RIPPLE

CLEARWATER CITY HALL

Proposal by Art & Contraptions

ABOUT

Captivated by the interplay of geometry, materials, and nature, I'm passionate about crafting artworks that bridge art, technology, and the environment, while inspiring connection and contemplation.

By merging traditional craftsmanship with innovative methods and through the spirit of collaboration, the goal is to create visually striking pieces that positively impact our world.

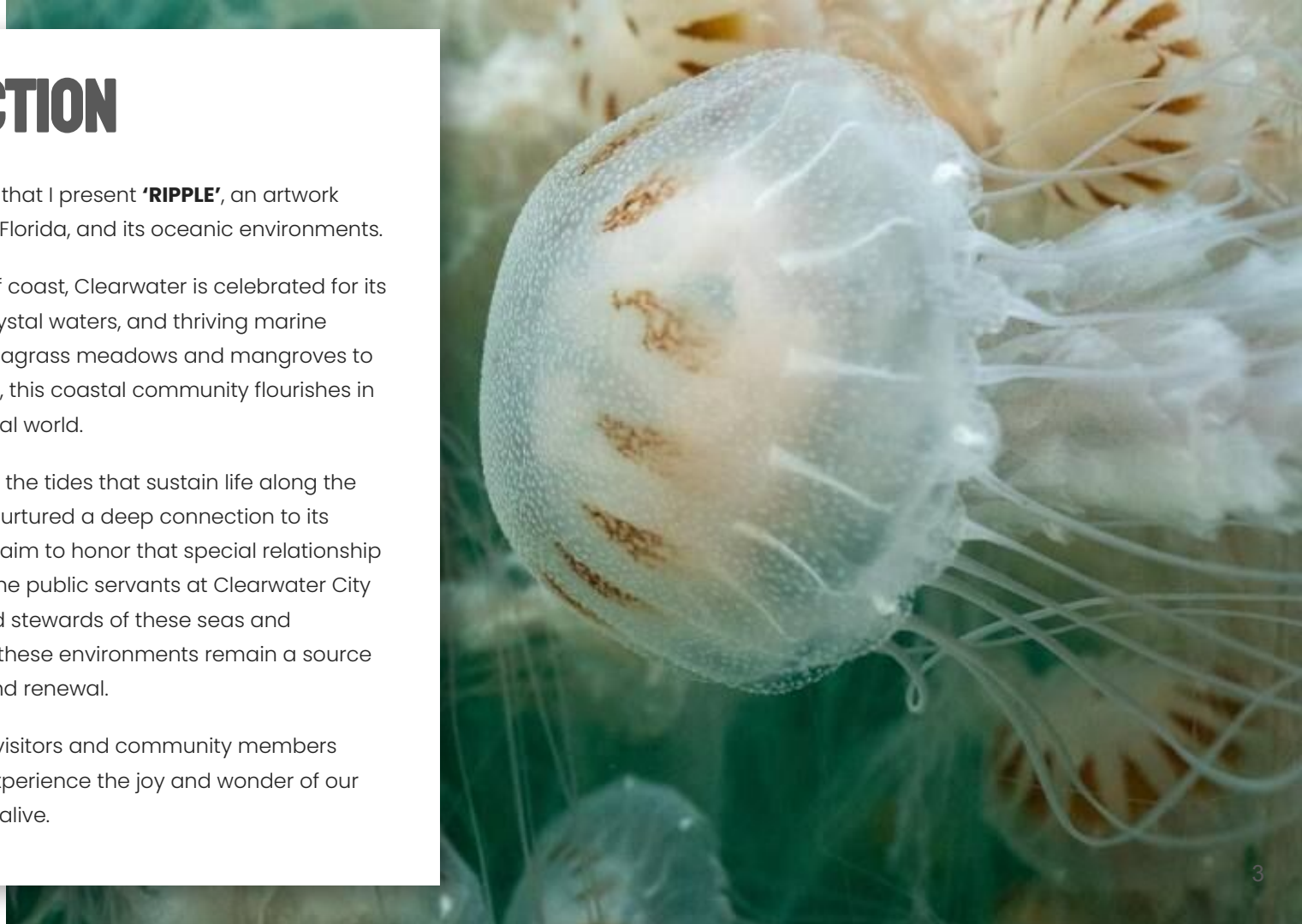
INTRODUCTION

It is with great pleasure that I present **‘RIPPLE’**, an artwork inspired by Clearwater, Florida, and its oceanic environments.

Nestled on Florida’s Gulf coast, Clearwater is celebrated for its white sand beaches, crystal waters, and thriving marine ecosystems. From its seagrass meadows and mangroves to its dolphins and jellyfish, this coastal community flourishes in harmony with the natural world.

Like the ebb and flow of the tides that sustain life along the shore, Clearwater has nurtured a deep connection to its waters. With ‘RIPPLE’, we aim to honor that special relationship and the work done by the public servants at Clearwater City Hall. They are dedicated stewards of these seas and communities, ensuring these environments remain a source of wonder, resilience, and renewal.

The artwork welcomes visitors and community members alike, inviting them to experience the joy and wonder of our natural realms coming alive.



CONCEPTS

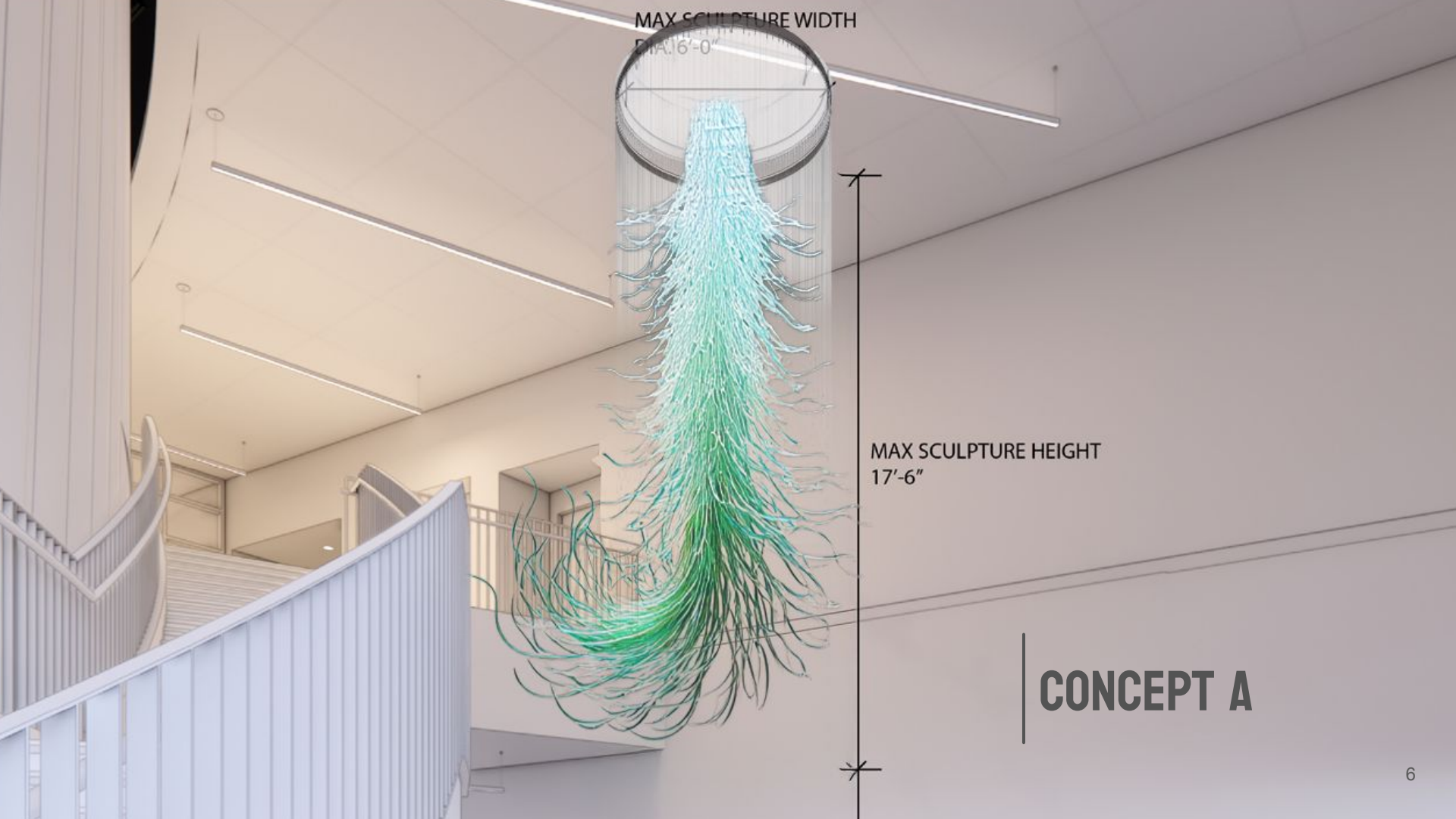
DESIGN INSPIRATION

The following slides show two variations of the ‘RIPPLE’ concept for your consideration.

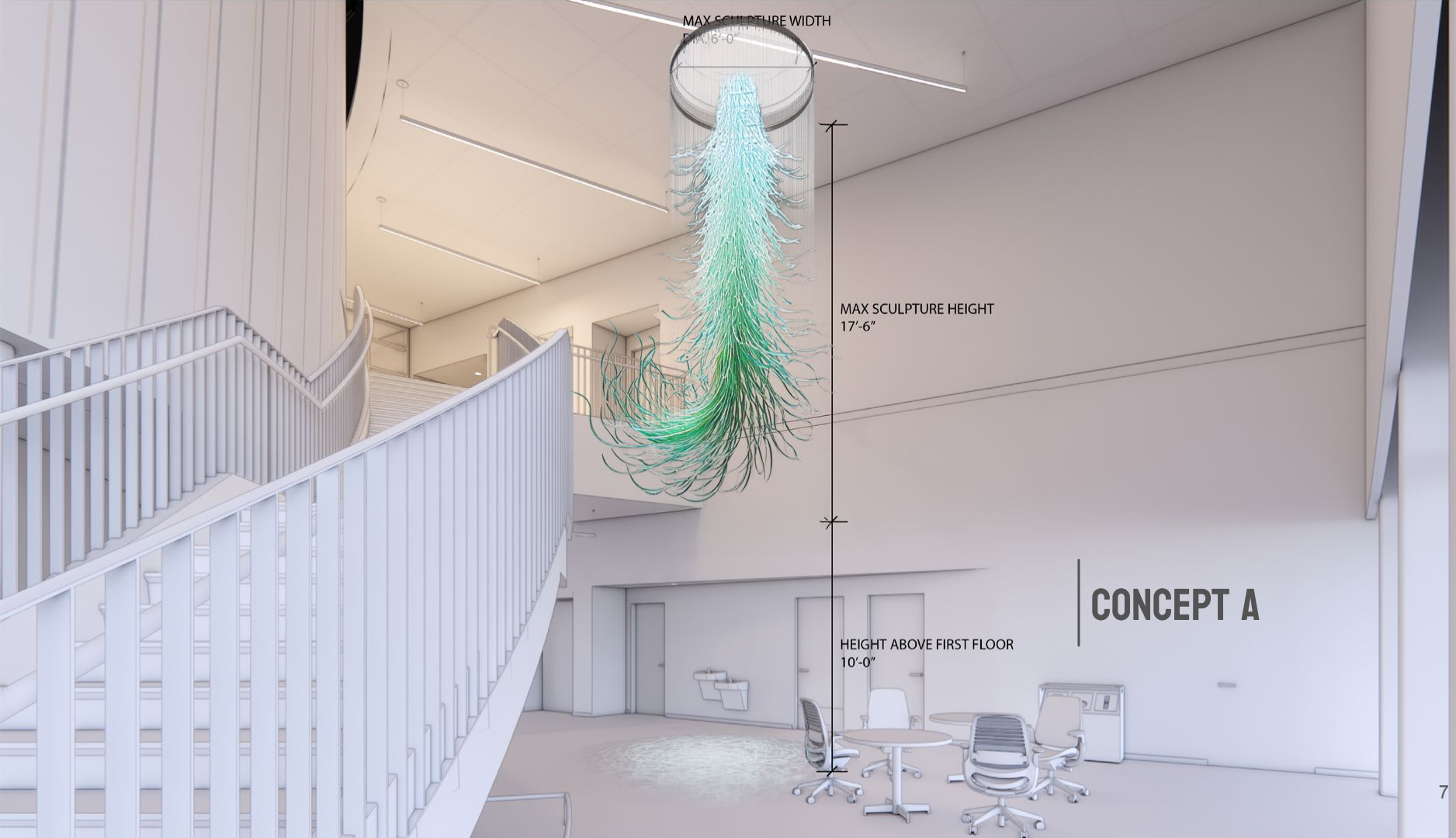
In each, delicate metal work is paired with translucent and iridescent materials that seemingly float in the air. Organic curvatures create a living form, with elegant lighting breathing another dimension into the dynamic work. Playful, twinkling reflections are cast onto the floor below.

As visitors enter the space and gaze upward, the sculpture aims to evoke feelings of curiosity, tranquility, inspiration, and connection. The experience is akin to a diver discovering a hidden kelp forest or a drifting swarm of jellyfish as sun rays beam through the water’s surface above.

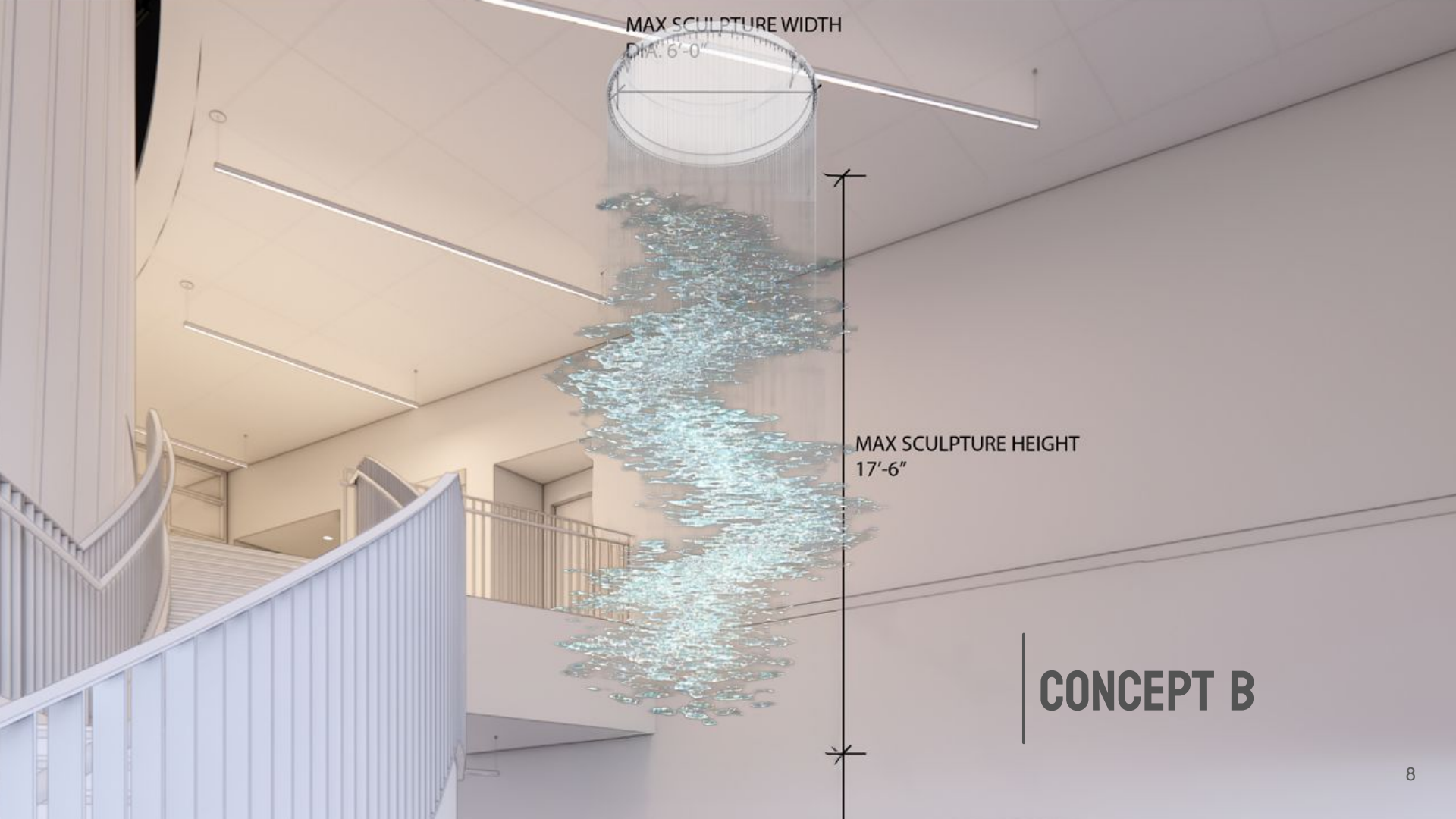
Nature, art, and humanity converge here,
creating a compelling visual narrative that resonates with the heart of Clearwater.



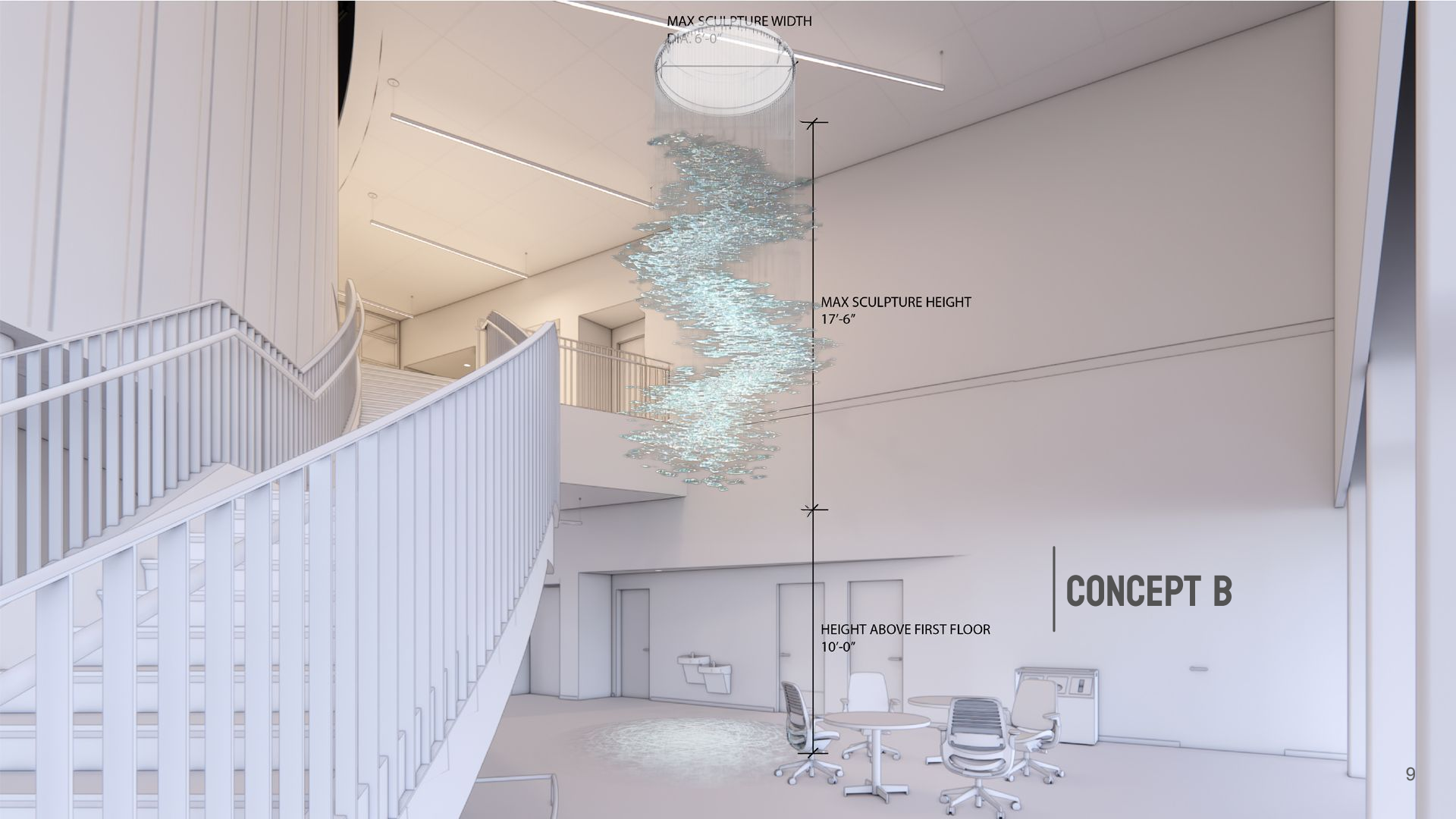
CONCEPT A


MAX SCULPTURE WIDTH
DIA 16'-0"
MAX SCULPTURE HEIGHT
17'-6"
HEIGHT ABOVE FIRST FLOOR
10'-0"

CONCEPT A

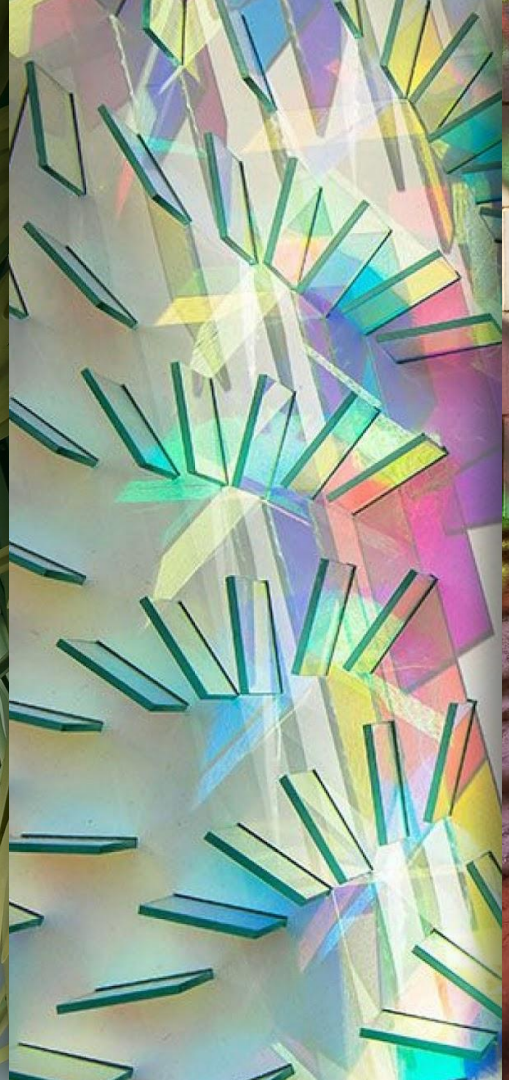


CONCEPT B


MAX SCULPTURE WIDTH
DIA. 6'-0"
MAX SCULPTURE HEIGHT
17'-6"
HEIGHT ABOVE FIRST FLOOR
10'-0"

CONCEPT B


INSPIRATION



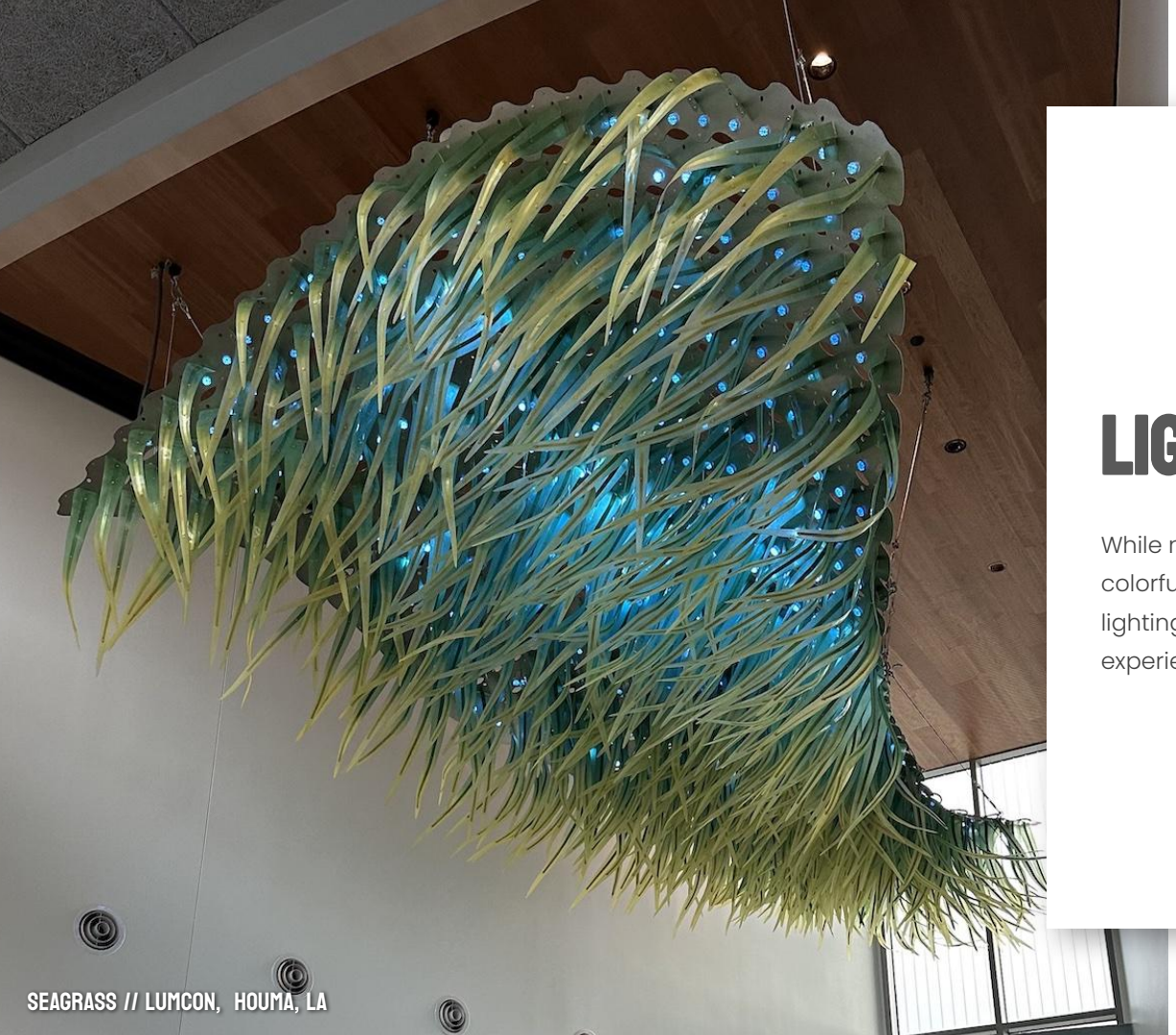
PLANNED MATERIALS

We utilize LEED certified green materials and develop processes to reduce and reuse waste materials wherever possible.

Primary Materials:
Stainless steel, aluminum tubing, PETG, acrylic

Anchoring System:
Steel cable connections and leveling hardware

Additional Materials:
Protective barriers during installation, LED lighting and control system



SEAGRASS // LUMCON, HOUMA, LA

LIGHTING DESIGN

While natural sunlight will interact with the sculpture's colorful materials beautifully during the day, LED lighting transforms the sculpture into a dramatic experience at night.

BUDGET & TIMELINE

TENTATIVE TIMELINE (1 OF 2)

Please note that contract must be signed and initial deposit must be received to begin work. Completion timeline is dependent on approval timings, engineering analysis, site conditions, and materials/labor availability.

I. Month 1 -3 | Design Development
   - Feedback Integration: Revisions based on feedback, finalization of design direction
   - Final Design: Completion of detailed CAD drawings and 3D models,
   - Design Approval: Obtain necessary approvals from stakeholders and regulatory bodies

II. Month 4-6 | Engineering
   - Engineering Analysis: Structural engineer conducts load analysis and safety assessments.
   - Preliminary Calculations: Initial structural calculations and material specifications.
   - Detailed Engineering Drawings: Creation of detailed structural and fabrication drawings.
   - Review and Approval: Review of engineering plans by relevant authorities and stakeholders.
   - Final Engineering Sign-Off

TENTATIVE TIMELINE (2 OF 2)

III. Month 7-11 | Fabrication
- Material Procurement: Sourcing and inspection of all required materials.
- Workshop Preparation: Setup of fabrication workshop and tools.
- Cutting and Shaping: CNC cutting of steel sheets and shaping of components.
- Welding and Assembly: Welding of components and preliminary assembly in the workshop
- Surface Treatment: Sandblasting and application of protective coatings.
- Quality Control: Inspection of fabricated components for quality and adherence to specifications.
- Final Assembly: Partial assembly to ensure fit and finish, preparation for transportation.

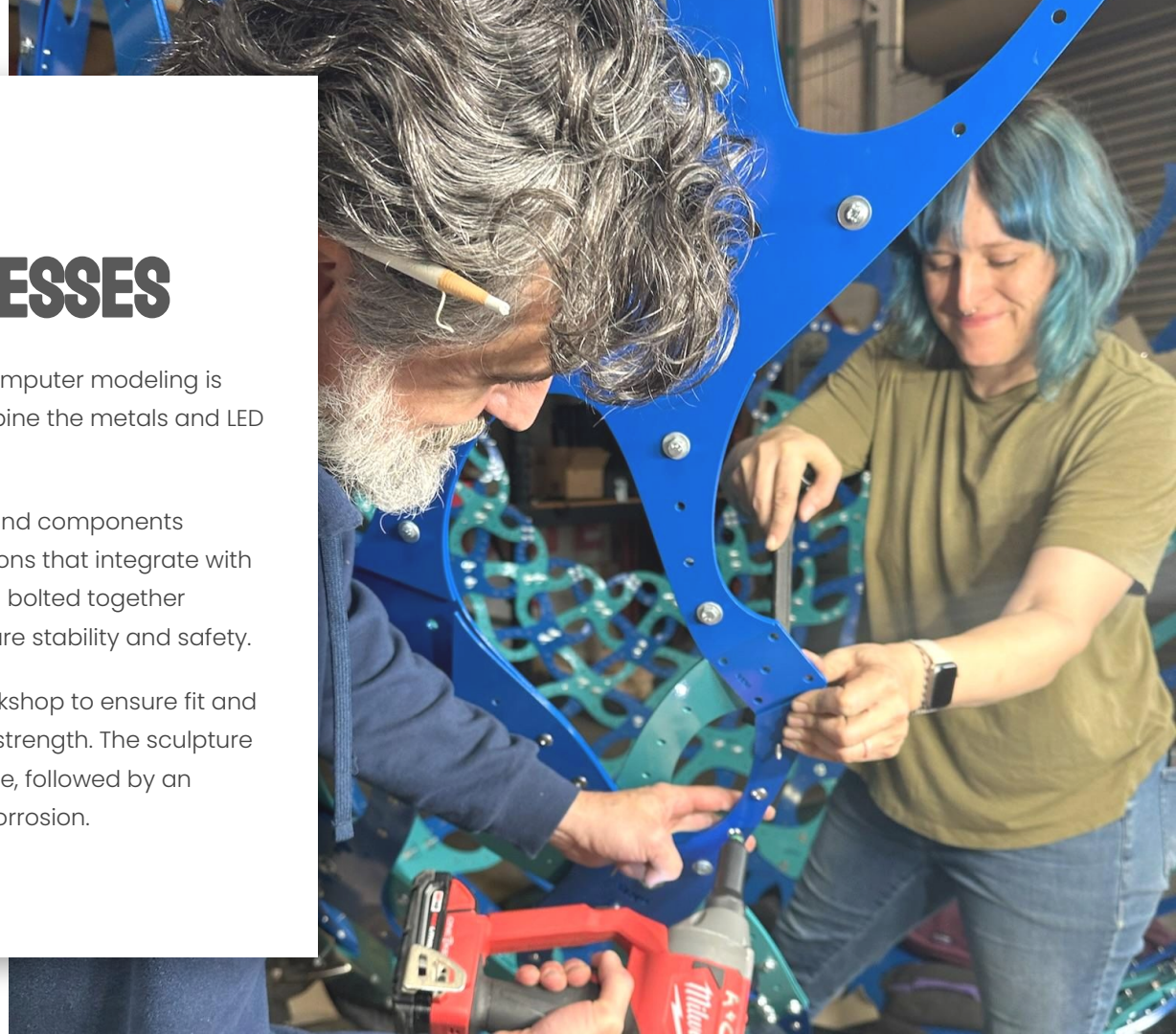
Iv. Month 12 | Installation
- Transportation: Shipping of sculpture components to the installation site using flatbed trucks.
- Staging: Setup of variable reach forklift and other necessary equipment on-site.
- Installation: Assembly and erection of the sculptures
- Final Adjustments: Fine-tuning the installation, ensuring stability and alignment.
- Site Restoration: Removal of barriers and final site cleanup.
- Project Handover: Final inspection and handover of the completed sculptures to the client and public.

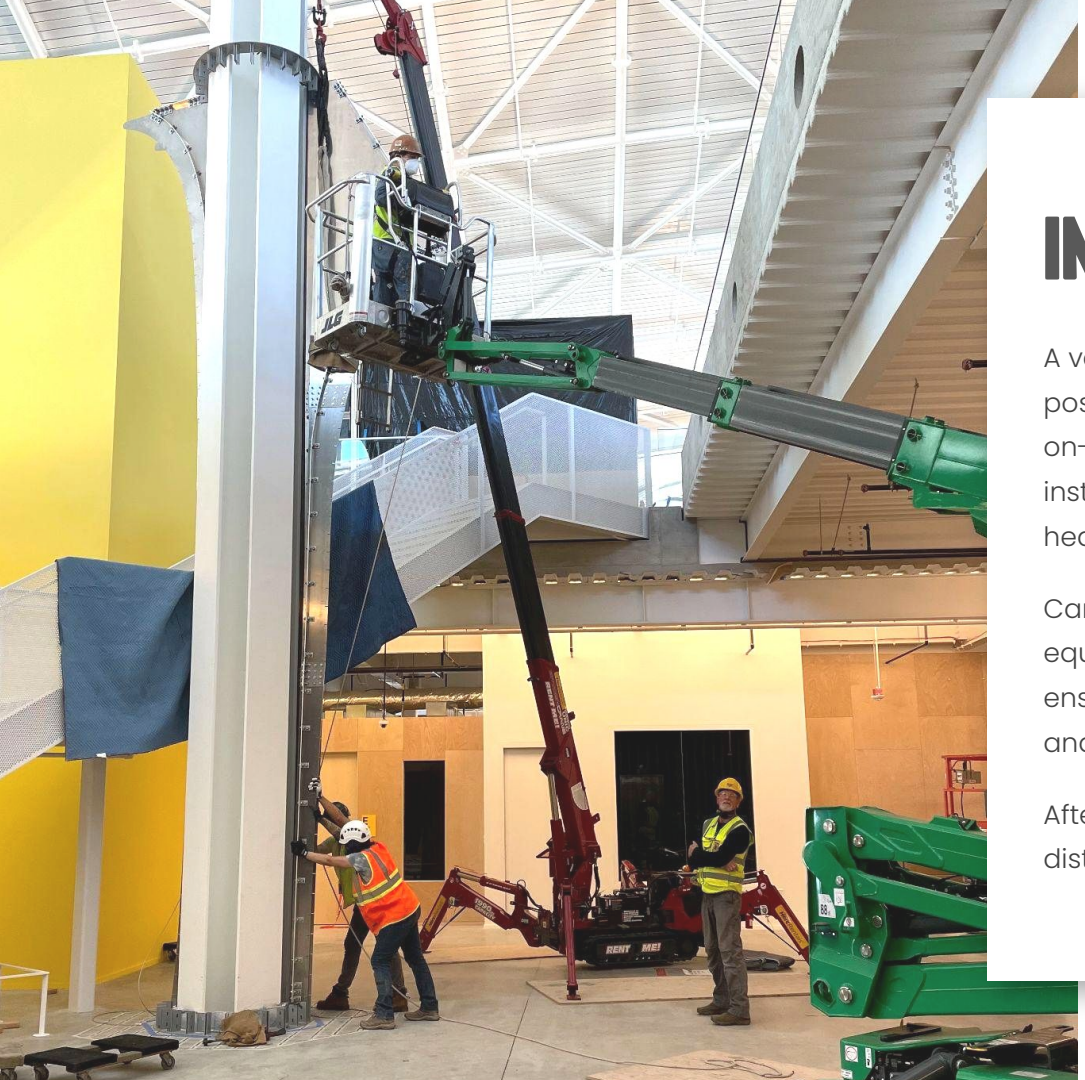
FABRICATION PROCESSES

To create these magical forms, parametric computer modeling is used to develop efficient processes that combine the metals and LED lighting..

Metal sheets are cut using CNC laser cutters and components welded together to create structural connections that integrate with structural tubes. Components are welded and bolted together following detailed engineering plans that ensure stability and safety.

The structure is partially assembled in the workshop to ensure fit and finish, with all welds inspected for quality and strength. The sculpture then undergoes processes to clean the surface, followed by an application of protective coating to prevent corrosion.



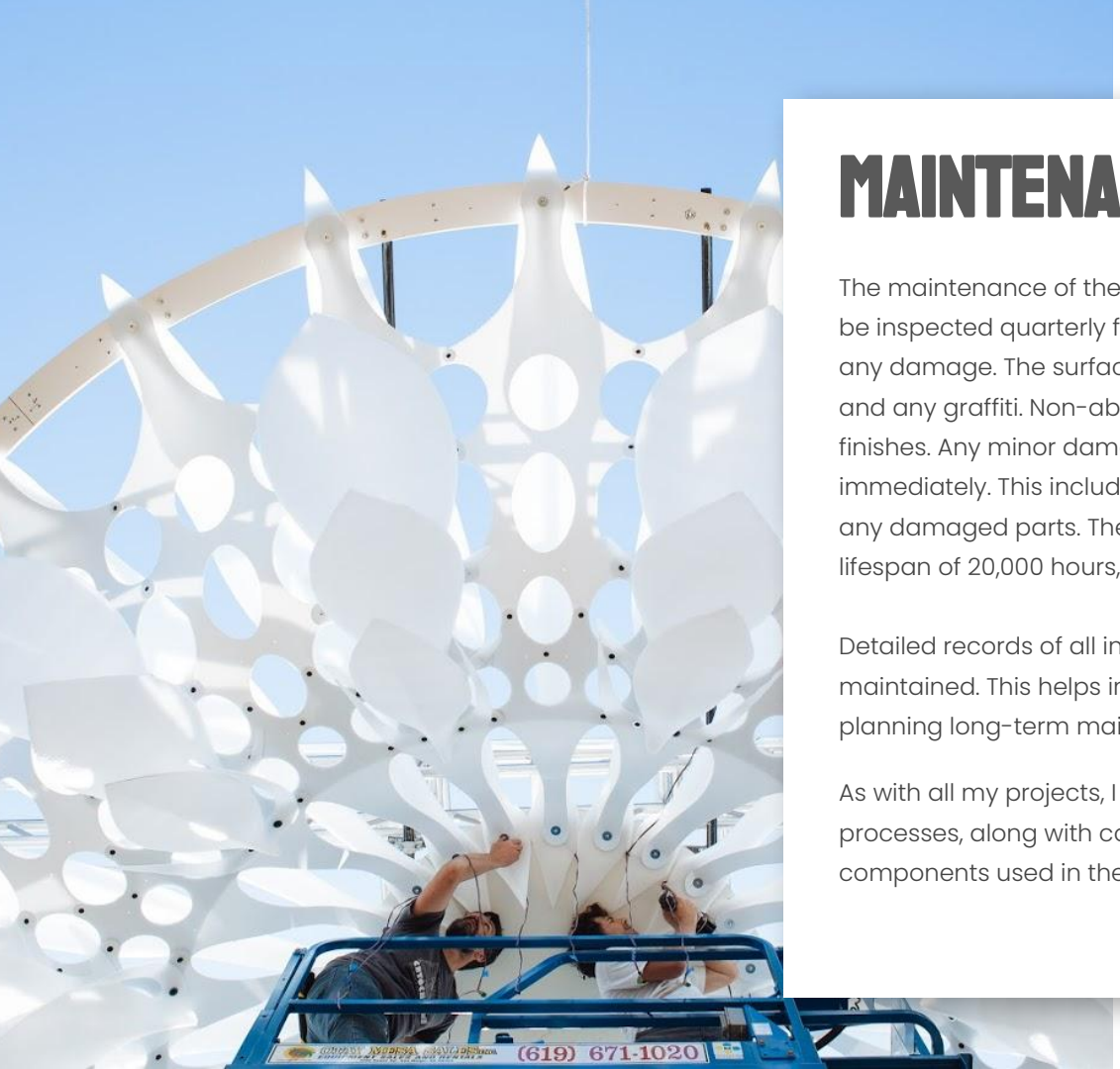


INSTALLATION PLAN

A variable reach forklift, and scissor lifts will be used to position and assemble components of the sculpture on-site. This work is supervised by our lead rigger and installation crew, who are specially trained in handling heavy equipment.

Careful coordination will take place to ensure the equipment is safe for the grounds capacity. The team ensures all components are transported safely on-site and securely anchors them to the foundation.

After installation, the site will be cleaned up and any disturbed areas restored.



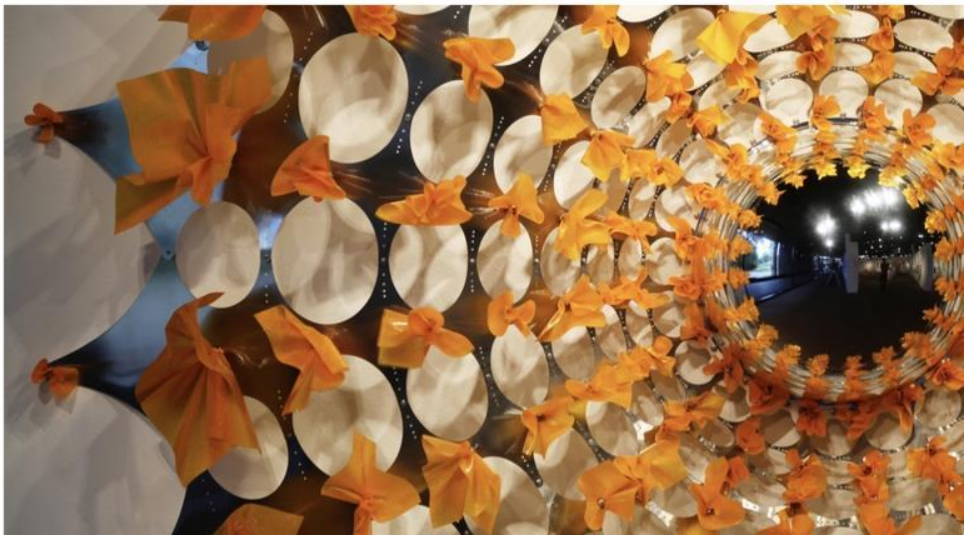
MAINTENANCE

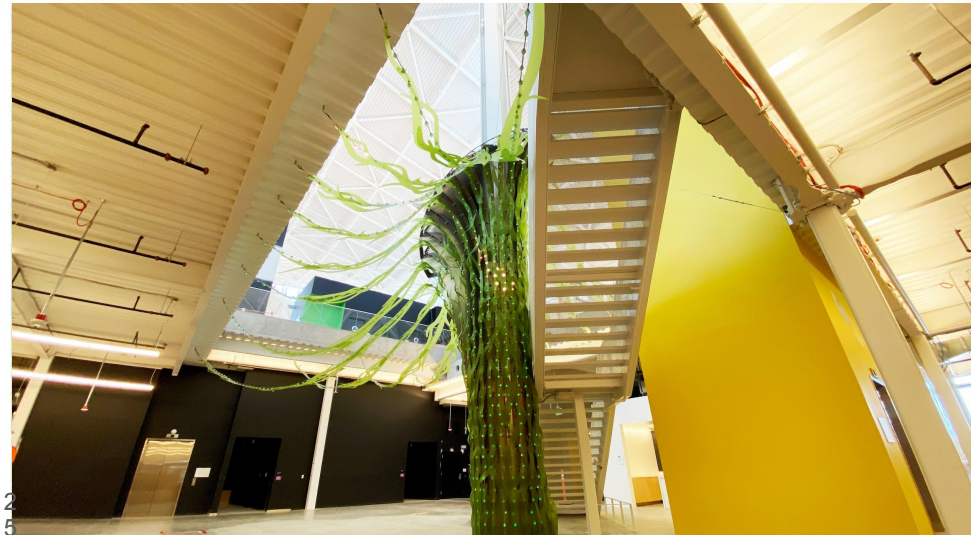
The maintenance of the artwork will be straightforward. The sculpture should be inspected quarterly for structural integrity, signs of adverse corrosion, and any damage. The surface is to be cleaned biannually to remove dirt, debris, and any graffiti. Non-abrasive cleaning methods will be used to preserve the finishes. Any minor damages or wear and tear should be addressed immediately. This includes reapplying protective coatings and/or replacing any damaged parts. The lighting, utilizing long-lasting LED technology with a lifespan of 20,000 hours, will require minimal upkeep.

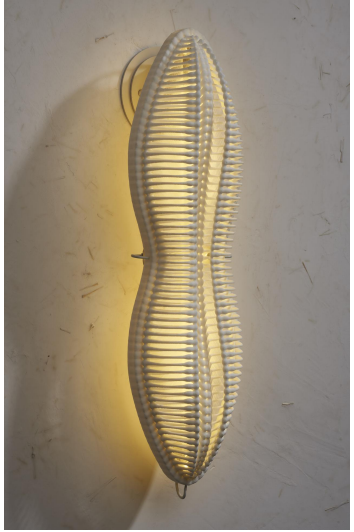
Detailed records of all inspections, cleanings, and repairs should be maintained. This helps in tracking the sculpture's condition over time and planning long-term maintenance activities.

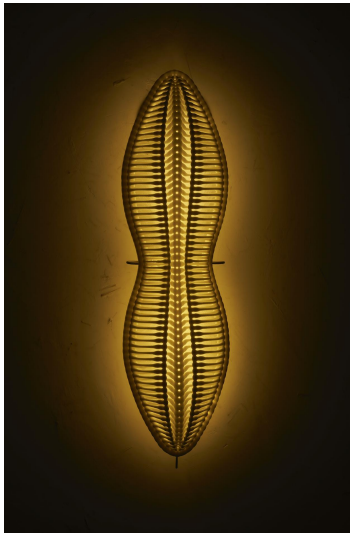
As with all my projects, I will provide digital files from the fabrication processes, along with comprehensive information and specifications for all components used in the artwork's creation.

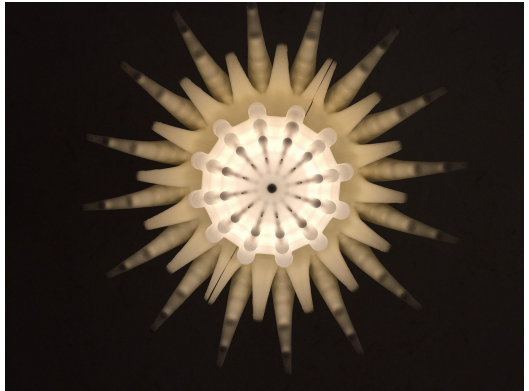

PORTFOLIO











THANK YOU FOR YOUR CONSIDERATION.

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