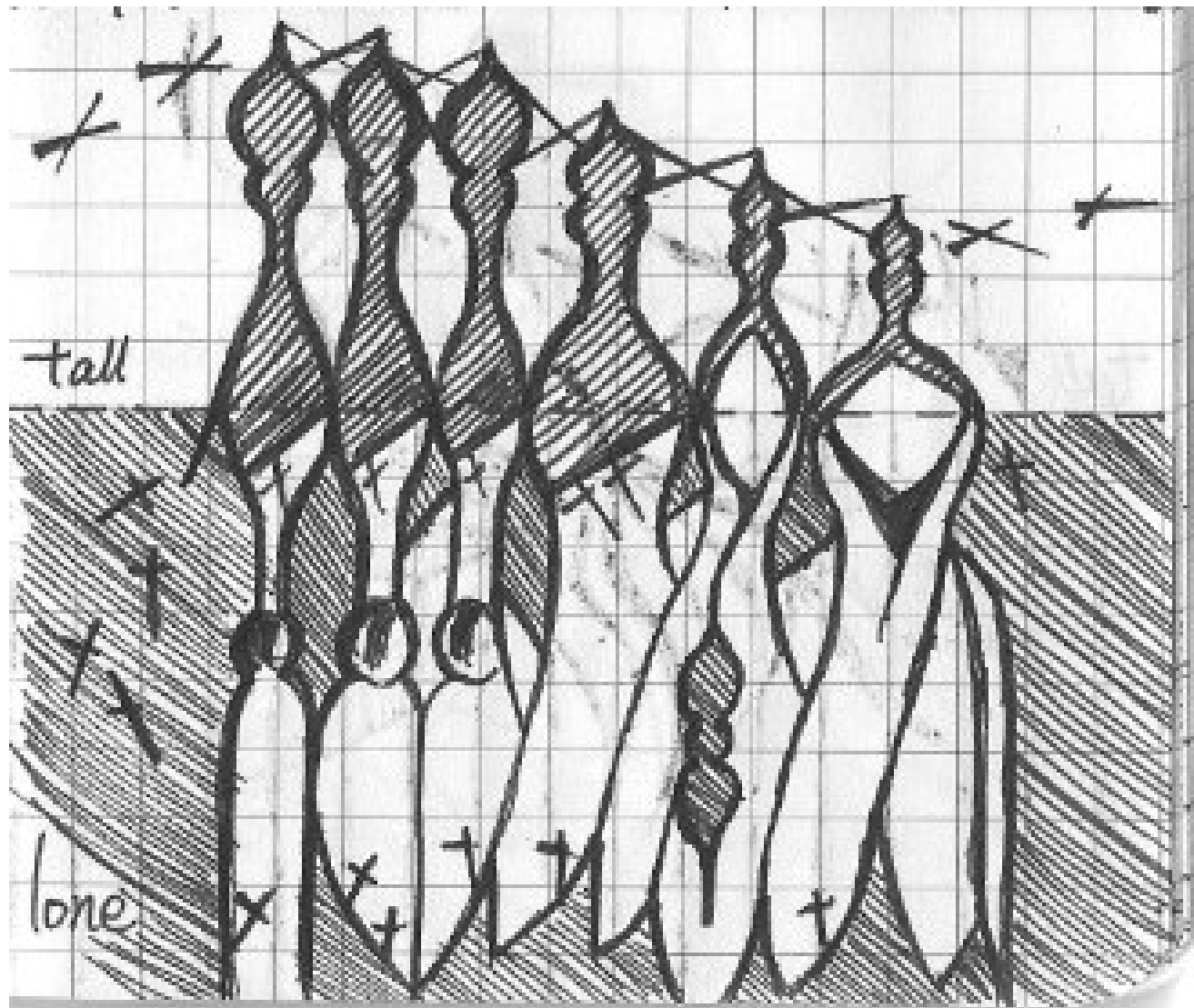
**HAYDEN**

**WOOLDRIDGE**

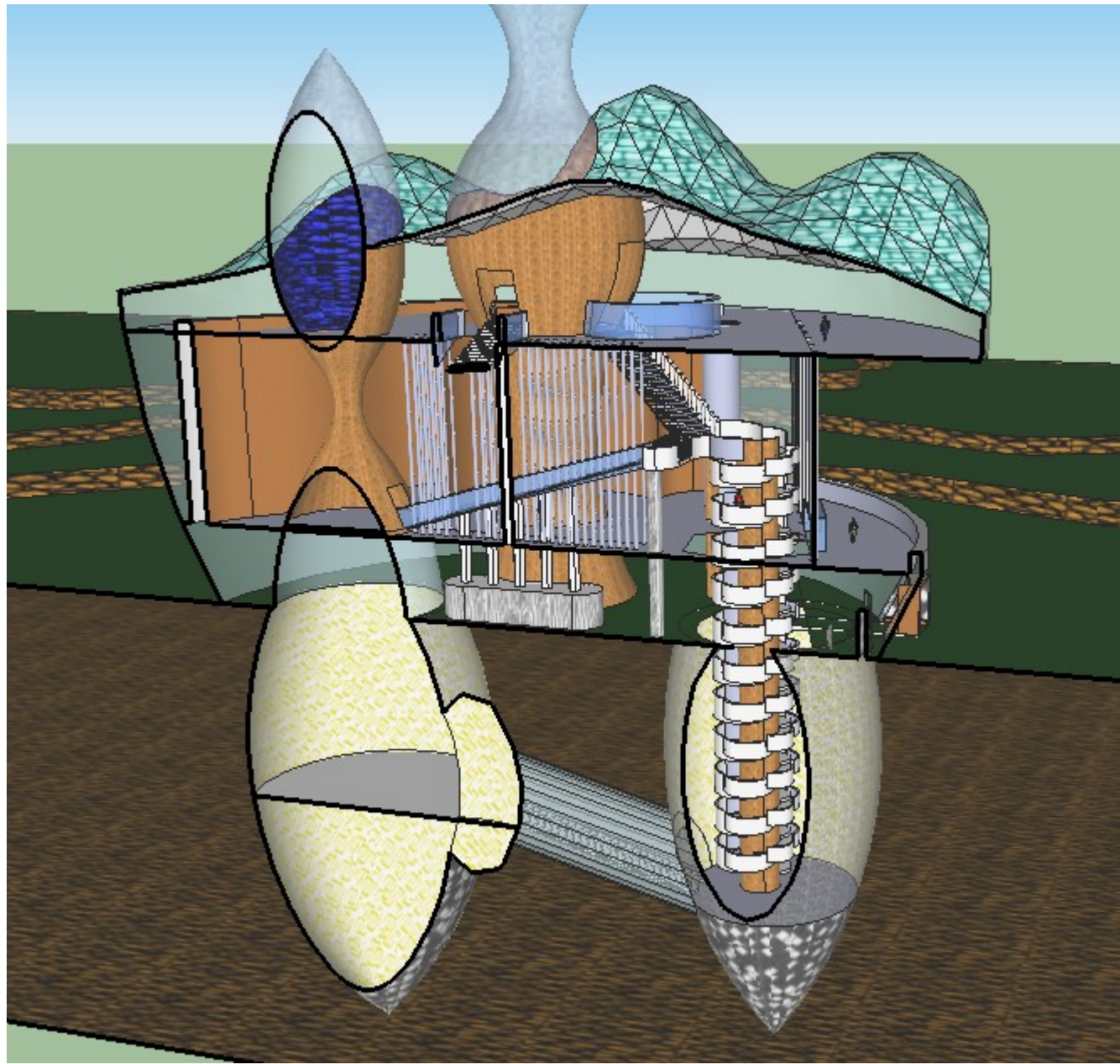




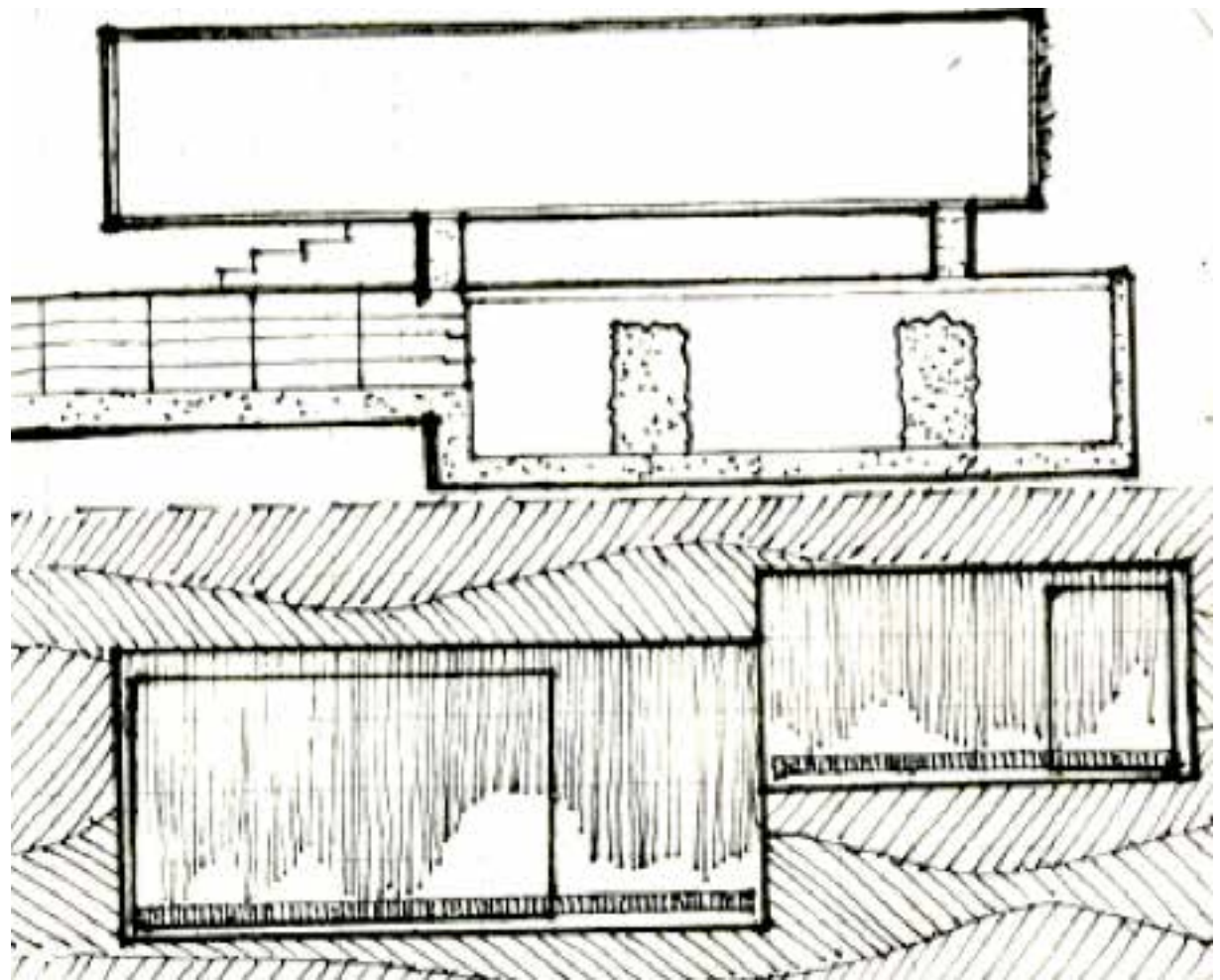
**LI QIAN**





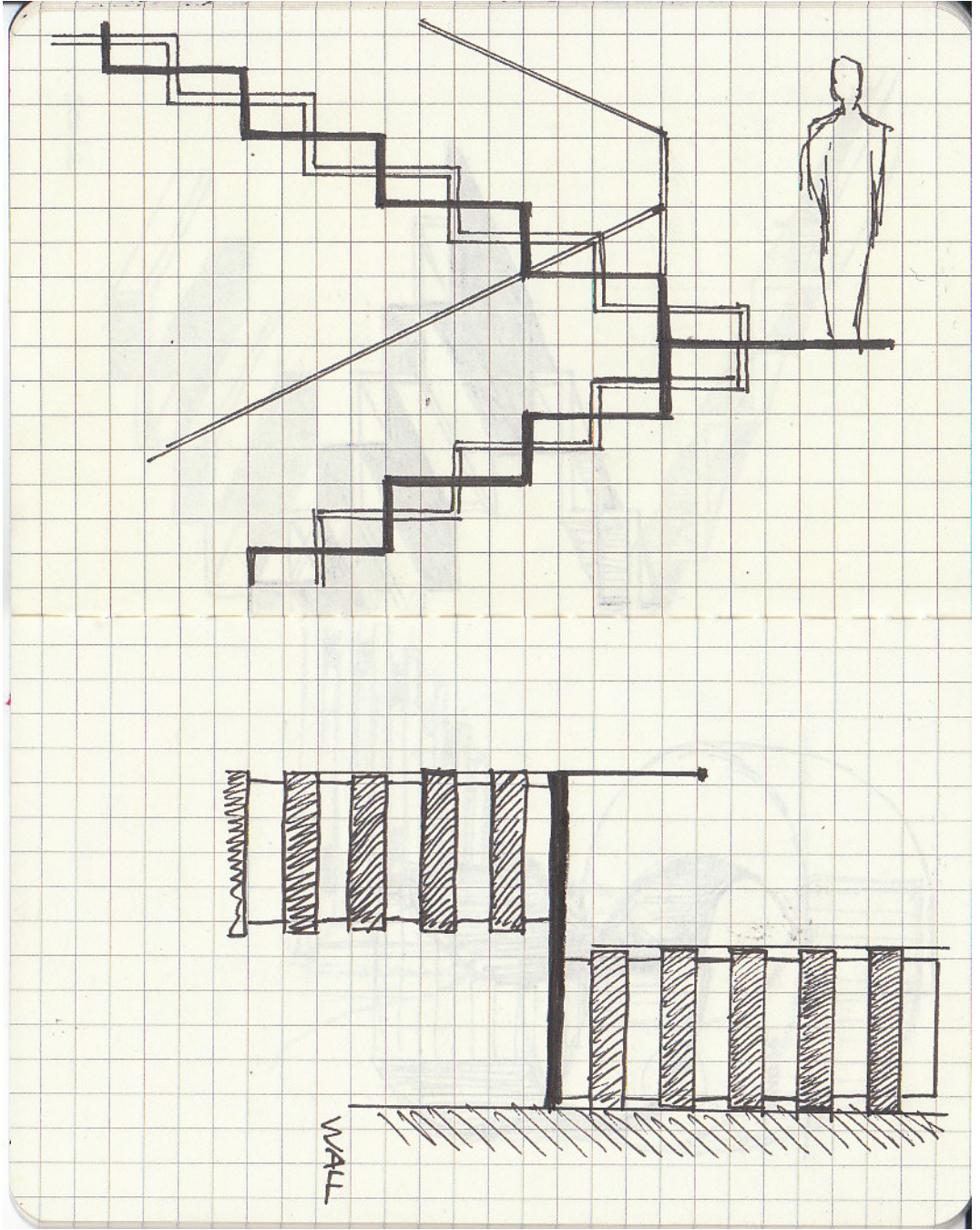


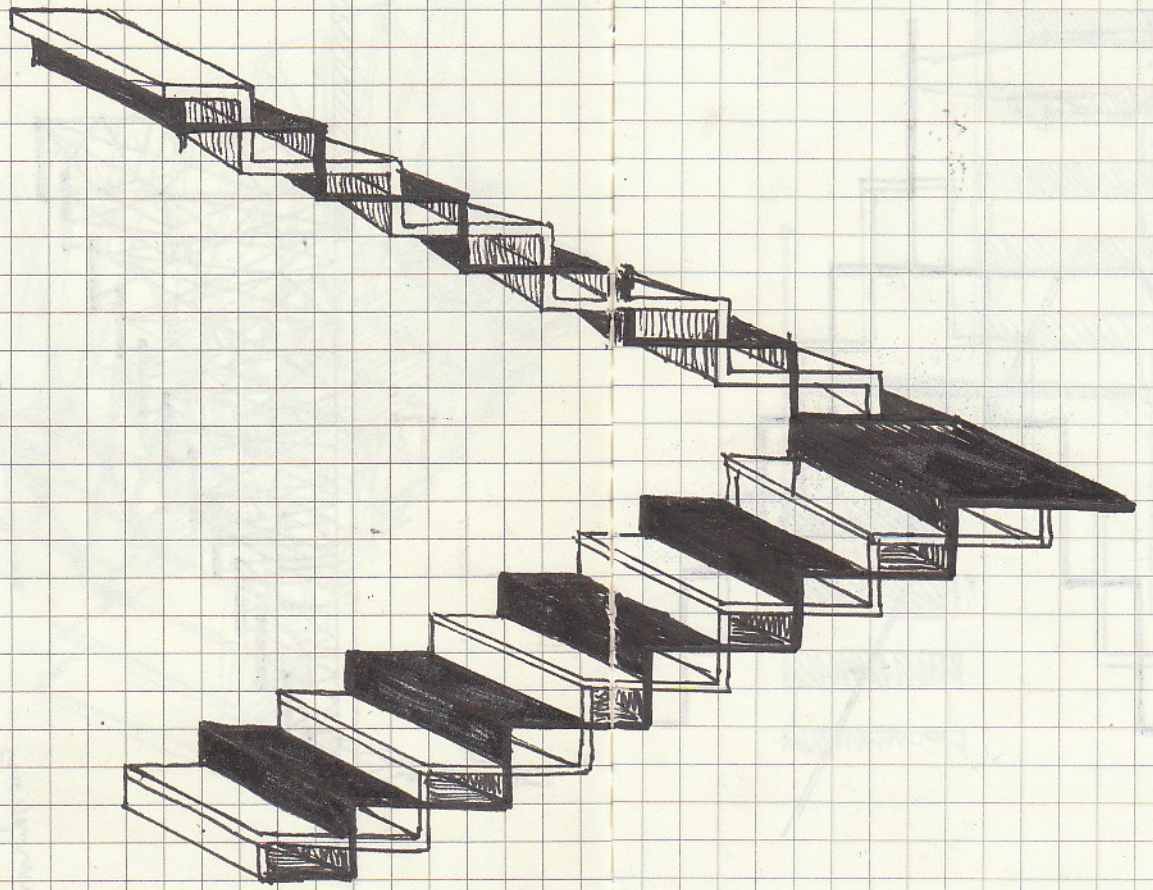
**REMI CRICK**



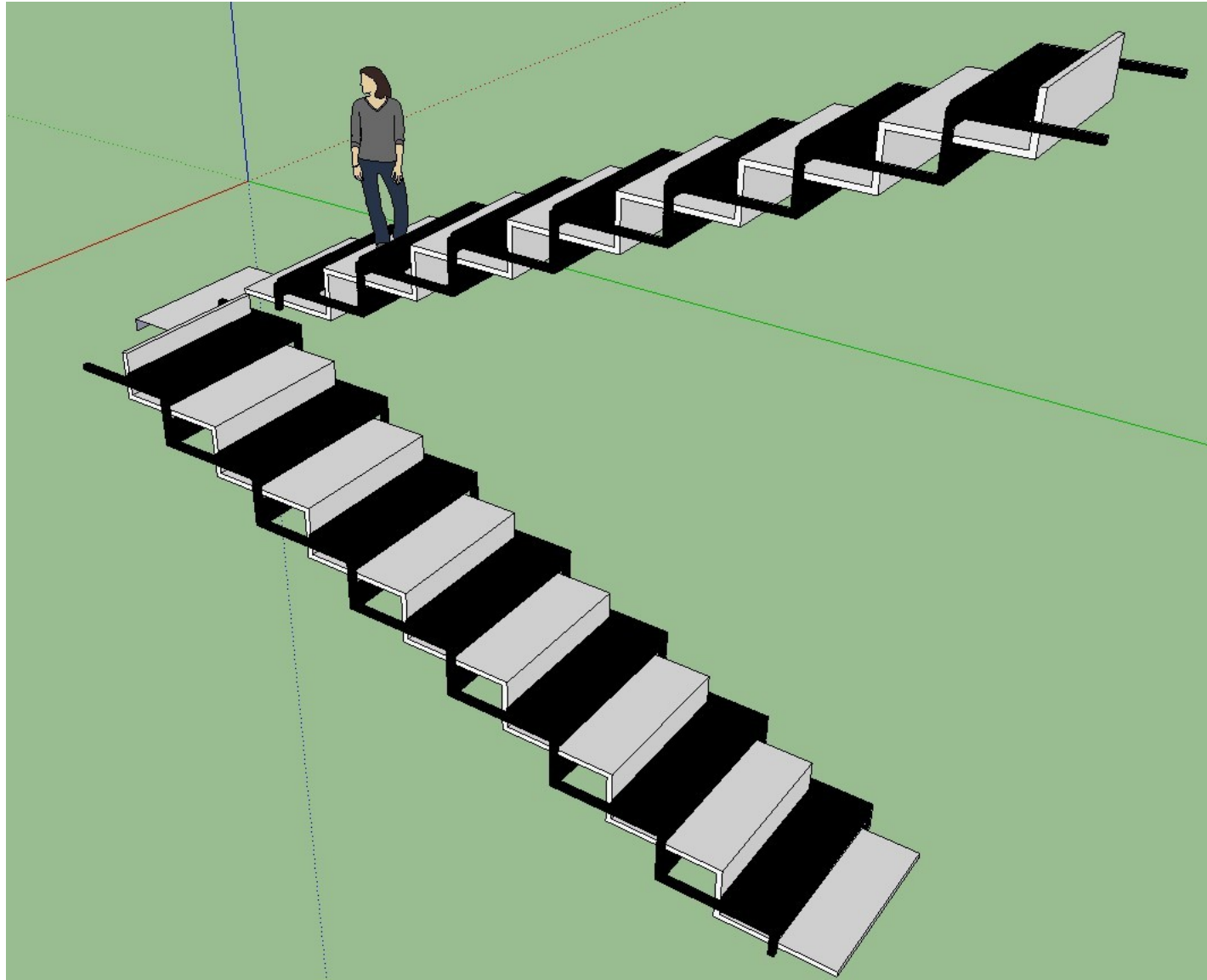


**YIMING SONG**

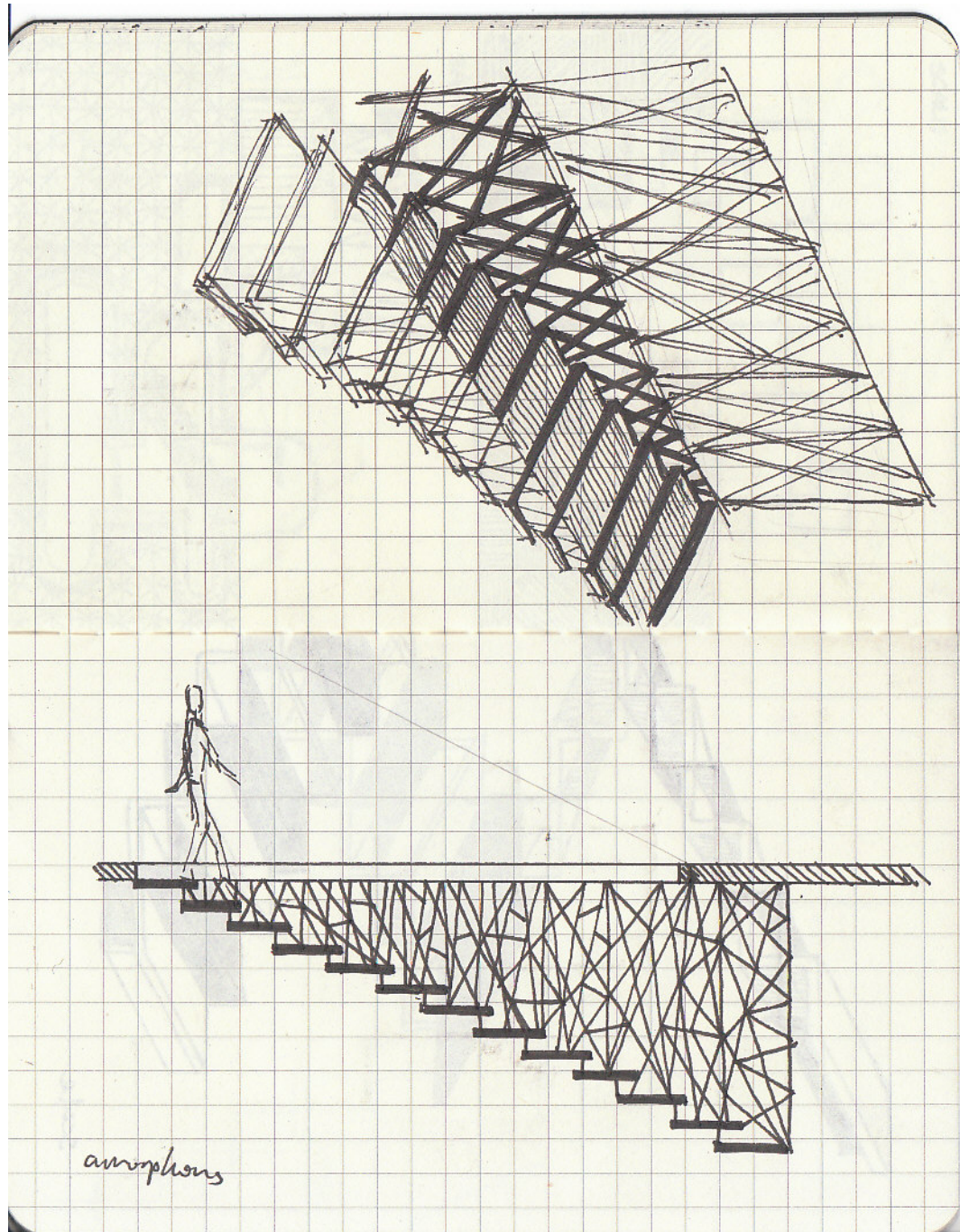




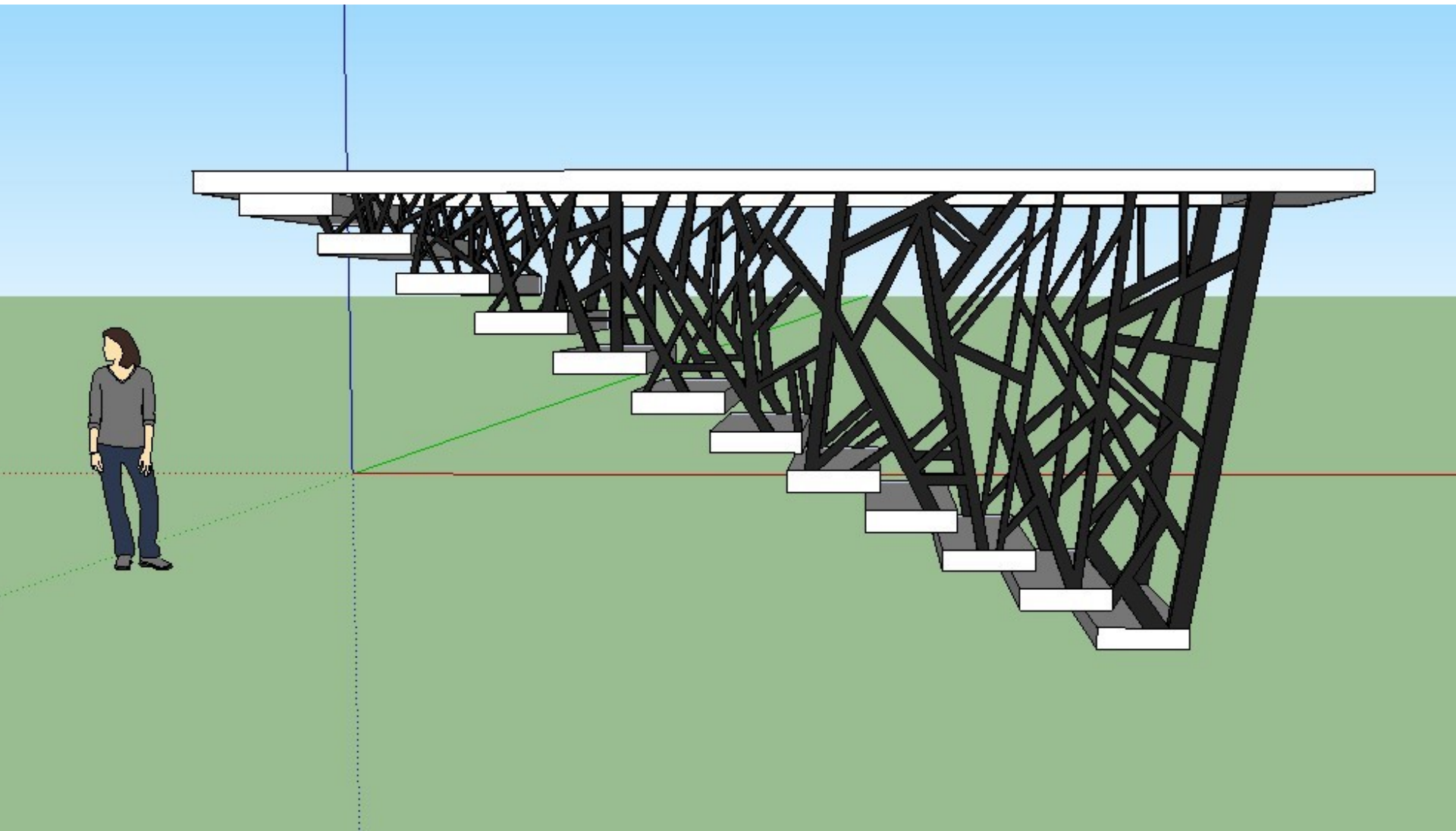
scale



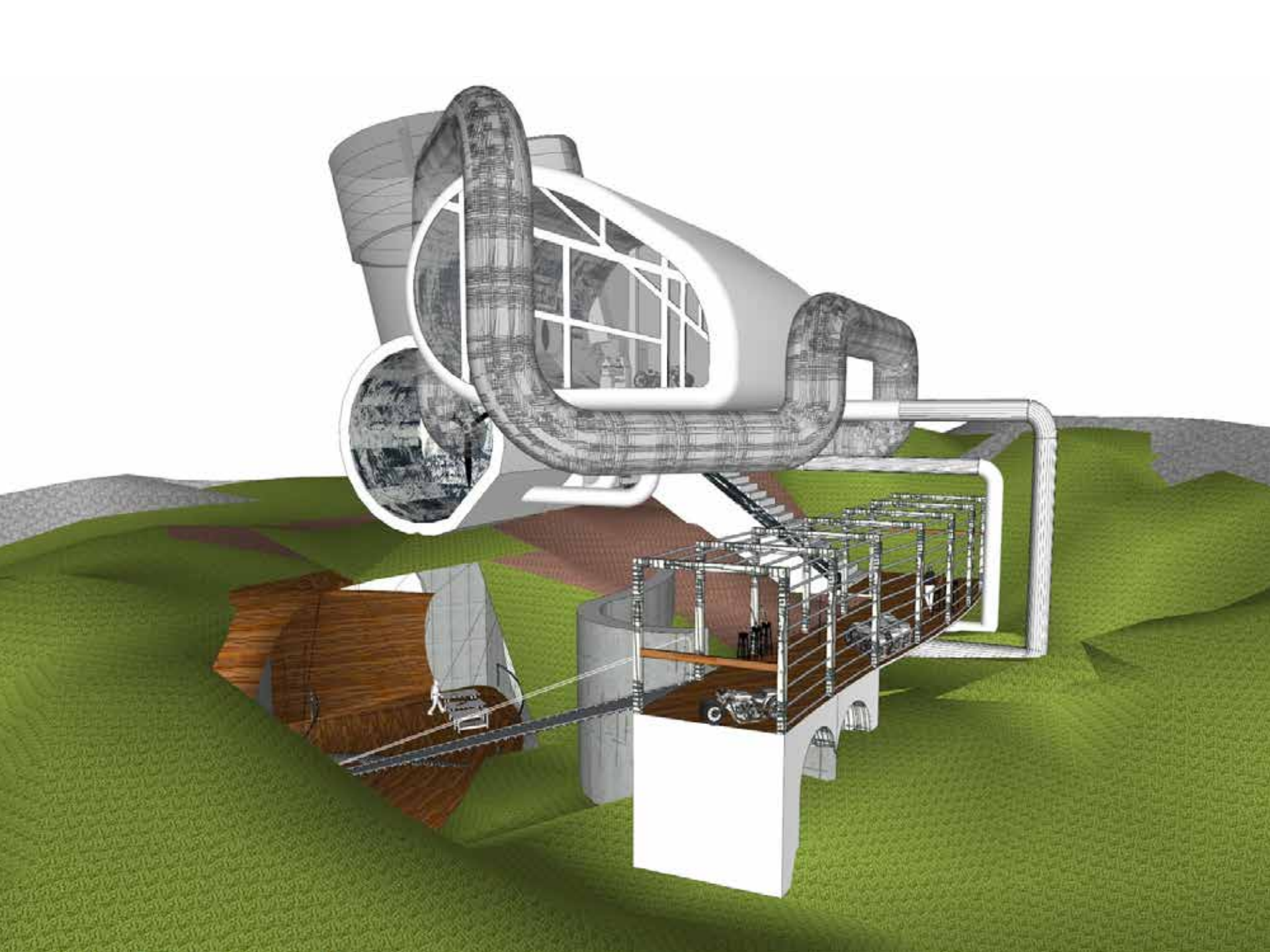


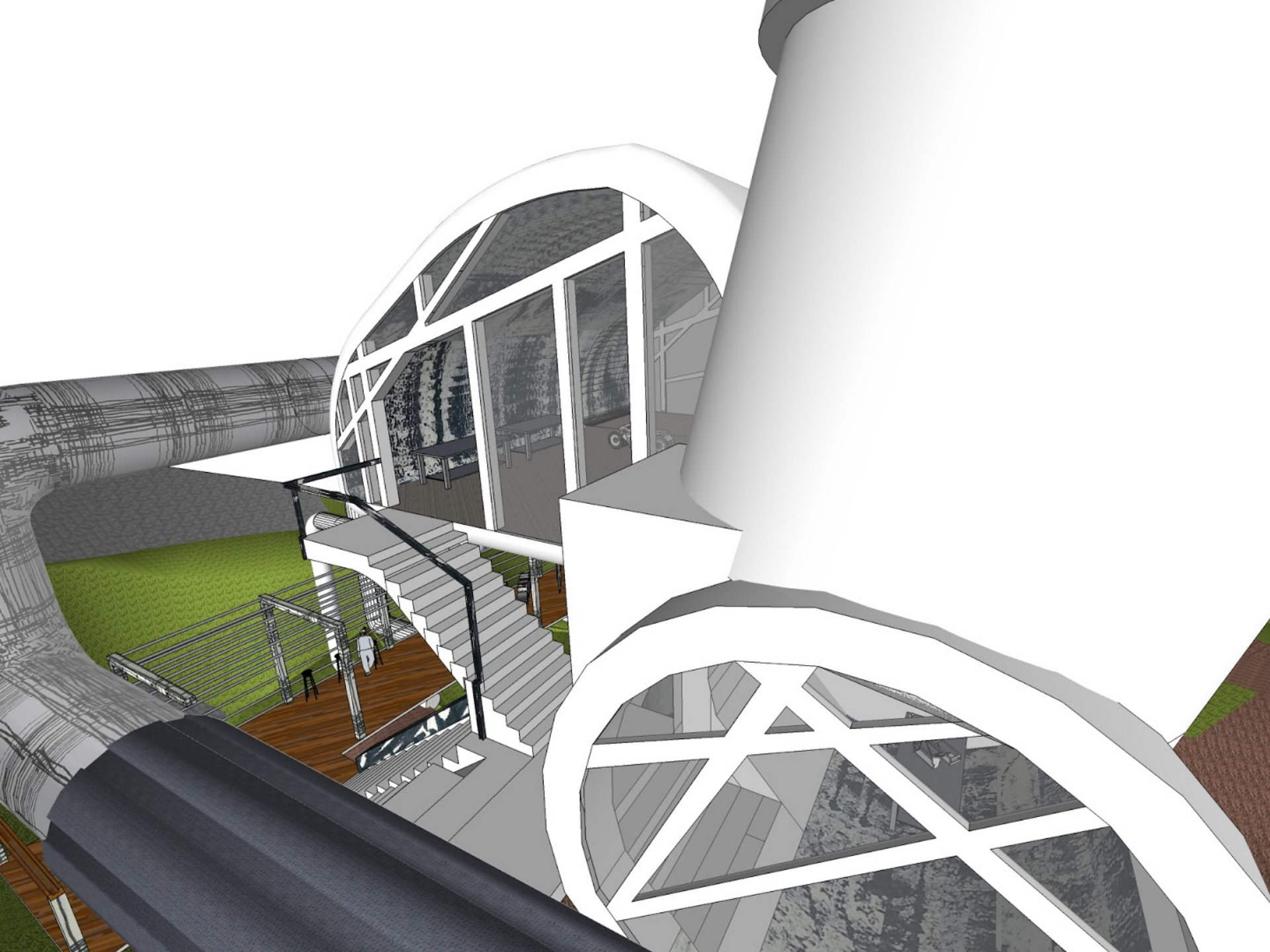


amorphous



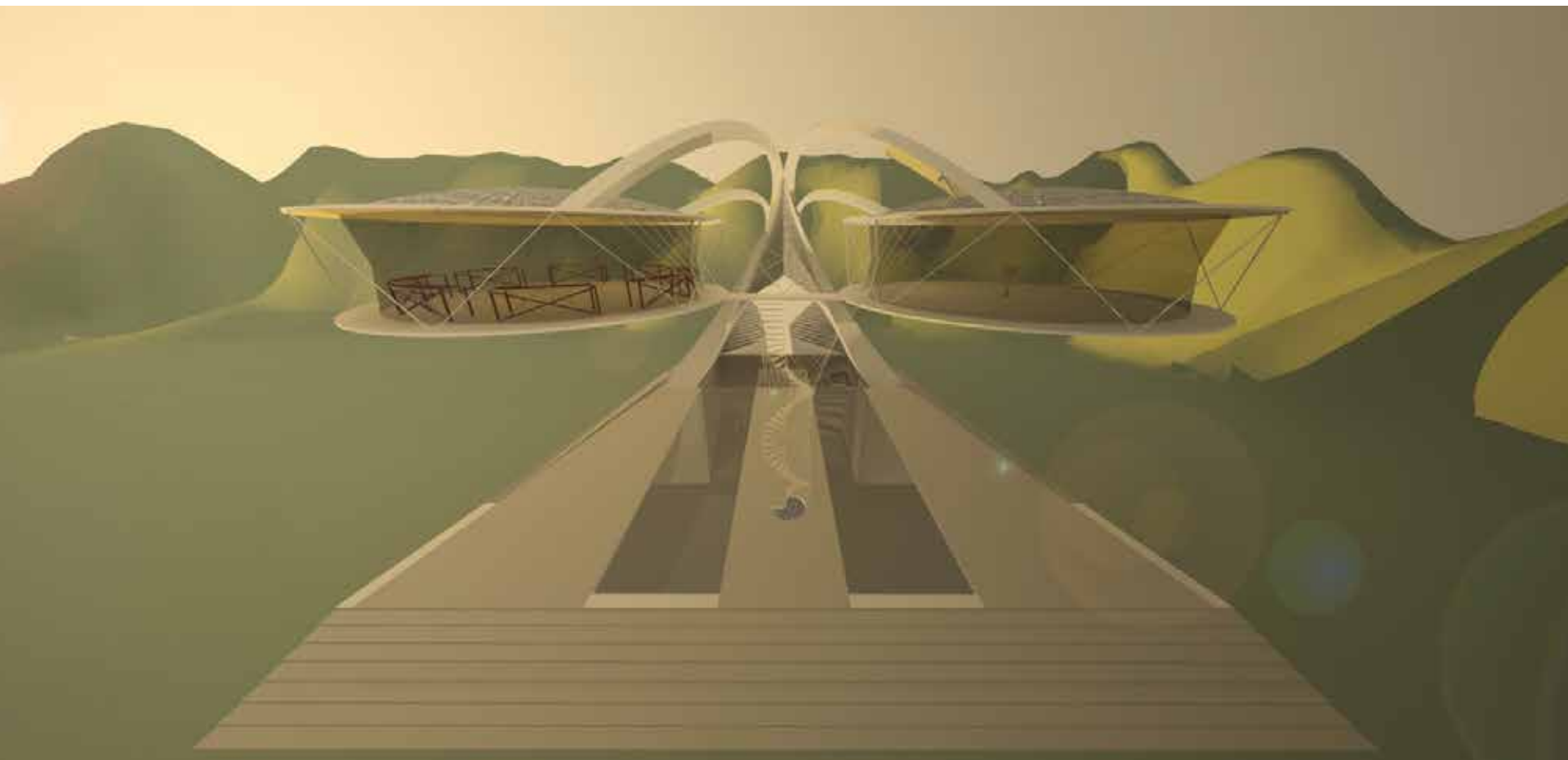
**ANDREW WEETMAN**



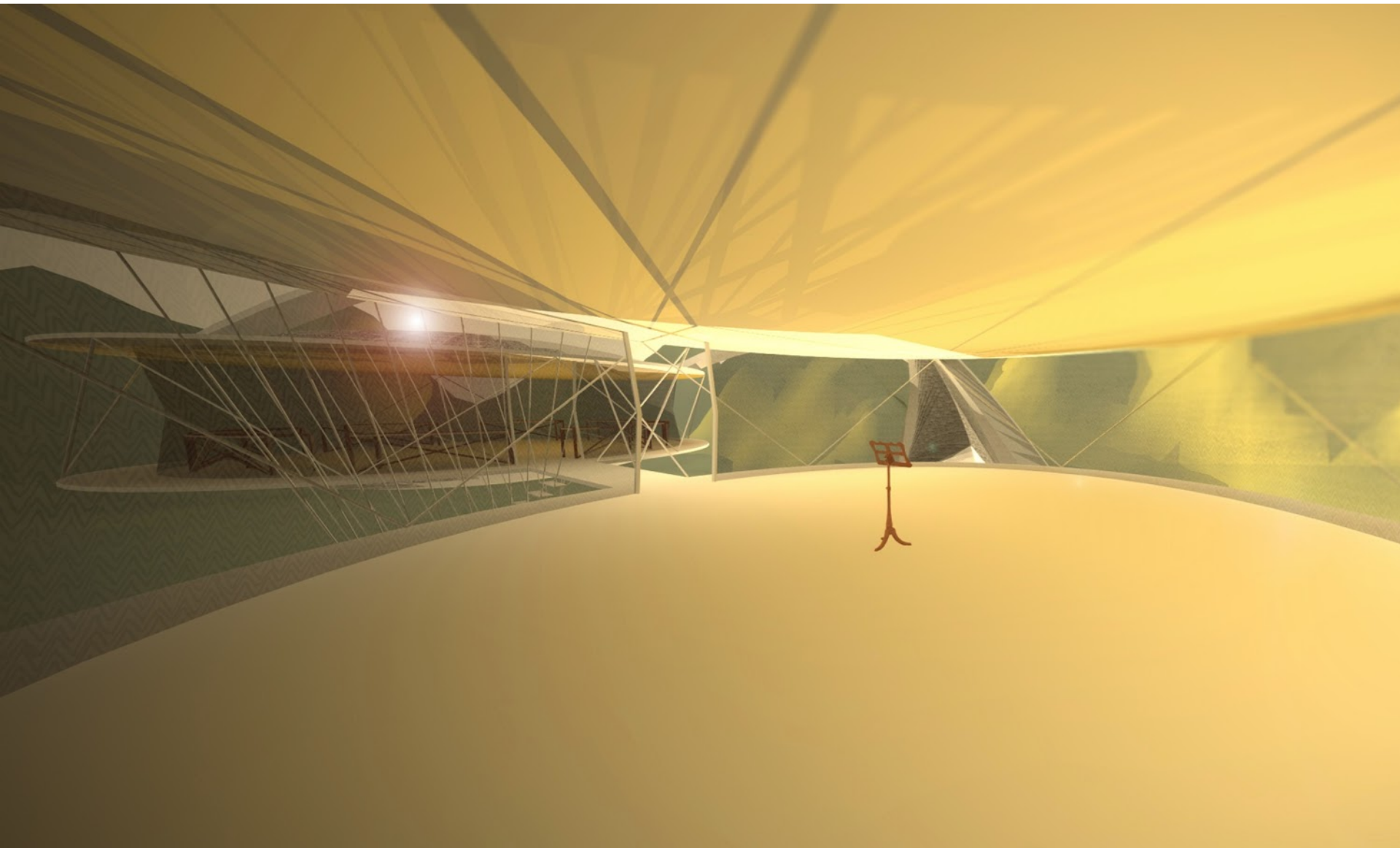


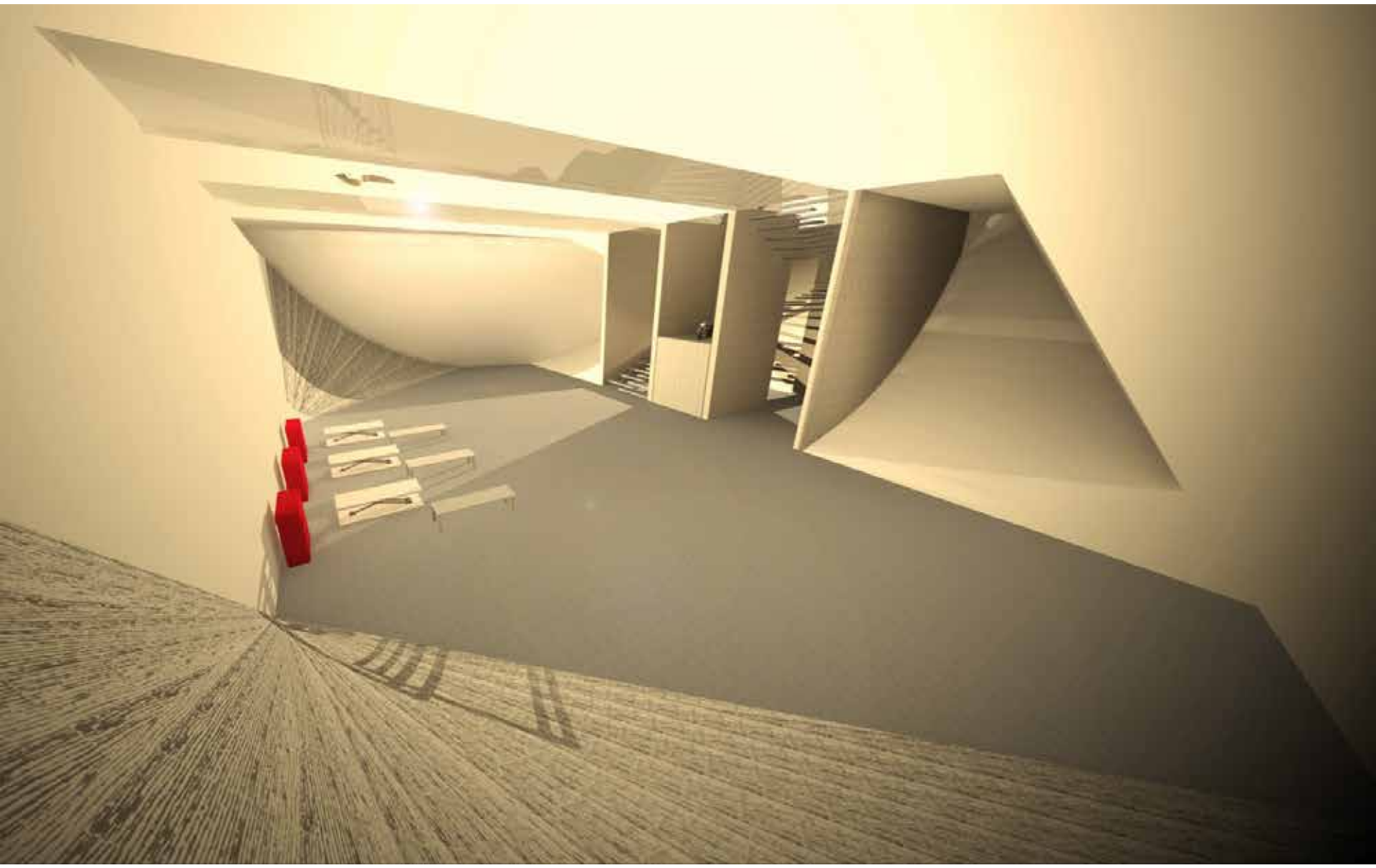


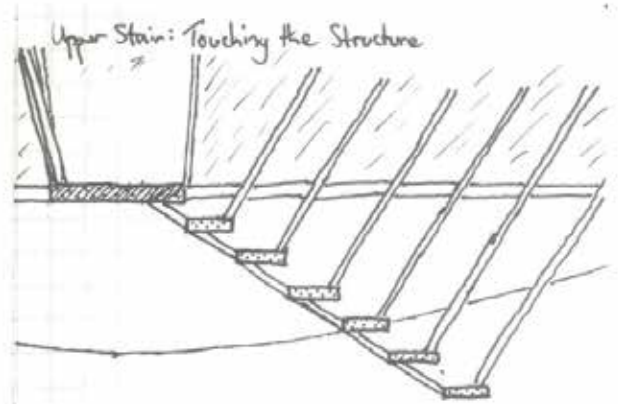
**DOMINIC BALEY**



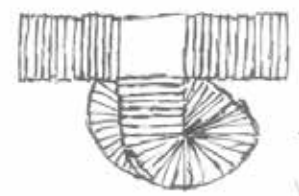
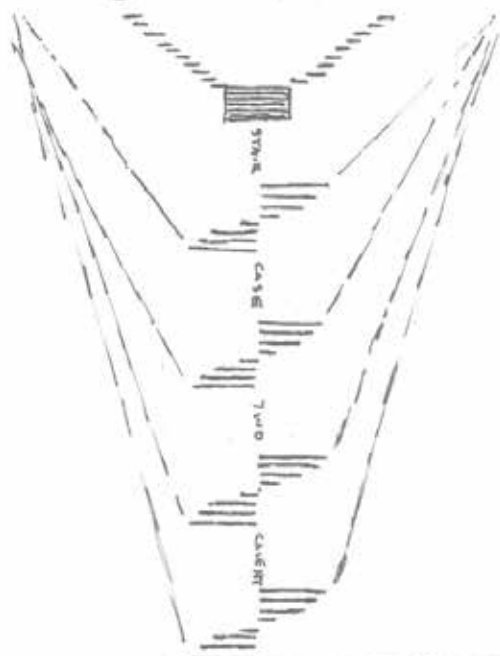








Section One



Plan

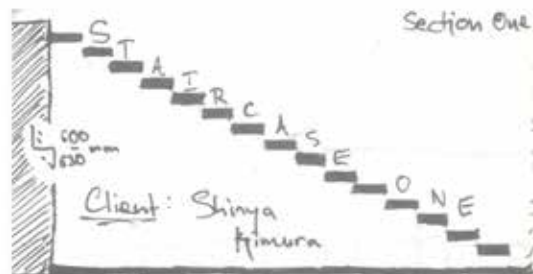
Section Two



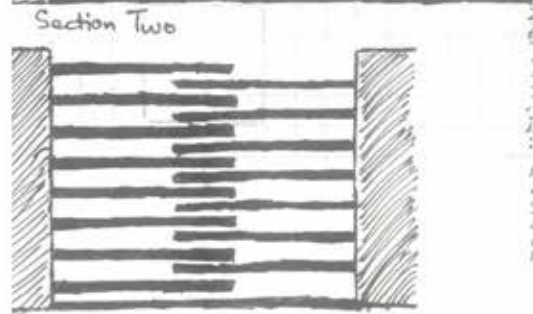
ANTONIO STRADIVARI

Why so insubstantial?  
Metaphor for the transcendent  
experience of music.

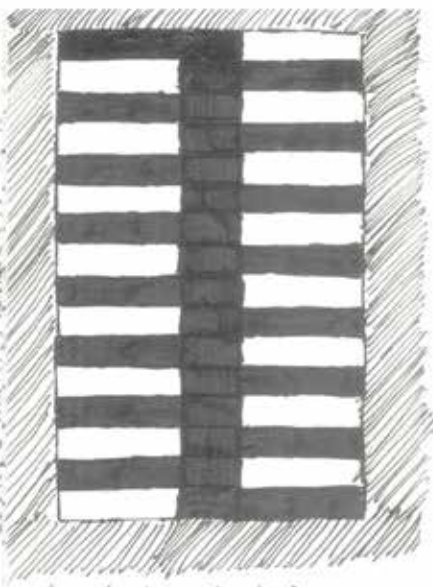
Emphasises the fragile balance of  
violin making.



Section One



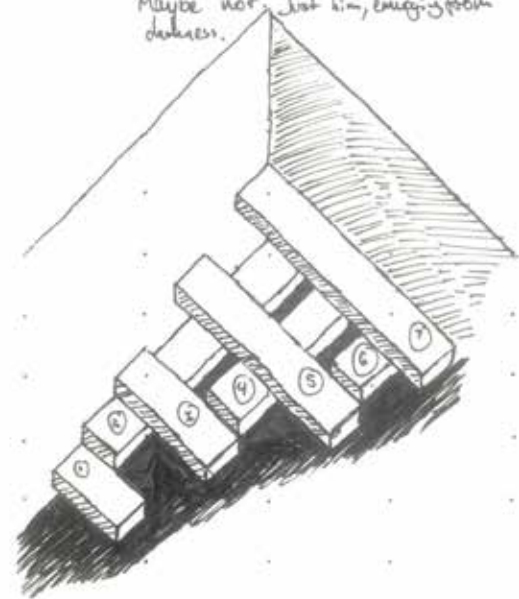
Section Two



Below Ground to Ground Plane.

Kimura

Will he bring the motorbikes up?  
Maybe not. Just him, emerging from  
darkness.

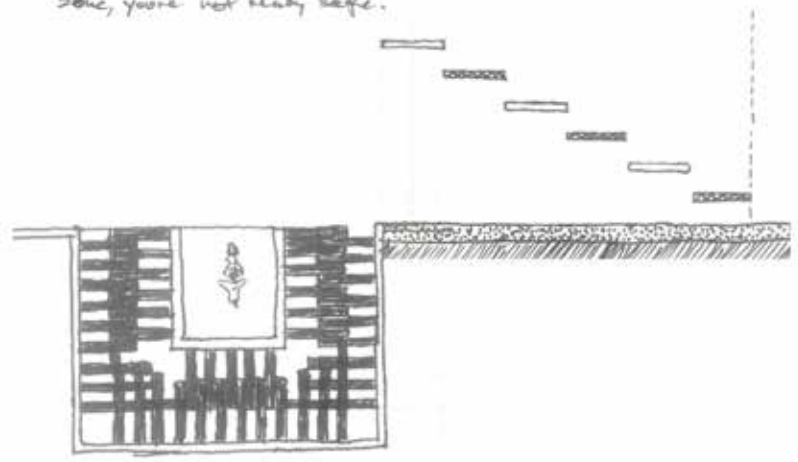


Why only the middle line?

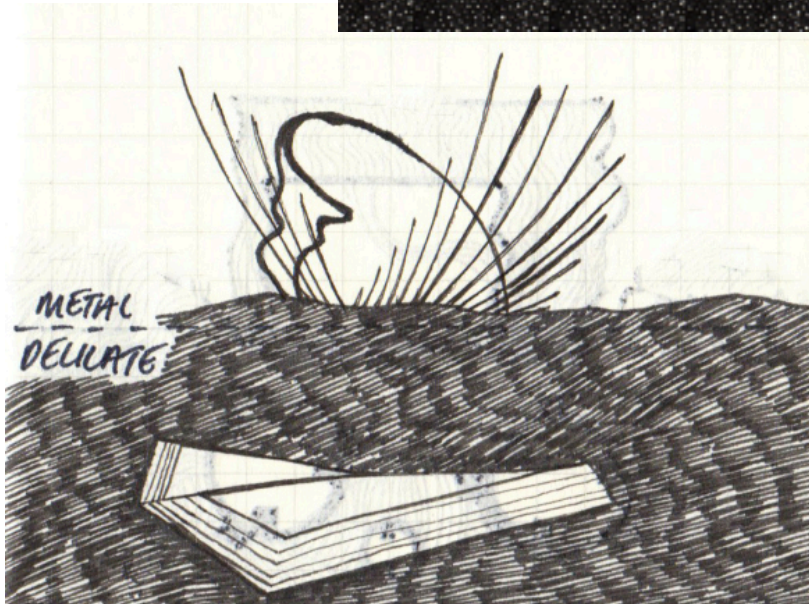
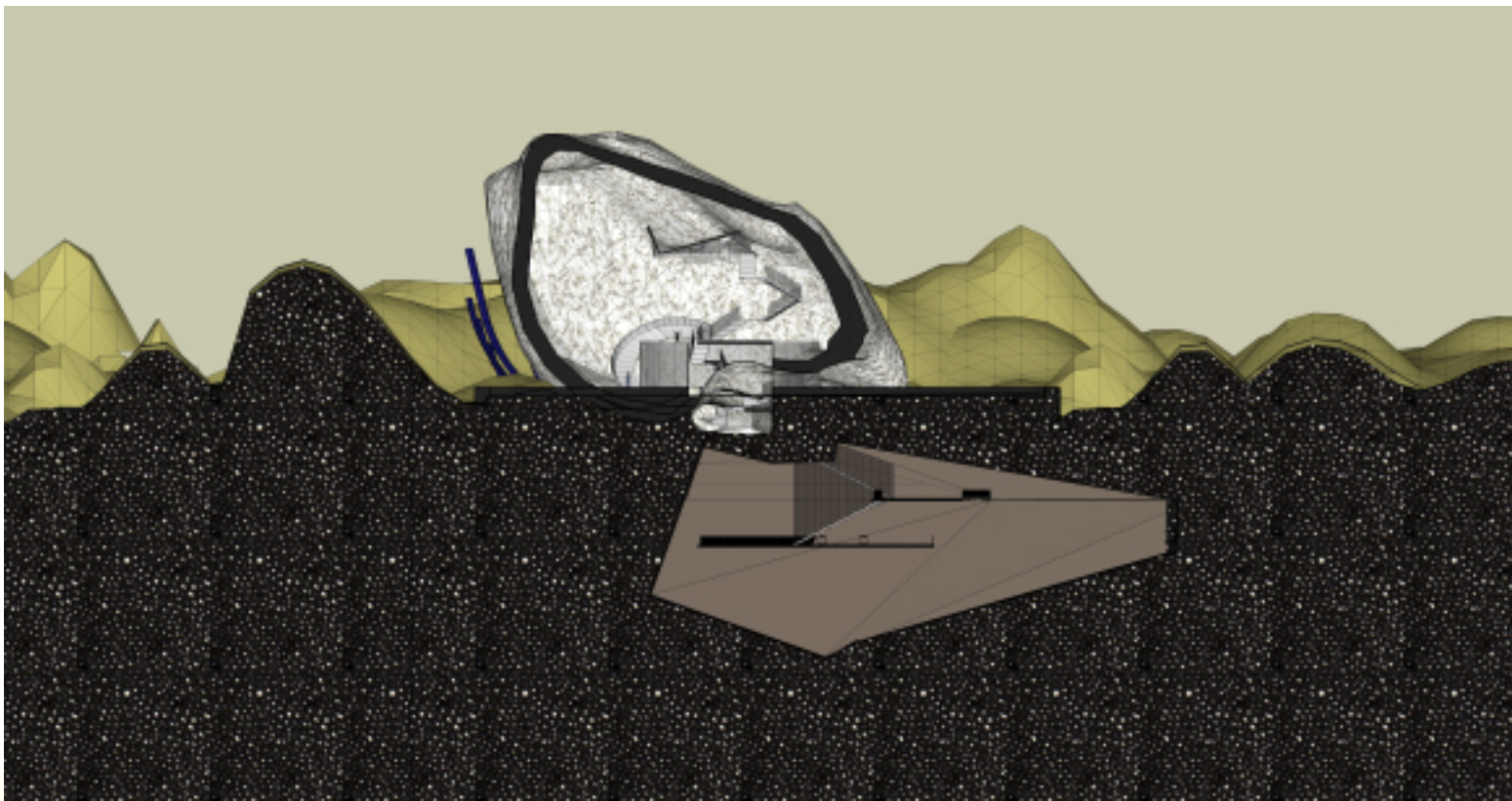
Metaphor for riding - the further you  
stay from the center line, the greater  
the danger. You must always pay  
attention.

Cantilever

Even when you are in that safe  
zone, you're not really safe.



**TANNY TAN**



VIDEO

# TODAY IN STUDIO

**Note:** Throughout the class students will be demonstrating modeling techniques using Google Sketchup.

**1.** Using the scheme you developed in SketchUp (and inspired by the stairs shown in the lecture) design two sets of stairs; one that goes from the above ground studio down to the showroom space and a second that comes from the below ground studio up to the showroom space.

**2.** Represent each stair with at least 2 sections. Keep all the notes, details and sections relating to each stair on one pair of facing pages. Or on two screens if you are using an iPhone, iPad or similar device.

**3.** In consultation with your tutor take another one of the sections created in the first studio session and design two sets of stairs for that scheme. Represent each of these new stairs with at least 2 sections.

By the end of the studio session you will have at least 8 sections (representing 4 sets of stairs).

**QUESTIONS?**