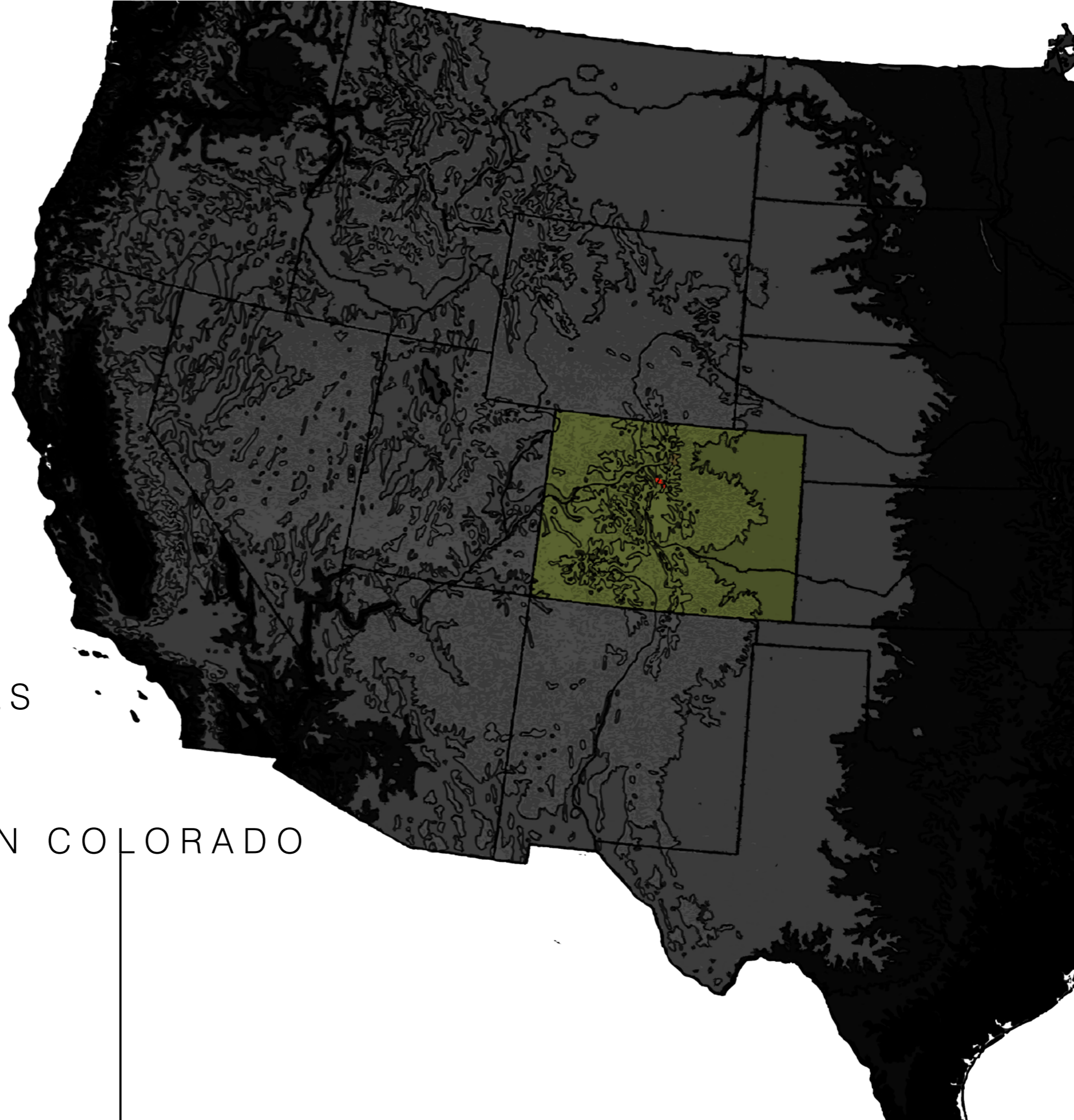


THE
NATIONAL
MUSEUM
OF GEMS
METALS
AND MINERALS
GEORGETOWN COLORADO



Is it possible to examine sustainability as both an experiential phenomena and a specialist's application of technology to a building?

Sustainability in architecture has become disconnected from experience because it has been reduced to a scientific application of technology to a building.

Sustainability 2015:

Sustainability is the control of resources and energy in a reasonable manner yielding long lasting systems and processes which degrade the overall environment less than their counterparts.



Hans-Georg Gadamer

1900- 2002

The Enigma Of Health

“The experience that can be validated as certain by the scientific method has the distinction of being in principle absolutely independent of any situation of action and every integration into the context of action.”

“Science makes possible knowledge directed to the power of making, a knowing mastery of nature. This is Technology. And this is precisely what practice is not.”





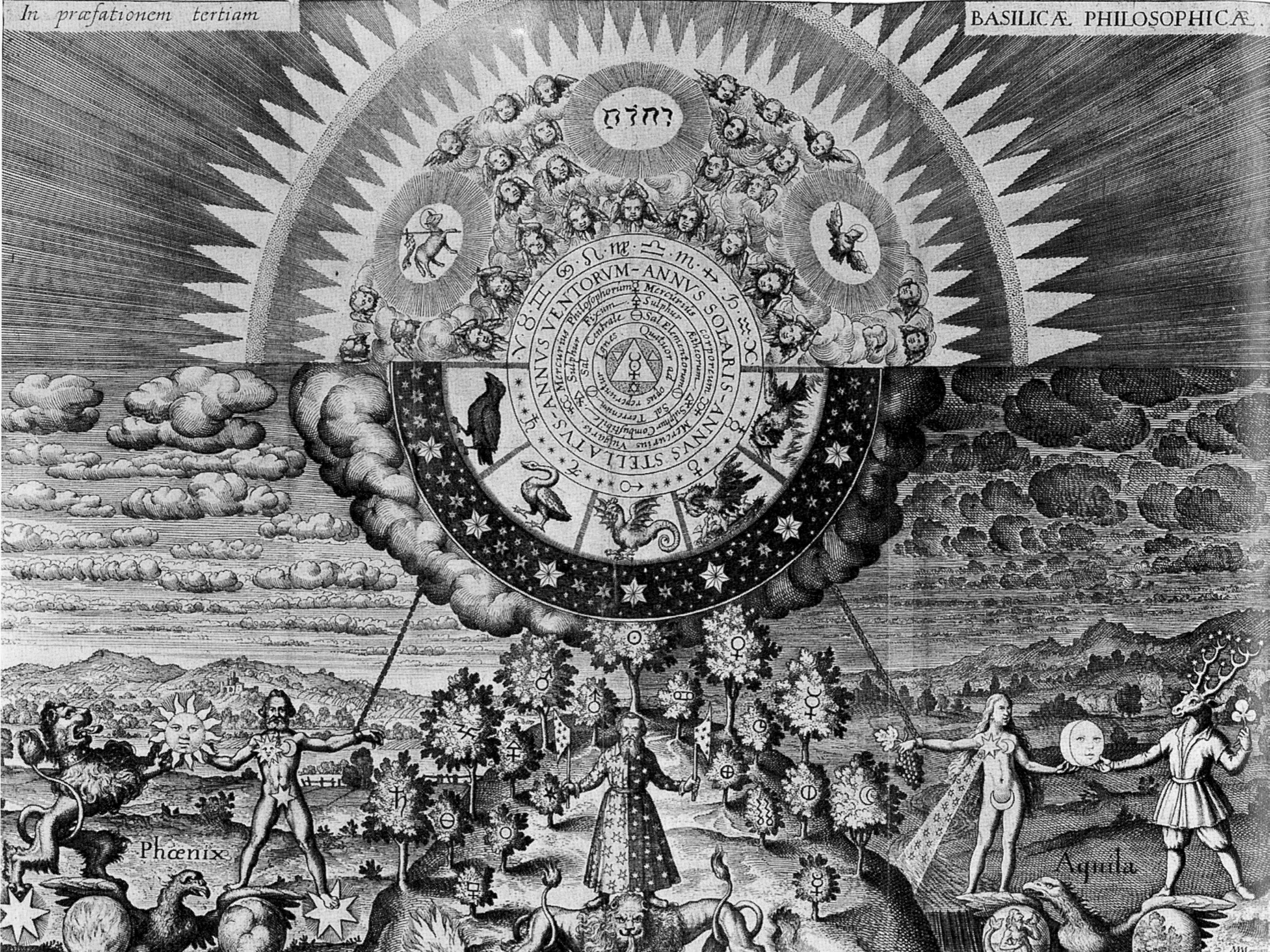
THE MYTH OF SUSTAINABLE CULTURE

Sustainability 2015:

Sustainability is the control of resources and energy in a reasonable manner yielding long lasting systems and processes which degrade the overall environment less than their counterparts.

Sustainability Sustain - Ability

Sustain (to restrain) - ability (the means to do something)
roots from the Anglo French word Sustenir (to uphold) -
rooting from Latin Sūstinere (to hold) - implying the bodily
action of holding something within one's own hands.



Phœnix

Aquila



Martin Heidegger

1889-1976

The Question Concerning Technology

Building, Dwelling, Thinking

Fourfold

Harmony in human perceptual experience alongside the earth, cosmos, and indefinite culture.

Bridge Metaphor

The river's banks only reveal themselves under the bridge which spans them.

Technological Reduction

"Truth" reduced to scientific analysis. Perception is no substitute for scientific knowledge.

On Dwelling

“Mortals dwell in that they save the earth... Saving does not only snatch something from danger. To save really means to set something free from its own presencing. To save the earth is more than to exploit it or even wear it out. Saving the earth does not master the earth and does not subjugate it, which is merely one step from spoliation”

-Martin Heidegger









Alberto Pérez Gómez

1949 -

Built Upon Love

The Myth of Daedalus

The Glass Architecture of Fra Luca Pacioli

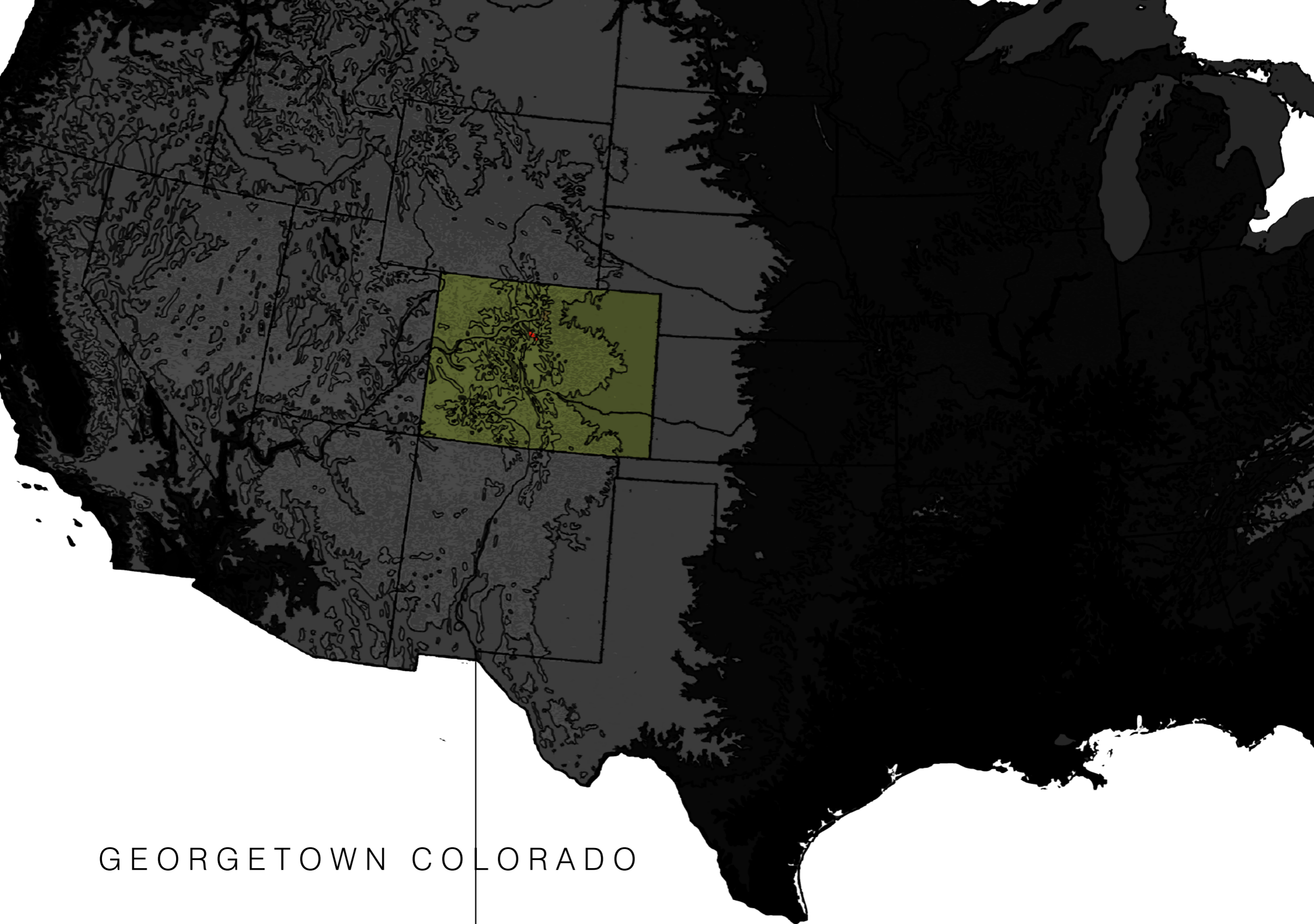
“The architecture of today is overshadowed by diverse demands and complex technologies. Historically the architect’s primary duty was to engage the public realm not unlike the sculptor or painter. The architect today though should be able to acknowledge this complexity and relate to the ever important cultural relevances relating to love, desire, and compassion on which architecture is built.”



15th century artists depiction of Voluptas, Chastity, and Beauty adorned in rare stones; each a symbol of the three qualities required for pure attraction and seduction. (Roman)

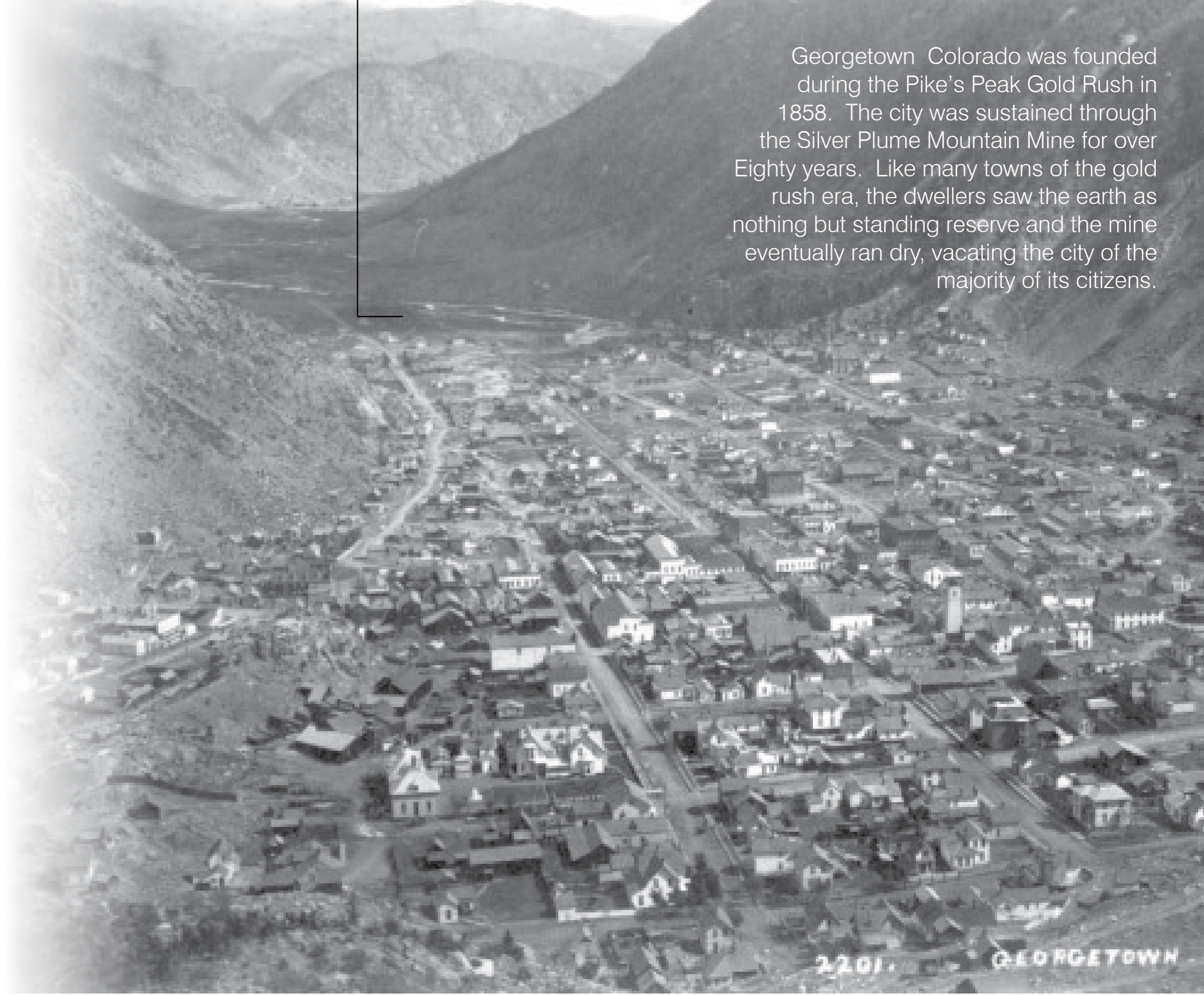


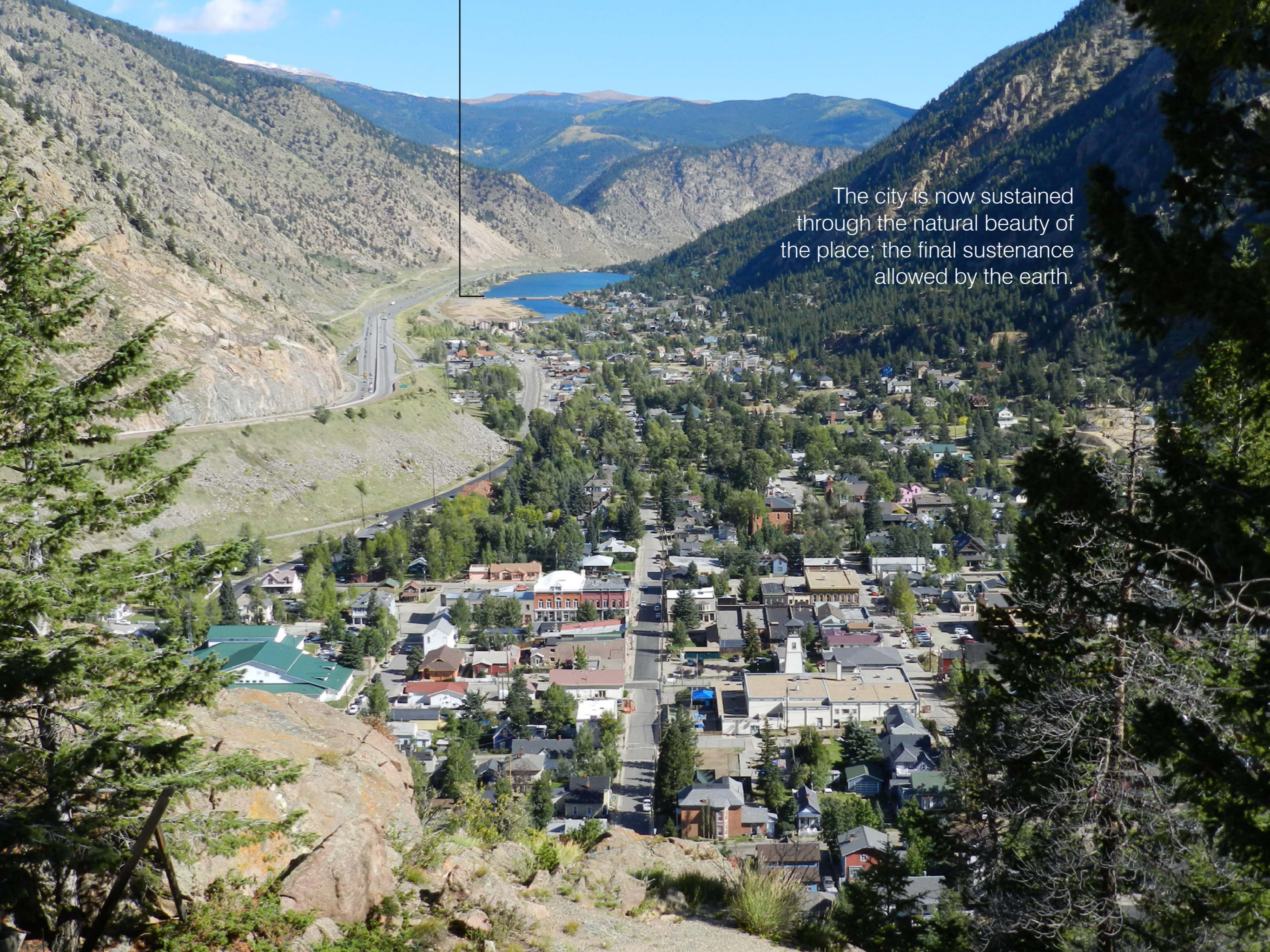
The Artefact



GEORGETOWN COLORADO

Georgetown Colorado was founded during the Pike's Peak Gold Rush in 1858. The city was sustained through the Silver Plume Mountain Mine for over Eighty years. Like many towns of the gold rush era, the dwellers saw the earth as nothing but standing reserve and the mine eventually ran dry, vacating the city of the majority of its citizens.





The city is now sustained through the natural beauty of the place; the final sustenance allowed by the earth.

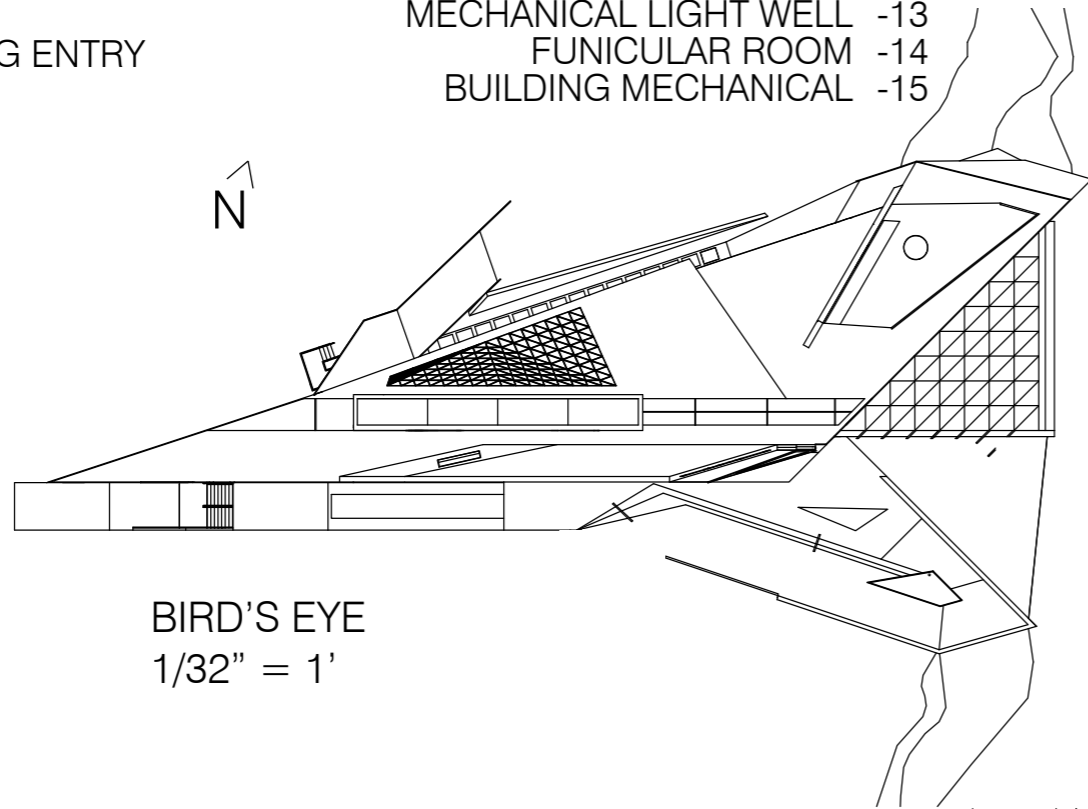




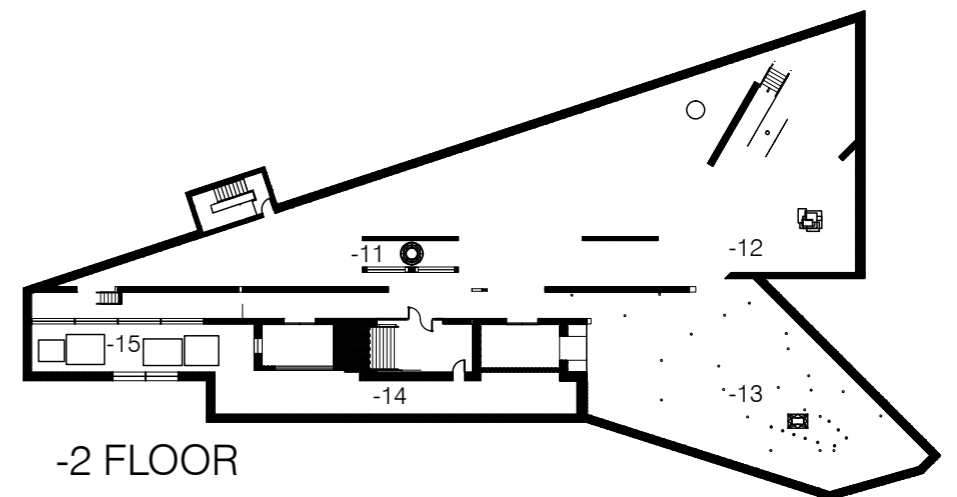
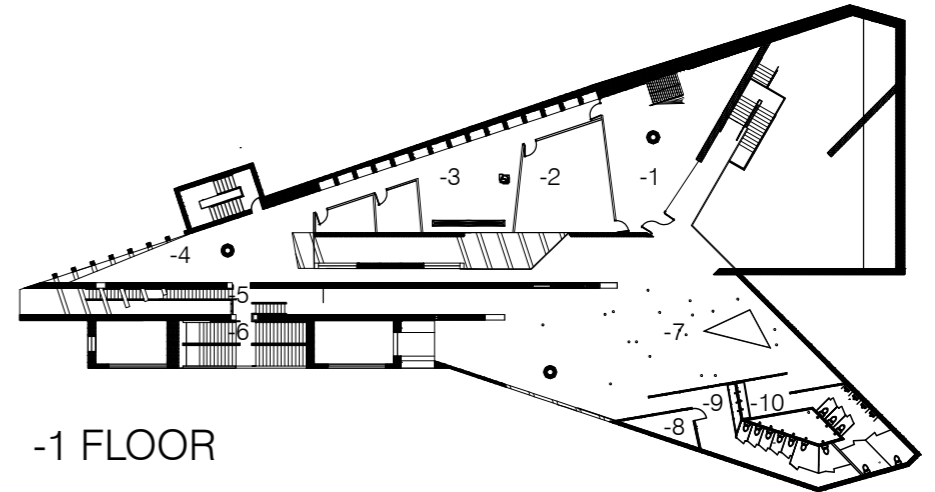
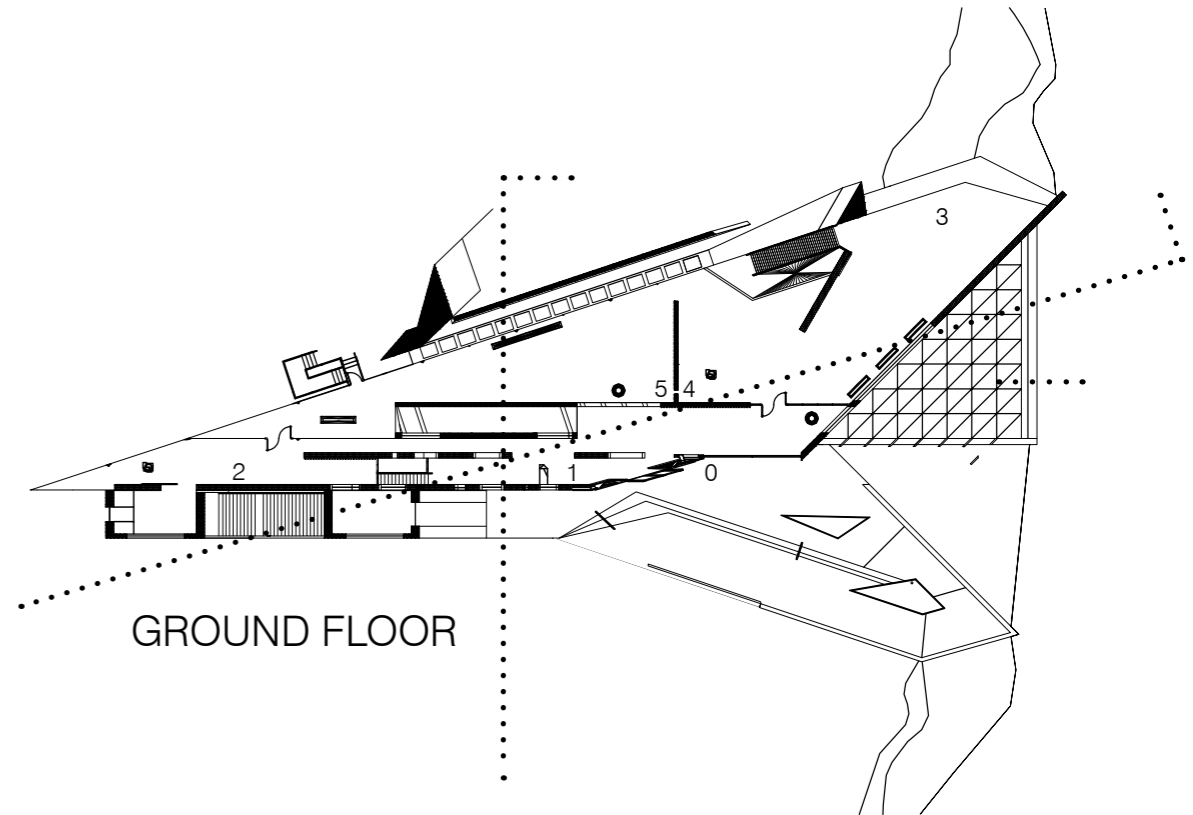




- | | | | |
|---|---------------------------|---------------------------|-----|
| 9 | ROOFTOP PATIO | EXPOSED INTERIOR DISPLAY | -1 |
| 8 | CAFE / SHOP | ADMINISTRATION / SECURITY | -2 |
| 7 | EXTERIOR CAFE SEATING | LIGHT WELL CORRIDOR | -3 |
| 6 | SKY GARDEN | EXPOSED EARTH DISPLAY | -4 |
| | | GROUND / -2 FLOOR ACCESS | -5 |
| | | GROUND / ROOFTOP ACCESS | -6 |
| | | GEOTHERMAL DISPLAY AREA | -7 |
| | | CUSTODIAN CLOSET | -8 |
| | | WOMEN'S WC | -9 |
| | | MEN'S WC | -10 |
| 5 | EXPOSED INTERIOR DISPLAY | SKY FRAME | -11 |
| 4 | EXPOSED INTERIOR DISPLAY | WAVE WELL | -12 |
| 3 | LAKE FRAME | MECHANICAL LIGHT WELL | -13 |
| 2 | FUNICULAR ELEVATOR ACCESS | FUNICULAR ROOM | -14 |
| 1 | RECEPTION | BUILDING MECHANICAL | -15 |
| 0 | BUILDING ENTRY | | |

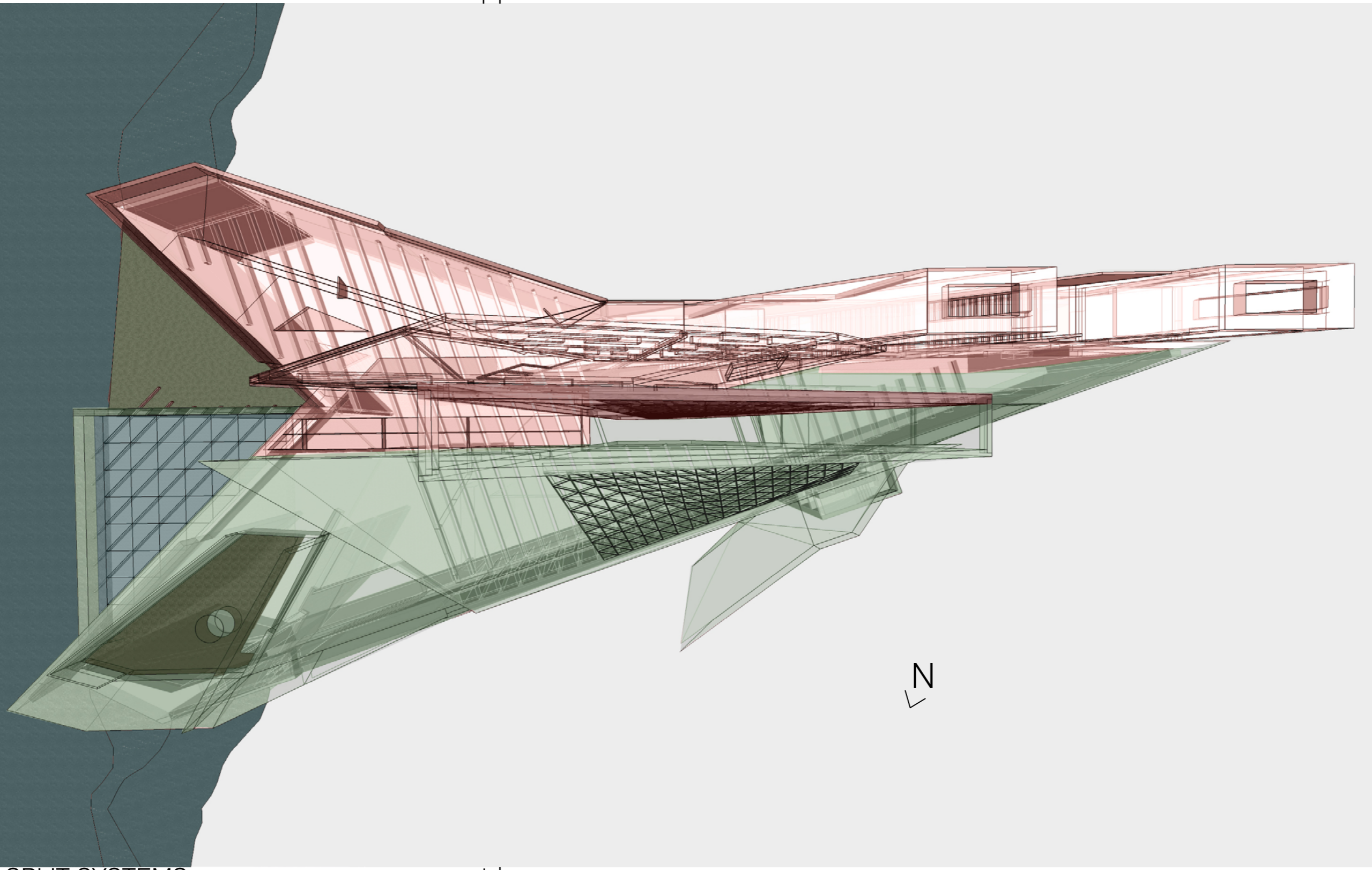


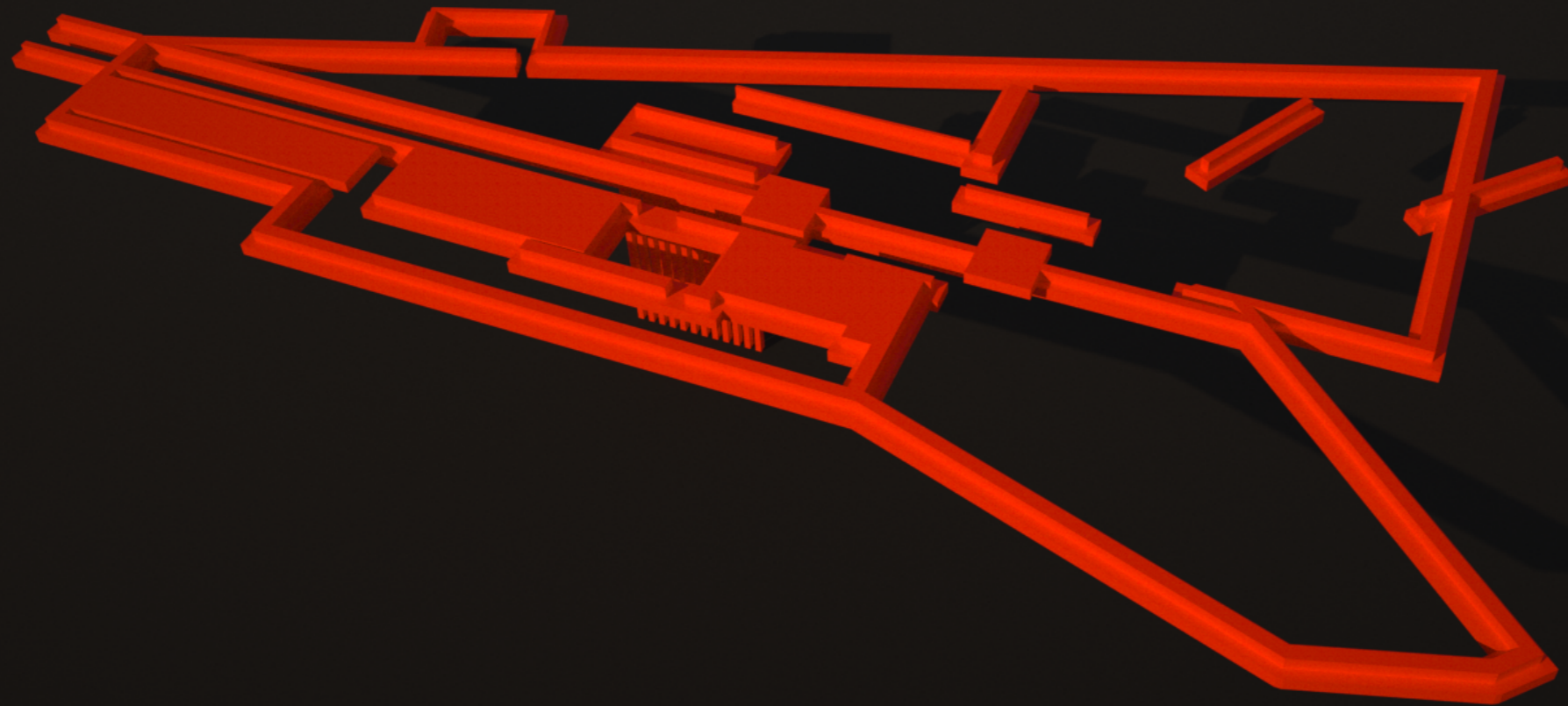
ROOF PLAN



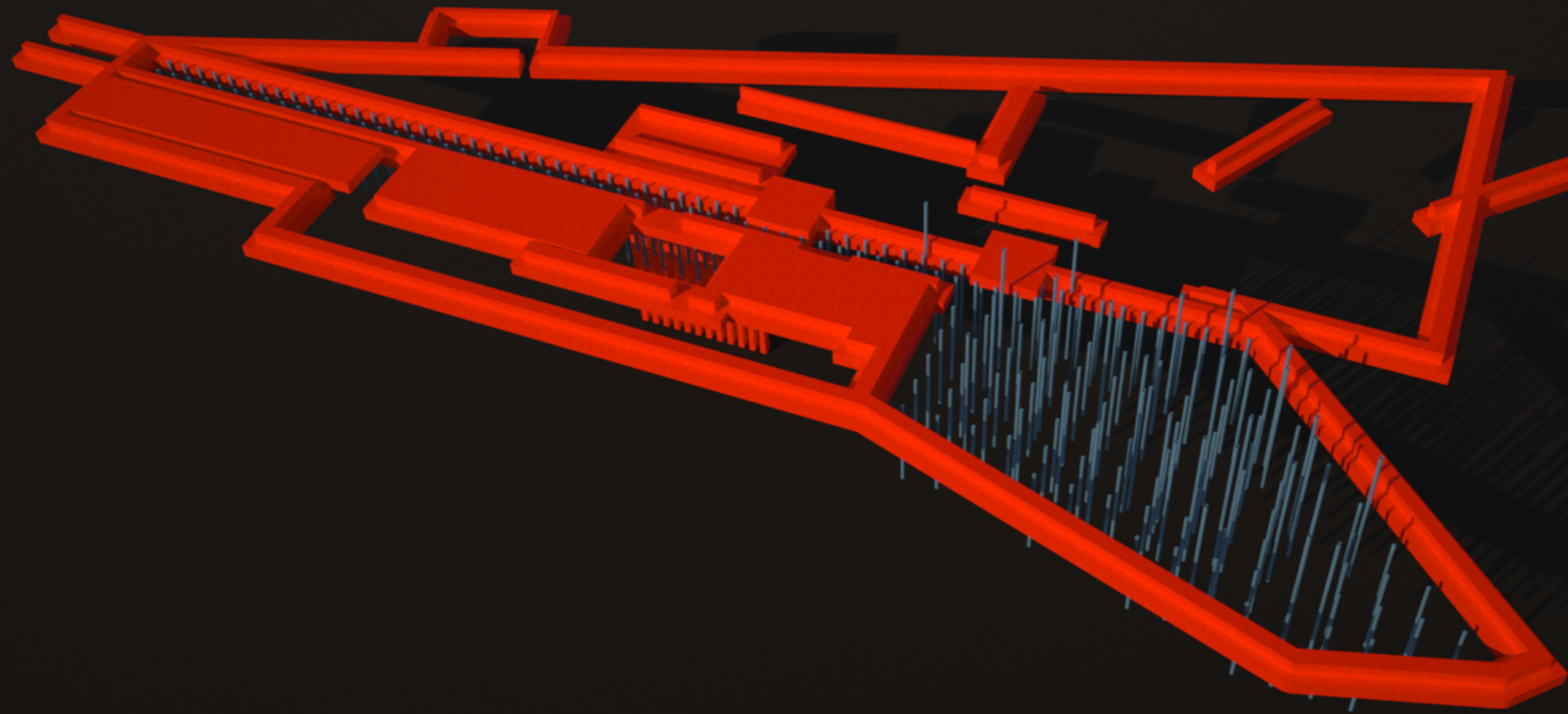


SPLIT SYSTEMS

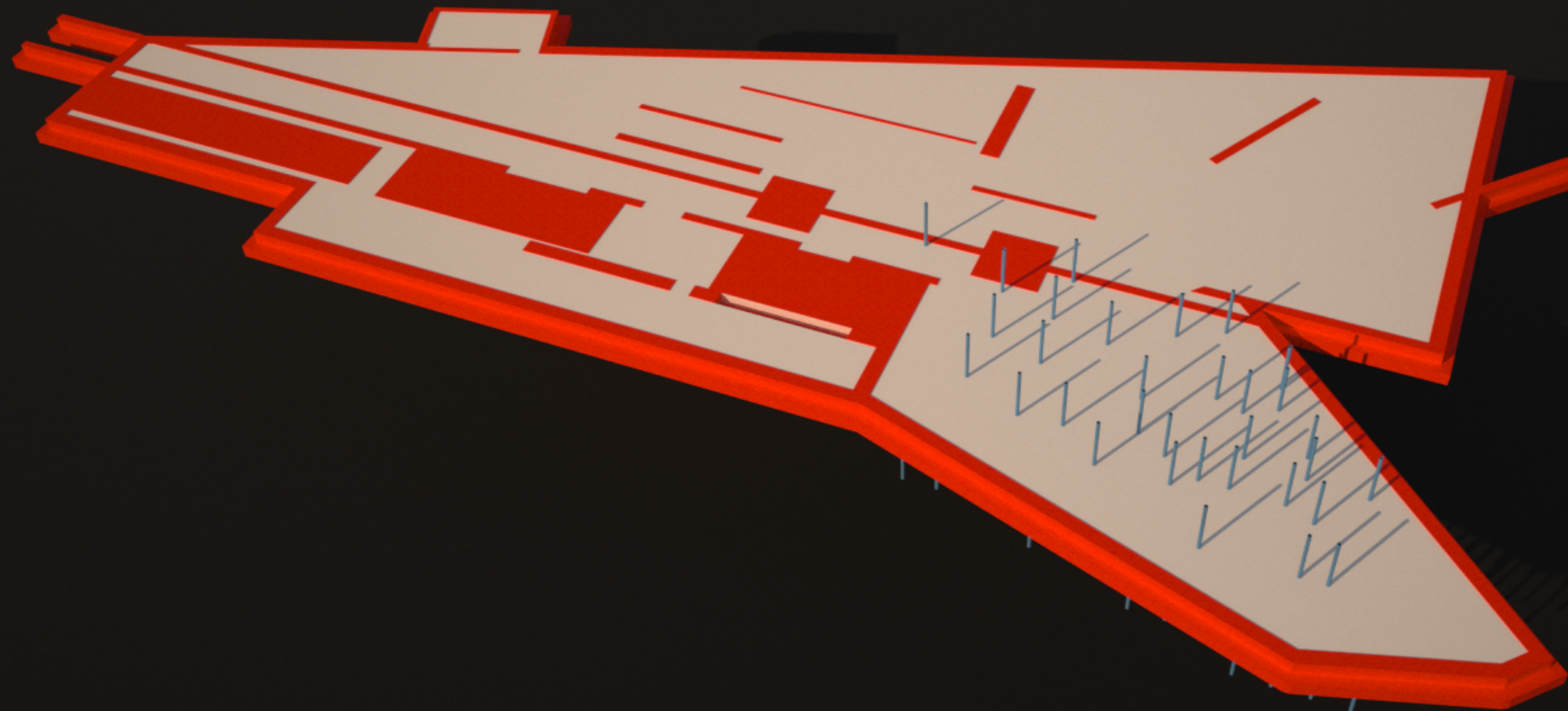




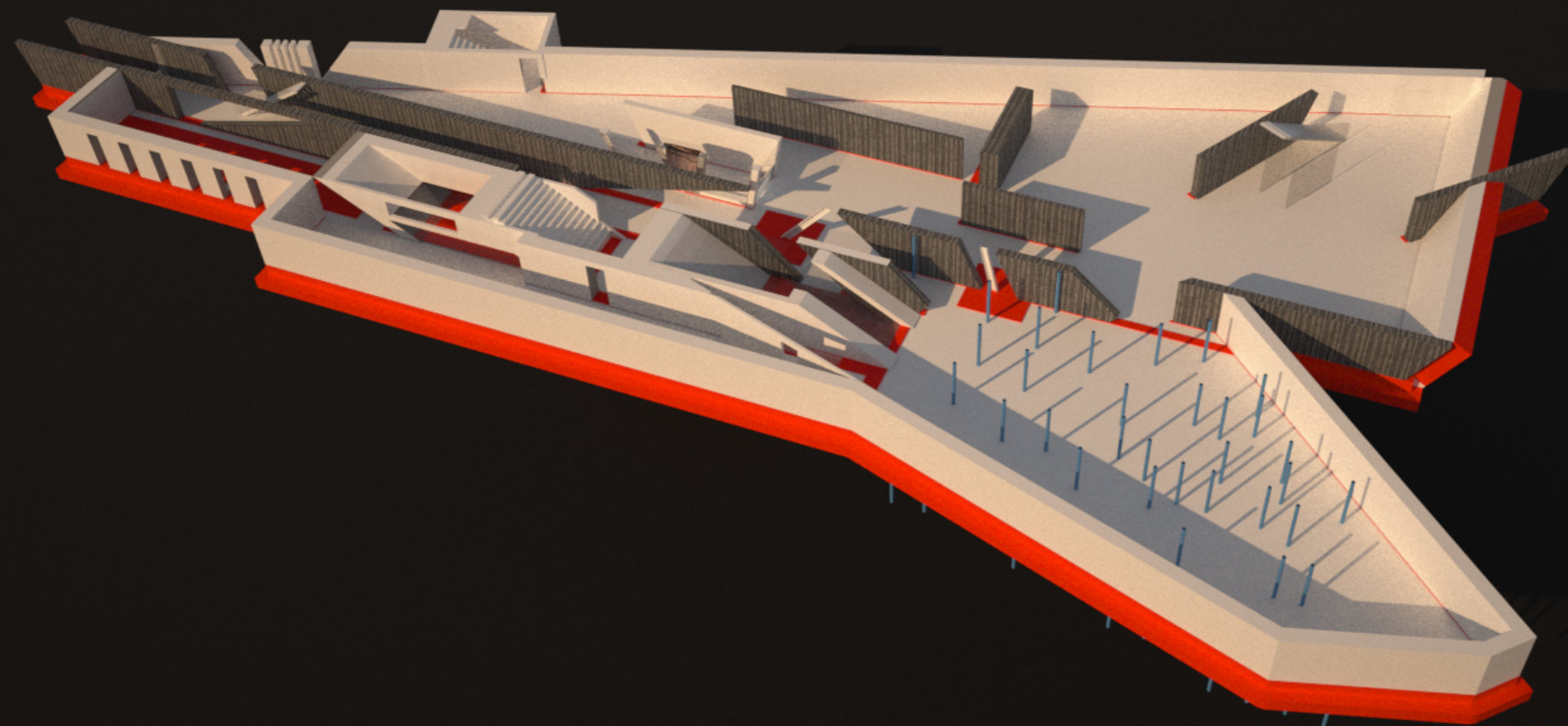
FOUNDATION



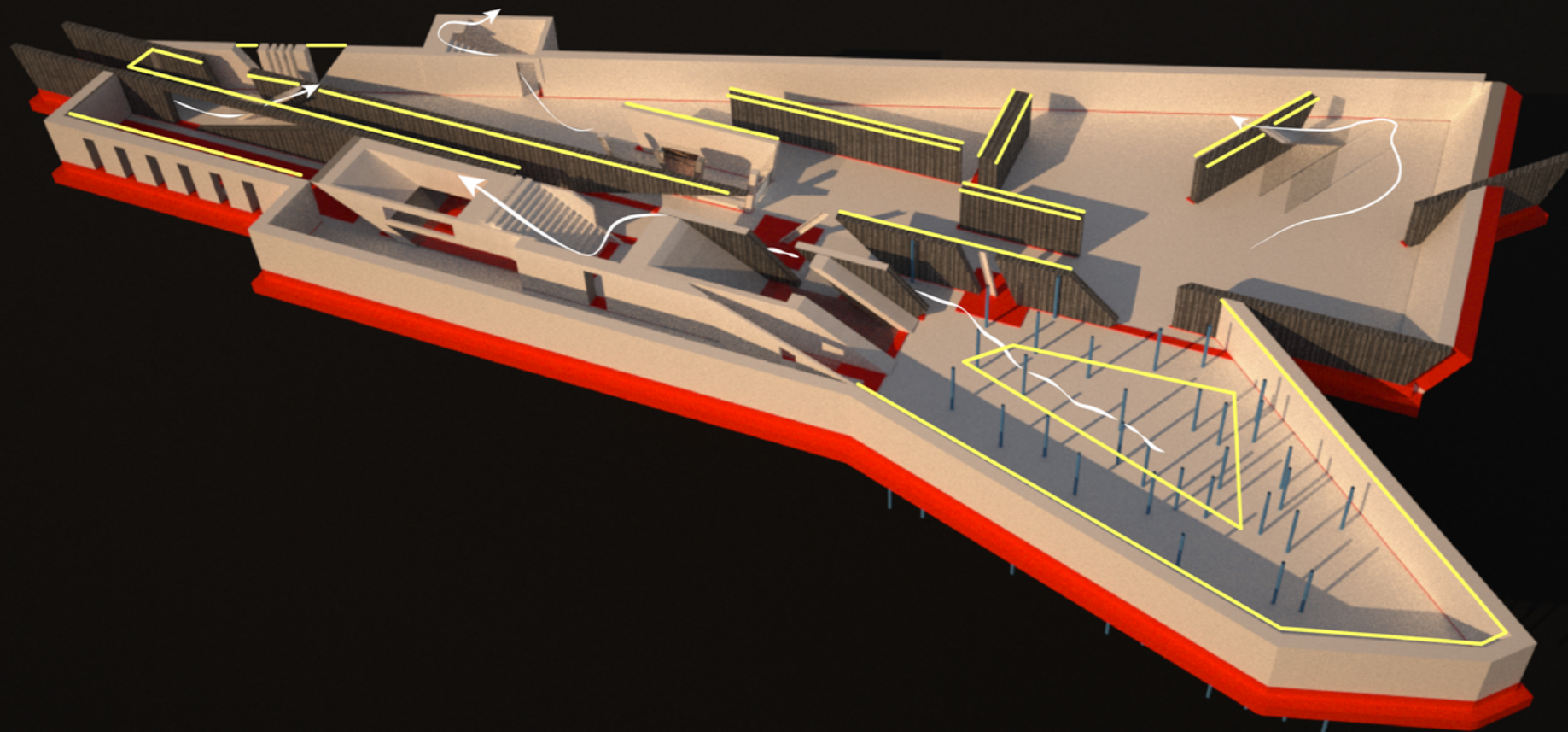
FOUNDATION + GEOTHERMAL



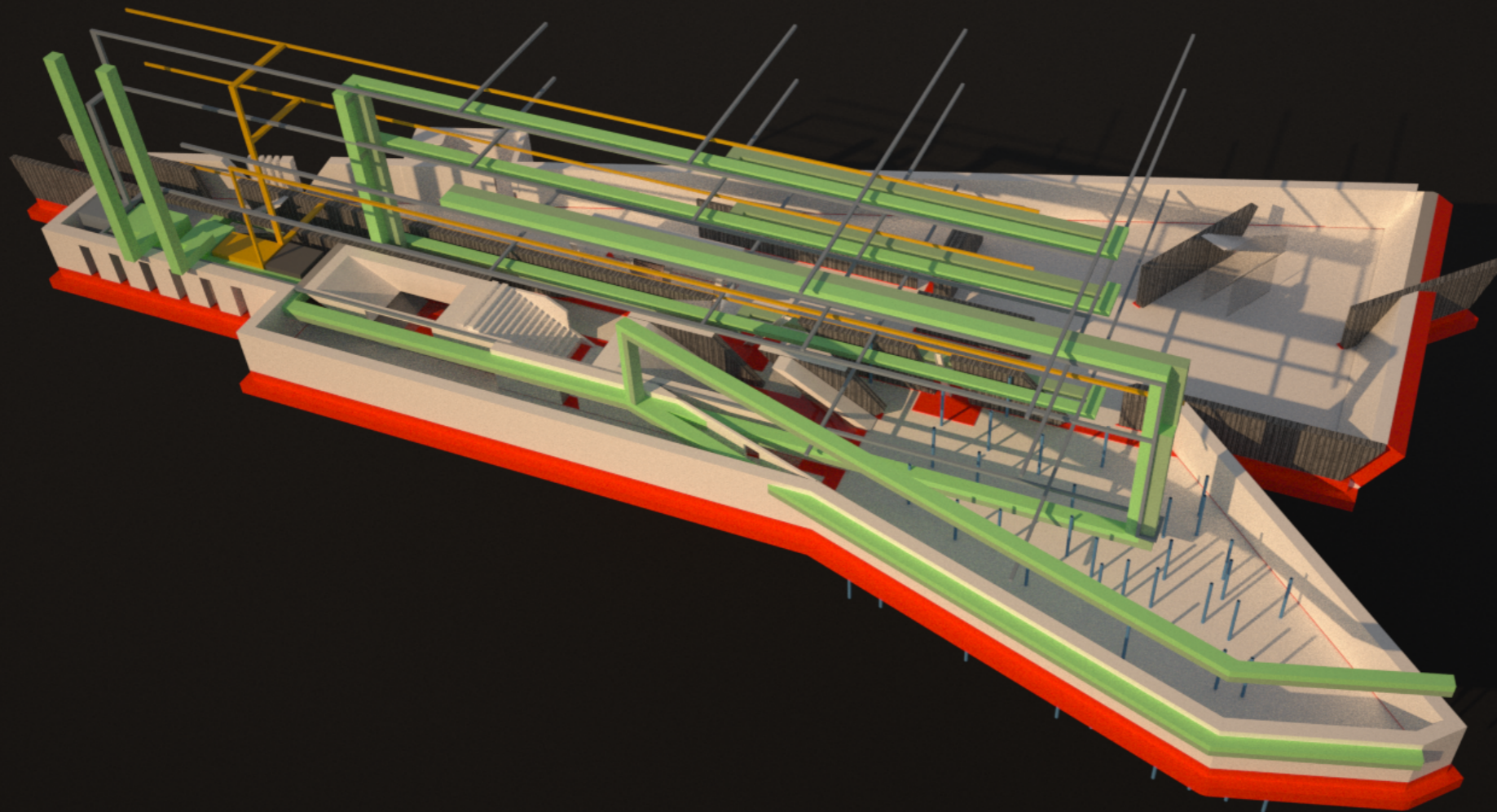
FOUNDATION + GEOTHERMAL + SLAB



FOUNDATION + GEOTHERMAL + SLAB + WALLS



FOUNDATION + GEOTHERMAL + SLAB + WALLS + EGRESS + LIGHTING

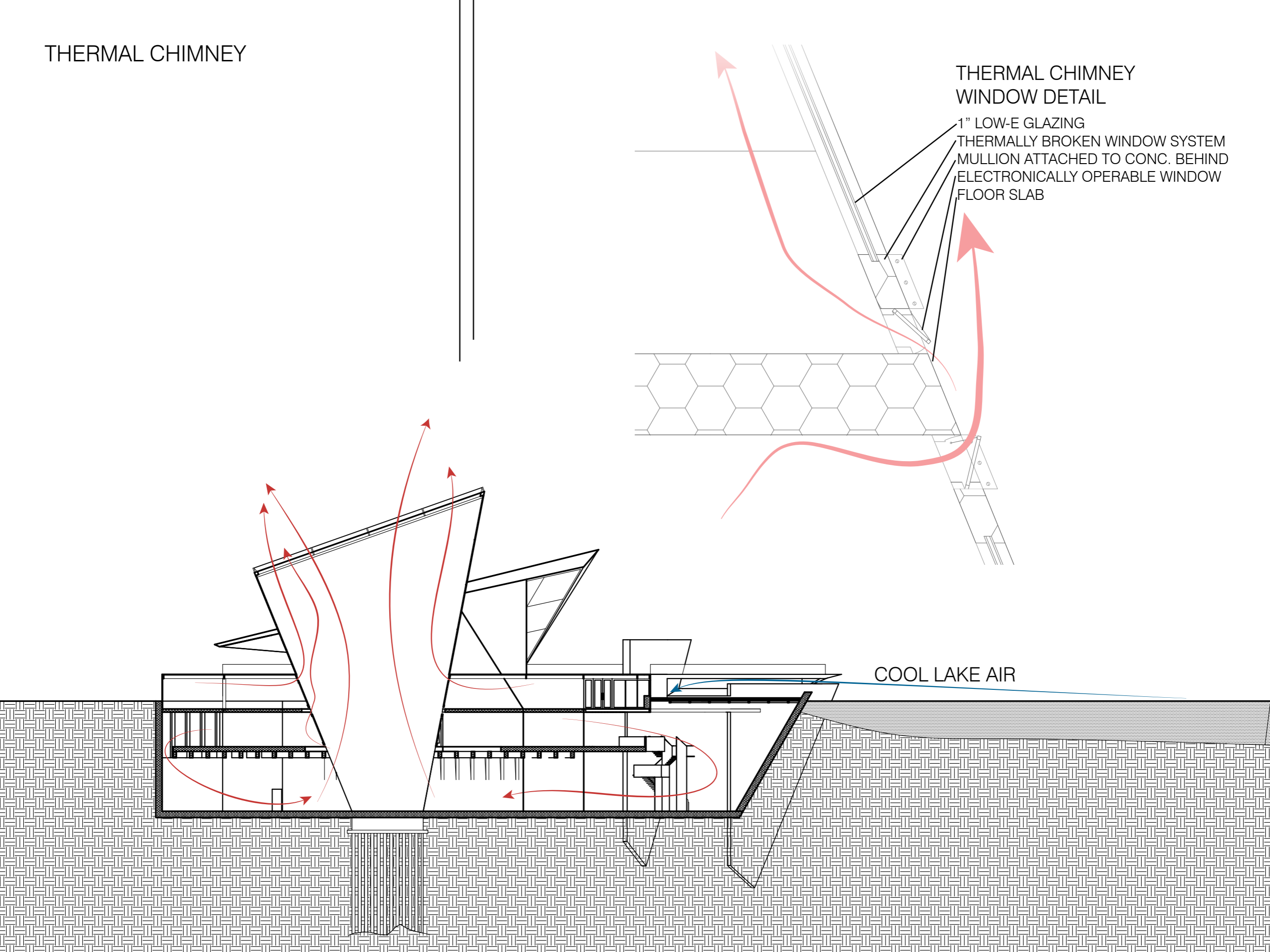


FOUNDATION + GEOTHERMAL + SLAB + WALLS + TECH

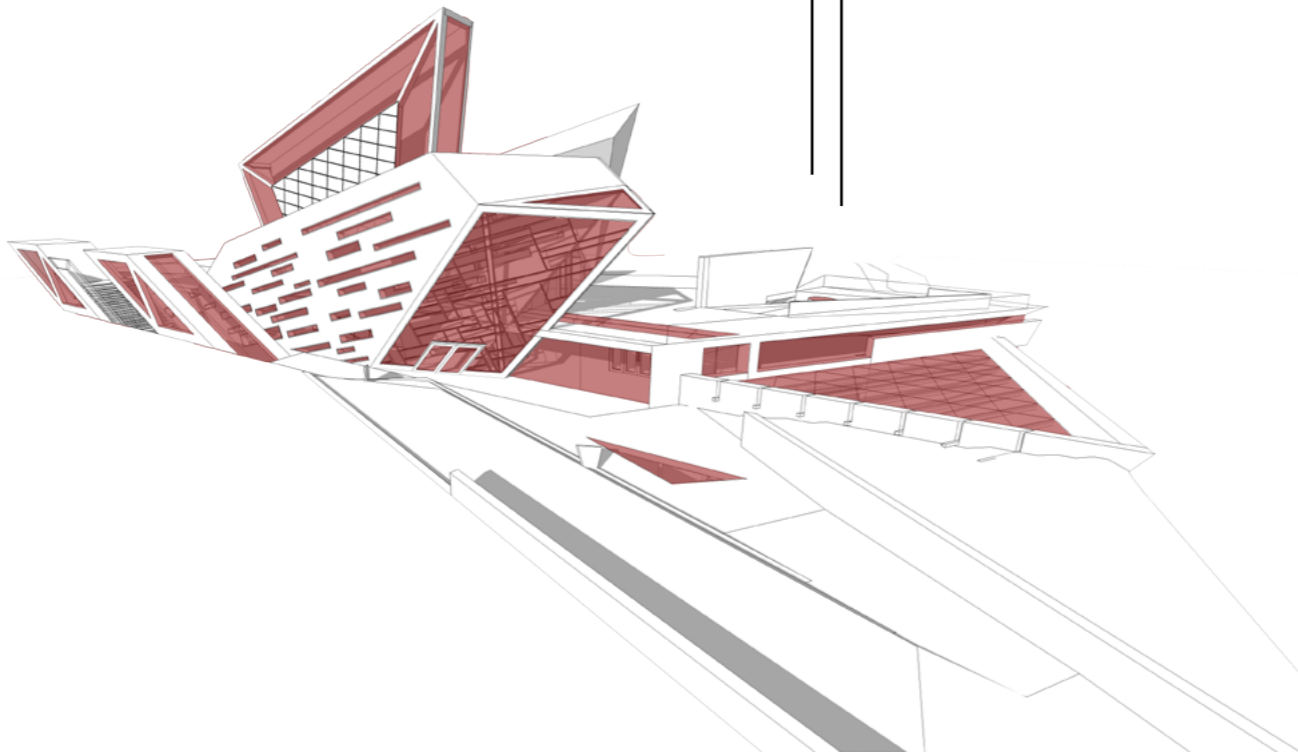
THERMAL CHIMNEY

THERMAL CHIMNEY WINDOW DETAIL

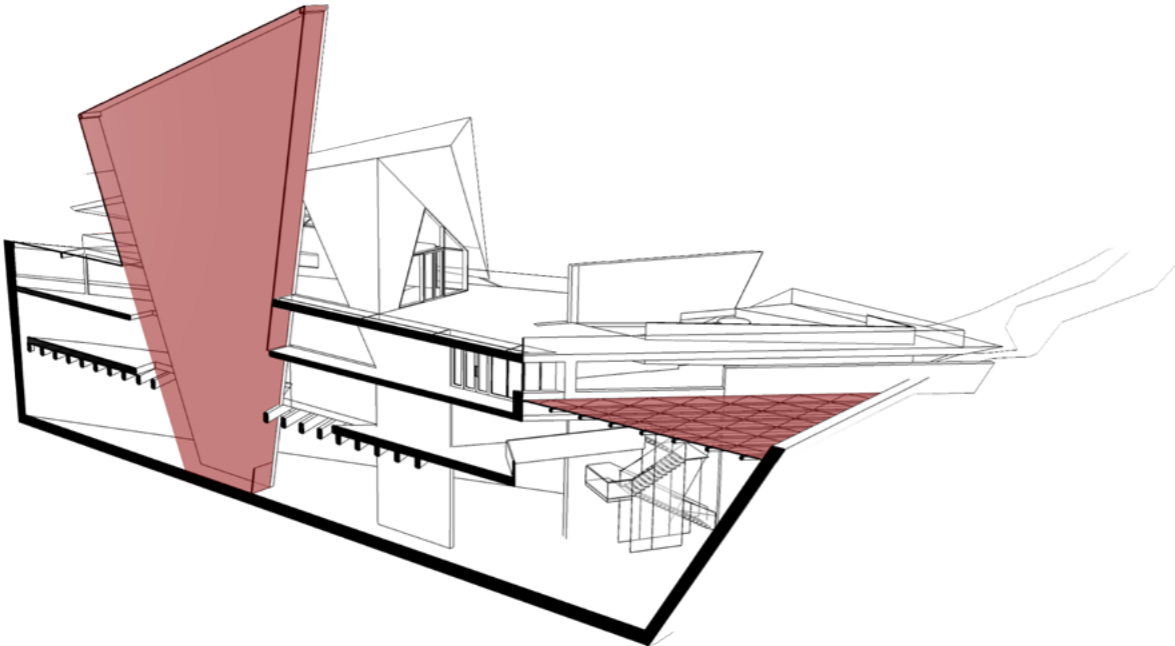
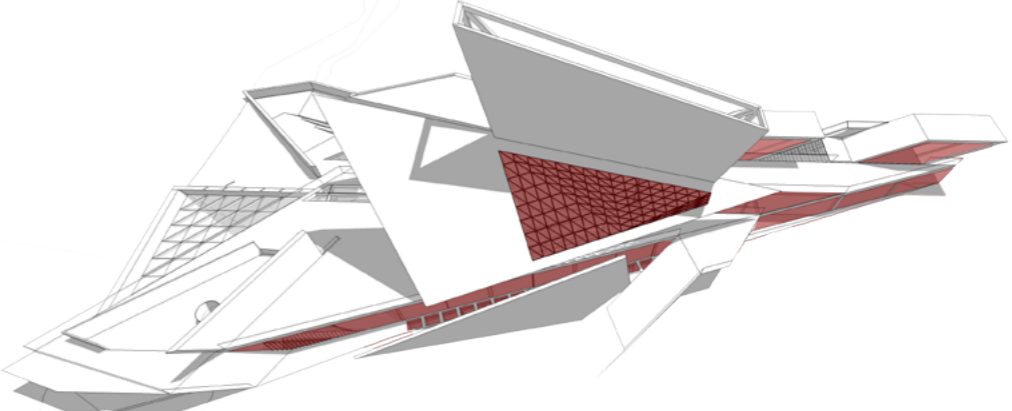
- 1" LOW-E GLAZING
- THERMALLY BROKEN WINDOW SYSTEM
- MULLION ATTACHED TO CONC. BEHIND ELECTRONICALLY OPERABLE WINDOW
- FLOOR SLAB



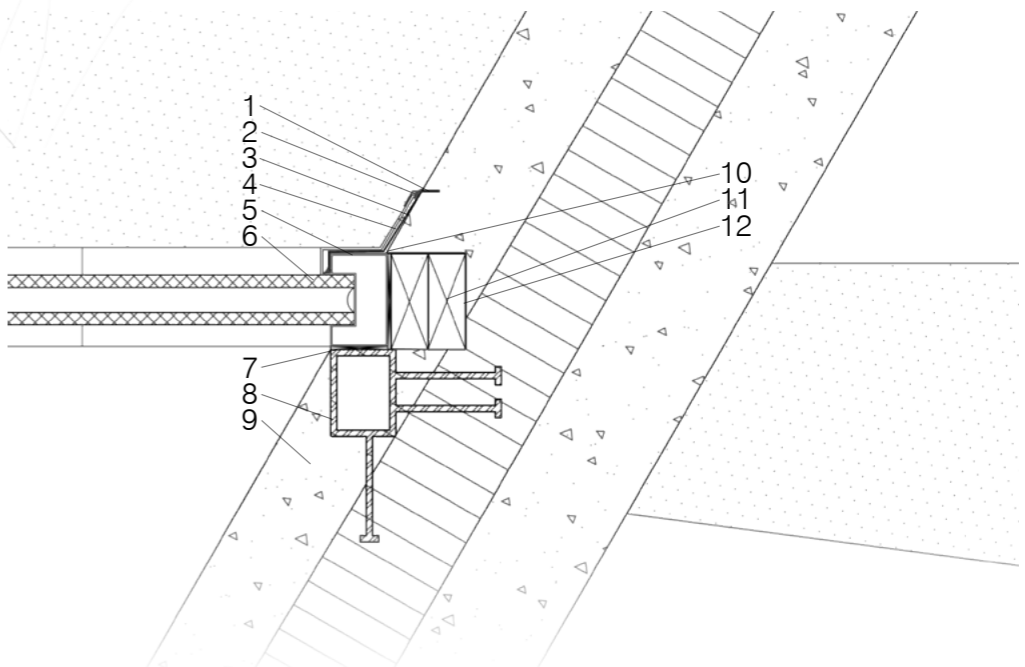
SOLAR GAIN



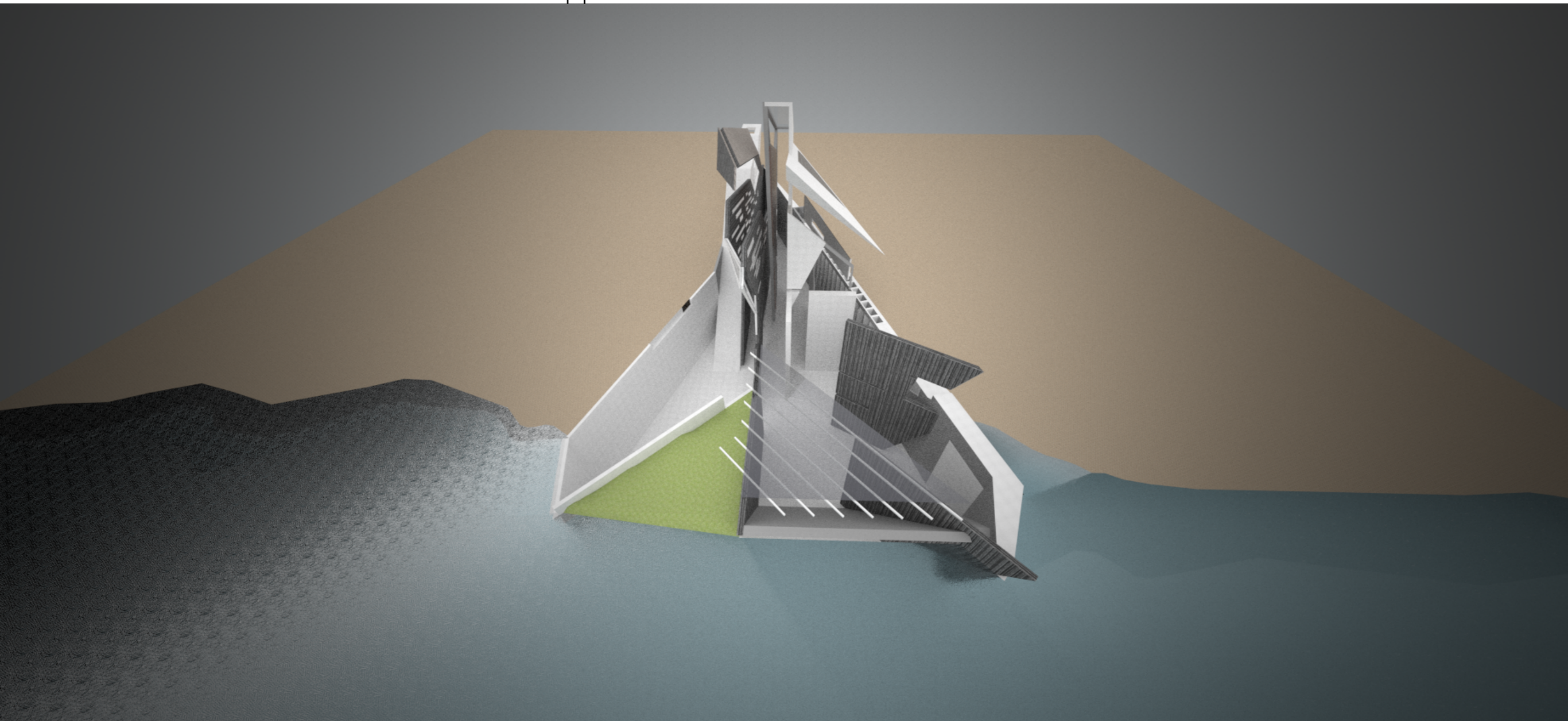
NATURAL LIGHT



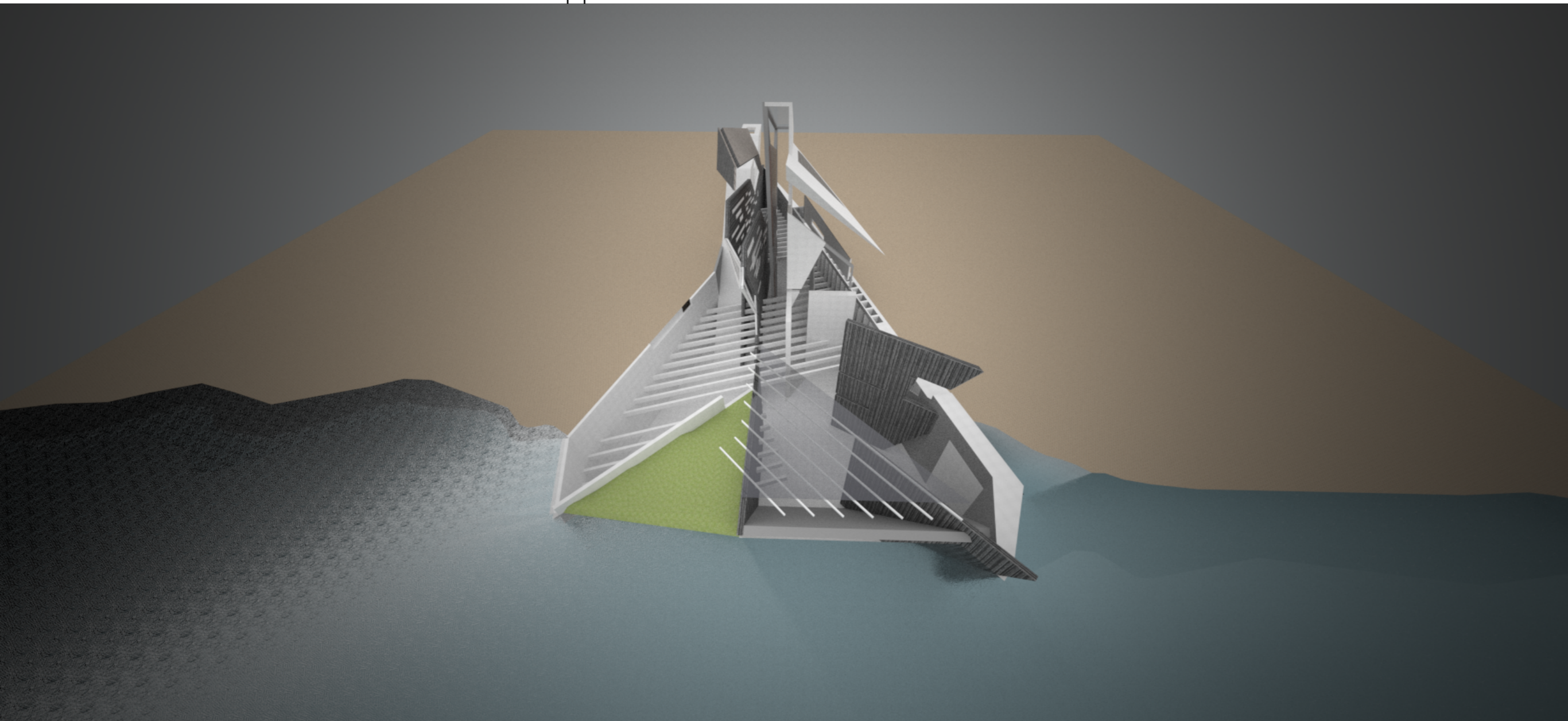
THERMAL CHIMNEY + AQUATIC THERMAL MASS



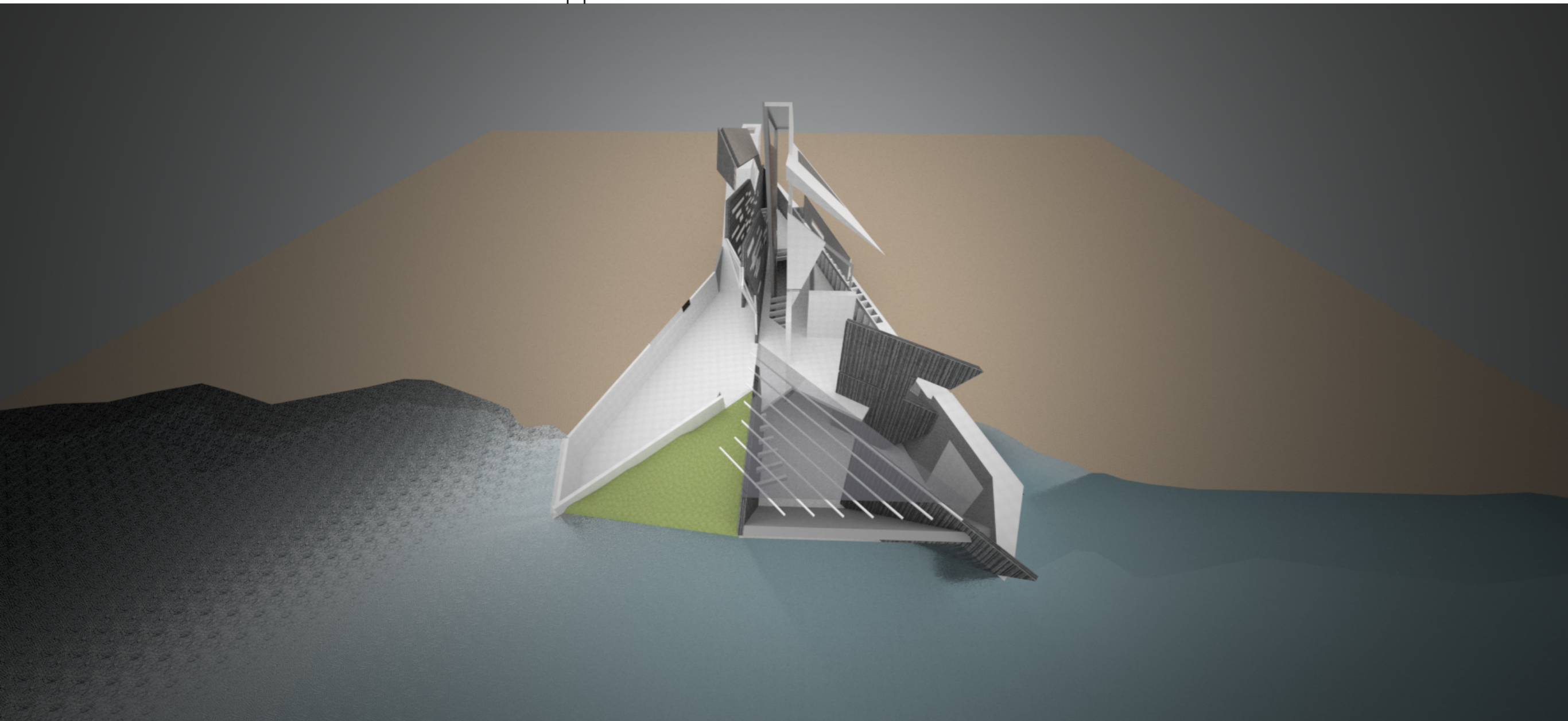
- WAVE WELL WINDOW DETAIL NTS
- 1 CUT-IN REGLET
 - 2 CONTINUOUS CAULKING
 - 3 PRE-FINISHED ALUMINUM CAP
 - 4 60 MIL EPDM RUBBER MEMBRANE
 - 5 THERMALLY BROKEN ALUMINUM WINDOW ASSEMBLY
 - 6 2" TEMPERED GLASS
 - 7 SHIM AS REQUIRED
 - 8 INSET STEEL CONNECTION
 - 9 INSULATED PRECAST PANEL
 - 10 DPNT. TYVEK FLEXWRAP/STRAIGHTFLASH AROUND MULLION
 - 11 2X BUCKING
 - 12 TYVEK WRAPS AROUND WOOD BUCKING



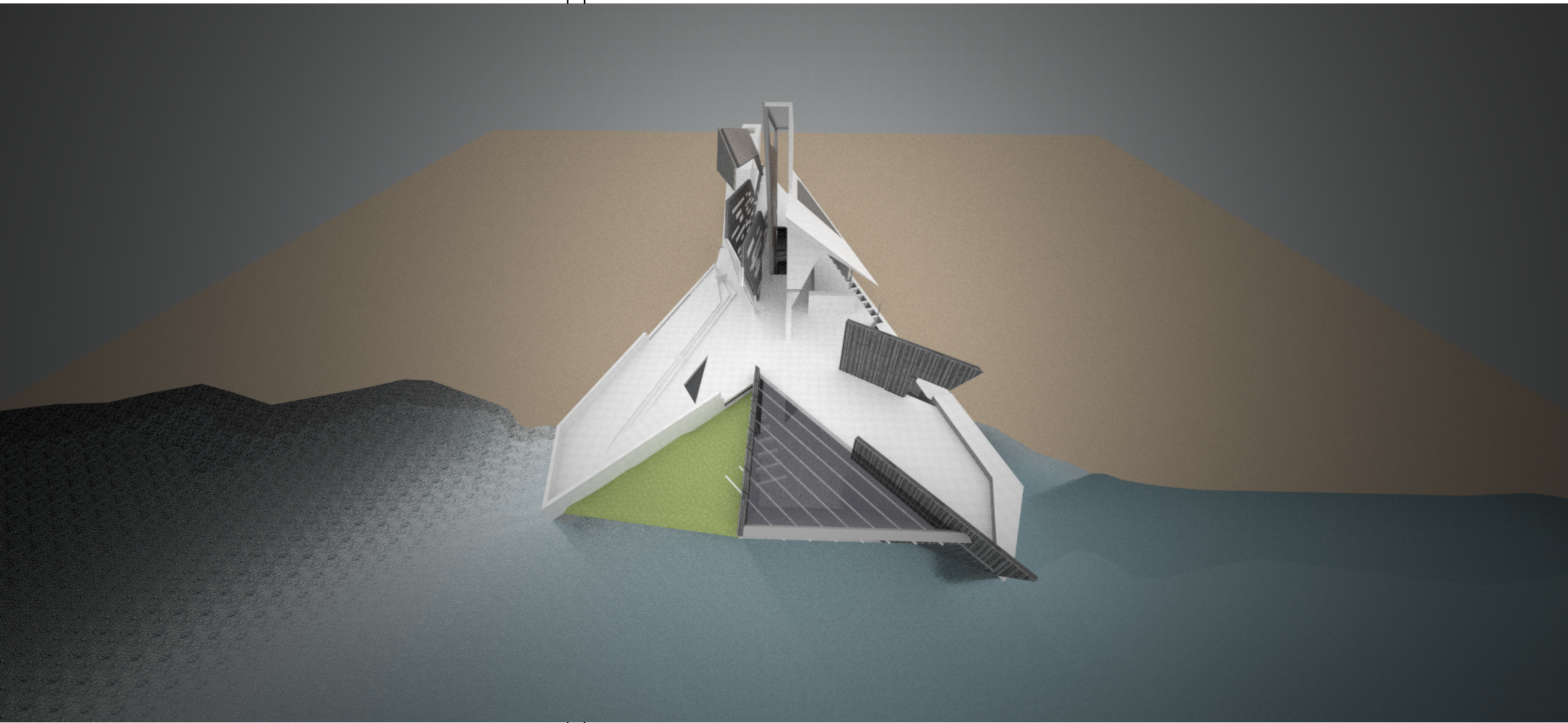
BEARING WALLS



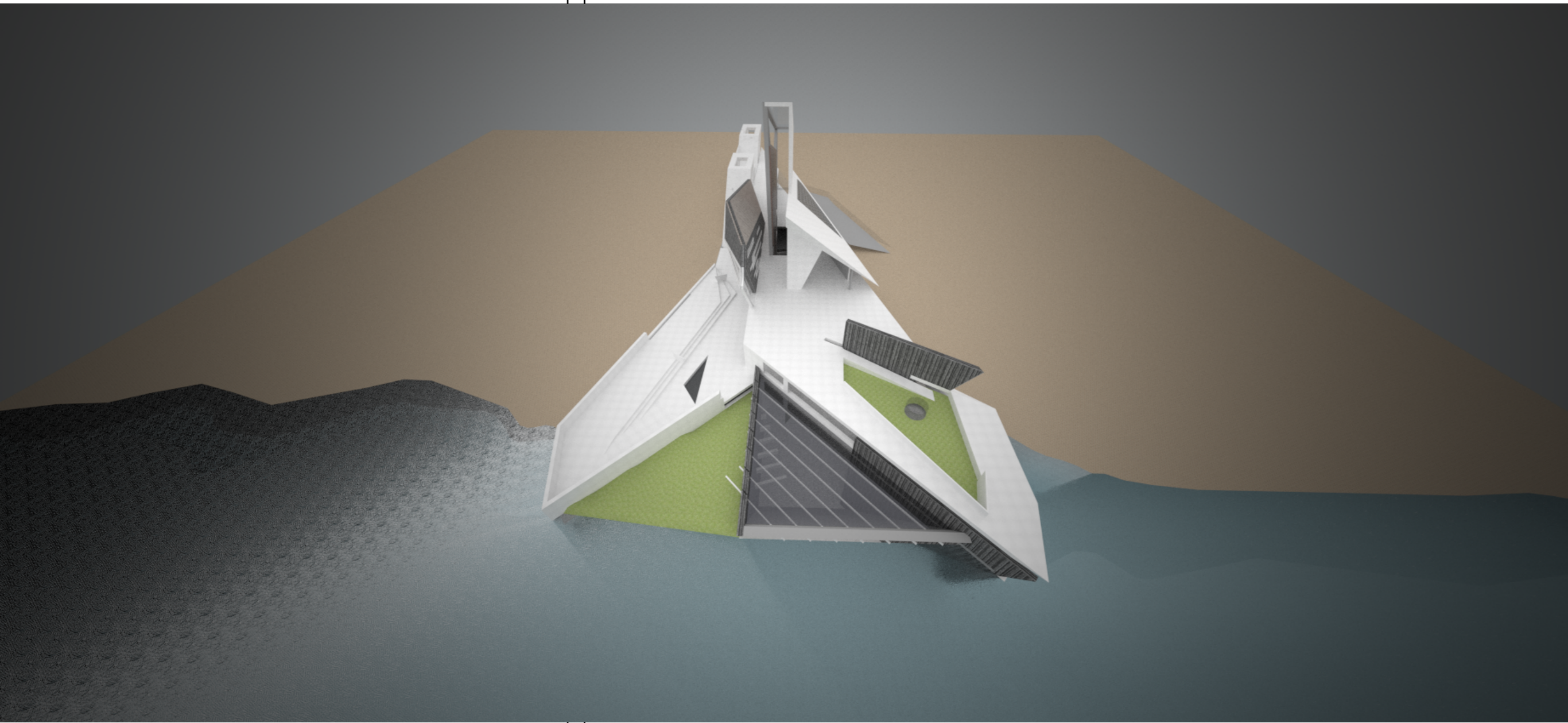
BEARING WALLS + STEEL BEAMS



BEARING WALLS + STEEL BEAMS + -1 FLOOR 1-WAY SLAB

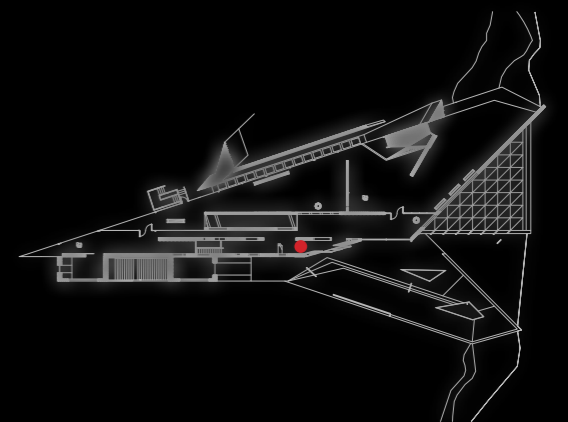
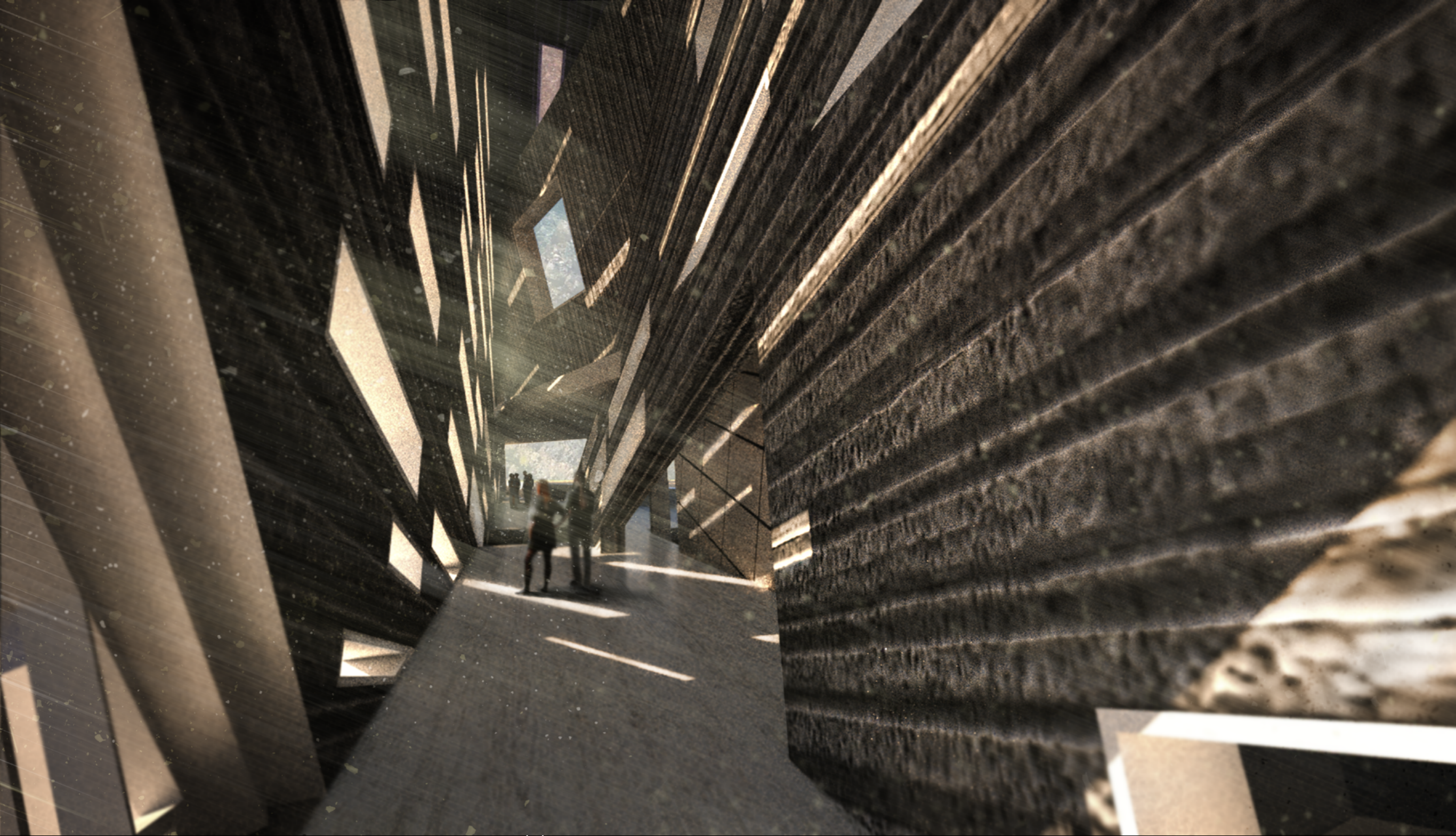


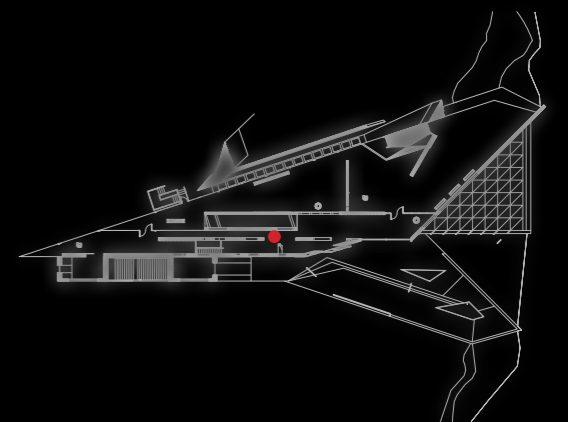
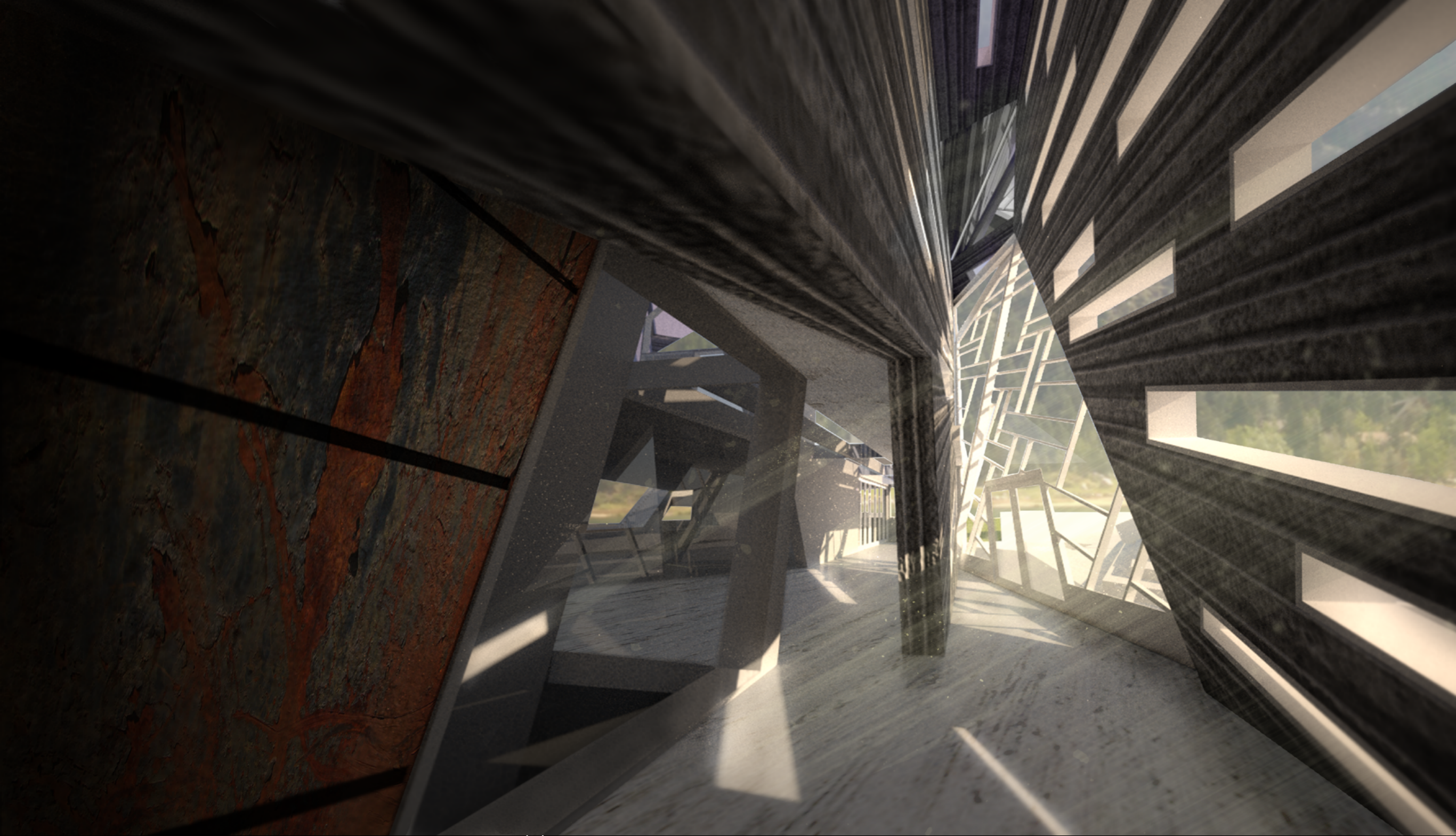
BEARING WALLS + STEEL BEAMS + -1 FLOOR 1-WAY SLAB + GROUND FLOOR 1-WAY SLAB

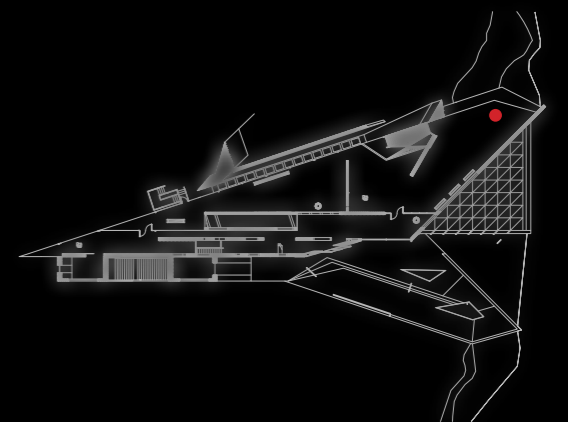
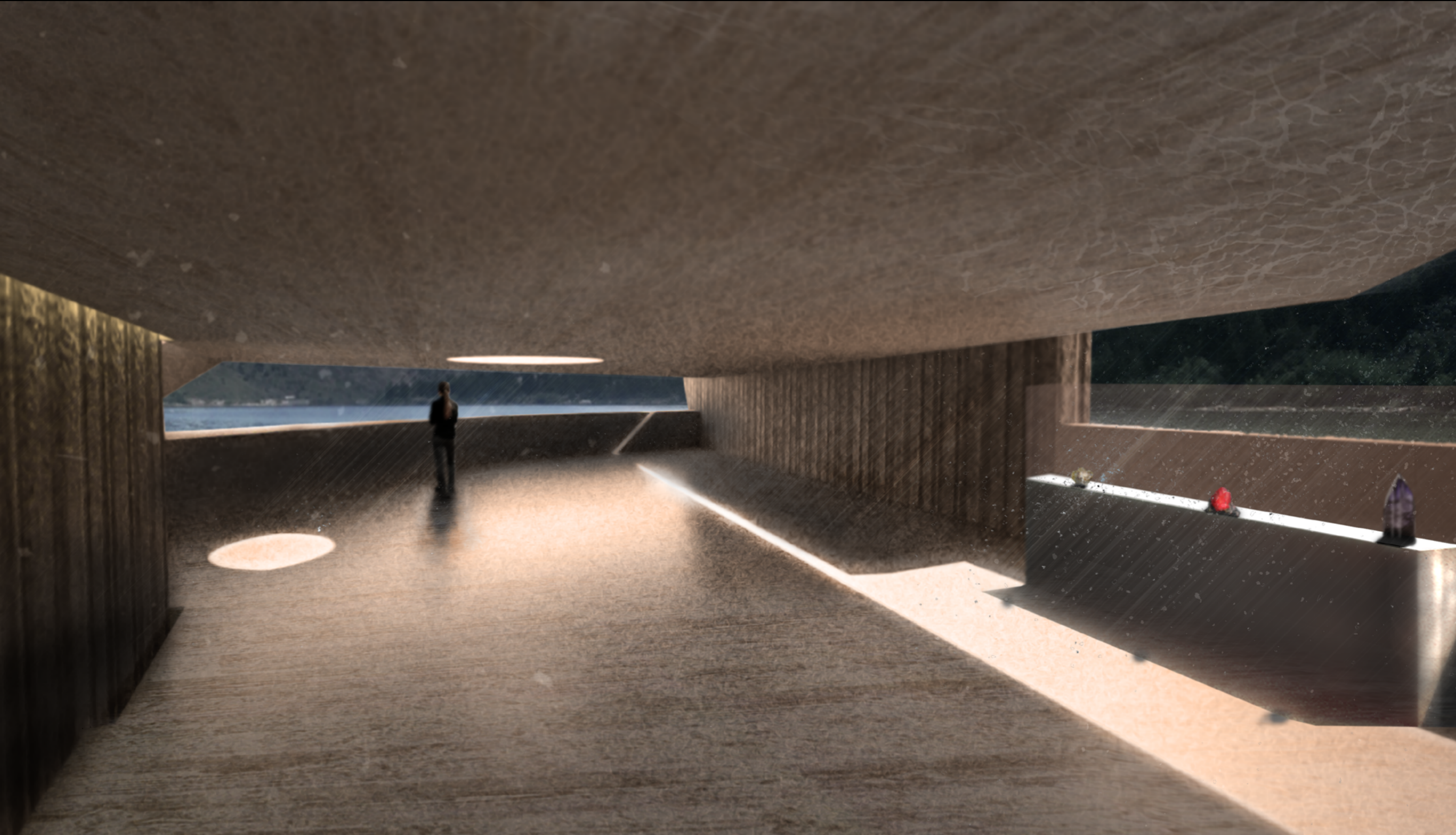


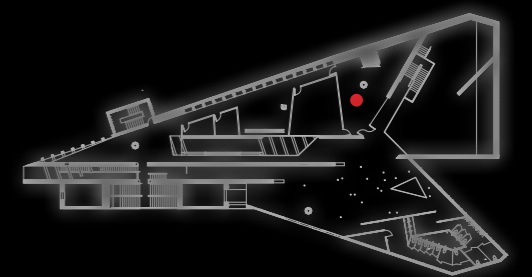
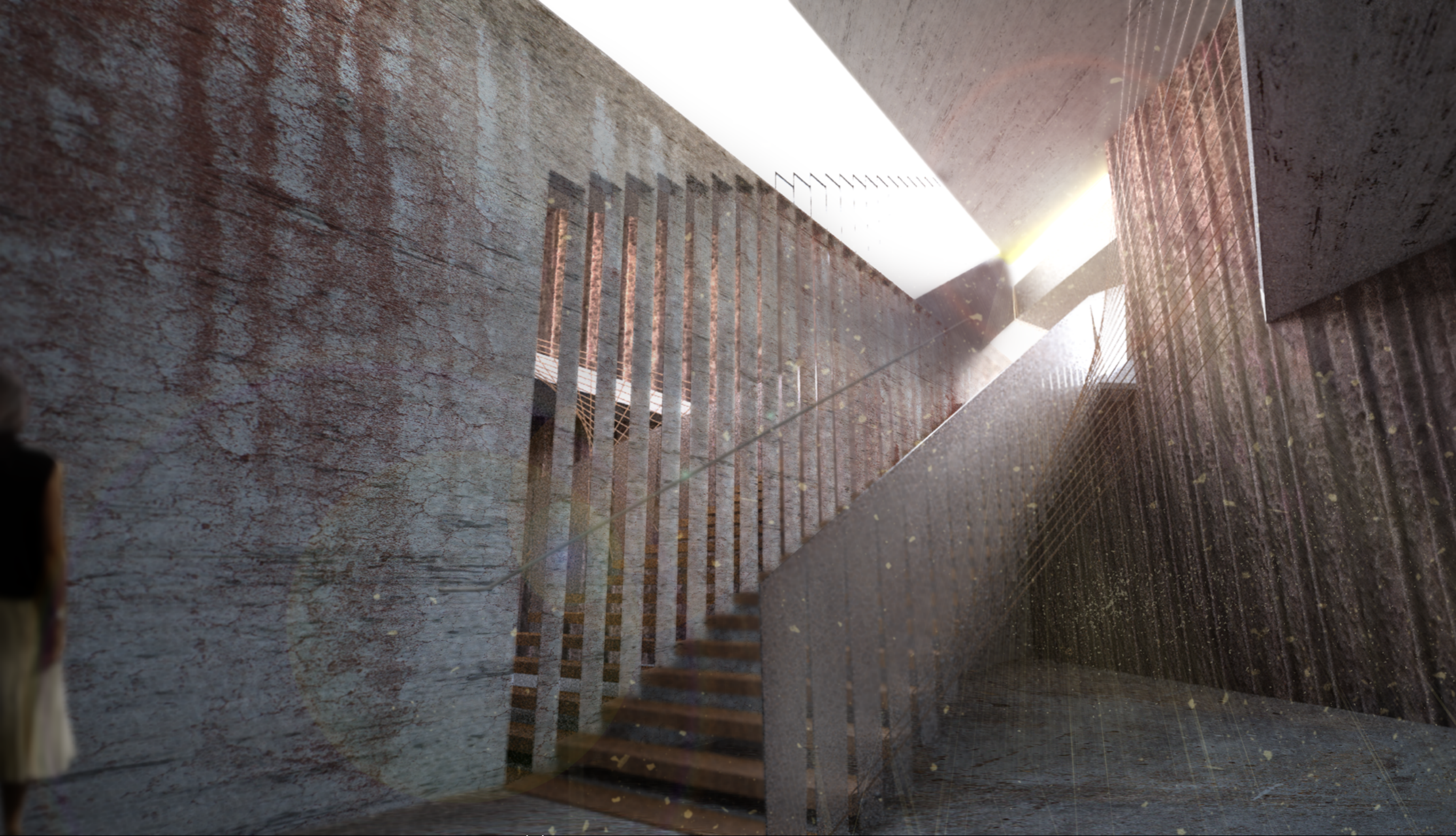
BEARING WALLS + STEEL BEAMS + -1 FLOOR 1-WAY SLAB + GROUND FLOOR 1-WAY SLAB + ROOFS

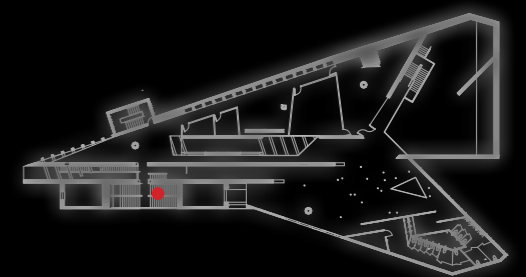


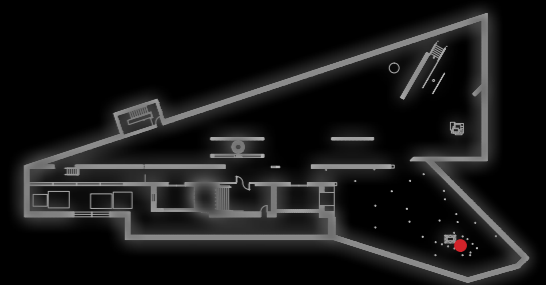
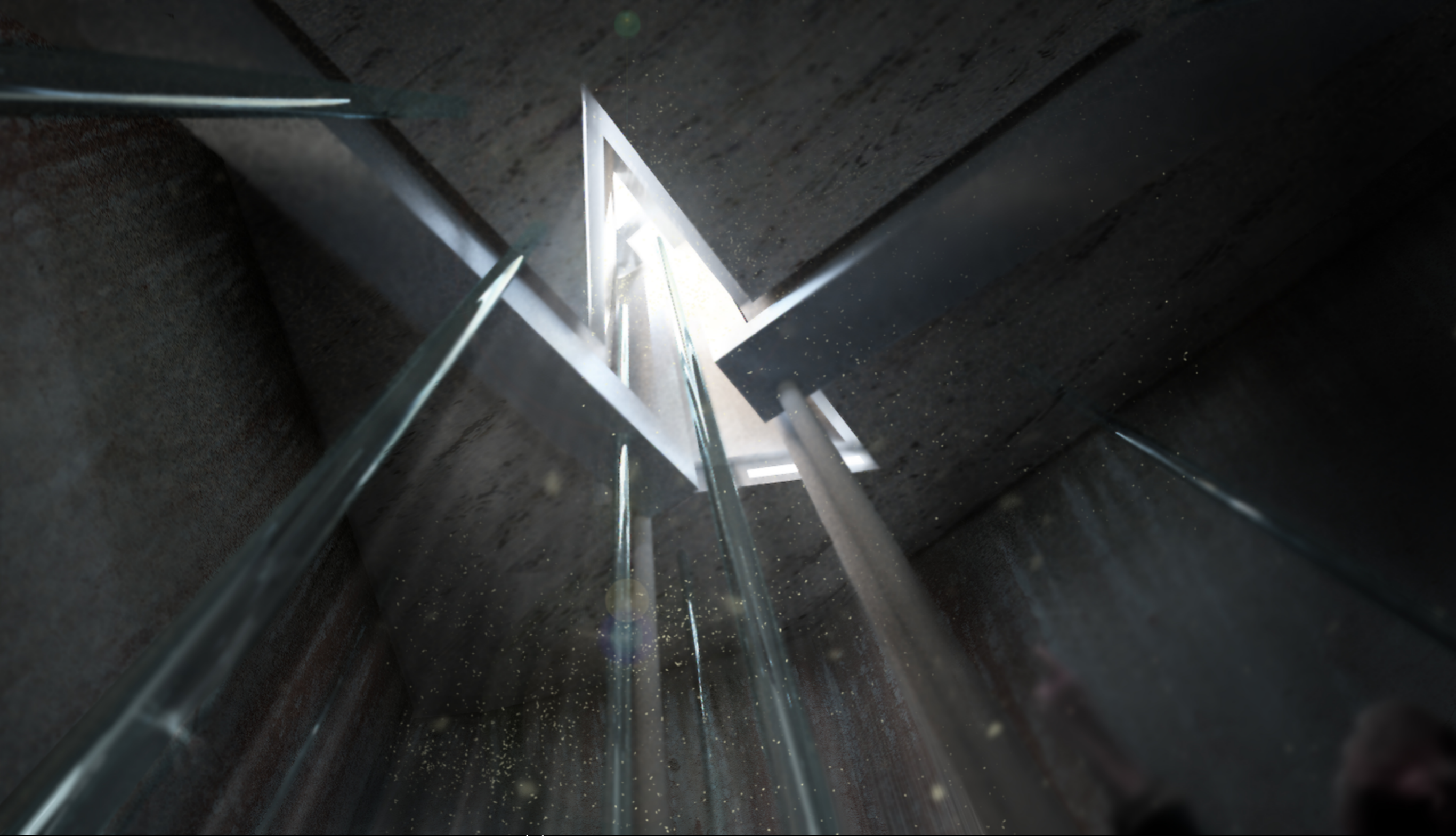


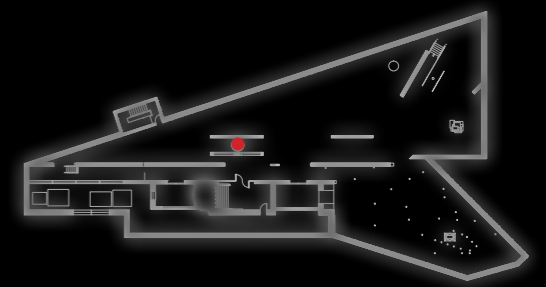
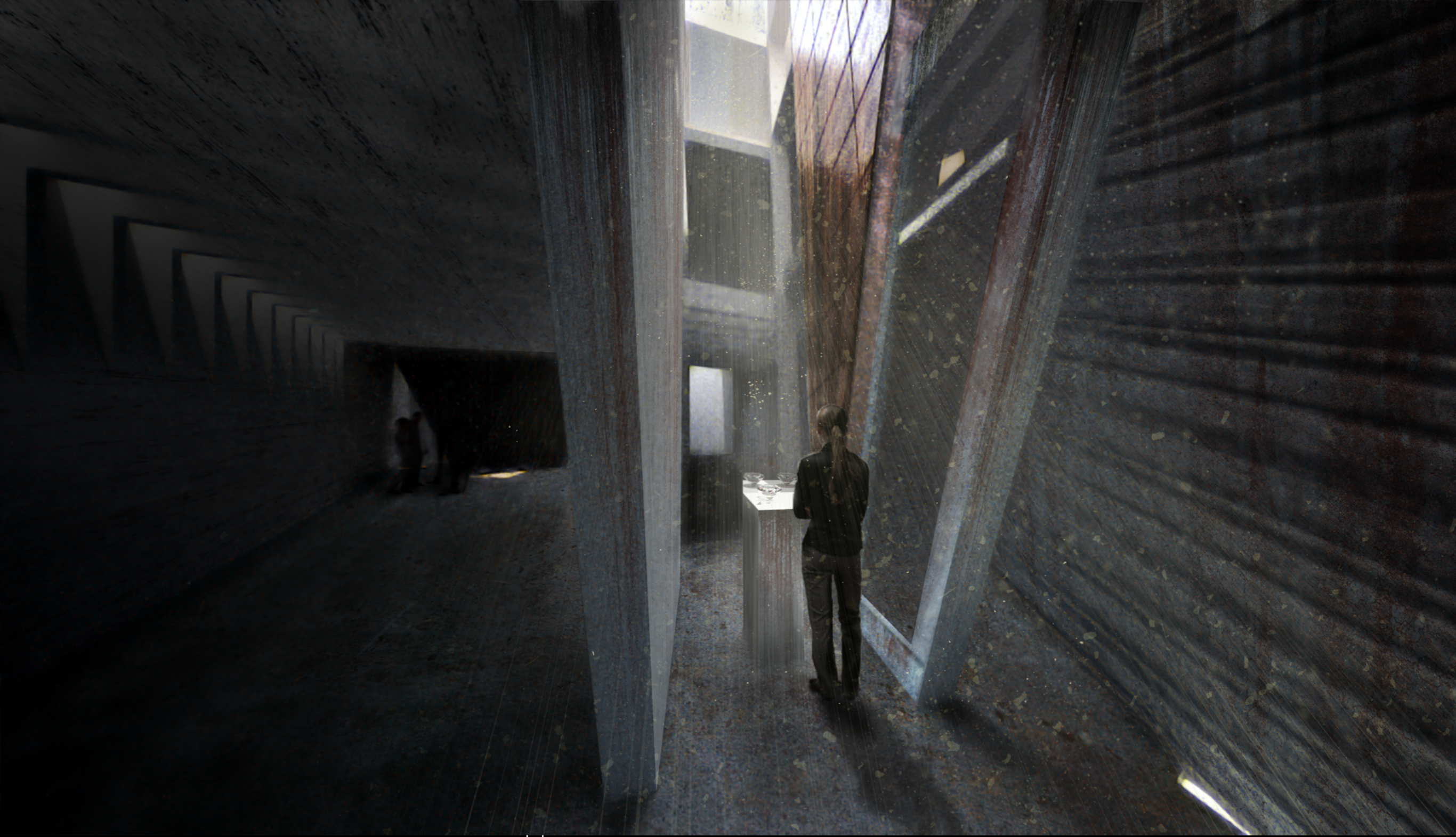


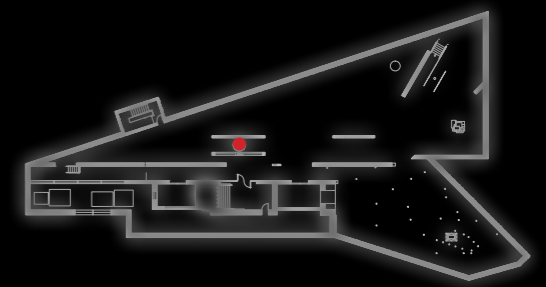
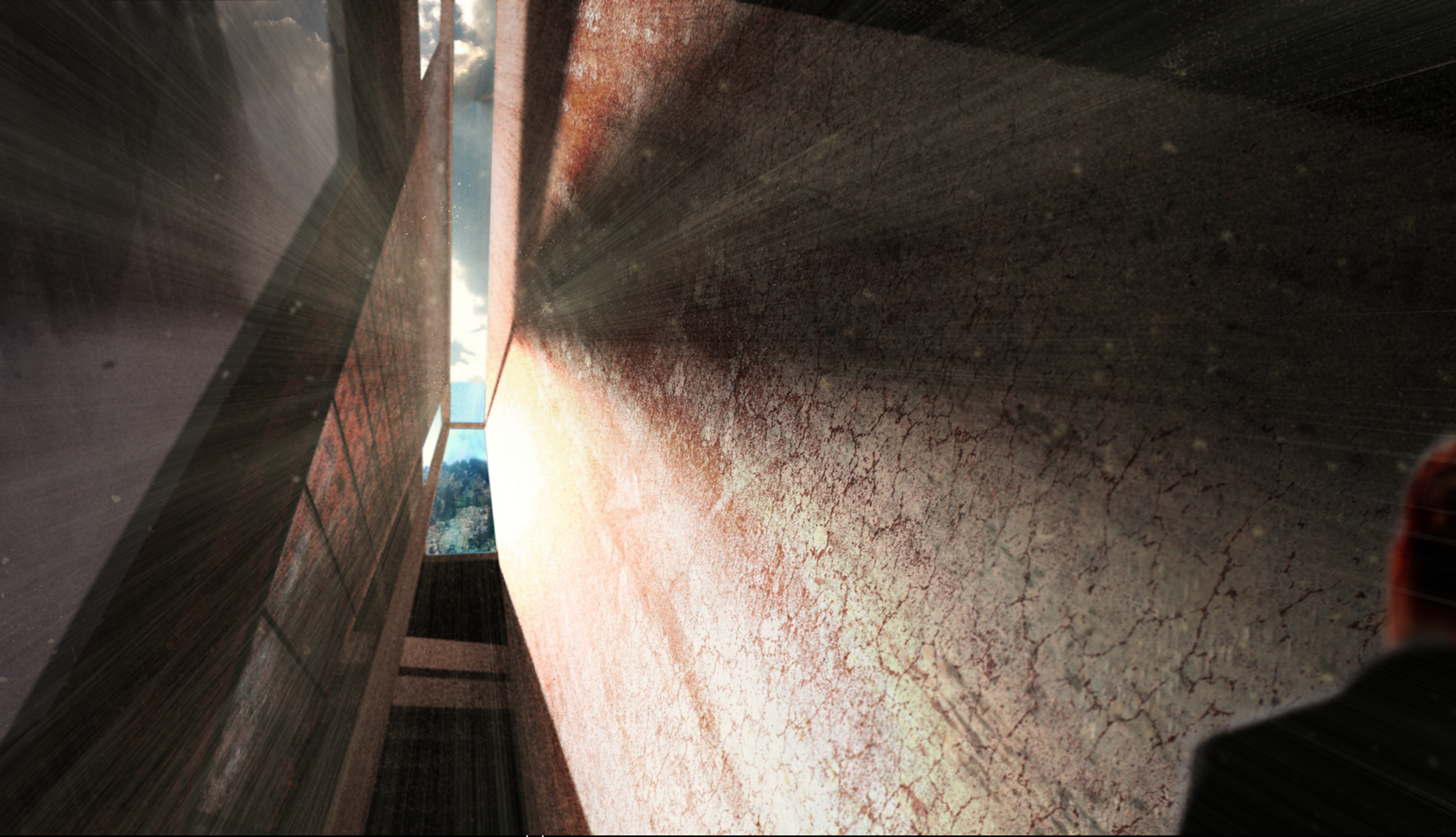


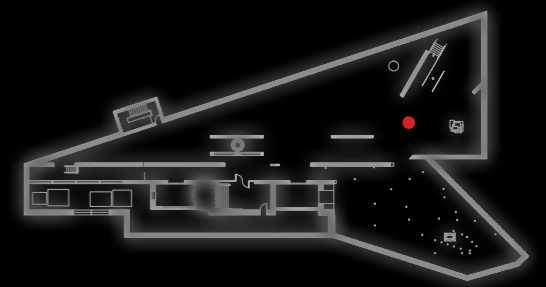
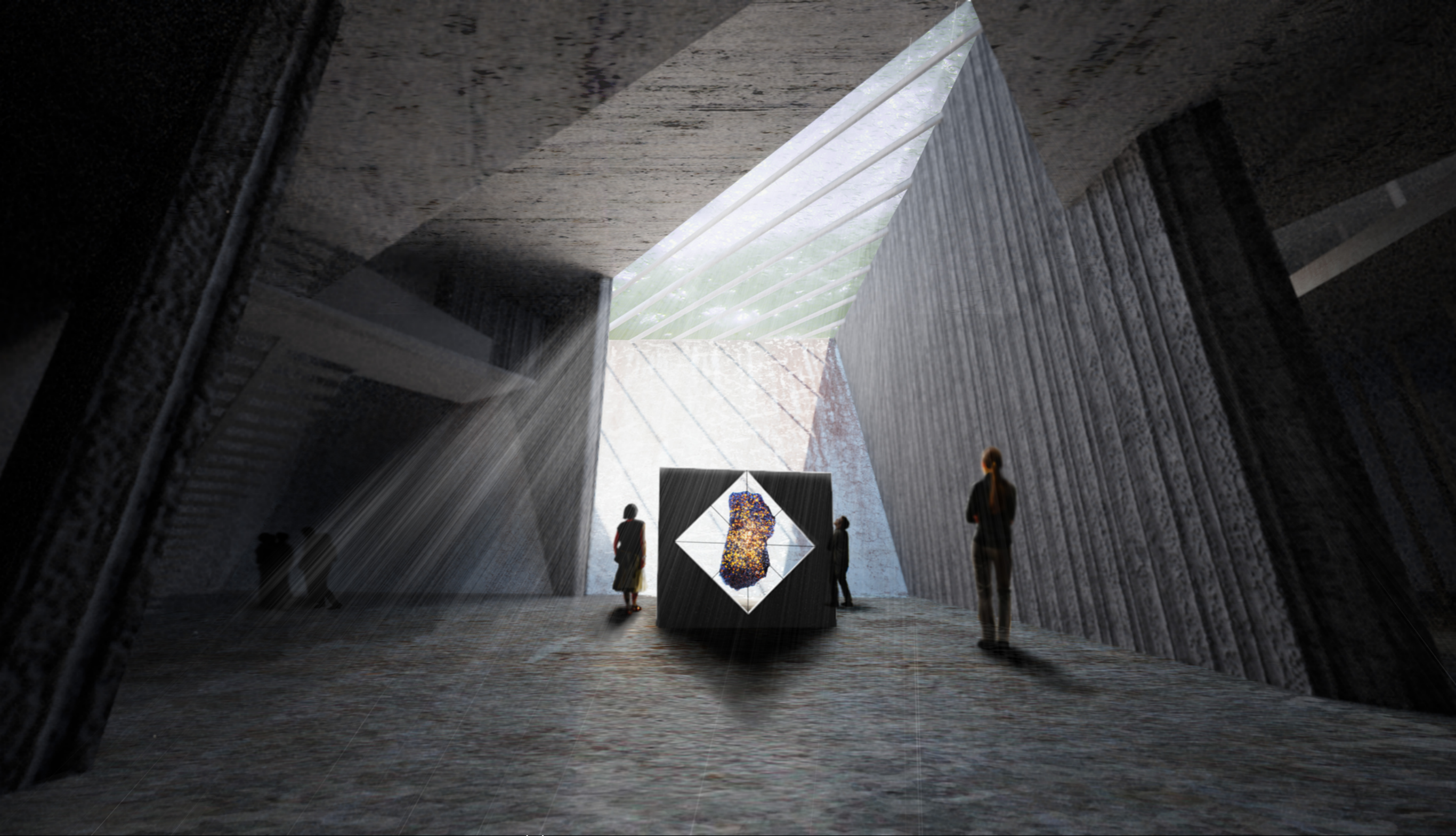

















By no means does architecture have the power to cure the disease of wasteful culture in one fell swoop.
By some simmering light, though, it does have the opportunity to make a perceptible difference
on the acting practical consciousness
of human beings.



And as Gadamer said, only through this means can we gain
true experience.

