UNCANNY ECOLOGY Brenden Bjerke

PLANI

ACKNOWLEDGMENTS

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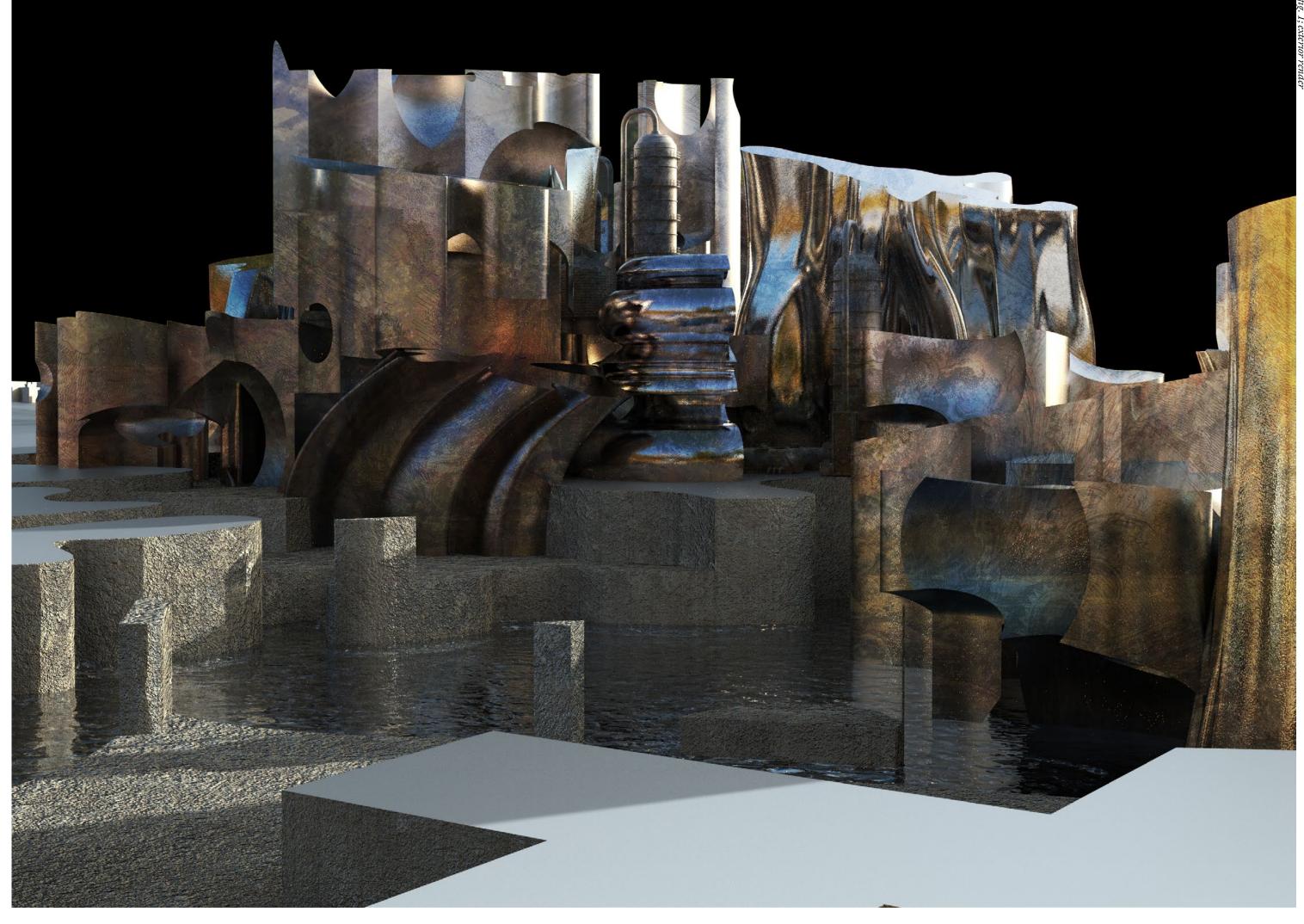
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CONTENTS

Project Statement	5
Theoretical Framework	7
Aesthetic Theory	11
Drawing Studies	18
Object Creation	19
Site	27
Machines	35
Material	41
Media	49

PROJECT STATEMENT

UNCANNY ECOLOGY denies the artificial divide between humanity and nature, and acknowledges the agency of non-human things in the design process. By scrutinizing philosophical aesthetic and precedents, the created object exists in a way that challenges anthropocentric hierarchies that privilege humans and the human made world above all other things. The resulting project can be understood as an ontological network of objects in which architecture is reinserted into an ecology that includes both the "human" and the "natural" worlds.



THEORETICAL FRAMEWORK

argues that everything exists with a gap of any physicality. This is where between its appearance and its being. philosophical realism distinguishes Any object I interact with "appears" itself from idealism. Idealism theorizes to me as a collection of sensorial a reality that exists only in the mind experiences; reflections of light, sound of the subject (always a human), waves, nerve signals relating to touch, but realism argues for a reality that etc. These phenomena pair together to exists independent of subjective create my understanding of what that experience, or outside the mind of specific object is. We often understand an individual (human) subject. In these phenomena as the reality of the a realist framework such as OOO, object, but object oriented ontology simply recreating the phenomena of (OOO) argues that the reality of an the rock in my mind does not mean object is more complex than simply that the rock really exists. There is how it "appears" to other things. A something more to the reality of the rock may appear to me as a specific rock beyond what can be accessed by set of sensory phenomena, but if the a human subject (or any subject). This reality of that rock is only defined by is what Morton means when he talks those phenomena, then the rock can't about the gap between appearing and be thought of to exist "in itself," but being. If appearing is the reality of an rather only as a collection of subjective object that can be accessed by another experiences. If you were to remove the object through interactions, "being" physical rock, but somehow recreate is the reality of the object that can't be the phenomena in my mind, then the accessed in this way. In simpler terms,

In *Dark Ecology*, Tim Morton rock would "exist" even in the absence

there is something about each object architecture exists in the same

begin to scrutinize how we as humans relate to the objects around us in new borrows the idea of the uncanny valley ways. This has obvious implications from robotics. In this idea, as a robot for our relationship with the idea becomes more and more human-like, of nature. The preference toward it enters a space of resemblance that we idealism, among other things, has can't quite categorize as human. This allowed humans to artificially elevate denial of categorization triggers the ourselves conceptually above the uncanny unease that comes from our nonhuman things around us. This fear of the non-human invading the idea, known as anthropocentrism, has human world. In Morton's discussion warped our understanding of what of ecology, this same uncanny feeling nature is and our place in an ecology, is triggered when we struggle to conceptually removing humans from categorize something as distinctly the natural ecology that surrounds us, human or distinctly natural. This is inadvertently creating an oppositional because it threatens our subjective relationship between the "natural reality in which nature, as the other, world" and the "human world." As infringes on "our" world. an extensions of the "human world,"

that remains hidden when objects oppositional relationship with interact with each other, and these nature, framing the construction of hidden qualities are as real as any architecture as the destruction of part of the object that appears. nature; "less architecture therefore Within this framework we can yields better ecology" (Gage 100).

To illustrate this point, Morton

The categorization of humans as

distinctly separate from (and elevated as human or natural objects, above) non-human things in the acknowledging the agency of non-Anthropocene has played a critical human things in the creation of role in the climate crises caused by an architectural object, and giving anthropogenic climate change. This aesthetic attention to objects and has made it clear that this conception ecological interactions previously of reality is no longer appropriate seen as unworthy of it, we can begin to for us today. We can no longer think imagine an ecology in which humans of nature simply as "that stuff out are not removed from but deeply there." Contemporary notions of integrated into the ecology around us, sustainability, while important to equal actors among many. slow the addition of harmful actions, continue to operate within the same understanding of reality which has enabled the current crises to exist. It is likely that long lasting relief from these dangers will require a new understanding of how we think about our place in the world.

Uncanny Ecology aims to imagine a new relationship between humans and nature, using architecture as the driver. By developing aesthetic approaches that deny categorization

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AESTHETIC THEORY

example of picturesque aesthetics, curated and controlled idealization of presents an image of an idealized nature, alienating us further from nature in which limited human the idyllic wilderness that we think intervention allows for a pristine nature represents. image of a relatively untouched and pure landscape, nature at its best. But this idealized image does not represent a replication of an existing pristine landscape, but is instead an imagined one in which the artist has created a fantasy of what they believe a beautiful landscape could (or perhaps should) look like. Picturesque representations of nature, such as Constable's Hay-wain, show an idealized version of nature that has been imagined and curated to elicit an emotional response for a human subject. Rather than depicting nature as it is, it is altered solely to make it more appealing to a human subject. When we scrutinize our interactions with nature, we find that most of the

Constable's Hay-wain, a classic we are interacting with this kind of



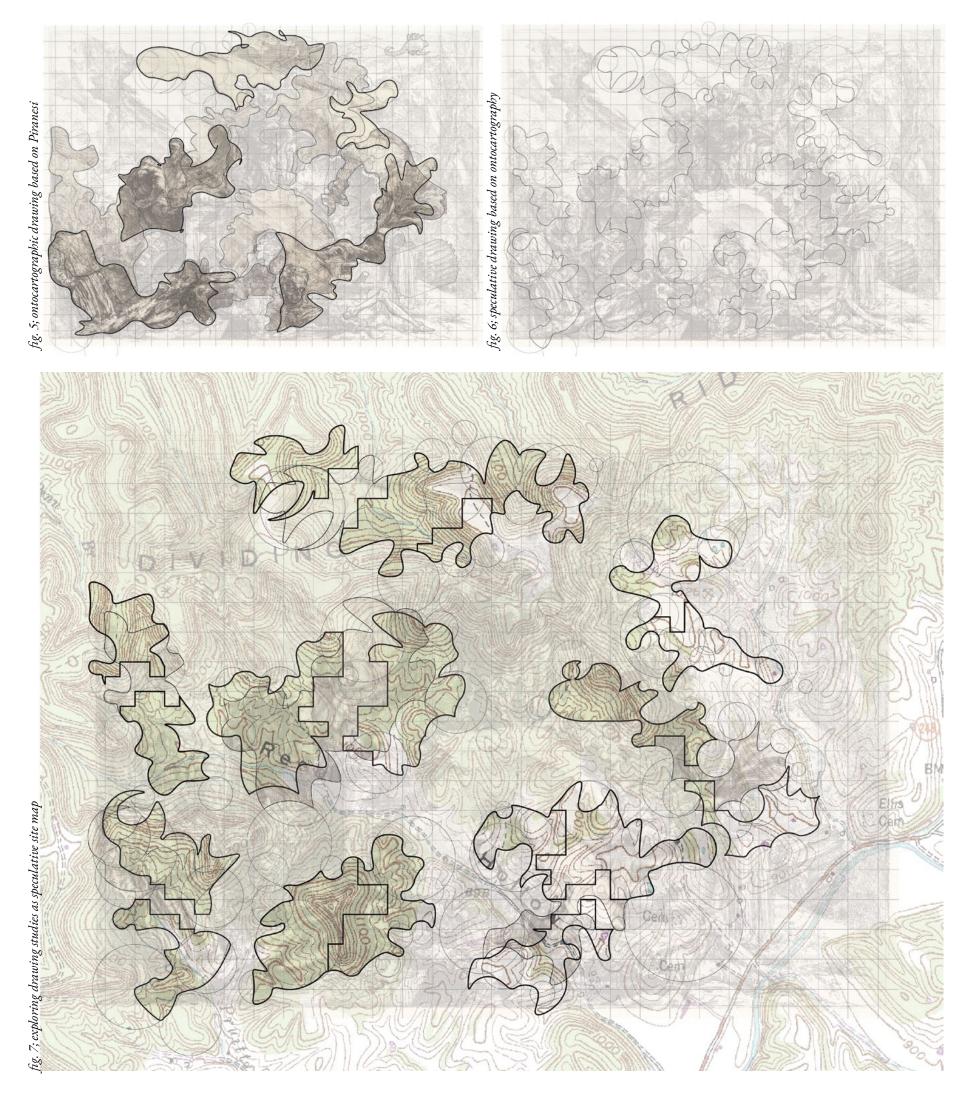


The sublime, an example of which is shown in John Martin's painting to the left, can also alienate us from the idea of nature. By depicting scenes of nature which elicit fear and deny a sense of understandable scale, nature becomes a transcendental threat. Something that exists outside of us, as the other, and creates a sense of anxiety and fear due to our inability to fully grasp it.

Piranesi's Grotteschi series drawingscanbemisreadasrepresenting a different conception of reality. By depicting a collection of objects, both human and non-human, in a way that doesn't privilege any singular object or figure, the scene can be seen as representing a more inclusive ecology of objects, one that includes human and non-human things as equal actors. This misreading provides a starting point for the development of aesthetic characteristics that challenge anthropocentric realities.



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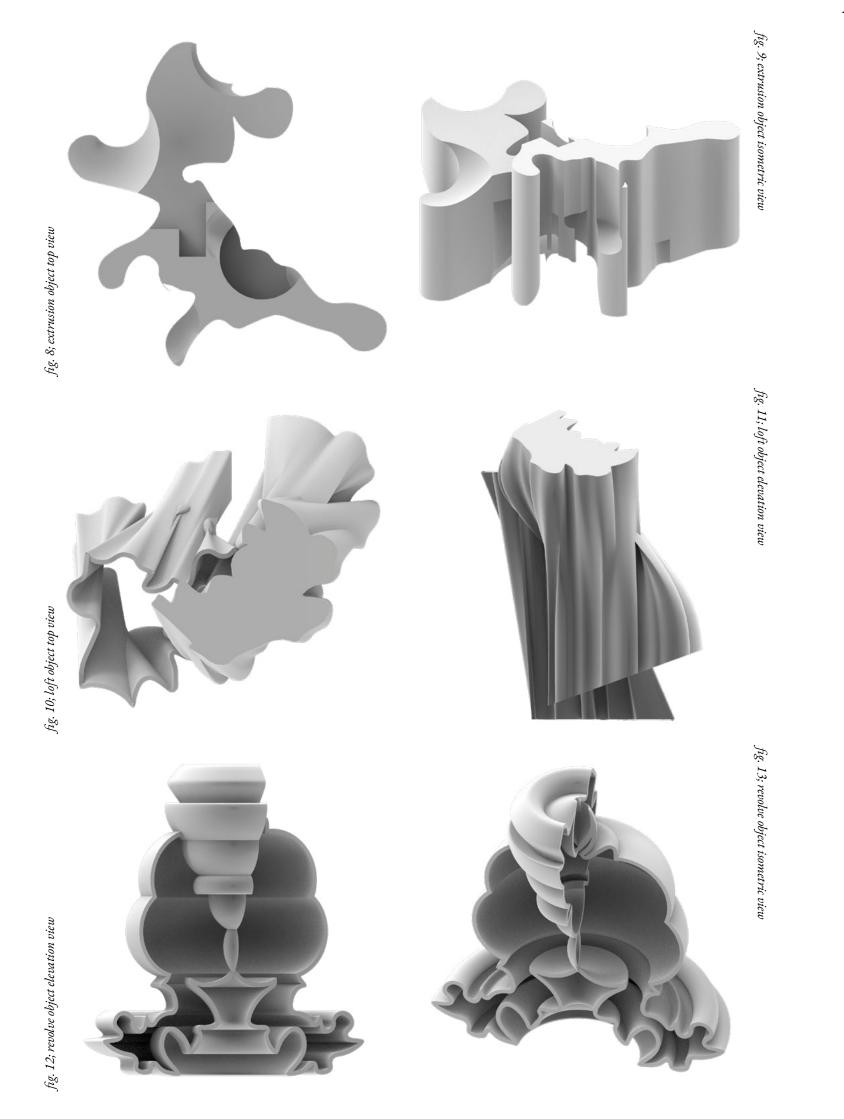


DRAWING STUDIES

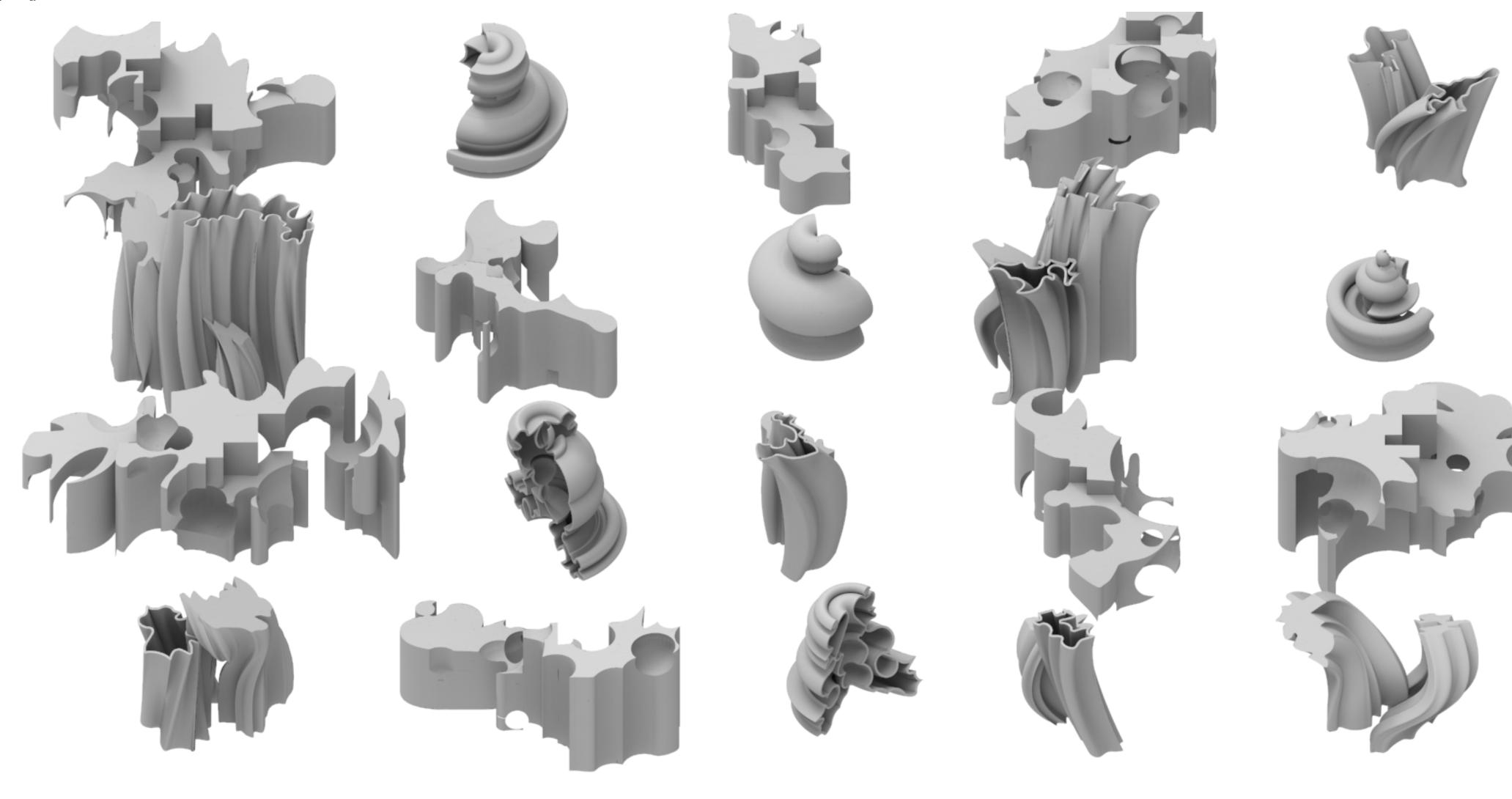
Using Piranesi as a base, a series of drawings were created as studies to begin to develop a formal logic that capitalizes on the ontological implications of the drawing. The first of these is a simple exercise of grouping objects as a kind of ontocartographic map of the relationships between the objects in the drawing (fig. 5). Extracting an ordering logic of grids and circles from this allowed for the creation of new figures that follow a similar formal logic (fig. 6). Finally, these new figures were fragmented to expose a potential logic of joinery and overlayed onto a topographic drawing to imagine this process as a mapping of a speculative site with the trace of Piranesi (*fig. 7*).

OBJECT CREATION

A series of objects were created from the speculative figures of the drawing studies using a set of simple digital operations - extrude, revolve, and loft (figs 8-14). Using these operations begins to acknowledge the agency of the software in the design and creation of the objects. The inherent logic and parameters of the software impart a certain sensibility onto the object depending on the specific command used. Human agency is reasserted upon evaluation of the output, allowing us to adjust the process or curate new inputs. The arrangement of the individual objects into aggregations composed of objects from all of the series of commands allows for opportunities to highlight or obscure the legibility of each aesthetic sensibility.



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hg.



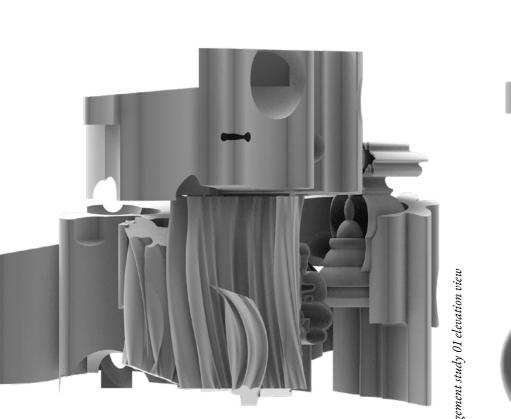
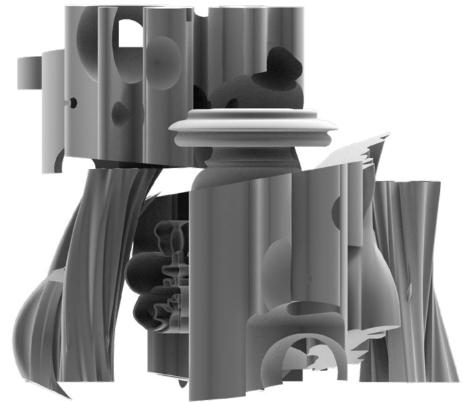
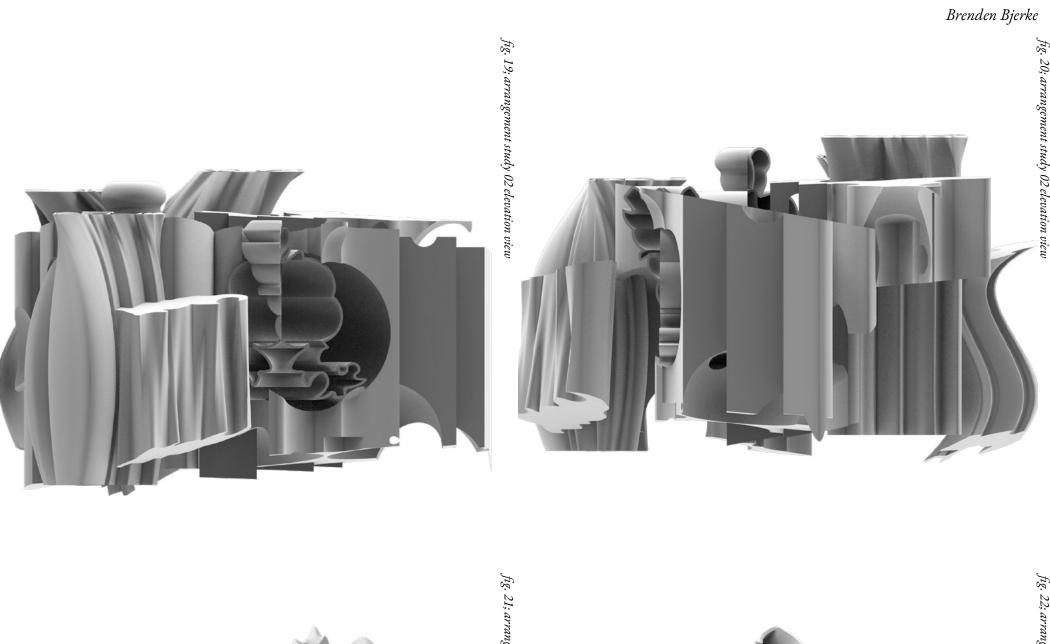
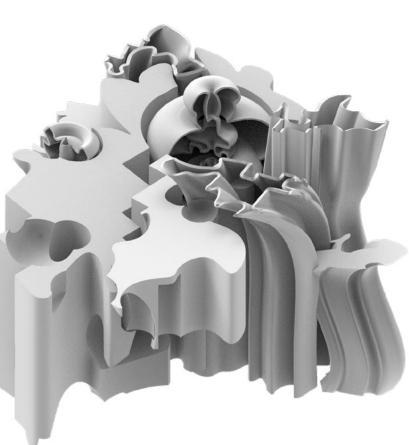


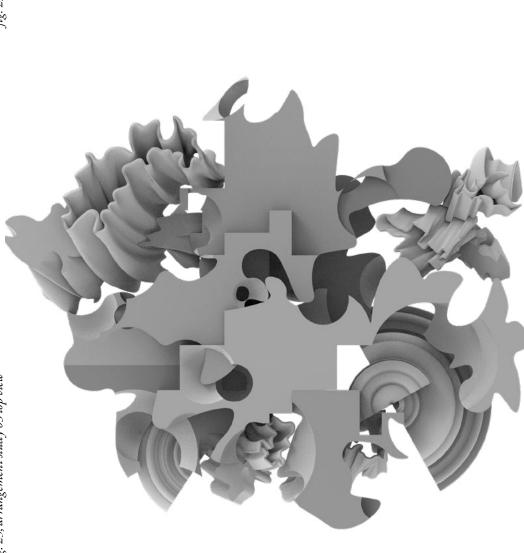
fig. 16; i

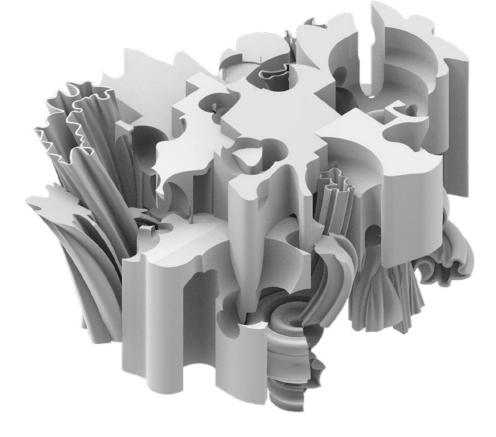


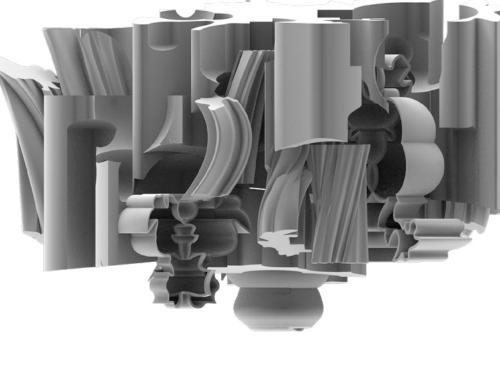


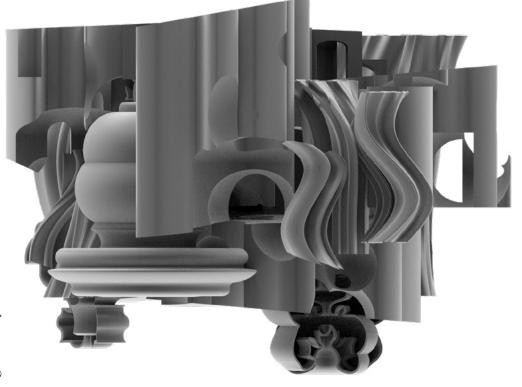


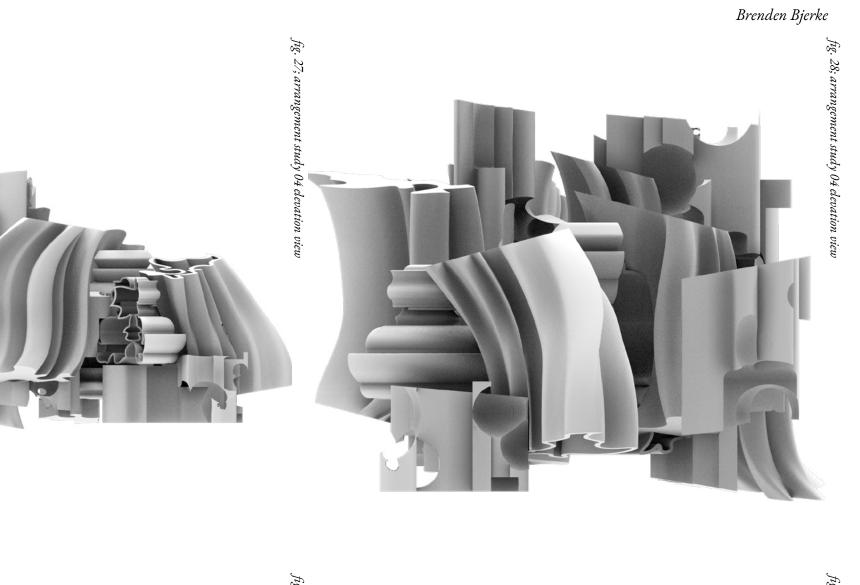


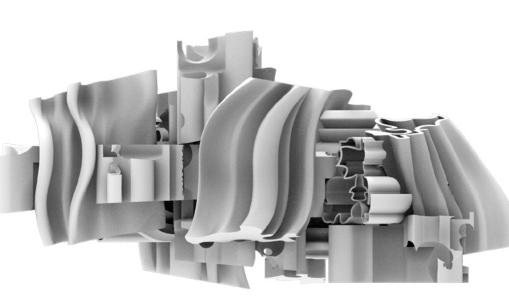
















SITE

nature of the project allows for of unspoiled nature within reach experimenting with new ways of of urban life. However, the history approaching architectural challenges of the park does not support this like site and program. By focusing narrative. The site has undergone a less on some of the practicalities series of developments, clearing and associated with the topics of site reforestation, then redevelopment and program, they can be thought that has left almost no part of the of as mediums for expressing and site in its "natural" state. Instead it amplifying the argument of the has been largely curated to create a project. For example, Discovery Park picturesque environment in service to in northwest Seattle was chosen as human fantasies of unspoiled nature. the site specifically for the existing To further reinforce this image, the ecological conditions and for the West Point Treatment plant, one opportunities that those conditions of the largest wastewater treatment provided for positioning the project plants in Seattle, is pushed down the against existing notions of human west edge of the site and intentionally interaction with our environments. surrounded by trees that hide it The park is home to diverse wildlife from human view at eye level. This from endangered birds to salmon treatment makes clear that this specific breeding runs. This combined kind of ecological management is not with the towering trees and views aesthetically worthy of the idealized of the Puget Sound and Olympic fantasy of nature. Mountain Range add up to an idyllic

Acknowledging the speculative scene that supports the narrative

Expanding the treatment plant



then provides a powerful example of mapped onto the site and used to carve aesthetic treatment that the project out the ground, therefore influencing can position itself against. We can no the design as both solid and void. longer hide the kinds of ecological Carving also reveals the geological interactions that reveal the scale with layers that have built up over millenia, which we are intertwined with nature making clear that the geological layer behind a few rows of trees. Instead, of the Anthropocene will be just the treatment of human waste is given another layer of evidence of a series of prominent placement in an otherwise changing ecologies. idealized natural setting. The machinery involved in this process is exposed at some points outside the object, which itself has an aesthetic quality that attempts to deny an ability to place it as something strictly human or strictly natural. It does not look like what we expect something to look like through natural processes. Nor does it look like what we would expect a human designed industrial plant to look like.

Additionally, the same figures that resulted in the series of digital objects and aggregations are again



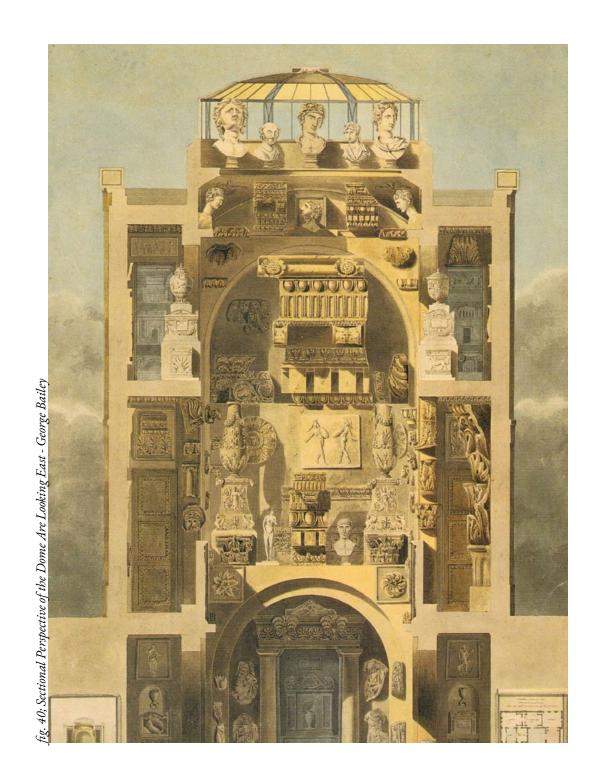


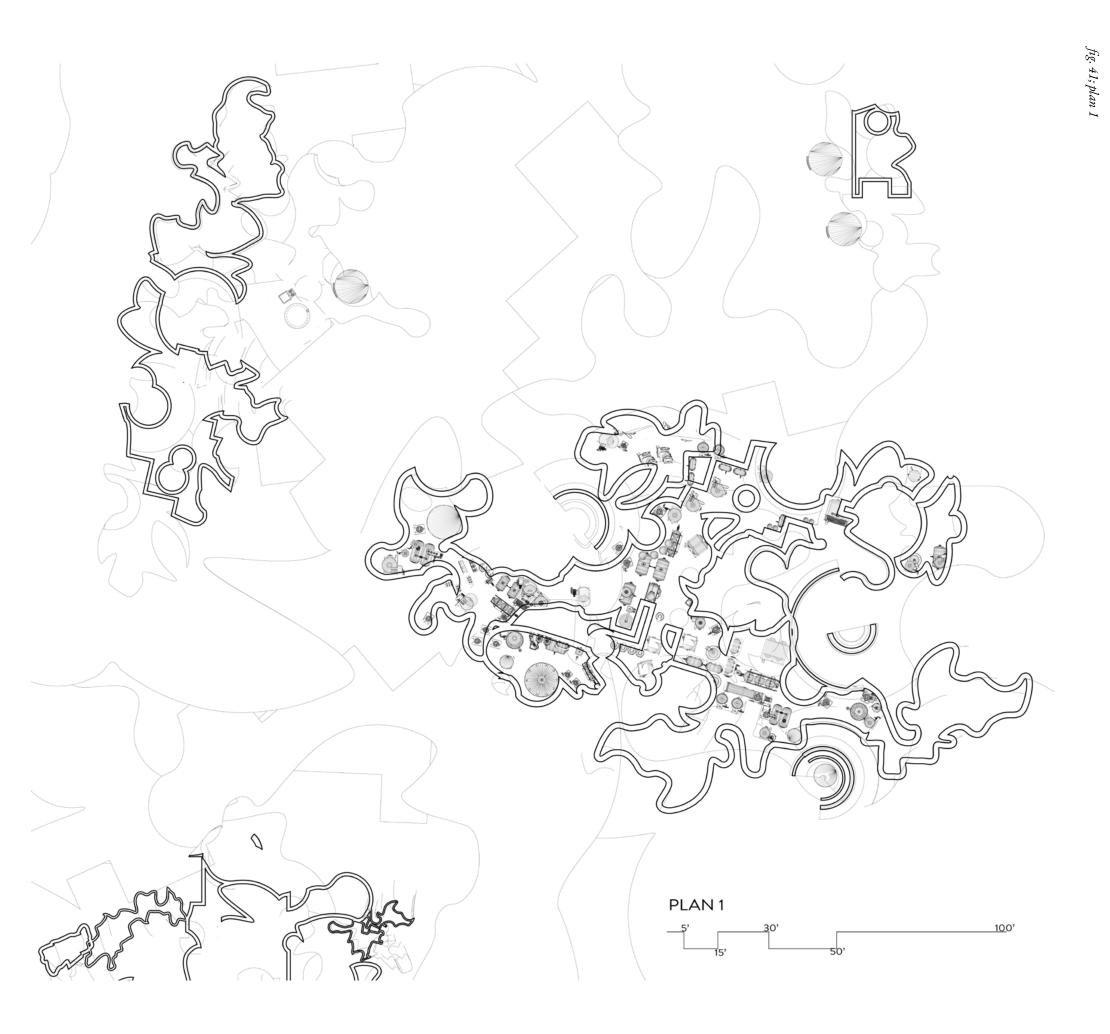


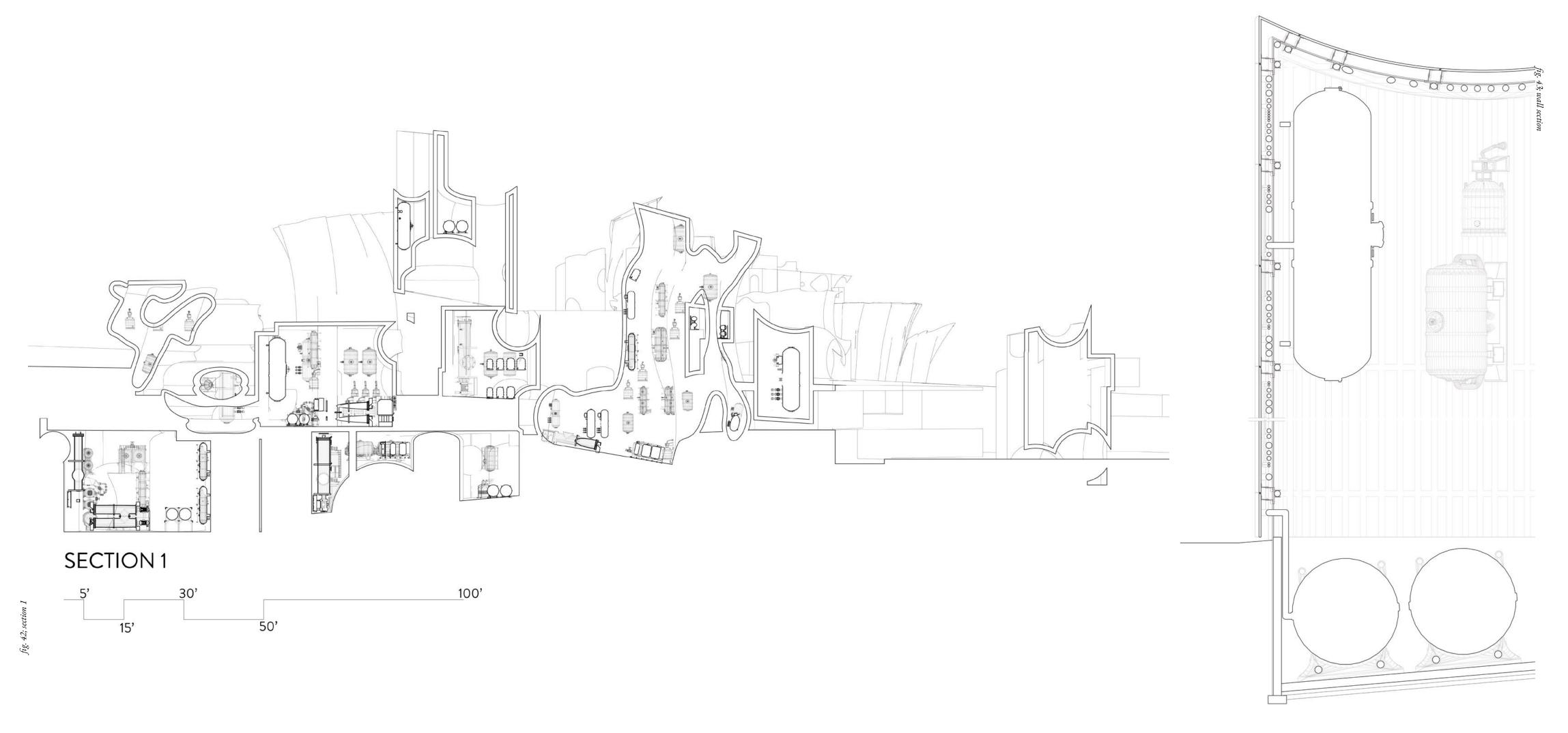


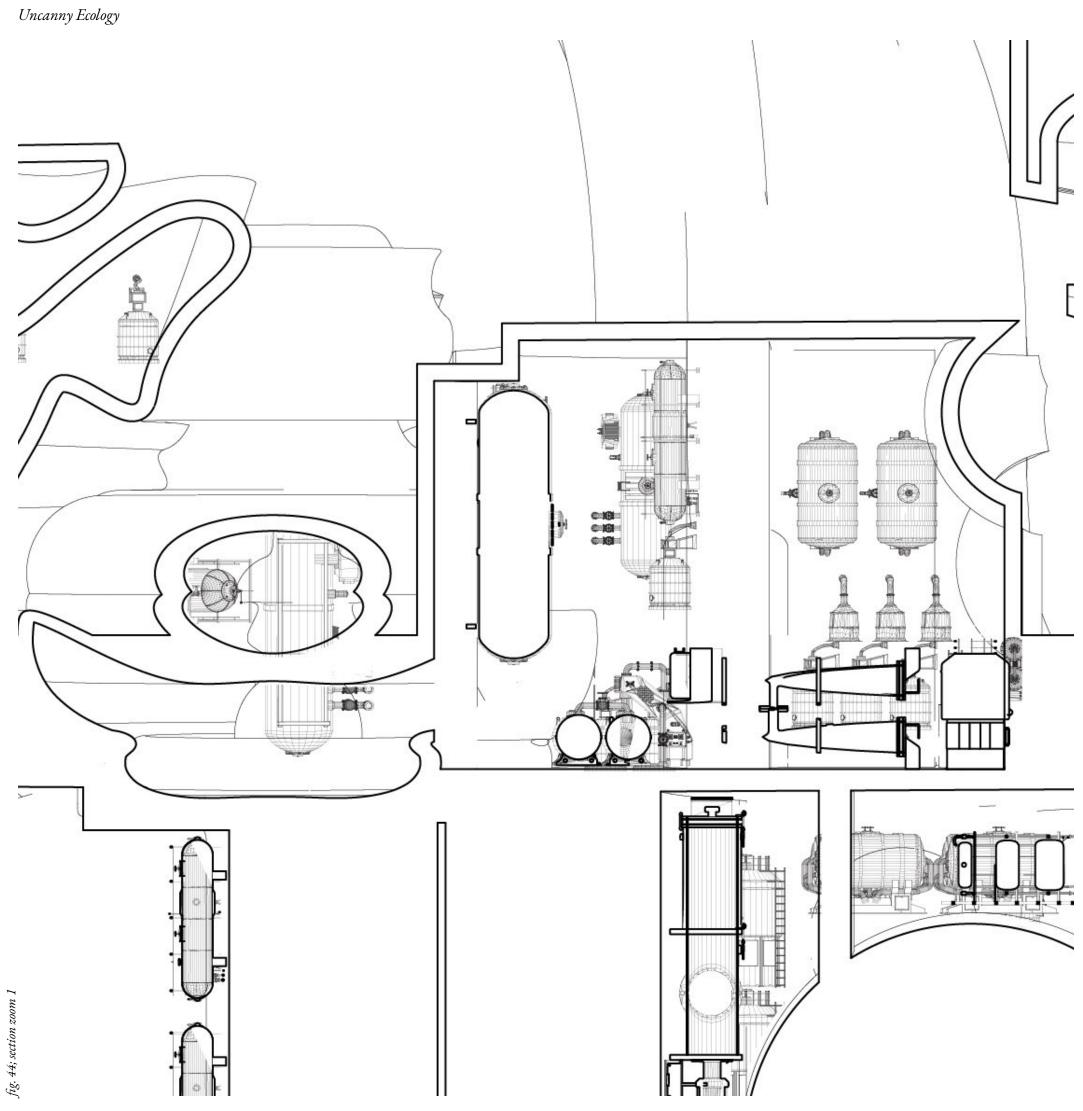
MACHINES

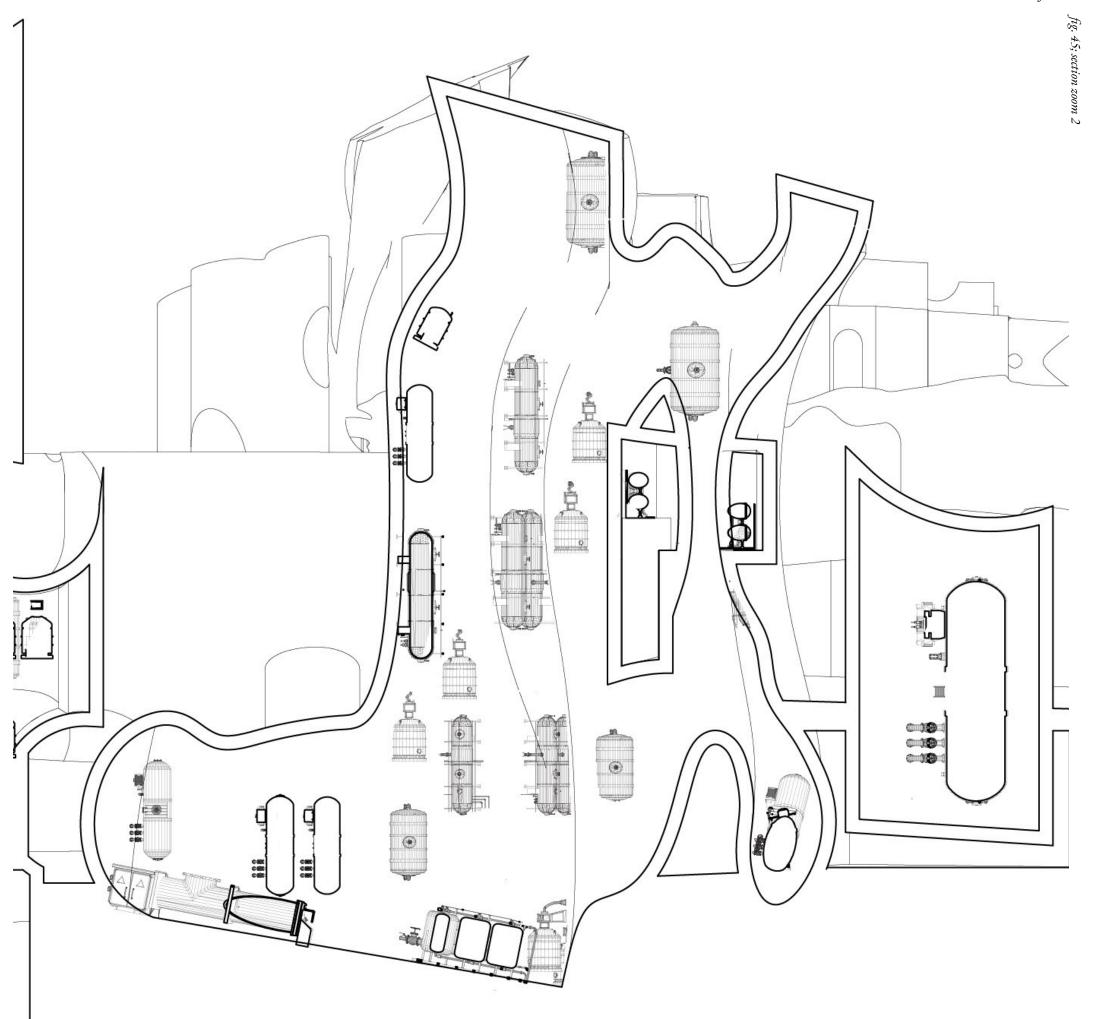
The arrangement of the machinery is yet another opportunity to position against our expectations. Rather than arranging them in accordance with efficiency, they take inspiration from the arrangement of sculptures and other artworks on the walls of the John Soane Museum in London. Here, an otherwise smooth surface of walls gain a highly saturated textural quality. In the image shown, the artworks are even poched in the same manner as the walls, pointing to their importance as an element of the architecture. Giving this kind of aesthetic attention to the machinery gives a prominence to this specific kind of ecological interaction that it is usually denied. The machinery is neither hidden nor arranged in an optimized functional way, but rather is arranged with an artful intention.







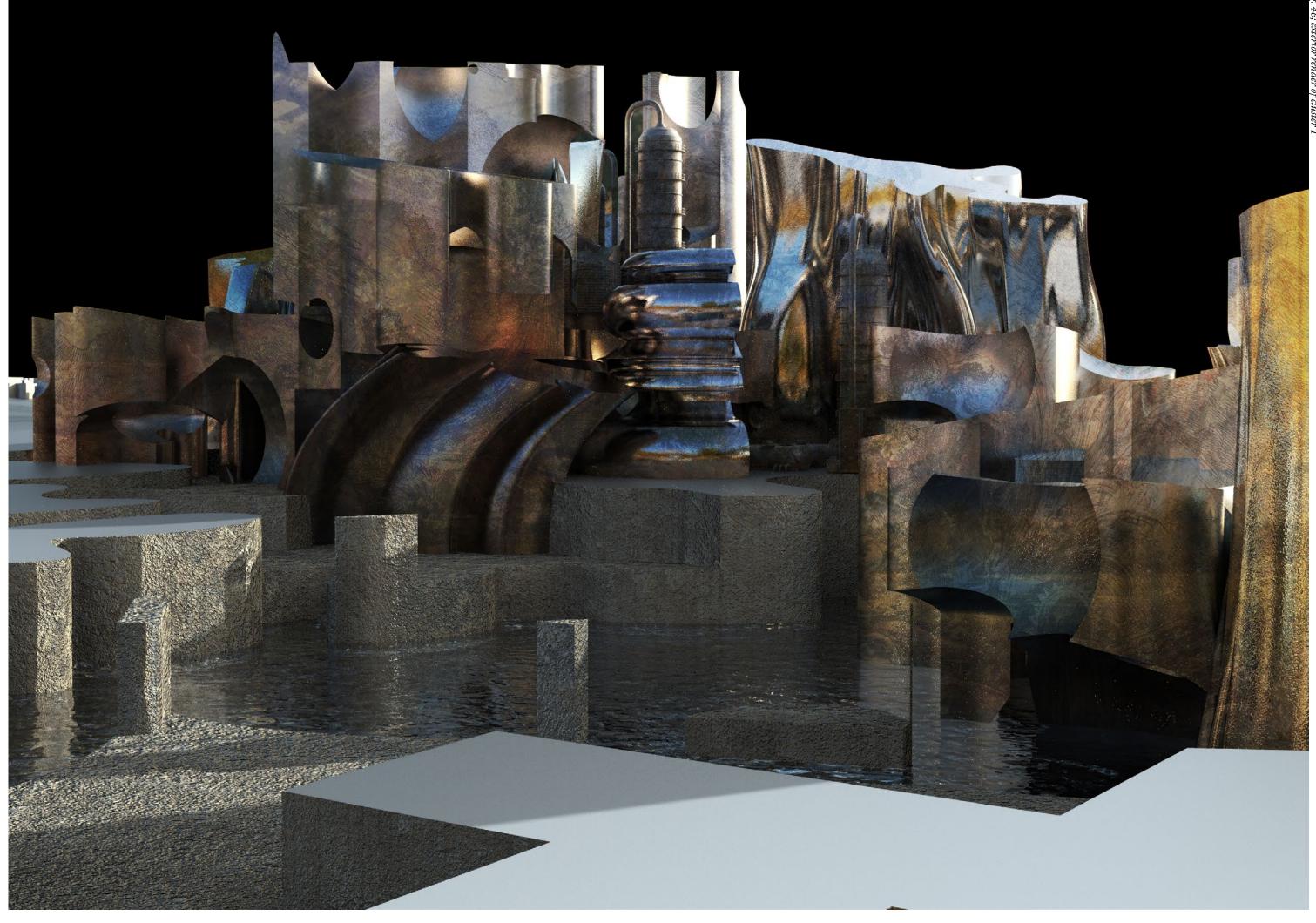




MATERIAL

combines digital techniques that aesthetic characteristics imparted attempt to have characteristics that onto the objects from the digital we might expect from both "natural" operations. and "synthetic" materials. Here again we see the uncanny in the denial of categorization as human or natural. The objects possess a polished and at times reflective effect that we associate with a synthetic material, but they are also overlayed with images from the aesthetic studies from the early stages of the project that blend aesthetic characteristics associated with idealized landscapes. The result is a varied surface effect that at times triggers associations with smooth reflective surfaces, and at others with gradated textures that can be reminiscent of "natural" formations like cliffs and canyons. The application of these effects can be adjusted also to highlight or obscure the geometry of the object, providing another moment

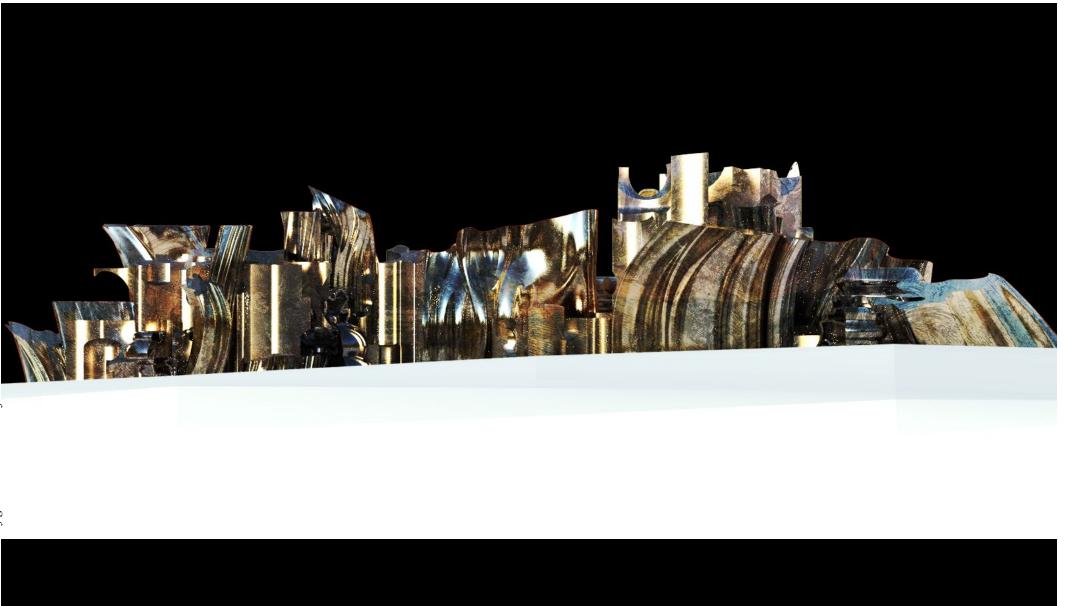
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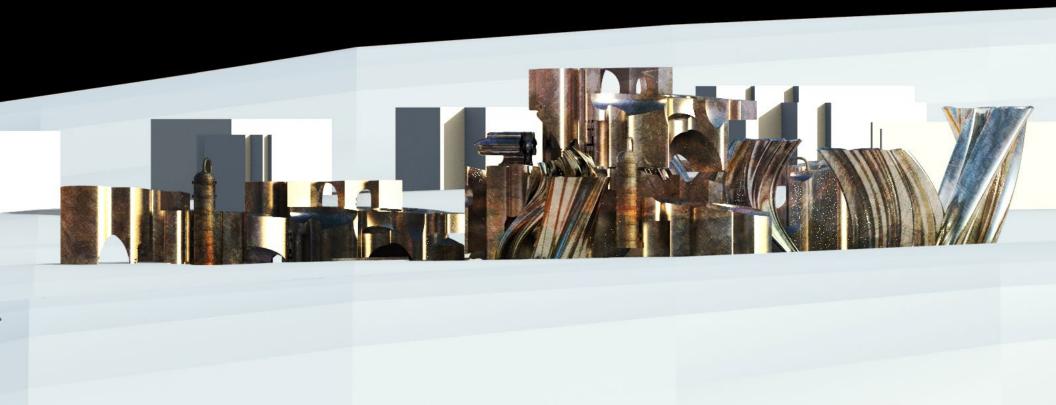


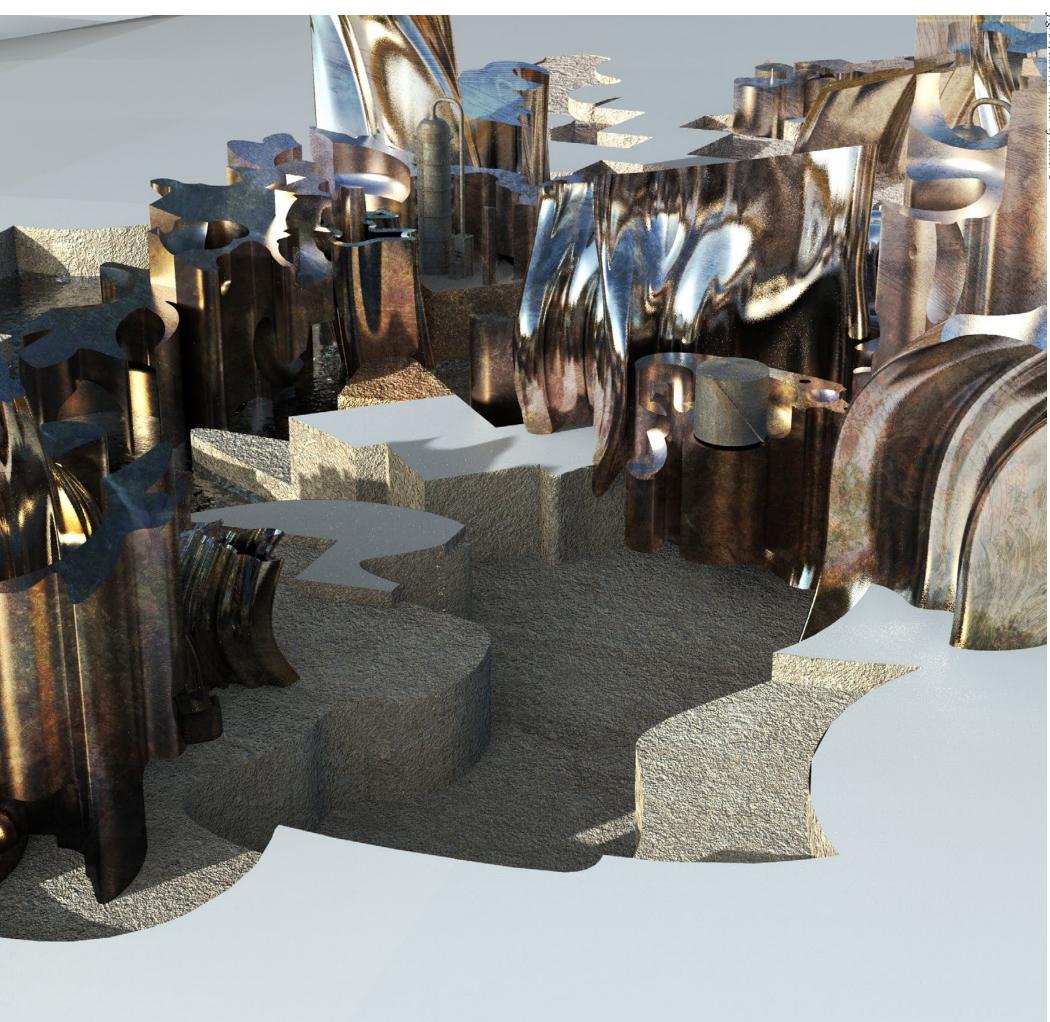
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Uncanny Ecology







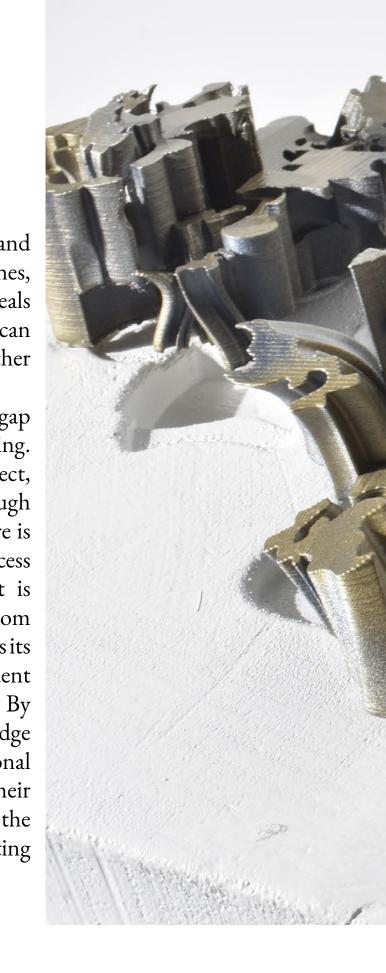
Uncanny Ecology



Media

The creation of a physical model reveal the approach to organization and allows us to scrutinize the ontology of composition of space and machines, the project further. When considering and now the physical model reveals an architectural project, we typically 3 dimensional implications that can assume that the built object is the only be approximated through other "actual" object and all the drawings, mediums. renders, and other representations are in service to that object. In the absence between appearing and being. of a building, it may be tempting to Uncanny Ecology, as an object, now consider the physical model as appears to us in several ways through the "actual" object of this project and different mediums. However, there is that all the images leading up to this no medium that allows us to access point have again been in service of the full reality of the object. It is the physical object. For this project, withdrawn, to use the term from however, it is more appropriate to Graham Harman, and therefore has its recognize the different ways that own objective existence, independent this project exists simultaneously. of a singular human subject. By There is not one single image or acknowledging this, we acknowledge representational medium that allows that the power of representational us to access the full reality of Uncanny mediums for designers is in their Ecology. Instead, each medium reveals ability to expand our access to the different qualities of the project. The reality of the object we are attempting renders reveal the intentions of the to design. material and its effects, the drawings

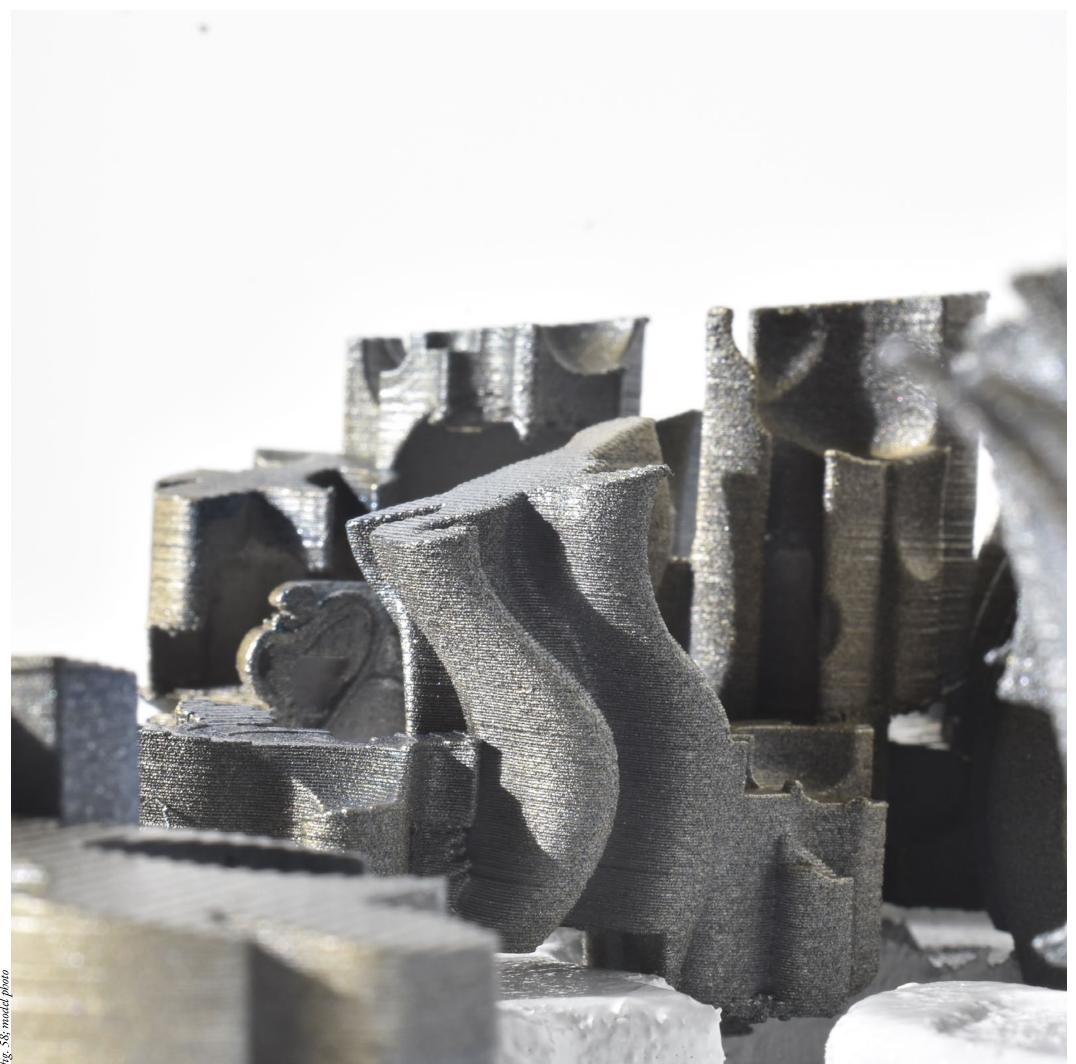
Here again we see the gap

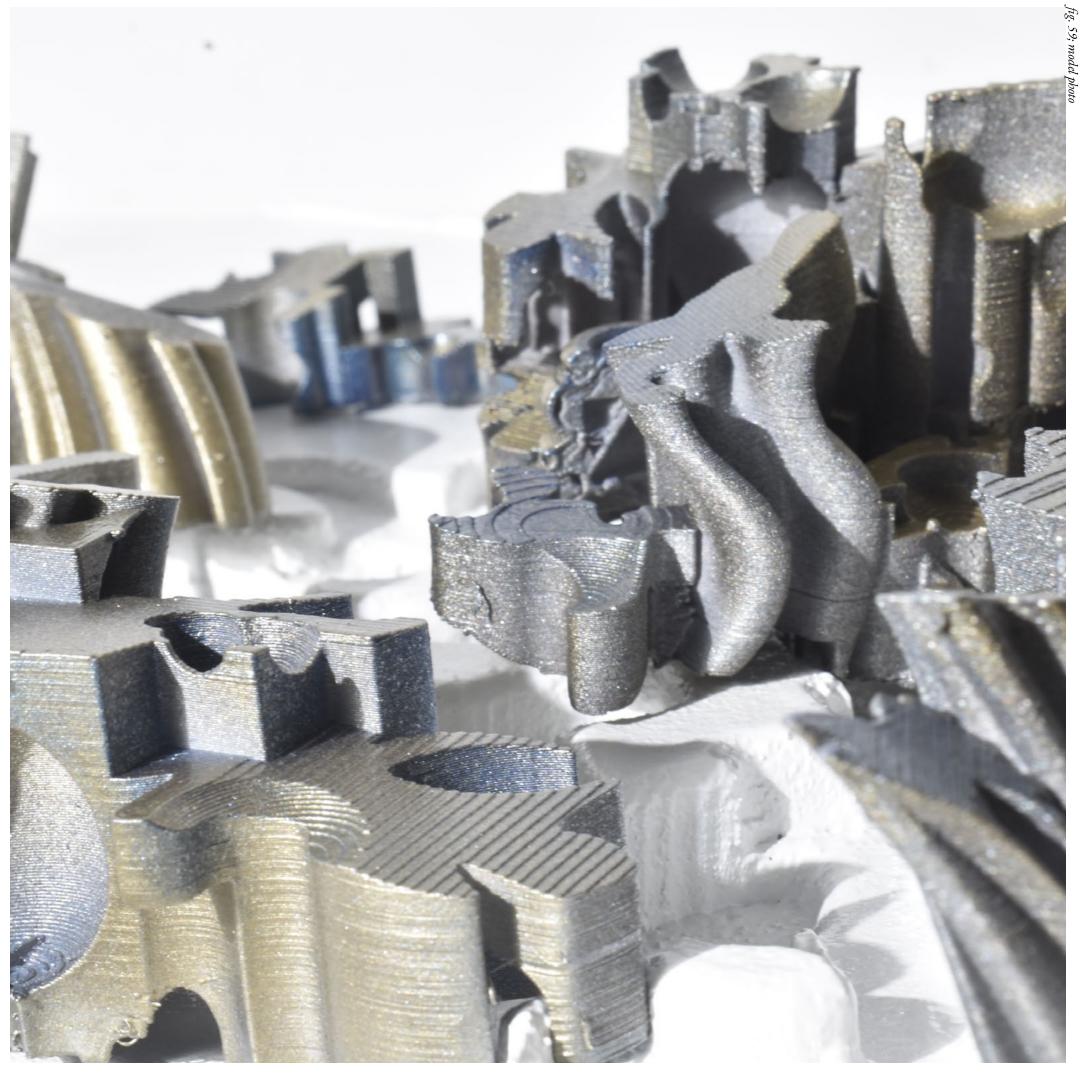












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