

# Dimensional Innovations



## SCALE MOCK-UP

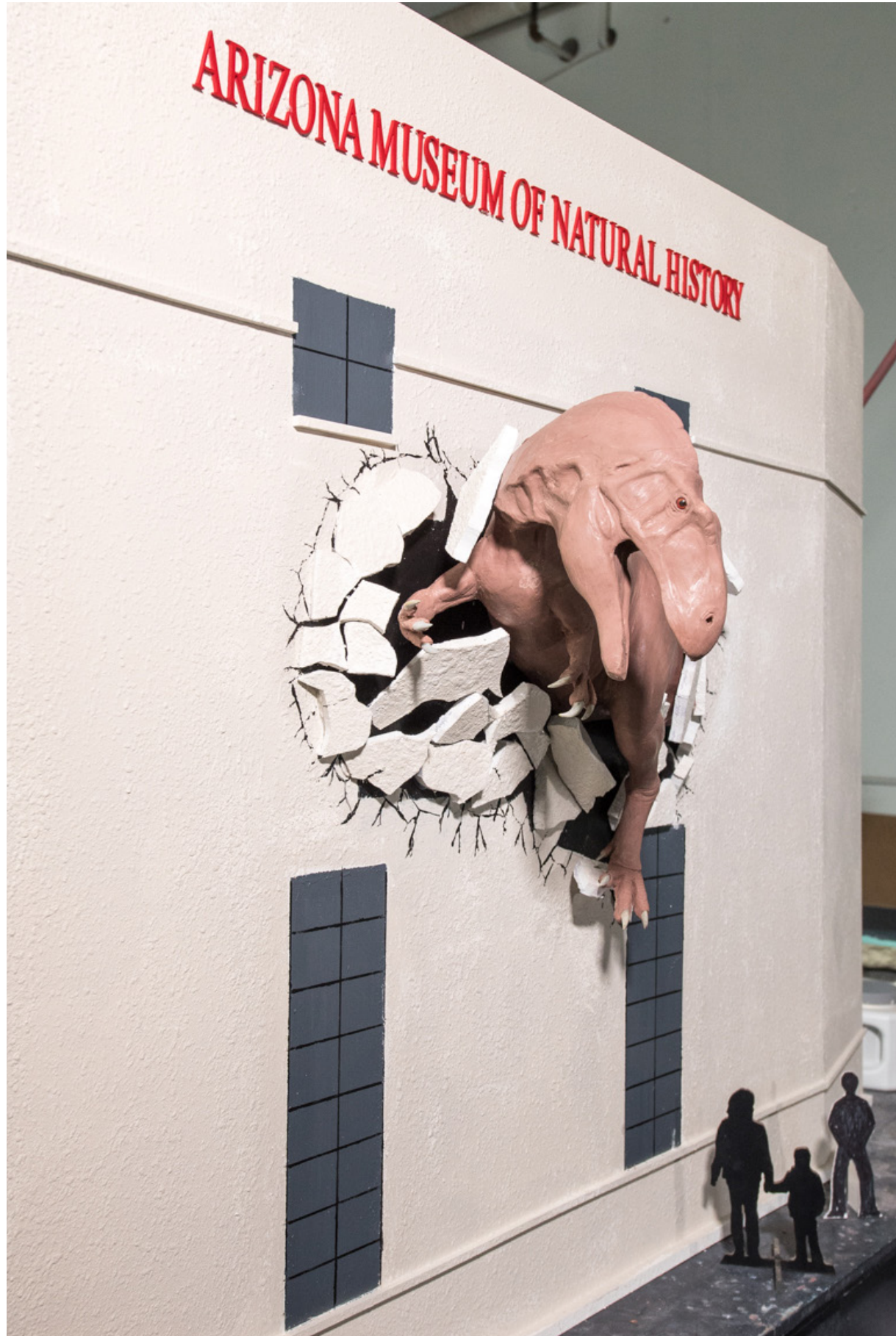
In the Early Cretaceous period Acrocathosaurus roamed middle United States. He was 6.5 tons and grew up to 38 feet in length. As an apex predator, he was the top of the food chain in his time.

This scale model depicts the installation at the Arizona Museum of Natural History. The Acrocathosaurus will be exploding out of the second story of the museum.

The animal will be sculpted at full scale and realistic details. Approximately 17 feet will be exposed in a dynamic pose as he tries to escape from the museum.

## PROPOSED SITE LOCATION





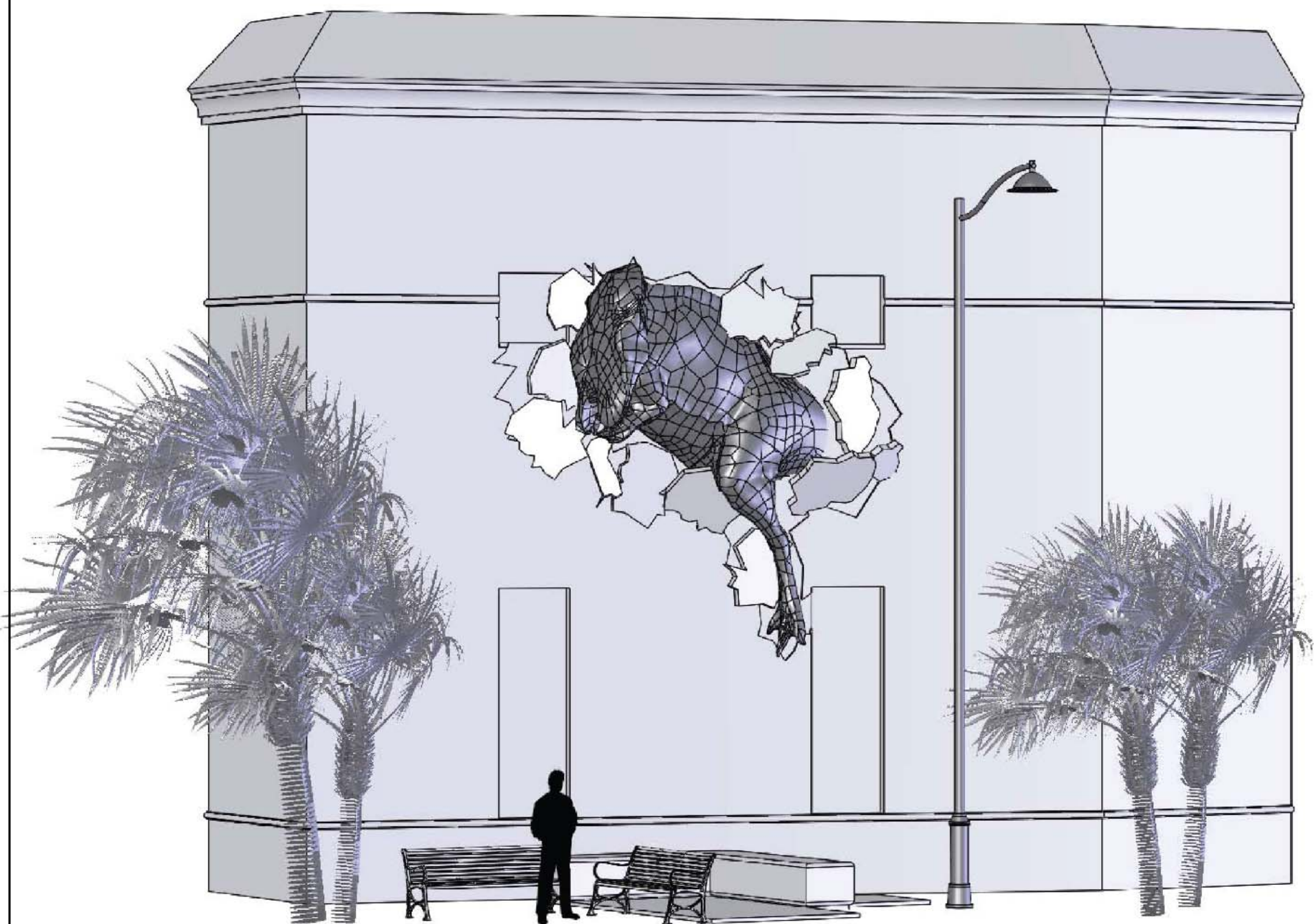
DETAILS

The sculpture will be posed dramatically for optimal viewing from multiple locations on the site. It will be lit internally as well as from the ground for around the clock visibility. The animal's cantilever from the building structure will provide a great selfie opportunity from the sidewalk.

## DETAILS

As the animal erupts from the building, pieces of the structure will be exploding out with him. These will be sculpted with the animal and installed to realistically depict the scene. Each piece will be faux painted to match the building site.





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Project Manager:	Engineer:	
Creative Director:	Project Engineer:	
All Dimensions are in inches unless noted. Standard Tolerances unless otherwise noted: Fractional + 1/32 Decimal + .015 Angles + .5 Deg.		
<b>Dimensional Innovations</b>		Material:
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Scale:	QTY:	Date:
NTS		10/17/2017
		Sheet:
		1 of 6

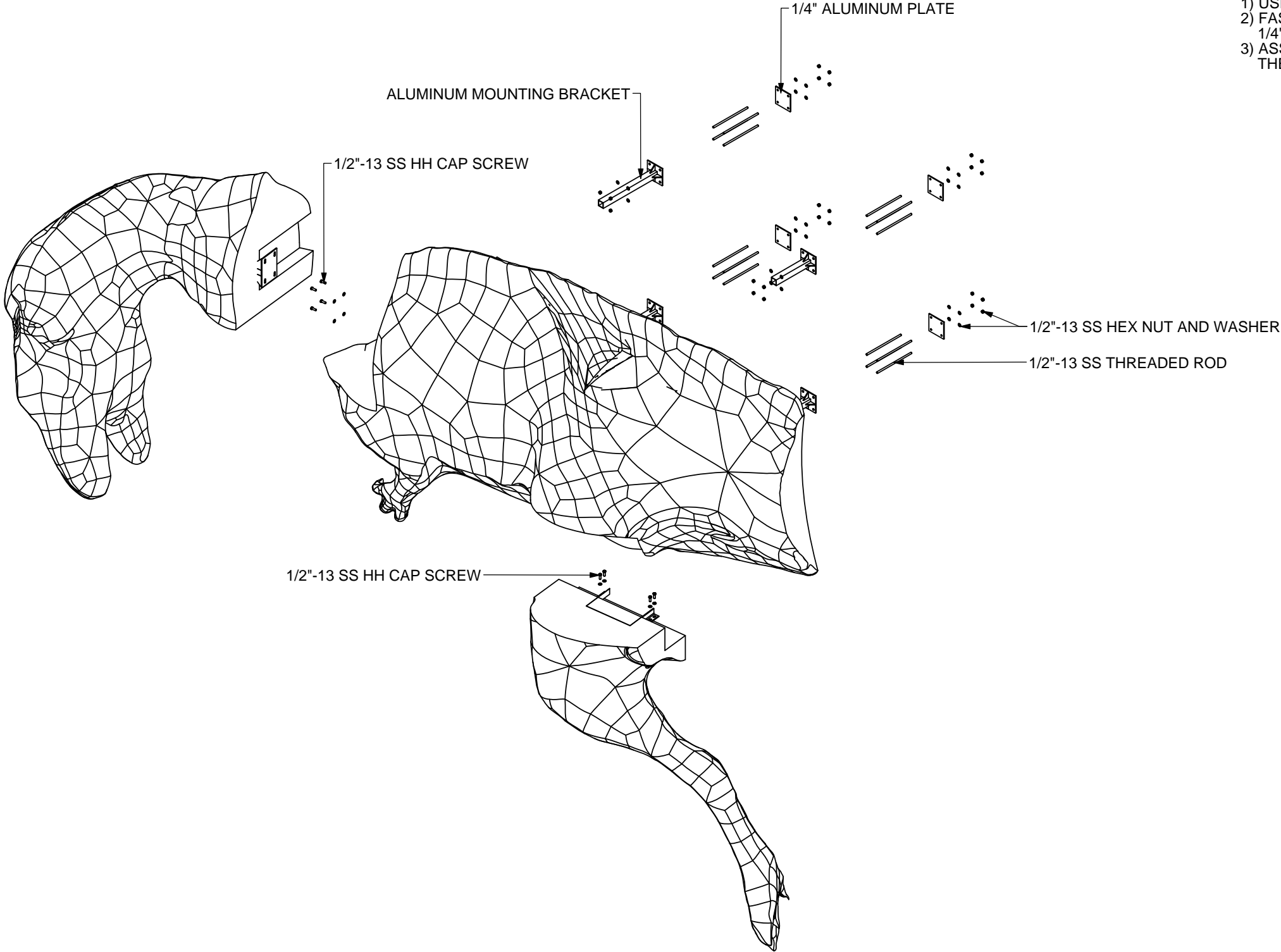
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NOTES:

- 1) FOAM DINOSAUR CONSTRUCTED AROUND ALUMINUM TUBE FRAME
- 2) DINOSAUR BUILT IN SECTIONS AND ASSEMBLED ON SITE WITH 1/2" CAP SCREWS INTO 1/2"-13 TAPPED PLATE
- 3) MOUNTING BRACKETS TO BE FASTENED TO SITE BY THROUGH BOLTING THROUGH 12" CMU WALL
- 4) FRAME TO BE LIFTED AND SLEEVED INTO MOUNTING BRACKETS WITH LORD ADHESIVE

INSTALLATION NOTES:

- 1) USING TEMPLATE, DRILL 1/2" HOLES THROUGH 12" CMU FOR MOUNTING BRACKETS
- 2) FASTEN BRACKETS TO EXTERIOR OF WALL USING 1/2" THREADED ROD AND 1/4" PLATE ON INTERIOR SIDE
- 3) ASSEMBLE DINOSAUR ON THE GROUND, COAT TUBING WITH LORD ADHESIVE. THEN LIFT AND SLEEVE ONTO BRACKETS



**FRAME WEIGHT APPROX. 150 LBS.  
TOTAL WEIGHT APPROX. 500-700 LBS.**

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		Sheet: 2 of 6

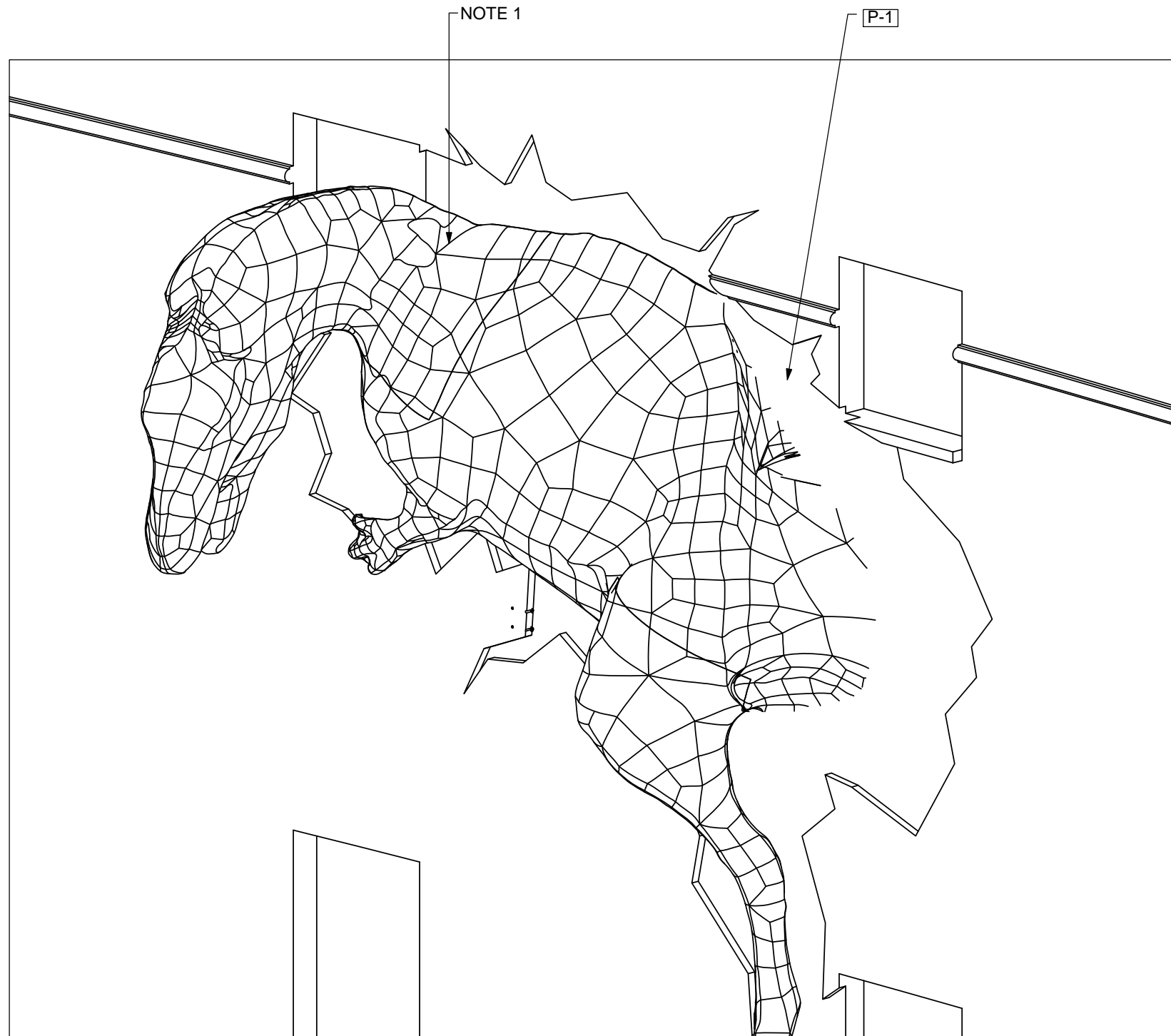
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FINISH NOTES:

1) DINOSAUR HAND FINISHED BY ART DEPARTMENT

[P-1] 'TBD', FRAME AND BREAK OUT AREA



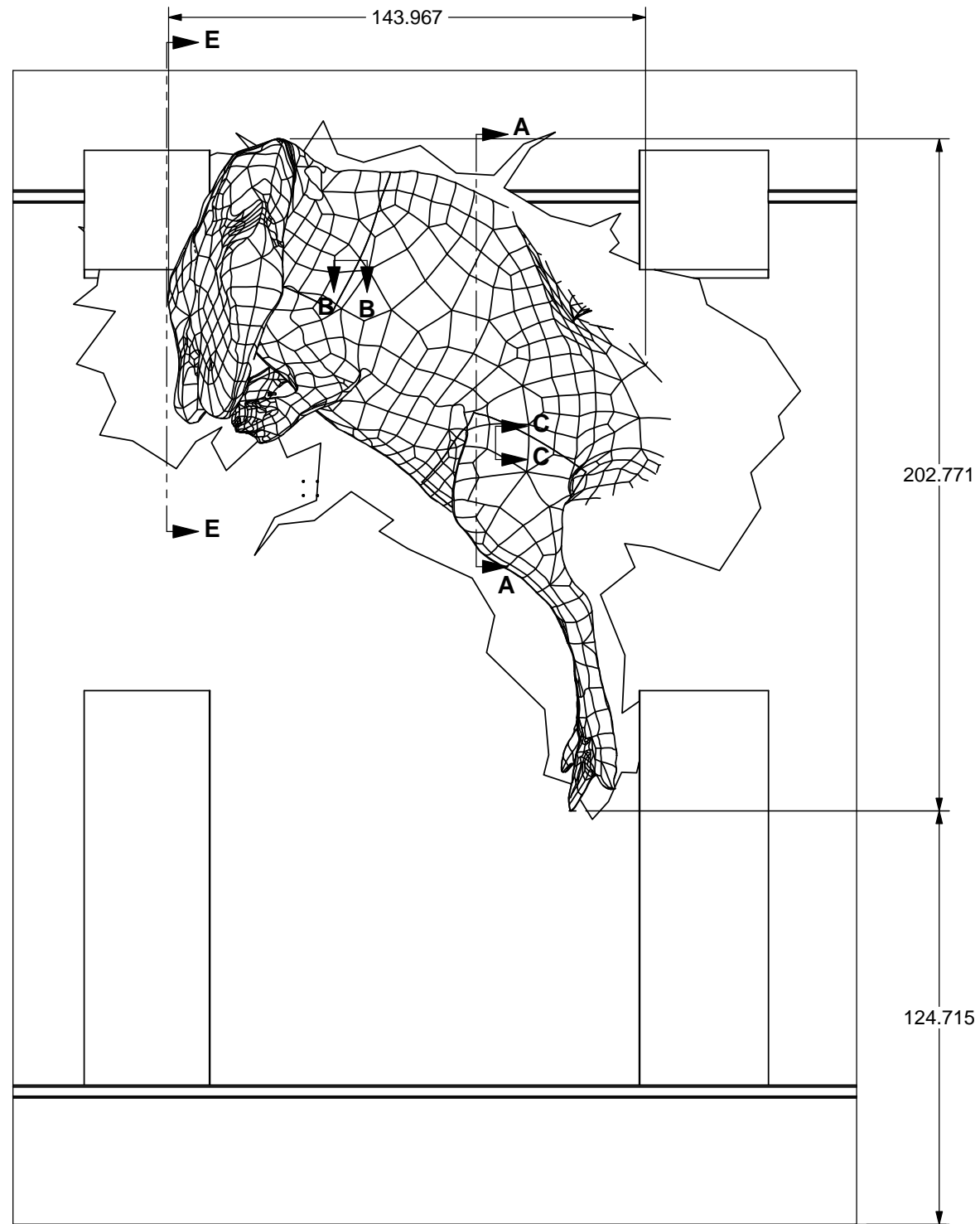
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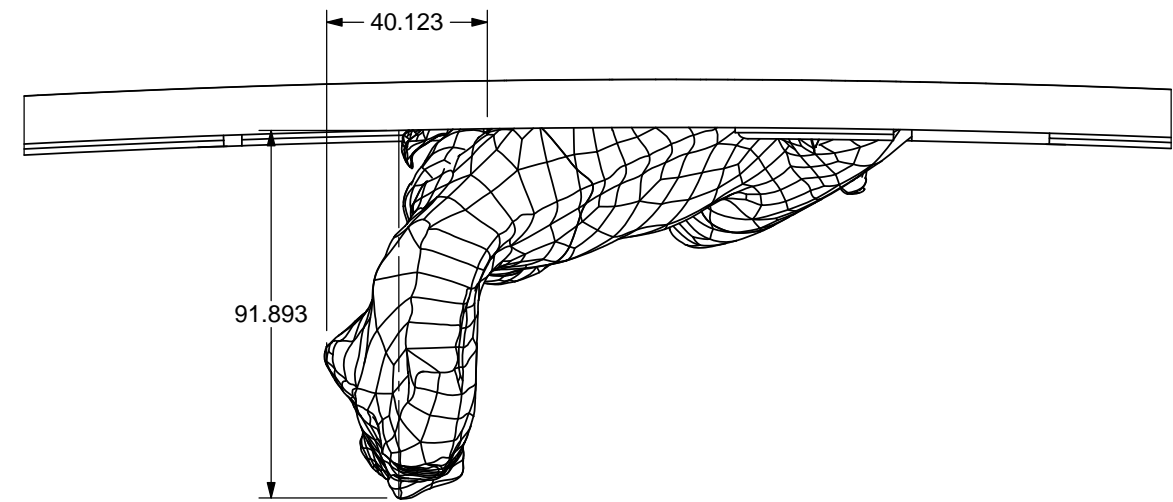
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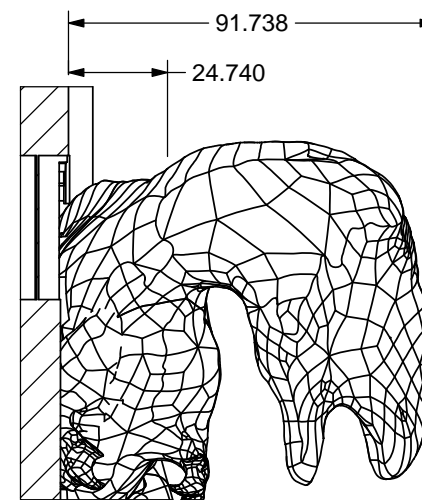




FRONT VIEW



TOP VIEW

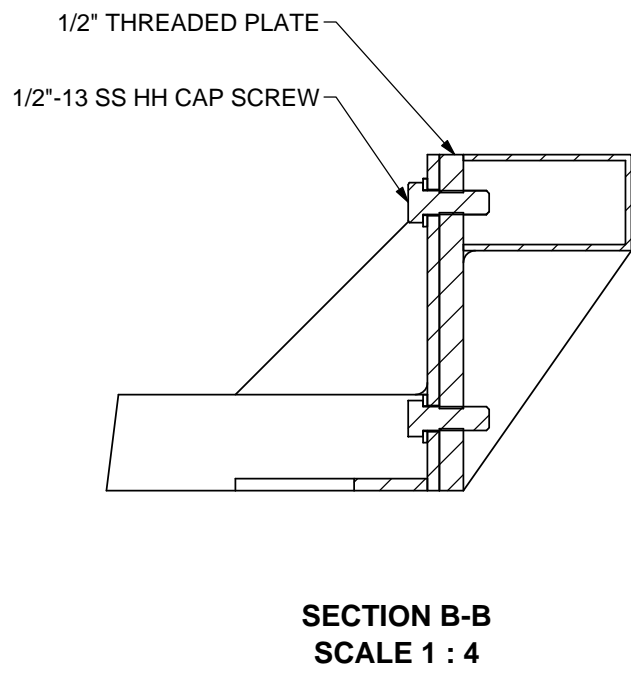
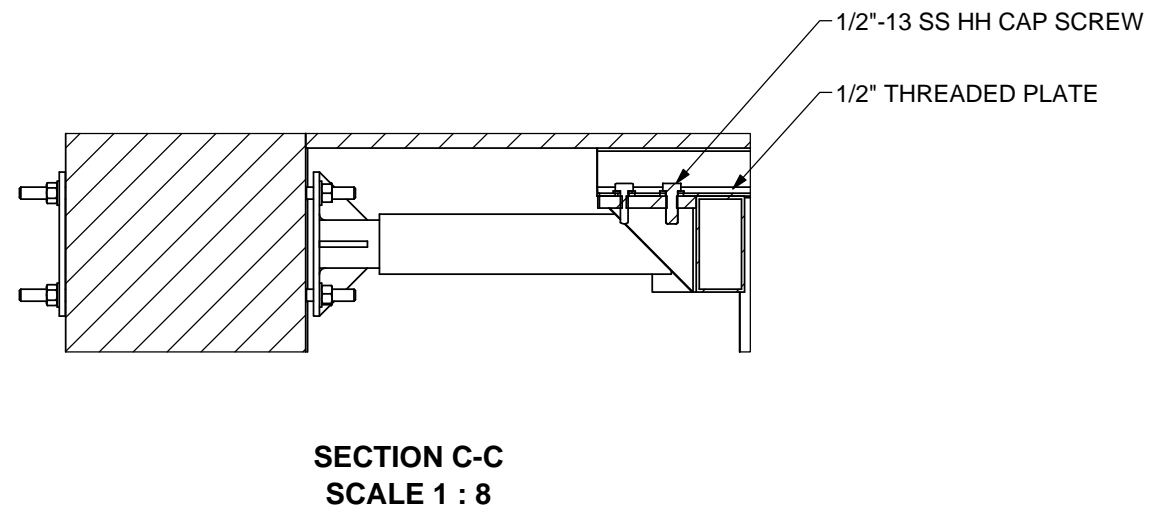
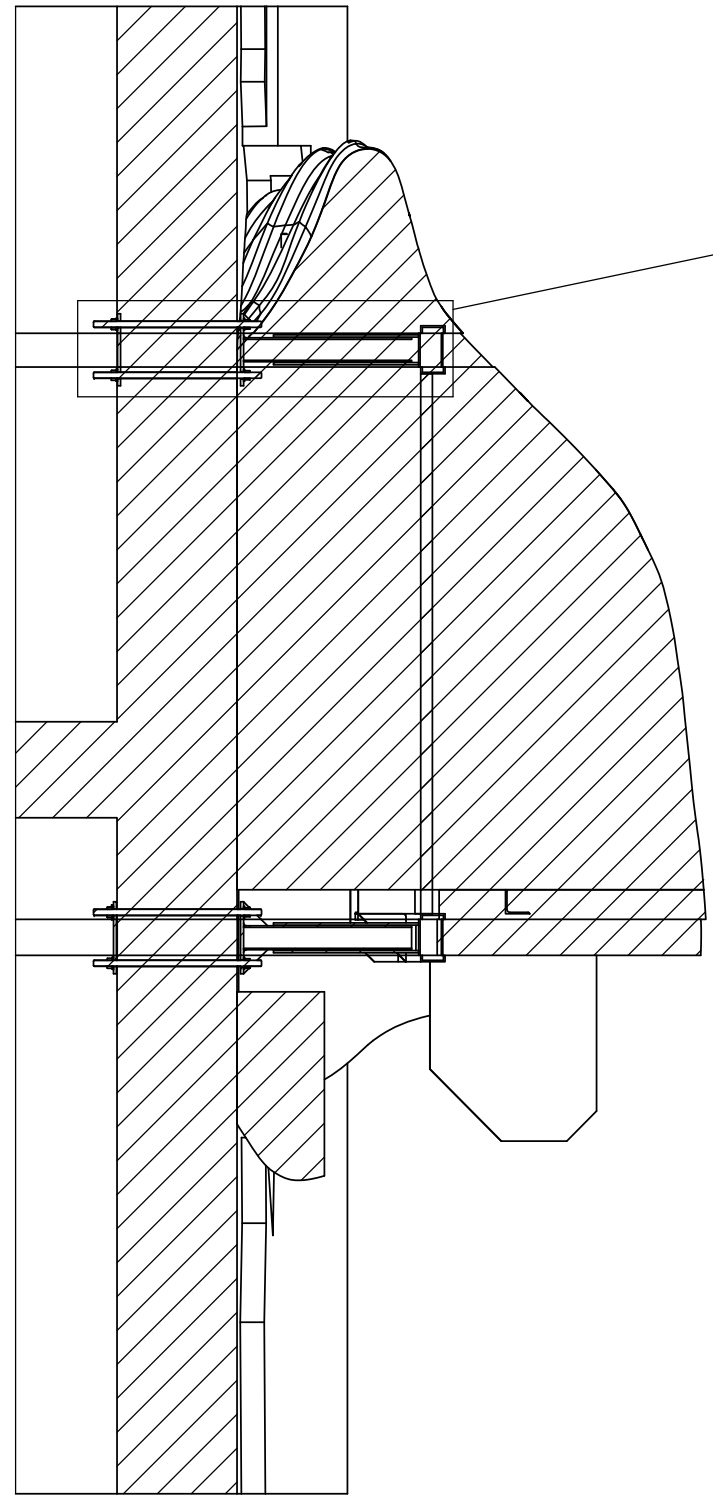
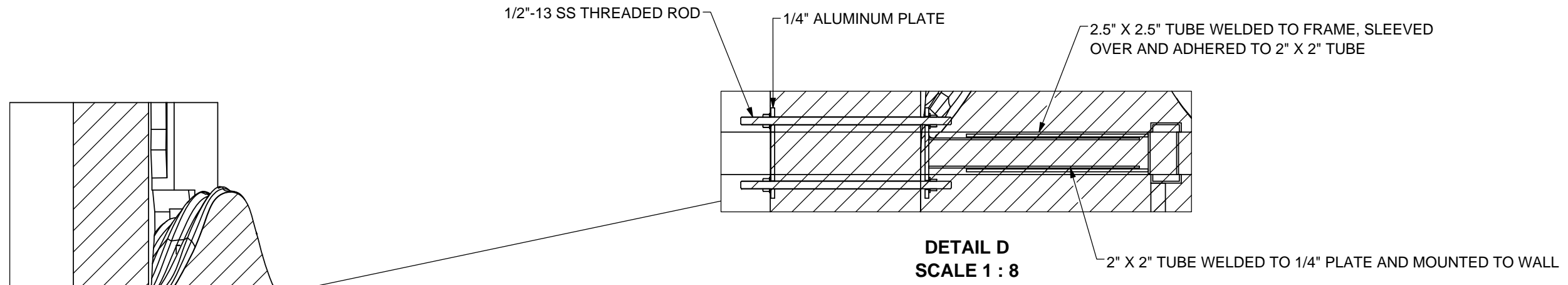


SECTION E-E

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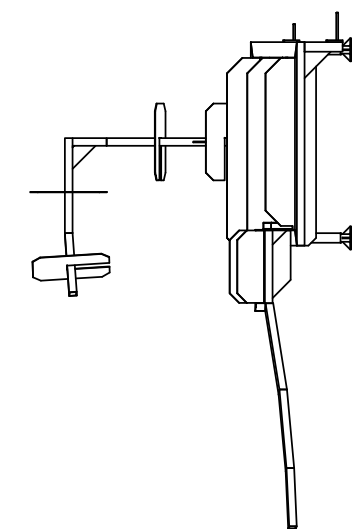
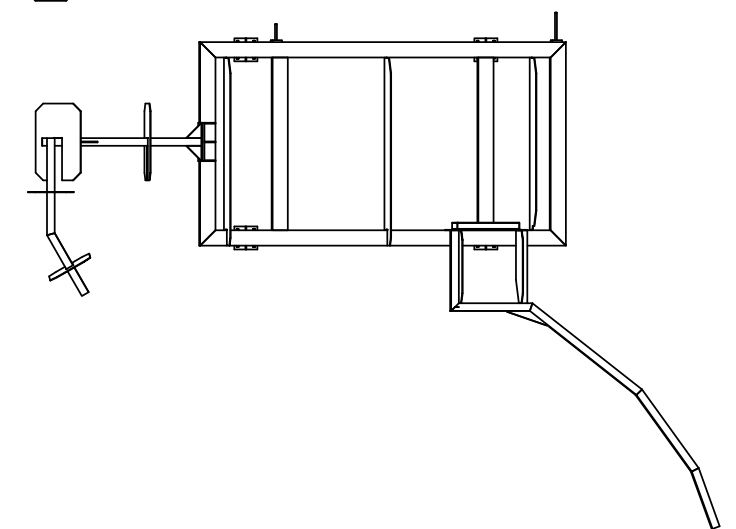
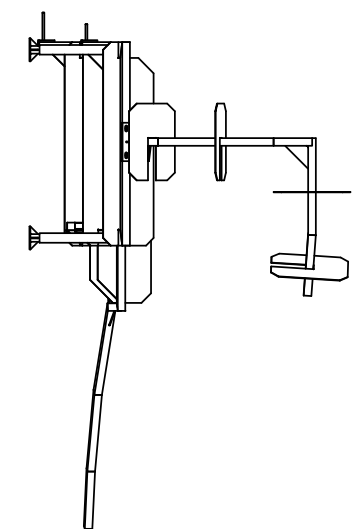
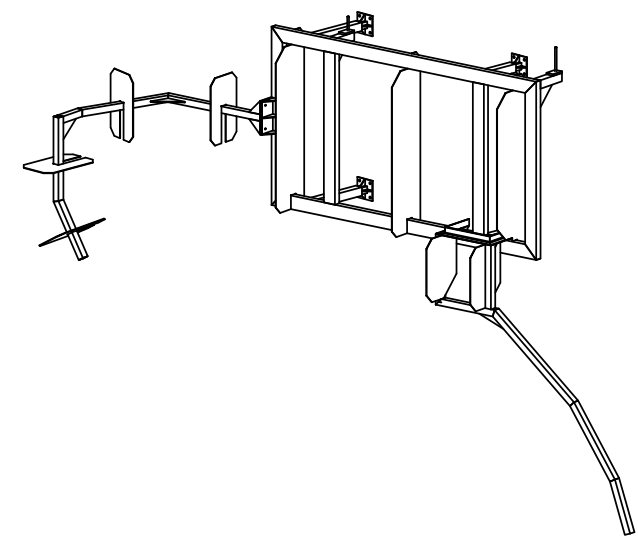
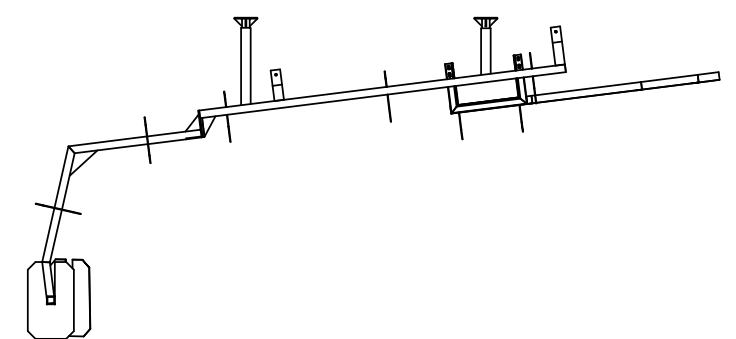
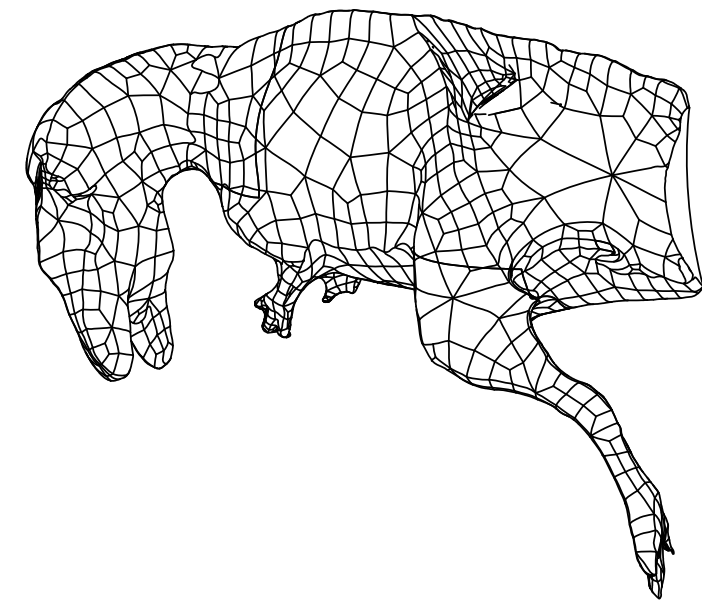
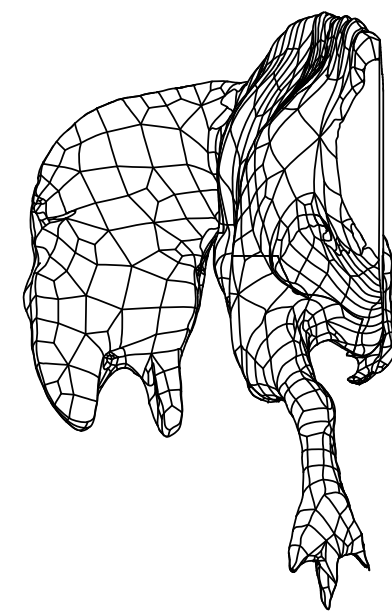
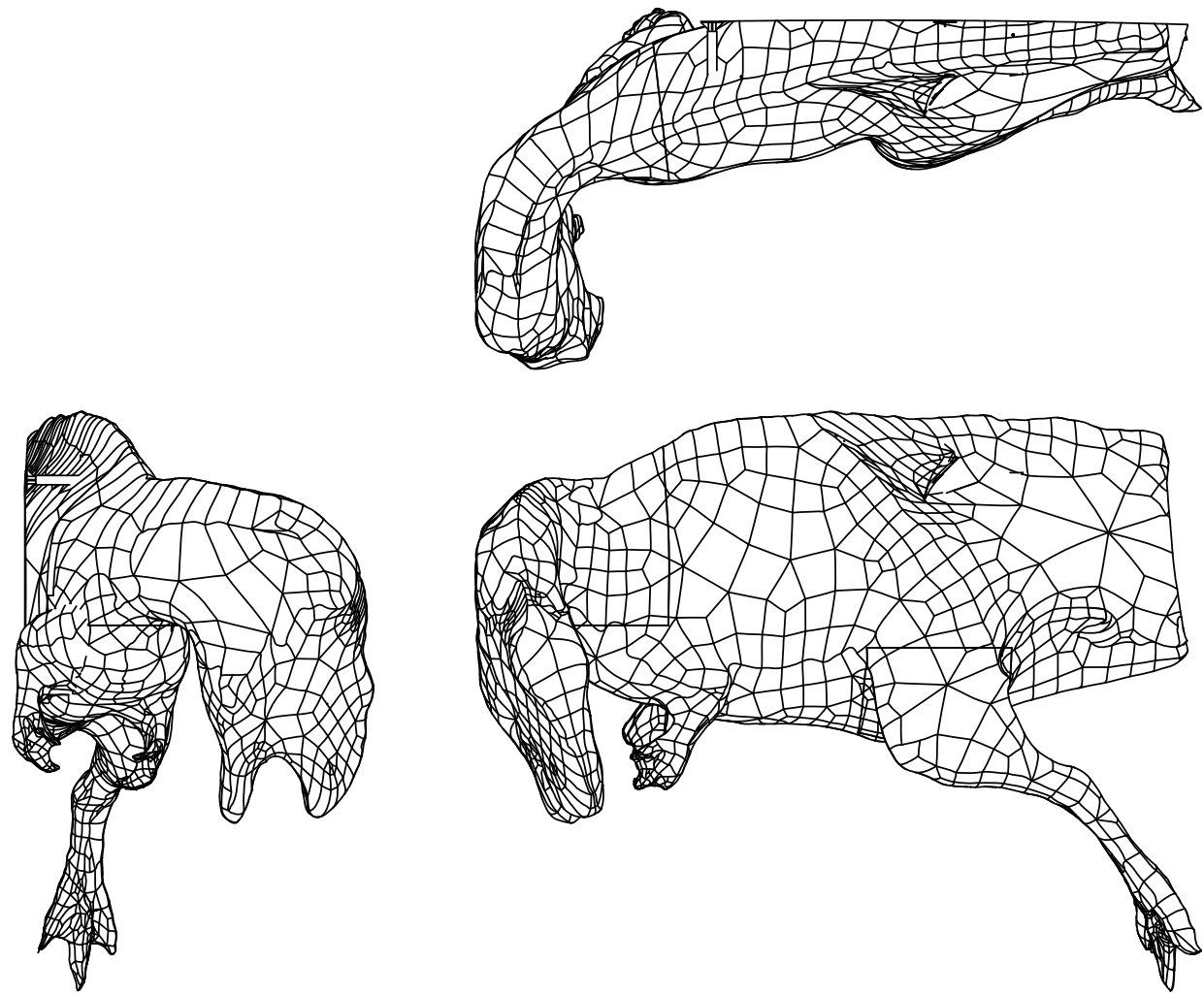
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### What's Happening Here

What you see here is model sculpting in progress. The model is in 1:4 ratio, meaning it is 1/4 the actual size of the finished sculpture! Yes, a full size version will be constructed on the exterior wall of the Arizona Museum of Natural History right where Pepper and Macdonald streets intersect. It will be awesome!

The dinosaur that the model is based on is *Acrocanthosaurus atokensis* which lived about 100 million years ago.