

CASE STUDY

HOLOCAUST MUSEUM HOUSTON

CUSTOM BUTTERFLY SCULPTURE

The custom butterfly mobile at the Houston Holocaust Museum included 1,500 butterfly shapes. It was installed within the museum's large atrium, spanning three floors. The butterflies hold high significance to the museum, as they are made to represent a child lost during the holocaust. Thus, the installation of the mobiles has the butterflies undulating upward, towards the sky.

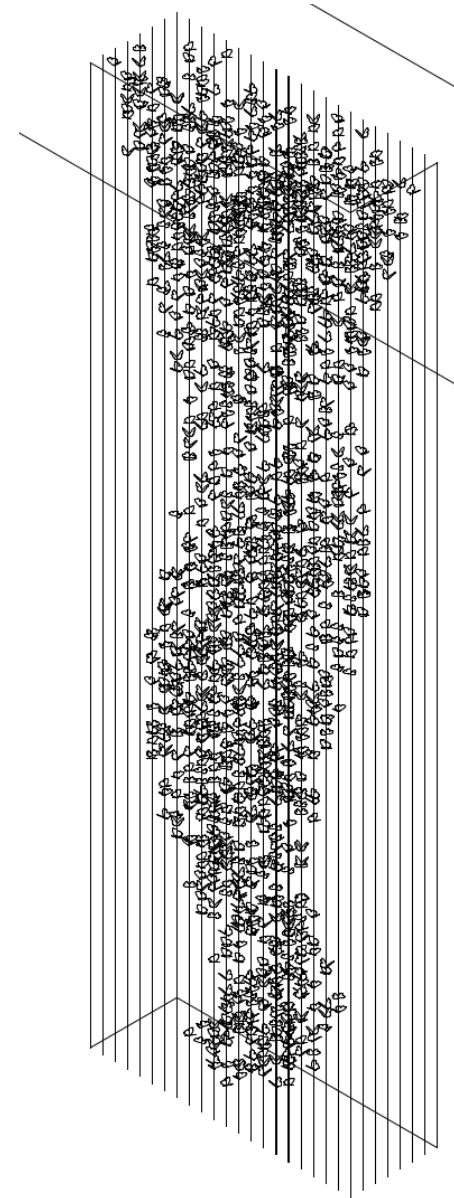
LOCATION: Houston, Texas

DESIGNER: Ralph Applebaum Associates, Inc.

OVERALL DIMENSIONS: Approx. 32'-8"H x 11'-2"L x 5'-3"W

FIXTURE STYLE: Butterfly mobile

DESIGN SERVICES: SketchUp model, detail development, material suggestions, mock up and sampling, fabrication



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CONCEPT INSPIRATION



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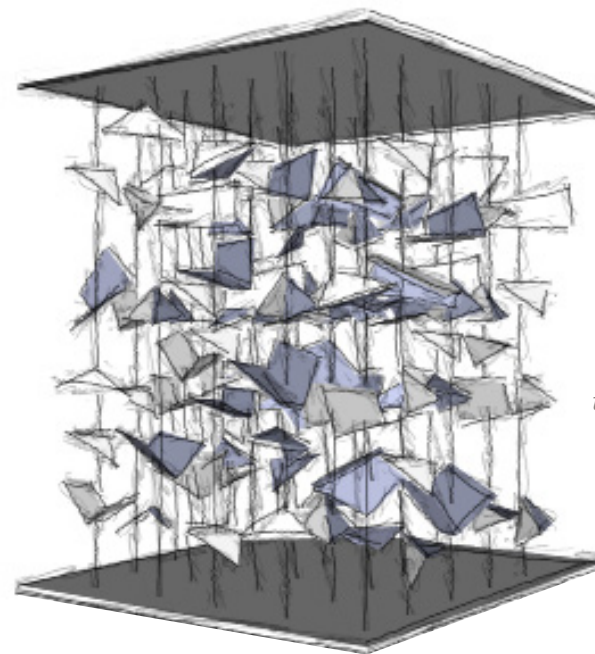
CONCEPT INSPIRATION



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CONCEPT DEVELOPMENT

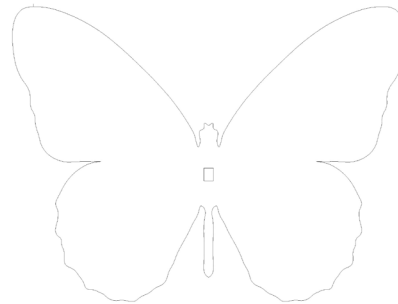
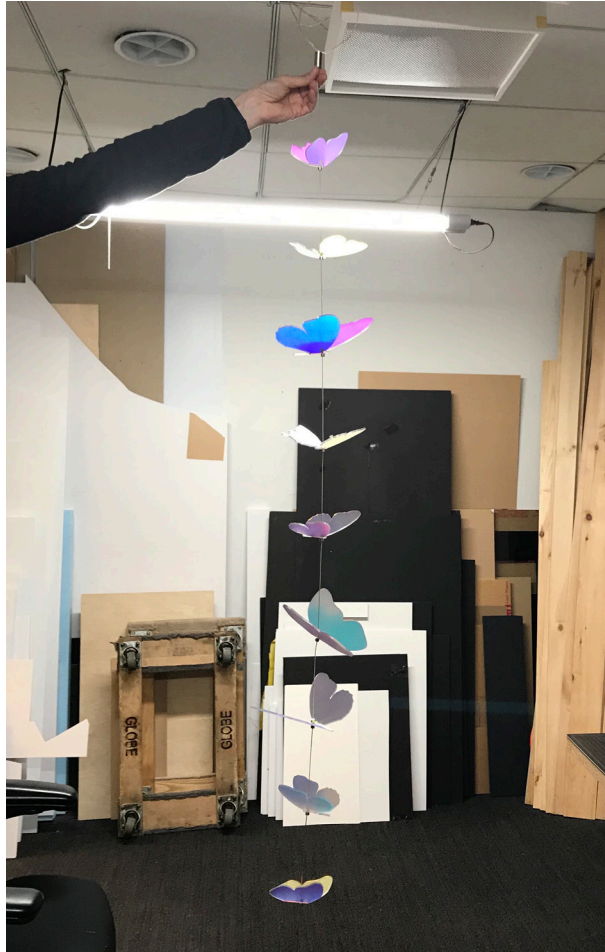


*MockUp Concept
Design showing
mobile housing
(Note: shapes are
for illustrative
purposes only,
butterfly shapes
to be used for built
mockup)*

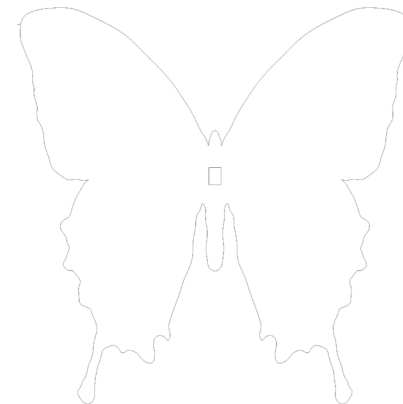
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CONCEPT DEVELOPMENT



L BUTTERFLY A.CNC
Notes:
Size X: 7.907 Y: 5.518 Z: 0.000

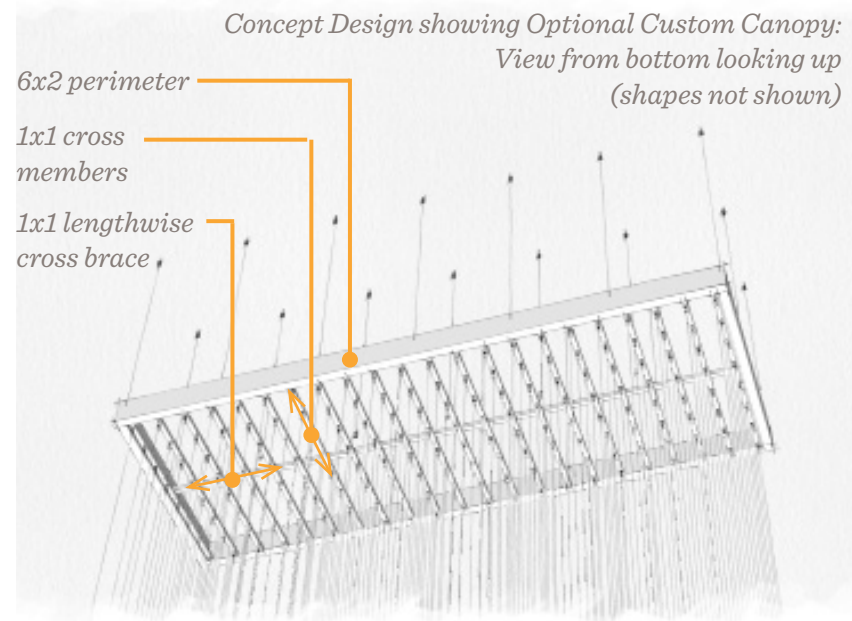


L BUTTERFLY C.CNC
Notes:
Size X: 6.001 Y: 5.574 Z: 0.000

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PROJECT CONCEPTS

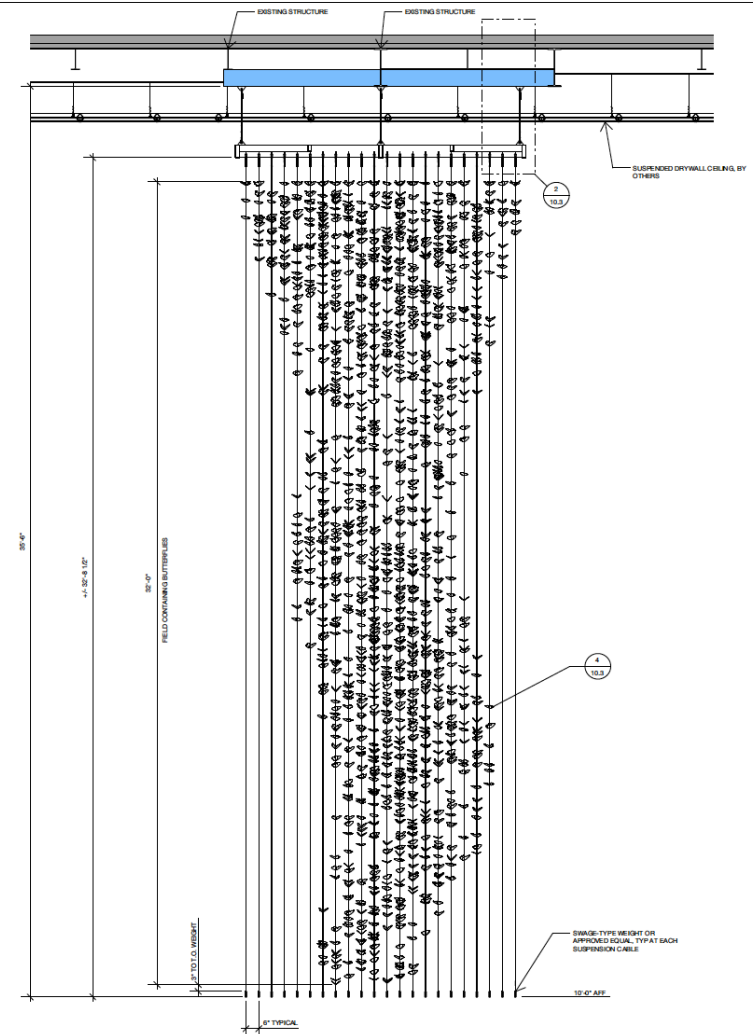
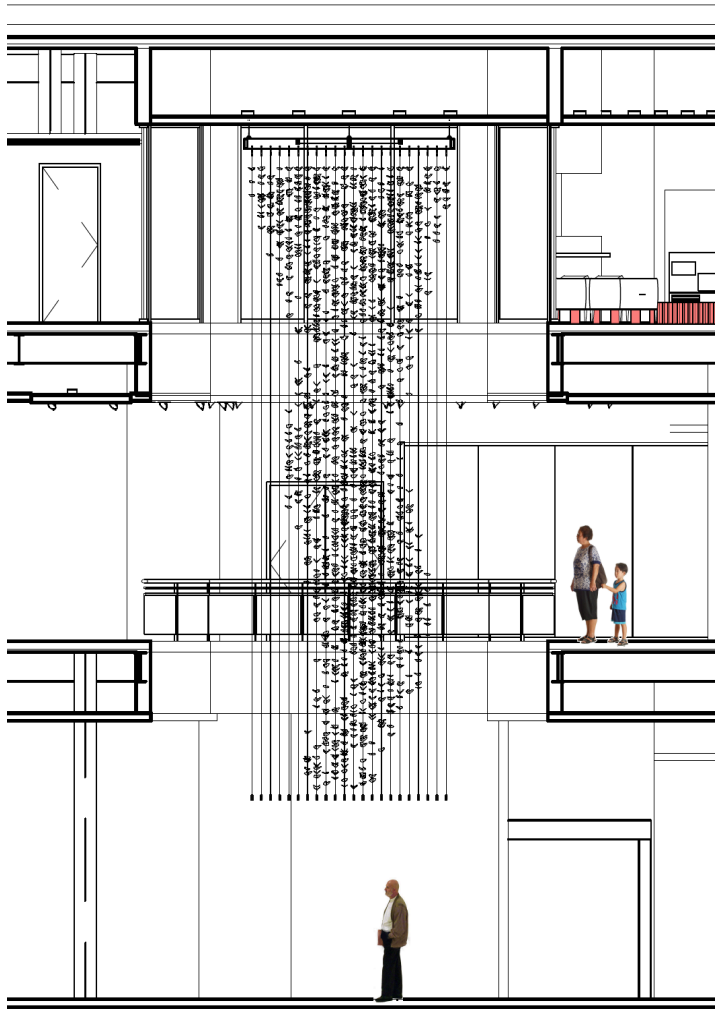


*Final canopy & hardware details TBD during submittals.
Canopy design is an approximation for concept illustration only.*

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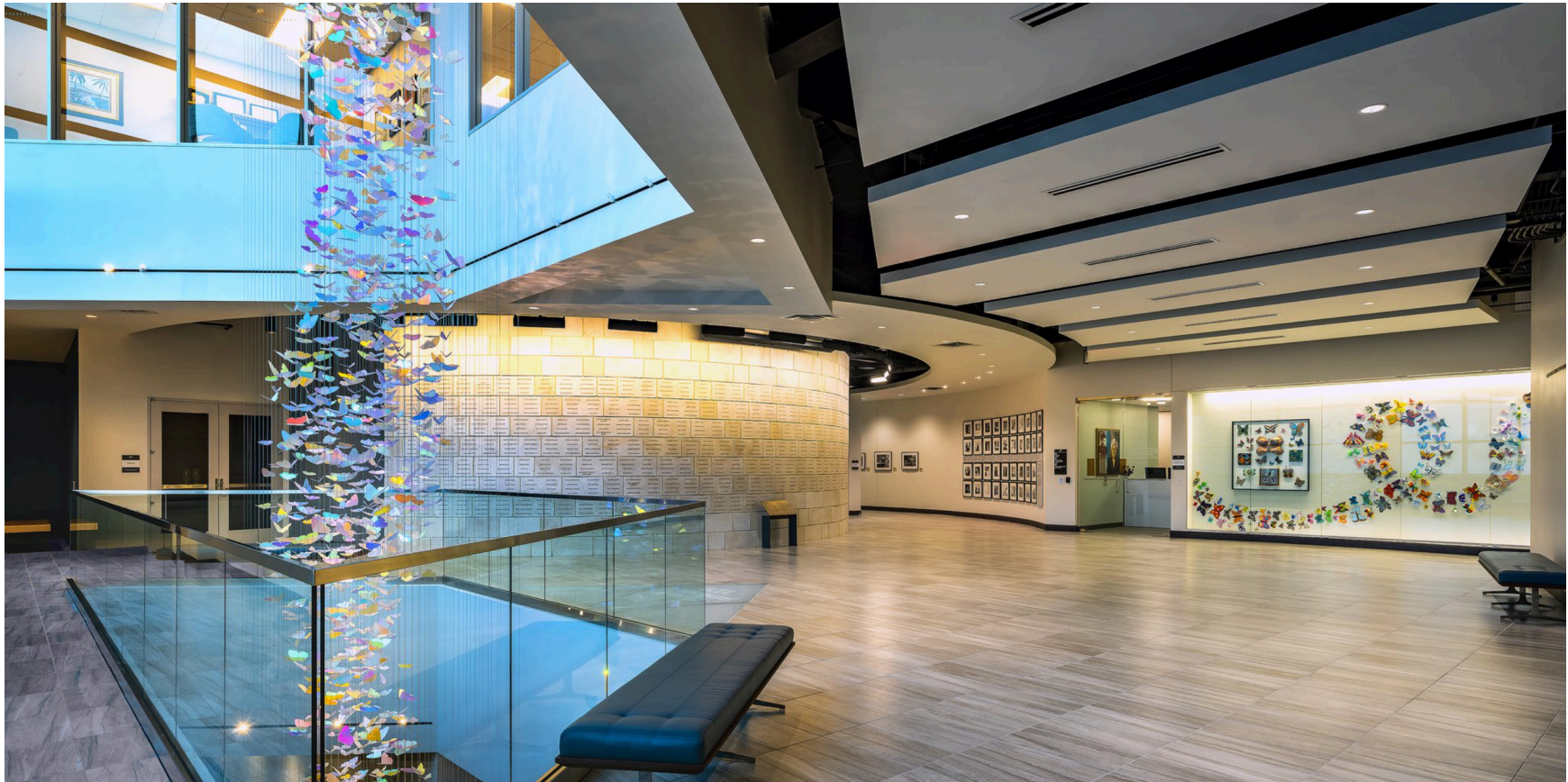
PROJECT LAYOUT + DESIGN



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FINAL PROJECT



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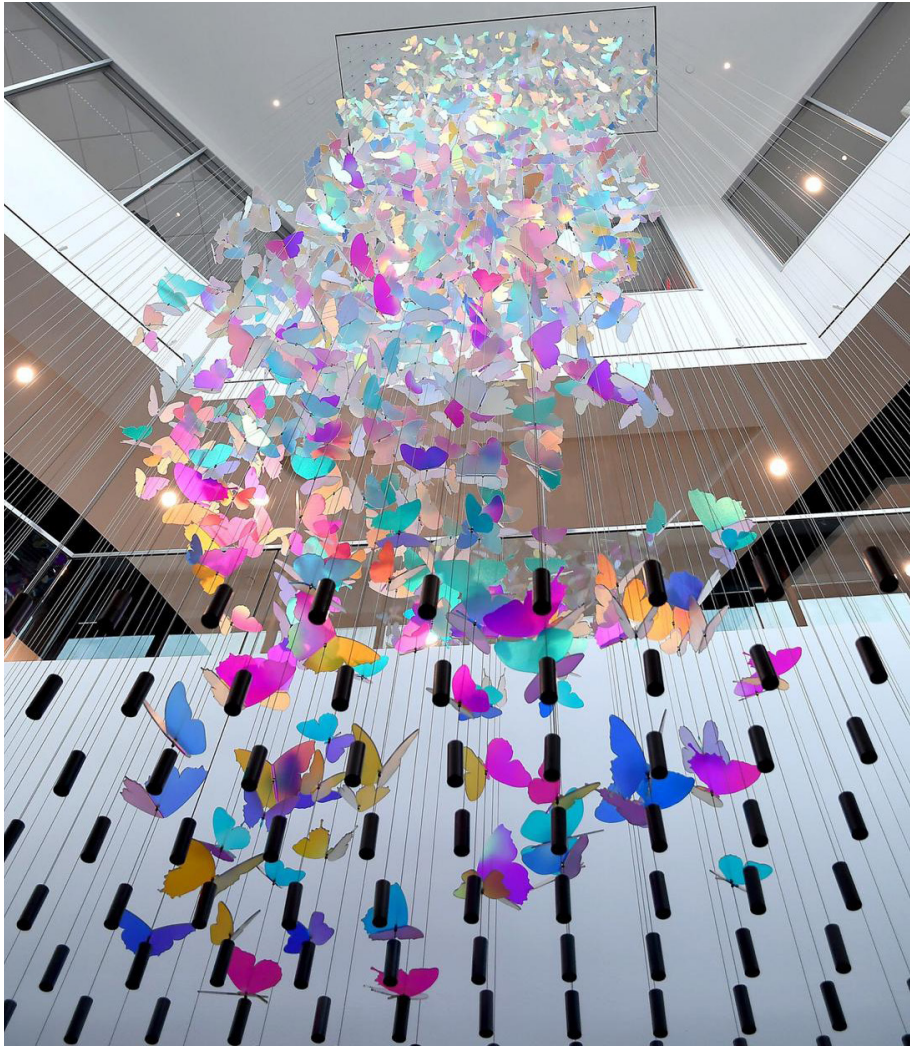
FINAL PROJECT



CASE STUDY

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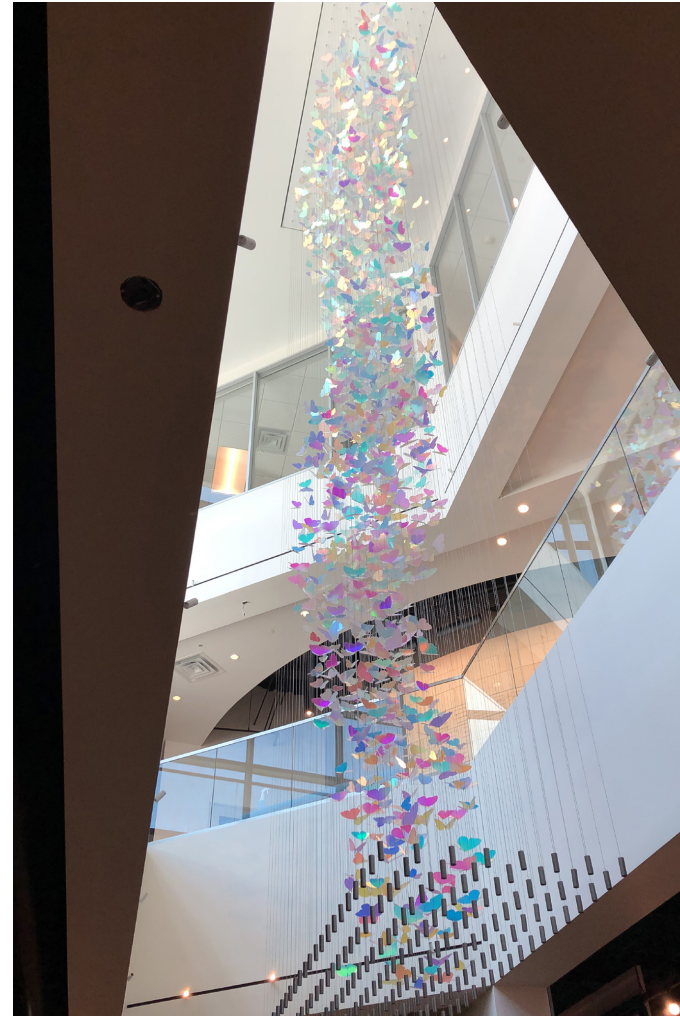
FINAL PROJECT



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FINAL PROJECT



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FINAL PROJECT SPECS

Custom mobile composed of (1500) Butterfly shapes.

Overall Dimensions: Approx. 32'-8"H x 11'-2"L x 5'-3"W

Individual Butterfly Dimensions: 30% Approx. 8"L x 6"W

40% Approx. 7"L x 5"W

30% Approx. 5"L x 3.5"W

MATERIALS

Butterfly Shapes: 1/8" Varia Ecoresin

- Dichroic - 50% Solar & 50% Lunar

- Front Finish: Sandstone // Back Finish: Sandstone

LIGHTING

- Lighting not included - architectural or existing lighting by others

HARDWARE

- (176) 3/64" stainless steel cables, 40' trimmed to approx. 32'-8"H

- Stainless swage at bottom of each butterfly shape on cable

- Cable grippers attach to custom canopy, (1) per cable

- Plumb weight attached to bottom of each cable, weight/dimensions TBD

- (1) Custom Canopy: Approx. 11'-2"L x 5'-3"W canopy, powder-coated matte silver. Canopy is composed of 6"x2" metal tube perimeter with 3/4"x3/4" metal square cross members & (1) 1"x1" metal cross brace. Canopy suspended via 8'-0" stainless steel cables (final cable count TBD). Cables and cable sleeves/thimble attach to hanger tab (hanger tab by others).