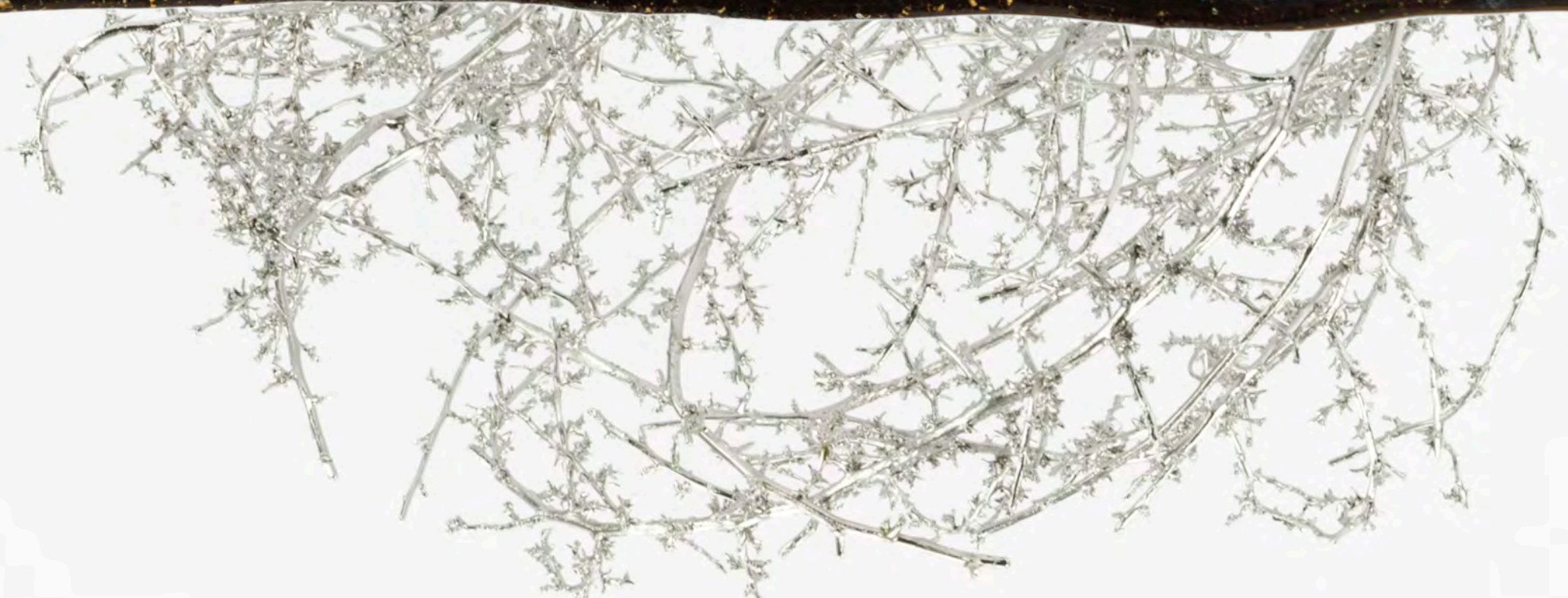


TERRA TECHNE

LIZ GLYNN

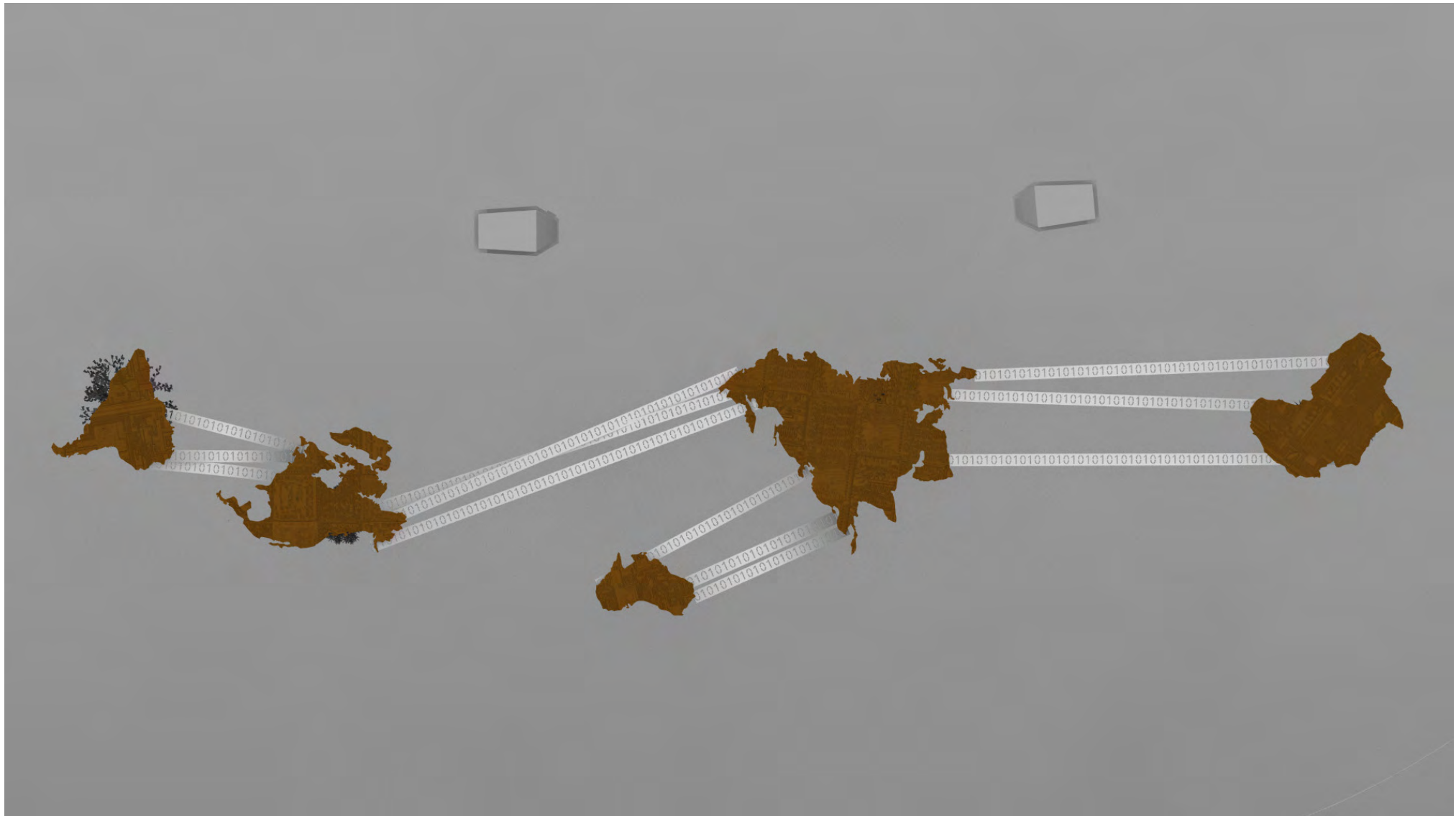


**Suspended Sculpture for SFO Terminal One
Phase I: Conceptual Design Proposal**

06.13.2018

TERRA TECHNE

Plan View

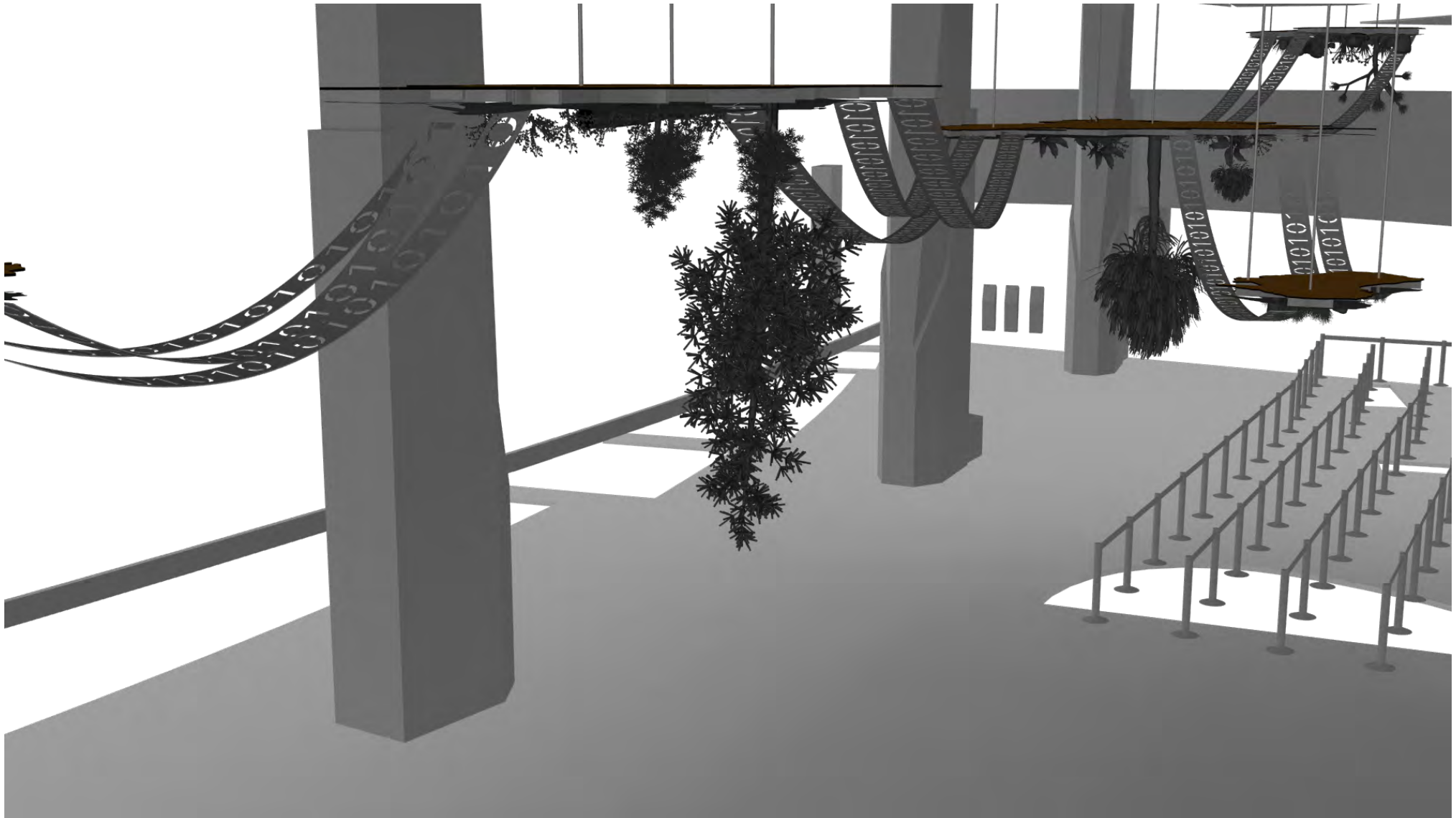


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SFAC / SFO Terminal One Suspended Sculpture

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Mezzanine view

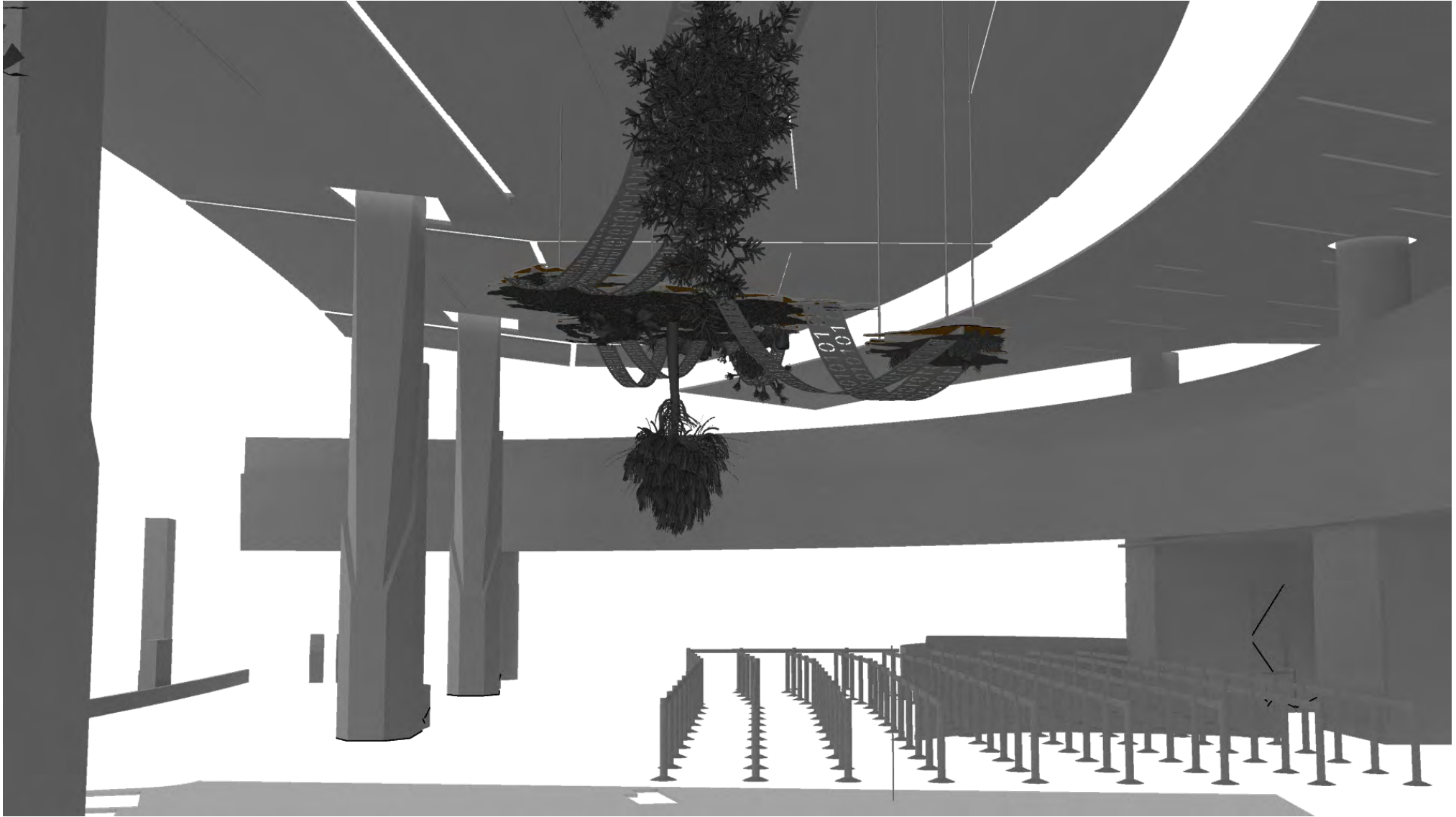


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Perspective view from terminal floor



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Elevation view



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Binary code bands, connecting the islands

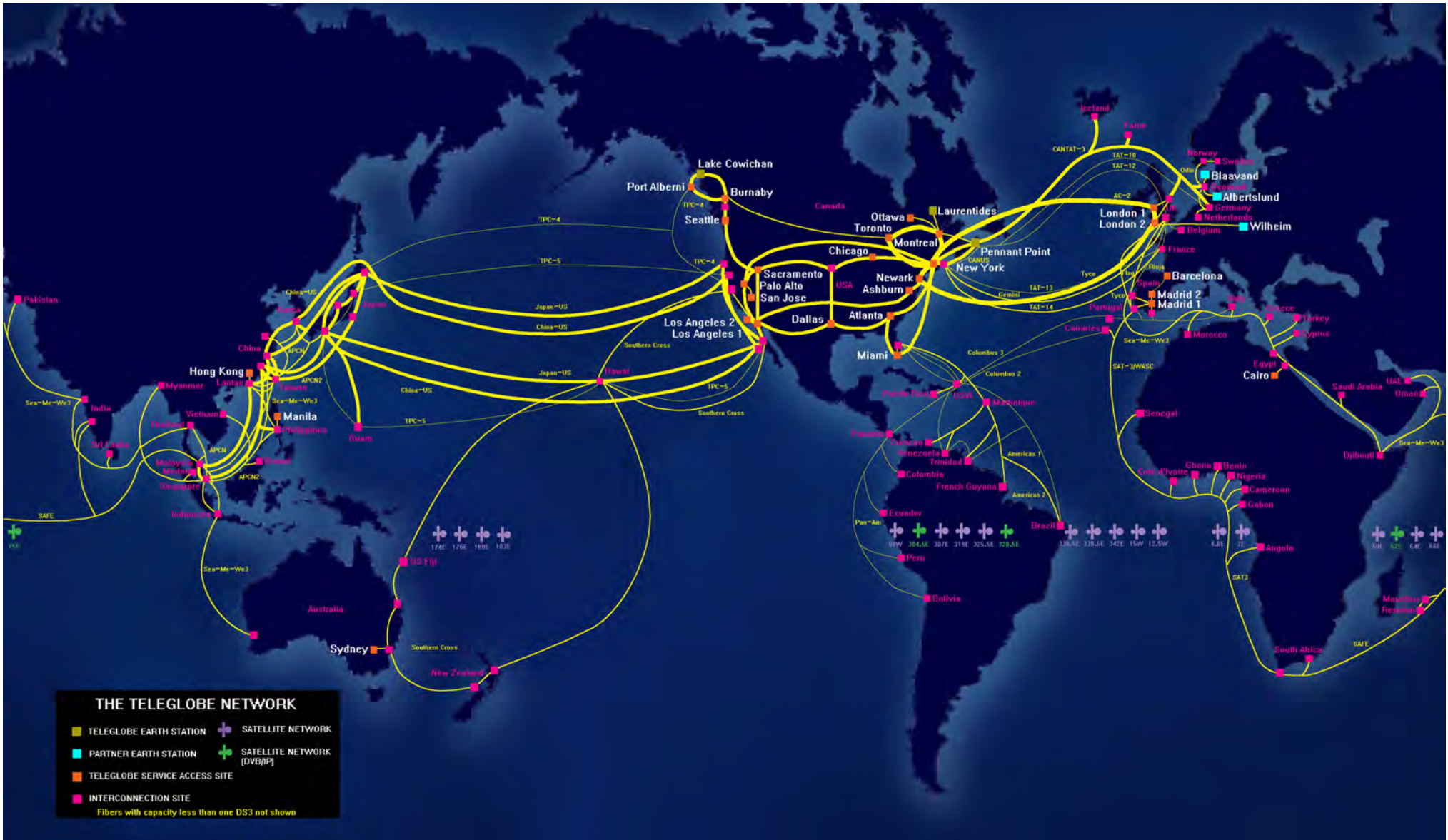
Stainless steel bands with laser-cut binary code represent the ethernet connecting the globe's land masses. Zeros and ones will contain an hidden messages, with quotes from Silicon Valley's technological pioneers.



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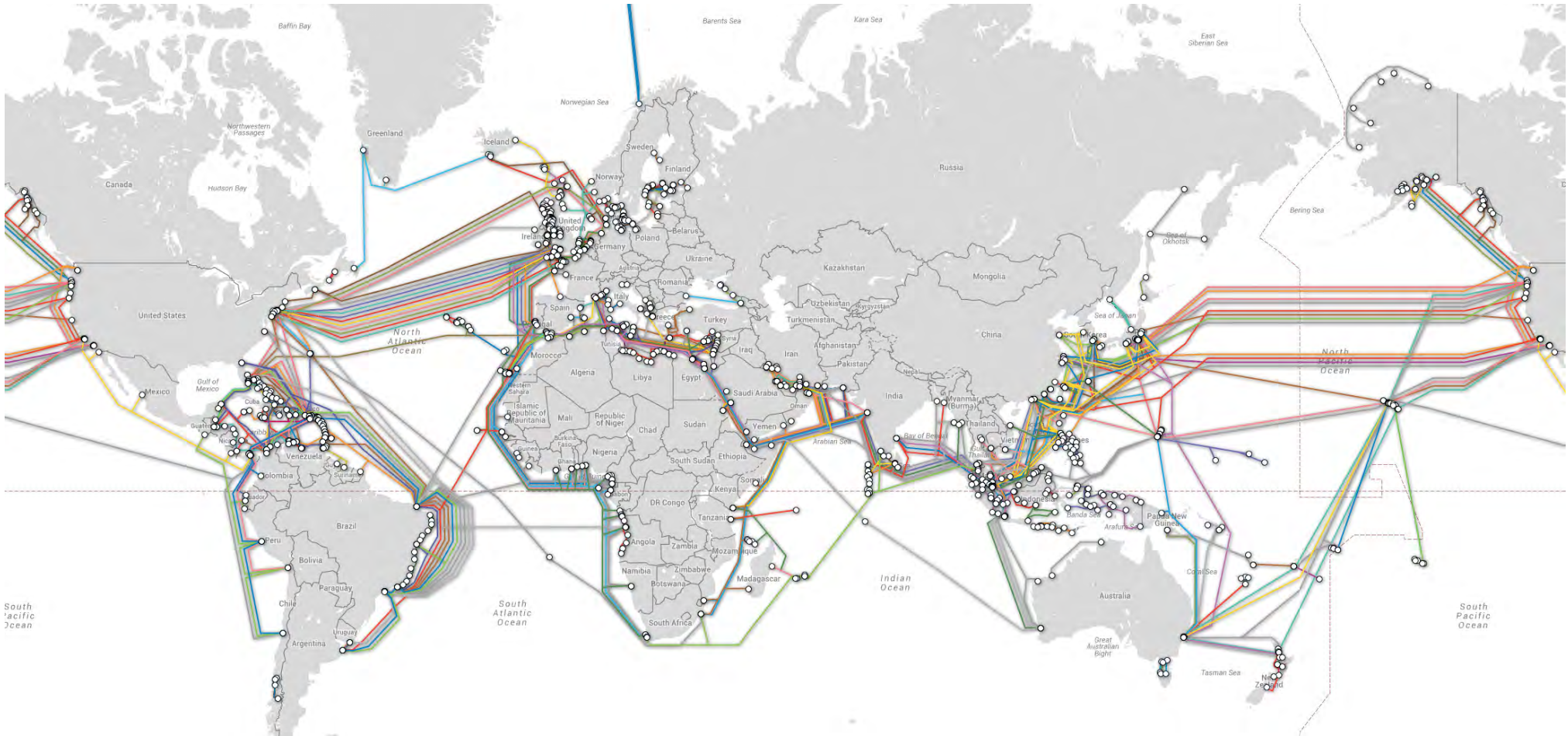
Reference images: The internet's undersea connections

International submarine network of fibre-optic cables, wires we rely on to stay connected.



TERRA TECHNE

Concept: The internet's undersea connections; SFO as a hub of global connectivity



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Reference image: **Authagraph**

The Authagraph is the most accurate flat representation of earth's land masses, aiming to fix the distortion in the most commonly referenced "Mercator Projection".



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Value Engineering

- The total surface area of the islands has increased approximately 24% overall.
- A sixth island is proposed to to balance the distribution of masses evenly among the columns, and include all of earth's continental land masses.
- The continents were resized to proportions based on the Authograph, a flat map which corrects the distortions of the Mercator projection. In some cases, the more feathered edges were extended to increase the overall footprint.
- Tree height increases:

	Original	Revised
Sequoia	6'3"	9'
Oak Woodlands	3'9"	8'
Joshua Tree	4'6"	5' 2"
Palm Tree	9'10"	10'6"
- Stainless steel bands of "binary code" connect the islands in a pattern based on maps of under water fiber-optic cables. We believe this is the best value engineering available, as it unifies the space at an additional cost of under \$5000. The number of bands could be increased, if desired, in a cost-effective manner.

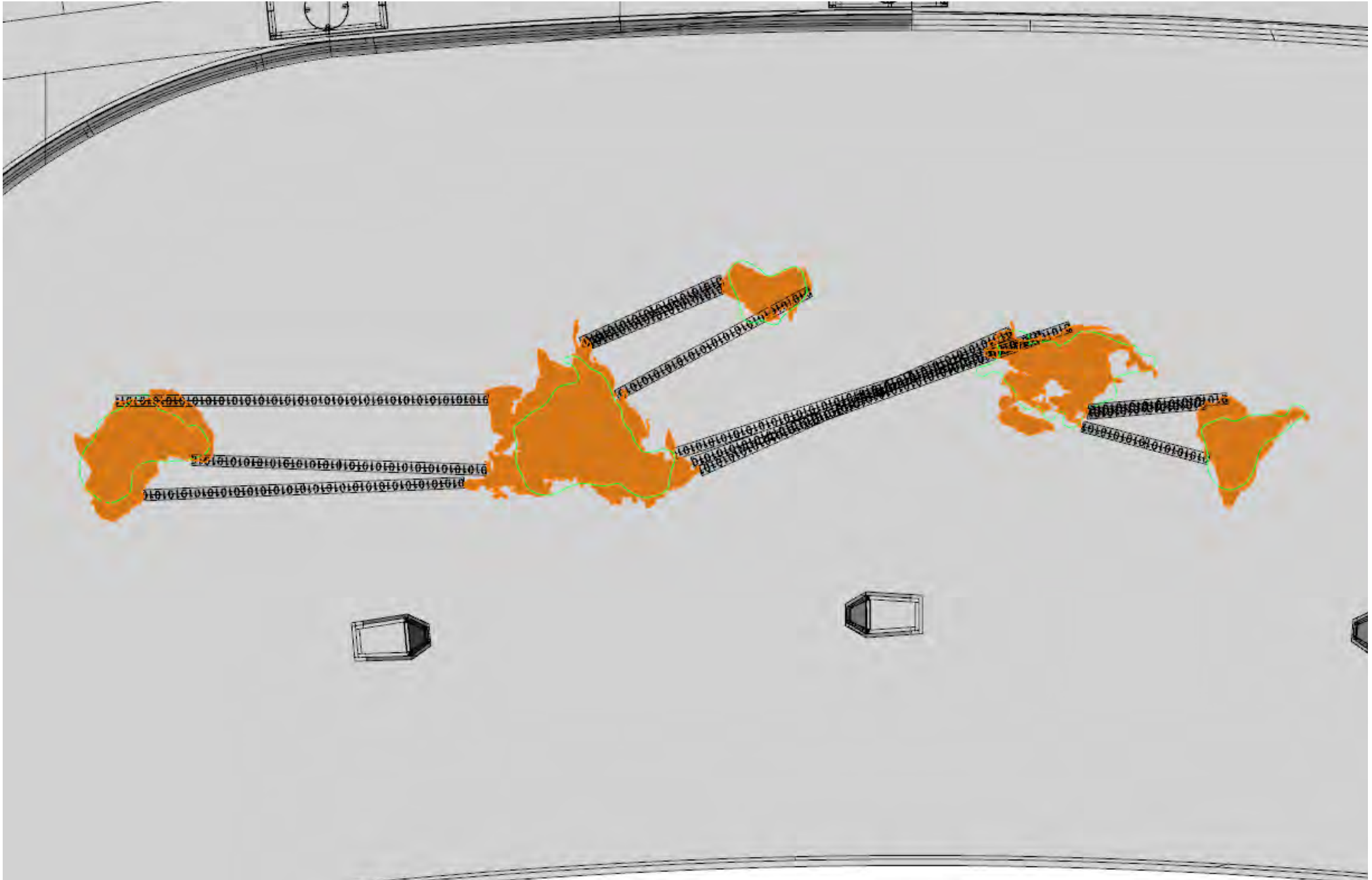
TERRA TECHNE

Elevation view with scale increase



TERRA TECHNE

Plan view with scale increase

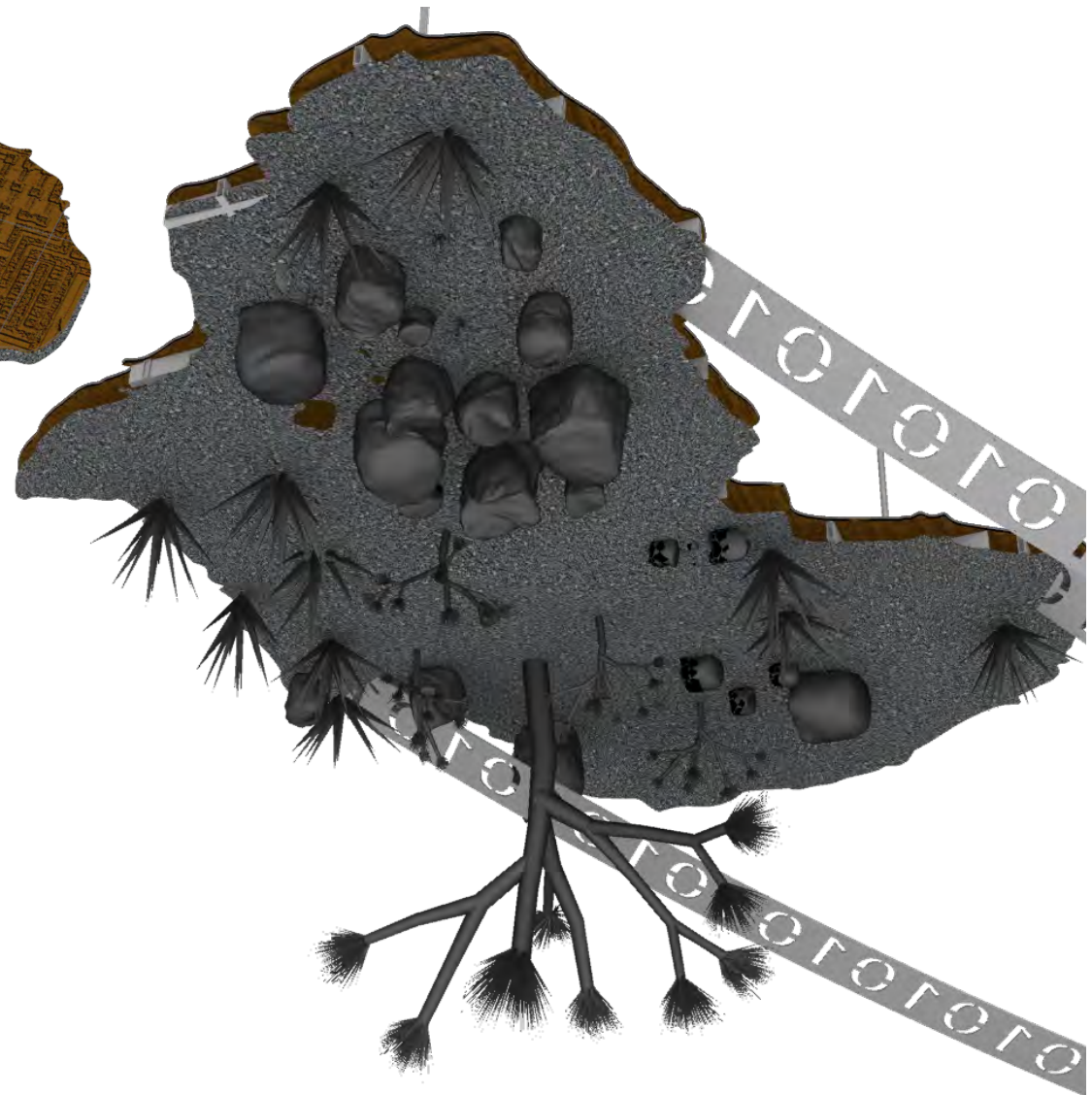


TERRA TECHNE
Africa | California Desert

Overall dimensions: 12' 9" x 12'
Tree height: 5' 2"

top view

bottom view

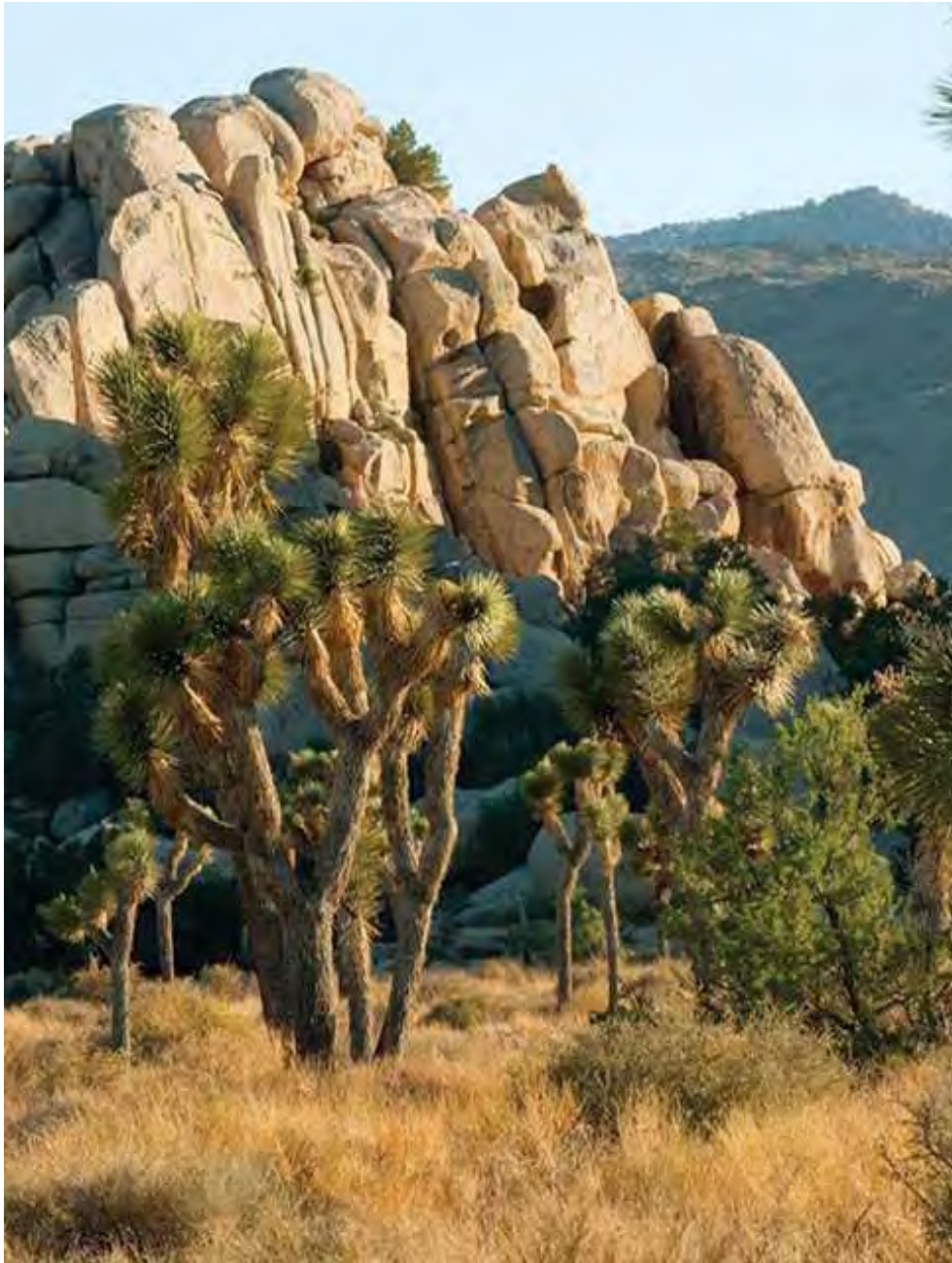


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TERRA TECHNE

Africa | California Desert



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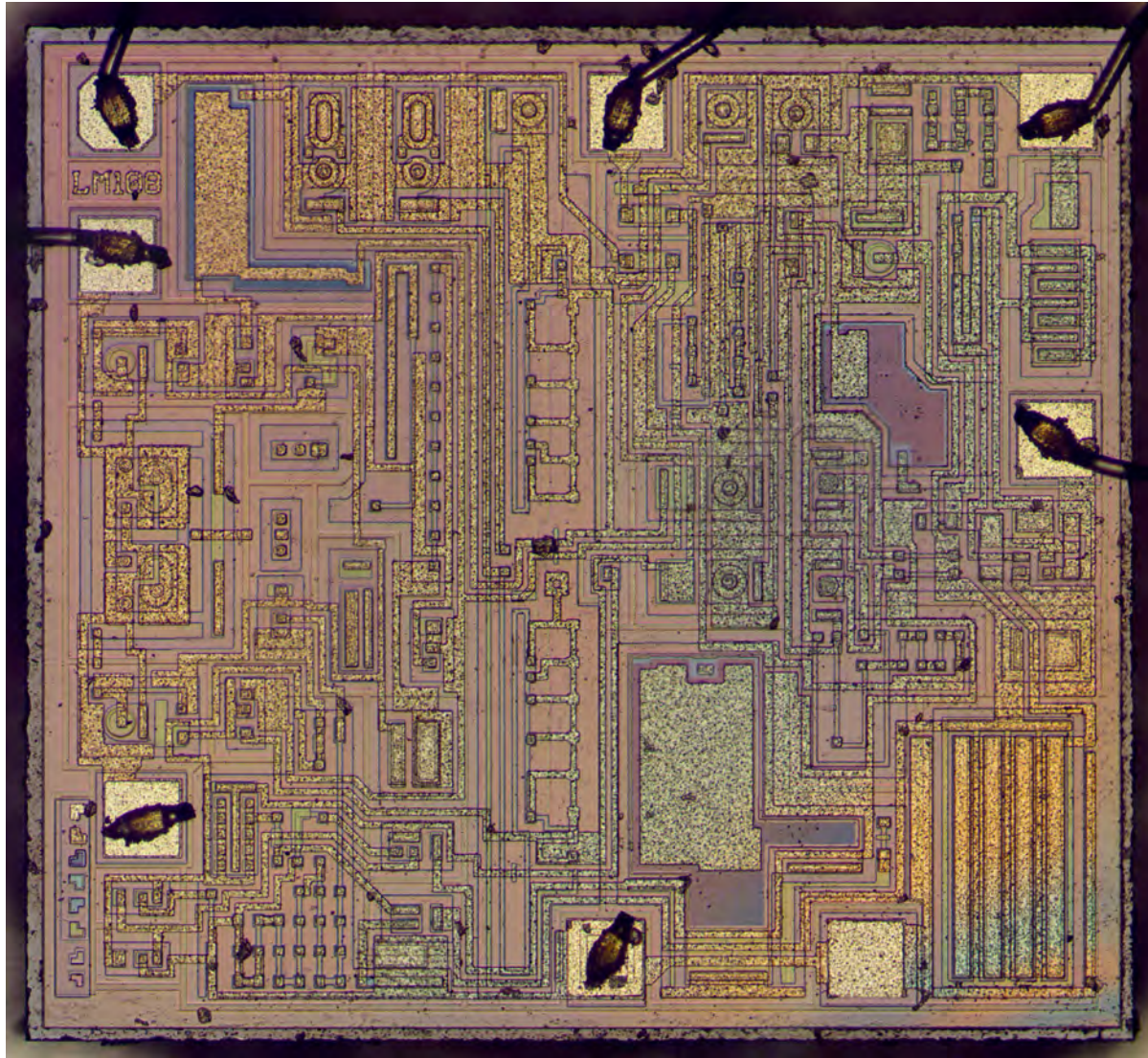


SFAC / SFO Terminal One Suspended Sculpture

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Africa | Circuit board reference **LM108**

Designed by Bob Widlar in 1969, the LM108 op amp improved upon the 741 which came out a year earlier. This chip uses special superbeta transistors for high performance with a very small input current.



TERRA TECHNE

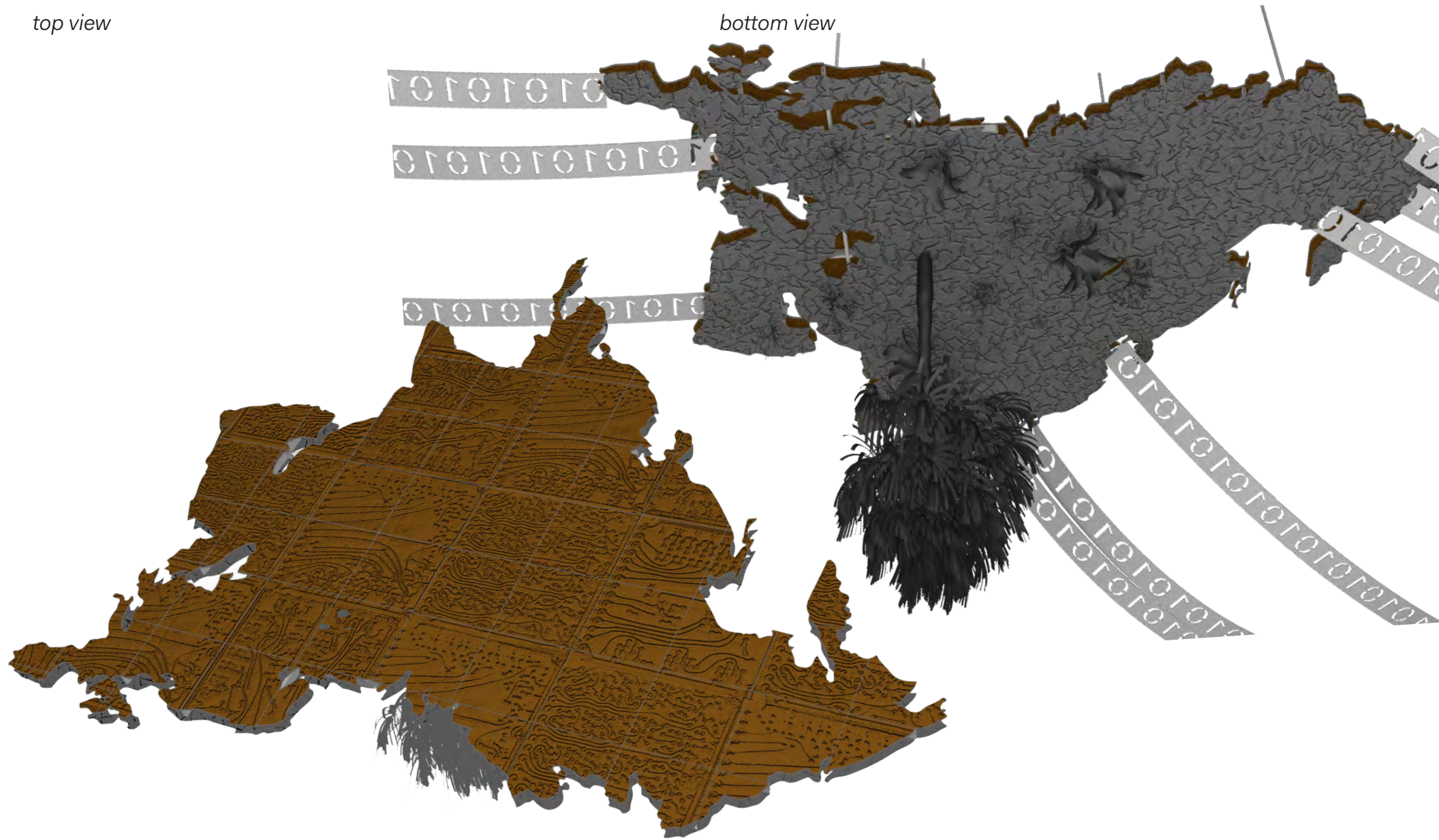
Eurasia | Palm Desert Oasis

Overall dimensions: 21' 6" x 17' 2"

Tree height: 10' 6"

top view

bottom view



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SFAC / SFO Terminal One Suspended Sculpture

TERRA TECHNE

Eurasia | Palm Desert Oasis



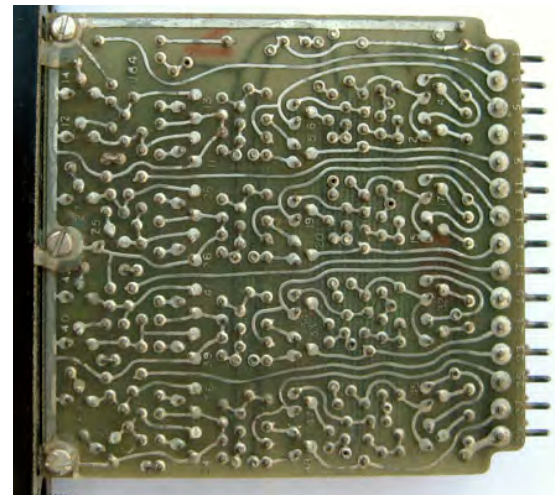
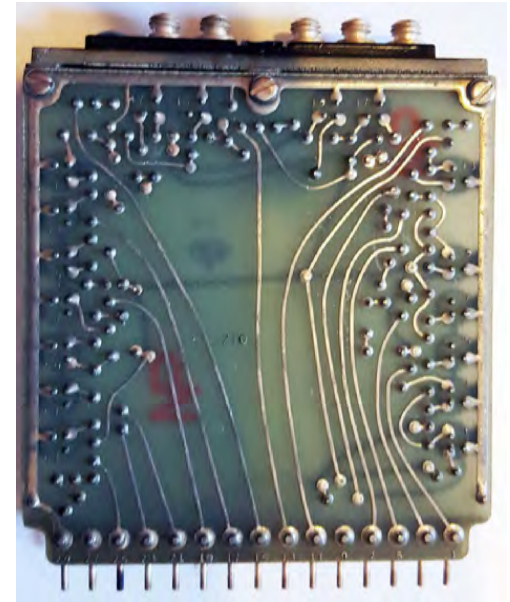
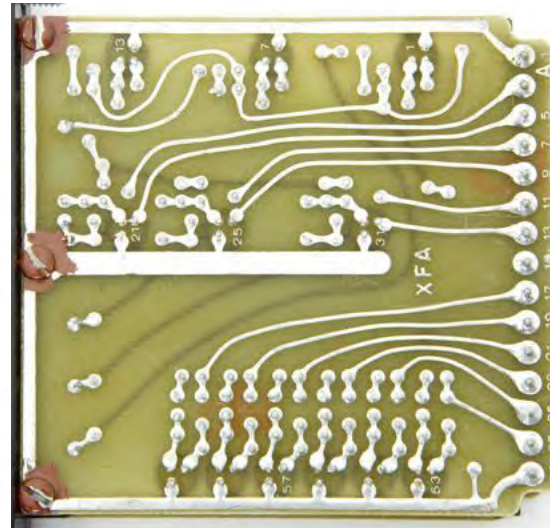
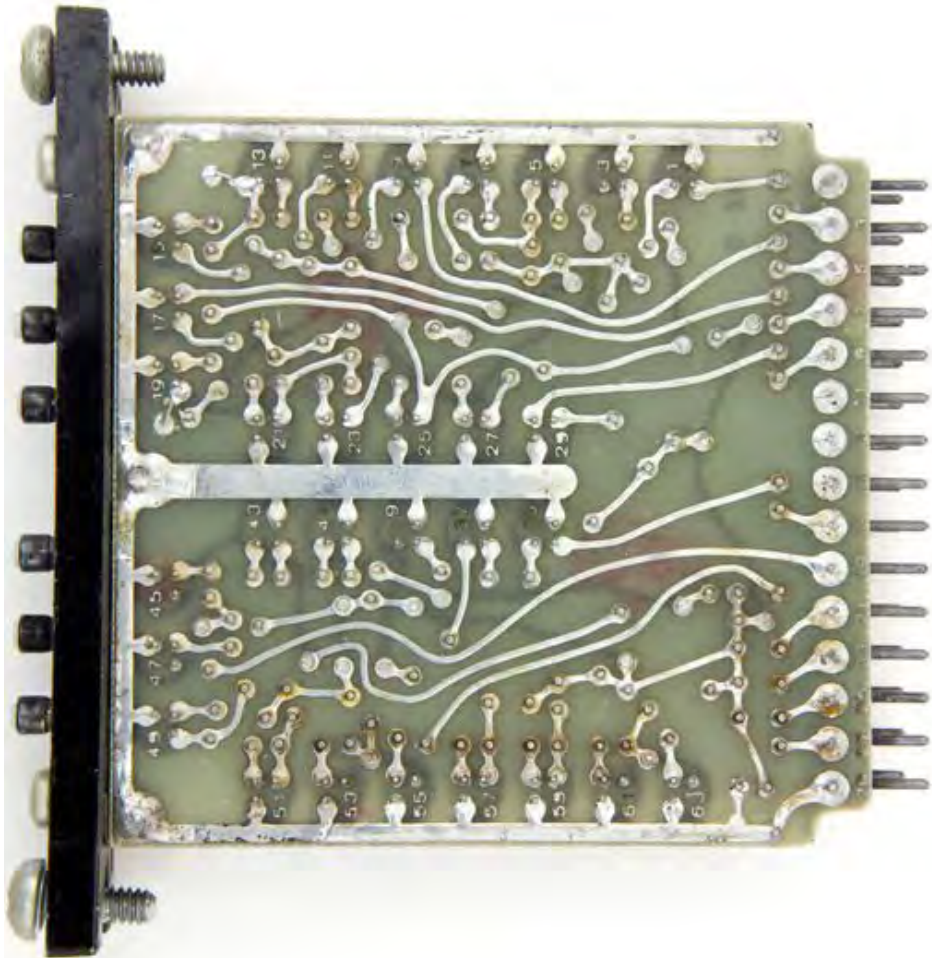
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TERRA TECHNE

Eurasia | Circuit board references **CDC 6600**

The CDC 6600 was the flagship of the 6000 series of mainframe computer systems manufactured by Control Data Corporation. Generally considered to be the first successful supercomputer, it outperformed the industry's prior recordholder, the IBM 7030 Stretch, by a factor of three.



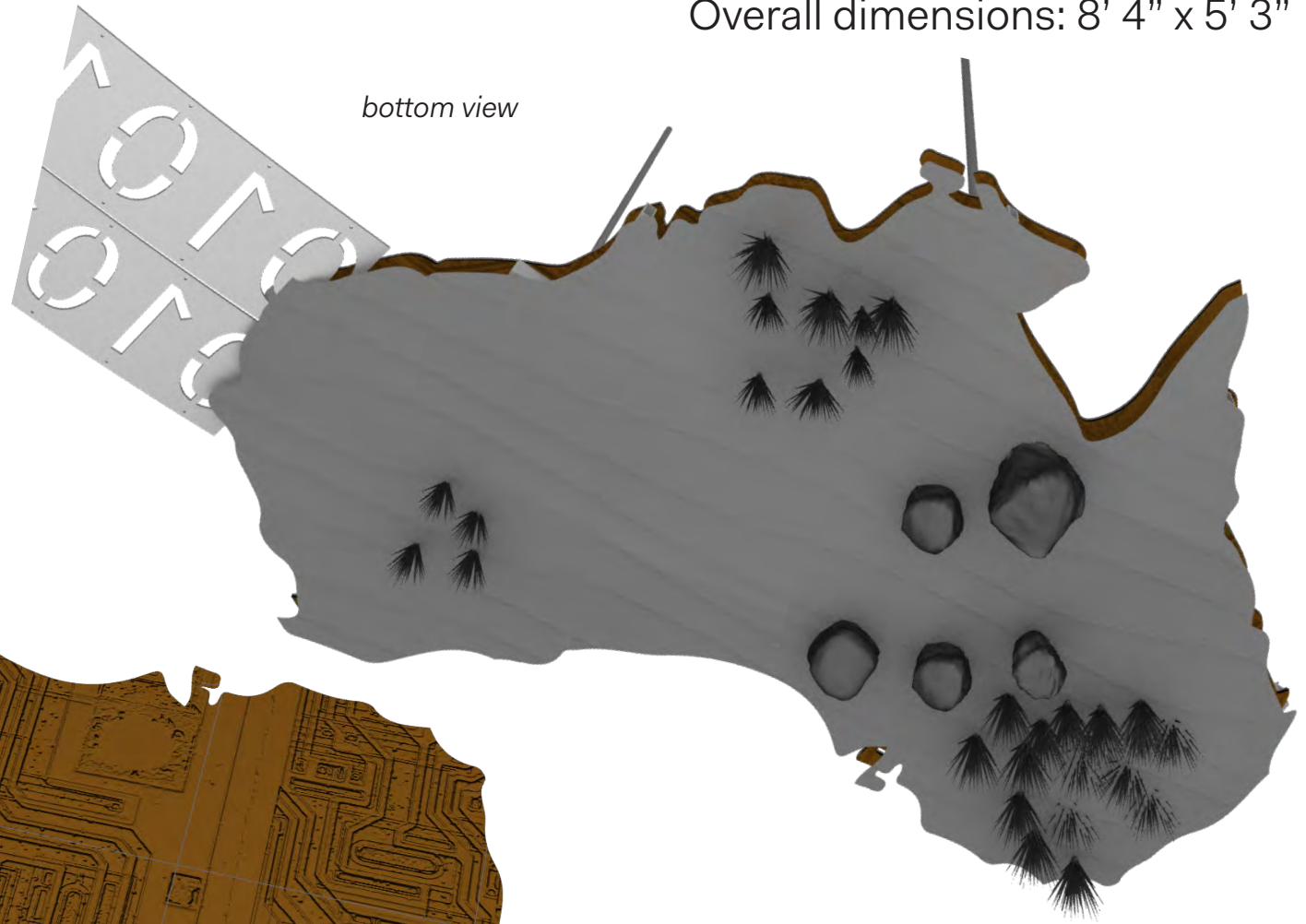
TERRA TECHNE

Australia | Coastal Dunes

top view



bottom view



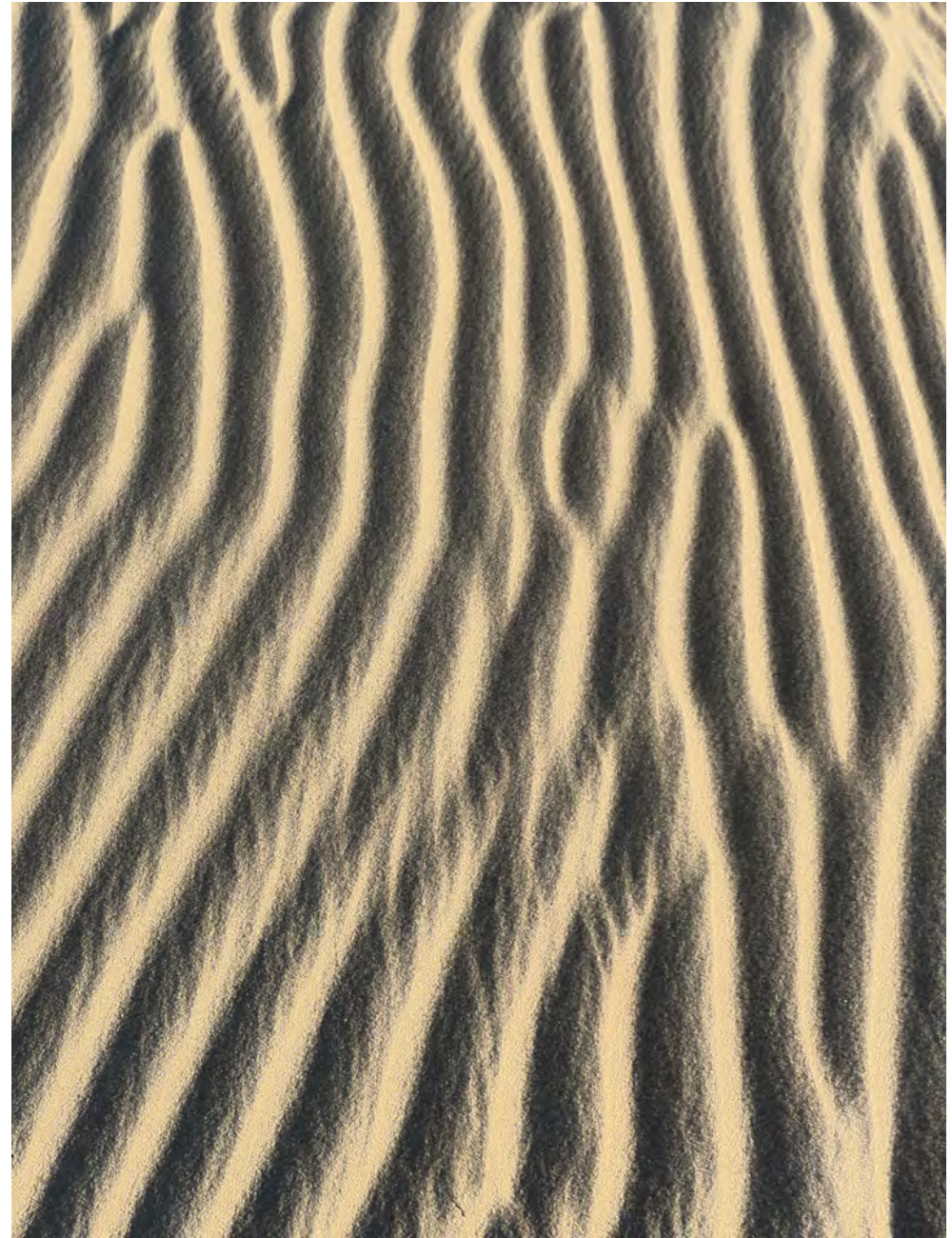
Overall dimensions: 8' 4" x 5' 3"

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SFAC / SFO Terminal One Suspended Sculpture

TERRA TECHNE

Australia | Coastal Dunes



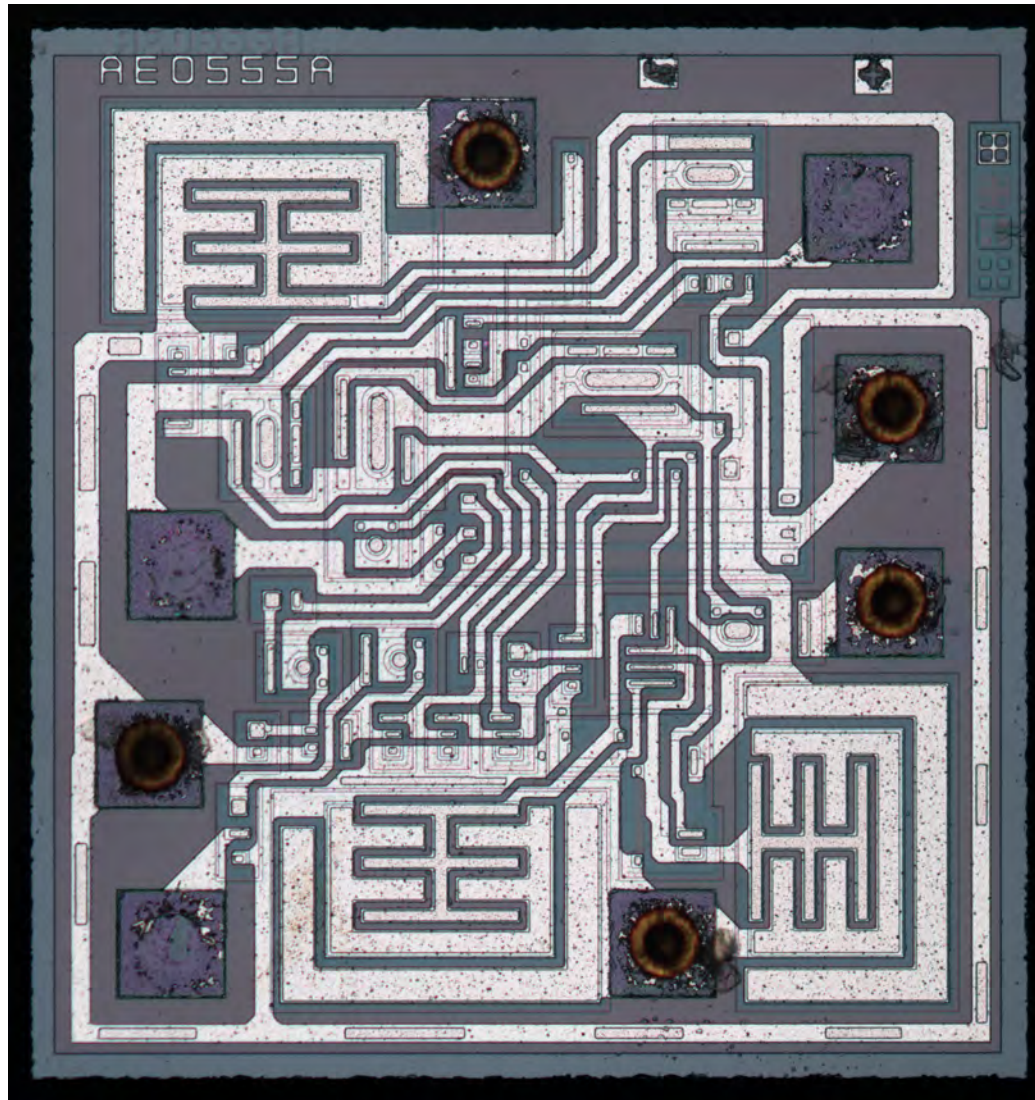
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TERRA TECHNE

Australia | Circuit board reference **LM555CMX**

Fairchild Semiconductor International, Inc. was an American semiconductor company based in San Jose, California. Founded in 1957 as a division of Fairchild Camera and Instrument, it became a pioneer in the manufacturing of transistors and of integrated circuits.



TERRA TECHNE

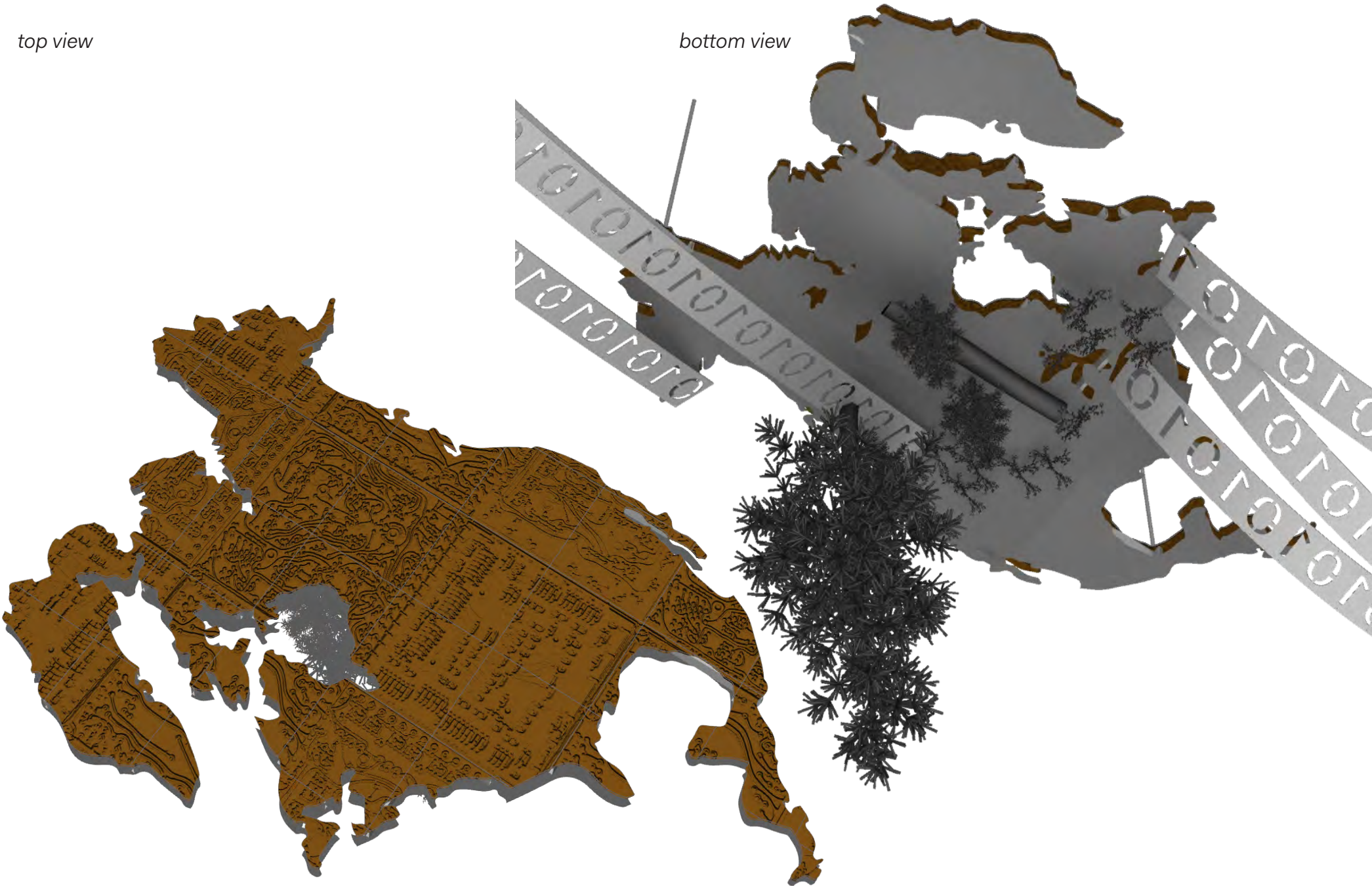
North America | Coniferous Forest

Overall dimensions: 15' 10" x 10' 5"

Tree height: 9'

top view

bottom view



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SFAC / SFO Terminal One Suspended Sculpture

TERRA TECHNE

North America | Coniferous Forest



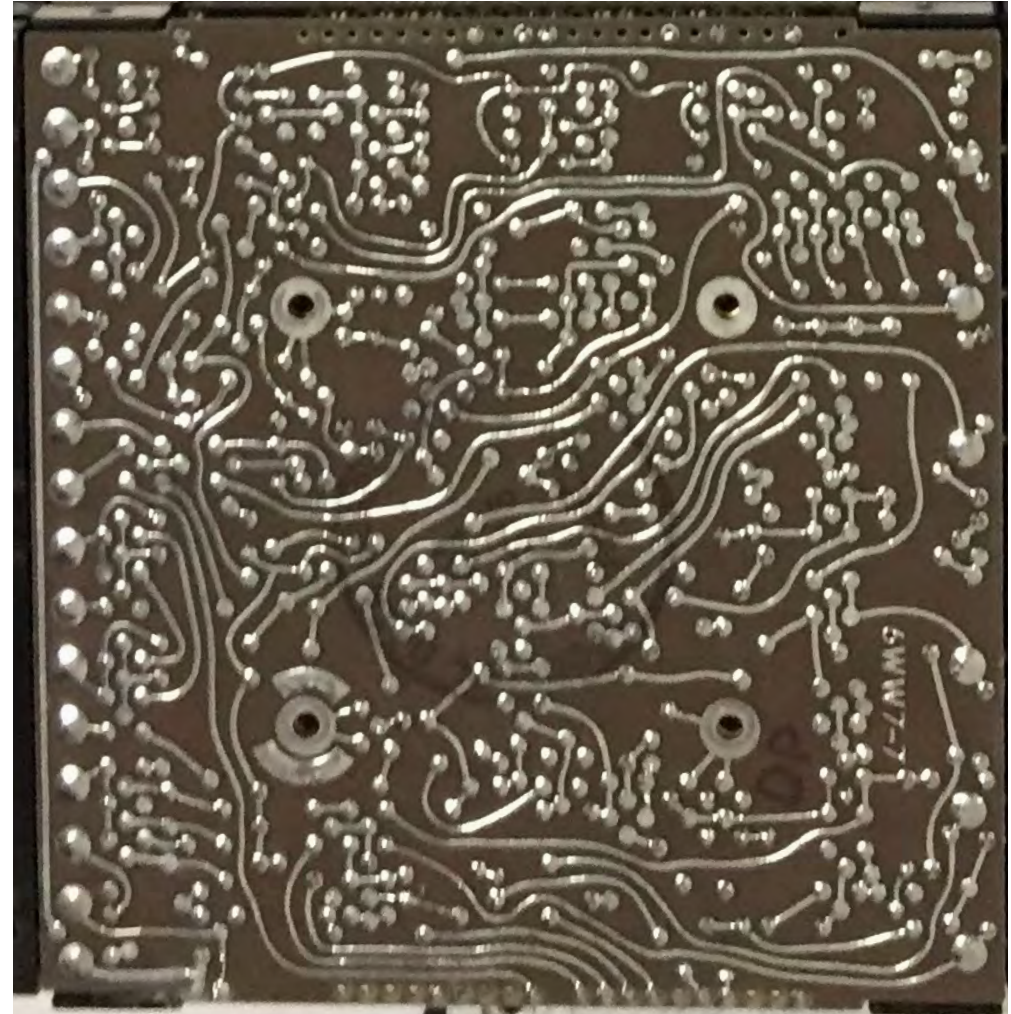
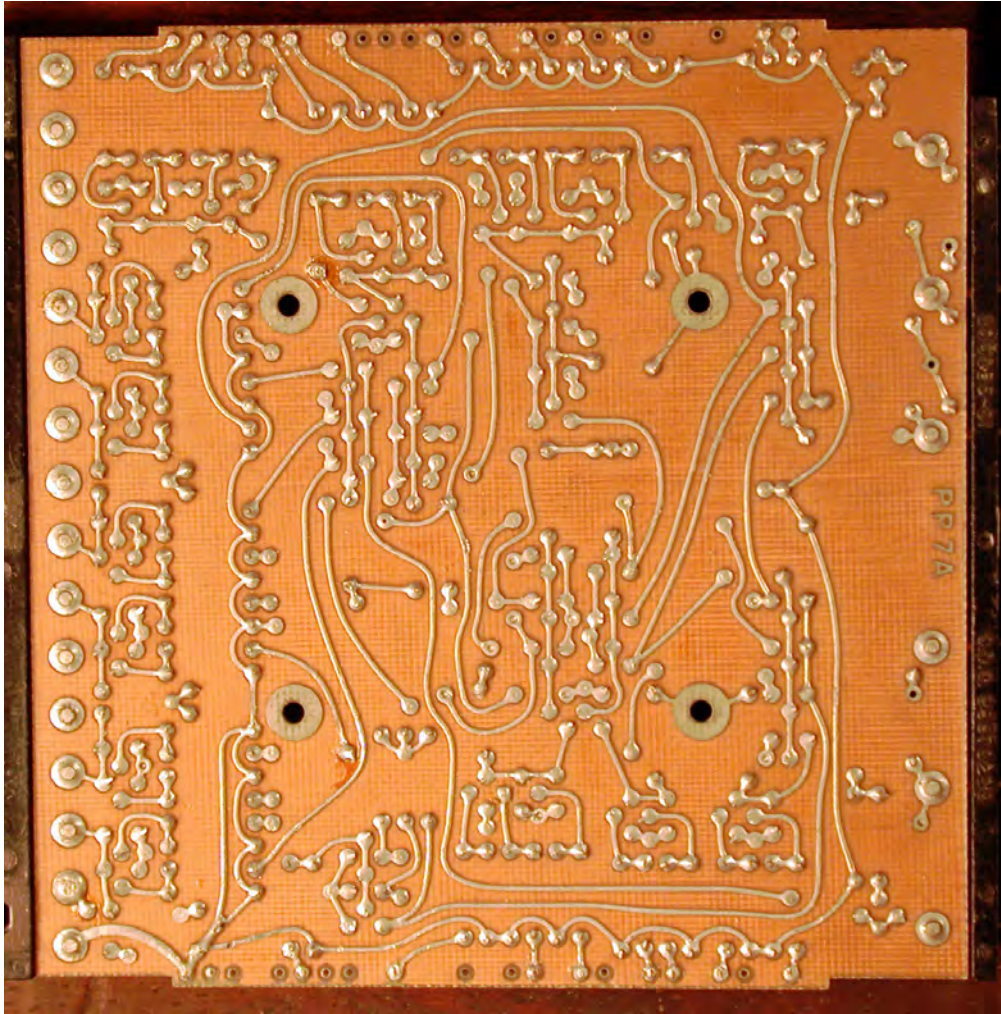
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North America | Circuit board reference **CDC 7600**

The CDC 7600 was the 1972 Seymour Cray-designed successor to the CDC 6600, extending Control Data's dominance of the supercomputer field into the 1970s.



TERRA TECHNE

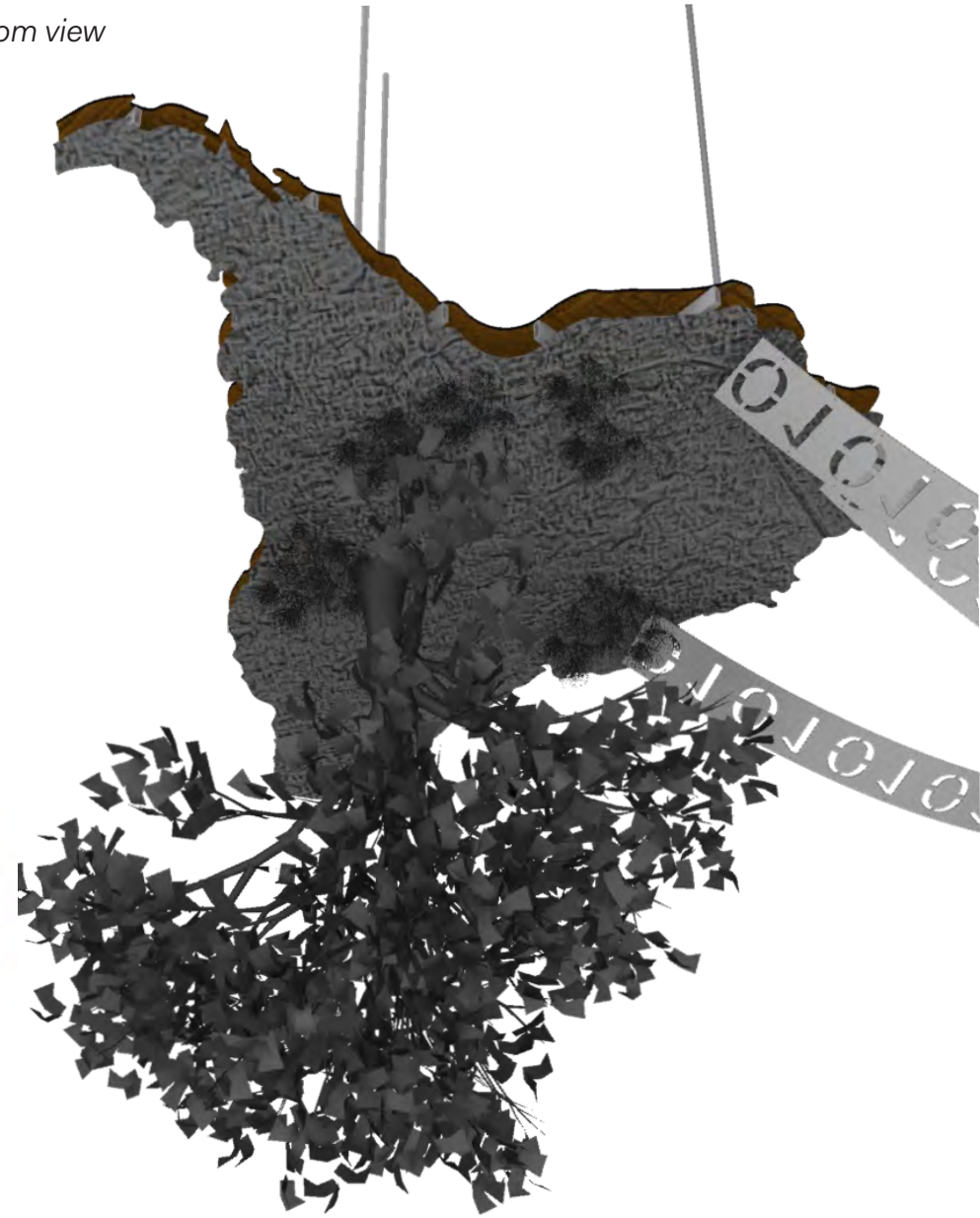
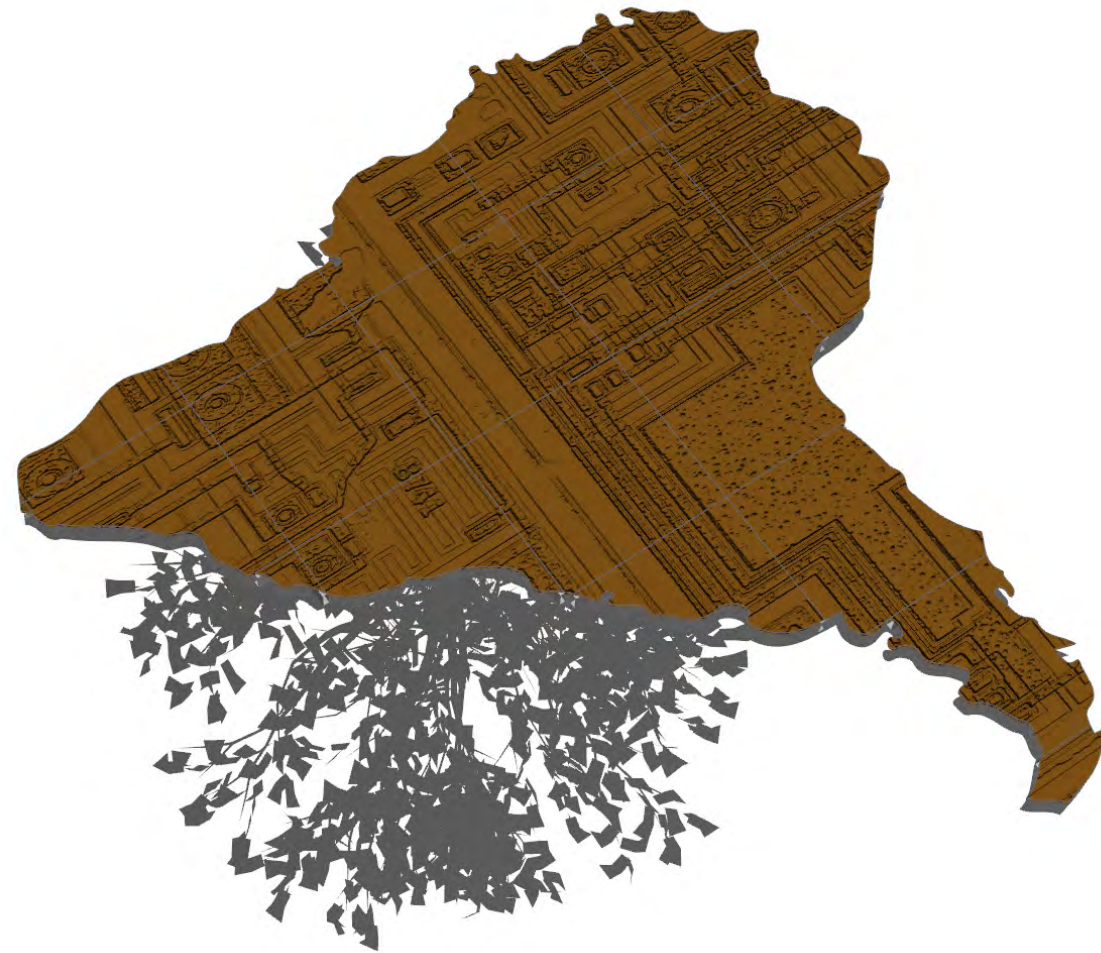
South America | Oak Woodlands

Overall dimensions: 10' 3" x 10' 1"

Tree height: 8'

top view

bottom view



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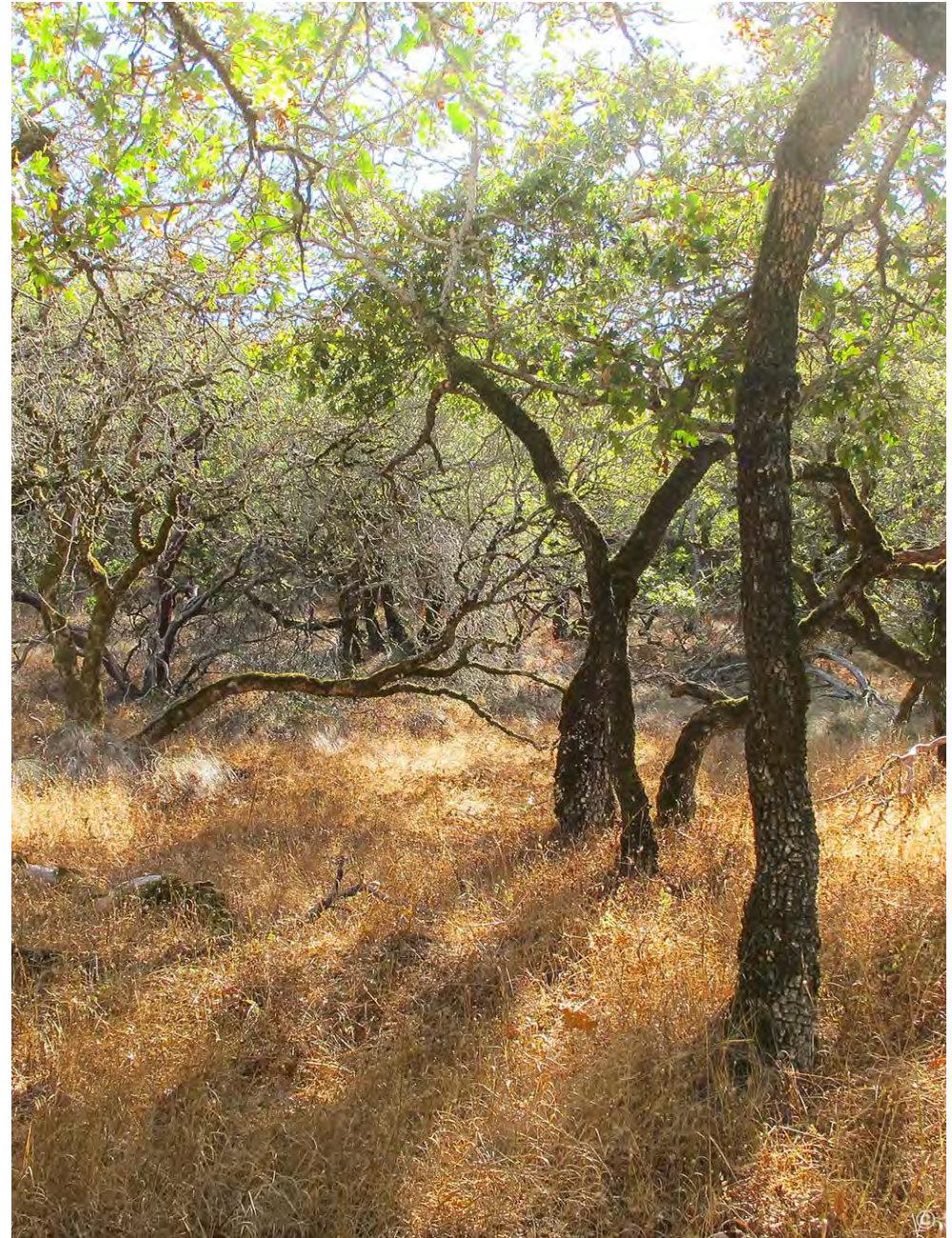
SFAC / SFO Terminal One Suspended Sculpture

TERRA TECHNE

South America | Oak Woodlands



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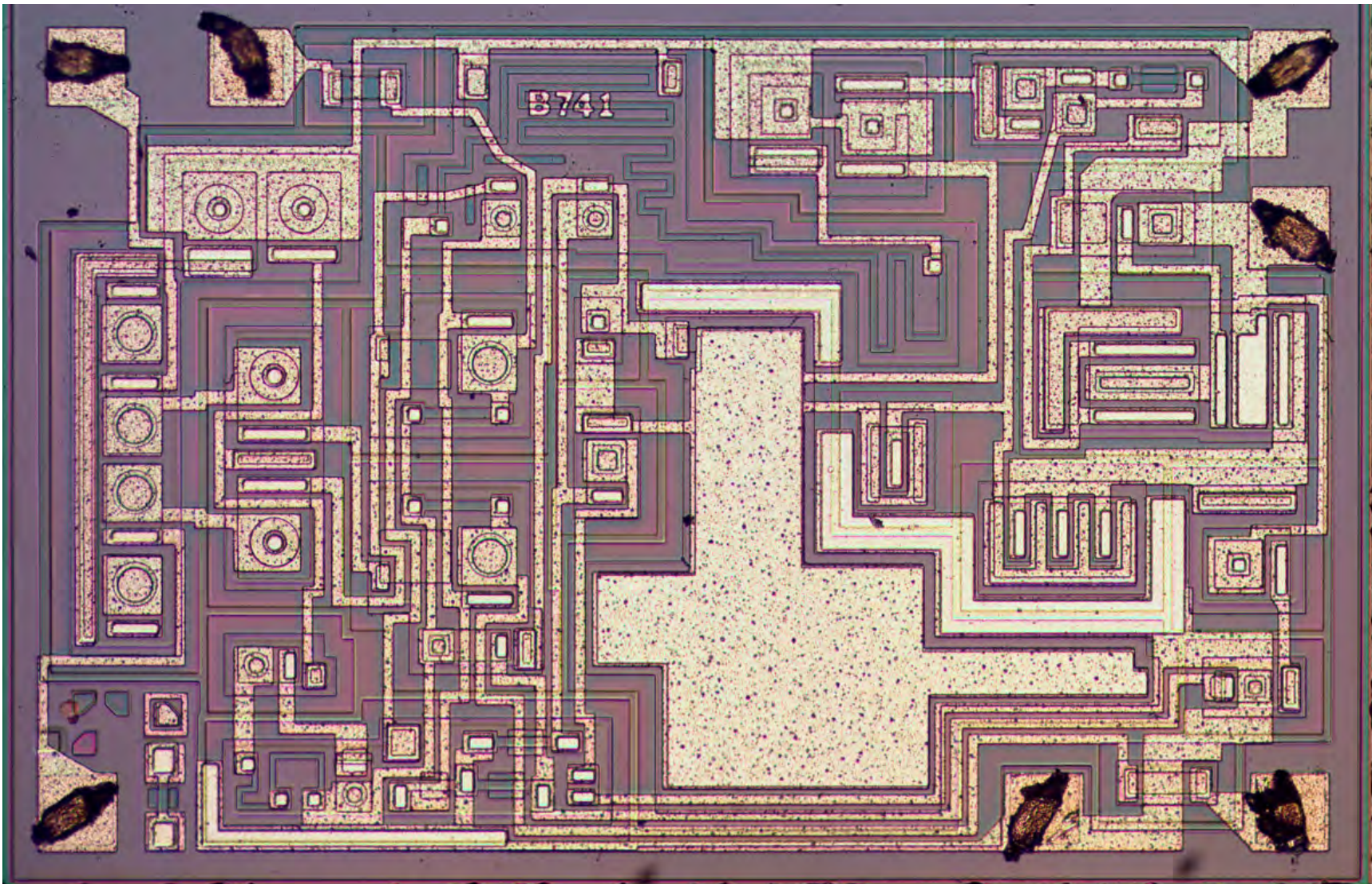


SFAC / SFO Terminal One Suspended Sculpture

TERRA TECHNE

South America | Circuit board reference μ A741 Op-Amp

Designed by David Fullagar for Fairchild Semiconductor in 1968, this chip became the de facto standard for analog amplifier ICs. Still in production, it's available everywhere there are electronics.



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Materials: Ceramic



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SFAC / SFO Terminal One Suspended Sculpture

TERRA TECHNE

Materials: Ceramic (glaze test 1)



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SFAC / SFO Terminal One Suspended Sculpture

TERRA TECHNE

Materials: Ceramic (glaze test 2)



liz glynn studio

SFAC / SFO Terminal One Suspended Sculpture

TERRA TECHNE

Materials: Ceramic (glaze test 3)



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SFAC / SFO Terminal One Suspended Sculpture

TERRA TECHNE

Materials: Ceramic (unglazed)



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TERRA TECHNE

Materials: Cast stainless steel



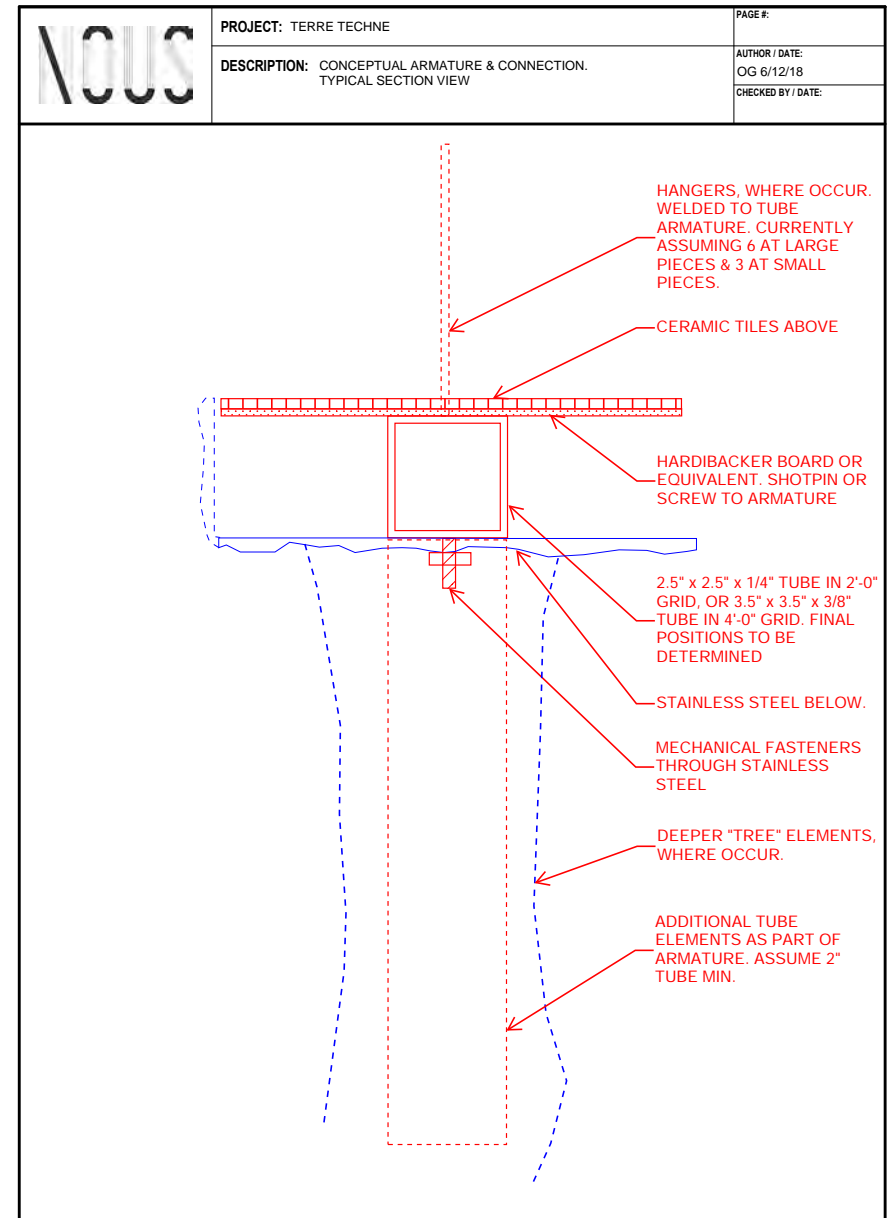
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TERRA TECHNE

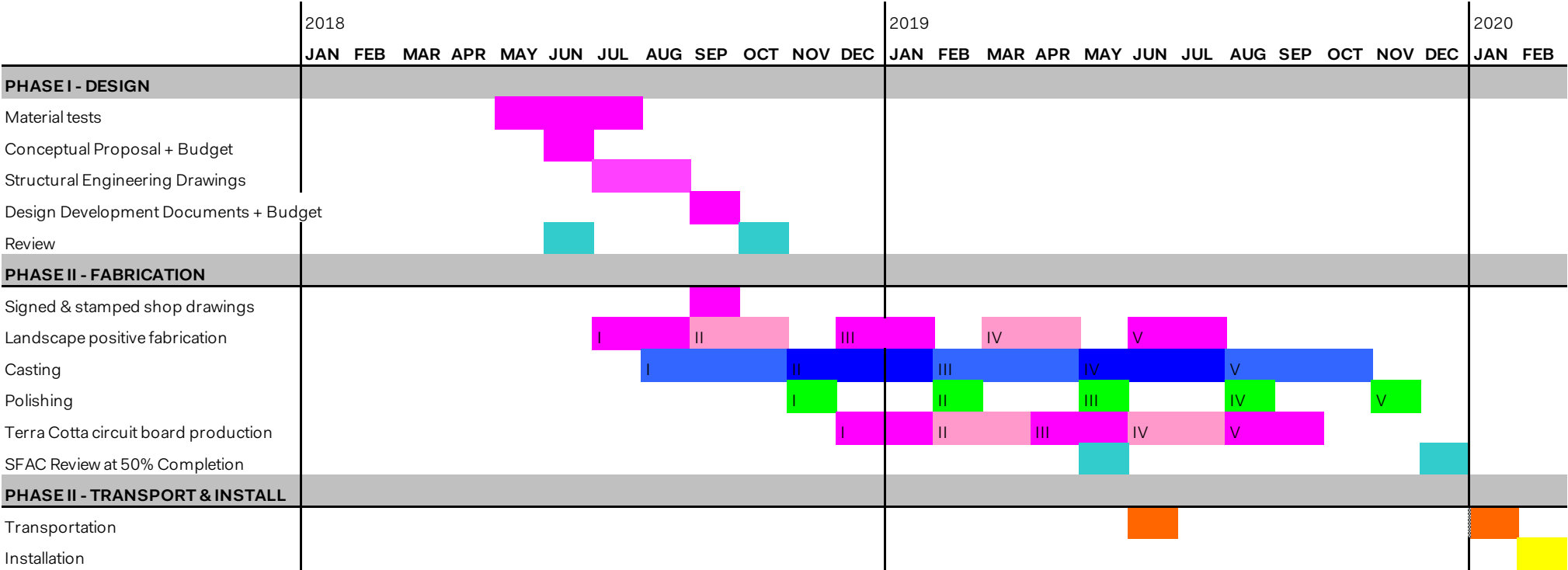
Island weights & Armature specs

	LBS
Africa CA Desert	2,982
Eurasia Palm Desert Oasis	4,994
Australia Coastal Dunes	1,453
North America Coniferous Forest	3,183
South America Oak Woodlands	1,485



PRODUCTION TIMELINE

KEY



BUDGET

	ESTIMATE
Design	
Artist Fee	163,000
Travel	5,000
Insurance	3,000
Structural Engineering	15,000
Implementation	
Modeling & Mold-making Materials	10,000
Terracotta paperclay	5,000
Studio Assistance - Ceramic Building	54,000
Studio Assistance - Modeling and Mold-making	40,800
Digital Assistance	3,000
Stainless Steel foundry work - Art Bronze	346,200
Stainless Steel polishing - General Brite	30,000
Transportation	
Artex	70,000
Contingency	55,000
TOTAL PROJECT BUDGET	800,000

