

confrontation

bo wang

thesis submitted to the faculty of virginia polytechnic institute and state university
in partial fulfillment of the requirement for the degree of

master of architecture in architecture

steven r. thompson

frank h. weiner

heinrich schnoedt

10 august ,2018
blacksburg, va

key words: confront, between, wall, memory, movement

Abstract

This work seeks a sense of confrontation through constructing walls against the mountain landscape. The thesis document demonstrates this confrontation through four schemes: a bridging wall with courtyards and tower (70 ft in height), a concrete wall (80 ft in height), a fabric wall (80 ft in height), a steel skeleton wall (120 ft in height), and a solid wall with steel plates (24 ft in height). The surfaces color in all schemes is similar, but material means change with each scheme. All walls are designed to be built on the mountain lake of San Bernardino Pass in Switzerland.

The document contains pencil and charcoal drawings, sketches, soft pastels drawings, digital projections, and model photographs.

i wish to express my great gratitude to my committee.

i wish to express my gratitude to my parents for the
greatest and unconditioned love.

i wish to express my grateful to Sui for the greatest love
and support.

table of contents

01 inception

05 scheme 1

15 scheme 2

27 scheme 3

33 scheme 4

54 appendix

62 list of figures

inception

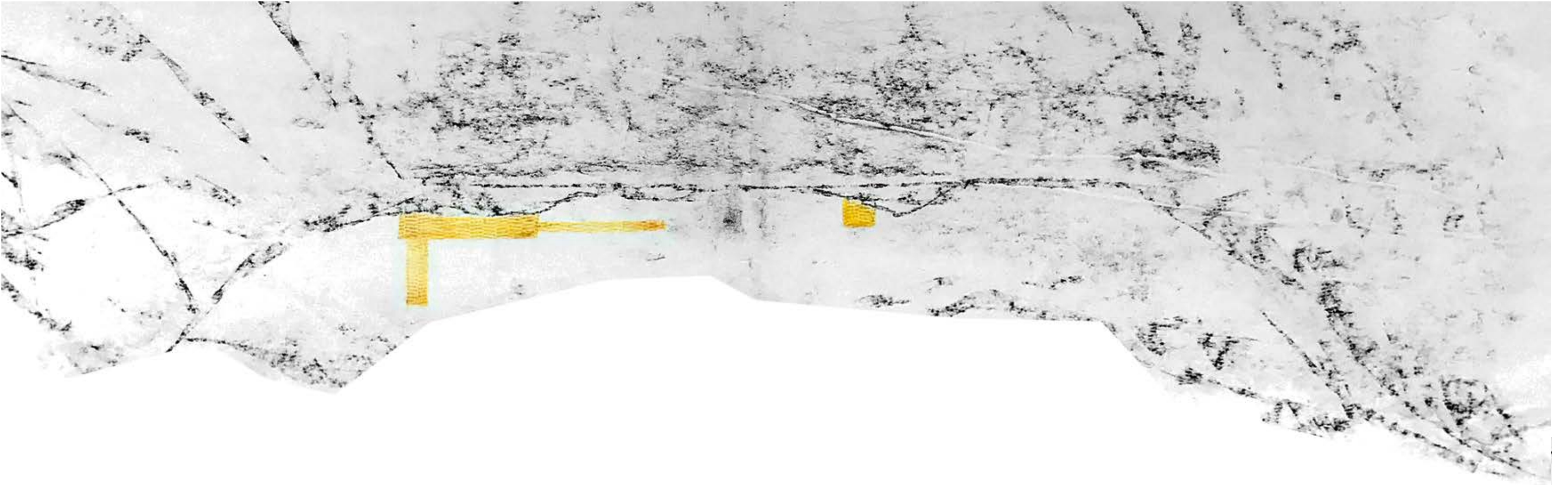


fig.1

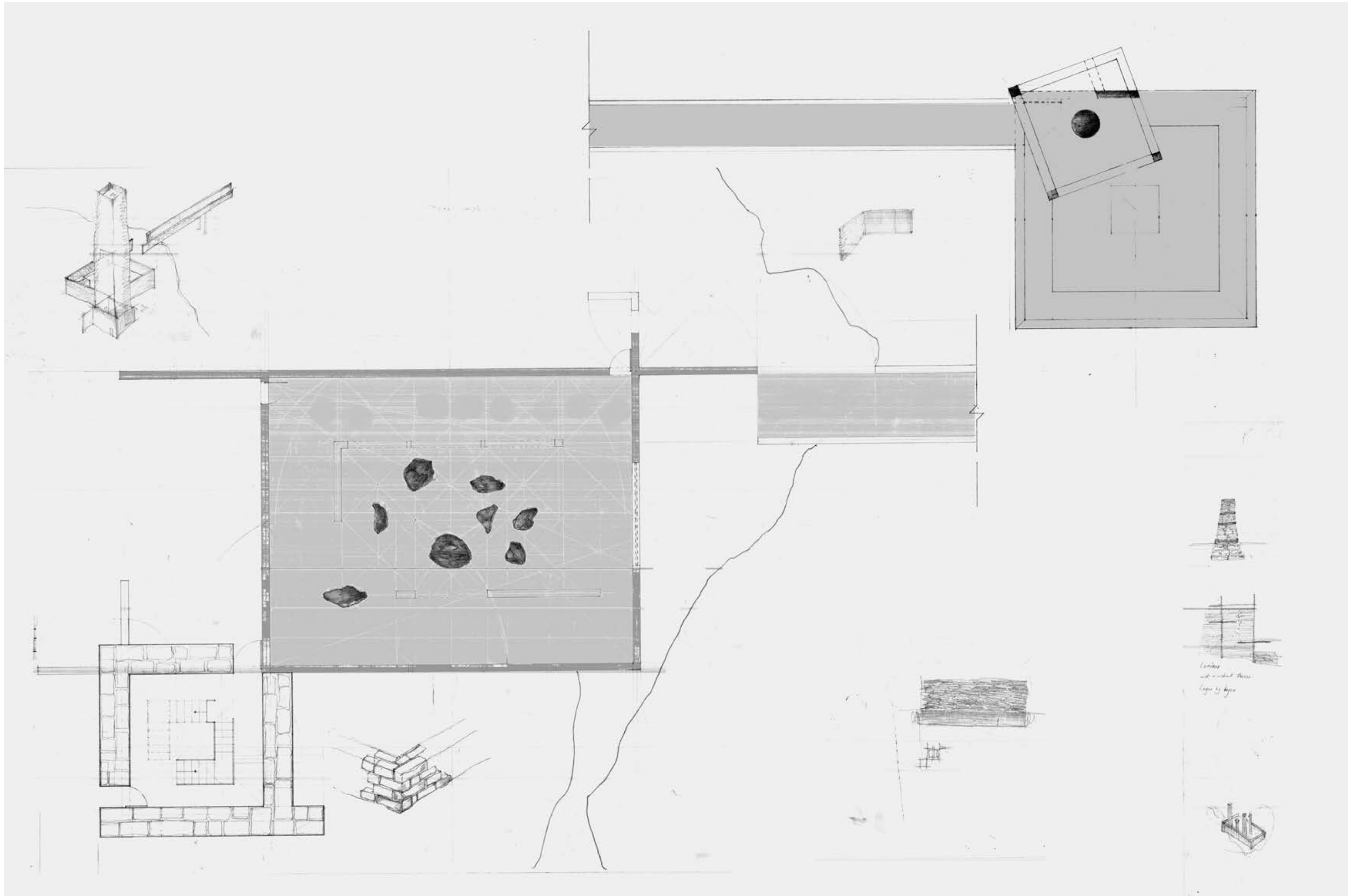


fig.2

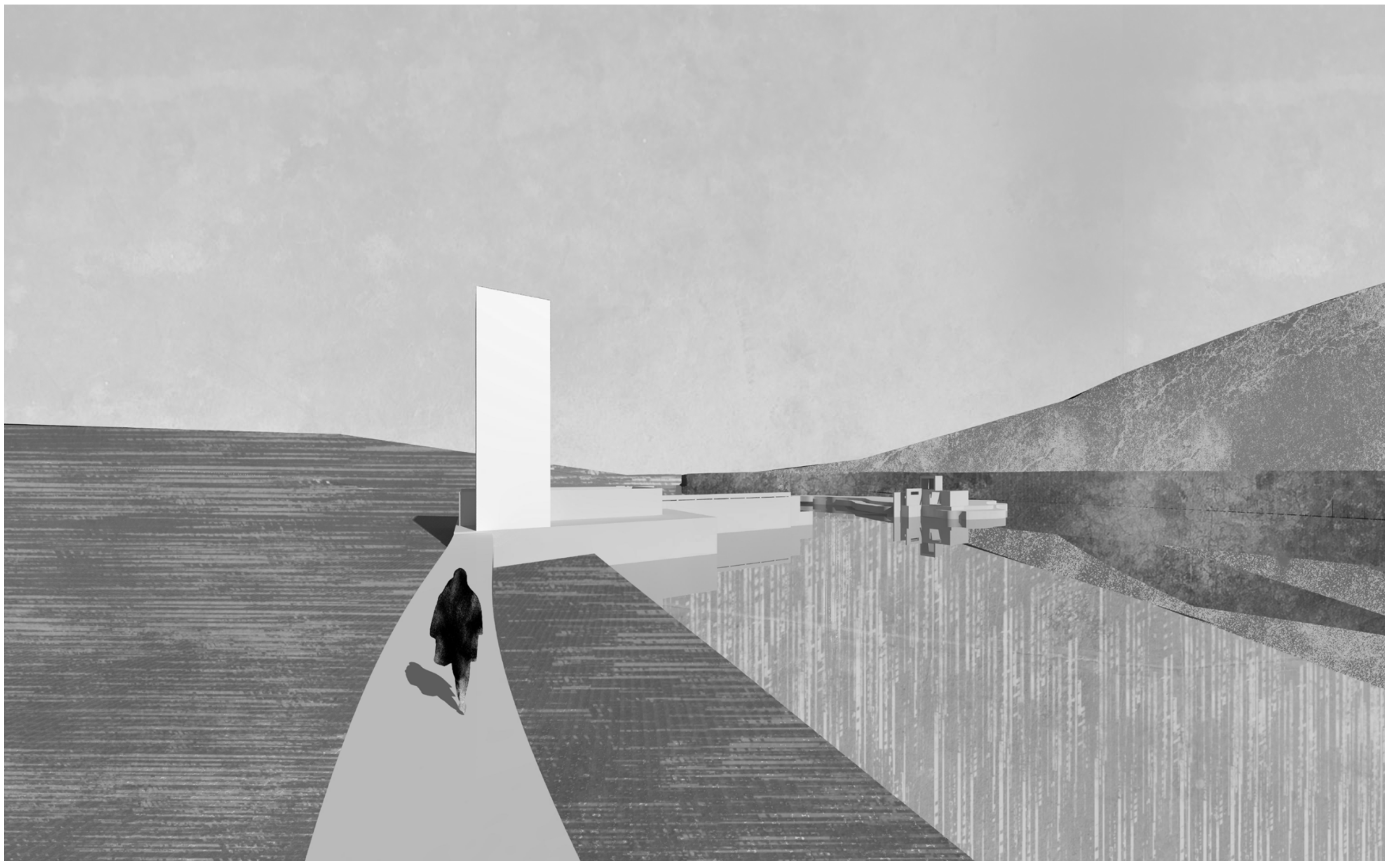


fig.3

Scheme 1

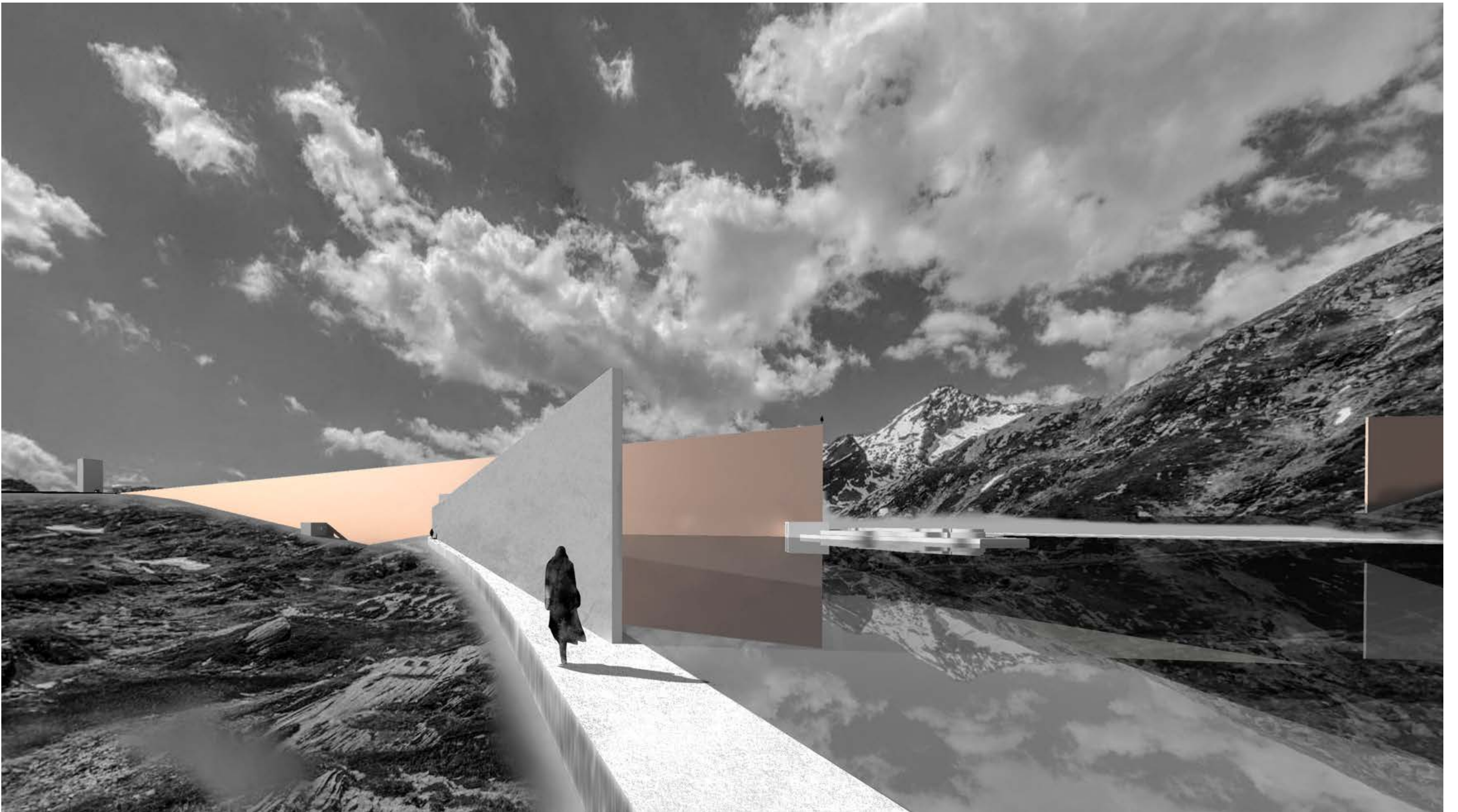
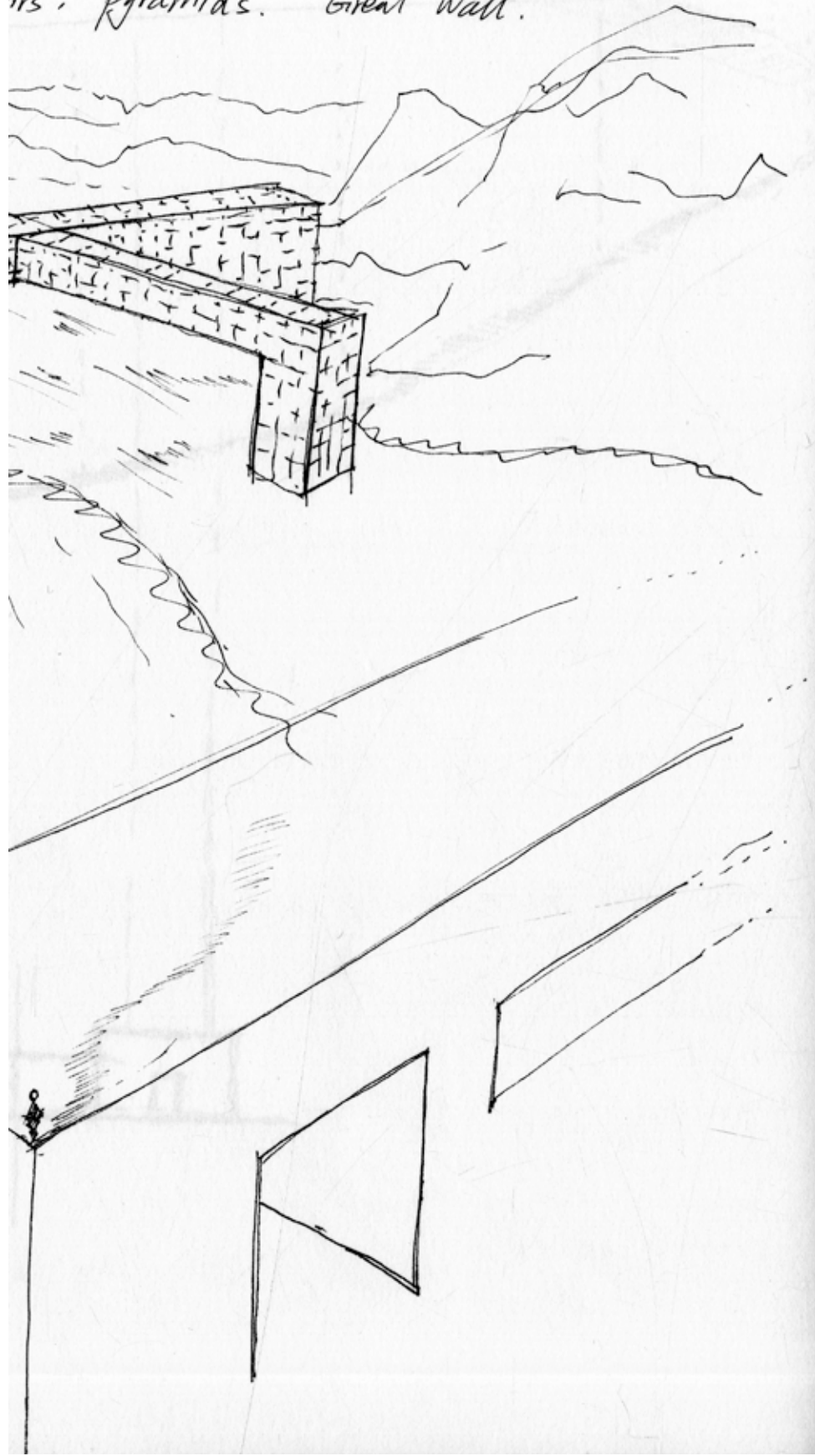


fig.4

monument alpine lakes.

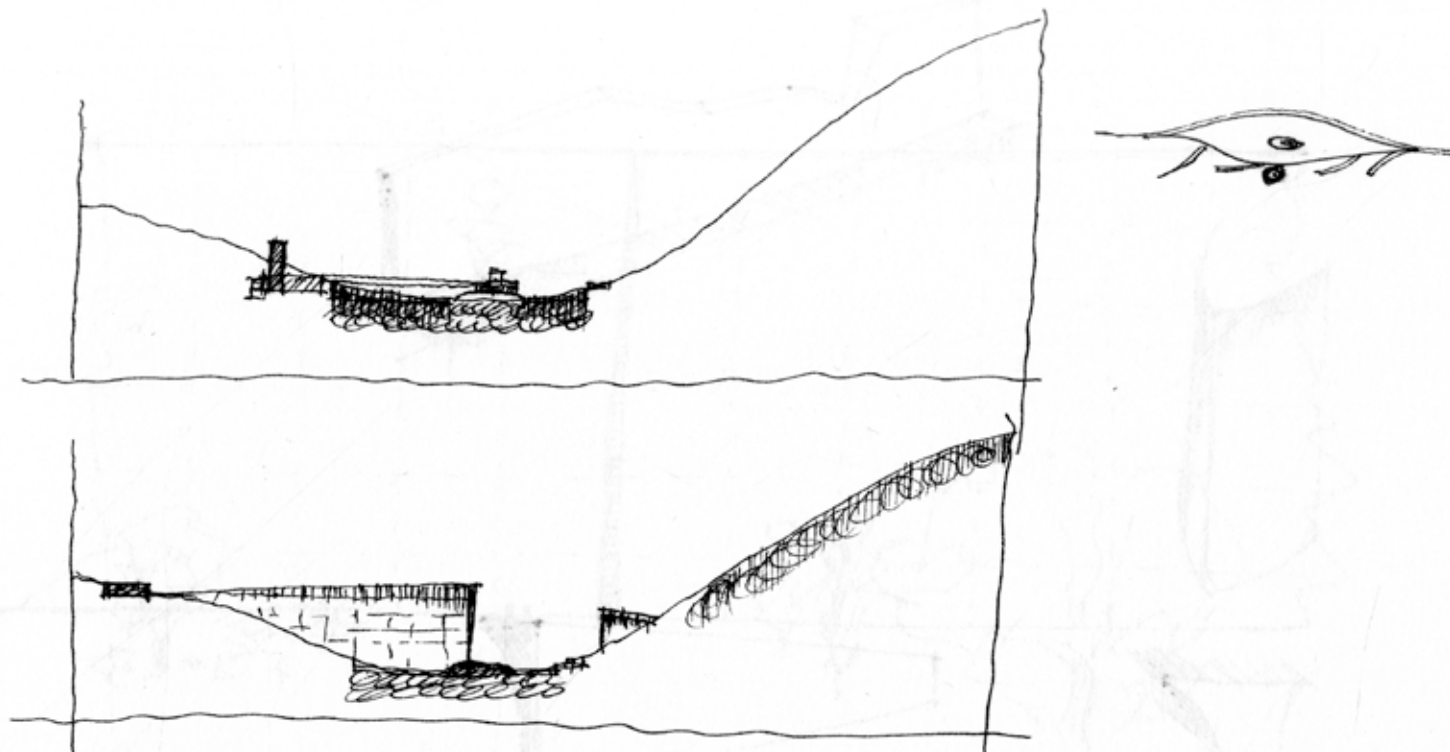
concept by superstudio. 1969.

pyramids. Great wall.



[Faint, mostly illegible handwritten text, likely bleed-through from the reverse side of the page.]

San Bernardino



Walls have never been any one thing. They have always been violence and nature, separation and exchange, barbarism and mercy, destruction and creation - all at once.

fig.5

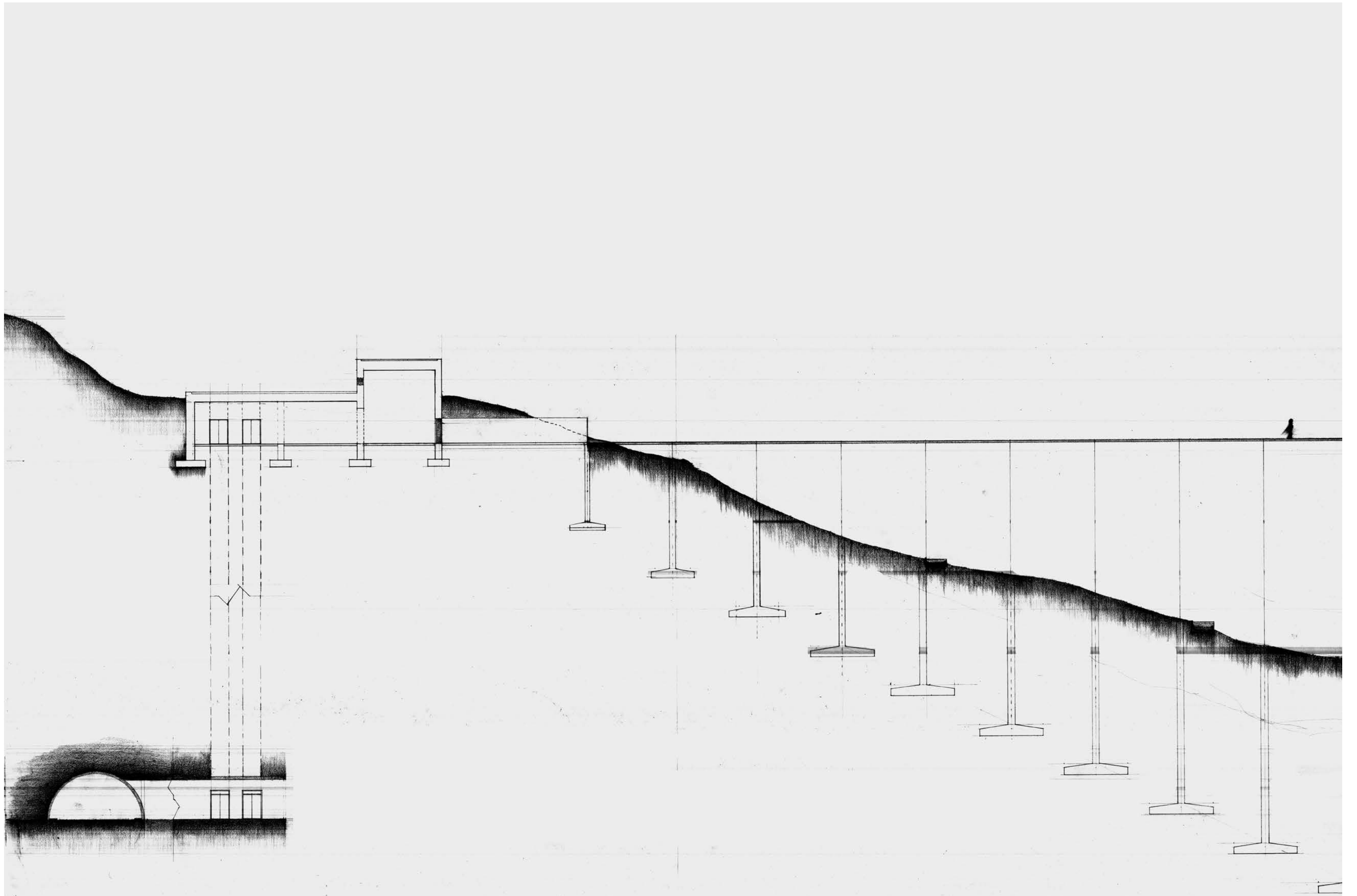


fig.6

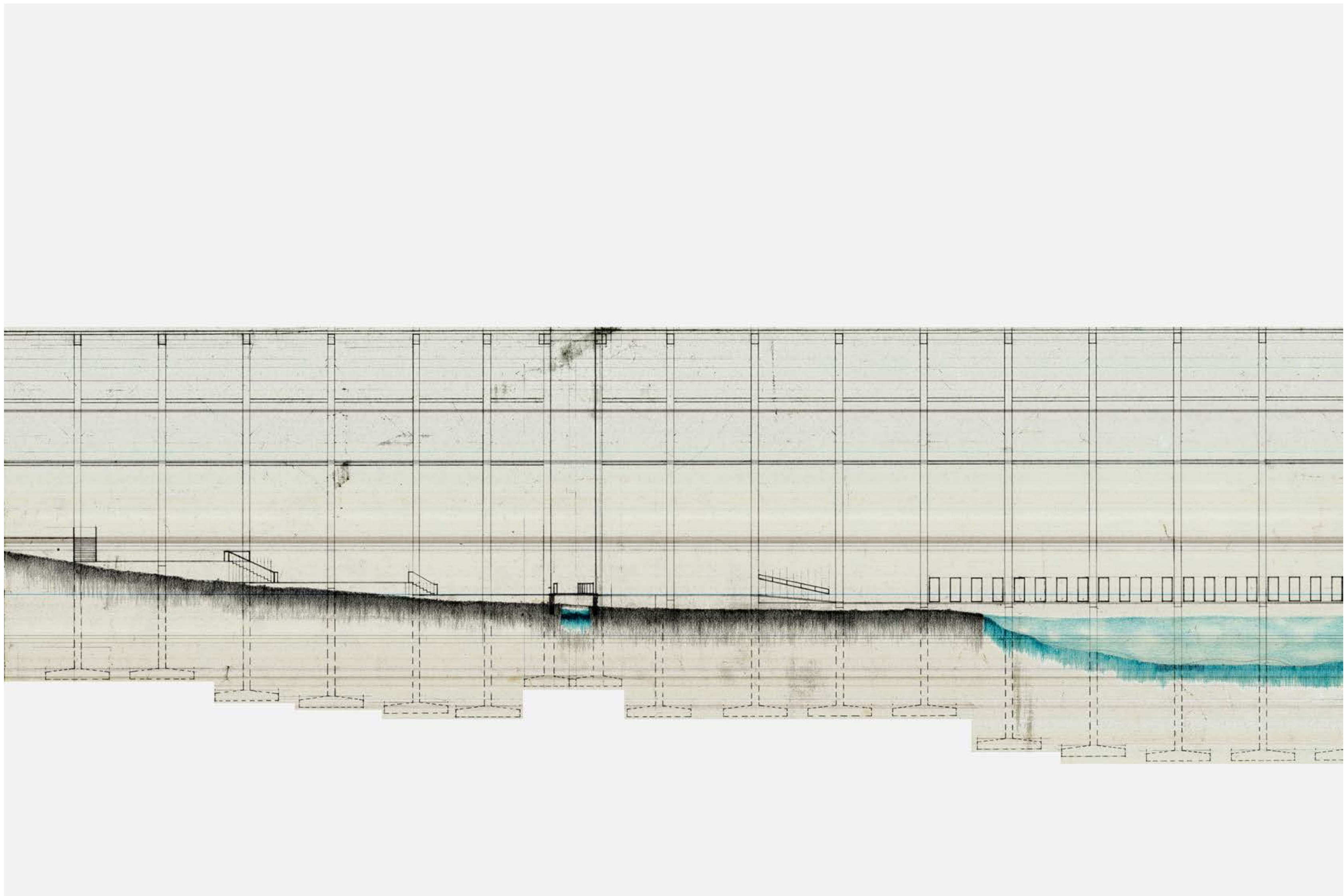


fig.7

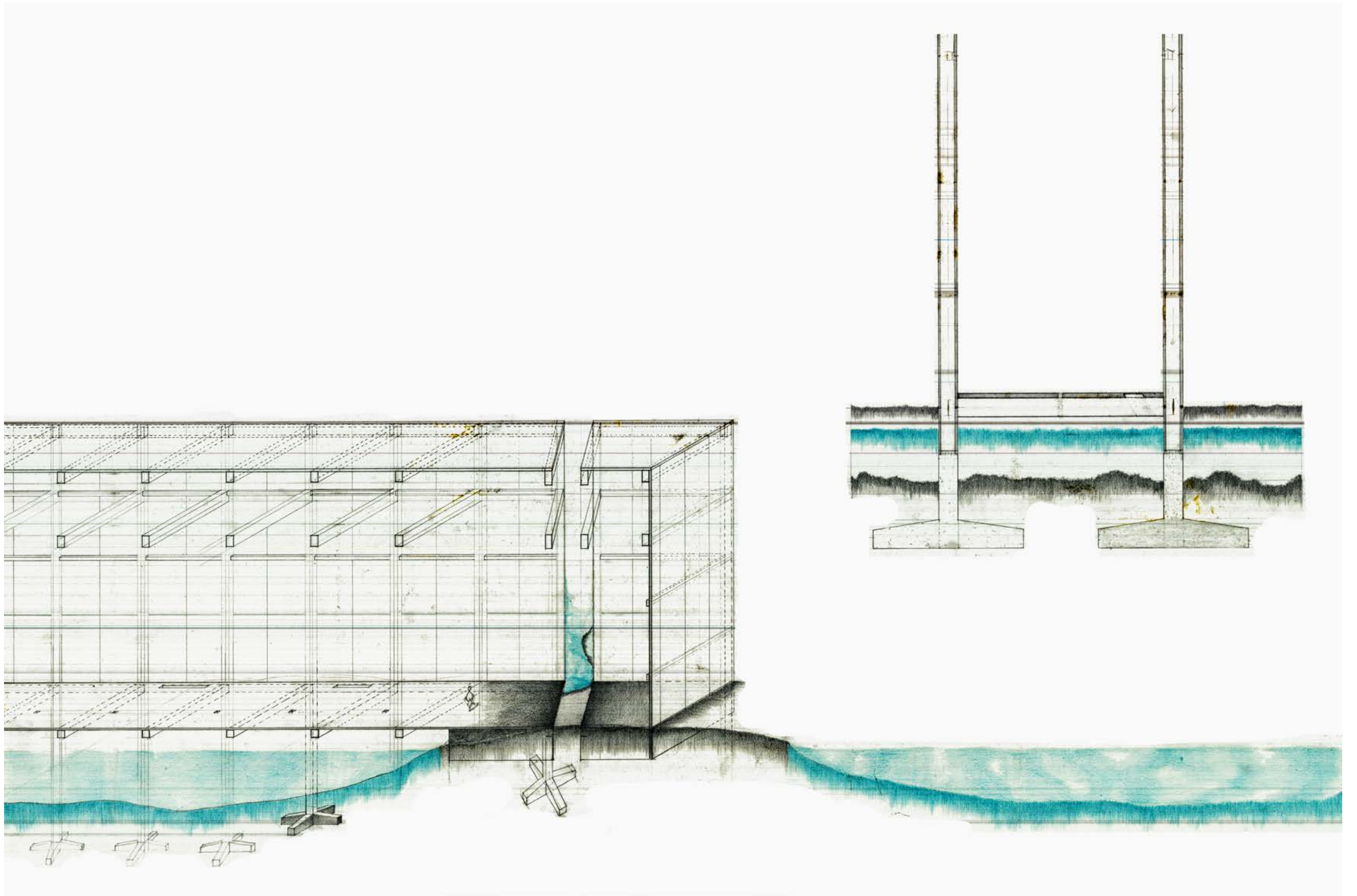


fig.8

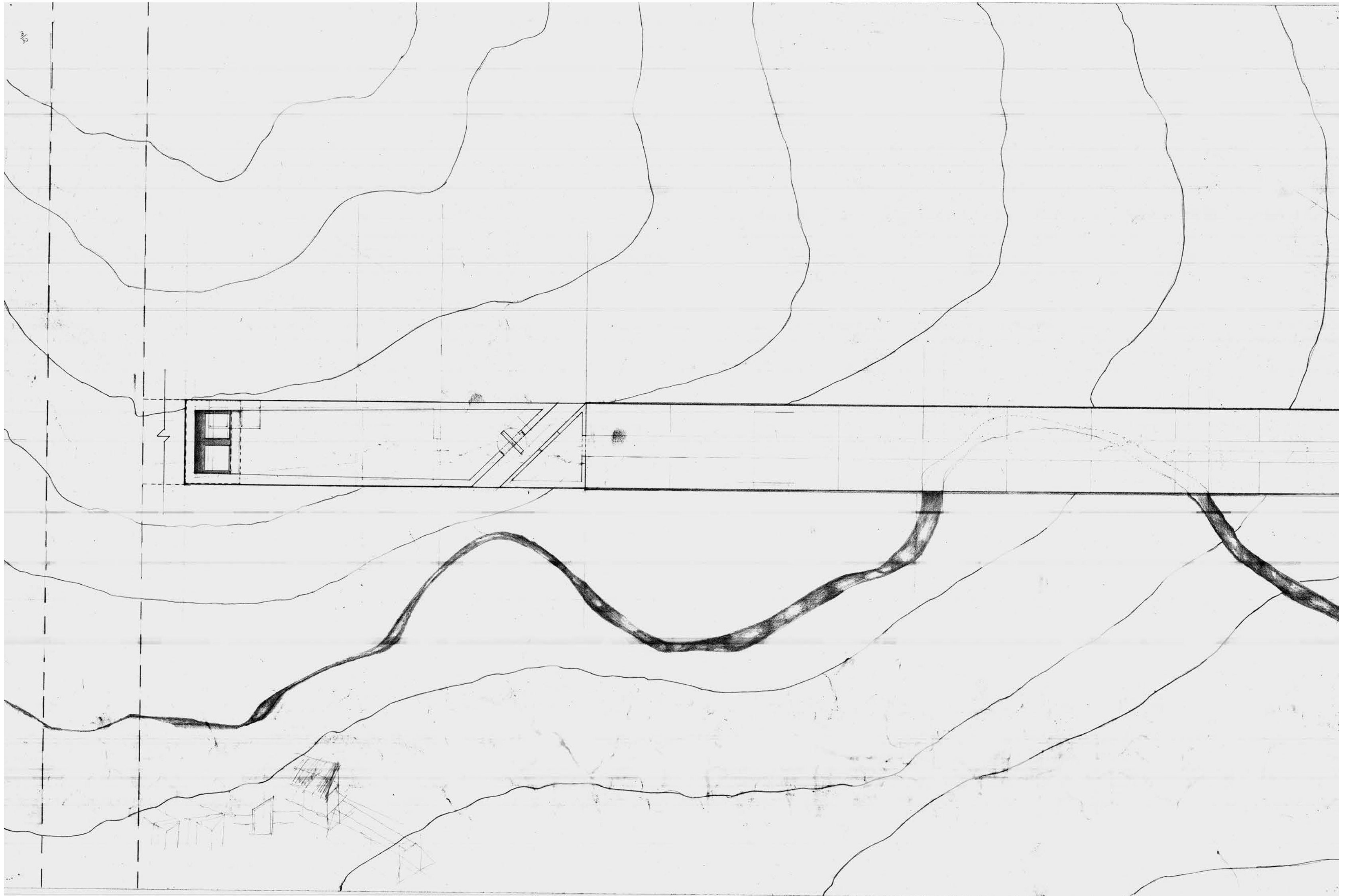


fig.9



fig.10

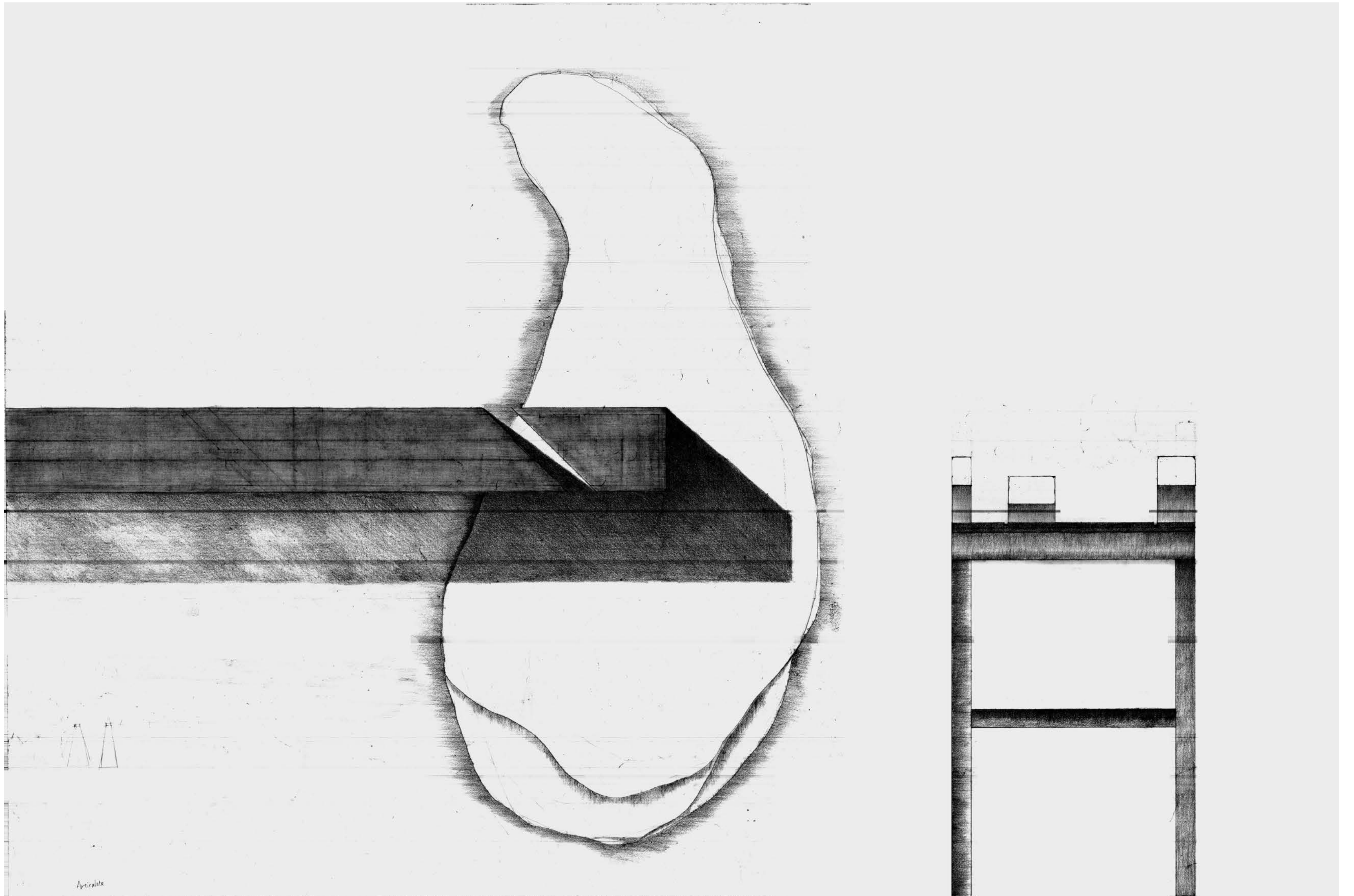


fig.11

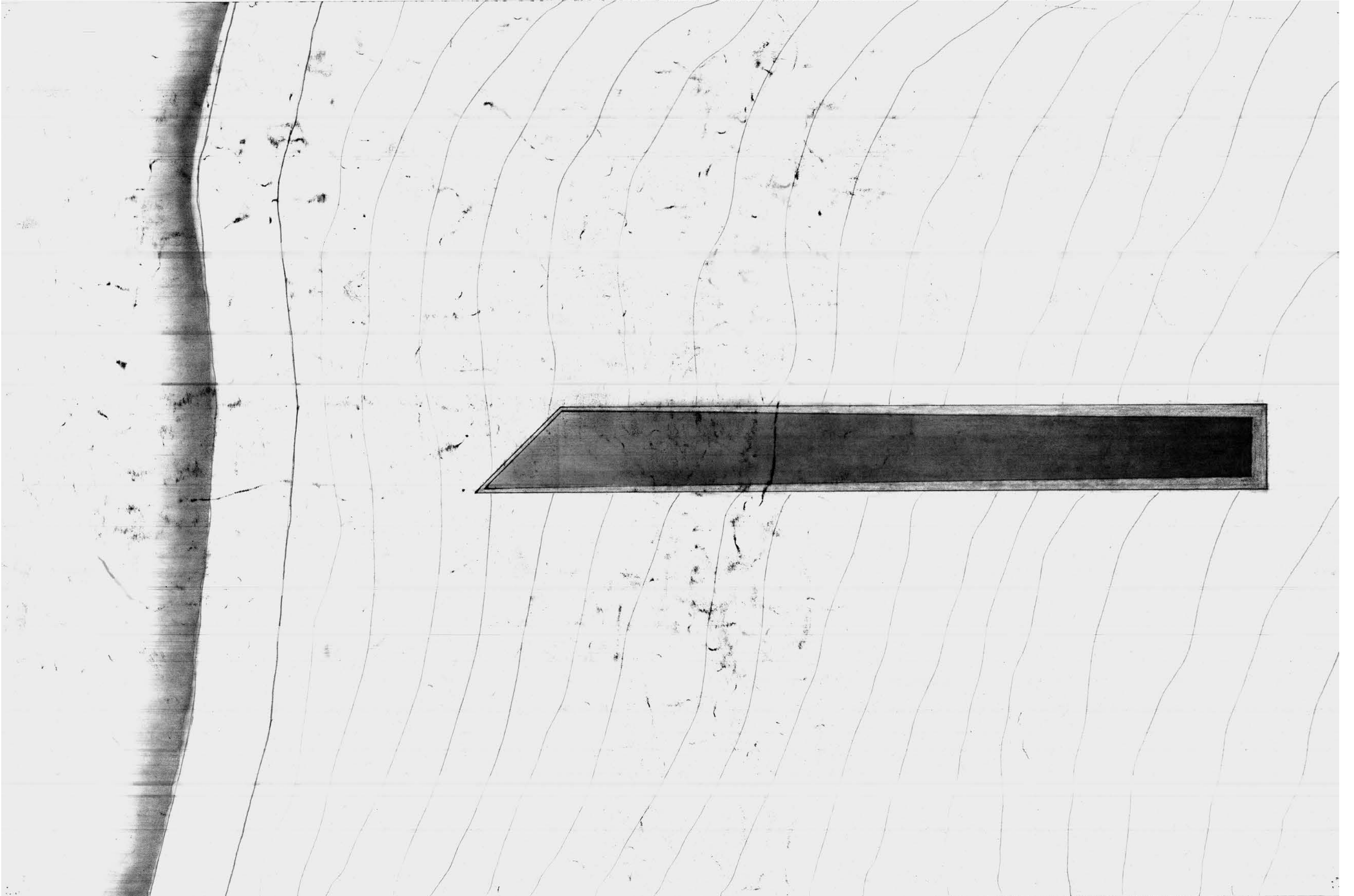


fig.12

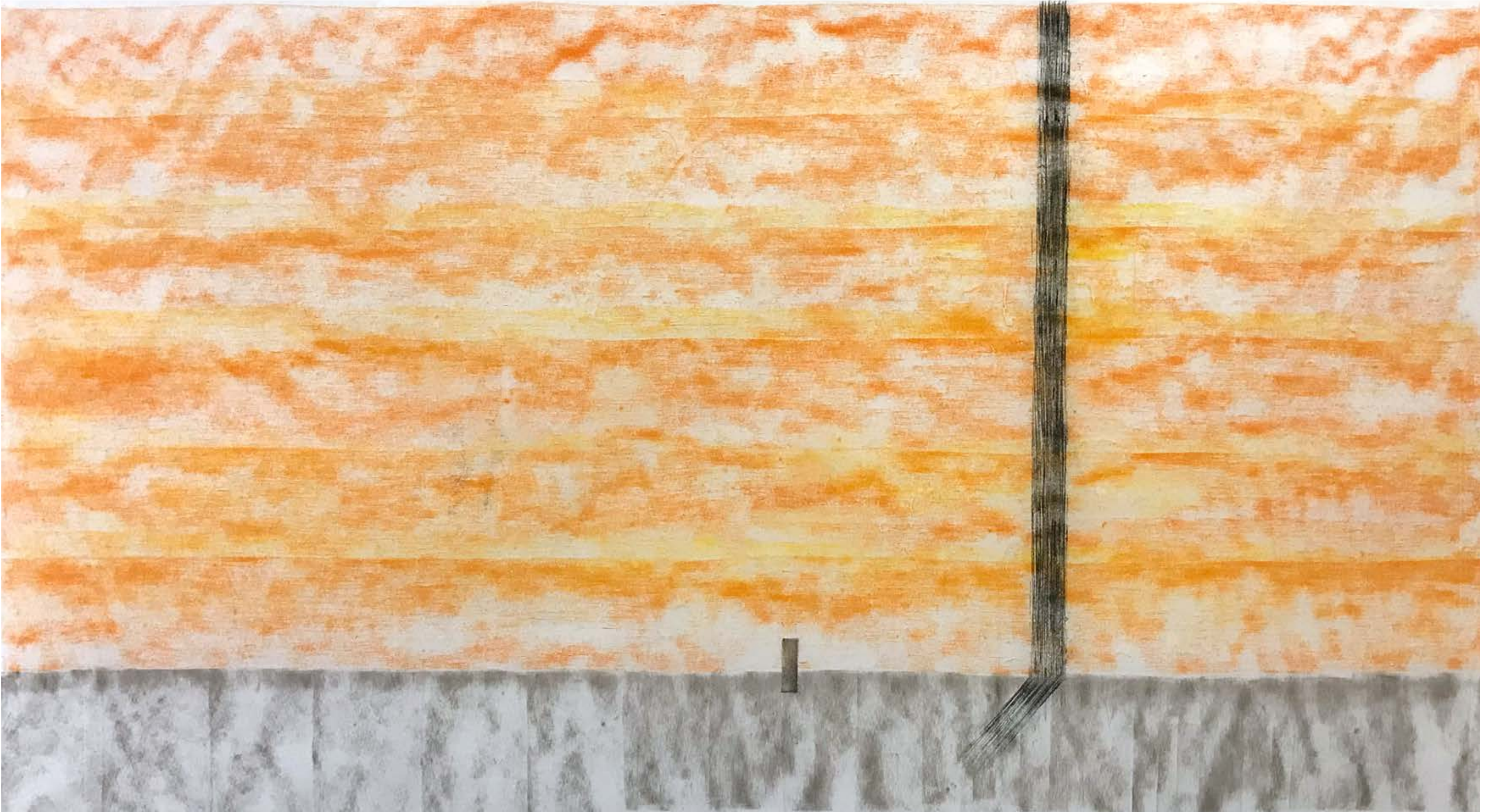
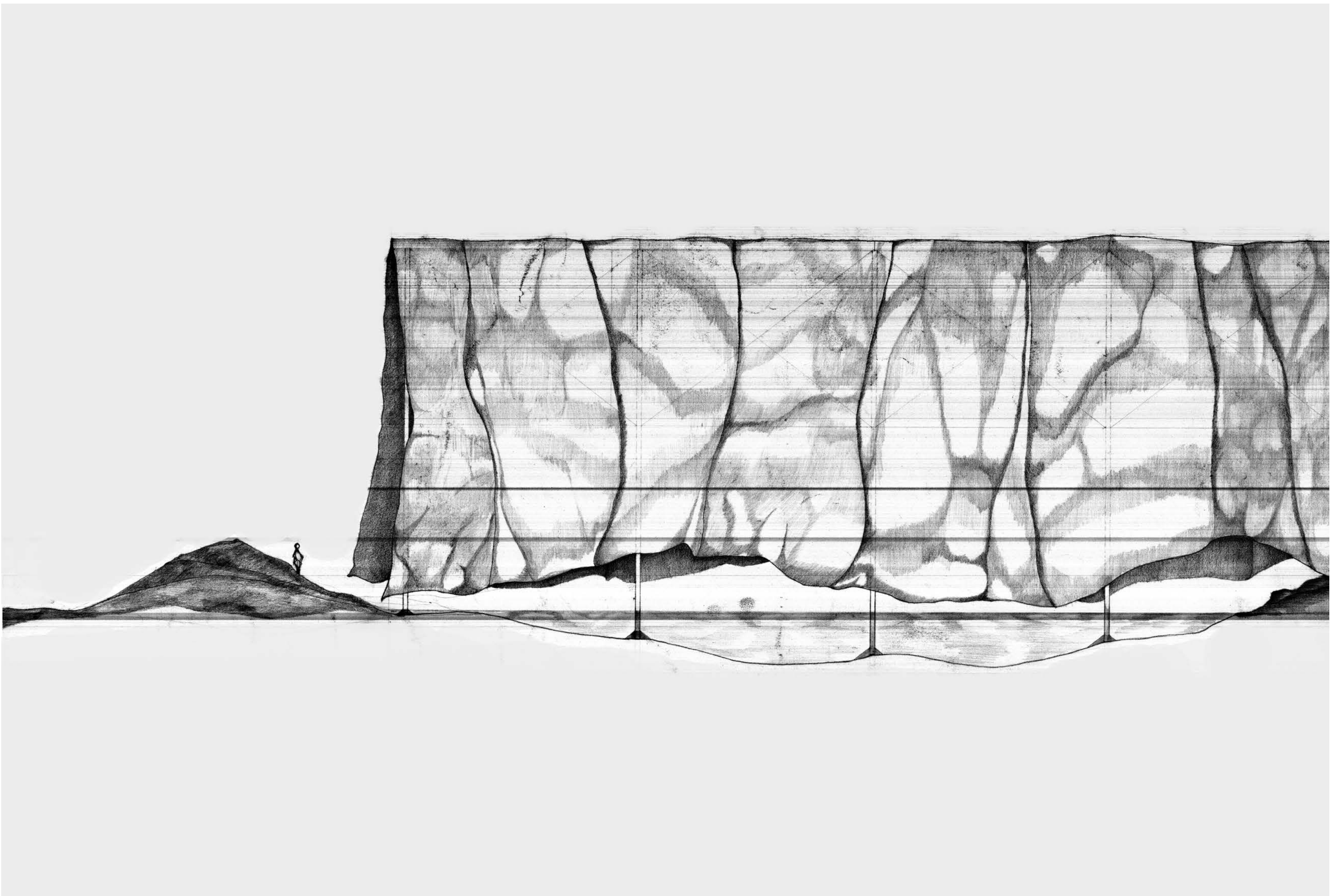


fig.13

scheme 2



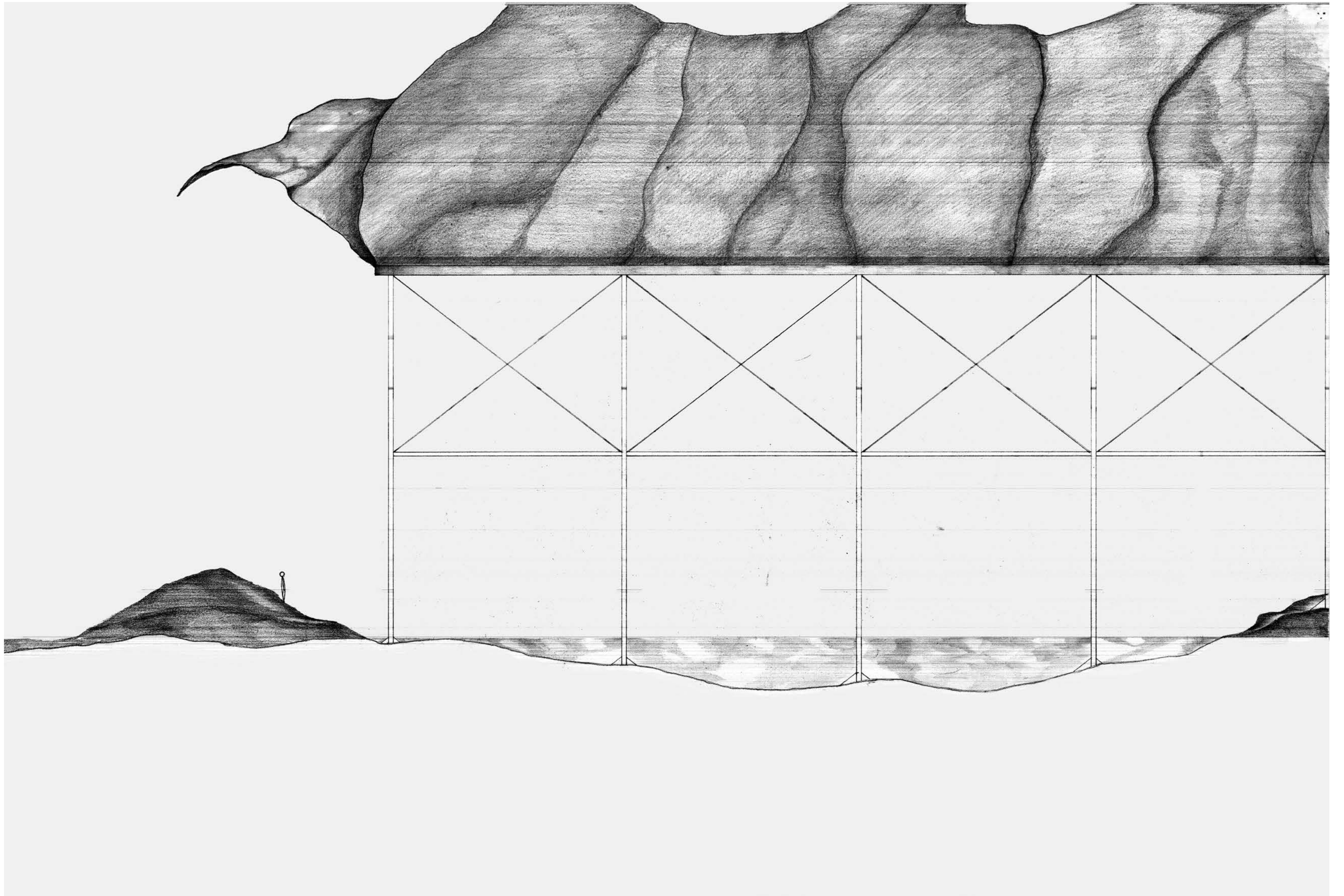


fig.15

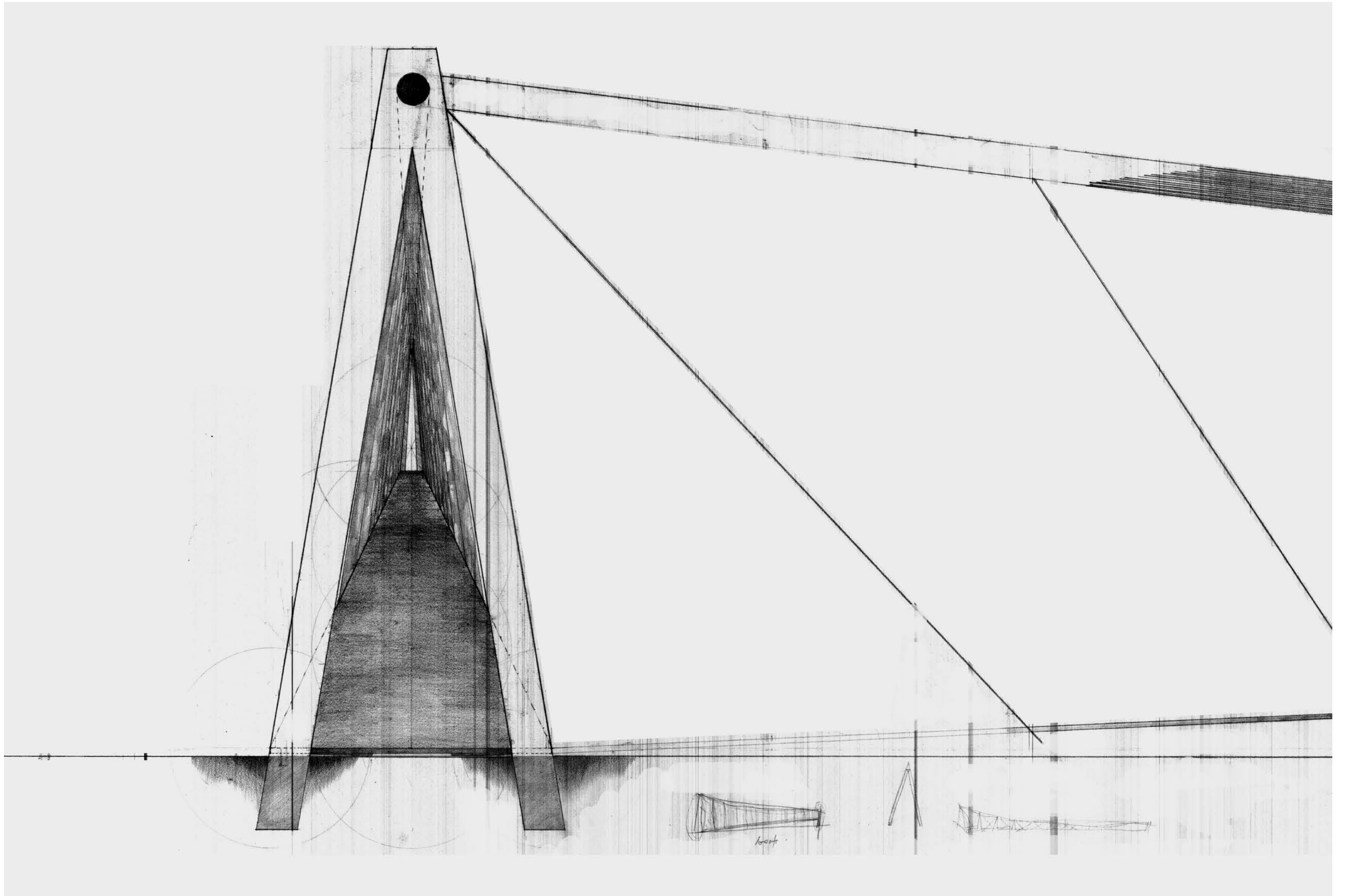


fig.16

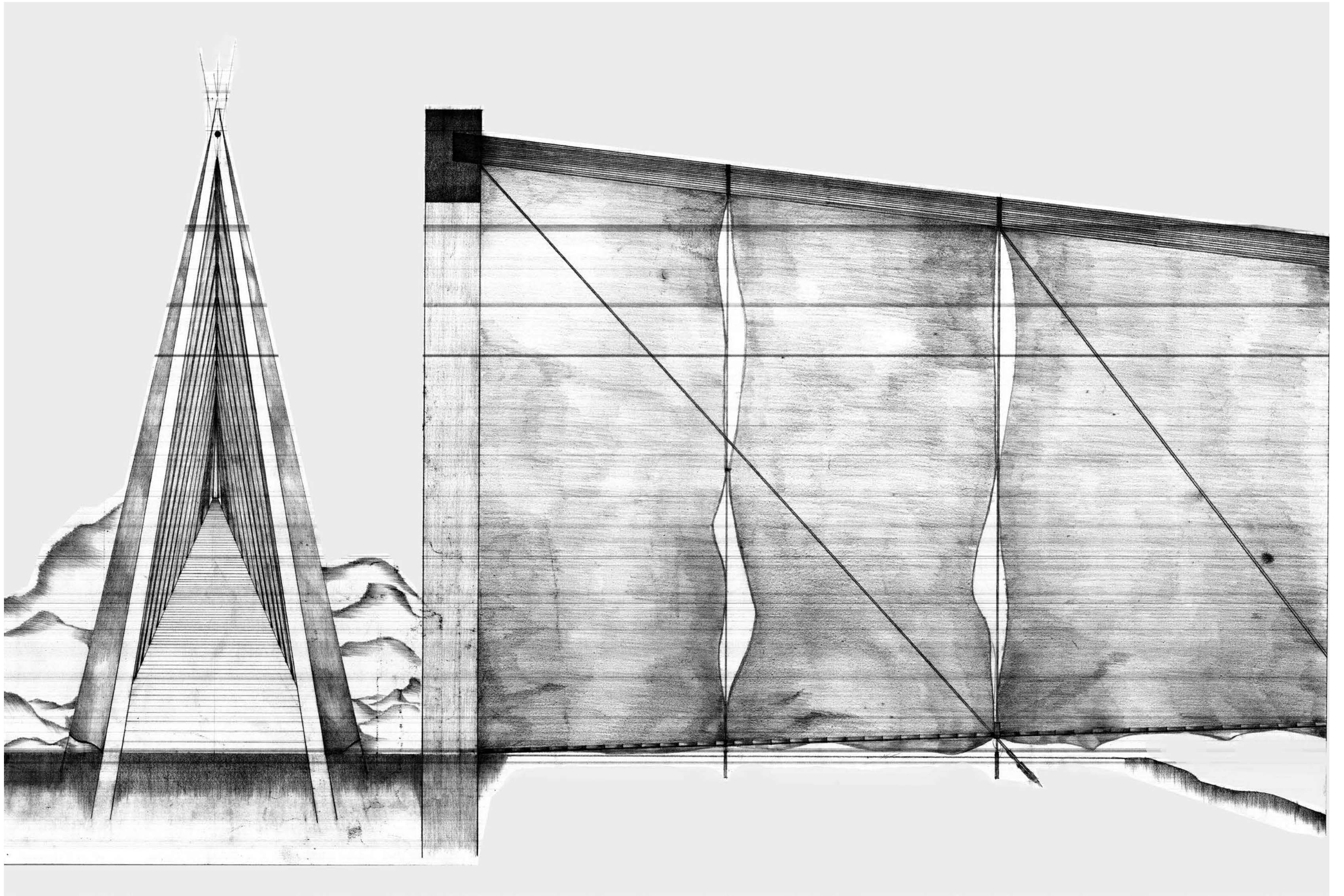


fig.17



fig.18

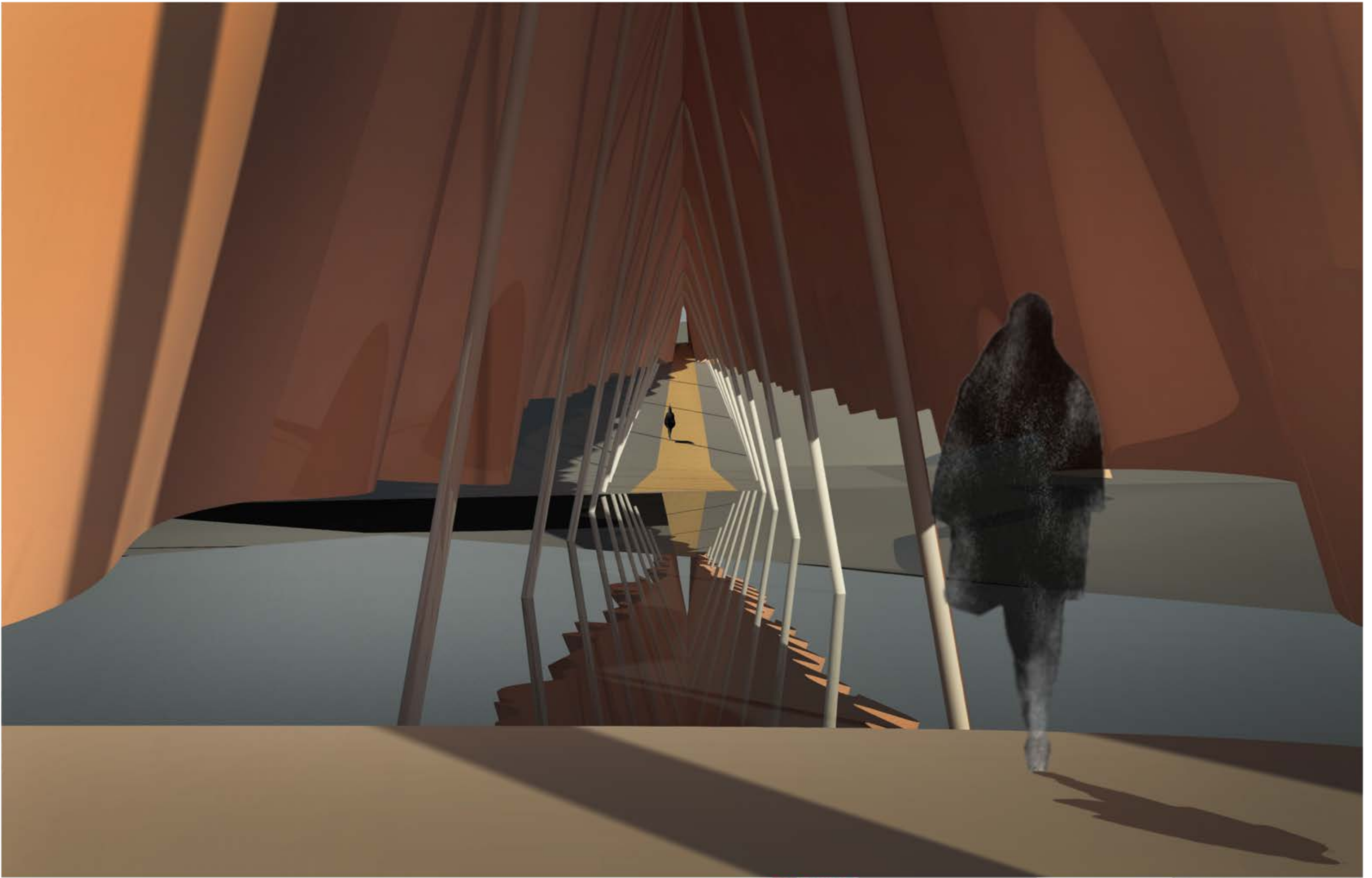


fig.19

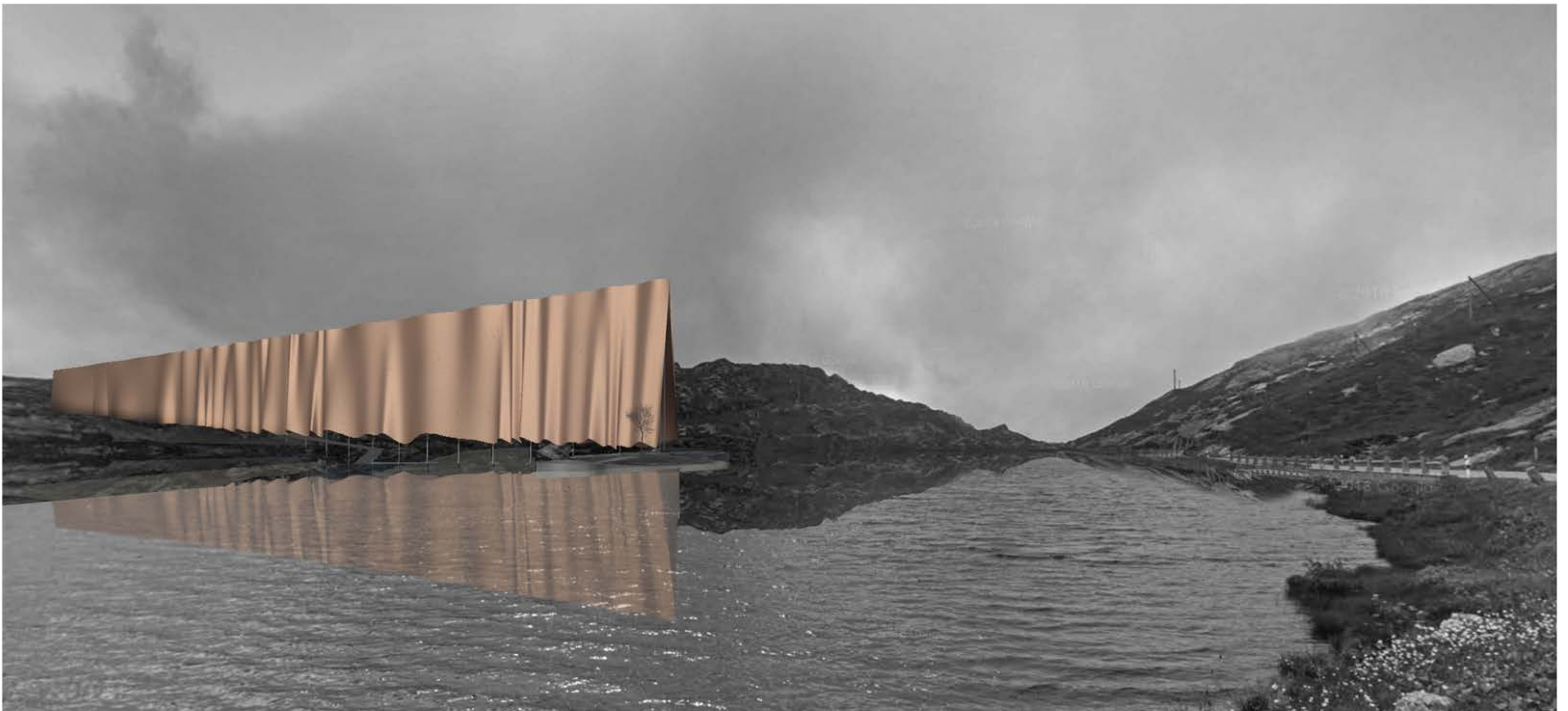


fig.20

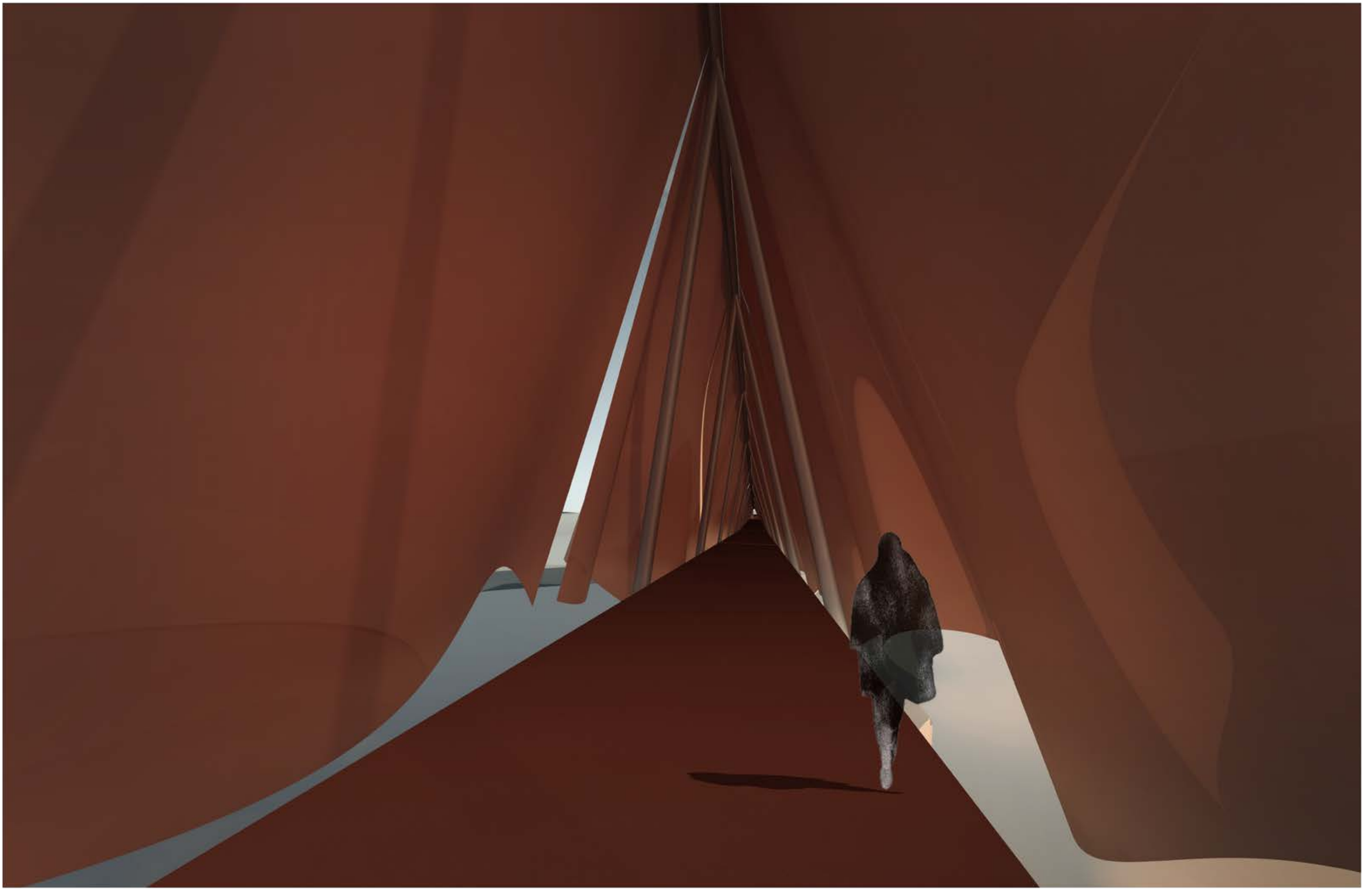


fig.21

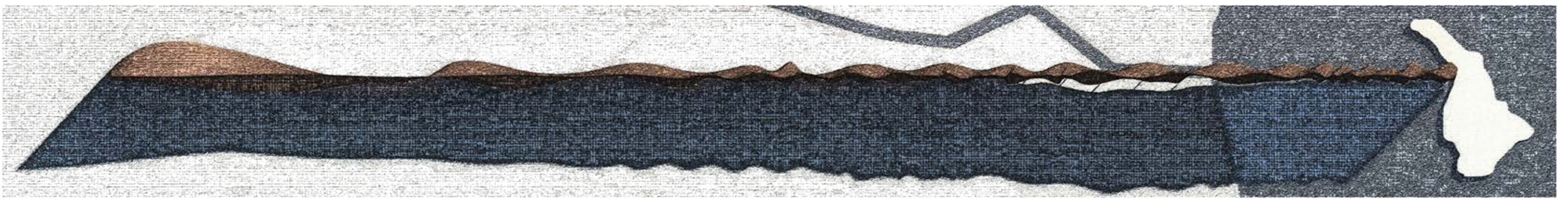


fig.22



fig.23

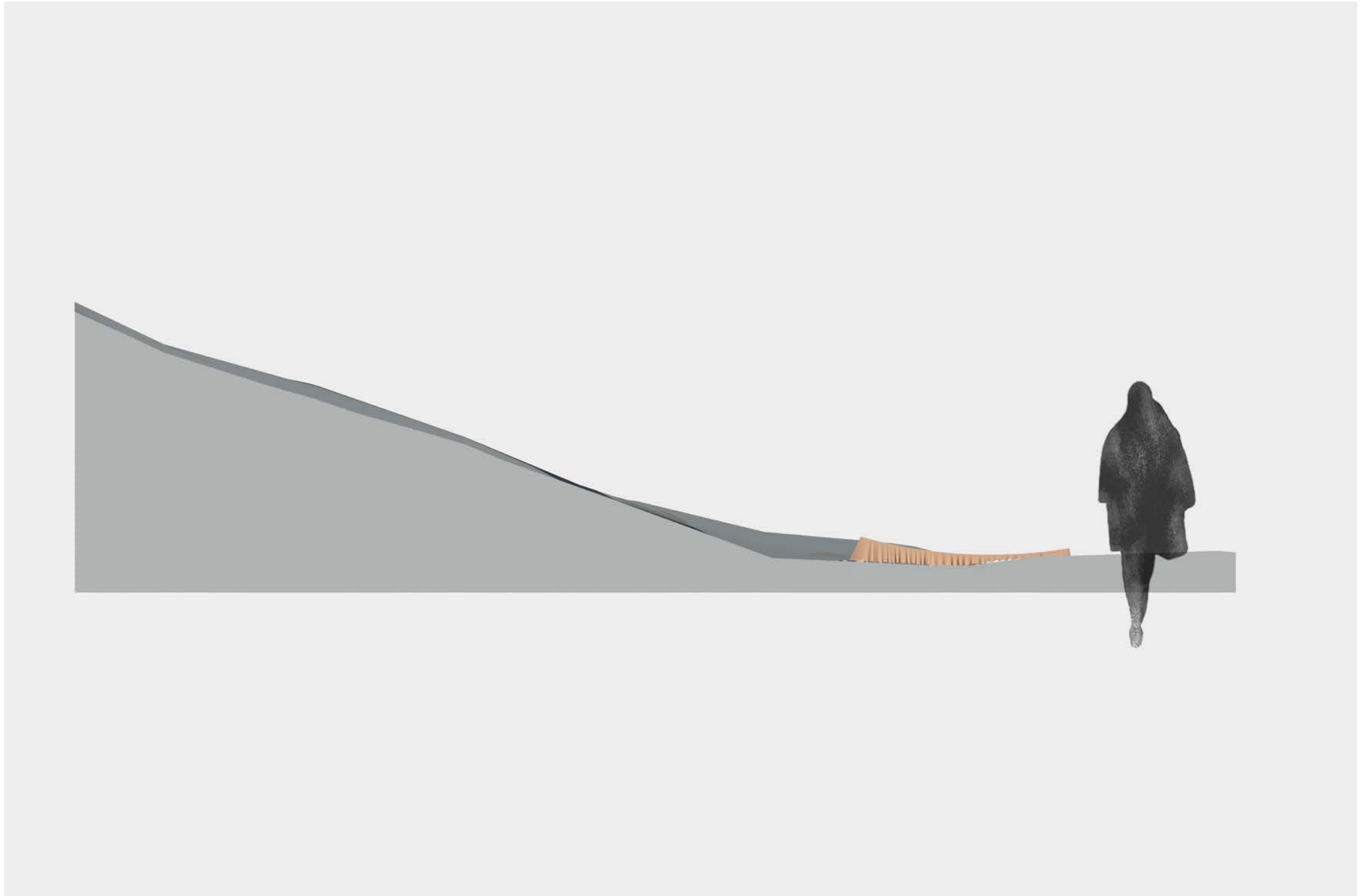
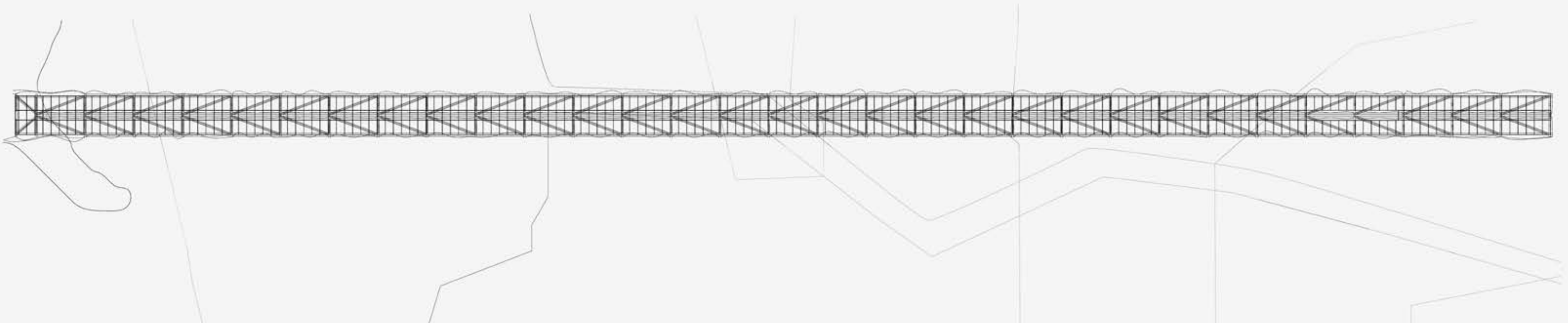


fig.24



scheme 3



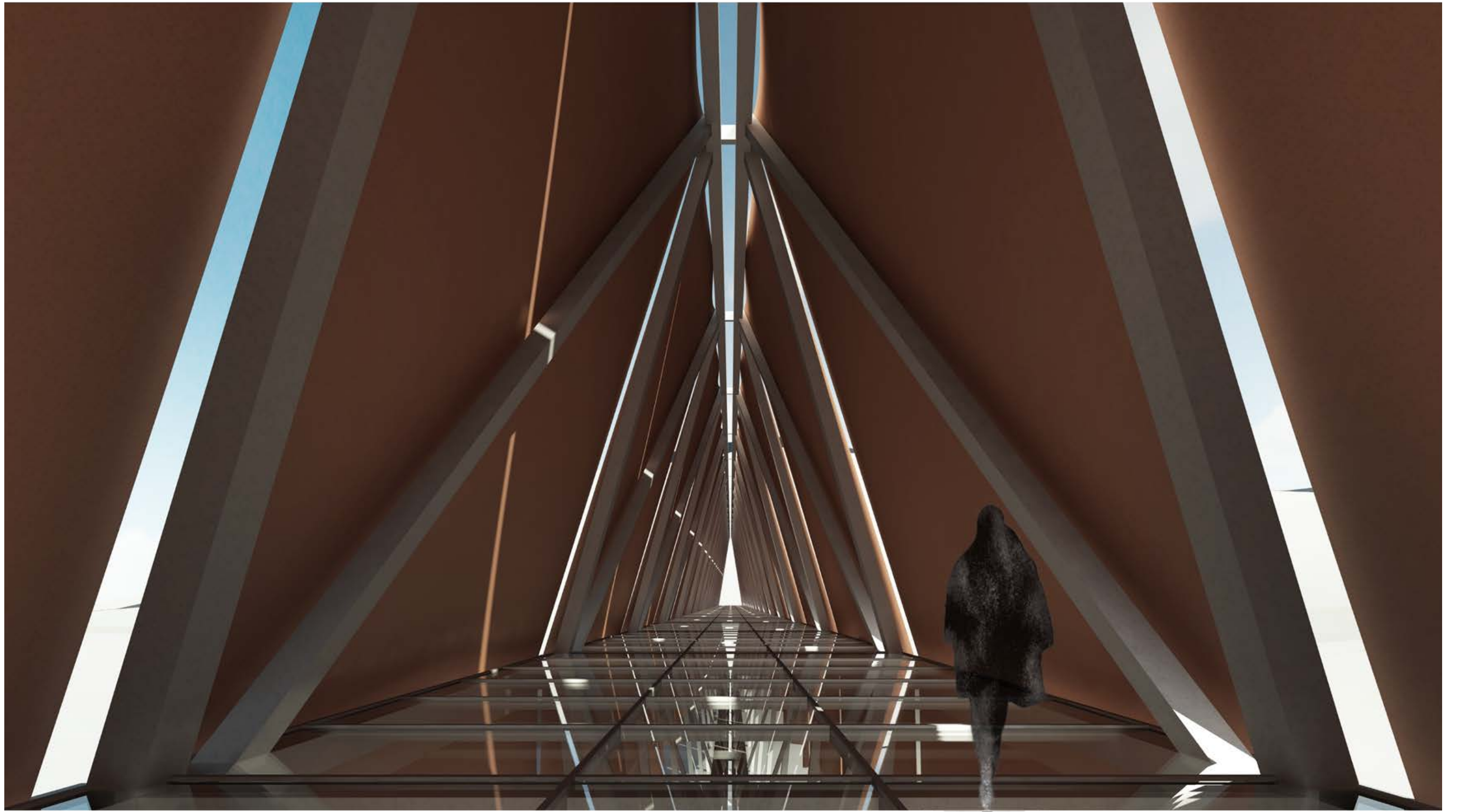


fig.27



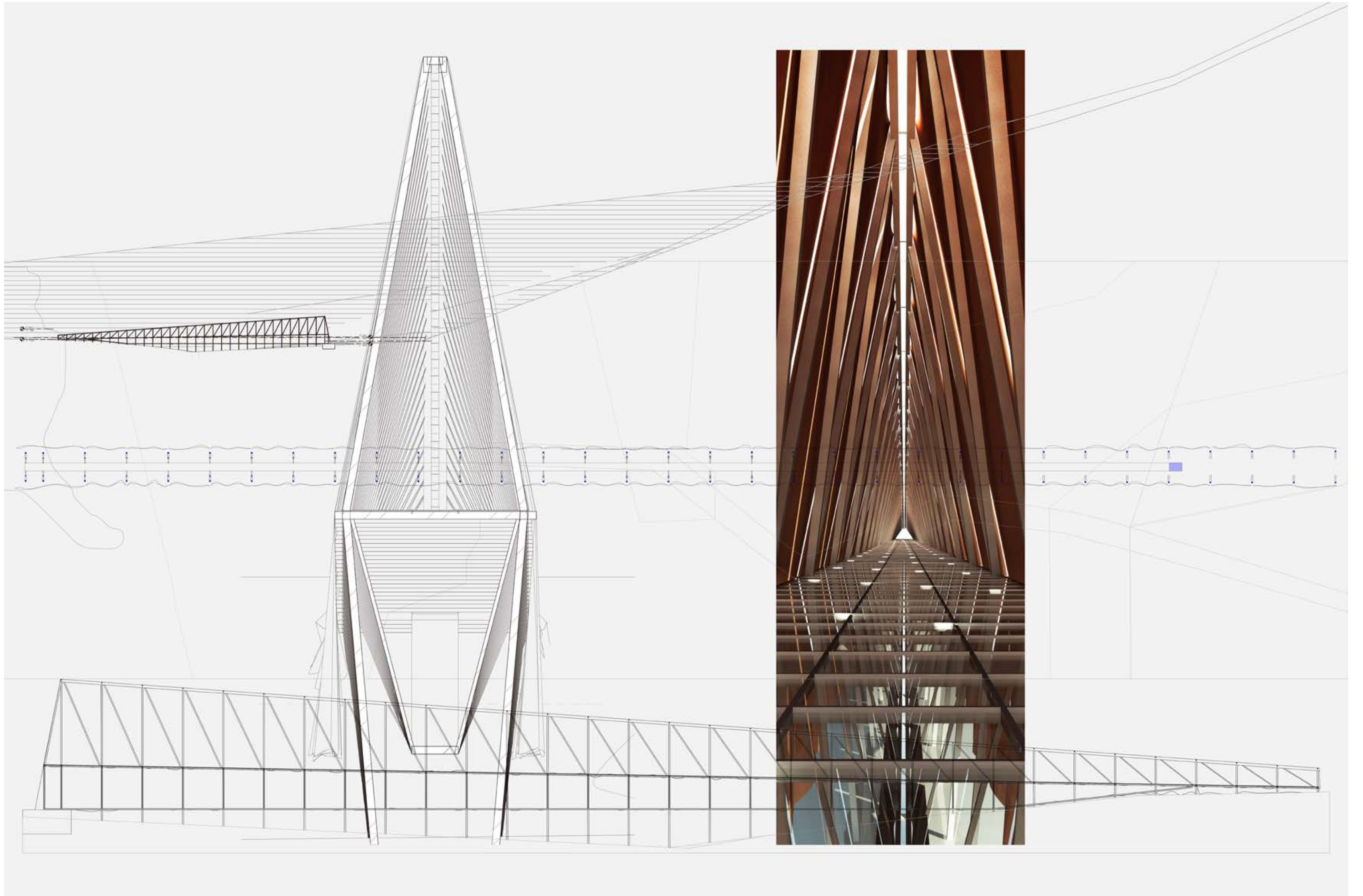


fig.28

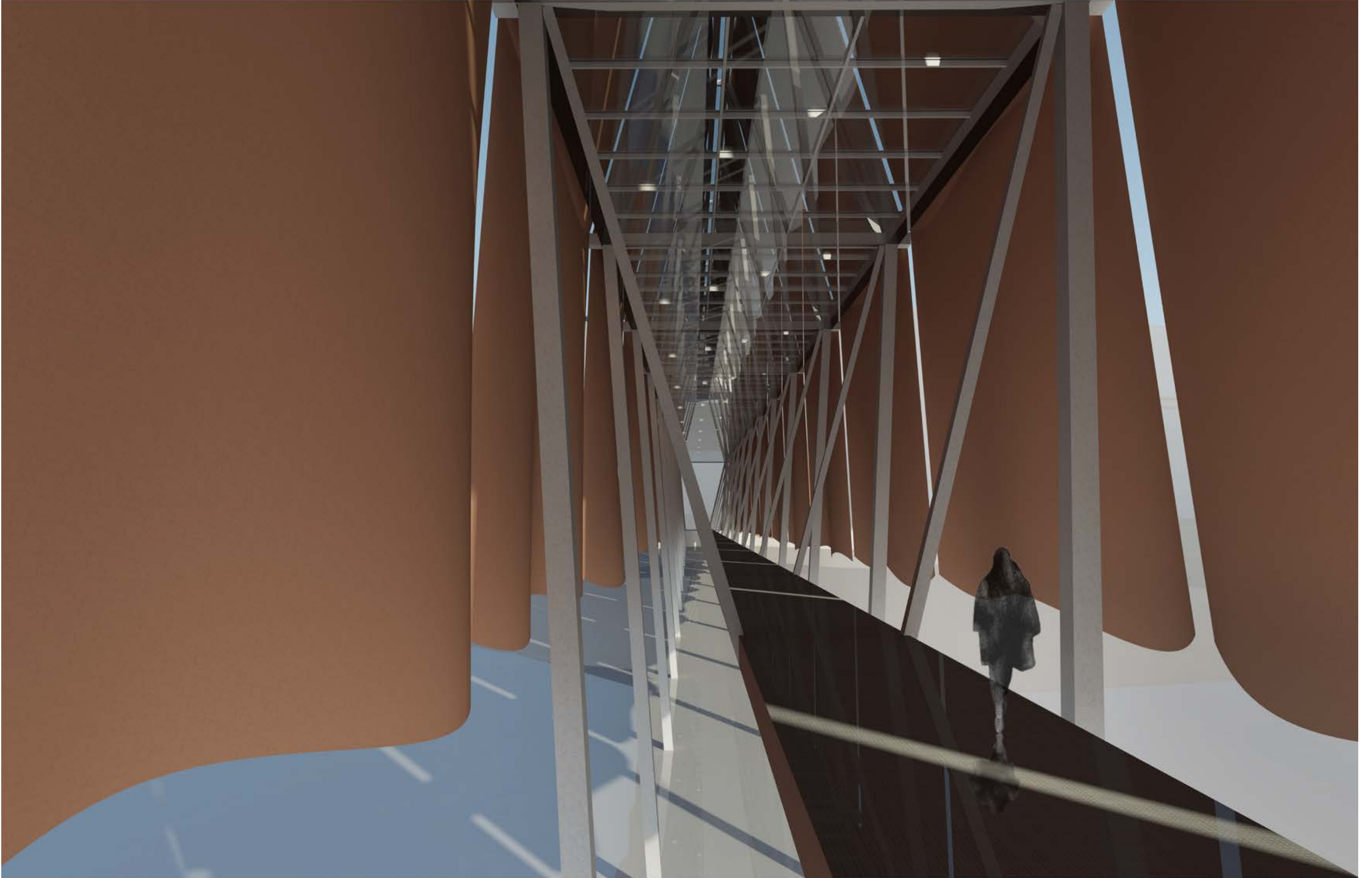


fig.29

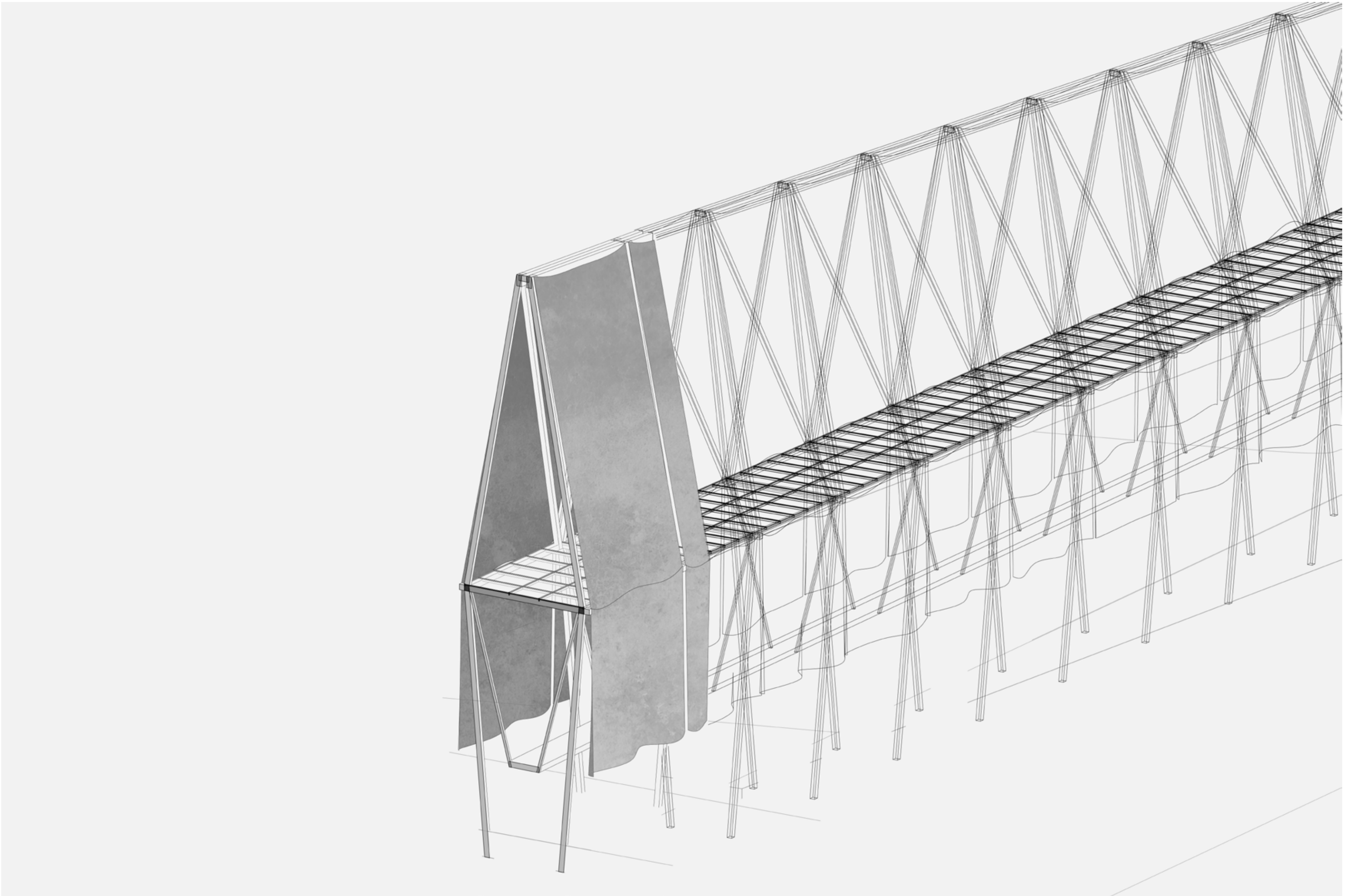
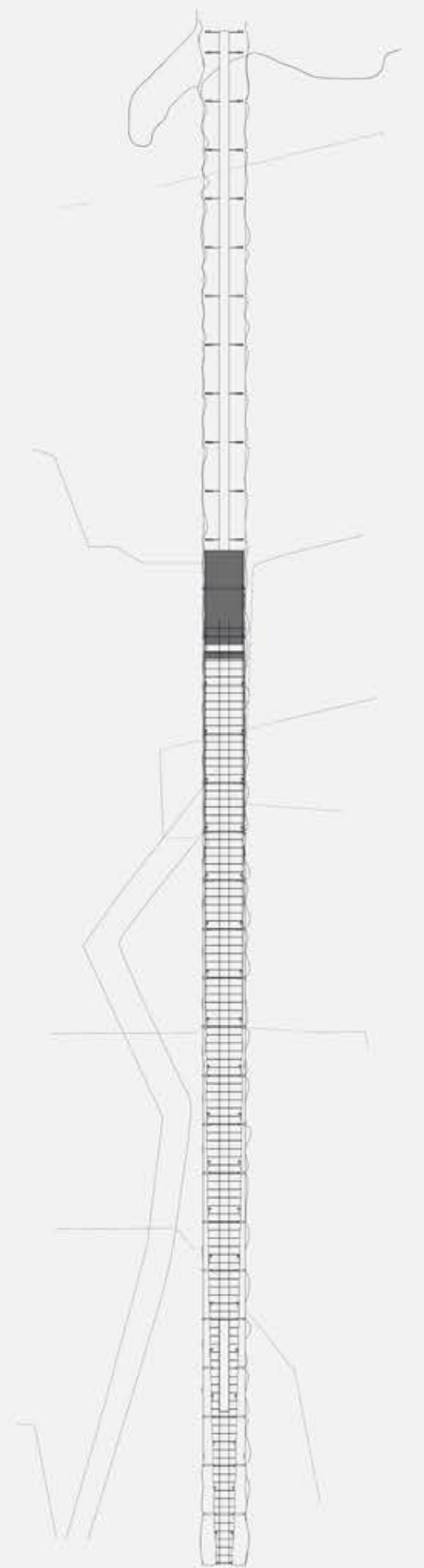
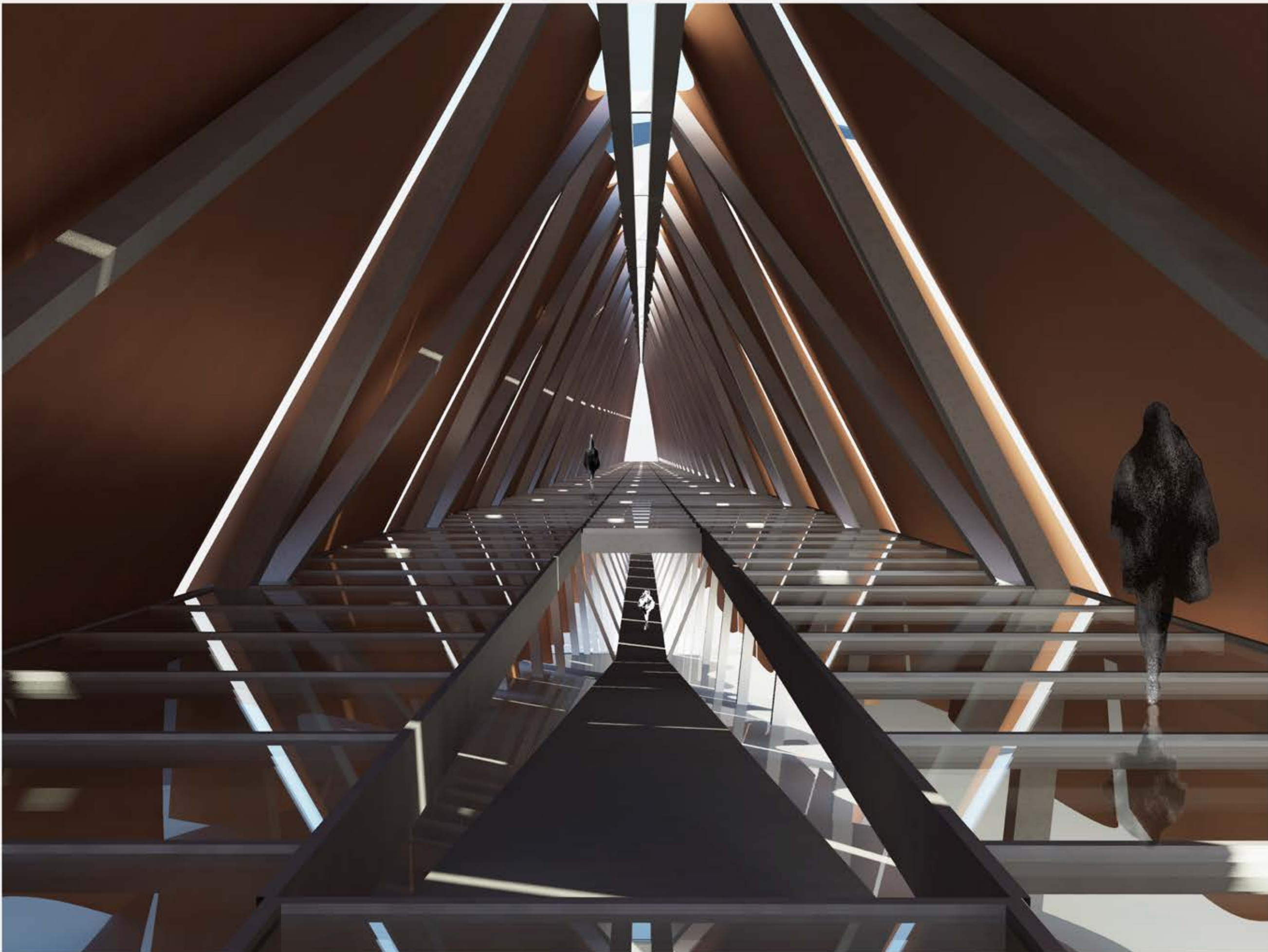


fig.30



scheme 4

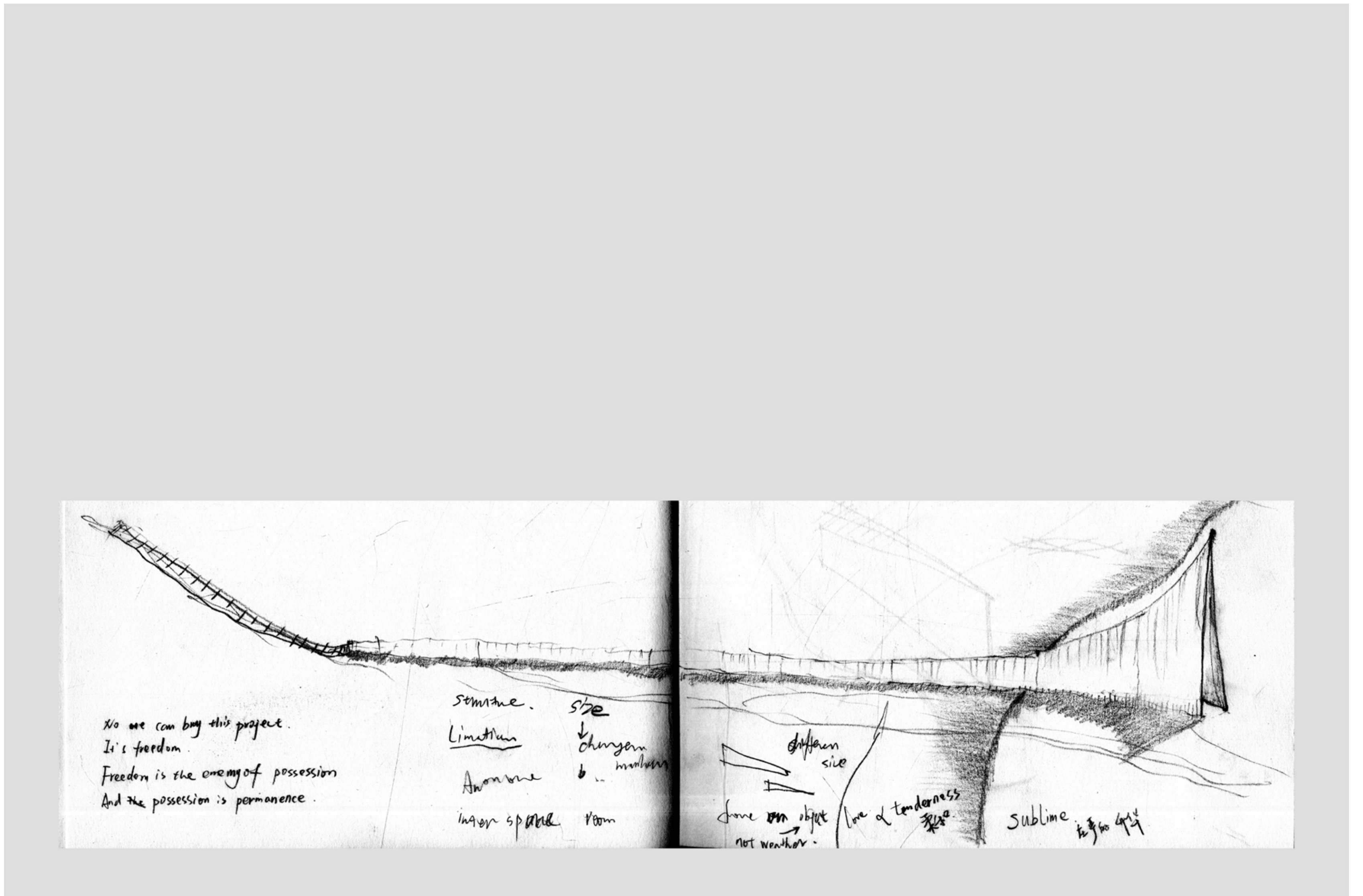


fig.32

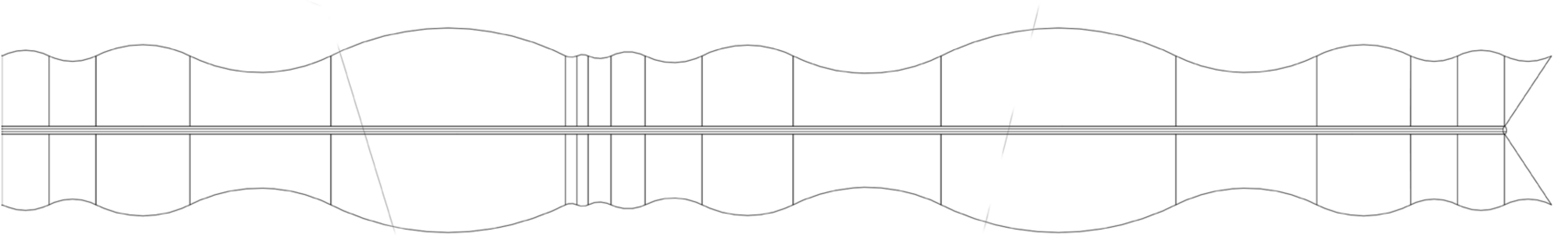
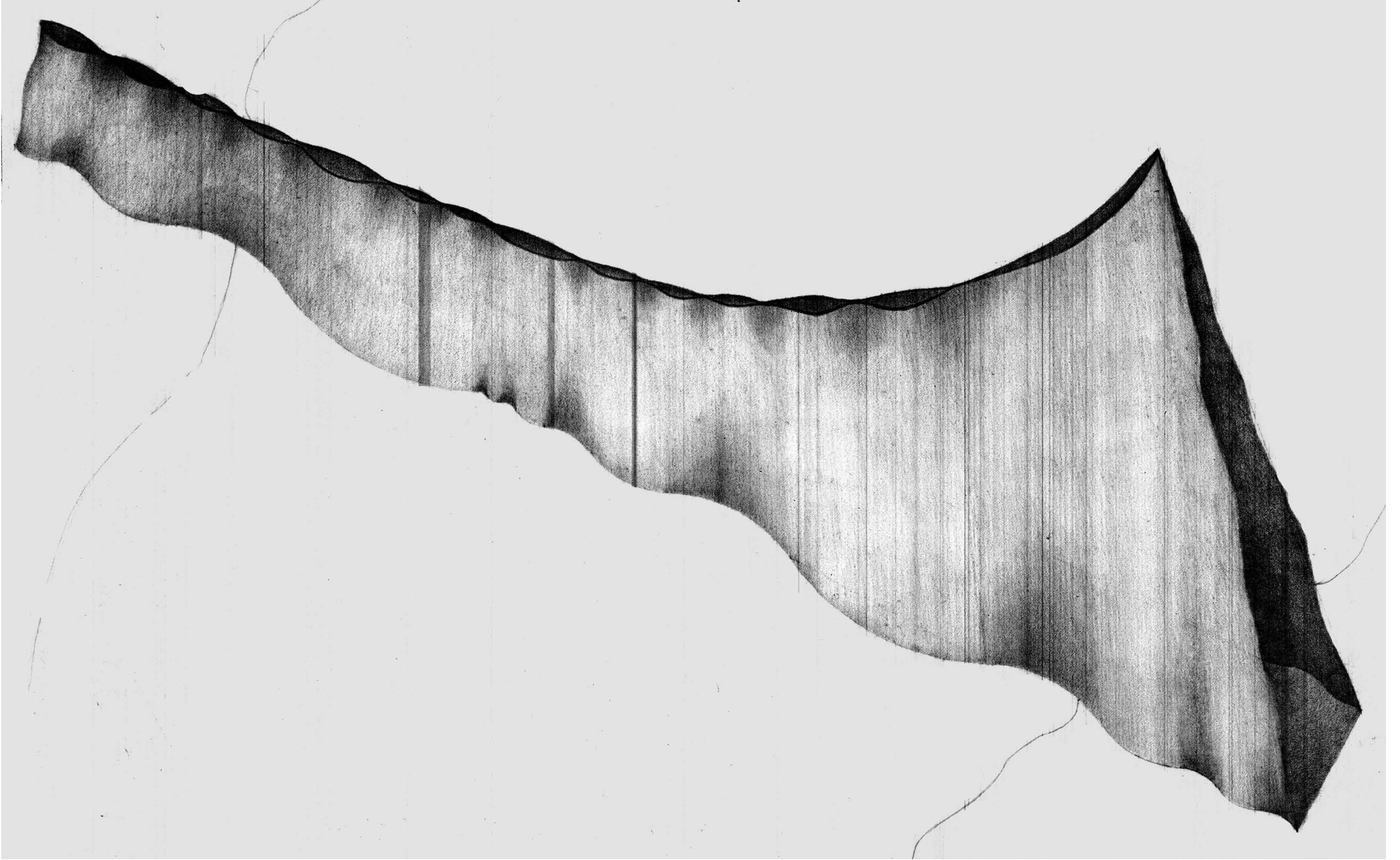


fig.33

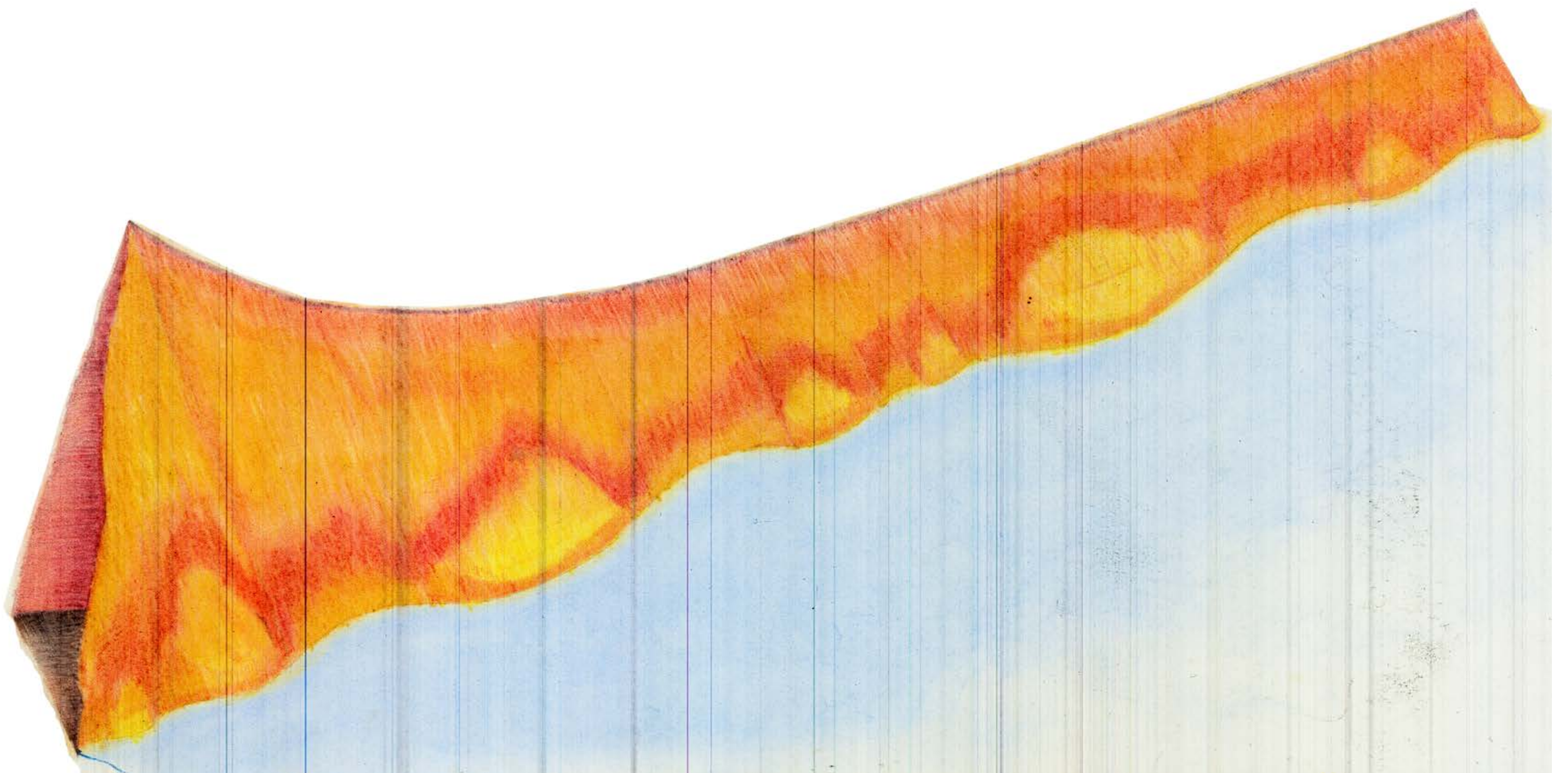
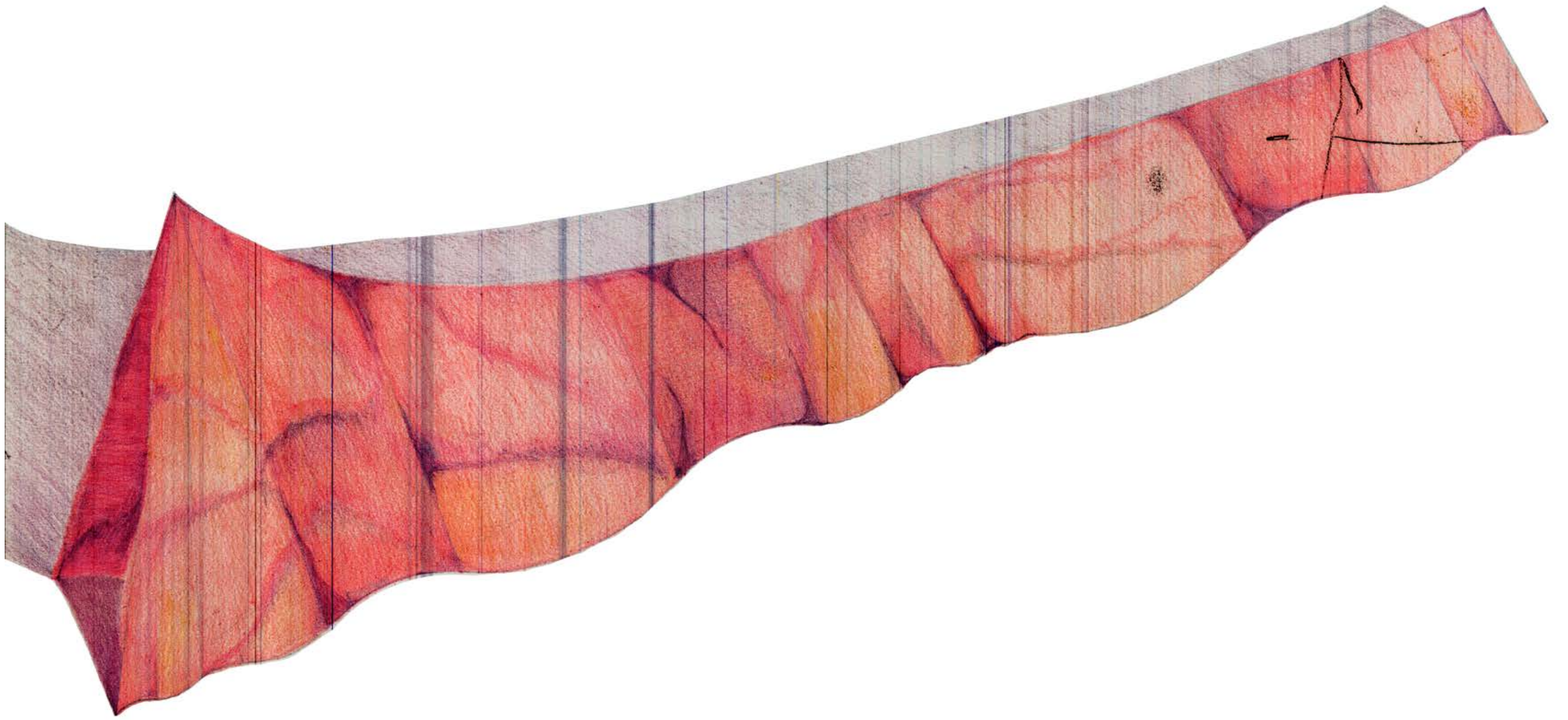


fig.34

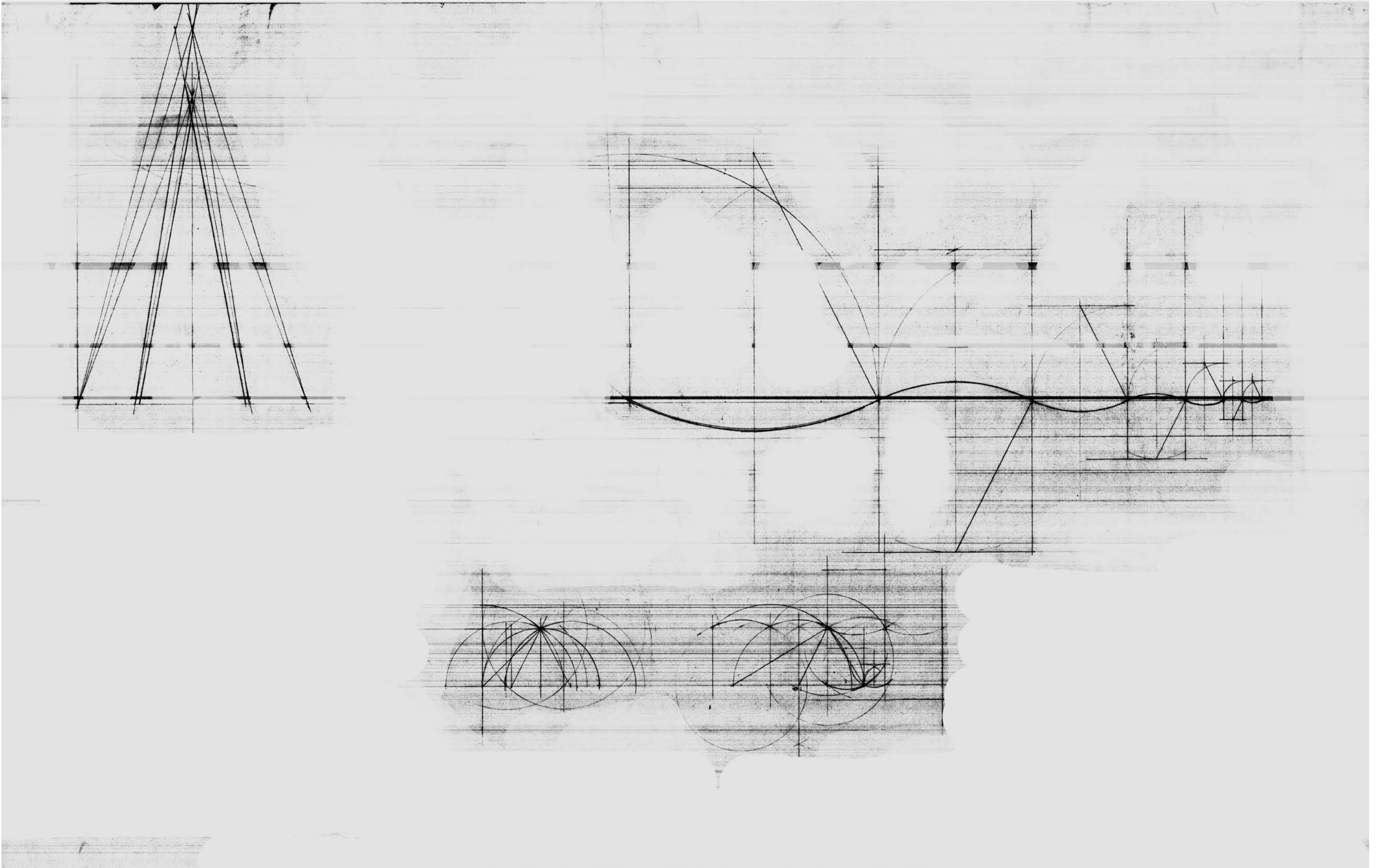


fig.35

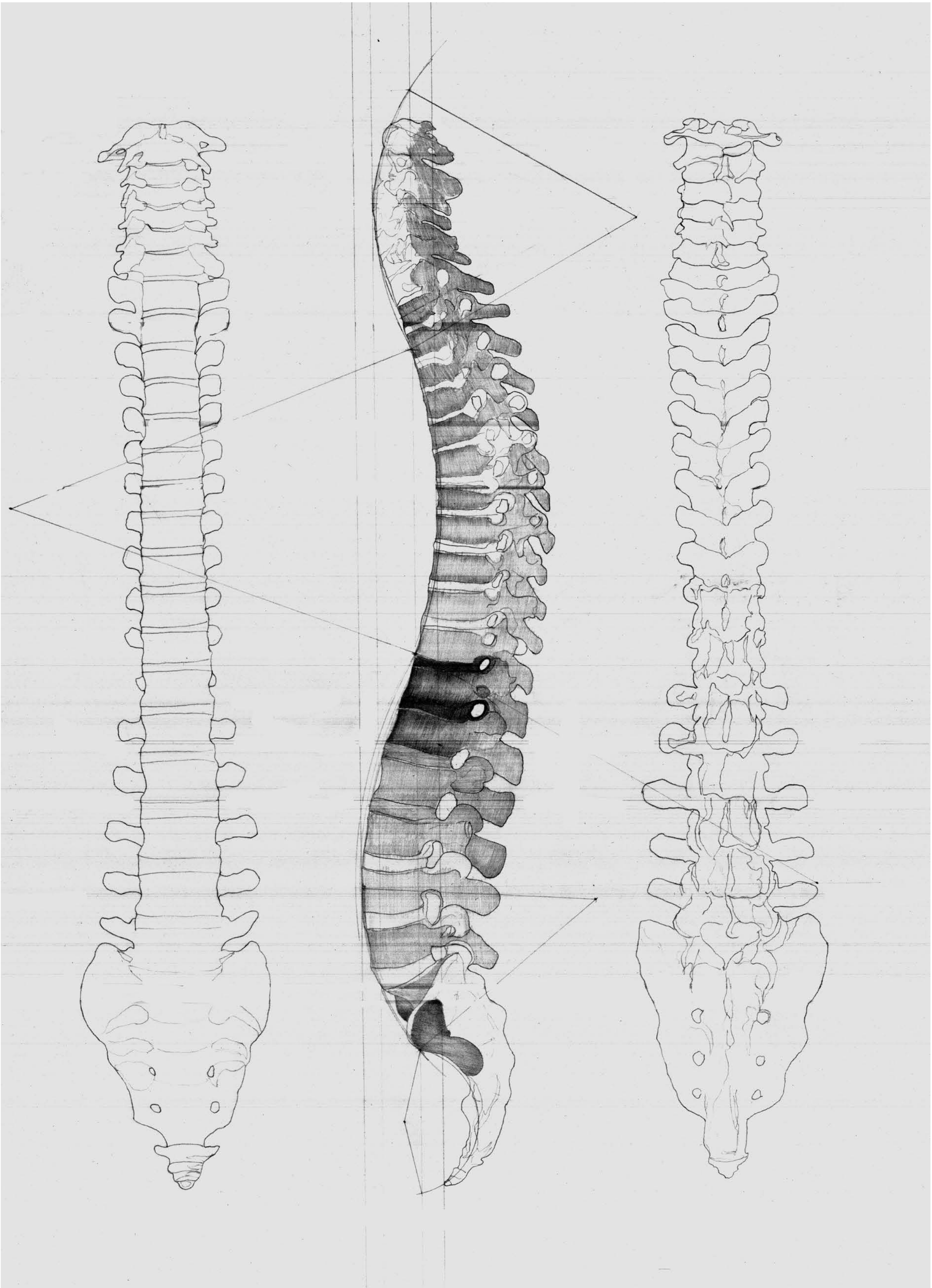
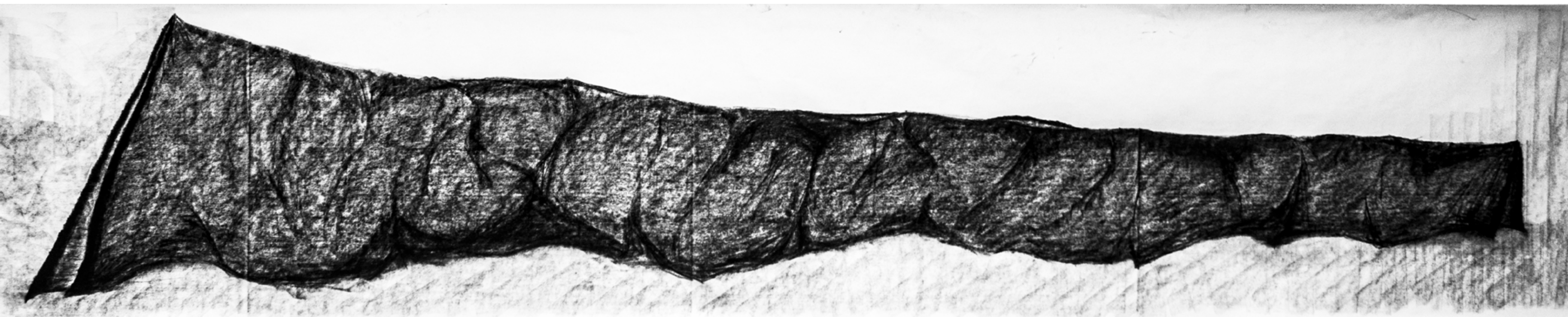


fig.36



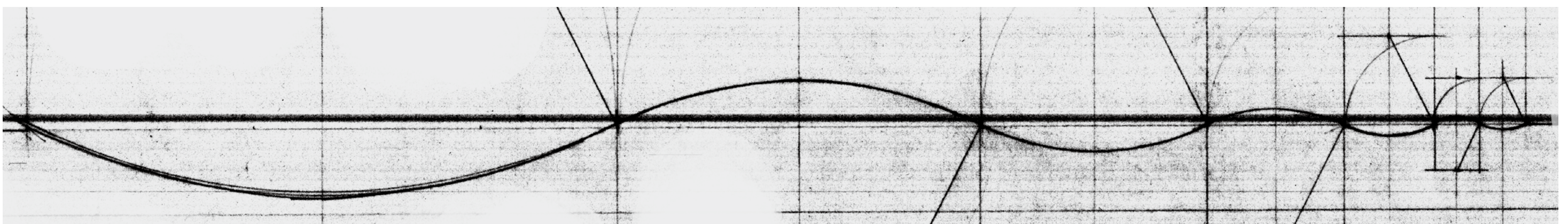
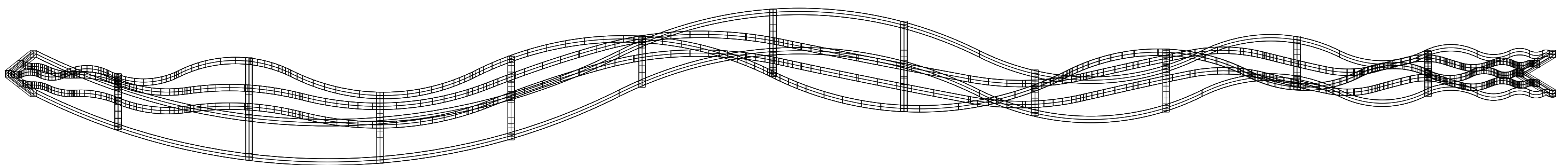
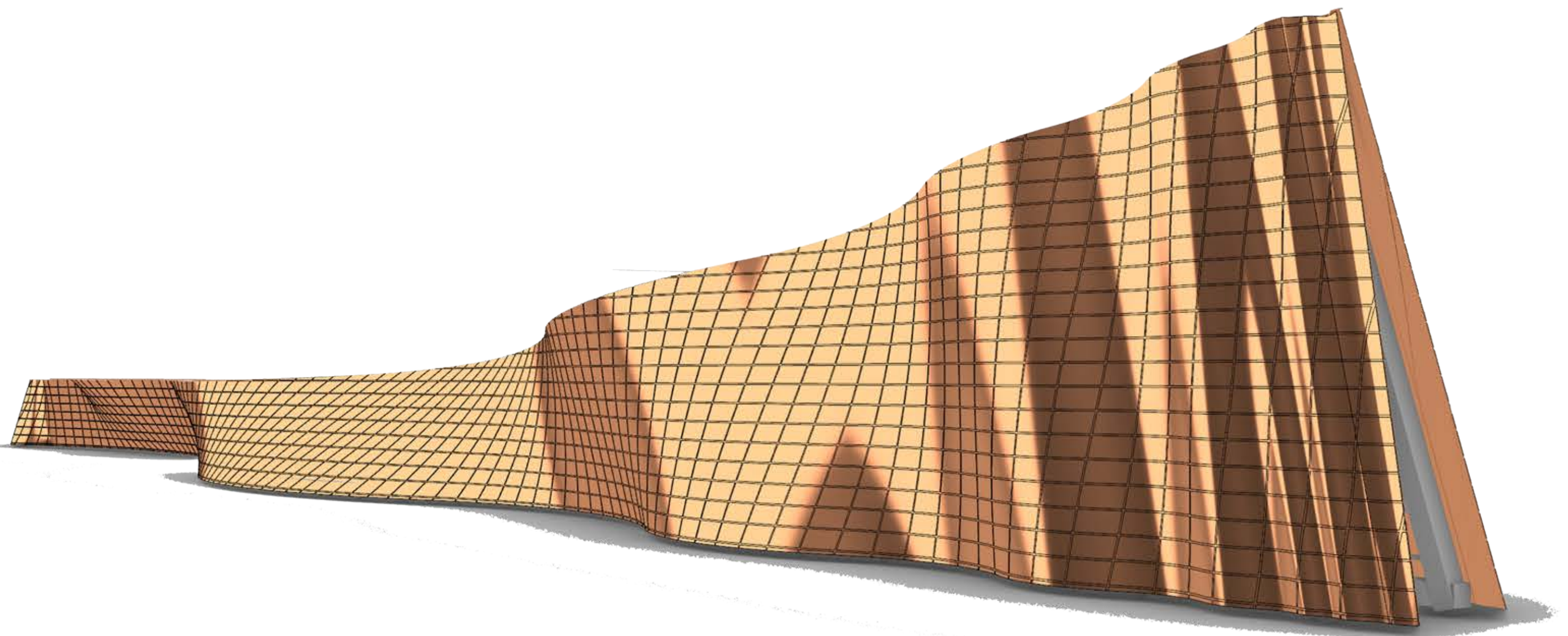


fig.38

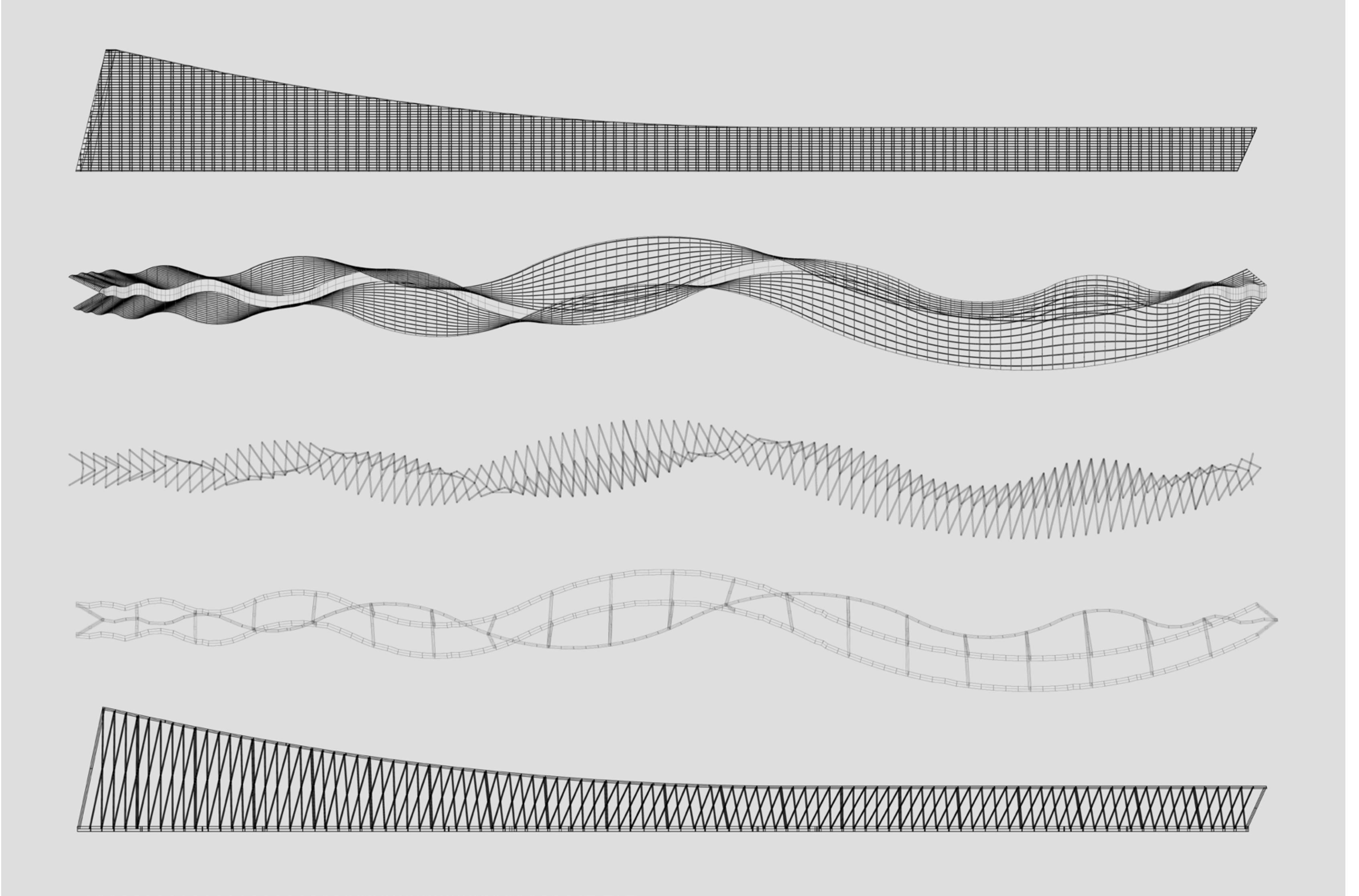


fig.39

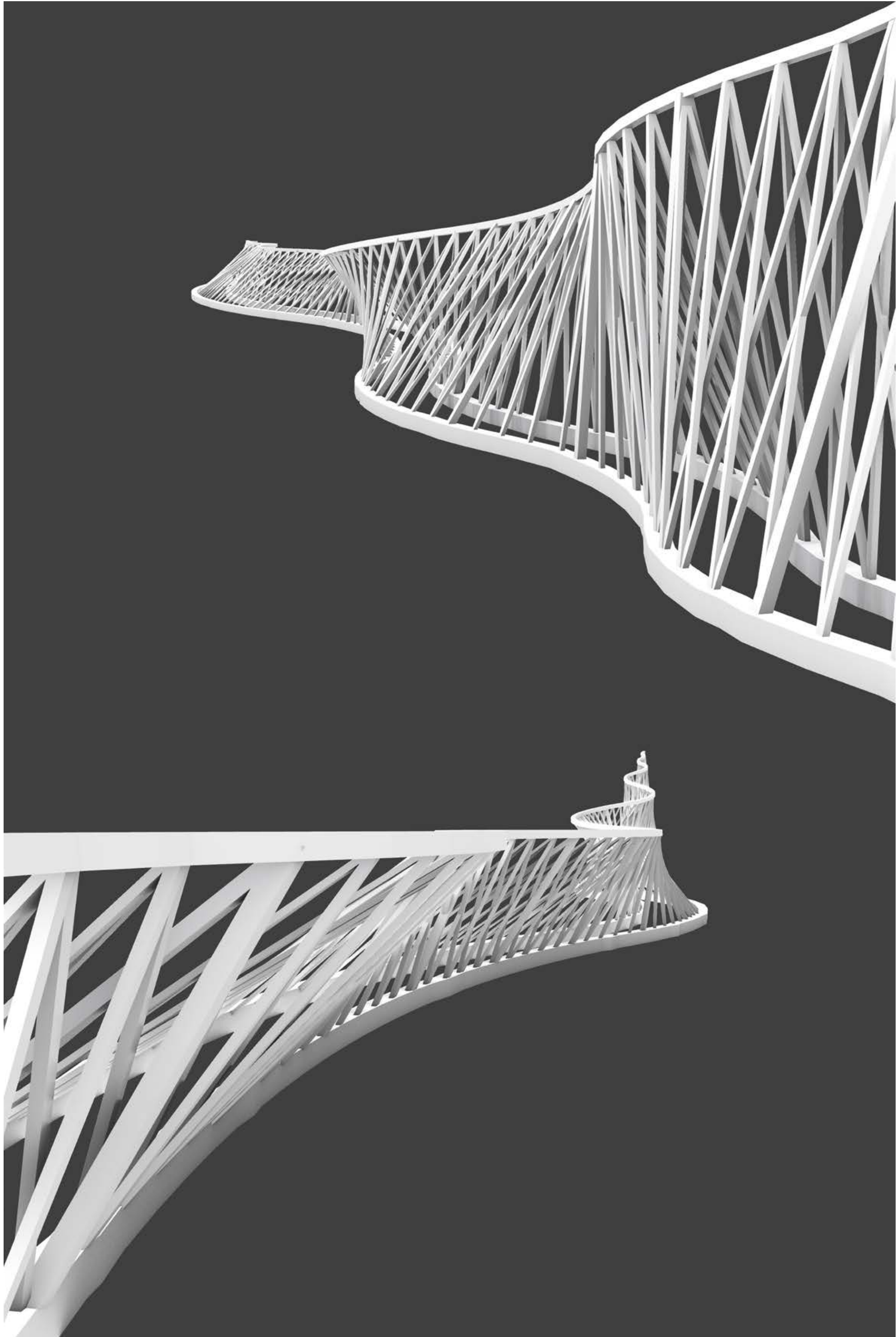


fig.40



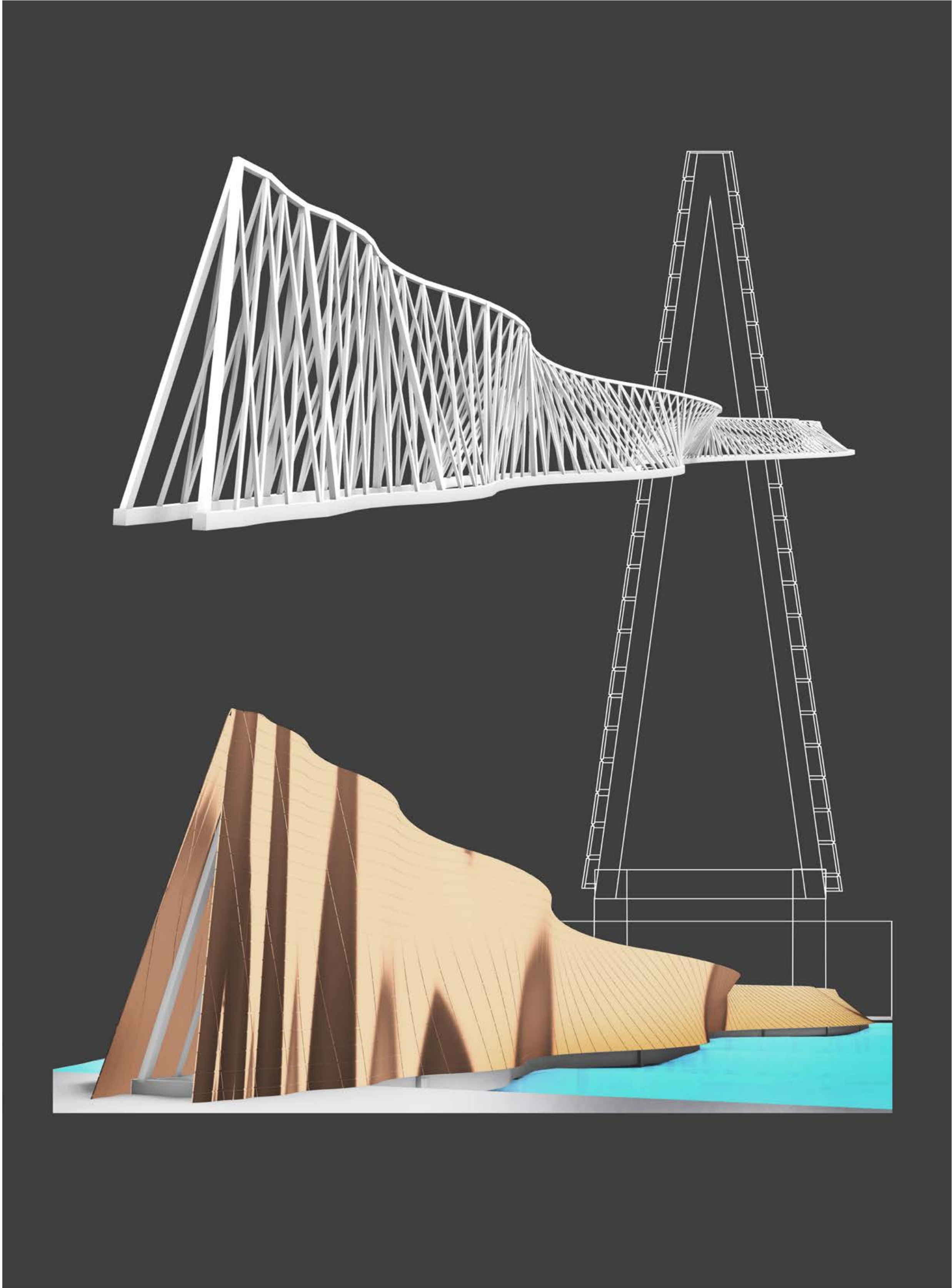


fig.42

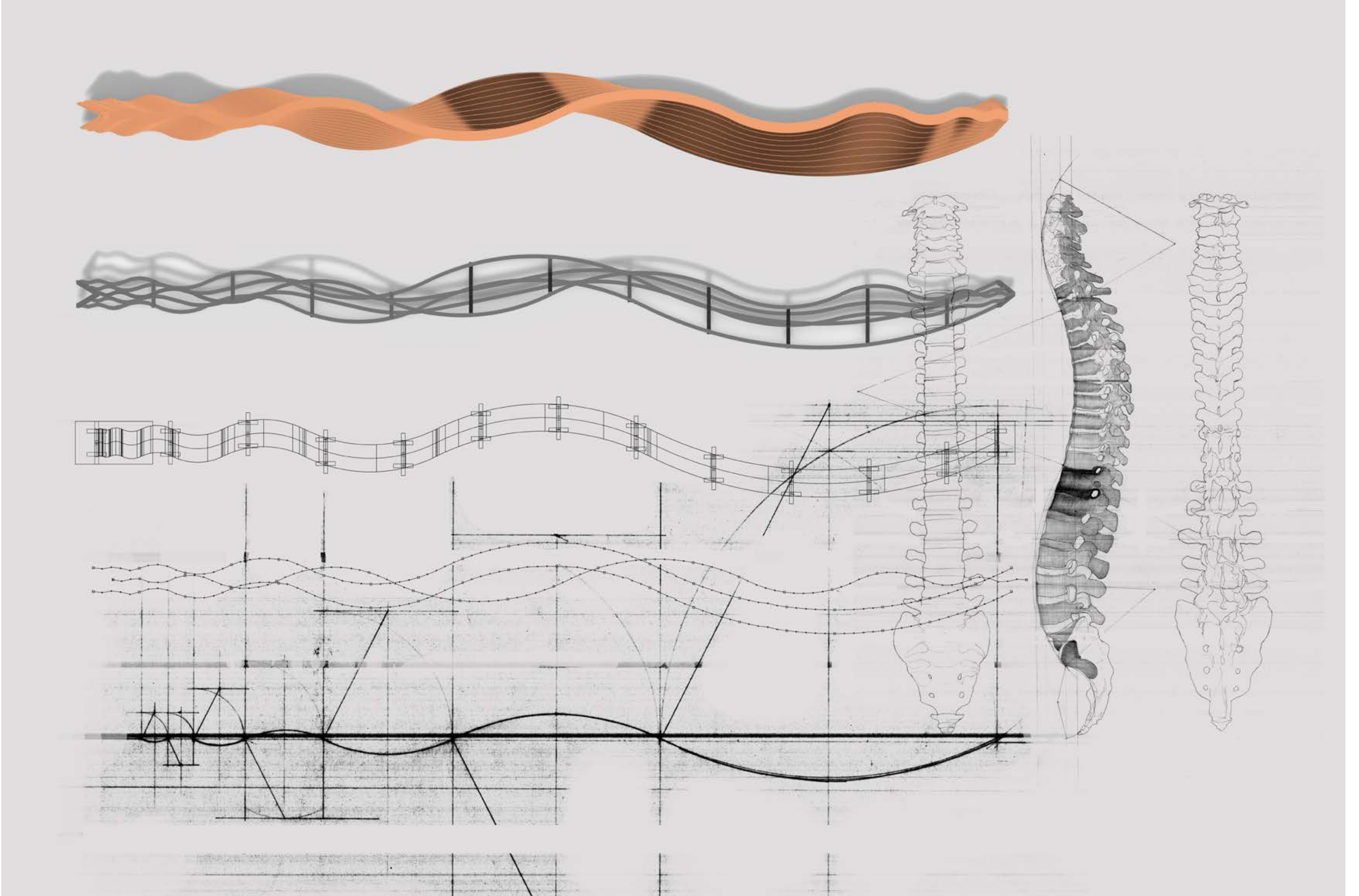


fig.43

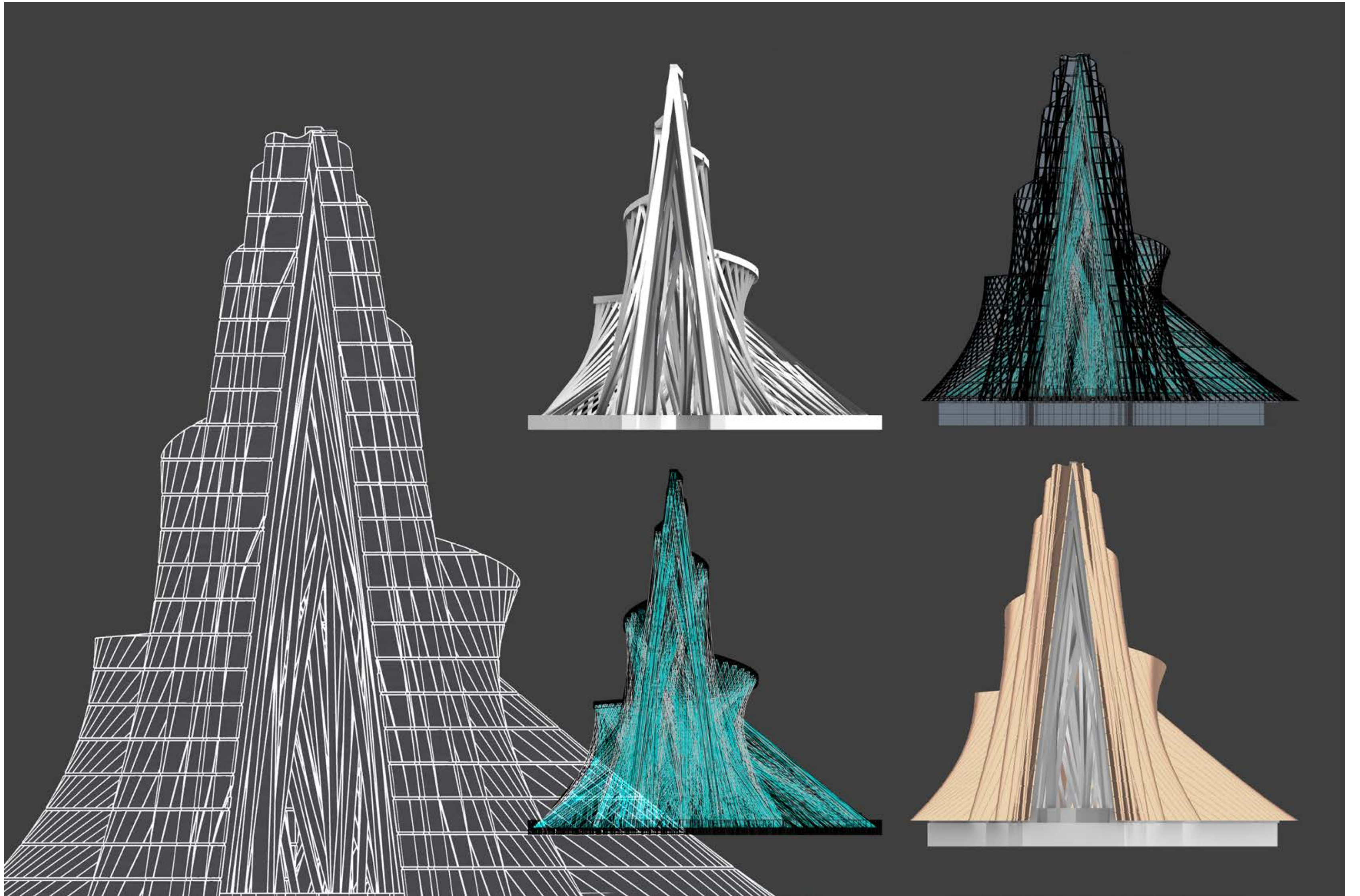


fig.44

fig.45

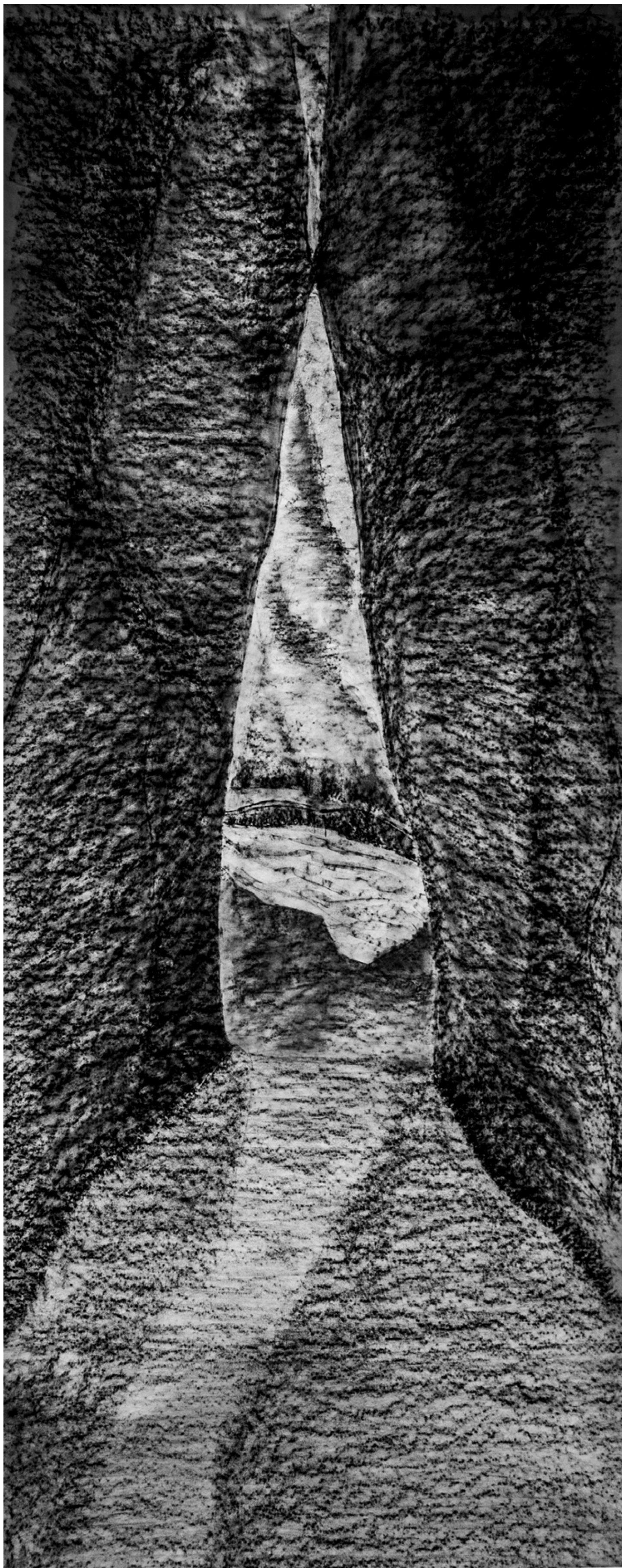




fig.46

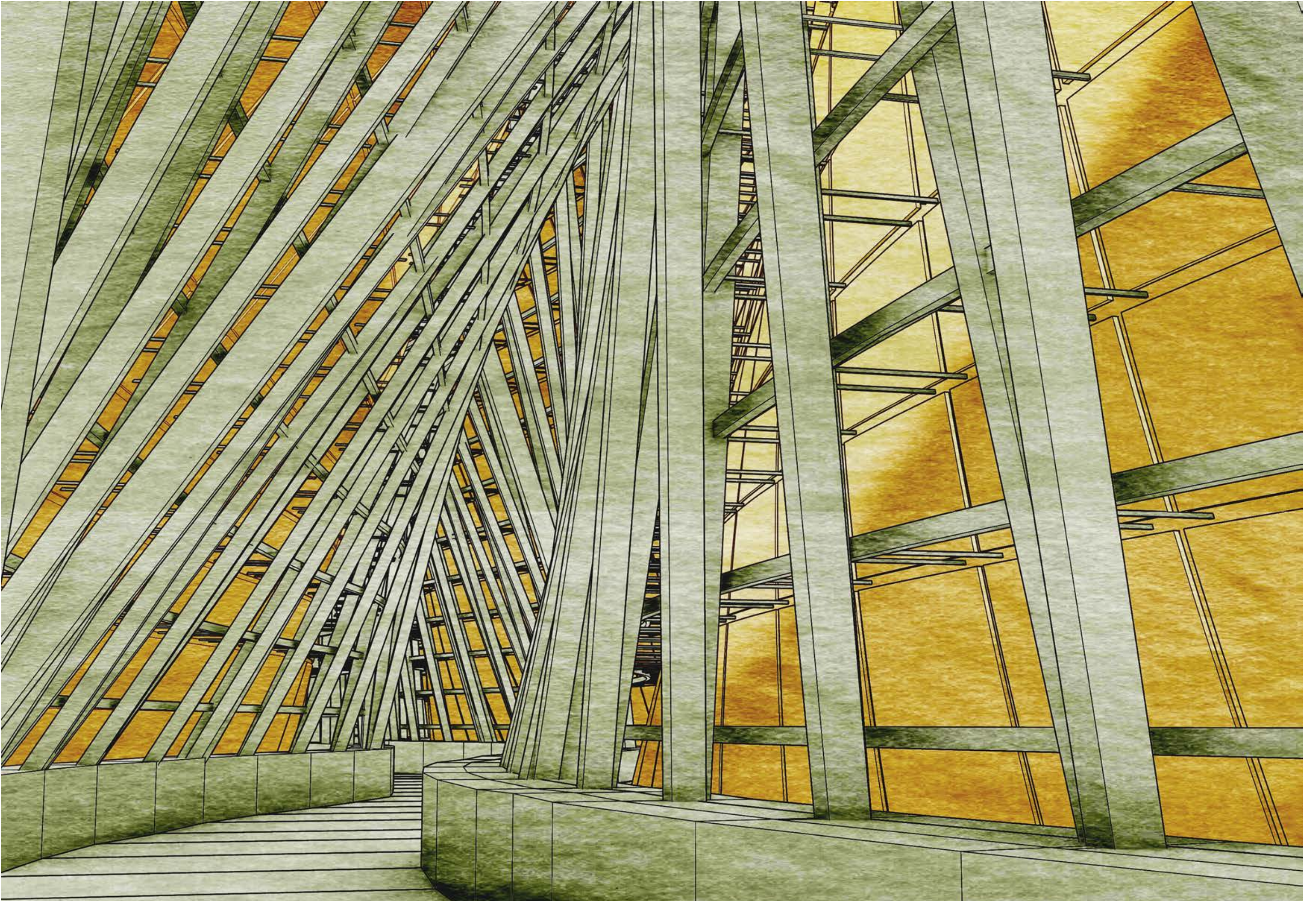


fig.47



fig.48



fig.49



fig.50

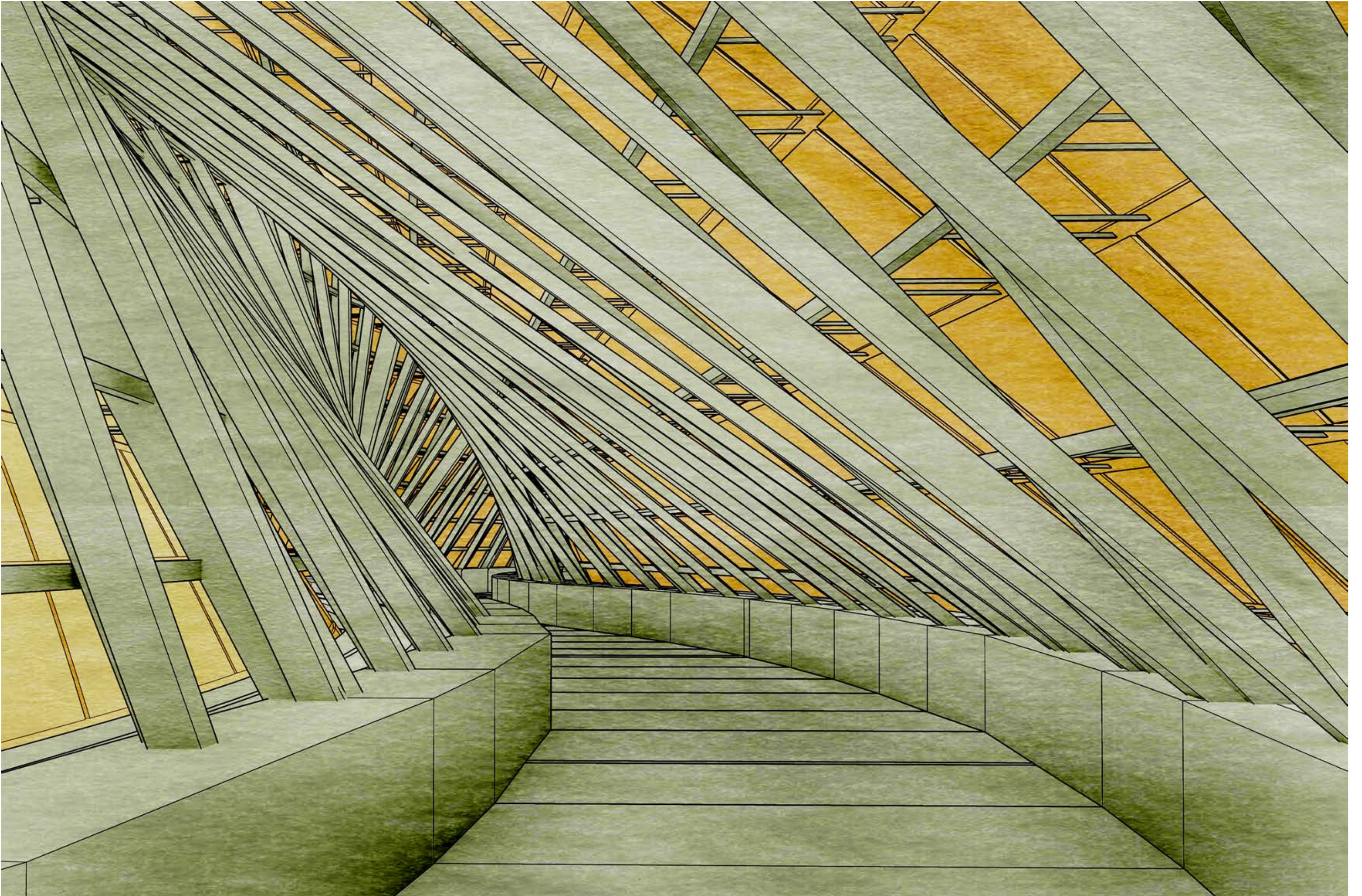


fig.51

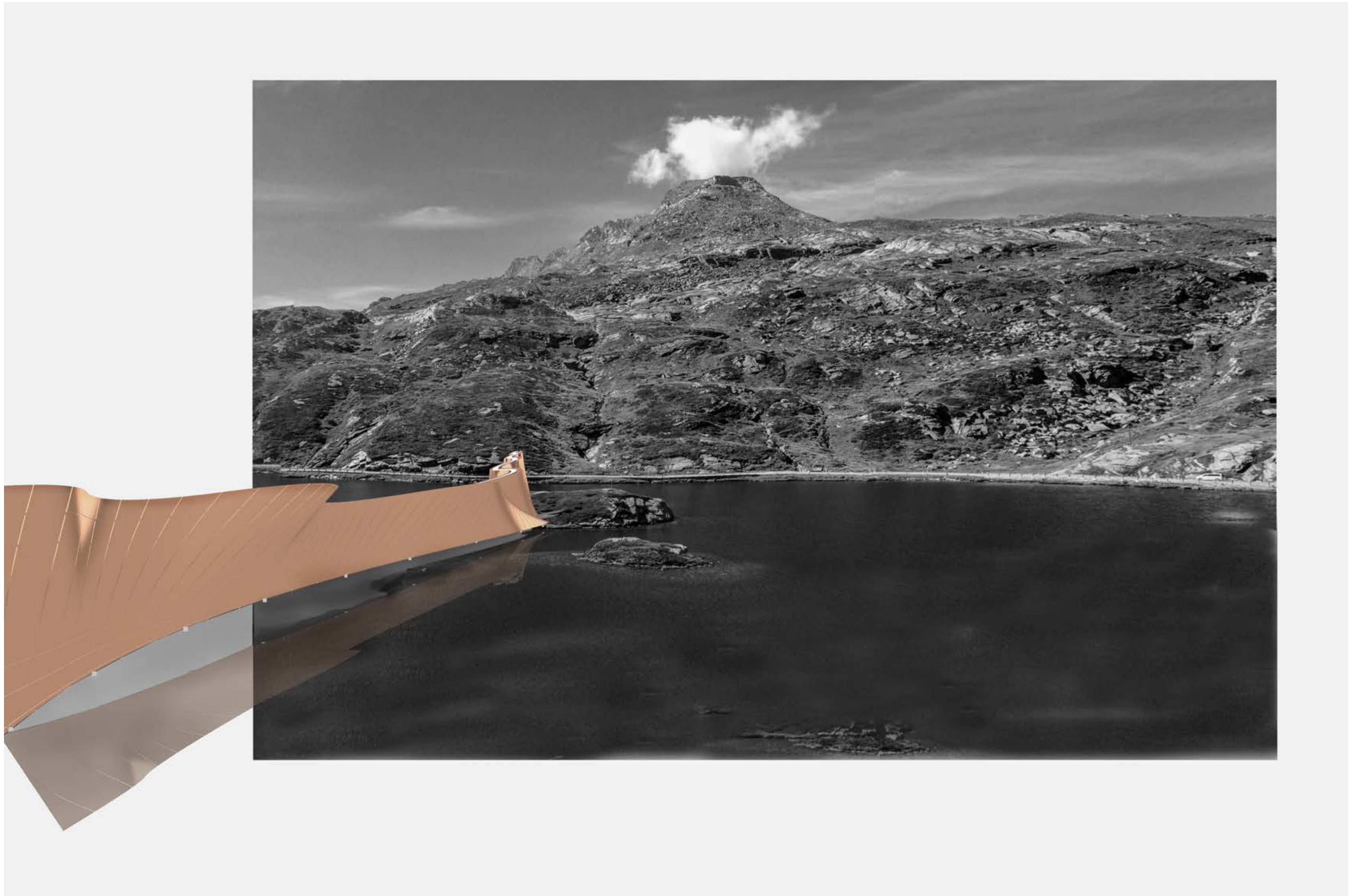
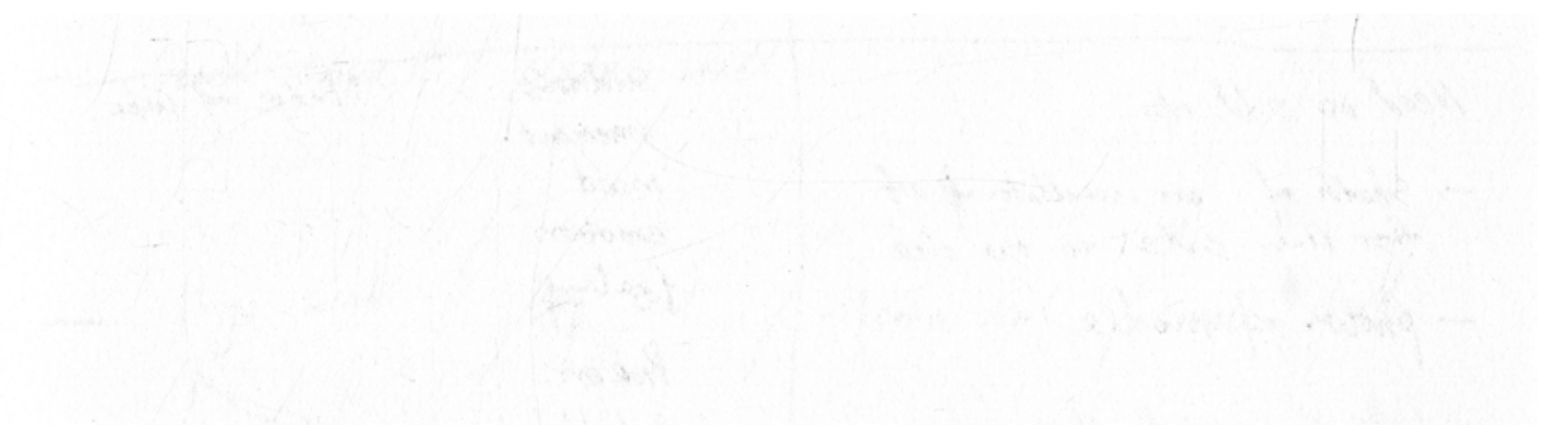


fig.52



Between Composure and Seduction. It has to do with the way
architecture involves movement. Architecture is a spatial art,
as people always say. But architecture is also a temporal art.



Model

- instead of bridge
- Small scale
mash
Fabric
steel sheet/plate
- Load scale
segment → Fabric

Re-Demonstration

- postcard
- Hand drawing pencil
- Sofa
- Chacoal
- Music

Need to add into:

- Sketch of art installation of first the enter to the site
- photo of model
- body of curve. photo/sketch

skillness. moment. mood. emotion. feeling.

Broken. Rebuild. separation. exchange. mercy. Destruction. Creation. Violence. Sensible. Limitation. Limitation. Resistant. Against. true love. Introspection ⇒ alone

Edge of lake.

Body

What I have:

- Bridge ^{encounter site. art installation.}
- Half Bridge with courtyard and tower.
- Huge wall.
- Fabric wall. - Tent ^{cable suspension.} - Sofa. Temporary Bridge.
- Huge steel frame wall. Bridge. ship. With Fabric facade.
- Steel sheet / plate wall.

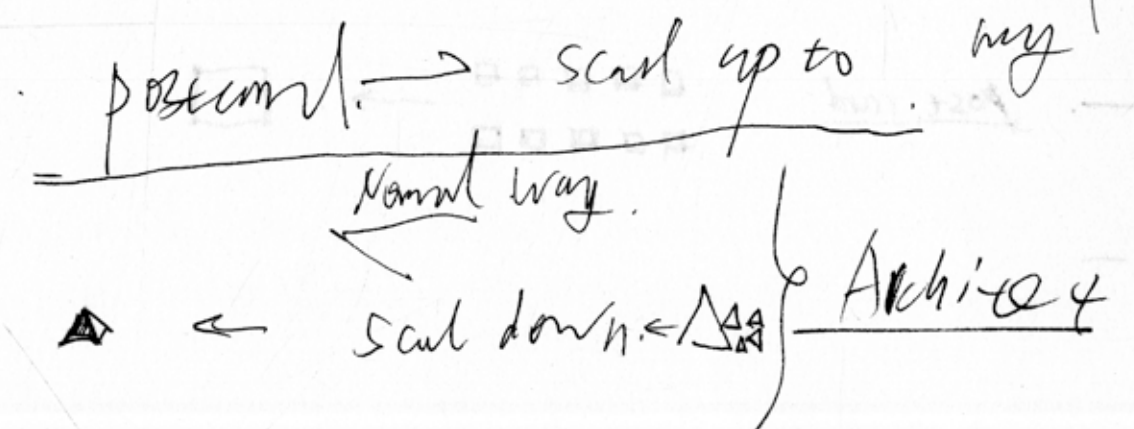
Confrontation

Fam. curve.

Huge scale / Big scale / Media scale / small scale.



Confrontation



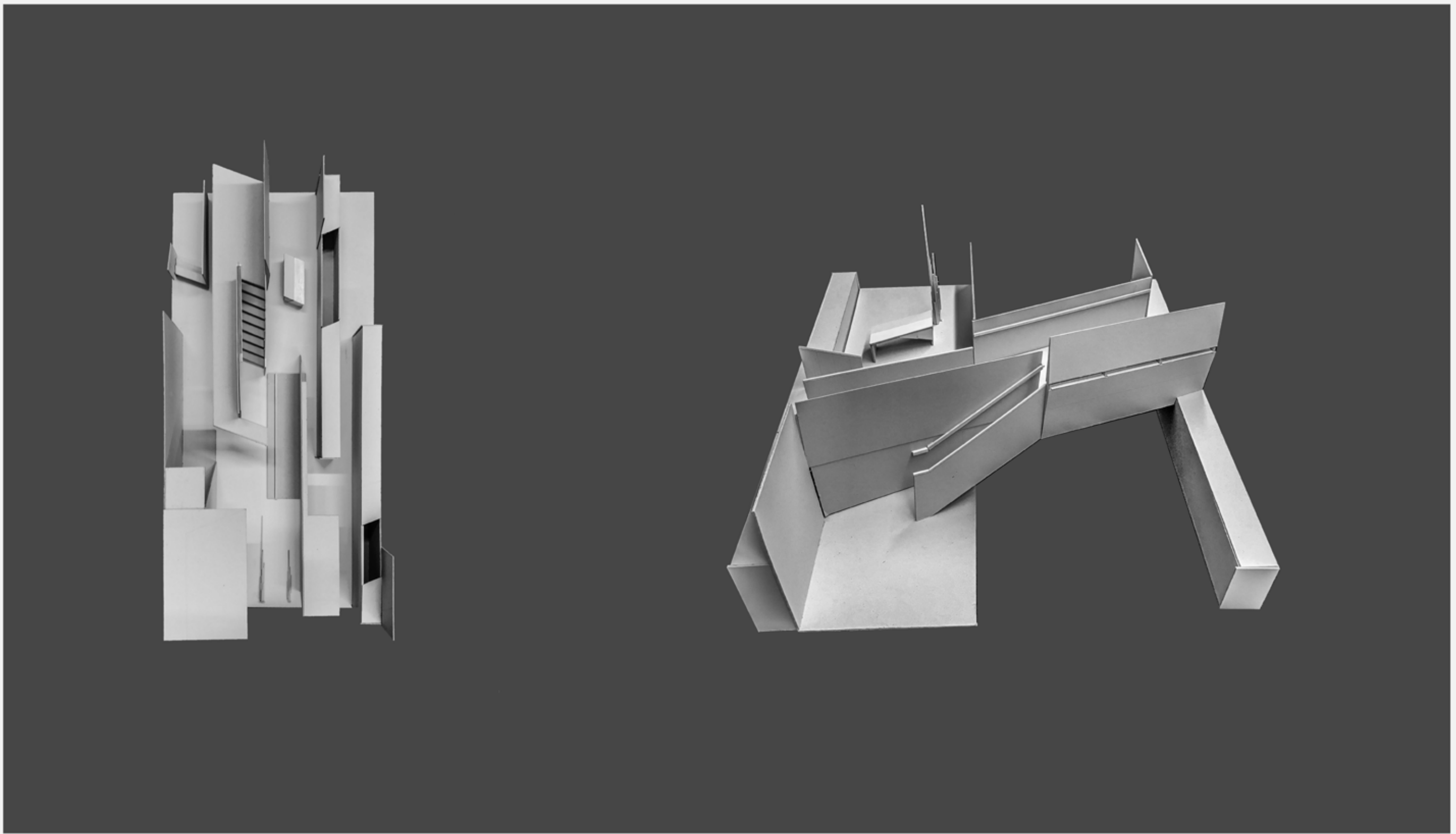


fig.55

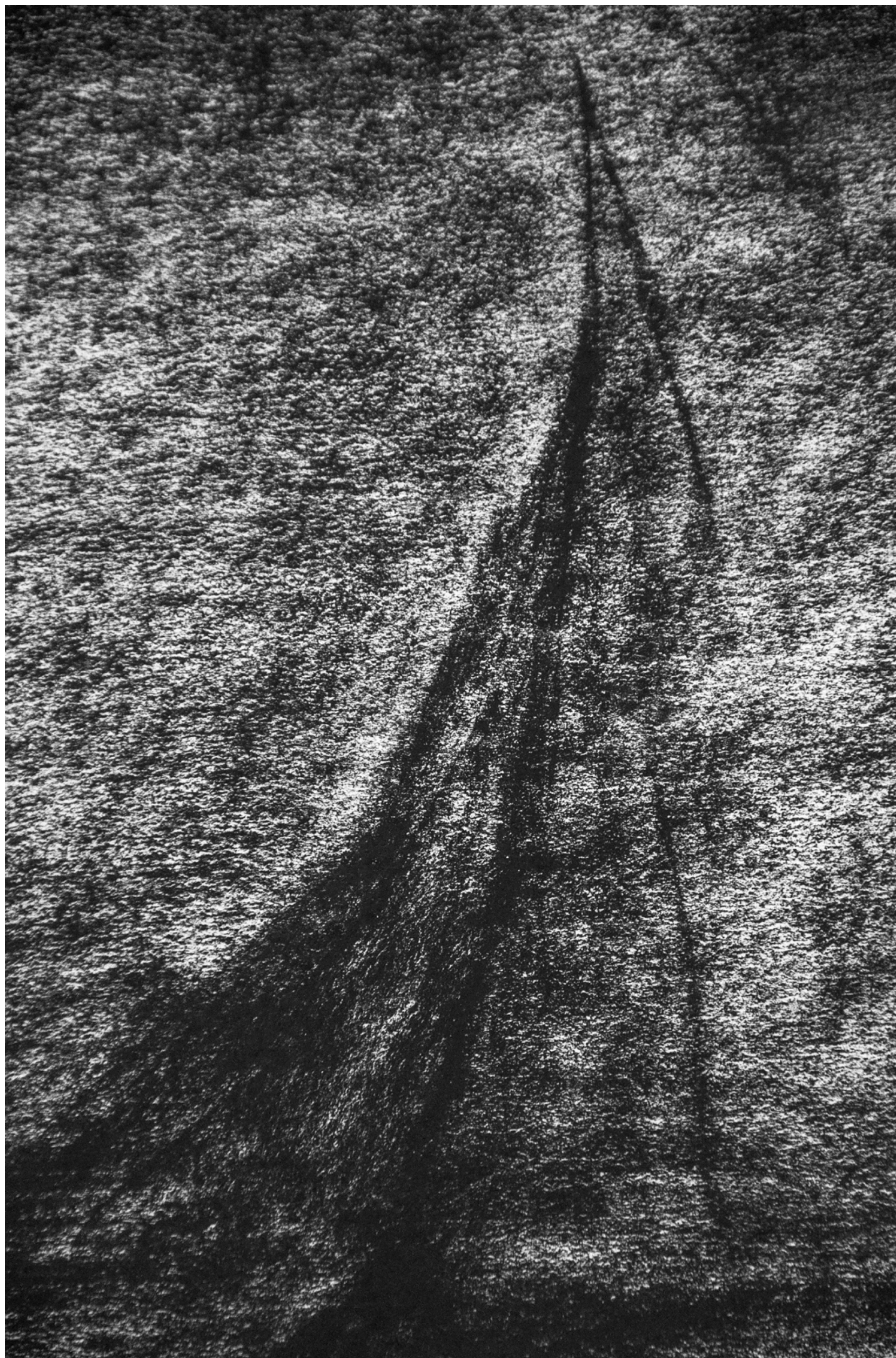


fig.56



fig.57

fig.58



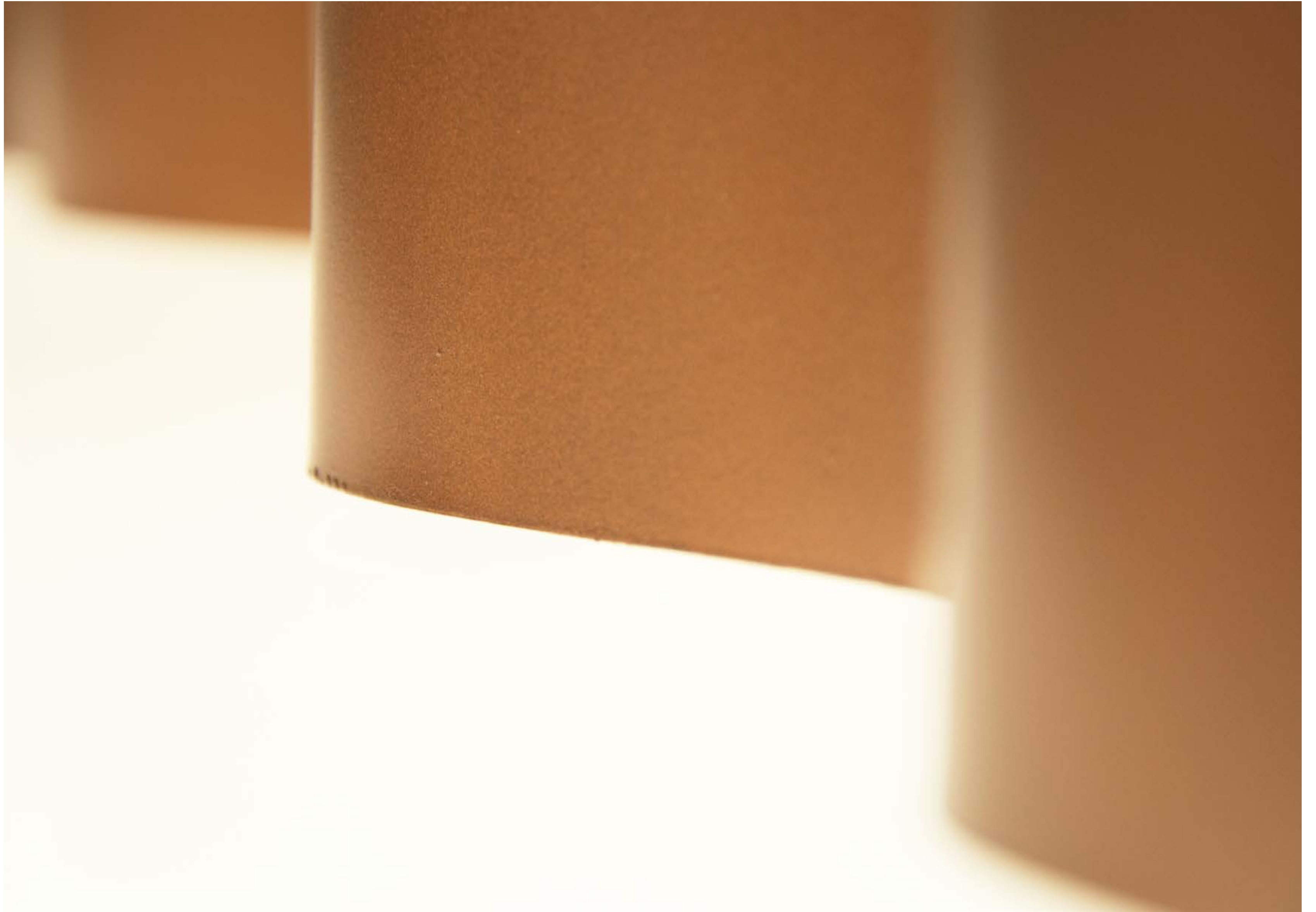


fig.59

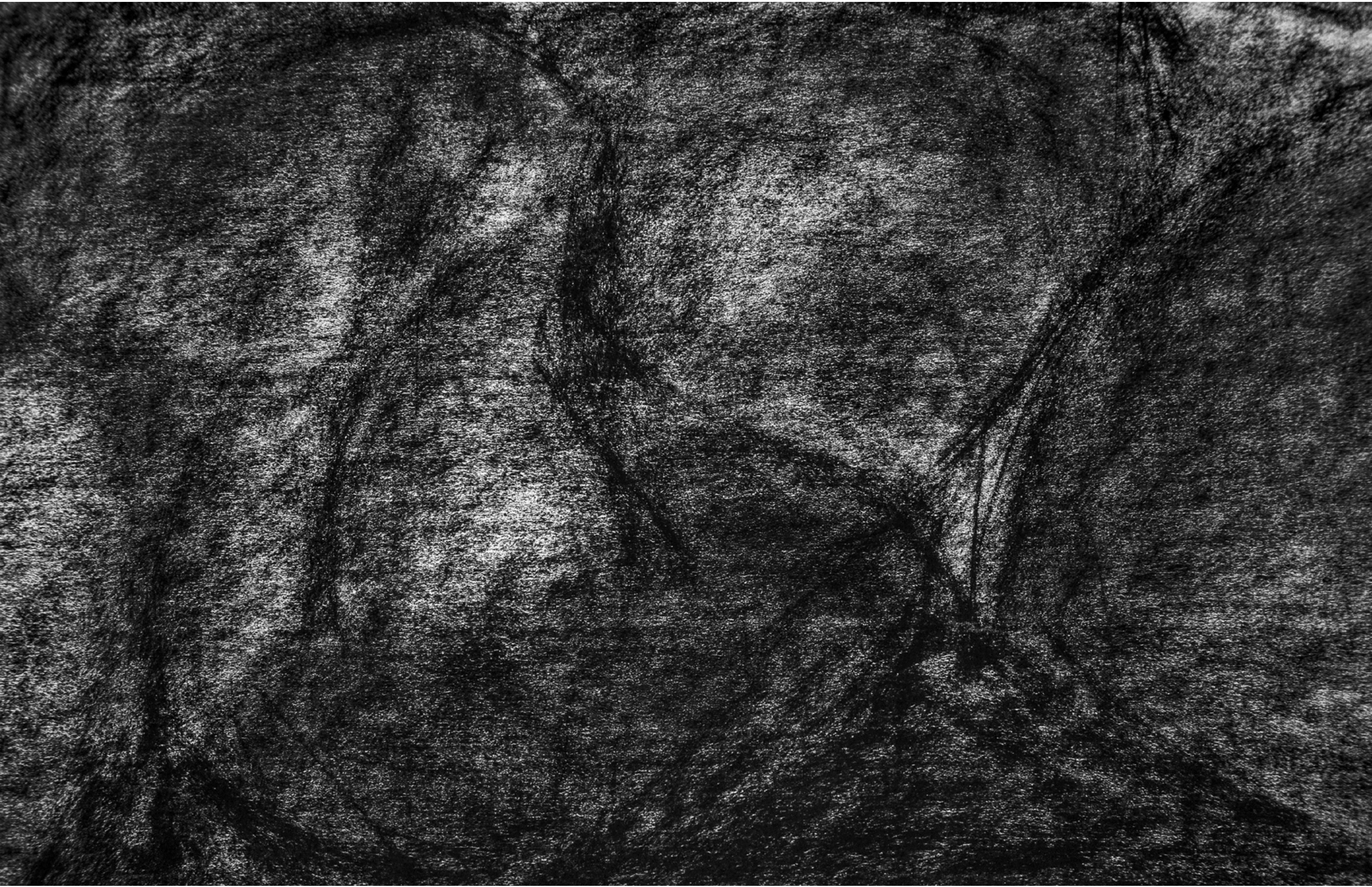


fig.60



fig.61

List of Figures

figure #	page #		Size
01	01	Half bridge elevation / Charcoal	24 in x 36 in
02	02	Plan drawing and sketch of half bridge with courtyard and tower / pencil on vellum	24 in x 36 in
03	03	Perspective drawing of half bridge with courtyard and tower / digital projections	24 in x 36 in
04	04	Perspective drawing of sheme 1 / digital projections	24 in x 36 in
05	05	Elevation of scheme 1 / sketch	11 in x 17 in
06	06	Section 1 of scheme 1 / pencil on vellum	24 in x 36 in
07	07	Section 2 of scheme 1 / pencil on vellum	24 in x 36 in
08	08	Section 3 of scheme 1 / pencil on vellum	24 in x 36 in
09	09	Plan 1 of scheme 1 / pencil on vellum	24 in x 36 in
10	10	Plan 2 of scheme 1 / pencil on vellum	24 in x 36 in
11	11	Plan 3 of scheme 1 / pencil on vellum	24 in x 36 in
12	12	Plan 4 of scheme 1 / pencil on vellum	24 in x 36 in
13	13	Sketch of elevation of scheme 1 / soft pastels on vellum	24 in x 36 in
14	14	Elevation of scheme 2 / pencil on vellum	24 in x 36 in
15	15	Elevation of scheme 2 / pencil on vellum	24 in x 36 in
16	16	Section of scheme 2 / pencil on vellum	24 in x 36 in
17	17	Section of scheme 2 / pencil on vellum	24 in x 36 in
18	18	Perspective drawing of scheme 2 / digital projections	24 in x 36 in
19	19	Perspective drawing of scheme 2 / digital projections	24 in x 36 in
20	20	Perspective drawing of scheme 2 / digital projections	20 in x 36 in
21	21	Perspective drawing of scheme 2 / digital projections	24 in x 36 in
22	22	Perspective drawing of scheme 2 / digital projections	24 in x 36 in
23	23	Perspective drawing of scheme 2 / digital projections	24 in x 36 in
24	24	Site elevation of scheme 2 / digital projections	24 in x 36 in
25	25	Elevation of scheme 2 / digital projections	10 in x 36 in
26	26	Perspective and plan drawing of scheme 3 / digital projections	24 in x 36 in
27	27	Perspective of scheme 3 / digital projections	24 in x 36 in
28	28	Section and Plan drawings of scheme 3 / digital drawing	24 in x 36 in
29	29	Perspective of scheme 3 / digital projections	24 in x 36 in
30	30	Axonometric of scheme 3 / digital projections	24 in x 36 in
31	31	Perspective and plan section drawing of scheme 3 / digital projections	24 in x 36 in
32	32	Axonometric of scheme 4 / sketch	17 in x 5 in
33	33	Axonometric of scheme 4 / pencil on vellum	20 in x 30 in
34	34	Axonometric of scheme 4 / color pencil on vellum	20 in x 30 in
35	35	Constructive curve design drawing of scheme 4 / pencil on vellum	24 in x 36 in
36	36	Human spine drawing / pencil on vellum	24 in x 36 in
37	37	Elevation of scheme 4 / Charcoal	36 in x 168 in
38	38	Perspective and plan drawing of scheme 4 / digital projections and pencil	24 in x 36 in
39	39	Elevation and plan drawing of scheme 4 / digital drawing	24 in x 36 in
40	40	Perspective of scheme 4 / digital projections	36 in x 24 in
41	41	Elevation of scheme 4 / digital projections	10 in x 36 in
42	42	Perspective and section drawing of scheme 4 / digital projections	36 in x 24 in
43	43	Plan drawing of scheme 4 / digital projections and pencil	24 in x 36 in
44	44	Front elevation drawing of scheme 4 / digital projections	24 in x 36 in
45	45	Perspective of scheme 4 / Charcoal	96 in x 36 in
46	46	Perspective of scheme 4 / digital projections	24 in x 36 in
47	47	Perspective of scheme 4 / digital projections	24 in x 36 in
48	48	Perspective of scheme 4 / digital projections	24 in x 36 in
49	49	Perspective of scheme 4 / digital projections	24 in x 36 in
50	50	Perspective of scheme 4 / digital projections	24 in x 36 in
51	51	Perspective of scheme 4 / digital projections	24 in x 36 in
52	52	Perspective of scheme 4 / digital projections	24 in x 36 in
53	53	Model of scheme 4 / digital photograph / Sketch book notes	24 in x 36 in
		Appendix	
54	54	Sketch book notes for final defense	11 in x 17 in
55	55	Bridge in Riva San Vitale / Chipboard Model	24 in x 36 in
56	56	Charcoal detail photo / digital photograph	24 in x 36 in
57	57	Model digital photograph	24 in x 36 in
58	58	Charcoal detail / digital photograph	36 in x 24 in
59	59	Model digital photograph	24 in x 36 in
60	60	Charcoal detail / digital photograph	24 in x 36 in
61	61	Final defence room / digital photograph	36 in x 168 in
62	62	Model digital photograph	4 in x 2 in



fig.62