2022 MERIT

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ARCHITECTURA ÆMULUS CORPUS NATURALE

IN

ANATOMIA

UNDERLAND

EX

LYCEUM



SPELUNCA FRIESEHNAHNÆ

SAN ANTONIO, TEXAS

MM.XXII

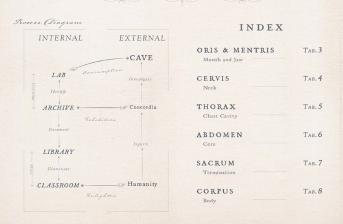


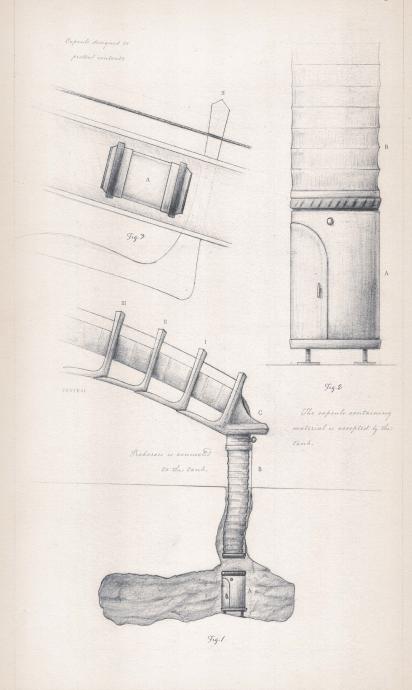
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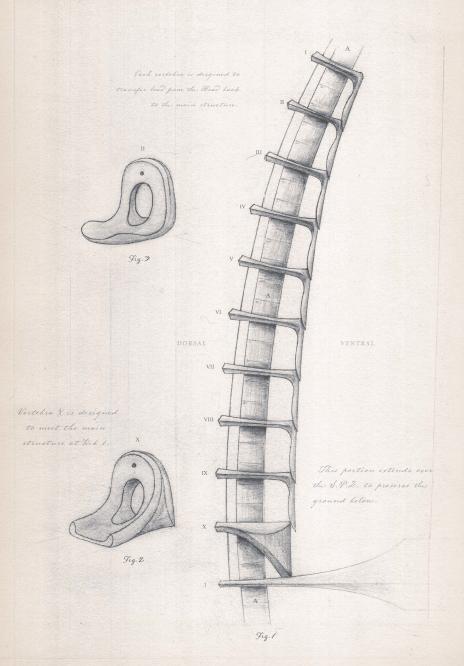
INTRODUCTION

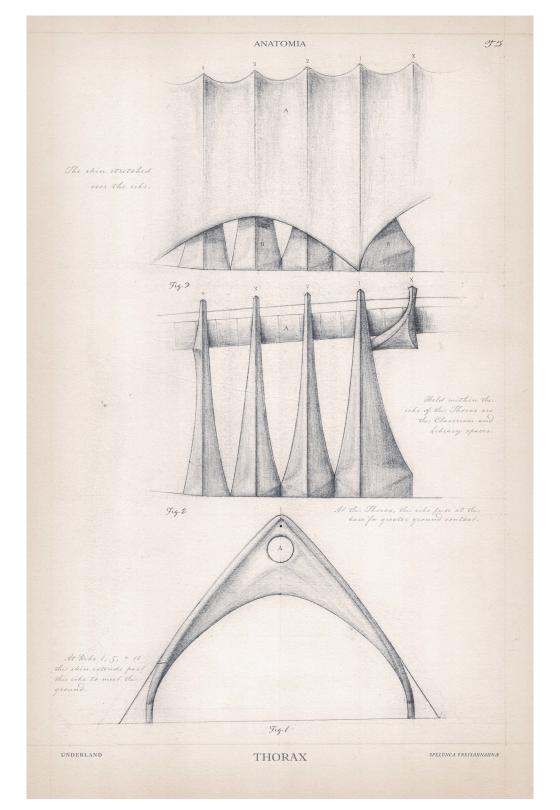
NATOMIA was developed with an acute understanding of biology. Skin and bones are resilient structures, comprising creatures for millions of years. Skin is a barrier that contains and protects internal organs from external interference. Bones are rigid elements designed to withstand forces, retain shape and functionality of the body, and enhance protection. Throughout time, humans have applied these strategies when designing structures. Home erectus is believed to have built huts with animal skins and bones. Theoretically, they used the anatomy of the animals they butchered as archetypes for their constructions, effectively recreating the animal. Humans have continued to apply this paradigm. Mammoth-bone huts were discovered in Eastern Europe, believed to be 25,000 years old. Until the 20th century, some Lakota tribes erected tepees using a relatively similar composition.

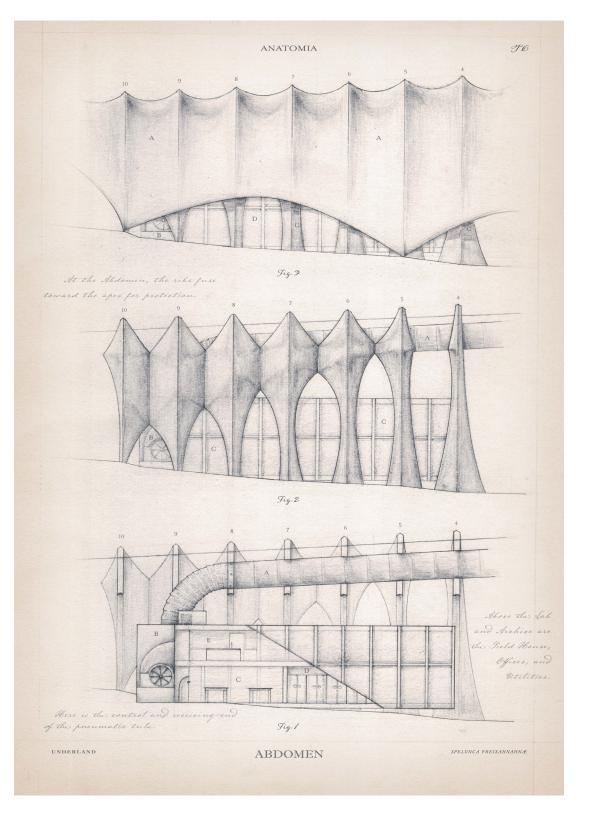
This classical standard is the basis for ANATOMIA. In form and function, the design is corporeal. Much like bones, ANATOMIA's structure responds to forces by taking advantage of contemporary technologies; a method of 3D printed bio-cement comprised of sand and urease active calcium carbonate. These bones are designed to perform specific functions such as weight-bearing and protecting. Drawn over the bones is a skin-like canvas that consolidates the structure and protects the facility from natural elements. ANATOMIA is designed specifically for the extraction process. A pneumatic tube is used to transport finds from the cave, leading directly to the laboratory for processing. The material is then refined through the other programmatic spaces in a process most-conducive for developing knowledge. By design, ANATOMIA acts as a functional piece and an evocative structure.

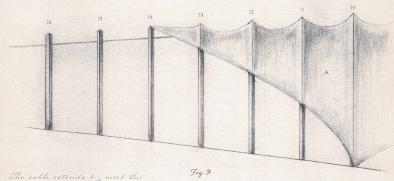




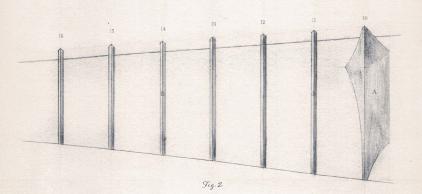








The cable extends to meet the ground beyond the structure.



The termination of the body; this portion supports the tensile cable for the Nech.

