

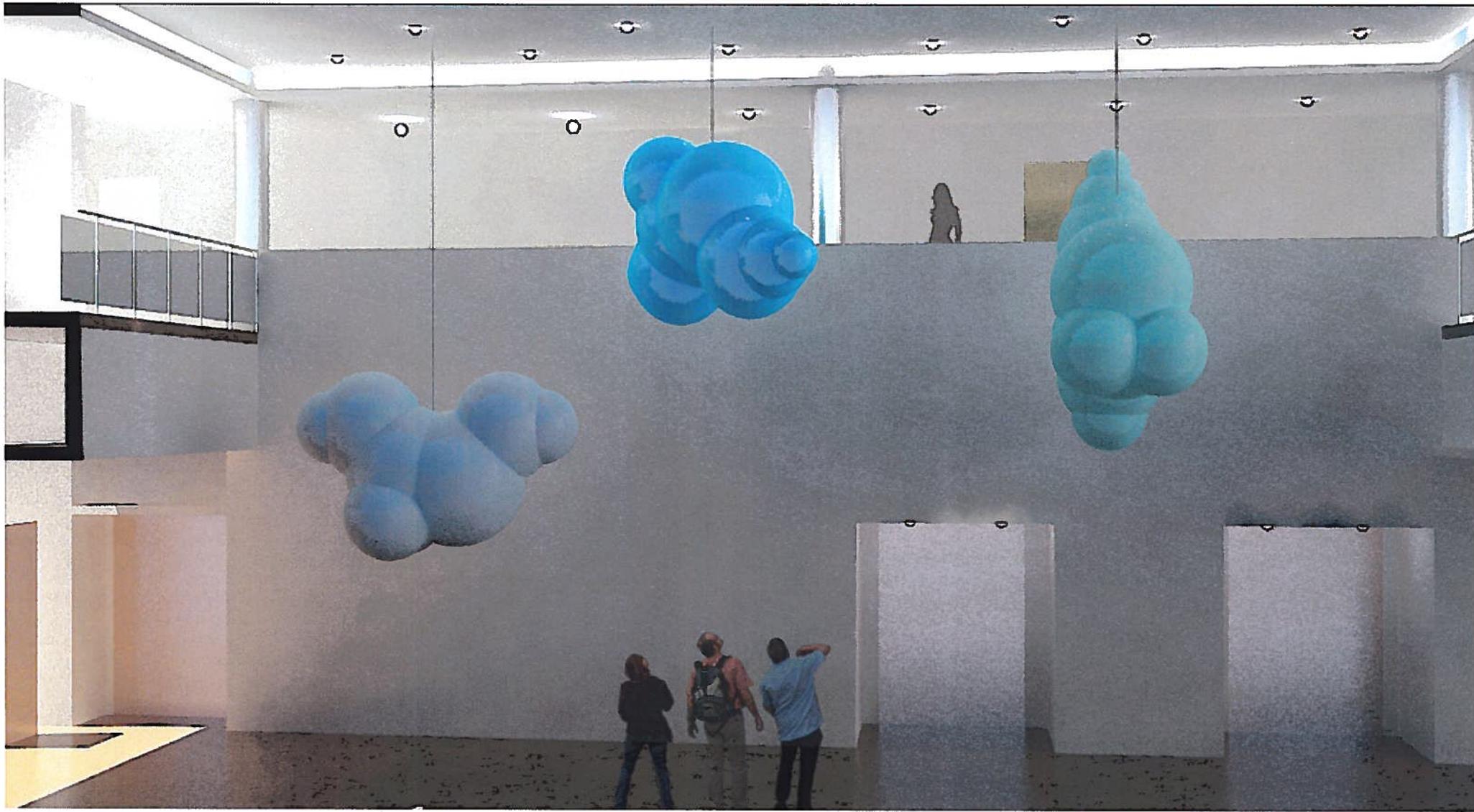
UNIVERSITY of HOUSTON, VICTORIA
Regional Center of Economic Development



CONCEPT

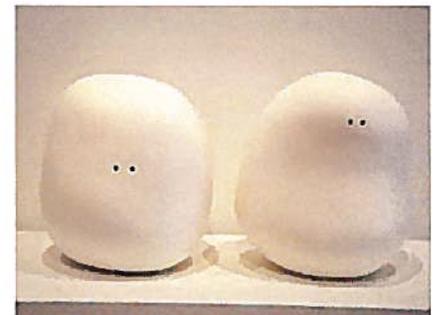
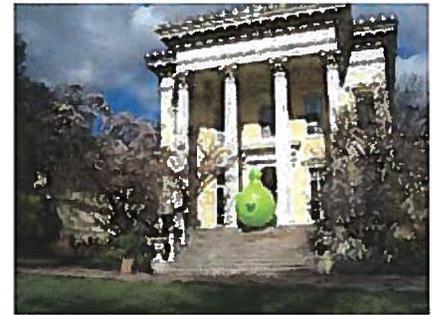
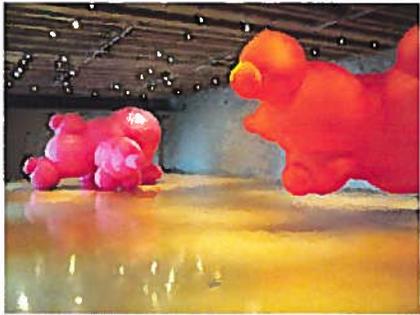
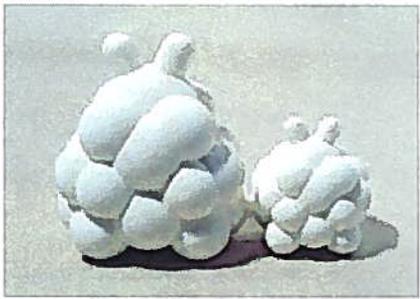
The proposed work **“Triplets”** consists of three interrelated components.





It is developed in the tradition of **biomorphic abstraction**, as is most everything I do.





3D modeling as the ideal **design process**

Computer Aided Design / Computer Aided Manufacturing (CAD/CAM)

3D printed sculptures

Monumental inflated fabric forms.





Employing the most sophisticated **technology** while remaining
playful and **whimsical**.

Clusters, bubbles, multiplying cells, and meandering protrusions.

Simultaneously toy-like and foreboding...happy, rotund, iconic and prehistoric.

Applying this technology to create permanent monumental sculpture.

Endless possibilities for color and texture exist within this technique.

Collaborating with a playground fabricator in Colorado.

Developing surfaces that range from animal skins to slick plastic to rock texture.

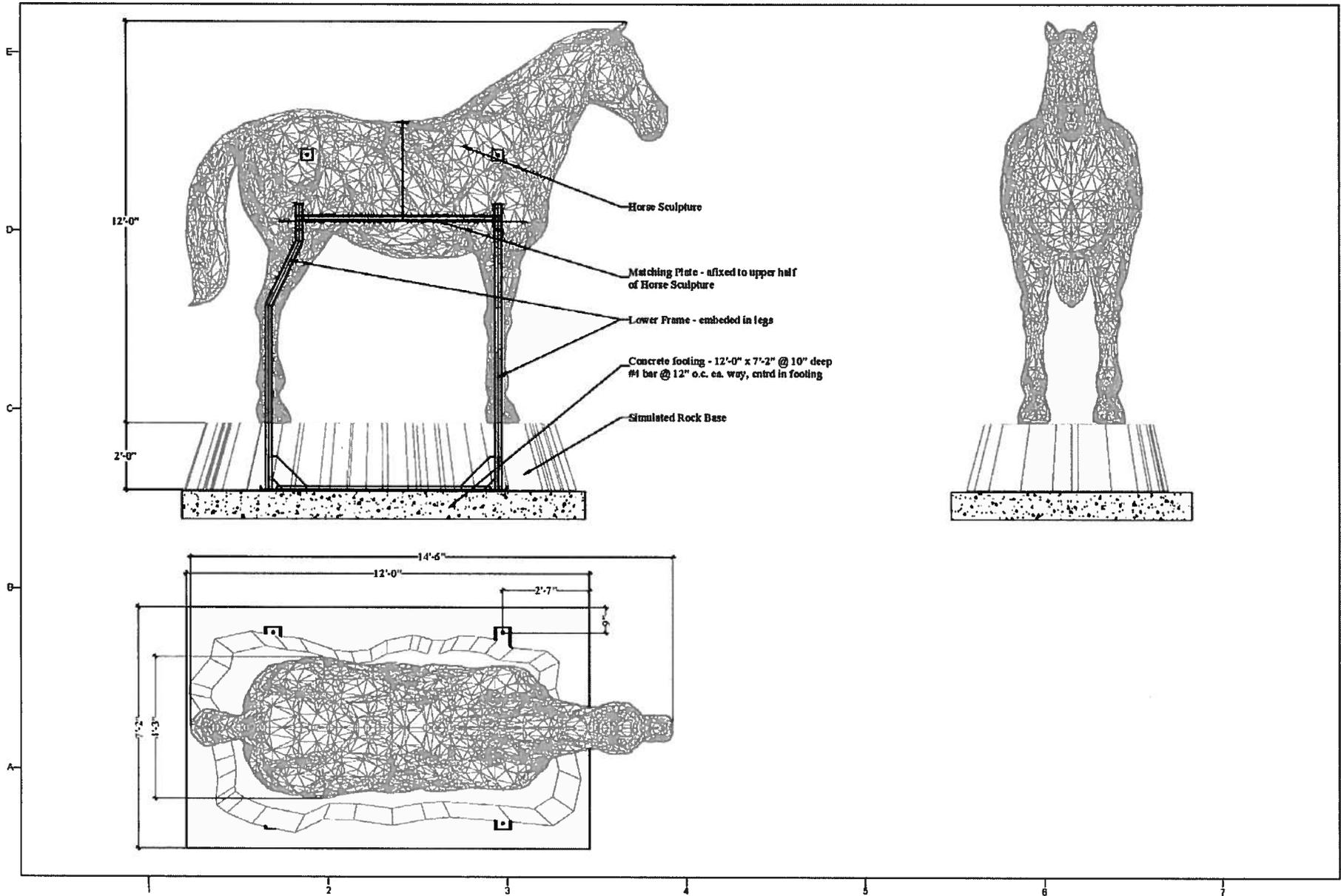












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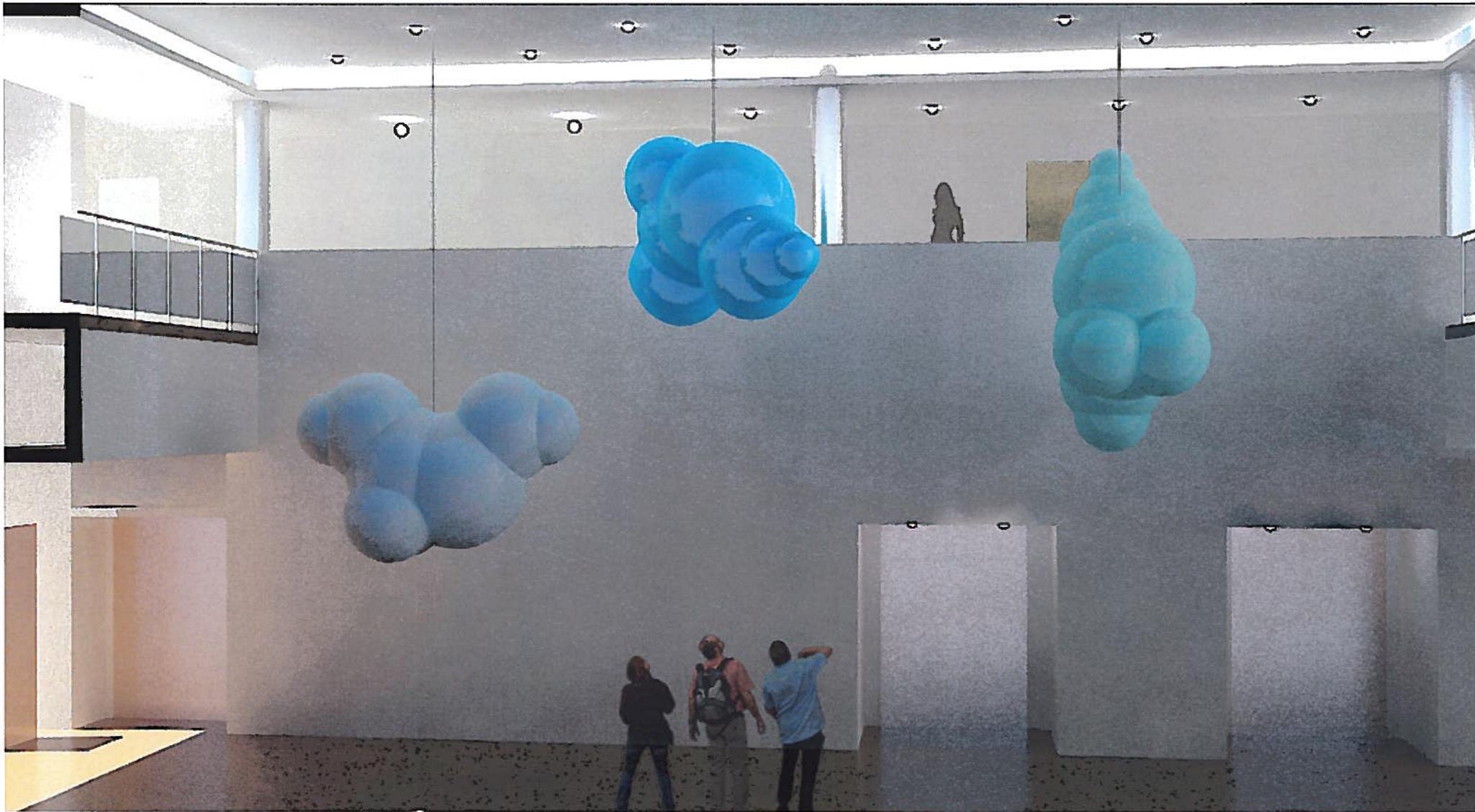
Sharon Engelstein
 Horse and Dogs Sculptures

NO.	Revision Title	Date

Scale: 3/8" = 1'-0"
 Date: 12-17-09
 Drawn by: TJM
 Rev'd by:
 Proj. no.:

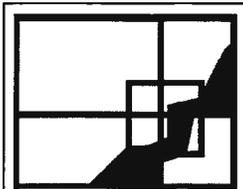
Drawing Title: Horse Sculpture
 Sheet #:

H1

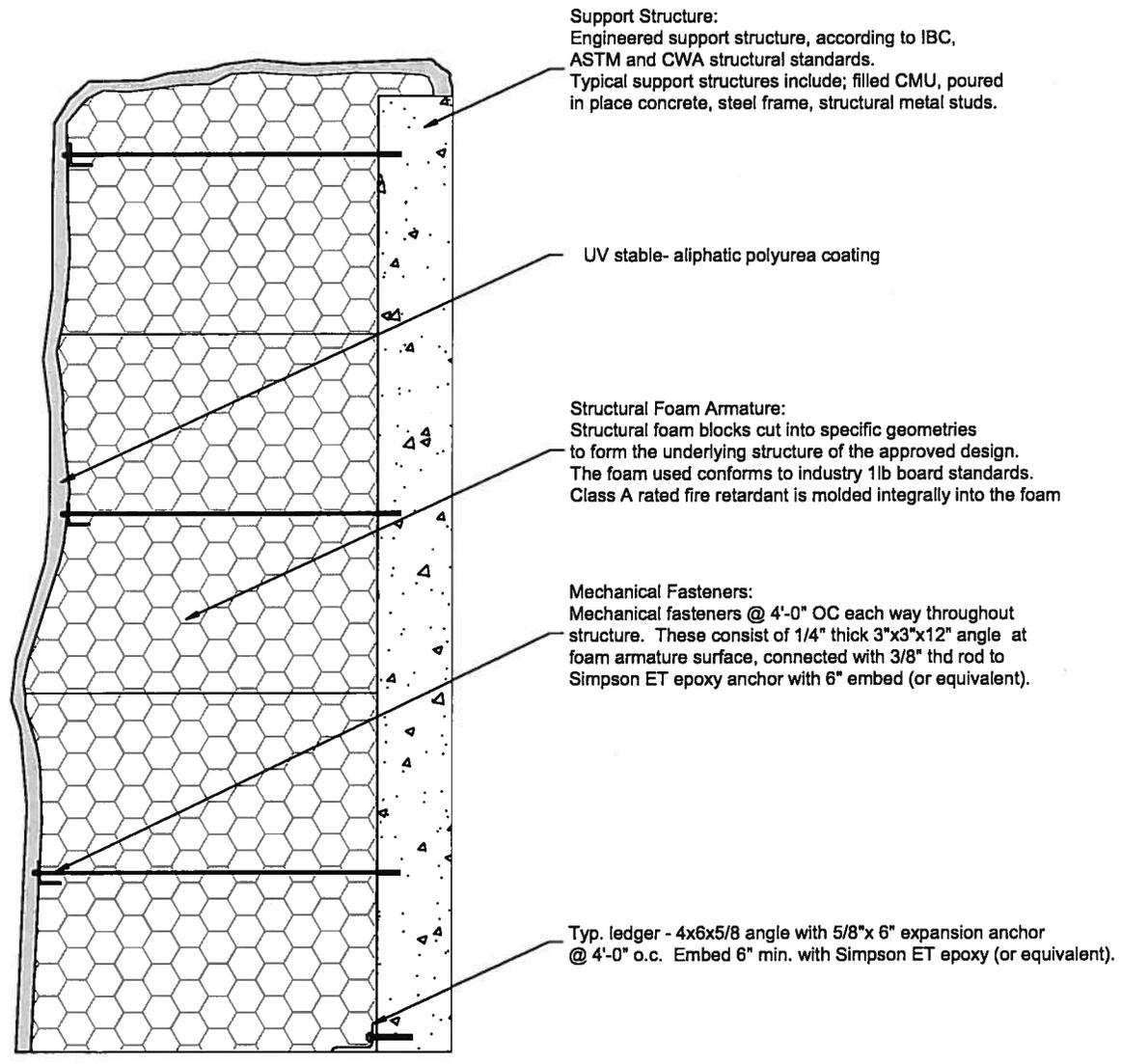


Shown in three shades of blue, to suggest air, sky and atmosphere.
Color possibilities are endless. Texture is smooth and shiny.





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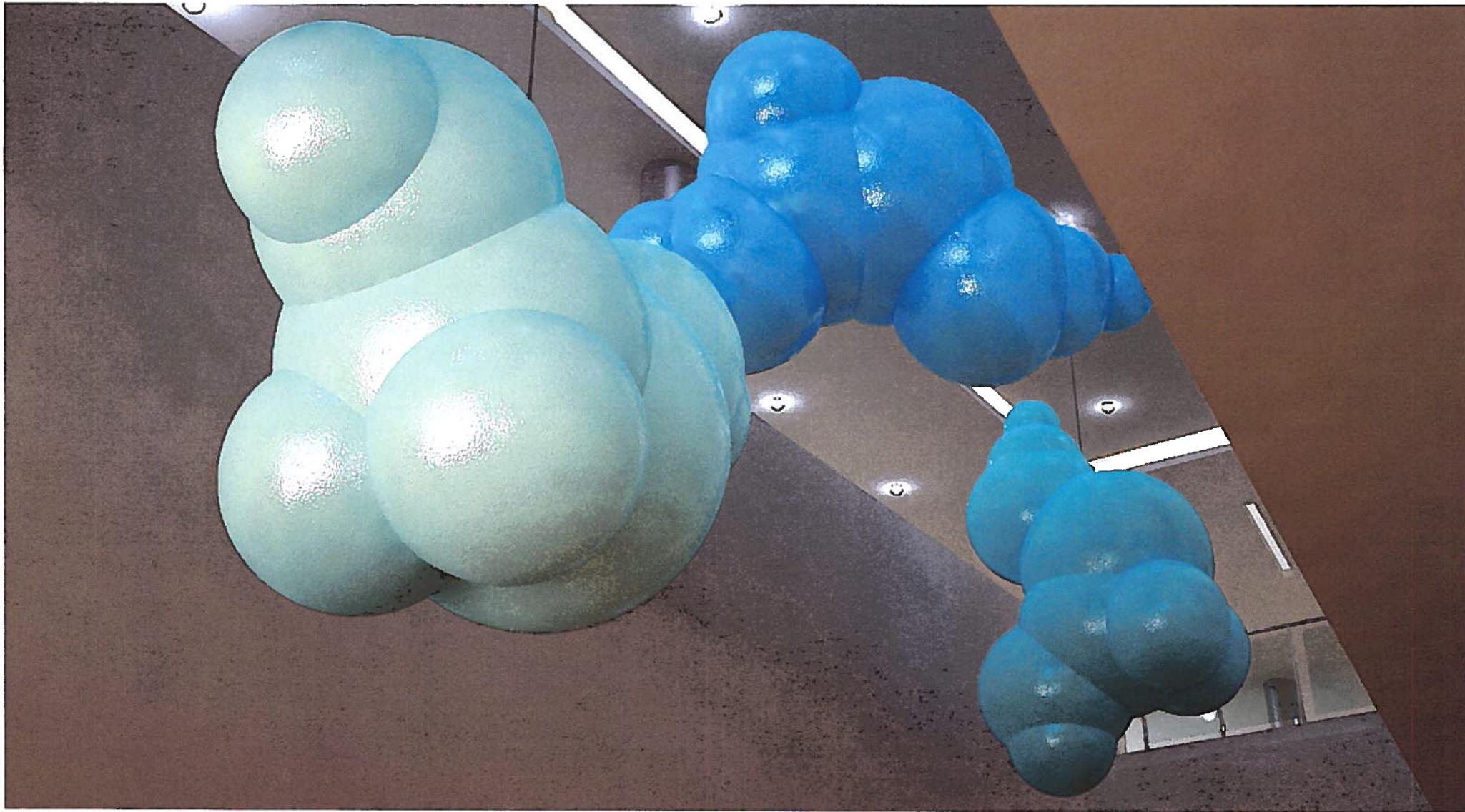


IDS Sculptures are constructed using patented technology utilizing structural foam coated with specially formulated polymers that provides a durable surface for both indoor and outdoor applications. IDS structural foam contains a minimum of ten percent recycled materials, is flame and water resistant, and conforms to ASTM Tests D1621, C203, C1623, and C732 for strength properties, C355 and C272 for moisture resistance, and will not support bacteria or fungus. The polymer concrete shell conforms to ASTM C109 and C887

All IDS Sculpture designs undergo a rigorous 3rd party engineering review. Each design receives a seal from a licensed structural engineer; our engineers hold a license in each state, each review is job and state specific.

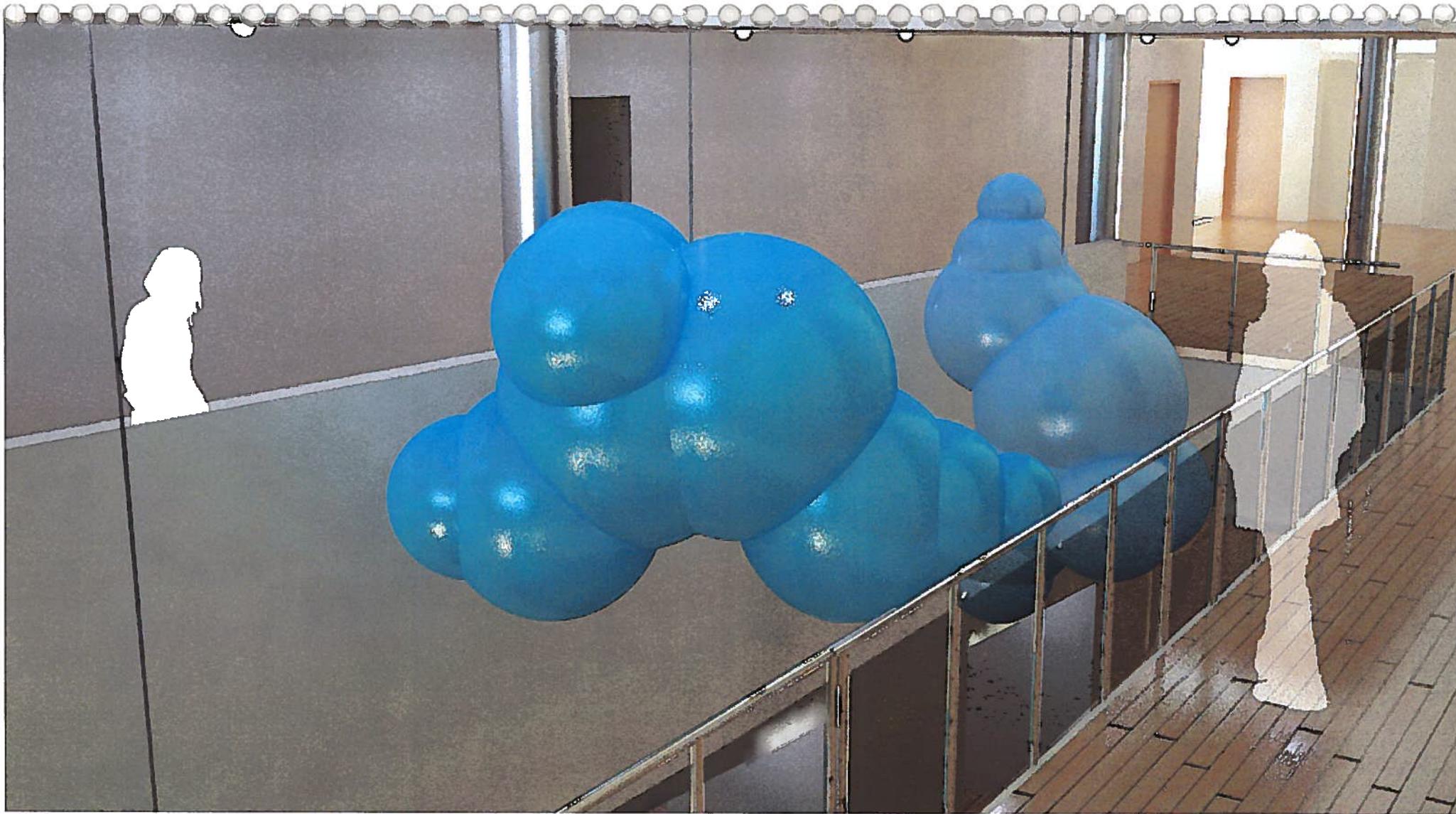
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This particular arrangement creates a visual riddle to be solved with continued **investigation**. The three forms appear to be different though they are actually identical triplets situated differently in space. **Rotation**. This presents the viewer with the **opportunity for discovery** as he or she visits the building over time.





This work is intended to make viewers **stop and wonder**.

Art should carry **mystery** especially in the context of a university campus,

In a building devoted to **training, education** and **collaboration**.



I propose this work as a **counterbalance** to the **architecture**.

In odd juxtaposition to the hard lines of the building, the soft curvilinear forms are reminiscent of living creatures and can't be avoided. They demand to be

contemplated. This is the **function of art.**



FABRICATION

The sculptures will be designed, engineered and fabricated in partnership with Integrated Design Solutions and DCI engineers.

To be fabricated by means of a large format, four-axis computer numerically controlled (CNC) router with data provided by three-dimensional digital files.

The sculpture will be carved in sections out of two-pound extruded polystyrene foam and assembled around a steel reinforcing frame and hand finished at part seams.

The entire sculpture will receive a spray applied, UV stable- aliphatic polyurea coating in controlled shop conditions. The polyurea coating will be custom formulated for color and provide lasting fidelity and durability to the sculpture.

Each sculpture will include structural reinforcement designed and engineered to accommodate the loads generated from a single suspension point. Steel cable will be used to connect the sculpture to a mounting point in the ceiling system. Engineering review with a state specific stamp will be provided.

INSTALLATION

The project schedule shows SC at 10/31/14. It looks like you would be installing the piece (or at least the hanging device(s)) around 9/15 to 10/30 so that the ceiling could be closed up, finished, and punched before Substantial Completion. The actual art piece could be hung in November to late December.

Slab is design to hold 10 kip concentrated load, however the porcelain tile is not. As long as the installation is done before the final finishes the slab can handle what you are asking. The largest entry door is 6'-0"x9'-0". The contractor will have to take off the doors if the palette is 6'-0".

PHASE 1: Install and secure cables and supports (1-2 days)

We will coordinate with project contractor to locate suspension points in the ceiling system.

It was confirmed that the building structure (steel beams) at the atrium location will accommodate the load determined by IDS and DCI Engineers. Current design shows a weight of 450 lbs per unit.

As of 10/04/13 drawings show a the space above the drop ceiling at the atrium to be 4 feet with no ductwork running directly through this area.

We will work closely with a project contractor to install stainless cables (three per unit) to be fed through an opening in the drop ceiling. These will be installed during building construction and left coiled in place until sculptures are installed.

There will be a support structure at the surface of this opening to limit lateral pressure on the drop ceiling.

Drywall or 2x2 acoustical tile?

There will be a permanent sleeve or grommet inserted into the ceiling material to prevent damage.

Cable size to be determined by engineer.

Equipment: One 30 foot platform scissor lift

Height to drop ceiling is determined to 26 feet. With 4 feet of space above.

PHASE 2 : Installation of artwork by Ty Art Services (1-2 days)

The sculptures will be shipped directly to site in a dedicated trailer from the fabrication facility in Gunnison, CO .

Each unit will be packed individually lowered from truck to pallet jack. The sculptures are specifically scaled to allow clearance into the building at the largest entry door which measures 6'0" x 9'0"

The three pre-installed cables will be attached to each sculpture at its connection point.

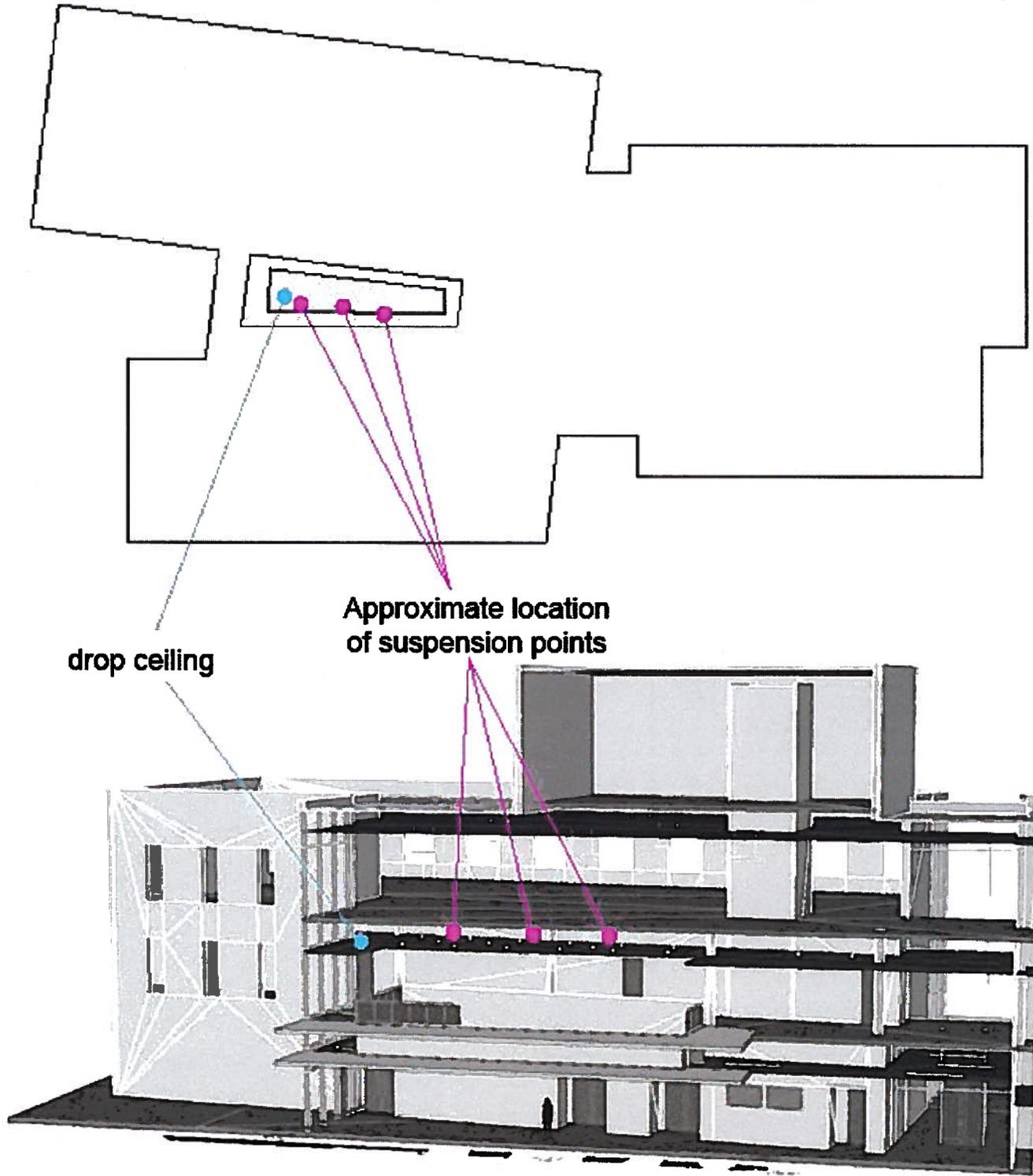
A swivel mechanism may be incorporated to control/promote rotation.

One cable is to be permanent. The two additional cables will be for hoisting and positioning.

Once sculpture is hoisted to its desired height, permanent cable is crimped and the extra cables are removed.

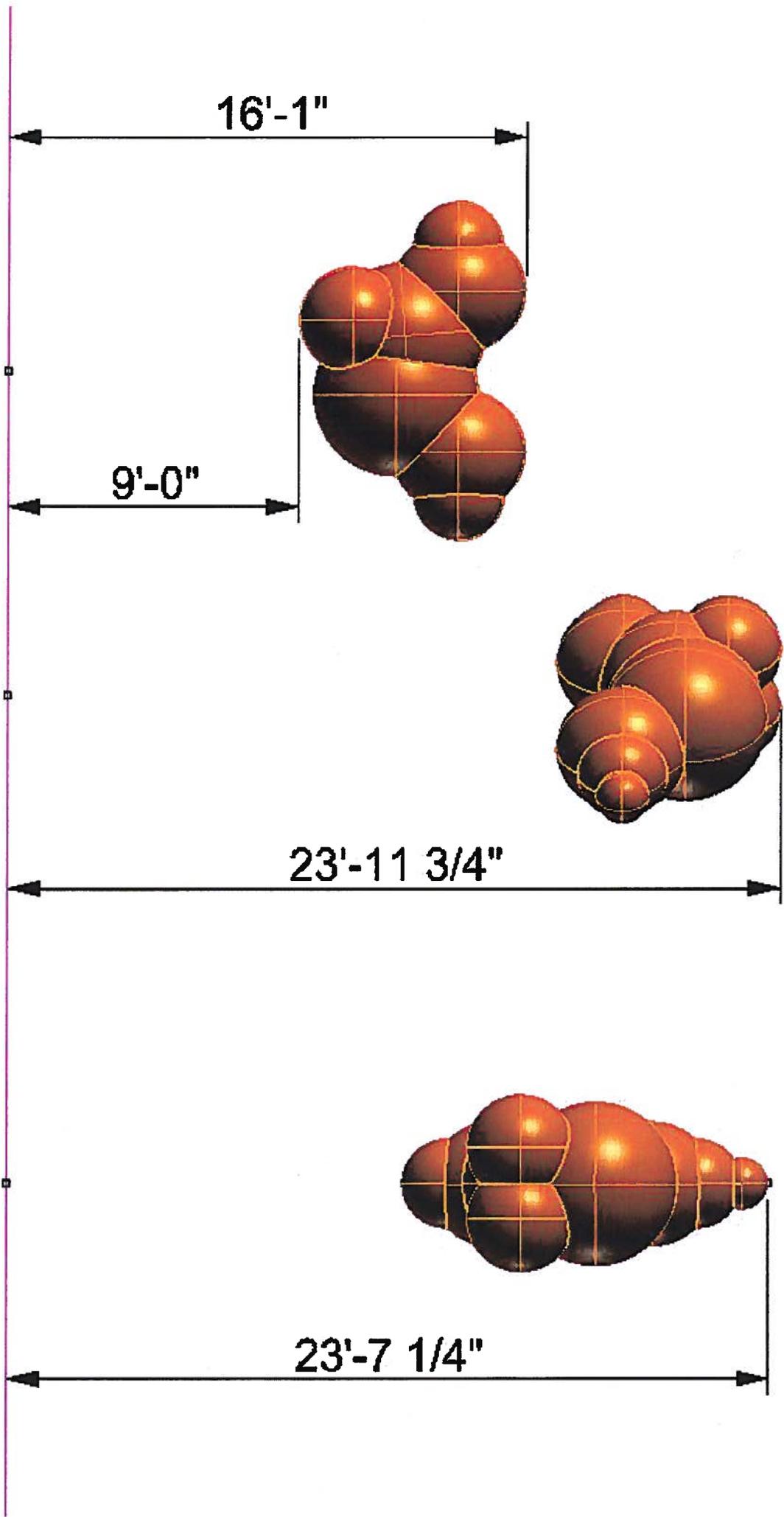
Equipment: One or two 30 foot platform scissor lifts.





drop ceiling

Approximate location
of suspension points

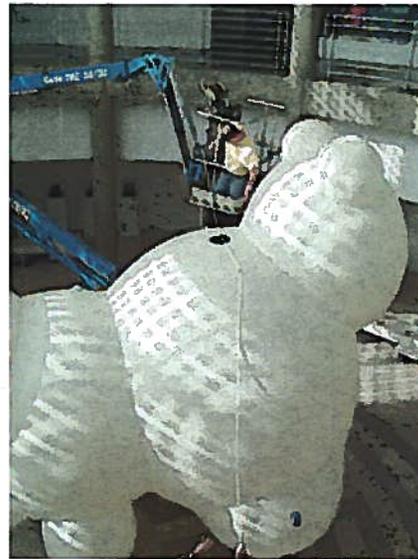
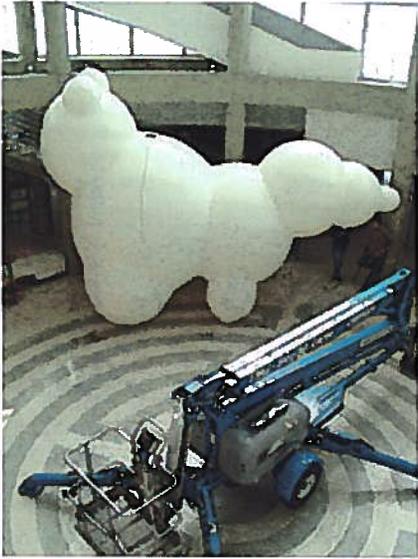




MAINTENANCE

The sculptures will require no maintenance.

They will be positioned at an unreachable height, and therefore should not require cleaning other than periodic dust removal.



BUDGET

"Triplets"

Proposed for the Regional Center for Economic Development
University of Houston, Victoria

	Price		
Design and engineering services	\$5,907.00		
Fabrication, material + labor	\$59,070.00		
Insurance	\$414.17		
Artist travel allowance	\$2,689.00		
custom coatings	\$19,599.00		
custom hardware and rigging	\$2,250.00		
installation (Phase 1 and 2)	\$17,500.00		
shipping	\$4,500.00		
		SUBTOTAL	\$111,929.17
	artist fee		\$30,000.00
	contingency		\$8,070.83
		TOTAL	\$150,000.00