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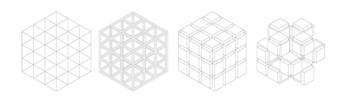
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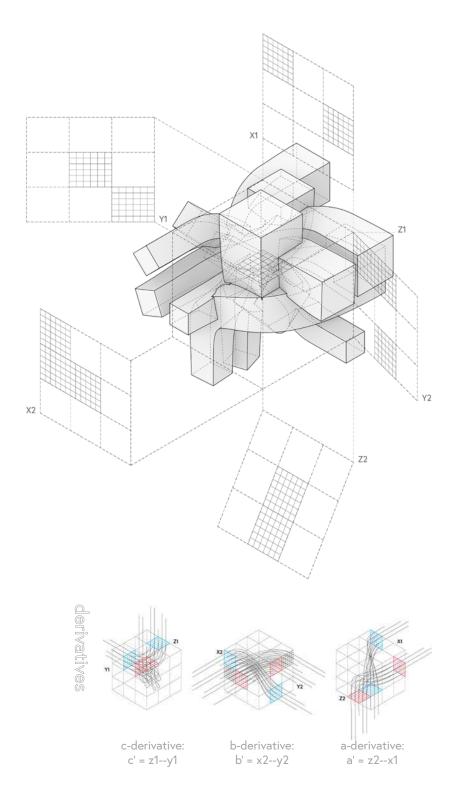
William Frank Ajanel

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parameters



9 square frame frame inversion "phenomena" subdivision derivative

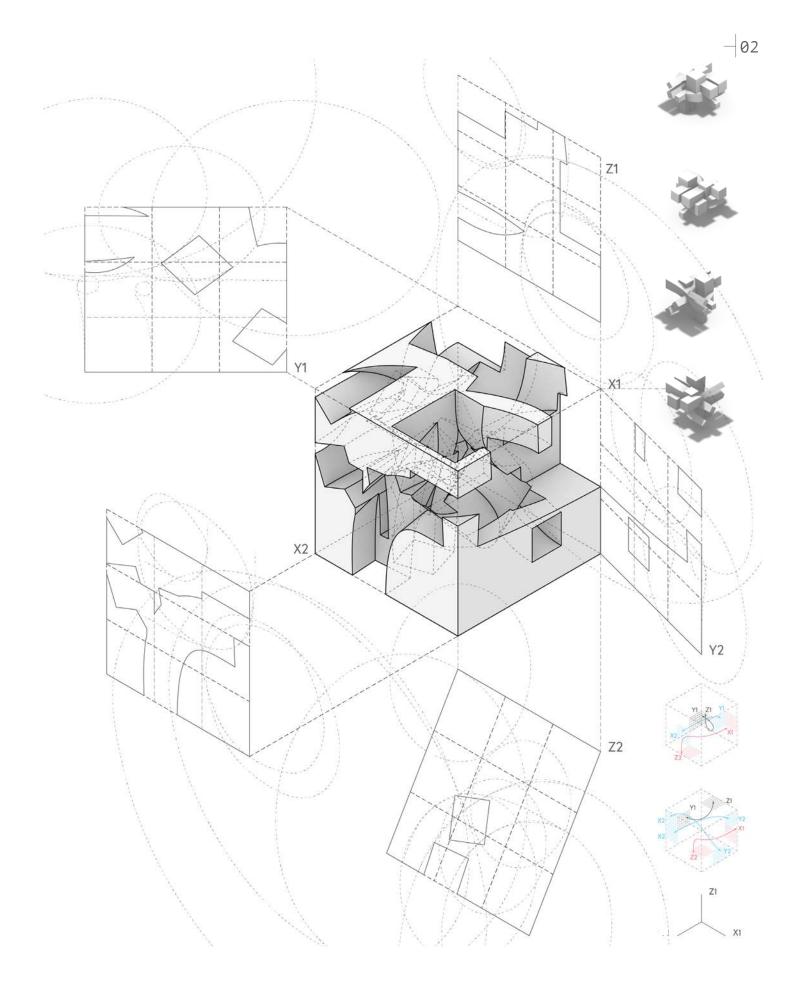


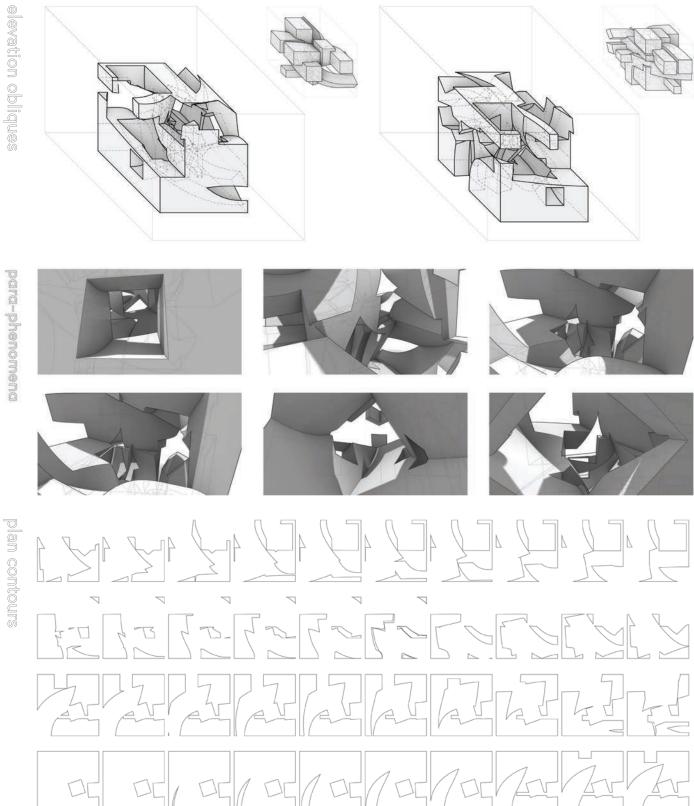


ARCH - 6039 Advanced Studio I Michael Gamble

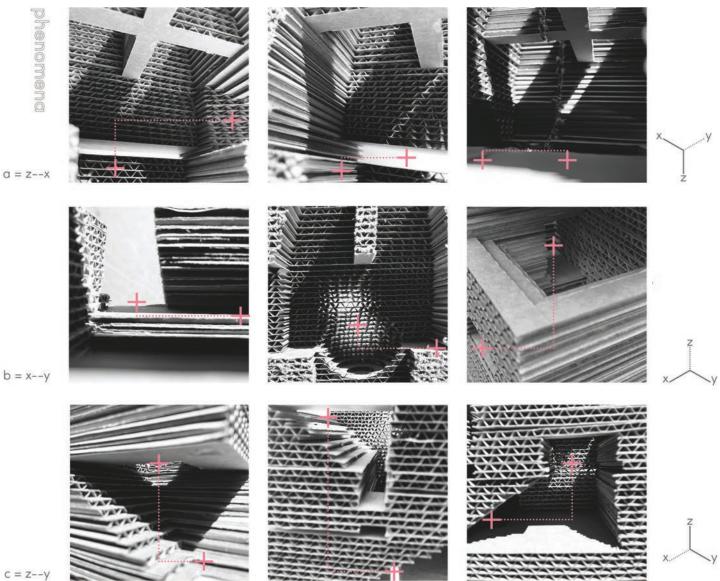
Planar Blending

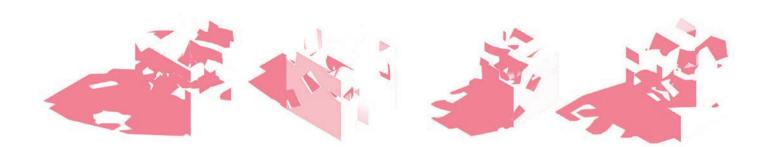
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Chapter 1

The trajectory of this studio can ultimately be broken down into two chapters.

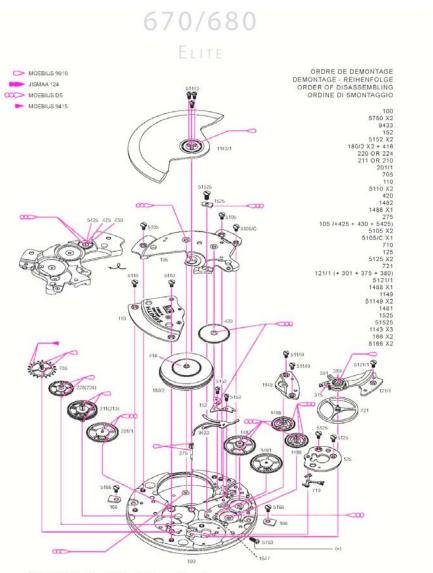
The first part consists of deriving a collection of mechanical time-telling components. These artifacts were then integrated into a curiosity cabinet. This curiosity cabinet consists of a collecion space at 34' x 21' and garden space at 55' x 21'. Ultimately, this exercise led to an exploration of wall, floor, and ceiling systems.

Artifacts: sundials water clock timeball noon cannon church bells clock tower hourglass oil lamp clock congreve clock lantern clock the tides big ben sphinx old faithful geyser jantar mantar jaipur shore temple



ARCH - 6030 Advanced Studio I Michael Gamble

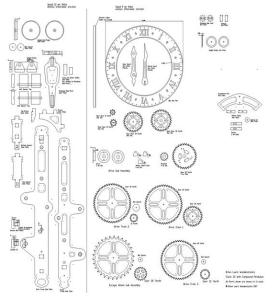
Mechanical Romanticism





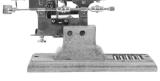
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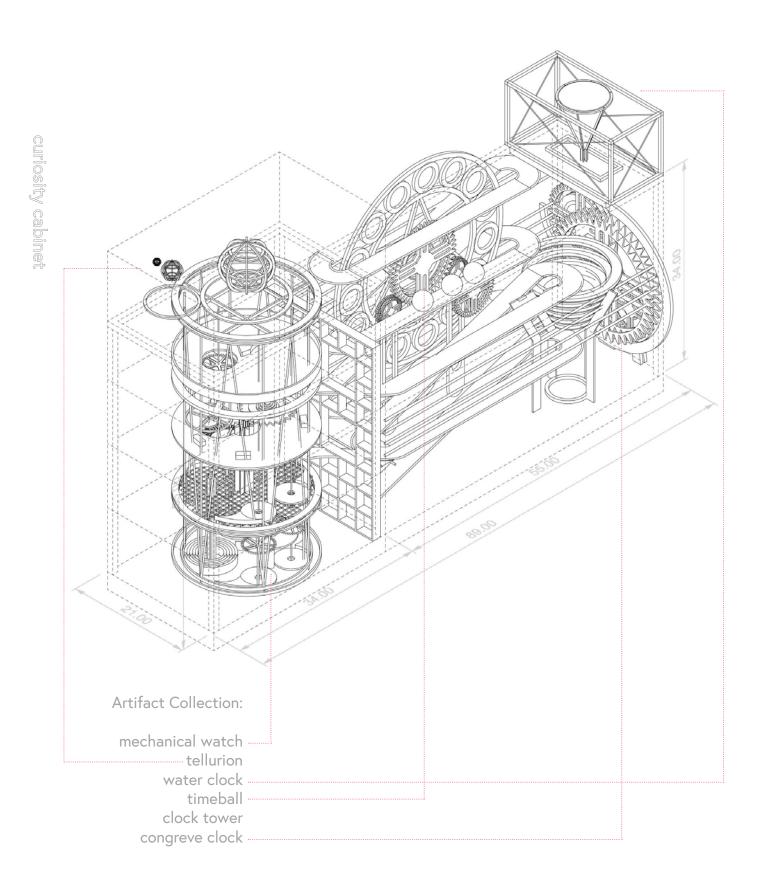






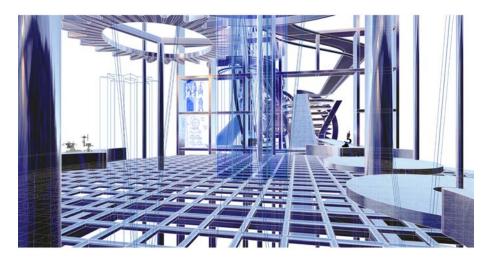


collection of mechanisms

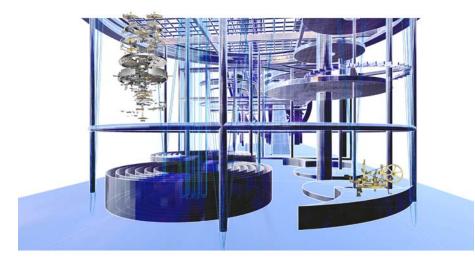




Garden



Manufacturing center





Collection spaces

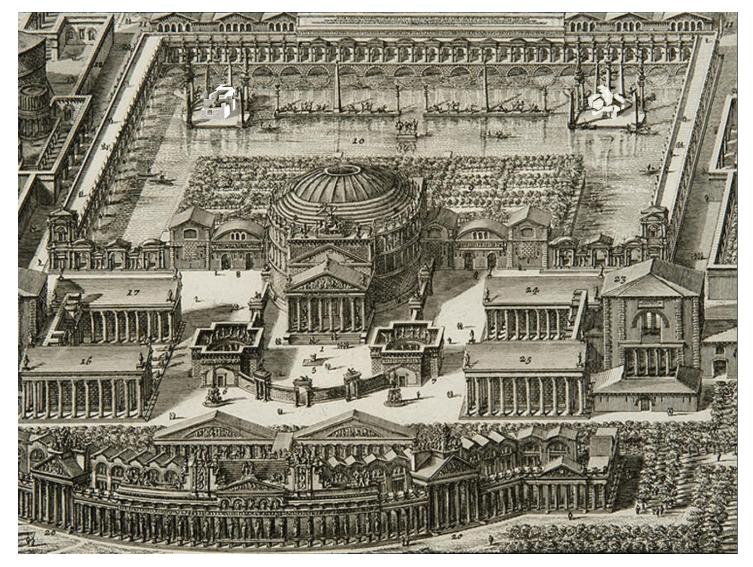


Chapter 2

The general objective of this proposal is to design an archive for collection through the imaginary reconstruction of ancient Rome. This results in a theoretical emergence of "the hanging city," or as Piranesi phrased it, "Cittá Pensile." This hanging city is derived in a cyclical process in which architecture is imagined as a set of narratives informed through contemplative drawings, models, hybrid drawingmodels [drodels or drawdles], and texts.

"When Egypt hosted the COP27 climate change talks last month, there was intense debate, raising pressure on politicians to step up action to tackle the climate crisis. But when the so-called COP15 biodiversity talks started last week in freezing Montreal, there was near silence on the global stage."

10, 000 years later, and Rome is gradually flooding. Artificially Intelligent [AI] machines have been programmed to build a hydroelectric dam to save the population. The following images illustrate the construction of the hydroelectric dam to power the machines intended to save humanity. Programmatically, the hydroelectric dam contains a museum of the machine collection, a manufacturing center for their self-generation. Castel Sant'Angelo has been repurposed as a blast furnace for the material needed to continue the manufacturing of the Artificially intelligent machines.



Inhabiting the drawing of Piranesi with Planar Blending Exercise



LEMANNA



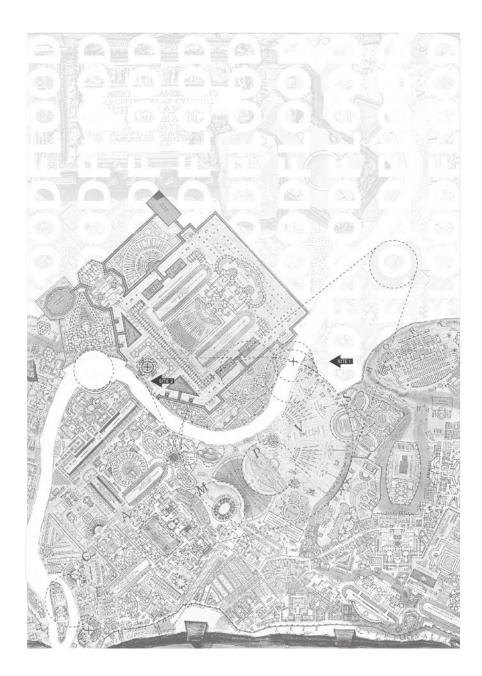




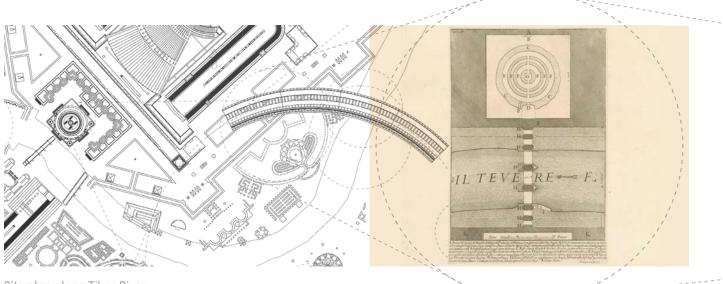




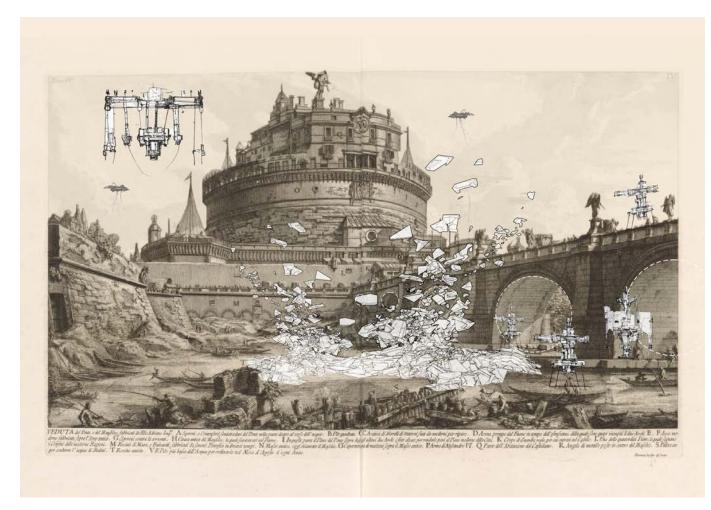
Gradual flooding of Campo Marzio







Site plan along Tiber River

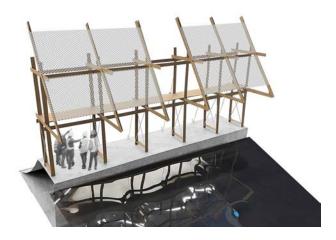


Demolition phase

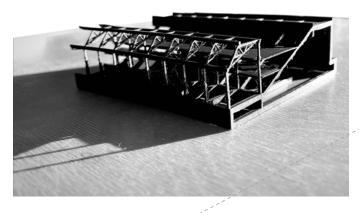


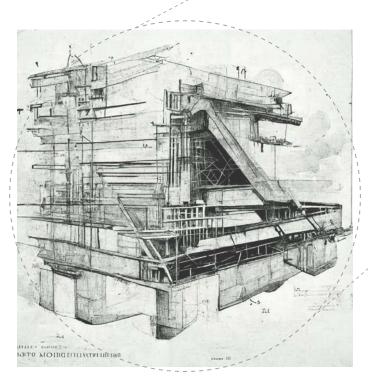


Construction assembly techniques of AI

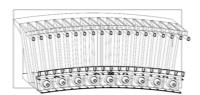


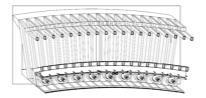
Physical model wall studies

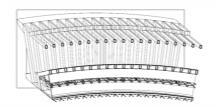


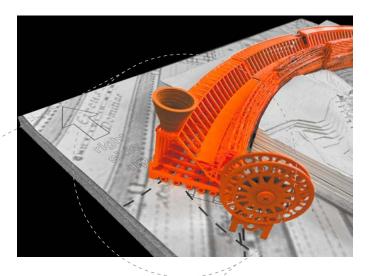


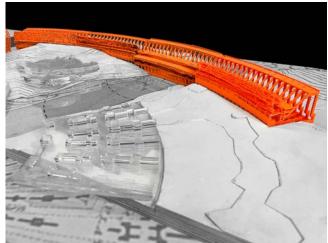
Hydroelectric dam and drodel massing model



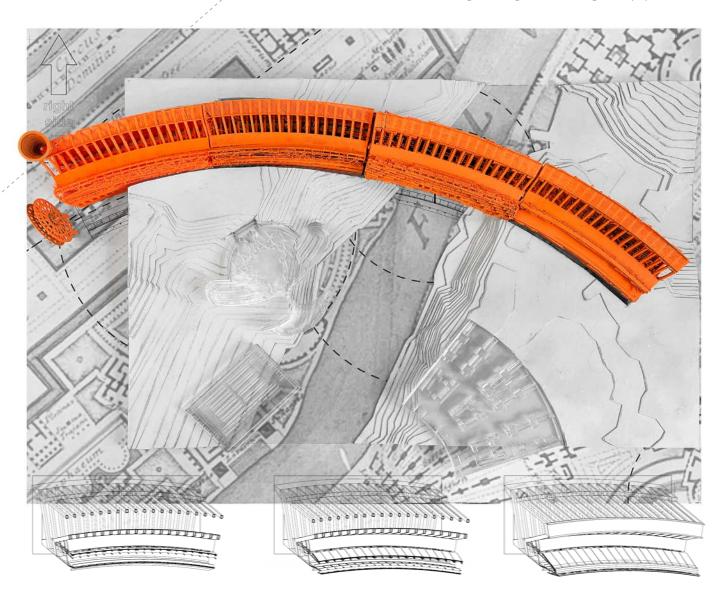


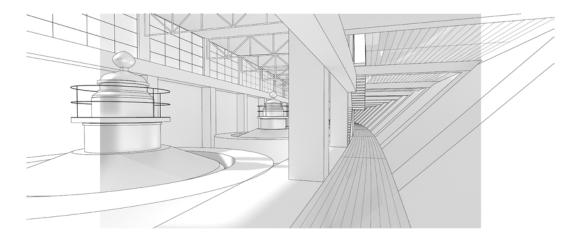




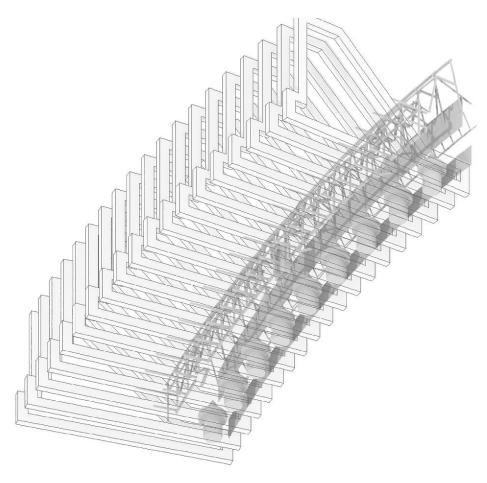


Piranesi massing re-imagined as storage utility space

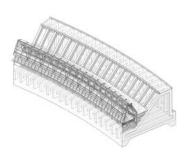




Interior perspective of generator space



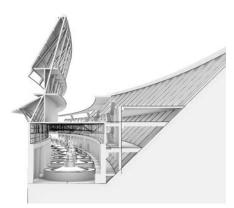
Worms-eye view of turbines for electricity generation





Maker space of AI machinery

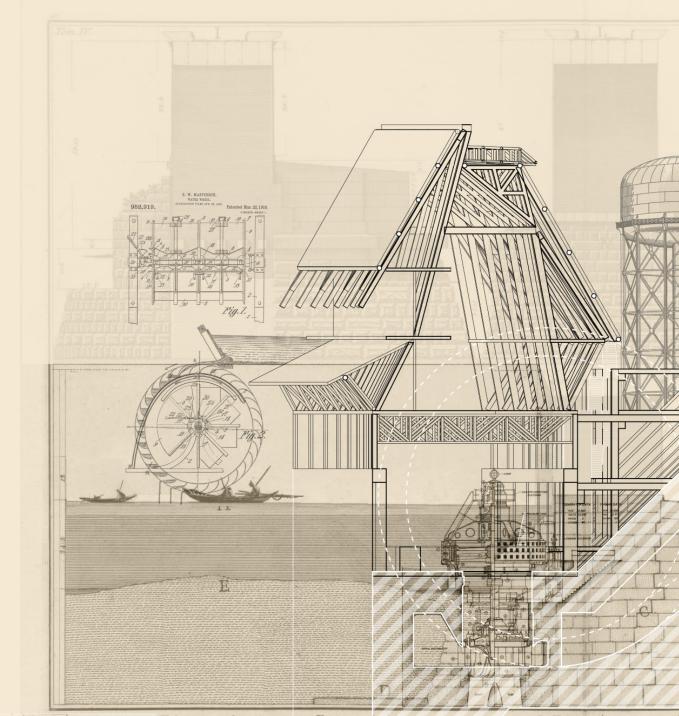




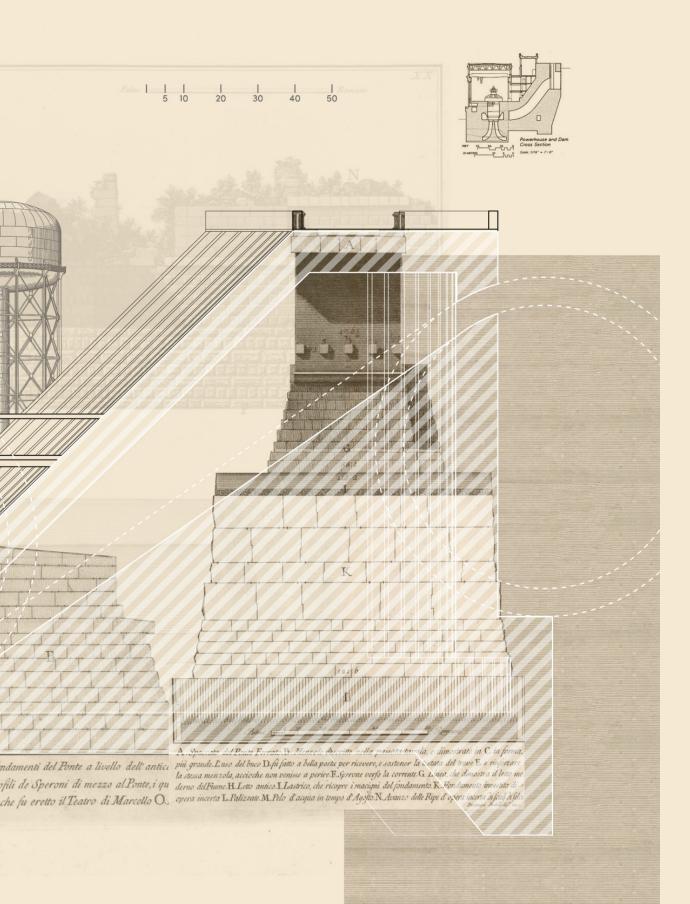
Gradual construction



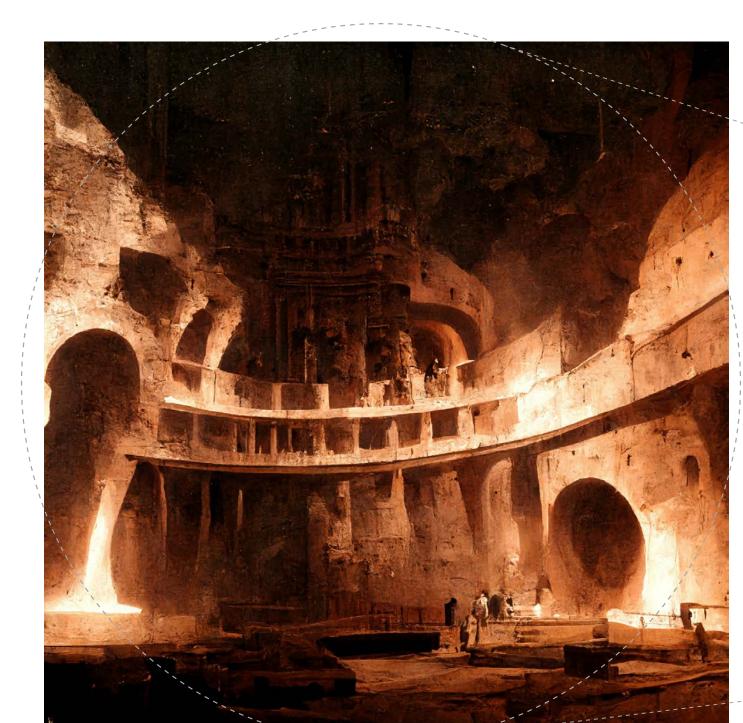
Interior view of collection archive



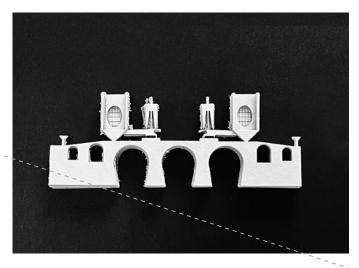
A Spacento del Fontz Fabricio oggi detto Quattro Capi B. Sperone aggiunto da Consoli sino alla linen C. D. Lanstrico, che ricuopre i fo Vintempo d'Agosto C Pelo in tempo d'Inverno. H. Pelo d'Acqua in tempo dell'Anno 275 0. V. Spacento d'uno degli Arochi superiori coi pro In Repubblica L. Spacento del Ponte verso i ripari fatti da Consoli M. Pipari de Consoli uniti alle ripe N. Ripe fabbricante nello stesso tempo



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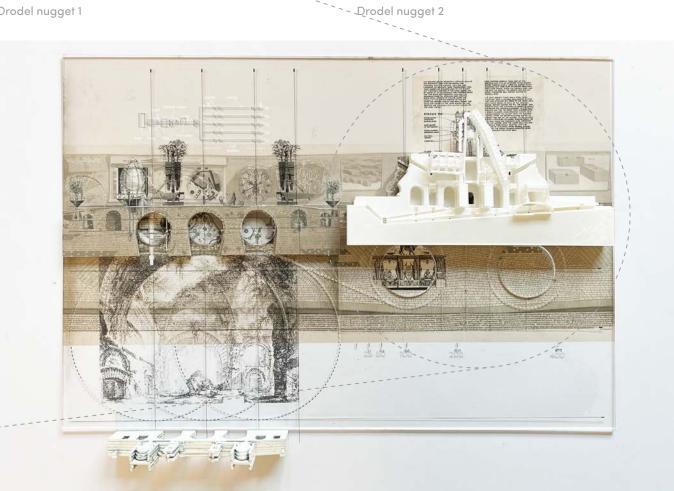


Interior perspective of blast furnace





Drodel nugget 1



Hybrid drawing model or drodel

