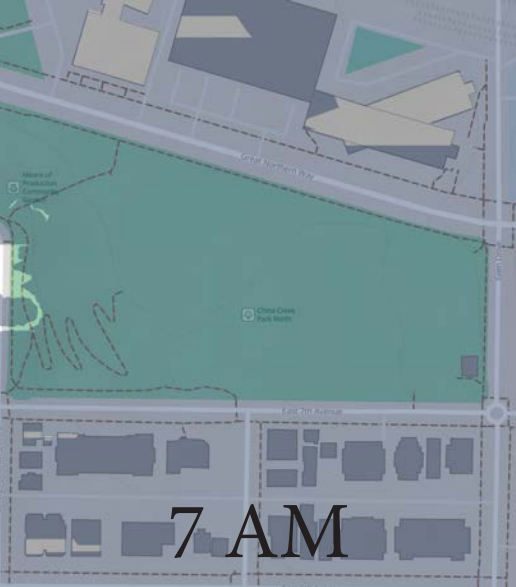


Exercise 3a
Jamie Schmitt

Site Analysis and Research



7 AM



8 AM



9 AM



10 AM



11 AM



12 PM



1 PM



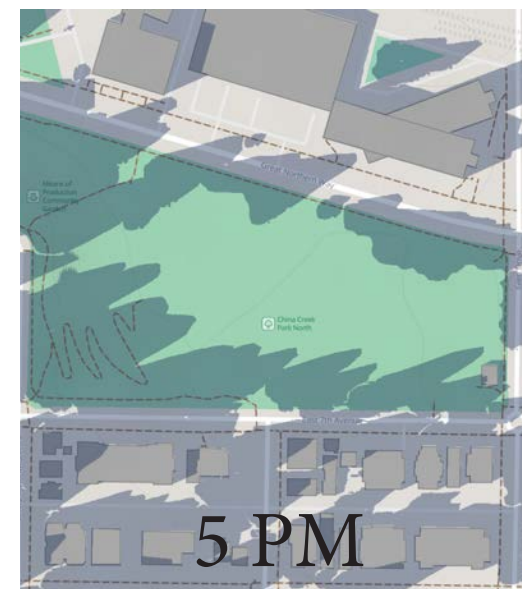
2 PM



3 PM



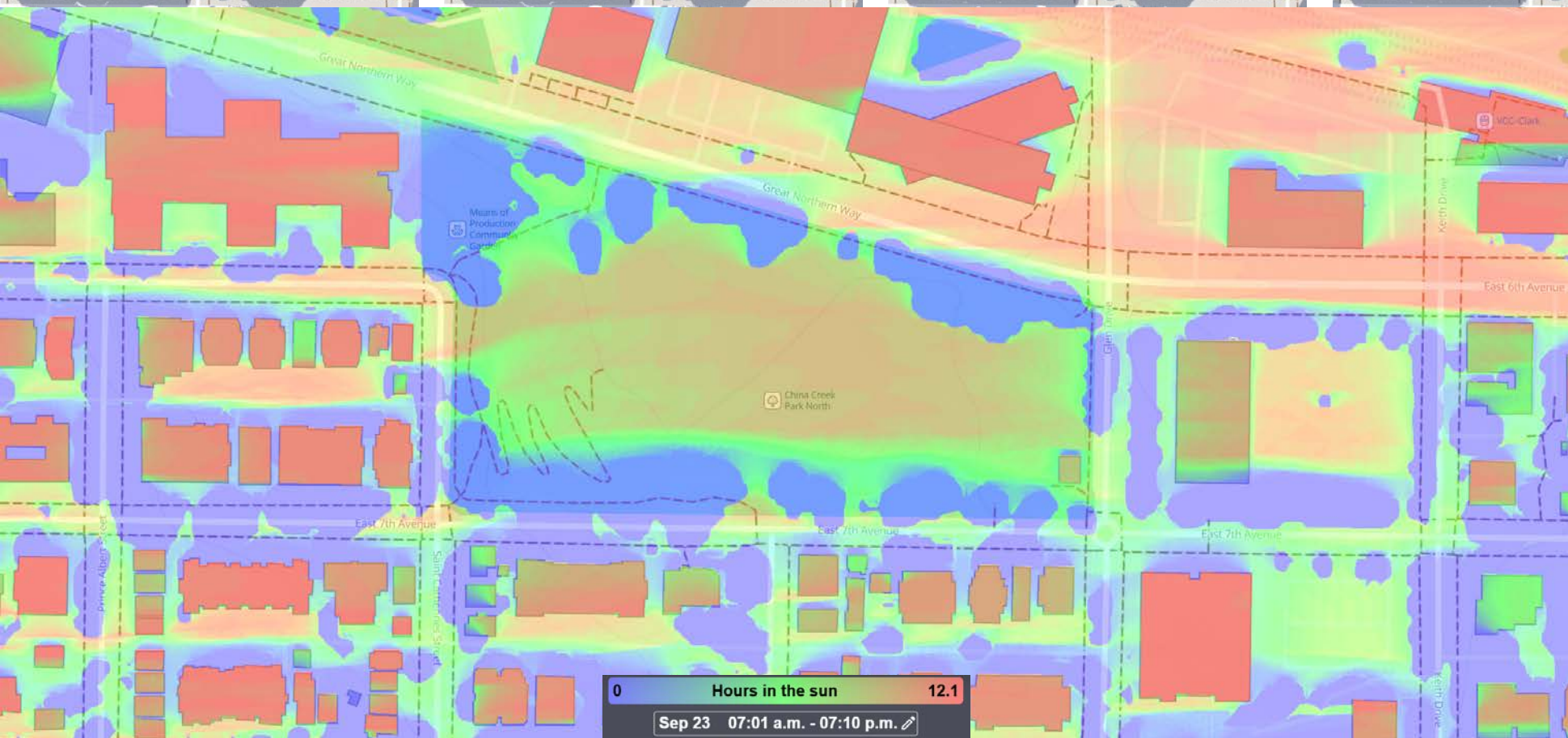
4 PM



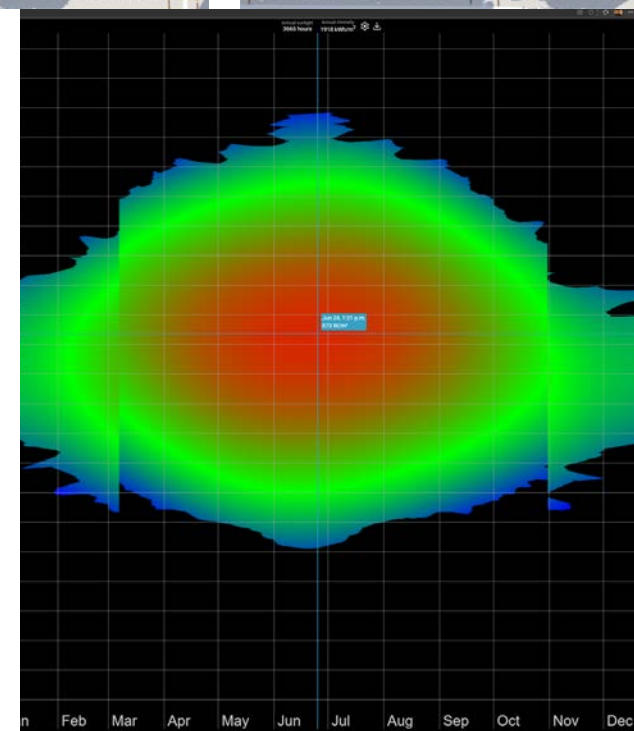
5 PM



6 PM



Hours in the sun 12.1
Sep 23 07:01 a.m. - 07:10 p.m.

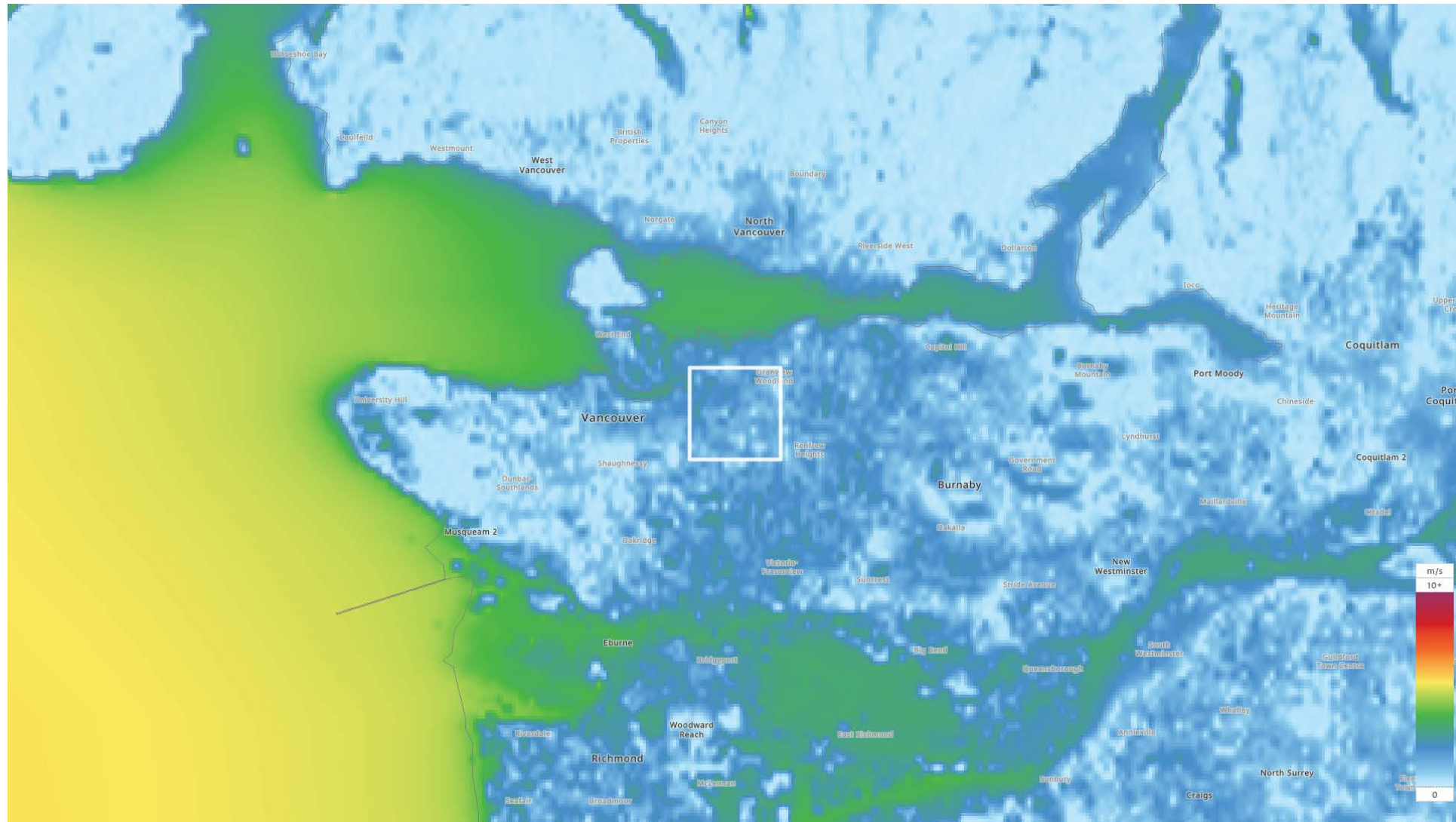


Annual Sunlight: 3665 Hours

Annual Intensity 1918 kWh/m²

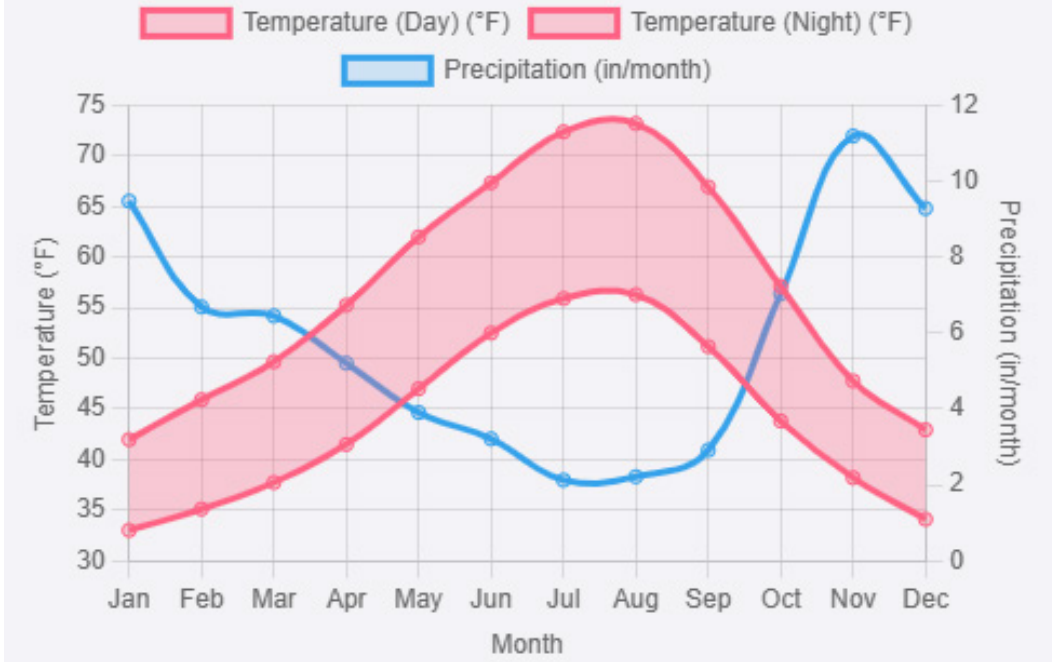
Sun and Shadow Study

GLOBAL WIND ATLAS
MEAN WIND SPEED AT 10m
WIND SPEED



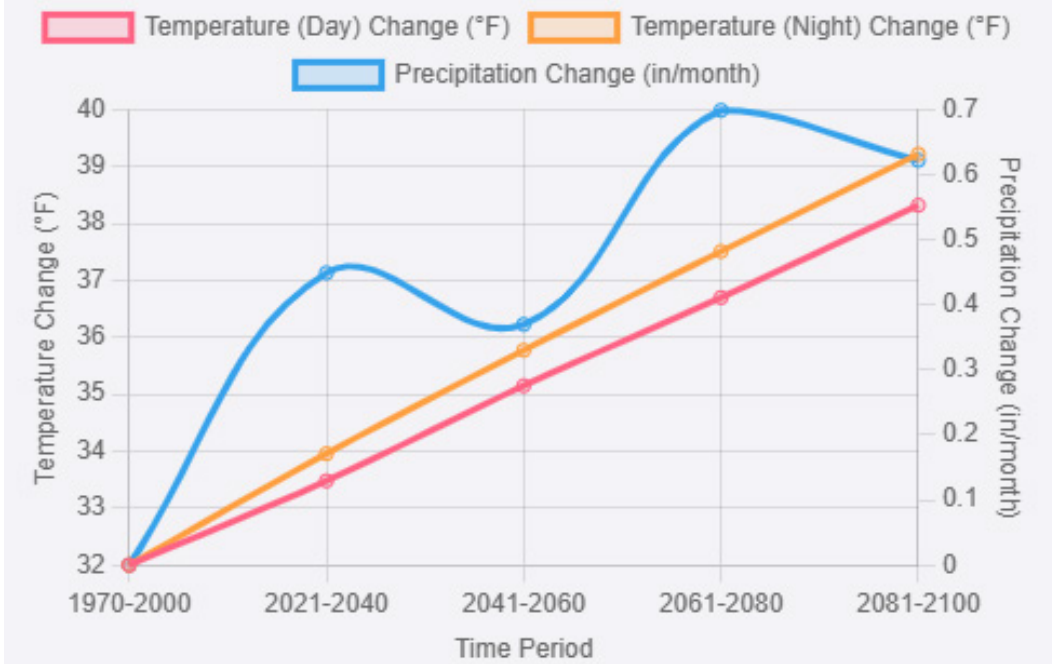
Vancouver, Canada

Climate by Month 1970-2000

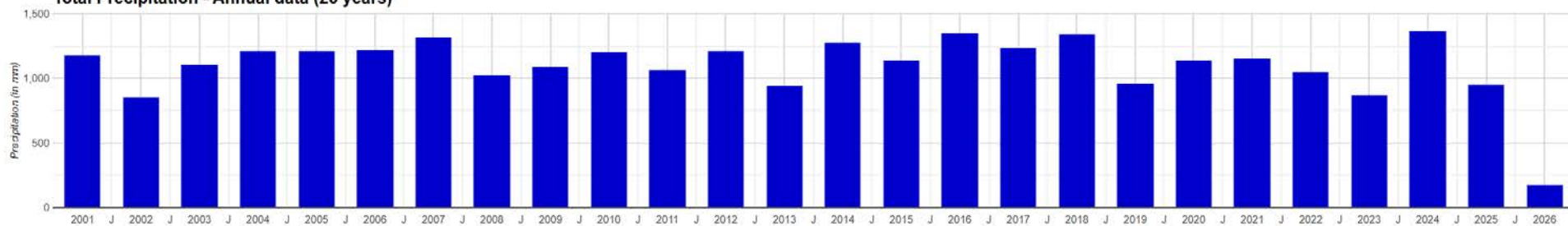


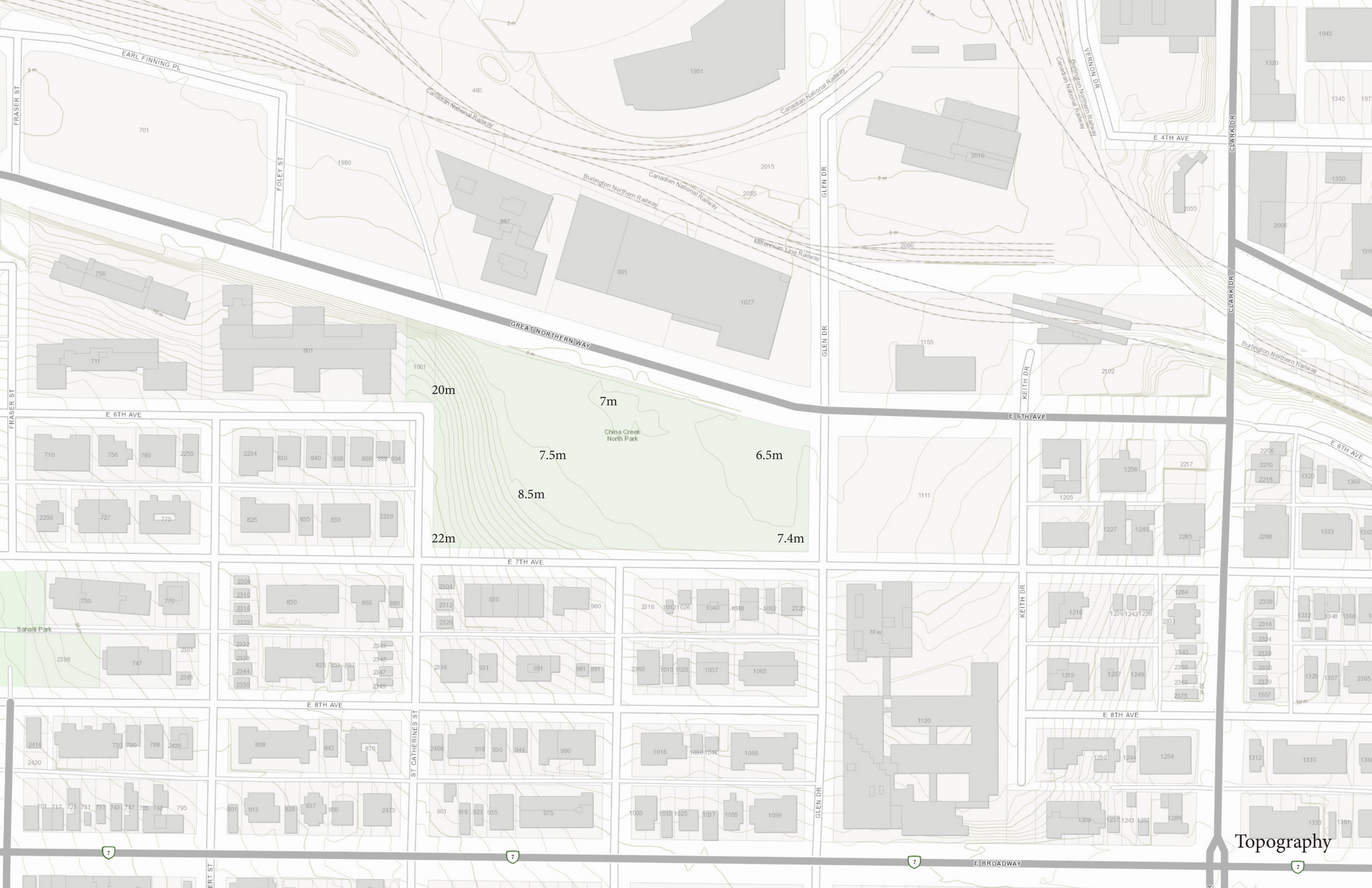
Vancouver, Canada

Climate Change Over Time (February) - SSP370 - ENSEMBLE MEAN

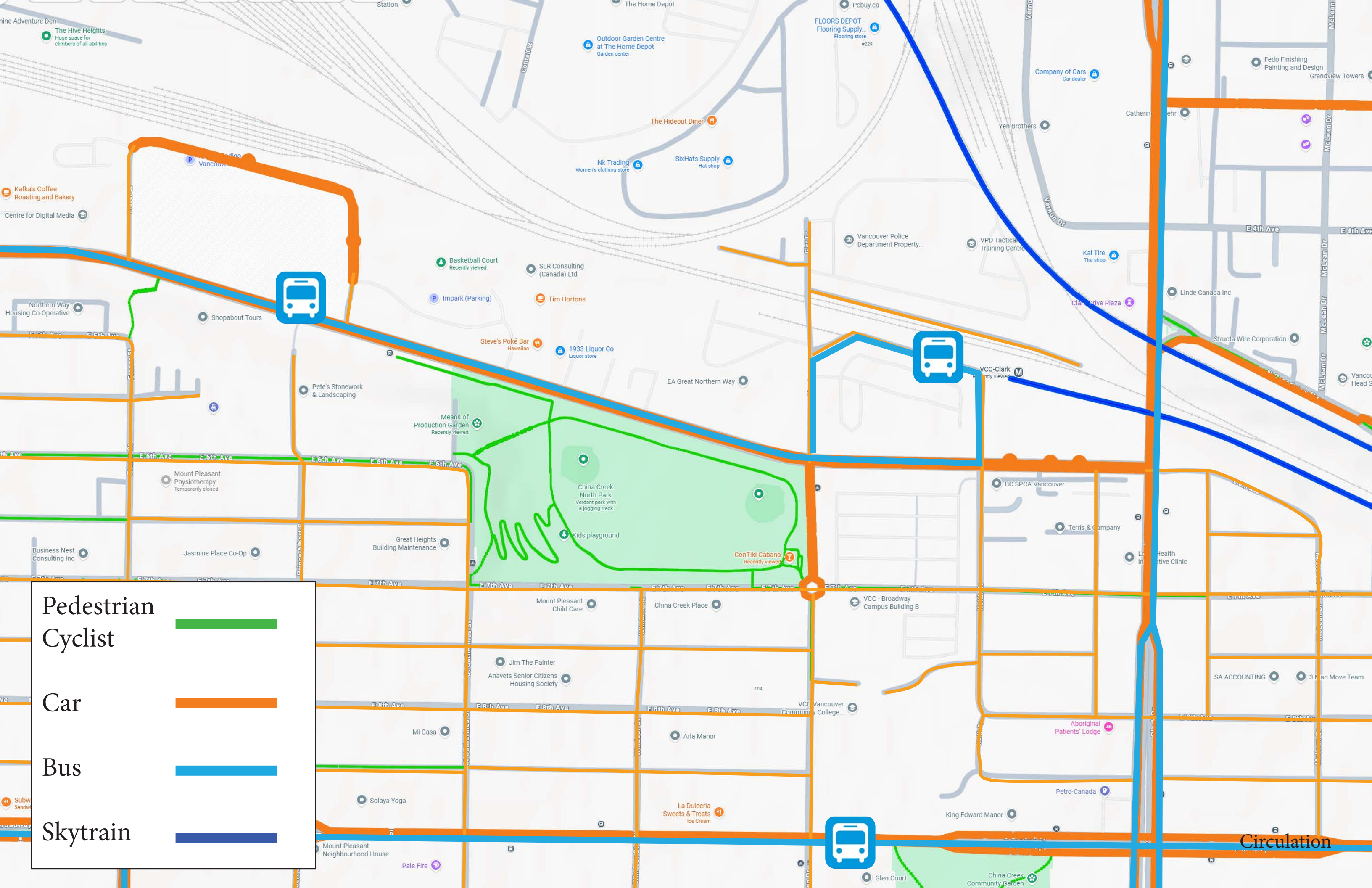






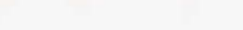
Total Precipitation - Annual data (25 years)





Topography



Pedestrian	
Cyclist	
Car	
Bus	
Skytrain	

Circulation



- Residential ■
- Commercial ■
- Educational ■
- Public ■

Fraser St
Great Northern Wy

Fraser St
E 6th Ave

Fraser St
E 7th Ave

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Fraser St
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Fraser St
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Foley St
Great Northern Wy

Prince Albert St
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Prince Albert St
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Great Northern Wy

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Windsor St
Great Northern Wy

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Clark Dr
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Thresholds



- Residential █
- Commercial █
- Educational █
- Public █

- Pedestrian █
- Cyclist █
- Car █
- Bus █
- Skytrain █



Great Northern Wy

Great Northern Wy

Great Northern Wy

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Basketball Court

Impark (Parking)

SLR Consulting (Canada) Ltd

Tim Hortons

Steve's Poke Bar

1933 Liquor Co

EA Great Northern Way

Vancouver Police Department Property

VPD Tactical Training Centre

Kal Tire

Clark Drive Plaza

Shopabout Tours

Pete's Stonework & Landscaping

Means of Production Garden

China Creek North Park

Kids playground

ConTiki Cabana

Mount Pleasant Physiotherapy

Jasmine Place Co-Op

Great Heights Building Maintenance

Mount Pleasant Child Care

China Creek Place

VCC - Broadway Campus Building B

BC SPCA Vancouver

Terris & Company

Local Health Integrative Clinic

Sahali Park Playground

Hillside Estates

Jim The Painter

Anavets Senior Citizens Housing Society

VCC Vancouver College

Aria Manor

VCC Vancouver Community College

Aboriginal Patients' Lodge

Solaya Yoga

La Dulceria Sweets & Treats

Ice Cream

King Edward Manor

Petro-Canada

Pleasant Neighborhood House

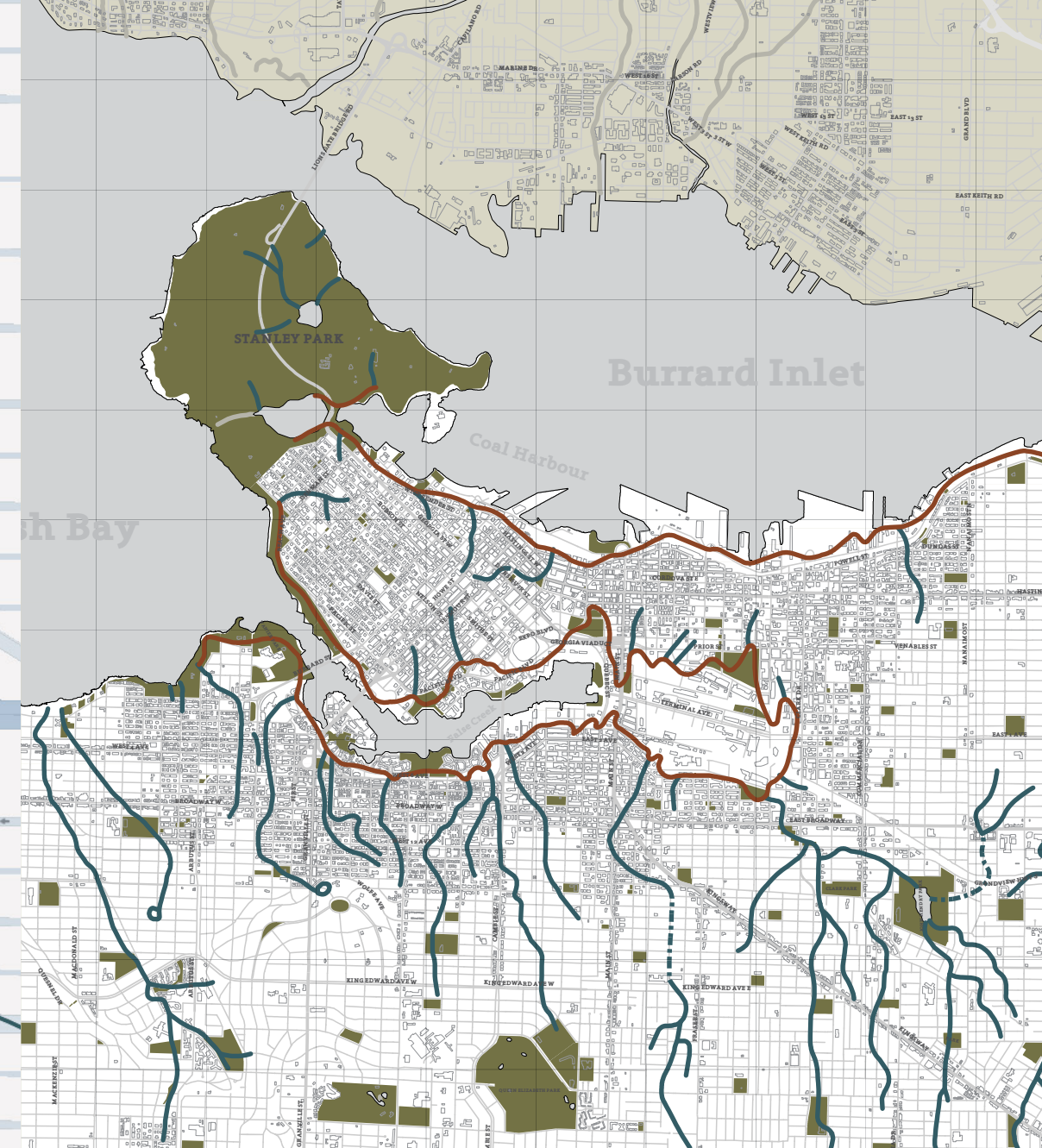
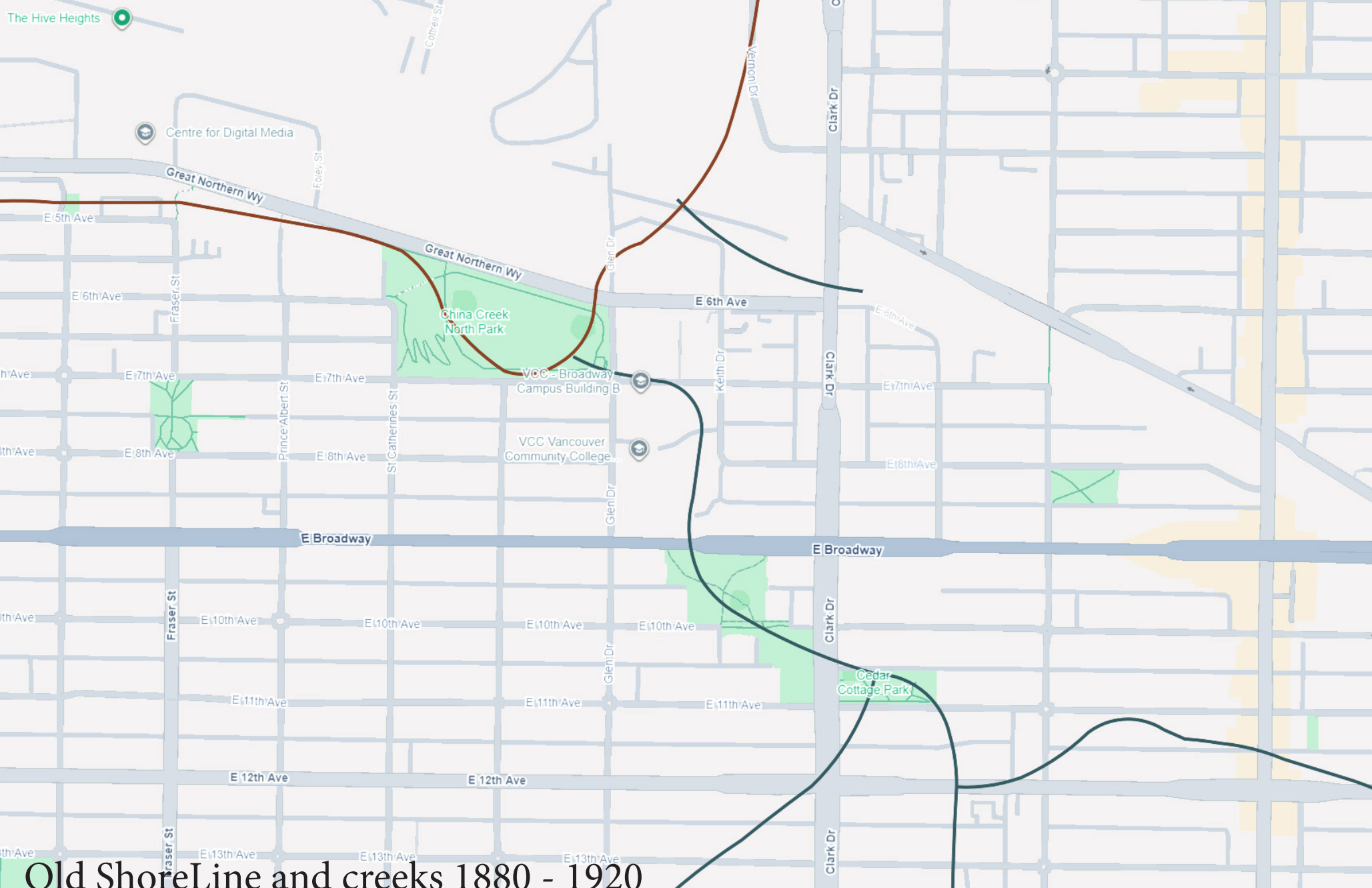
Pale Fire

Glen Court

China Creek Community Garden

Structa Wire Cor

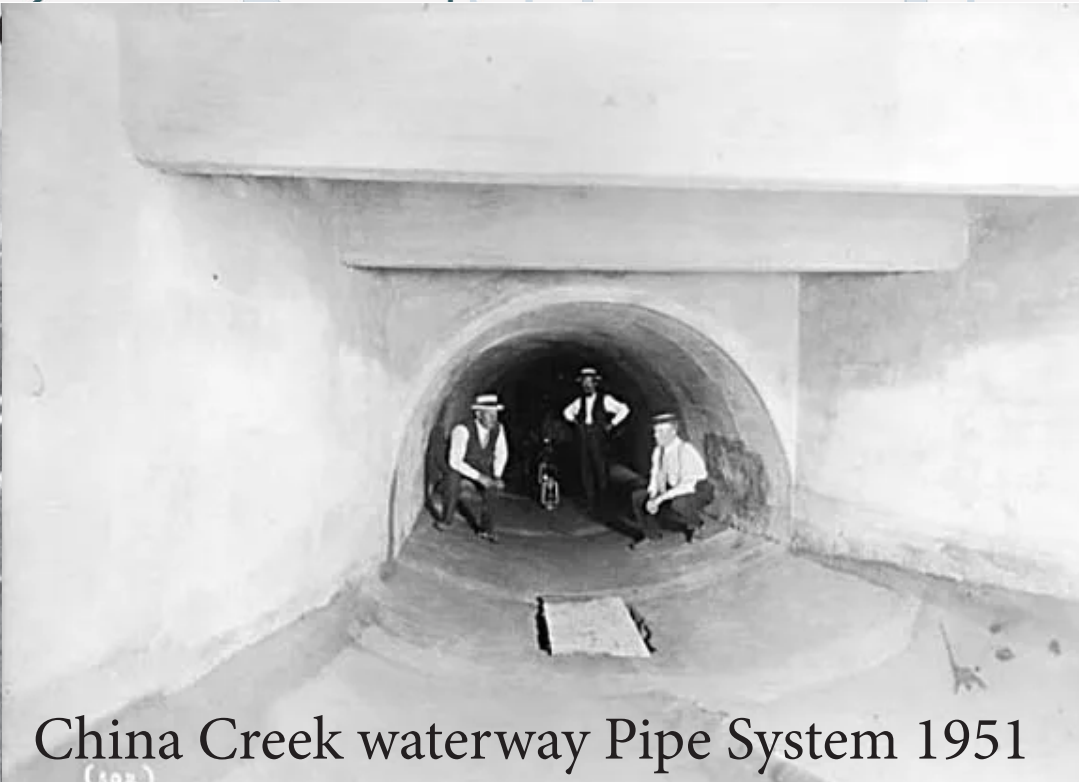
SA ACCOUNTING



Old ShoreLine and creeks 1880 - 1920



China Creek 1950



China Creek waterway Pipe System 1951

- 1888: Charles Cleaver Maddams purchased 5 acres in the region and names it China Creek after a nearby pig farm
- 1920's - 30s: Used as a garbage dump
- 1951: Pipe construction began along with revitalization efforts



Means of Production
Garden

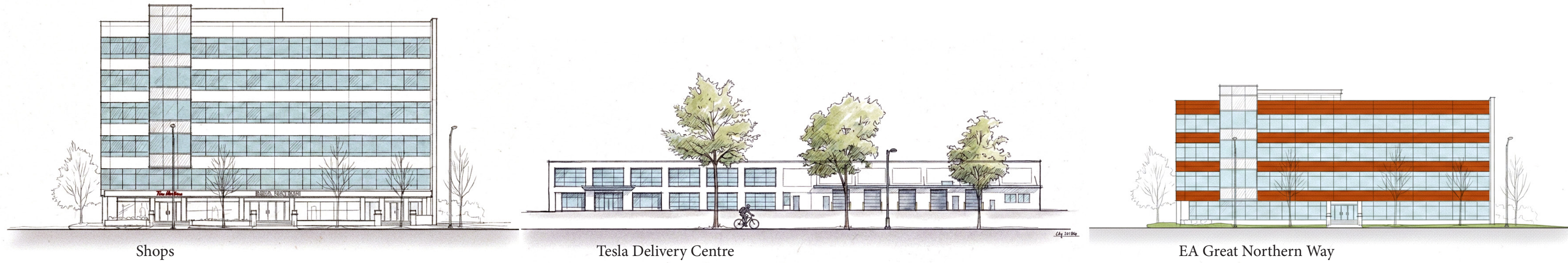
Exercise Equipment

Snow Sledding

Geo Caches

Culture

North Elevation



South Elevation



Residential Dwellings

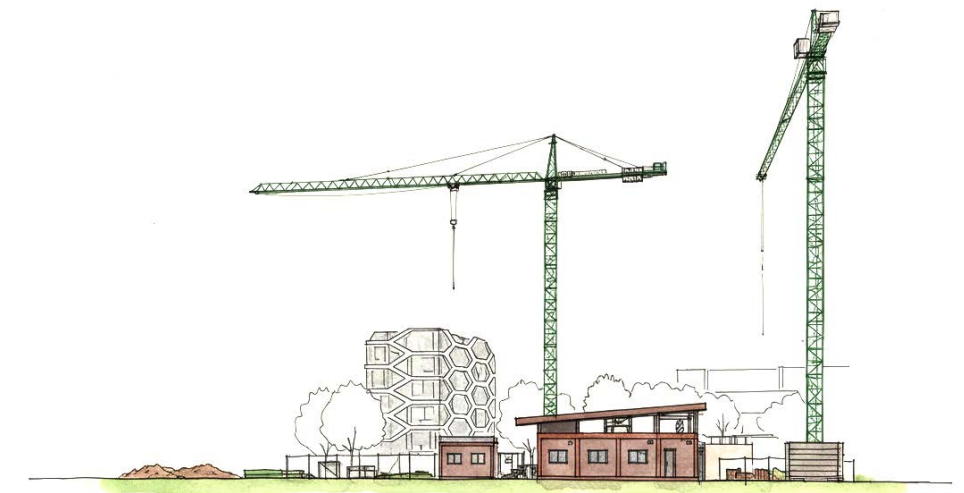
Childcare Centre

West Elevation



Residential Dwellings

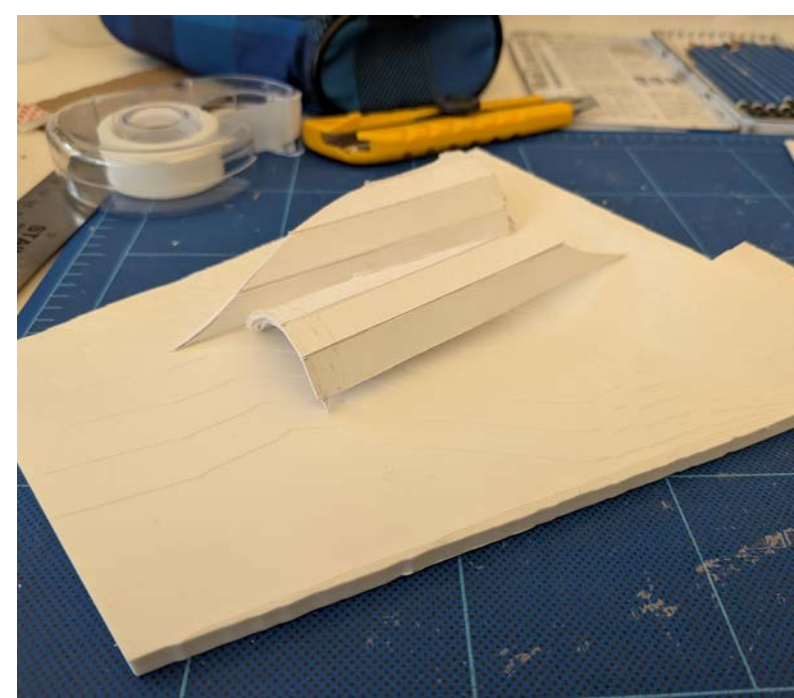
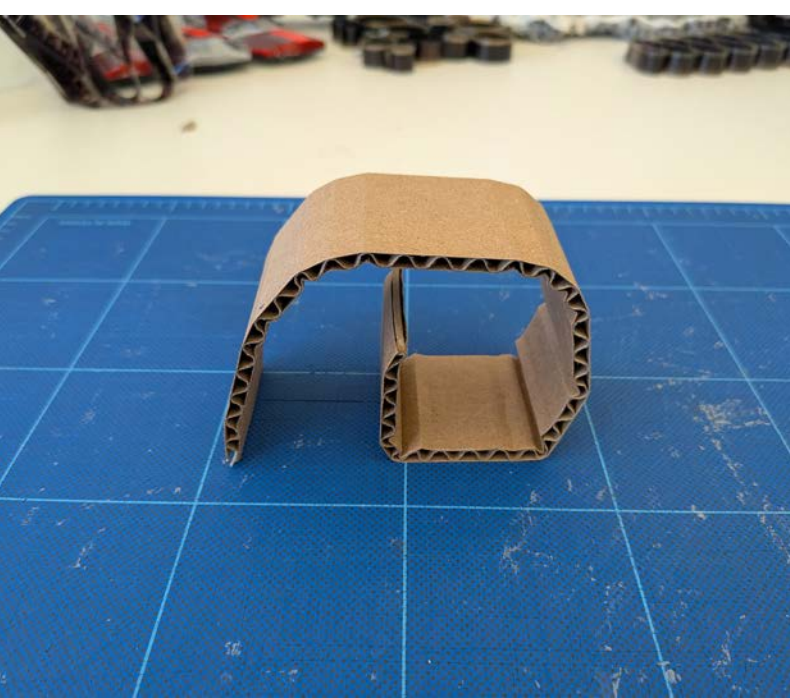
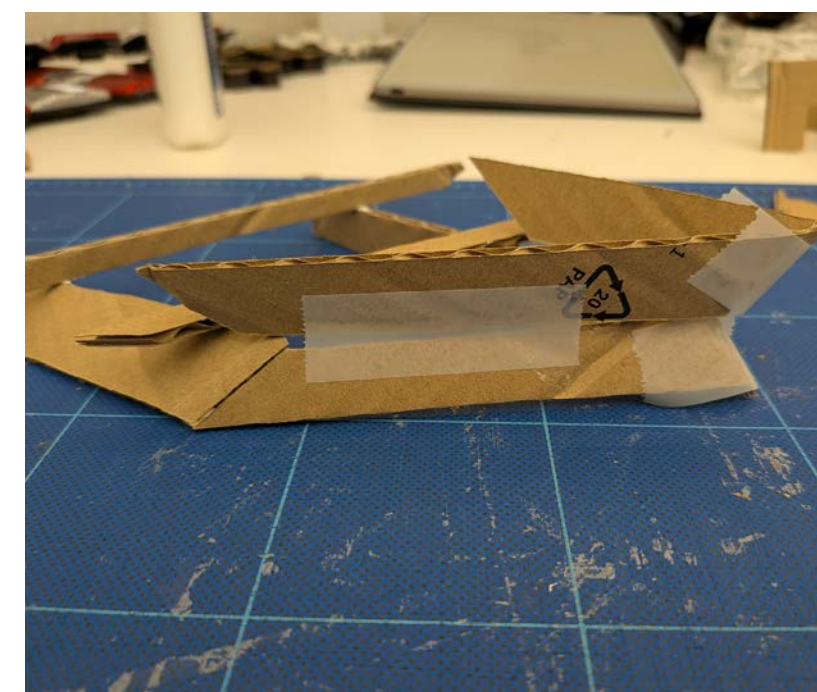
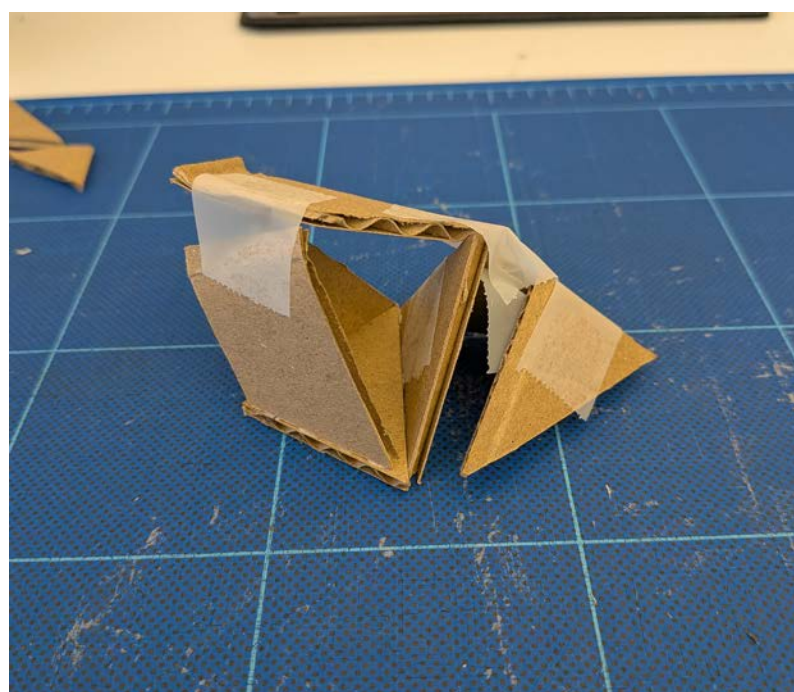
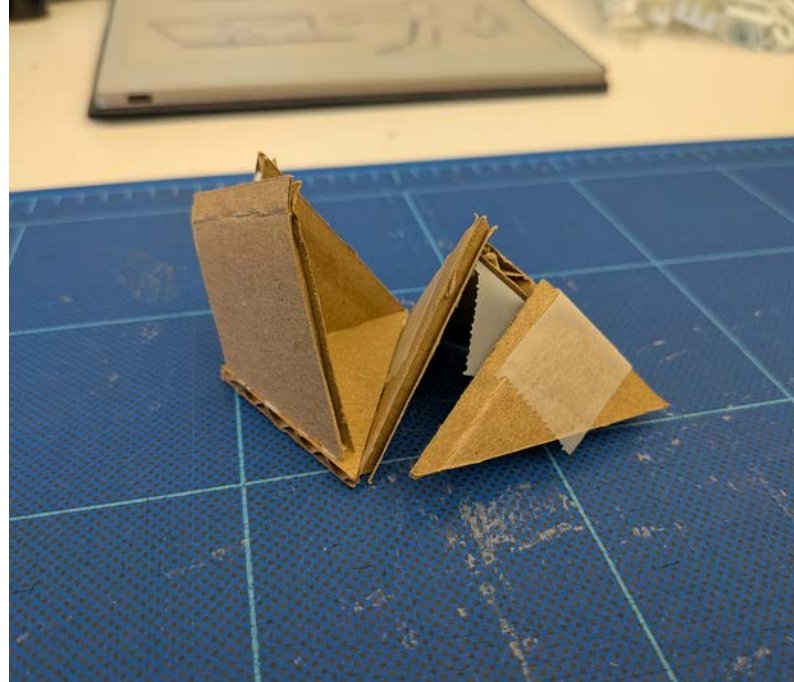
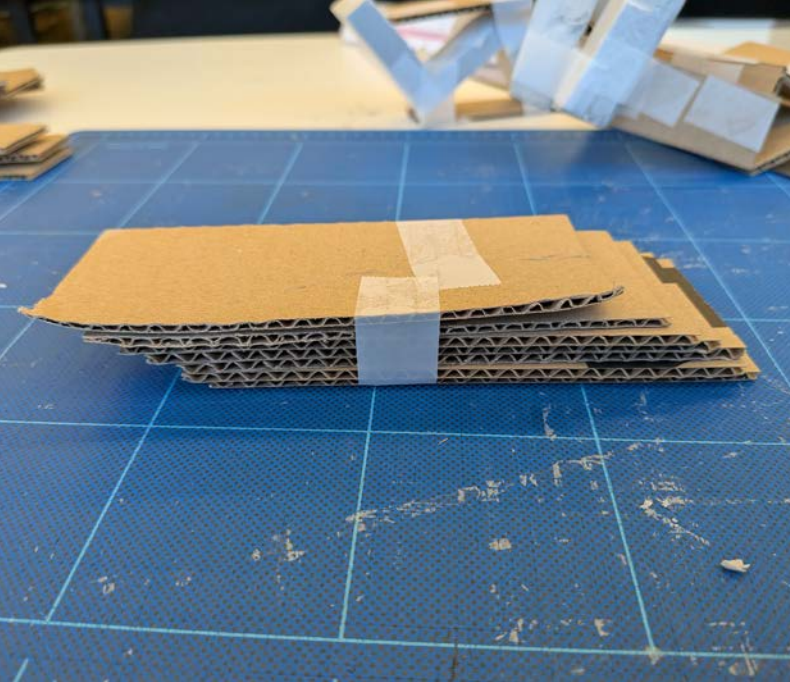
East Elevation

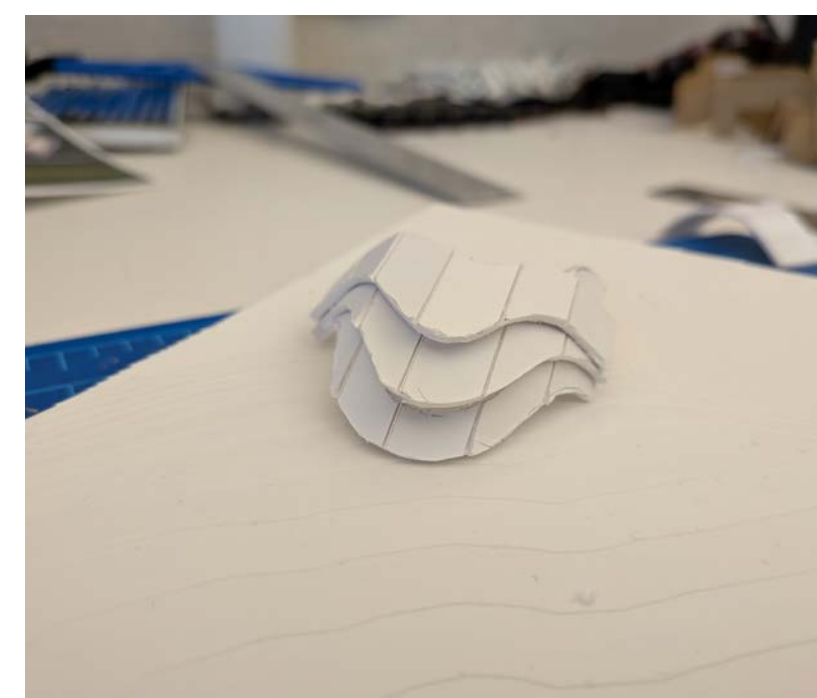
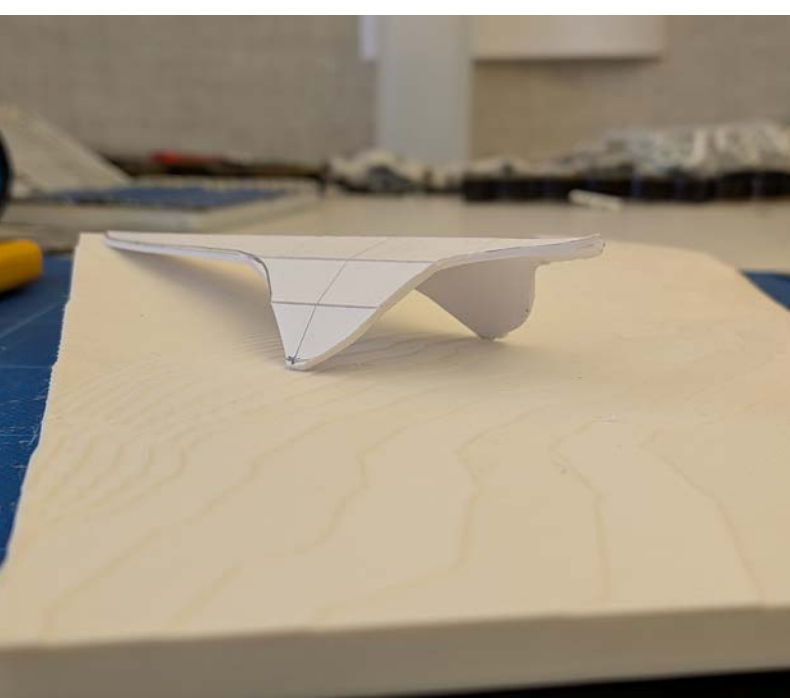
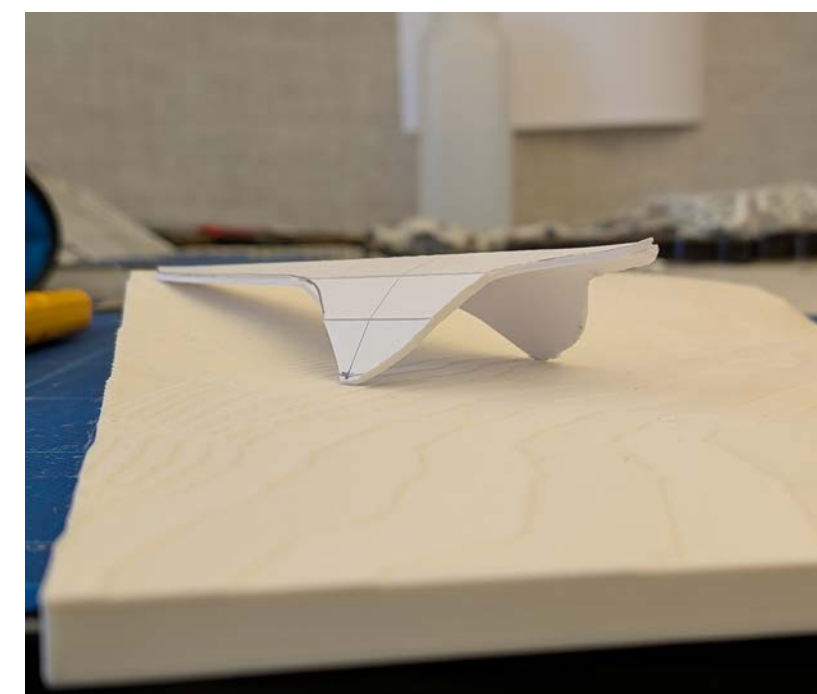
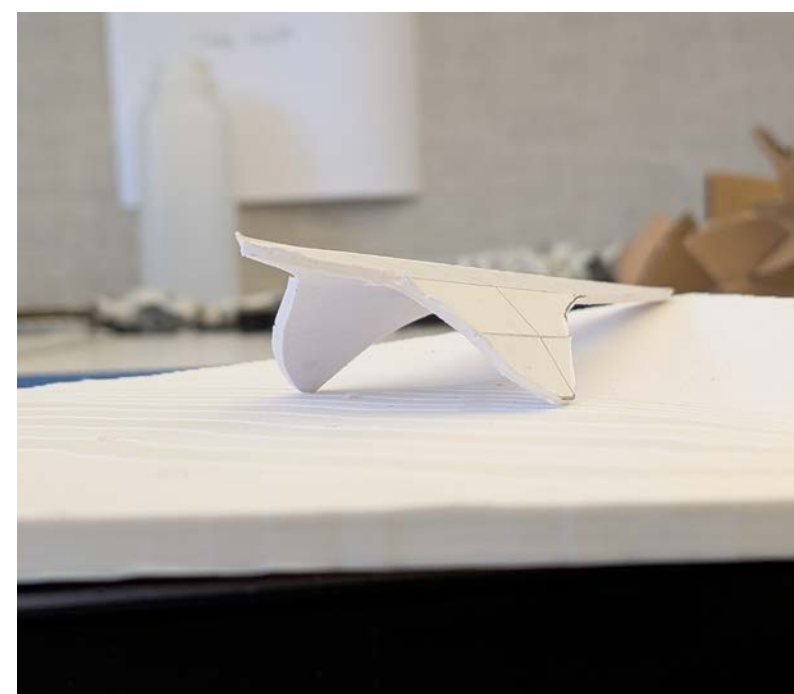
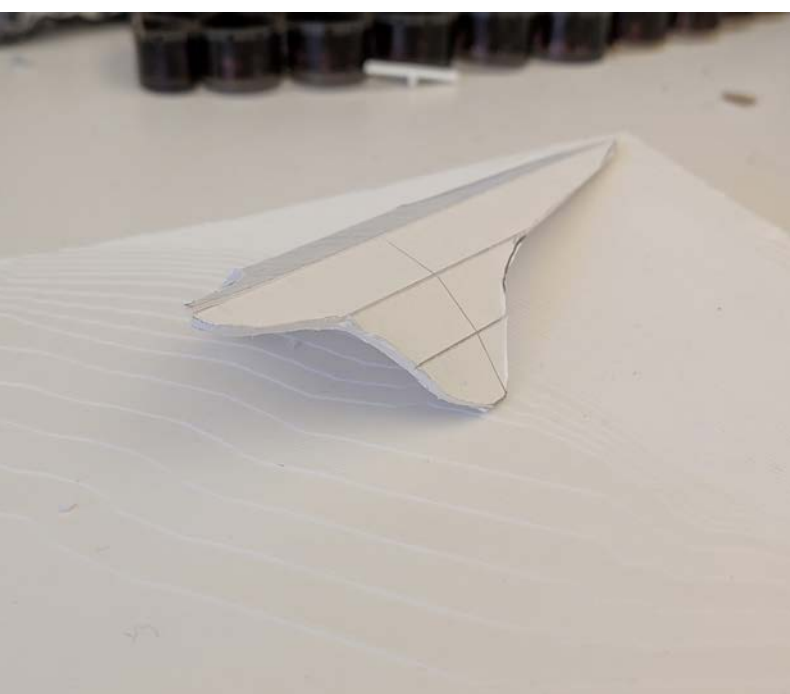


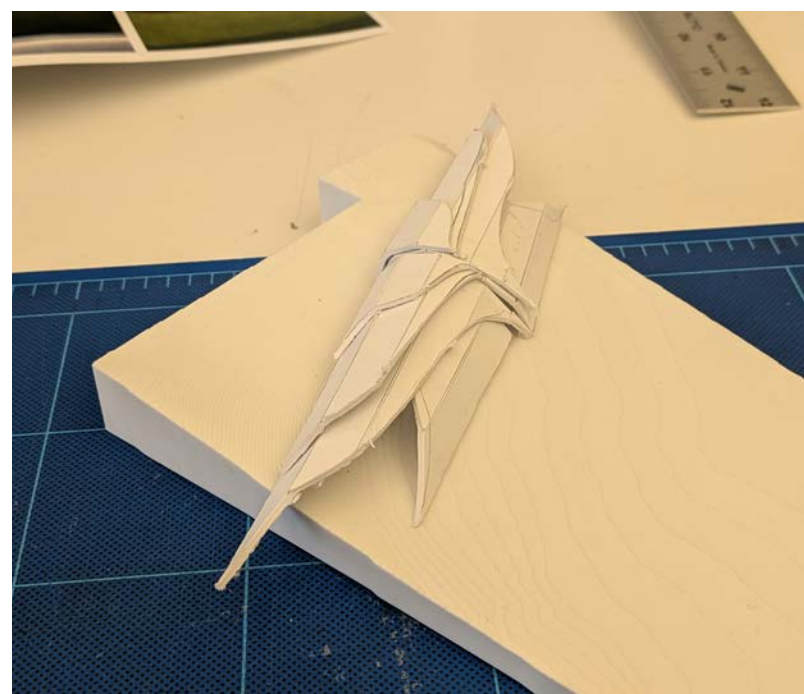
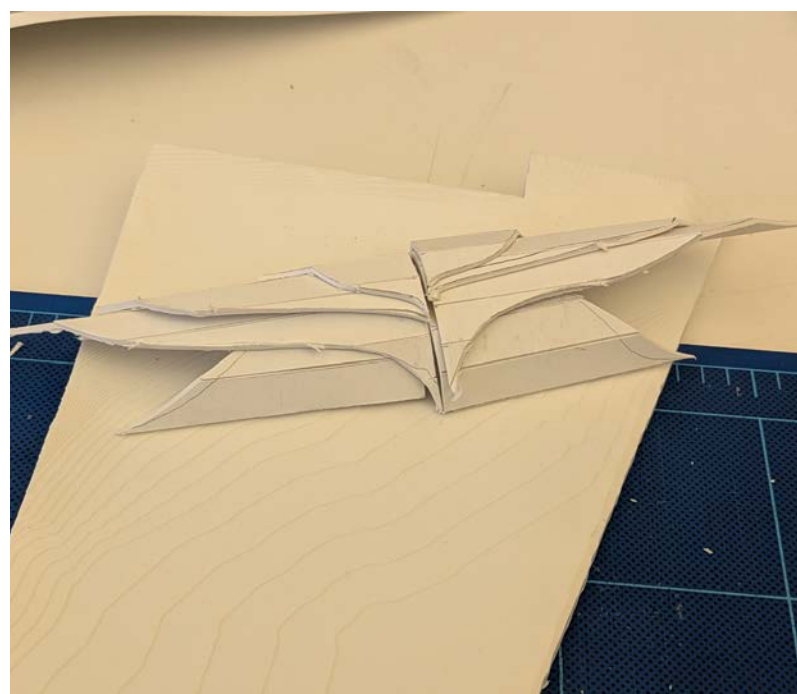
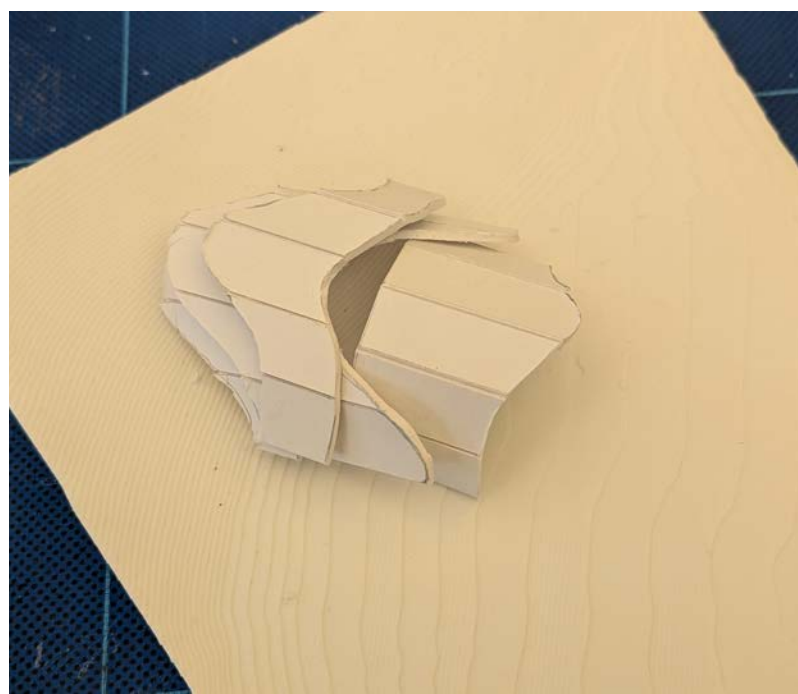
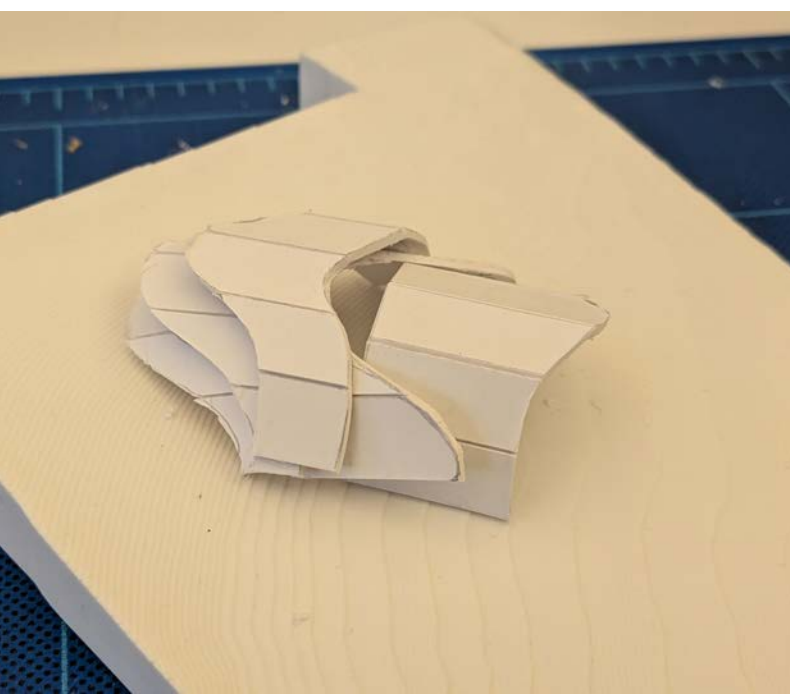
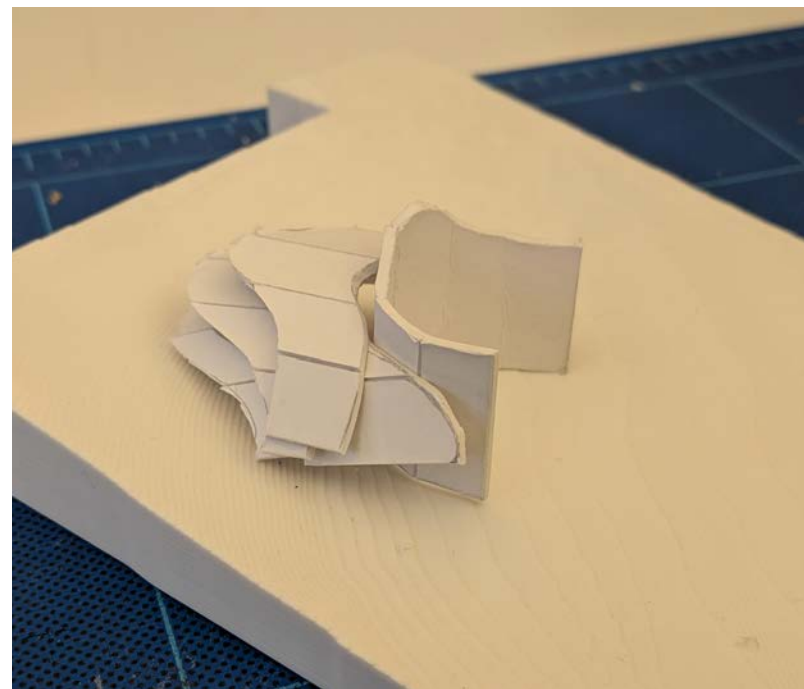
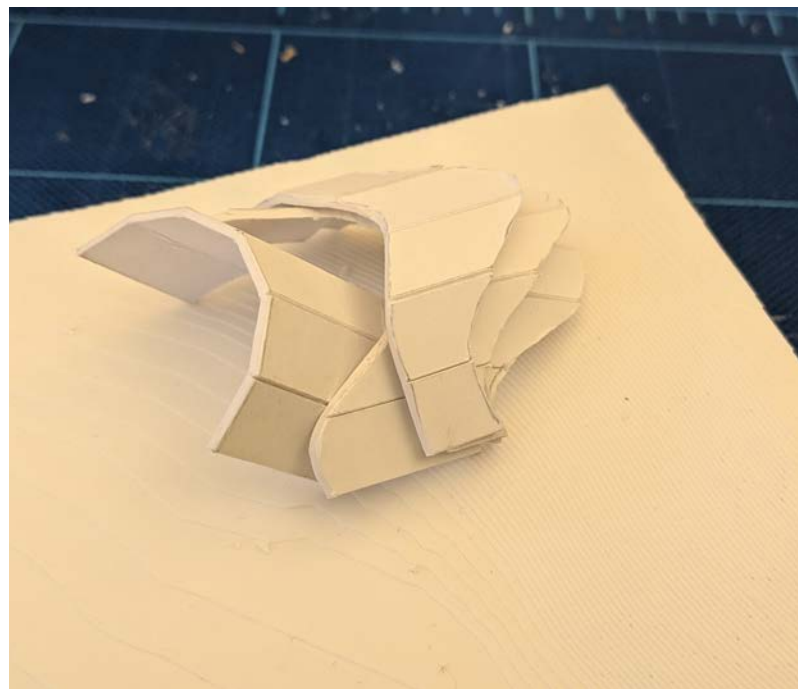
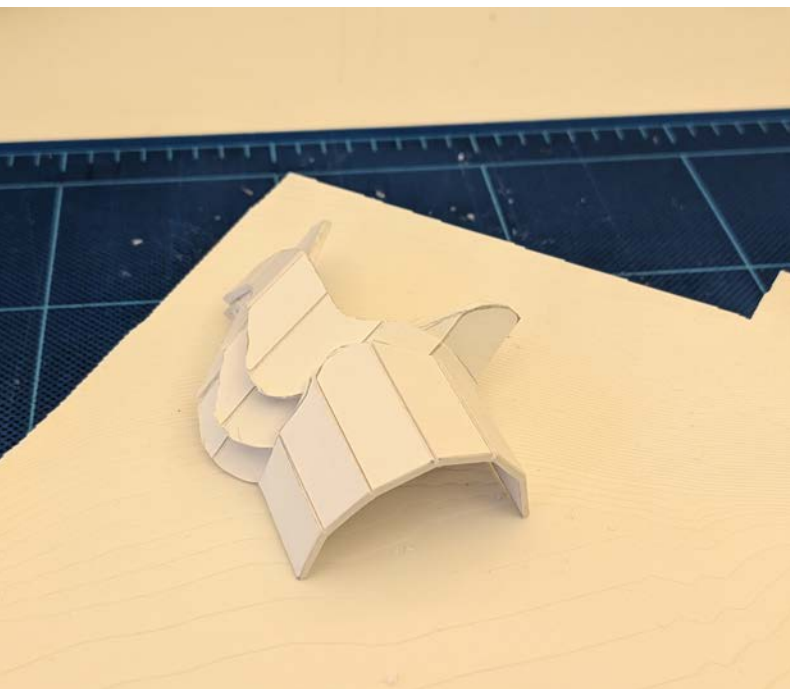
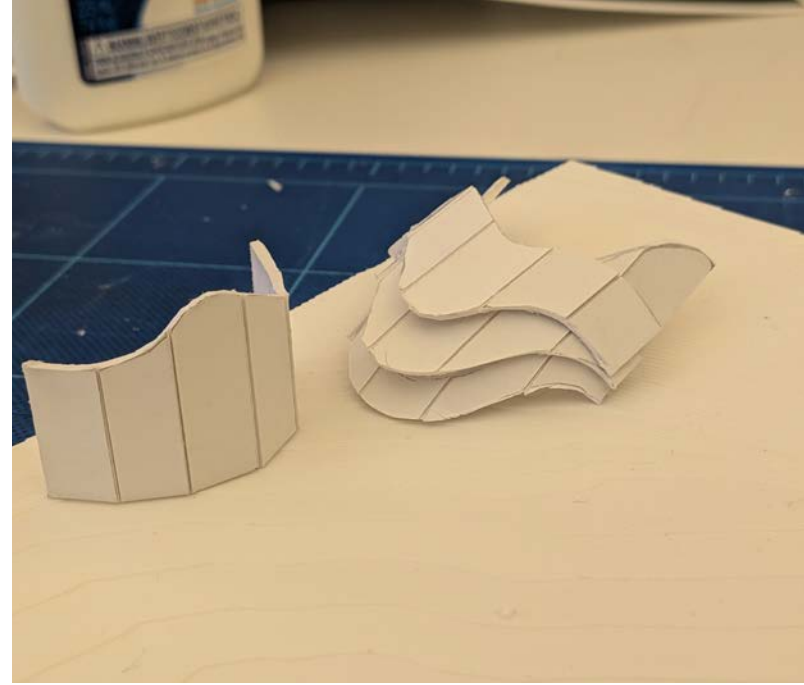
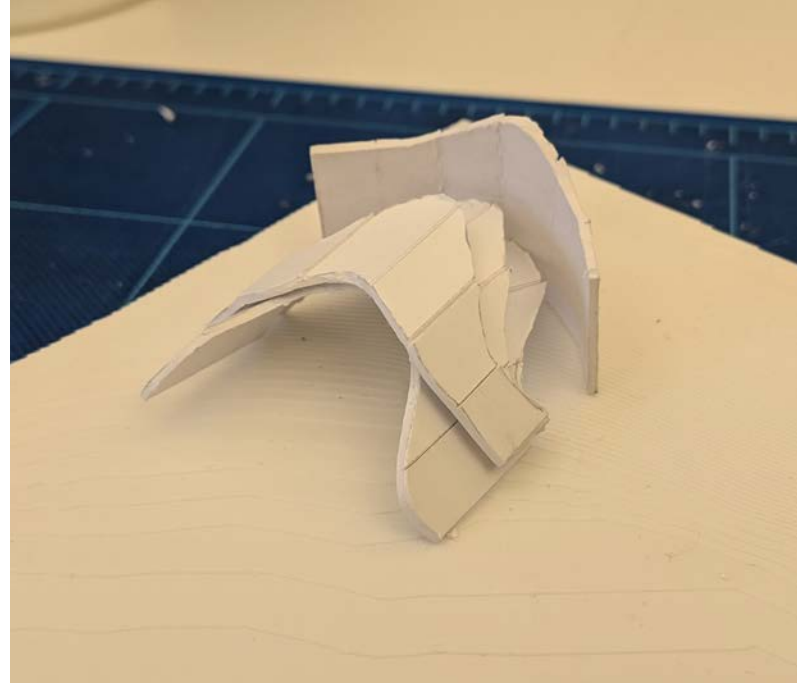
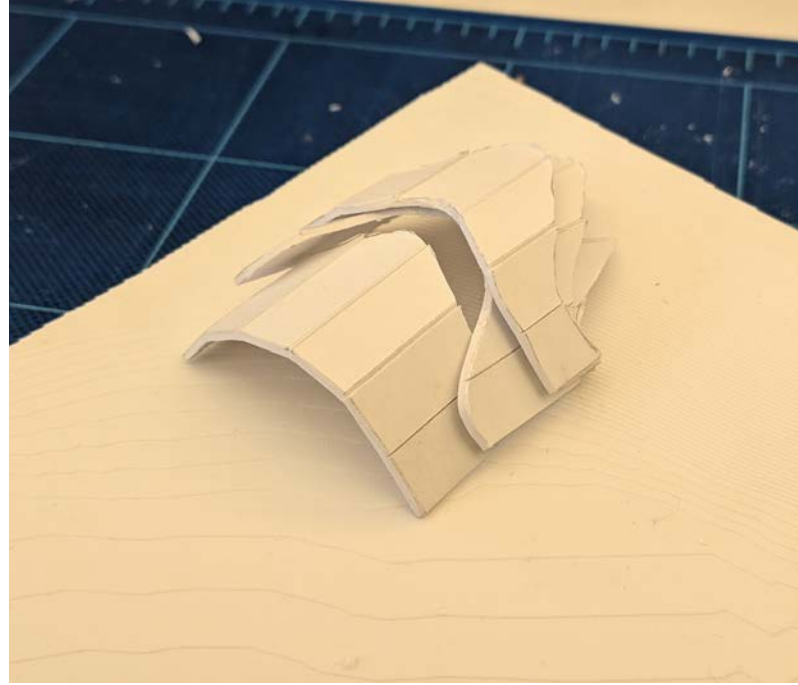
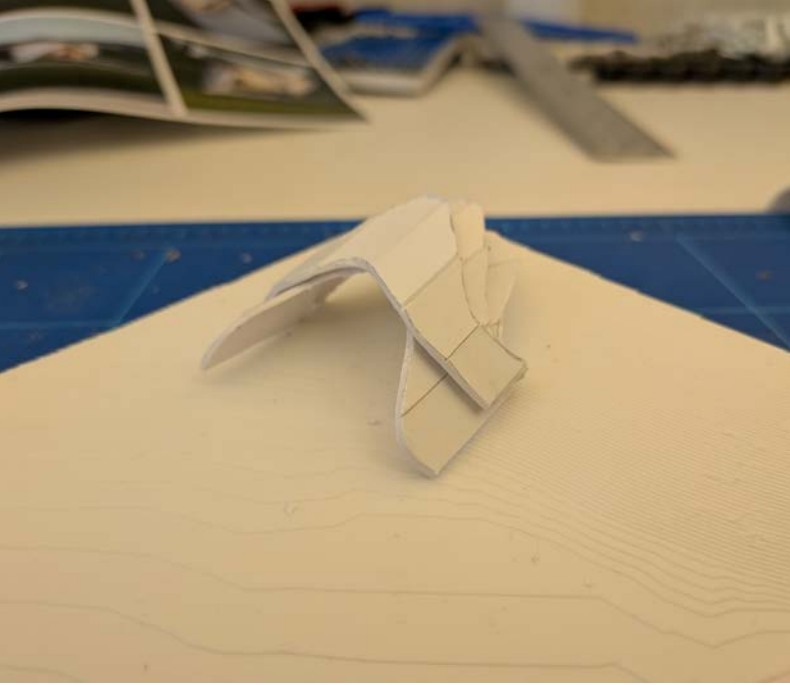
Vancouver Community College Building Site

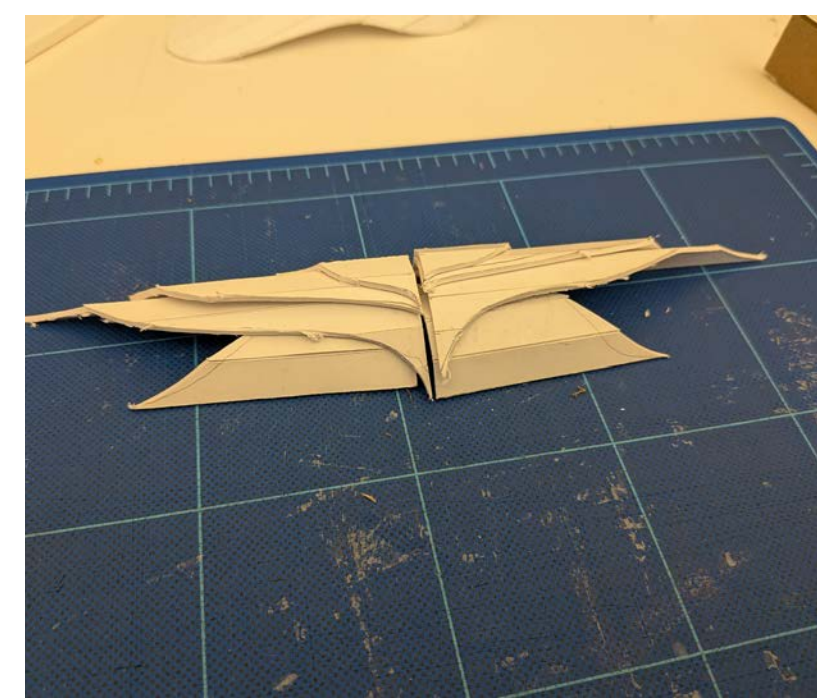
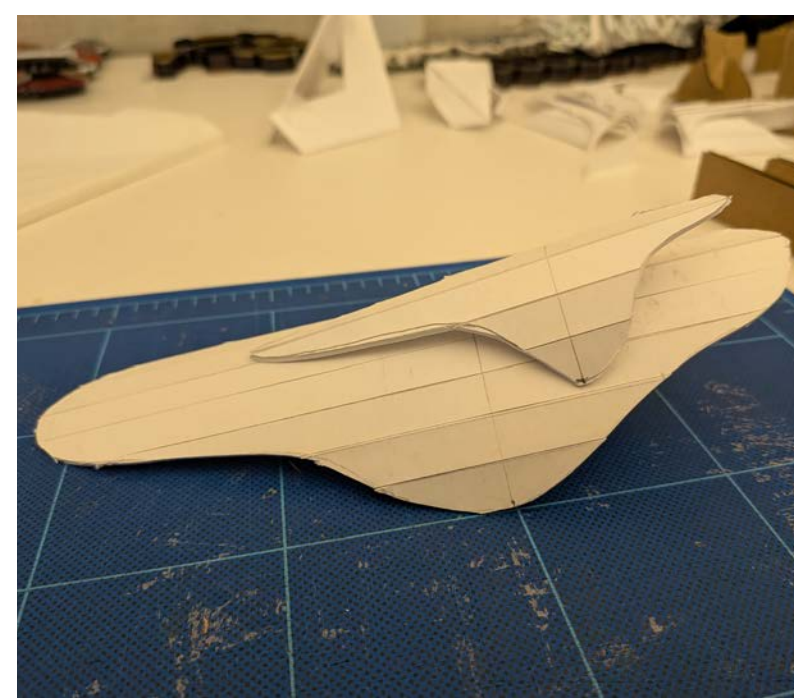
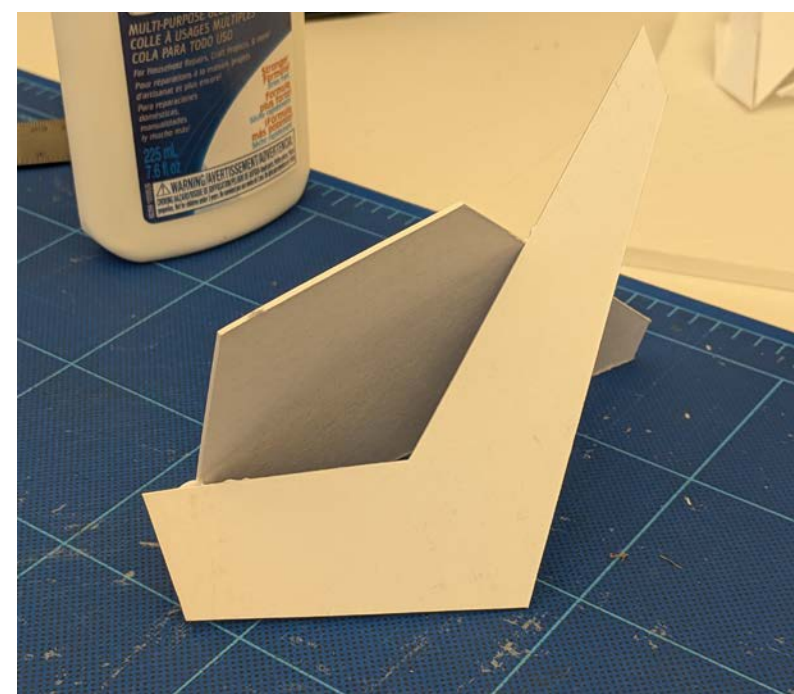
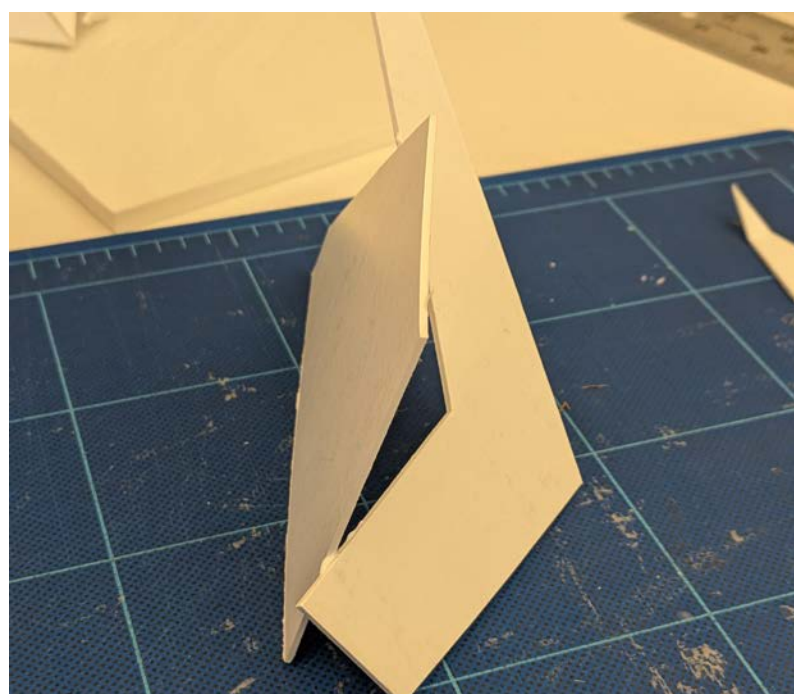
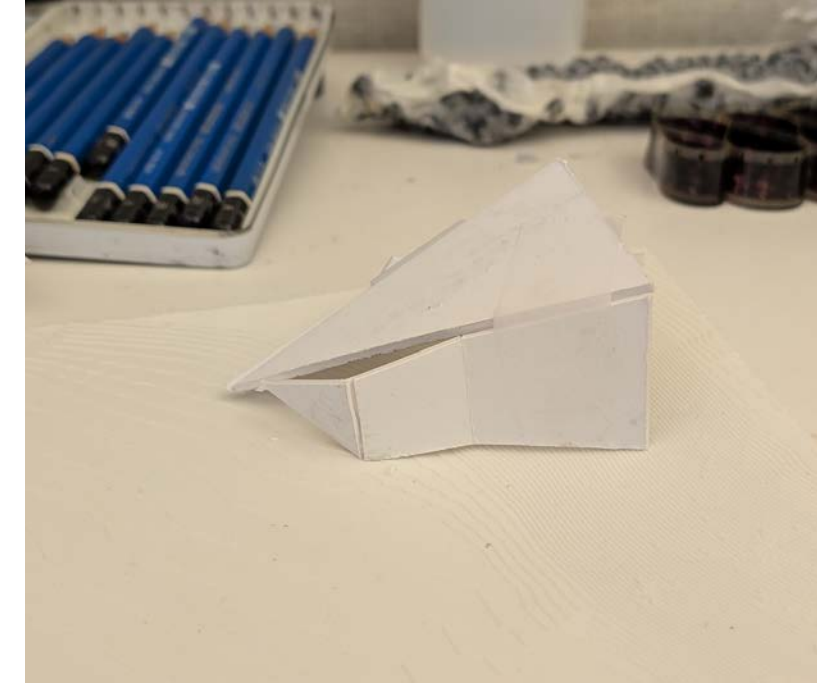
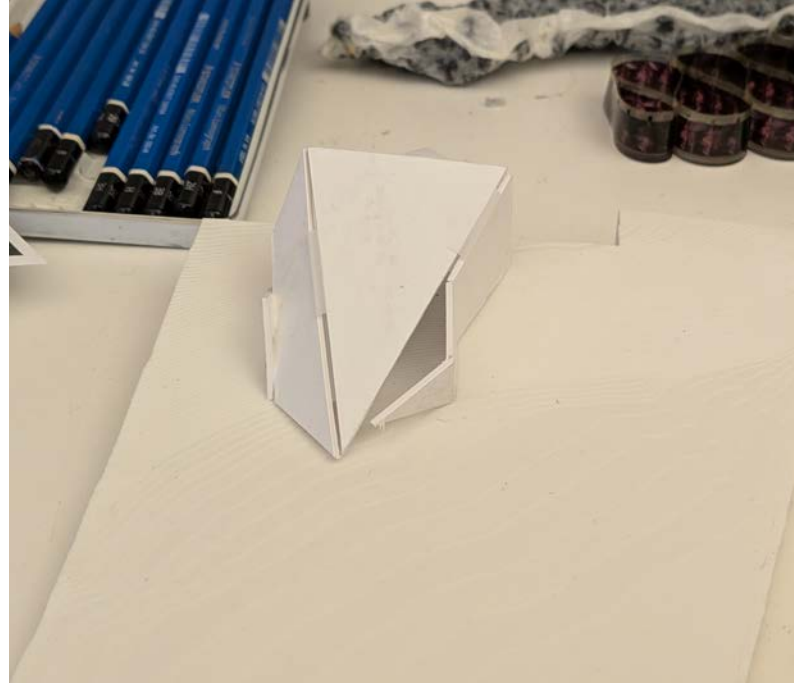
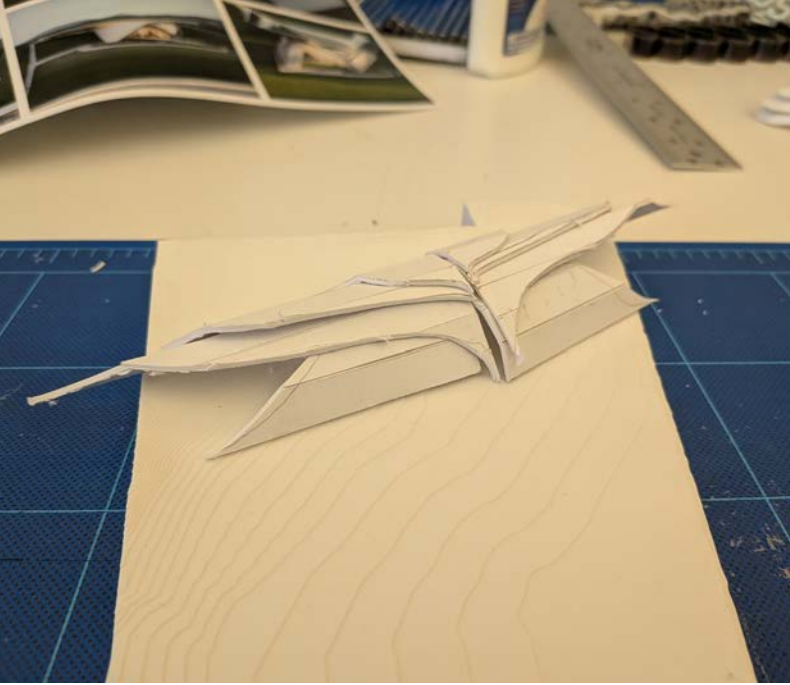


Sketch Models and Drawings

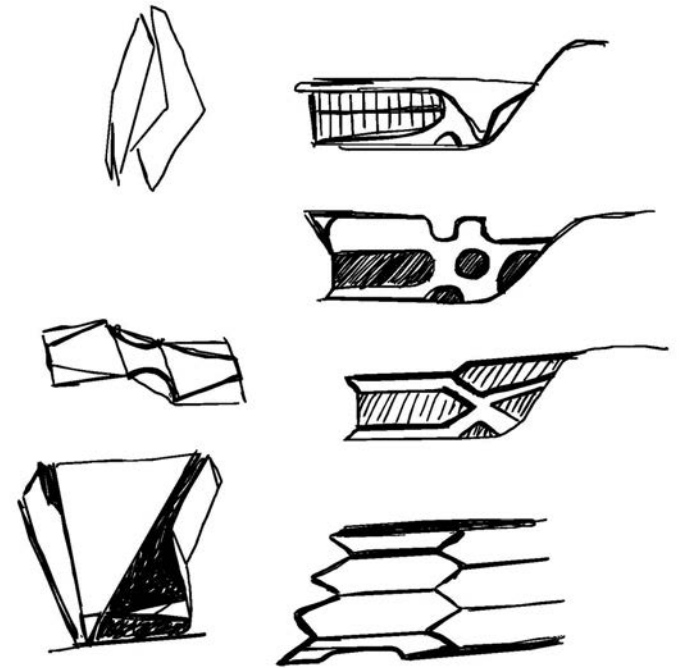
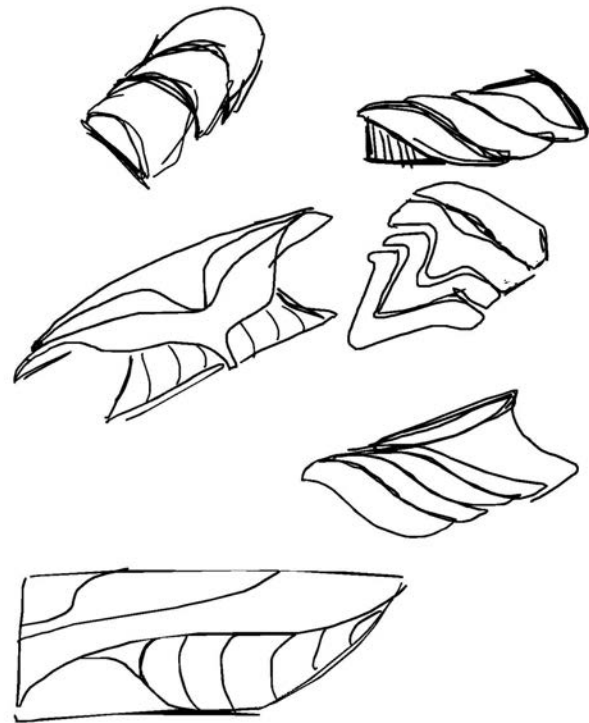
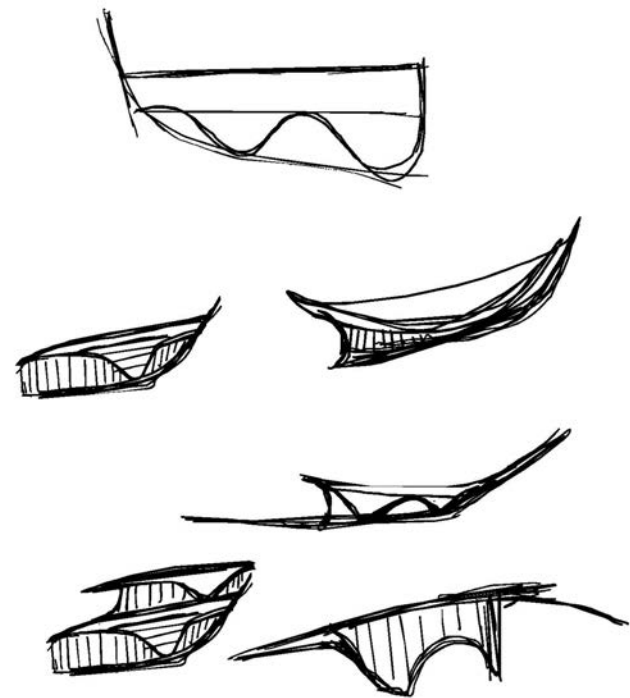
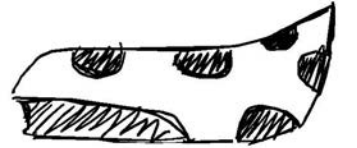
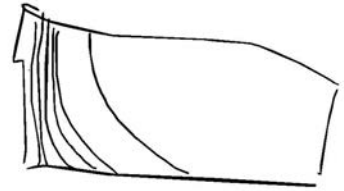
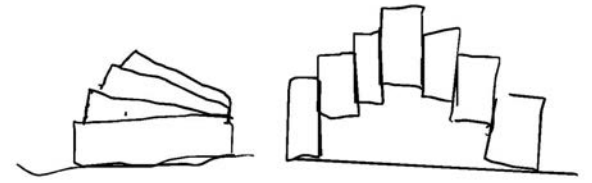
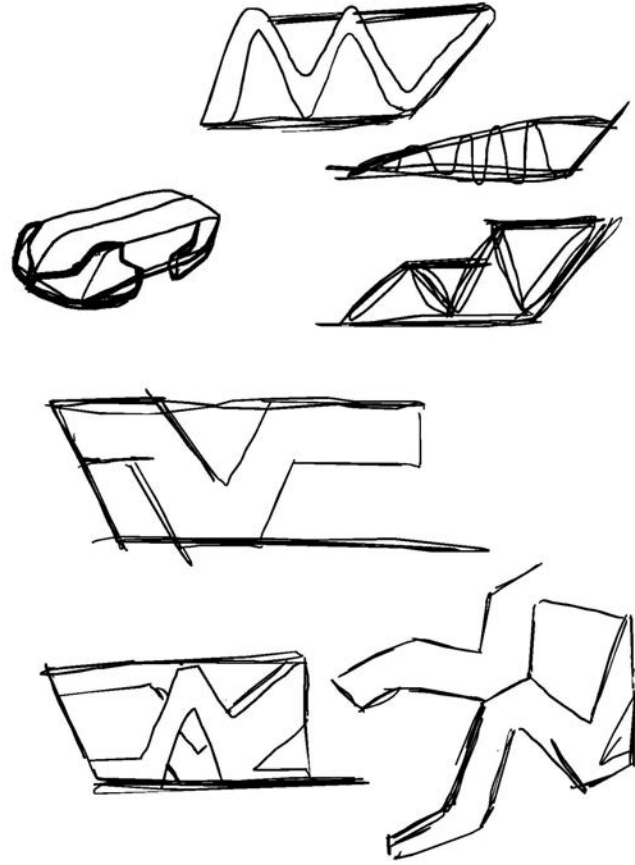
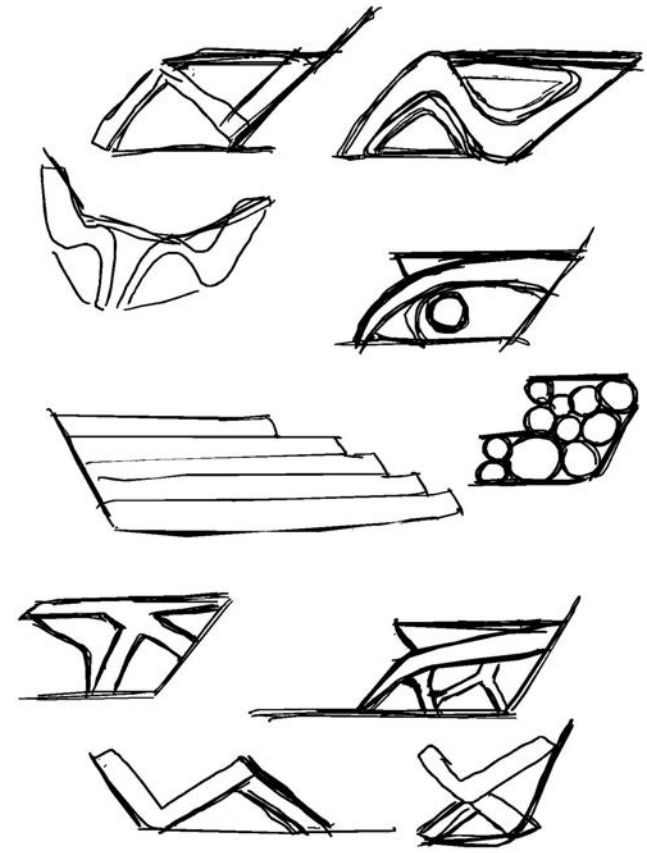




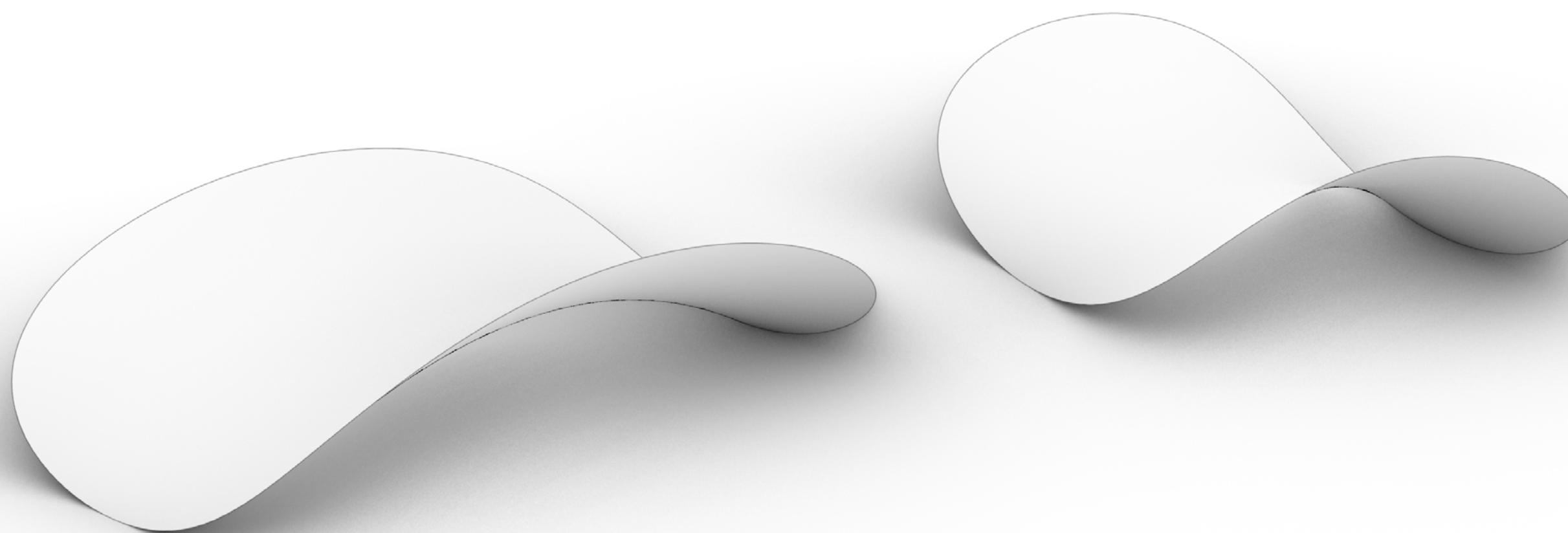




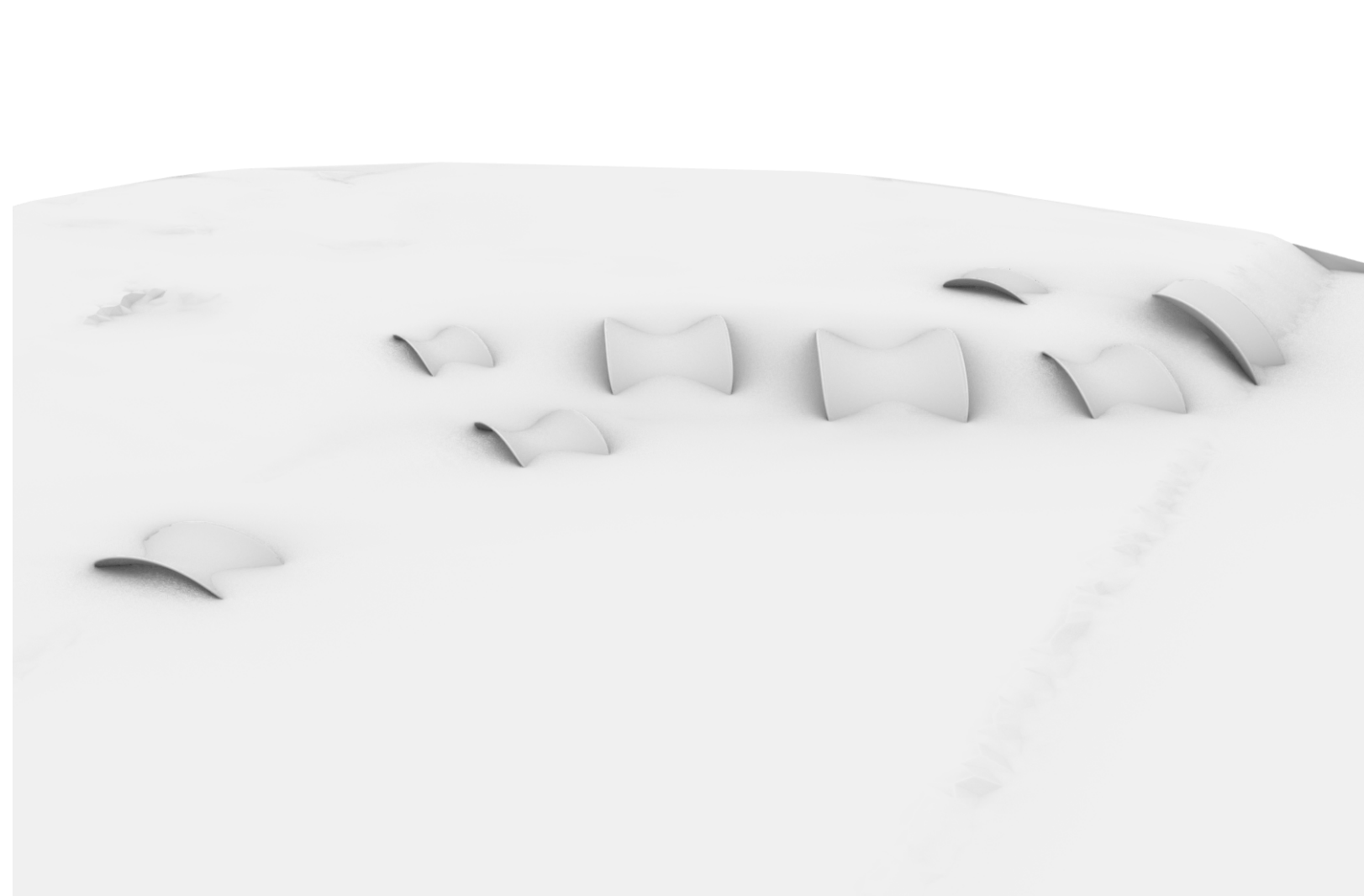
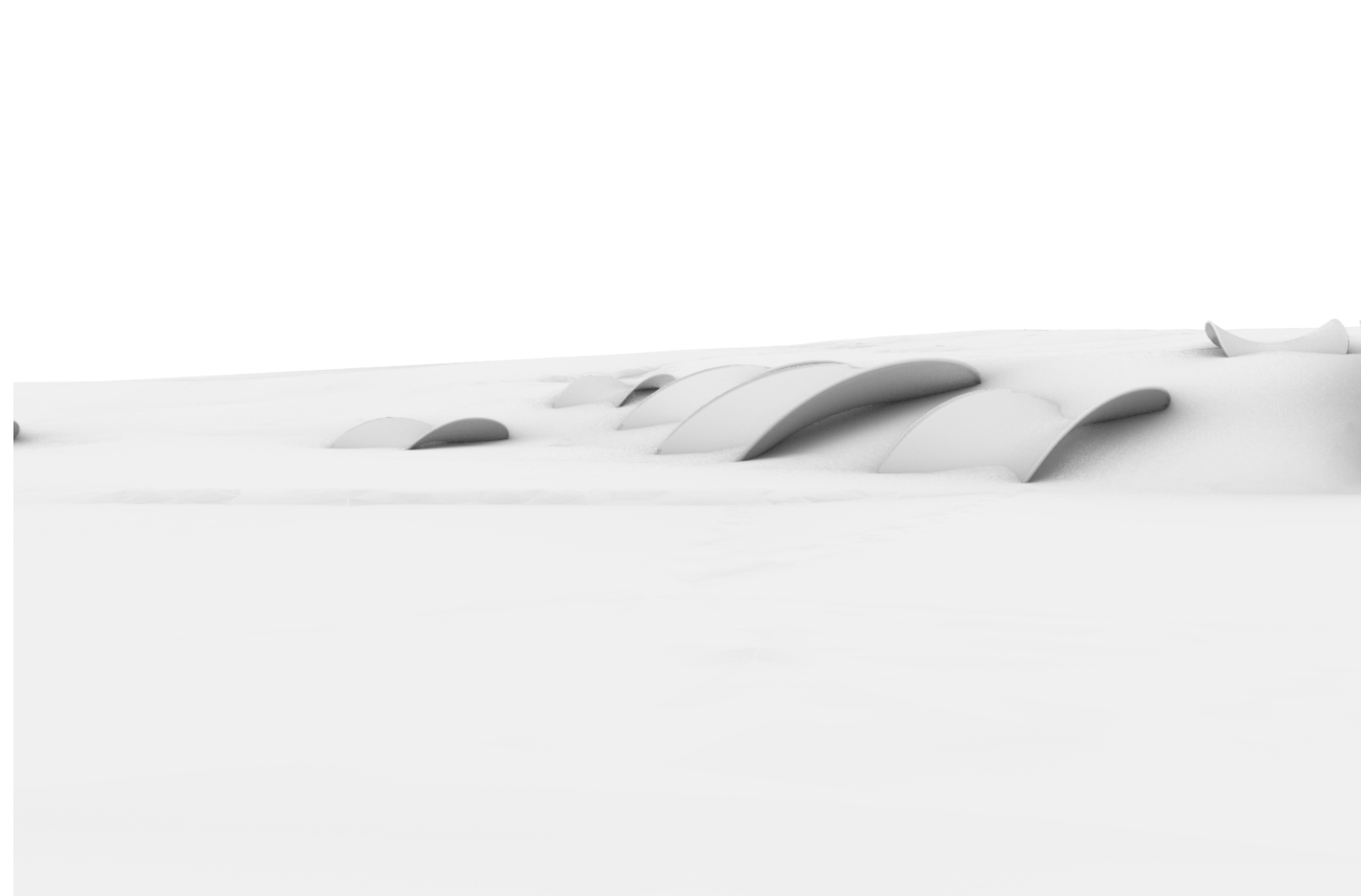
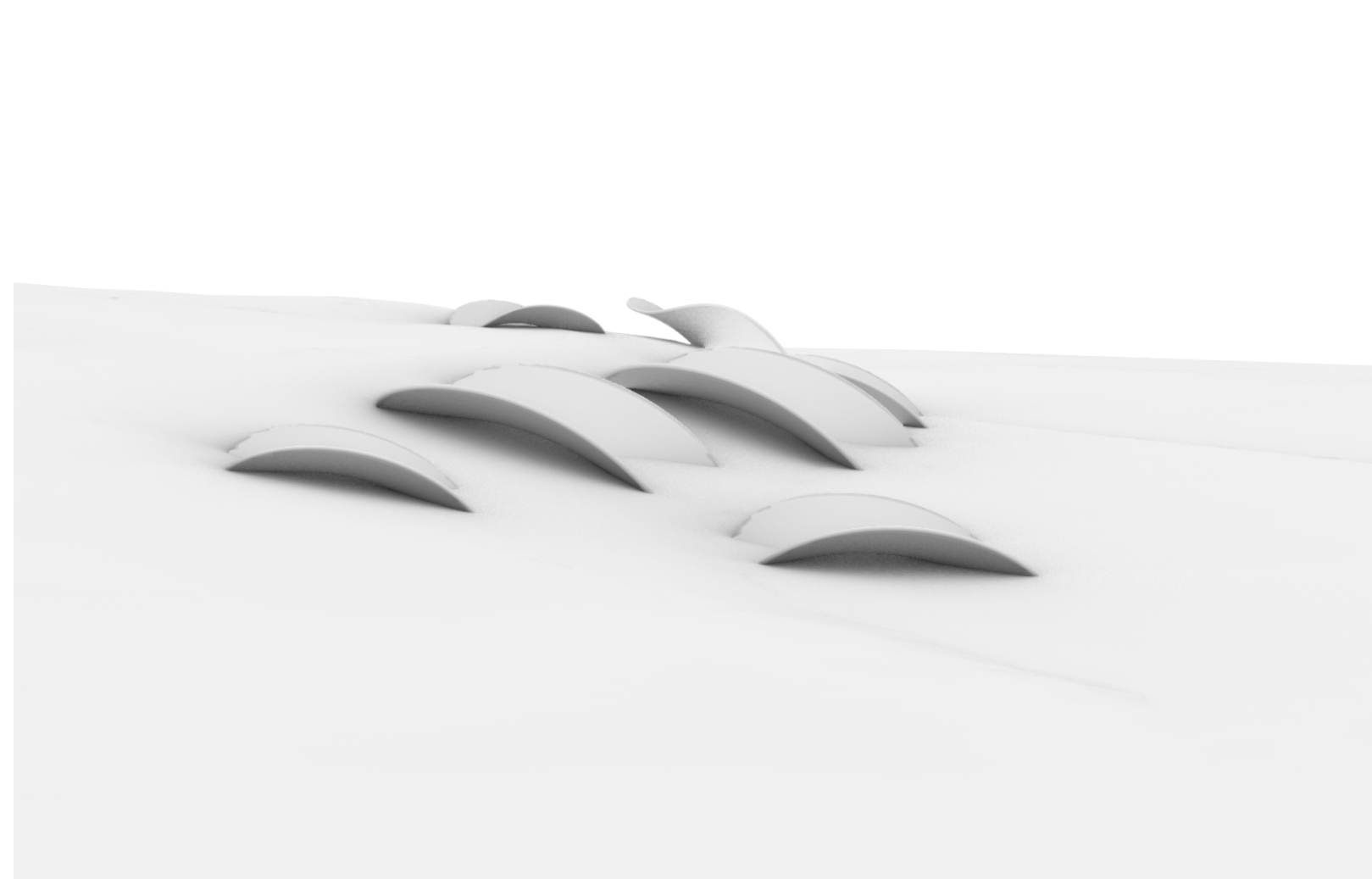
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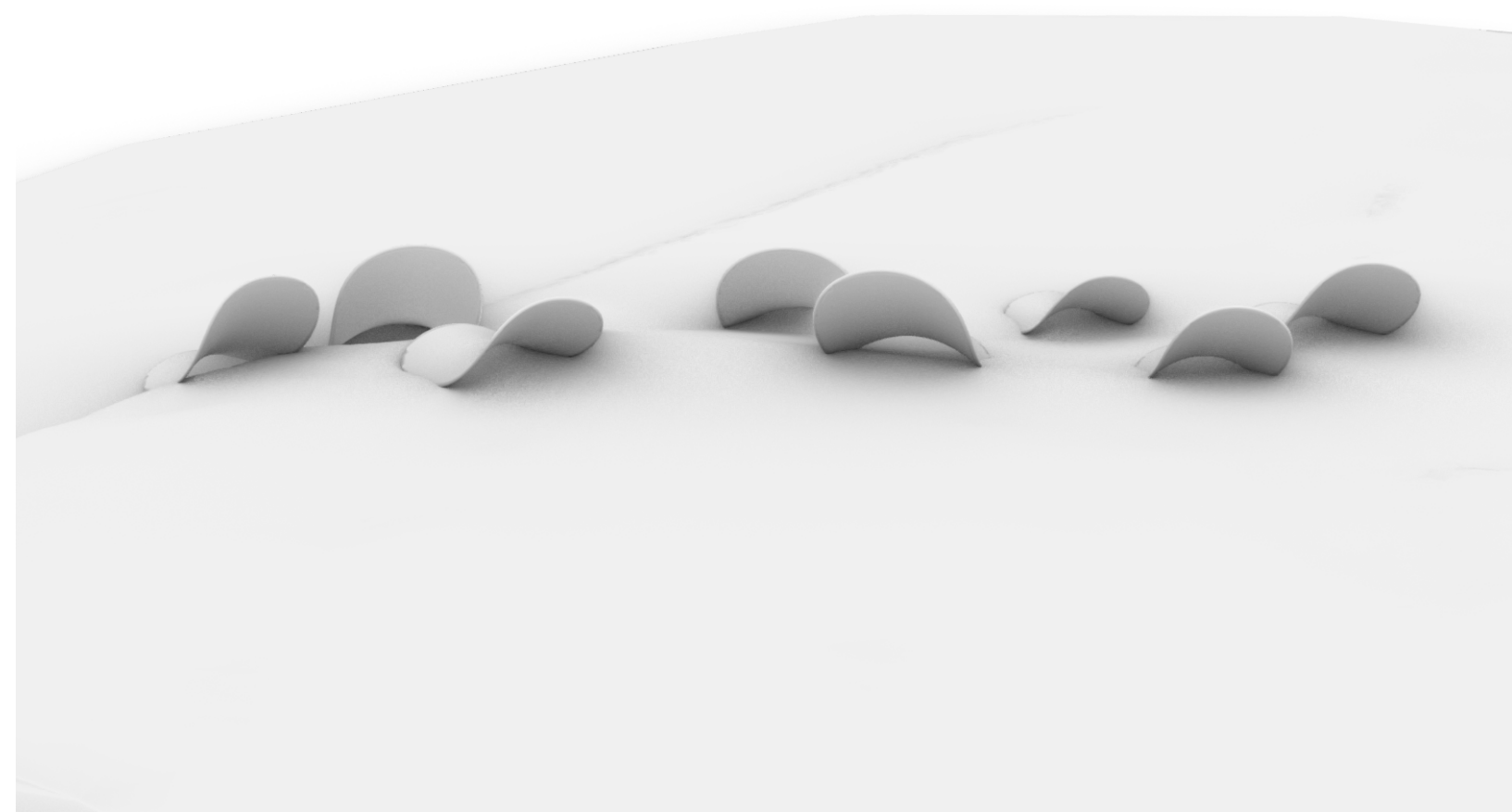


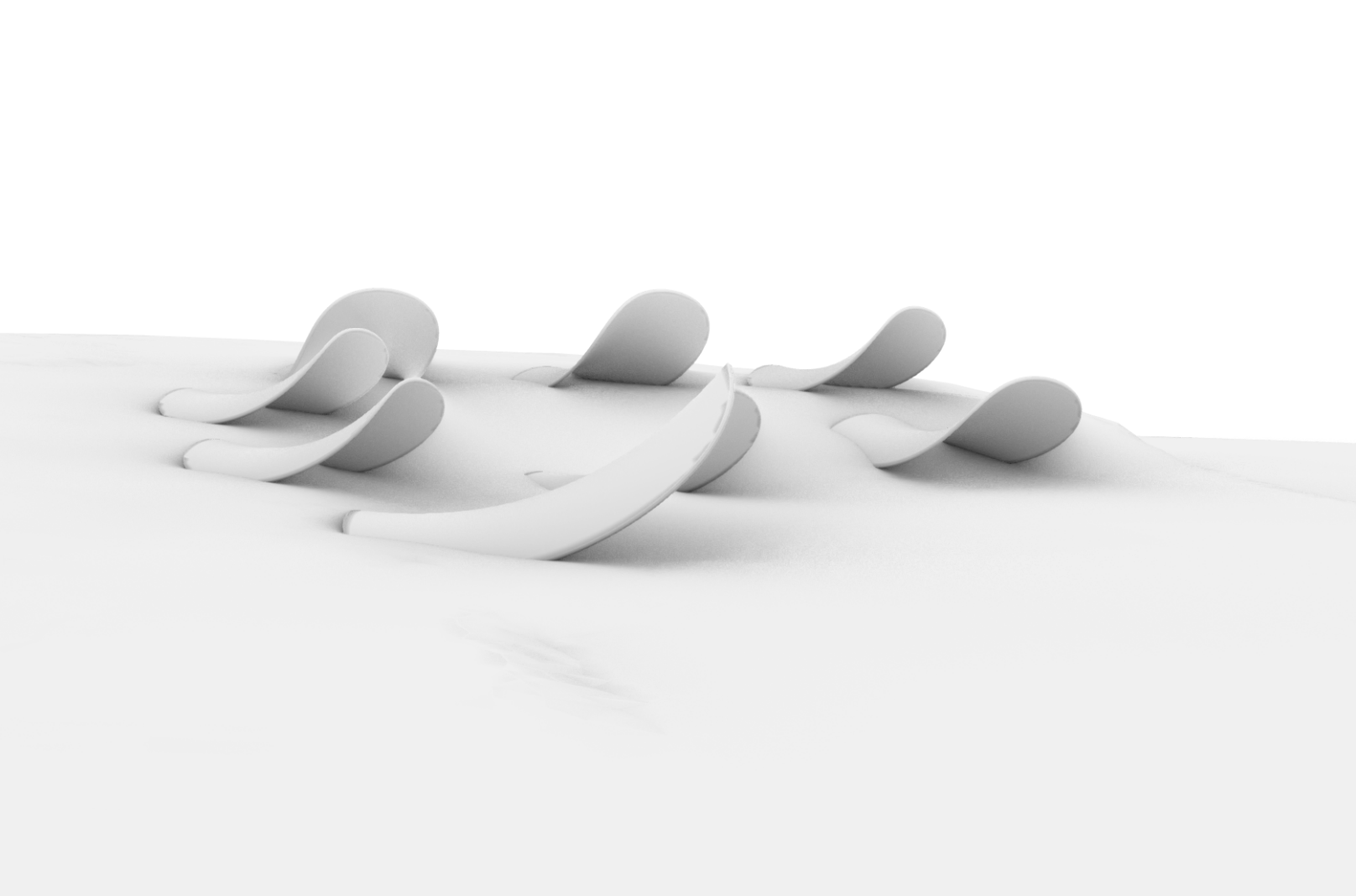
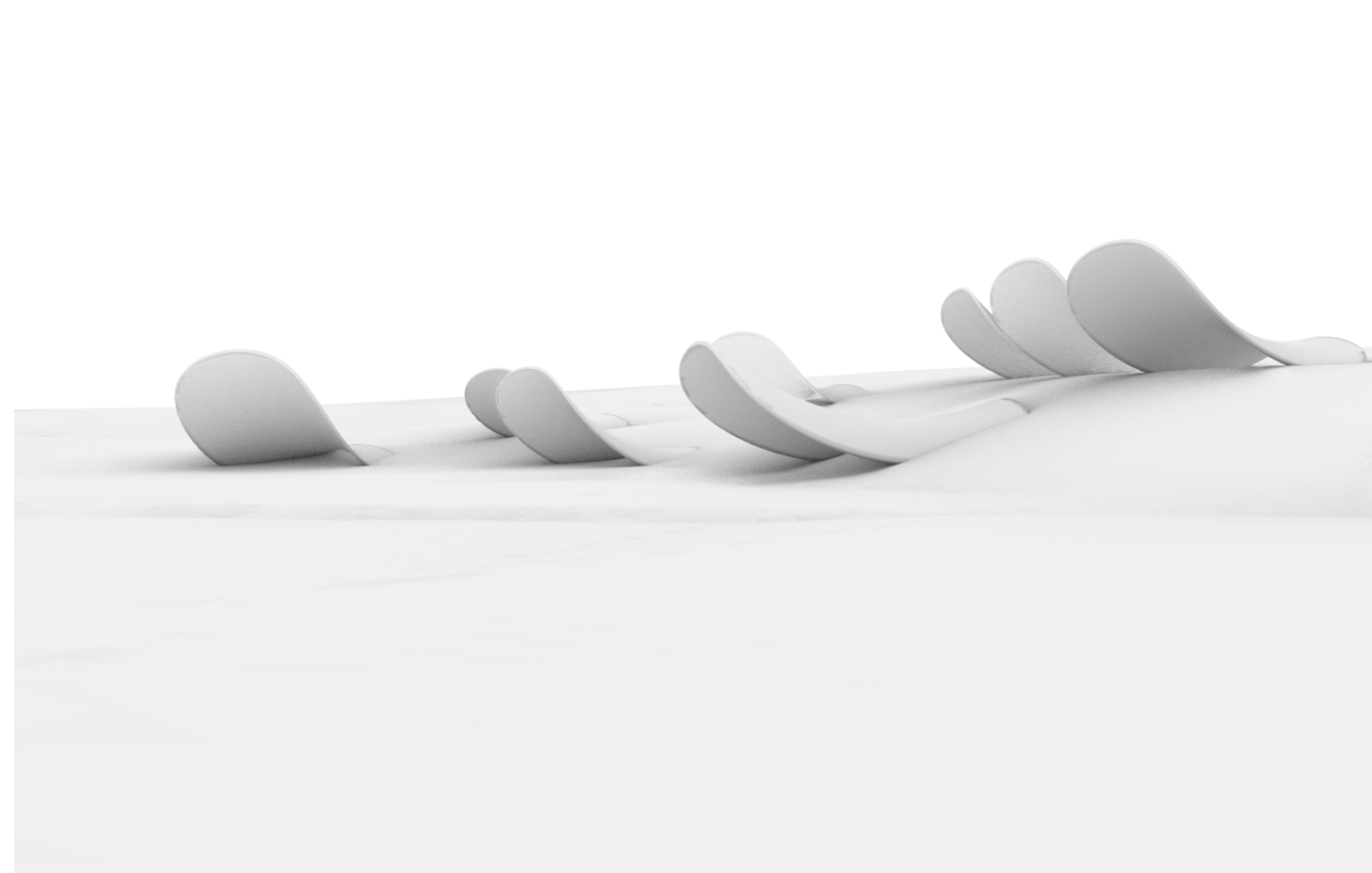
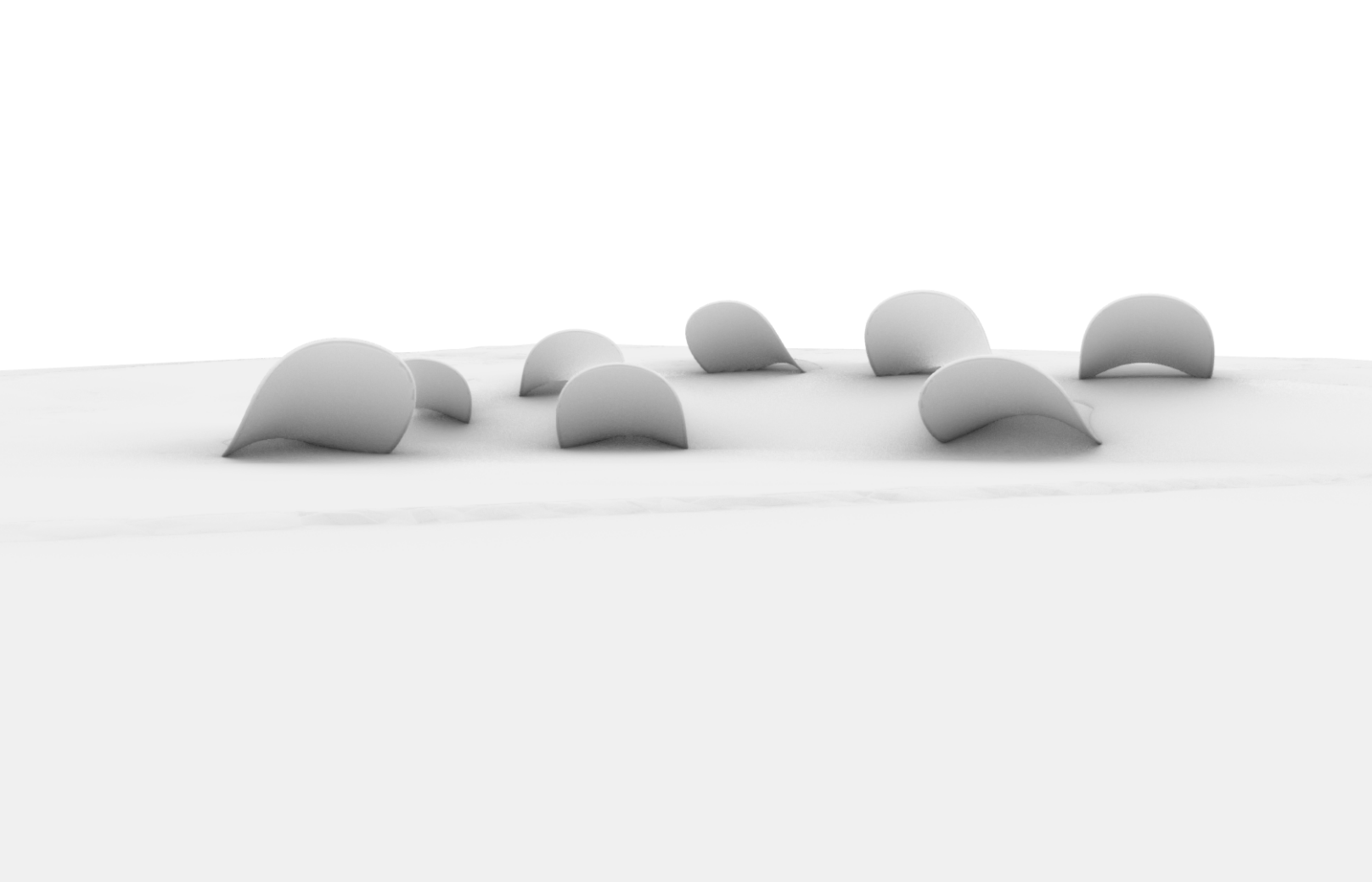
Concepts

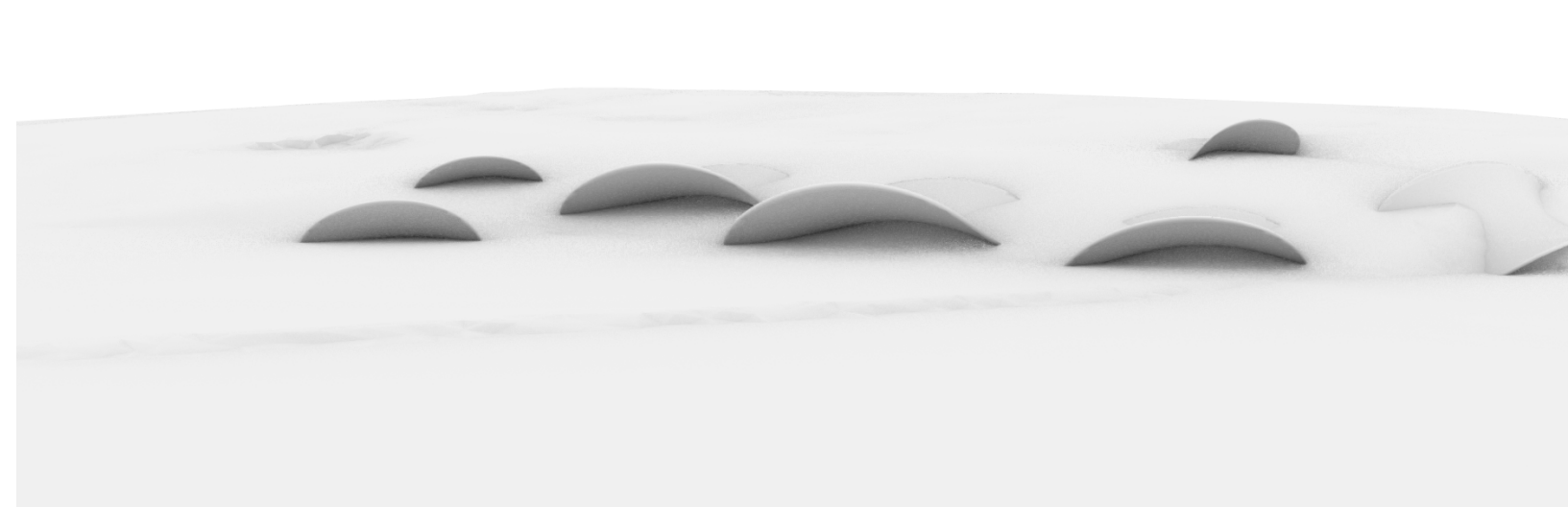
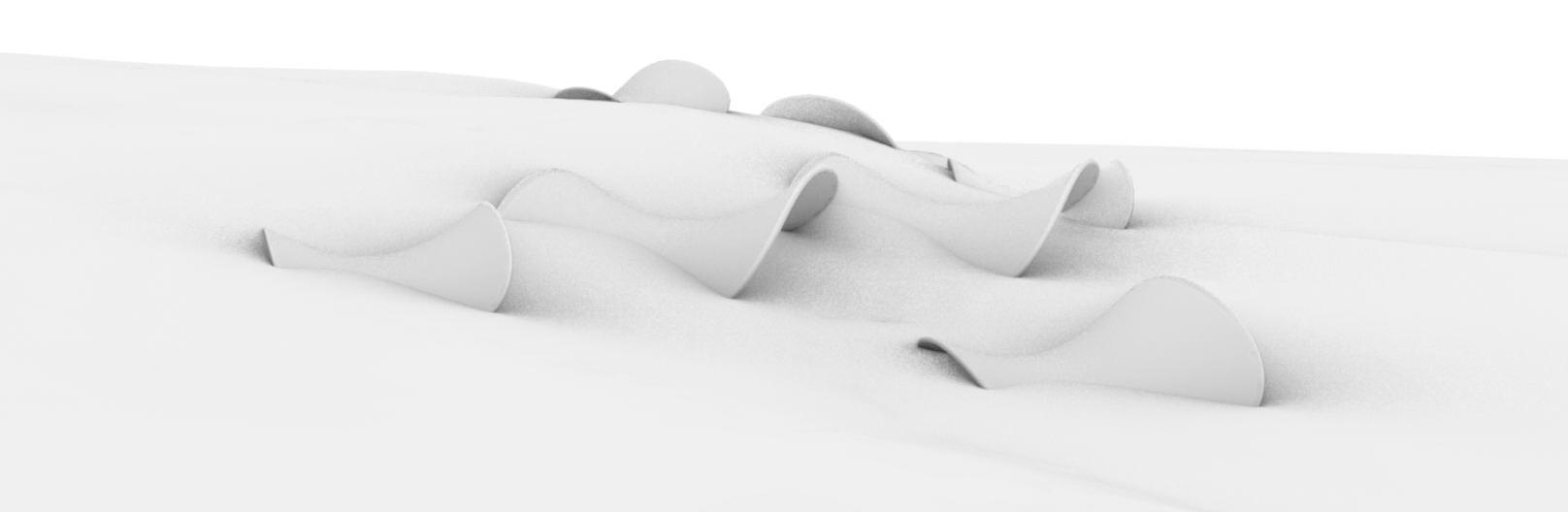
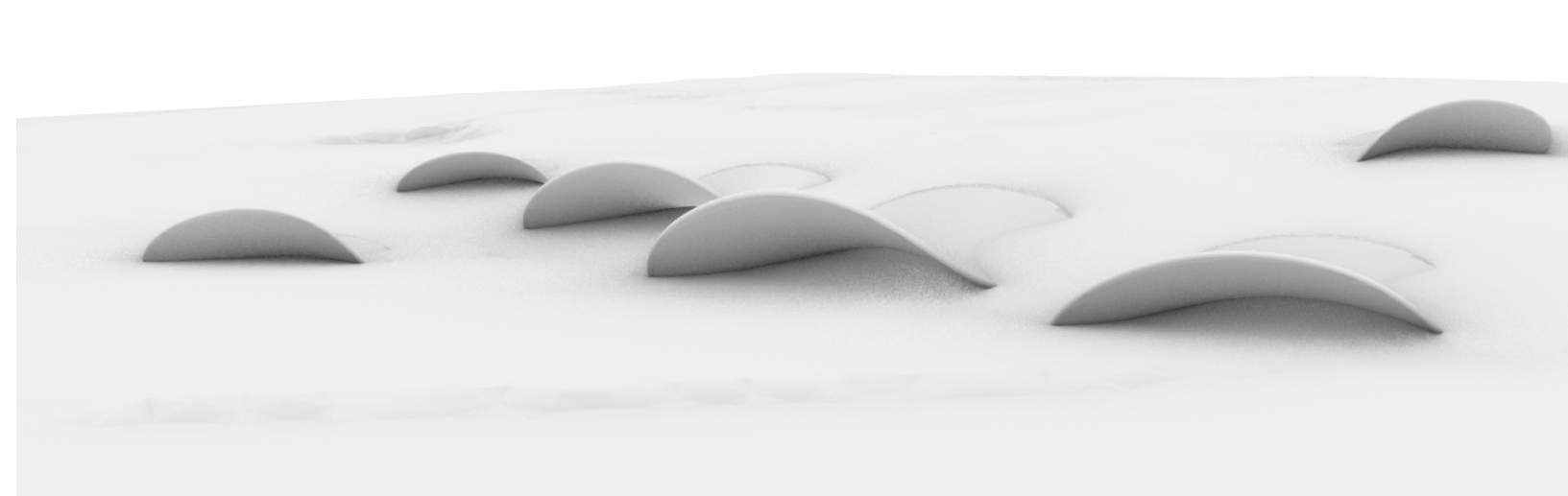
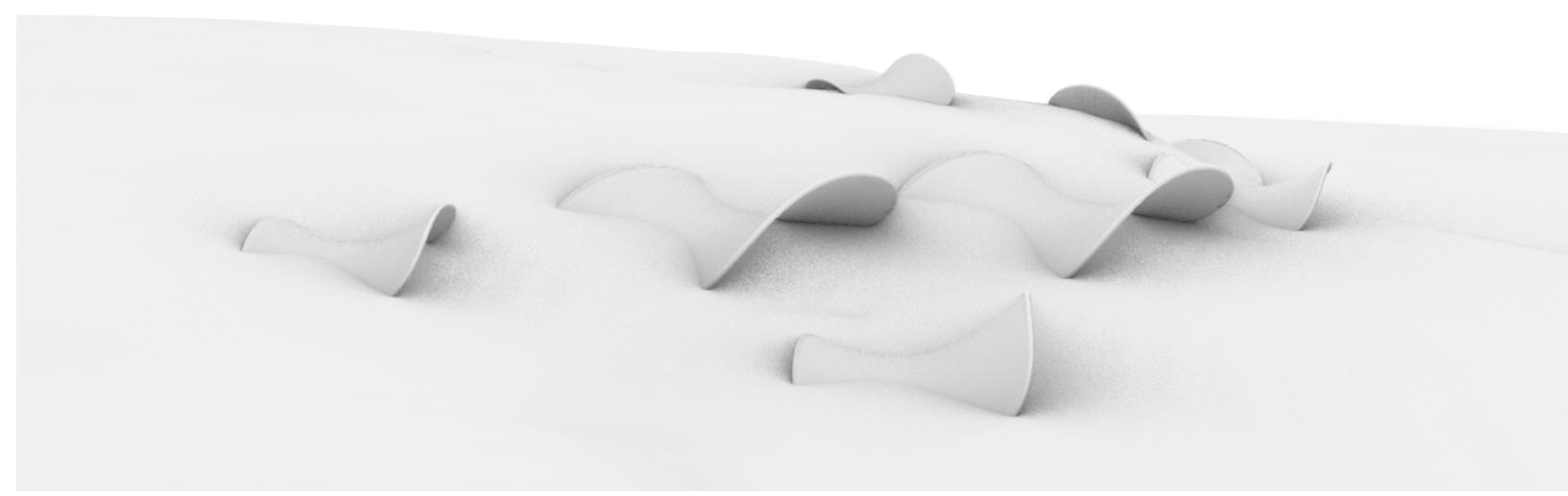
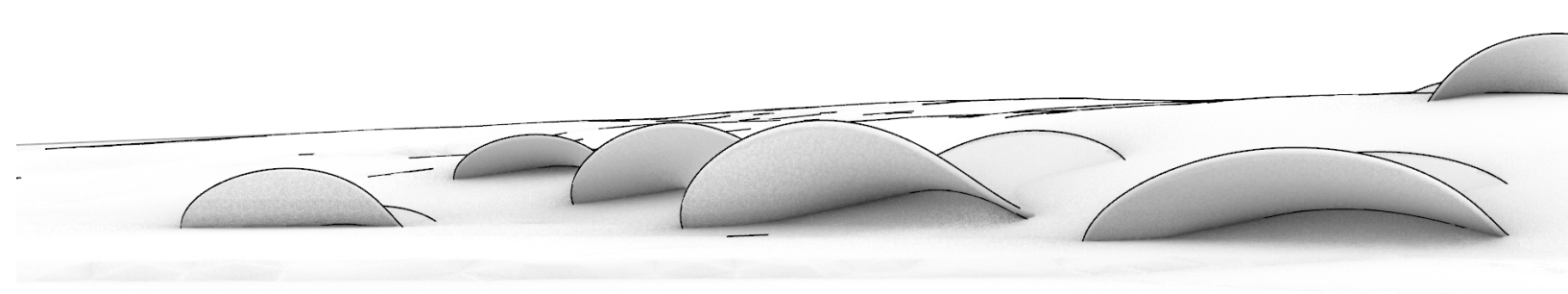
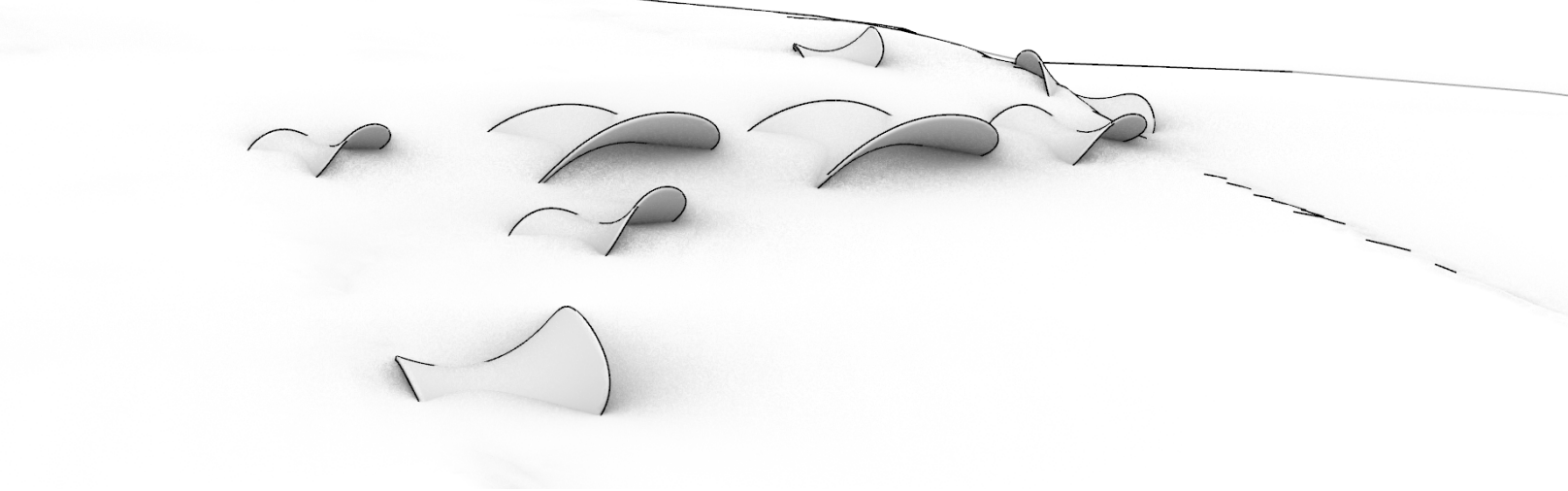


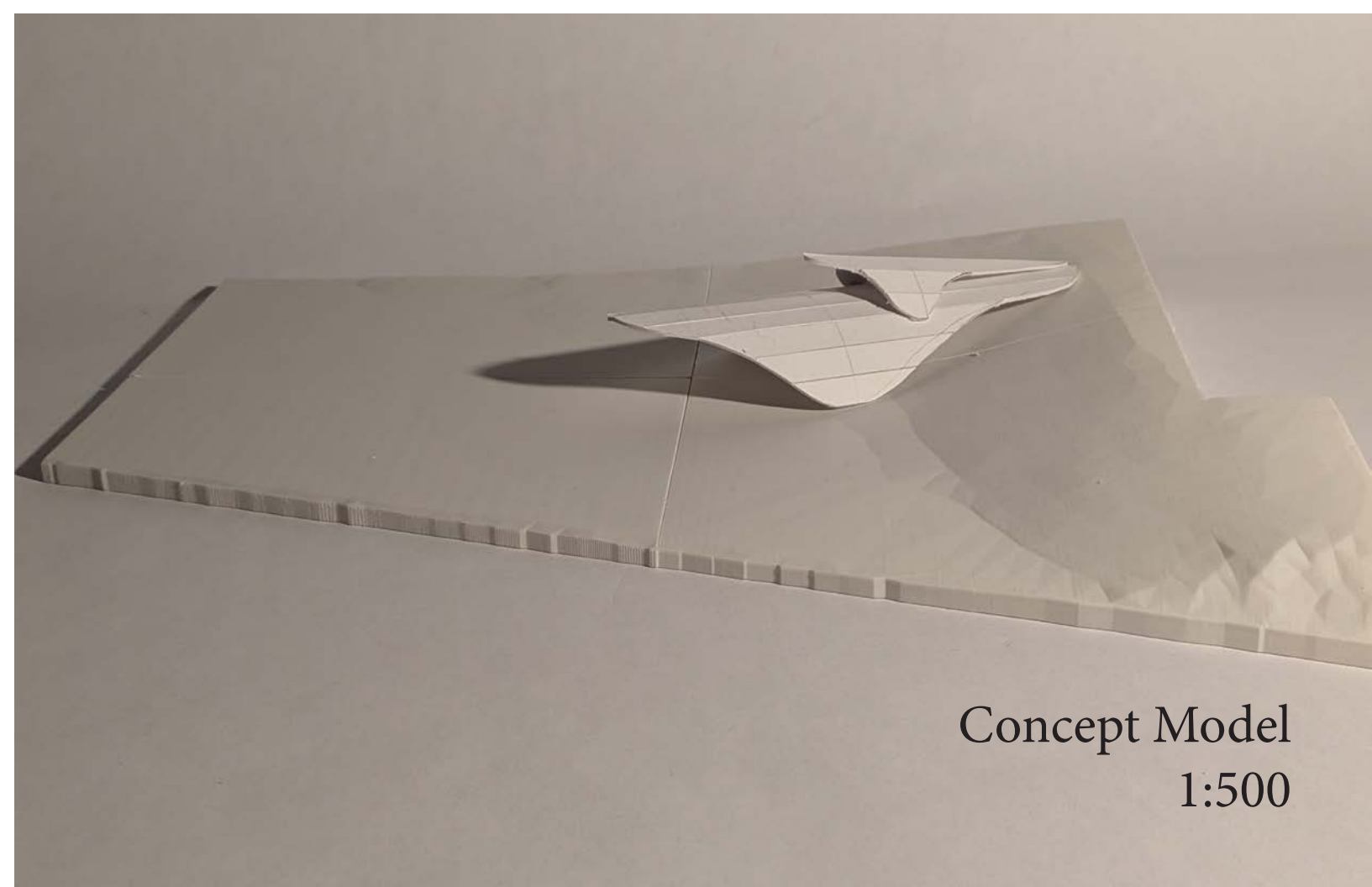
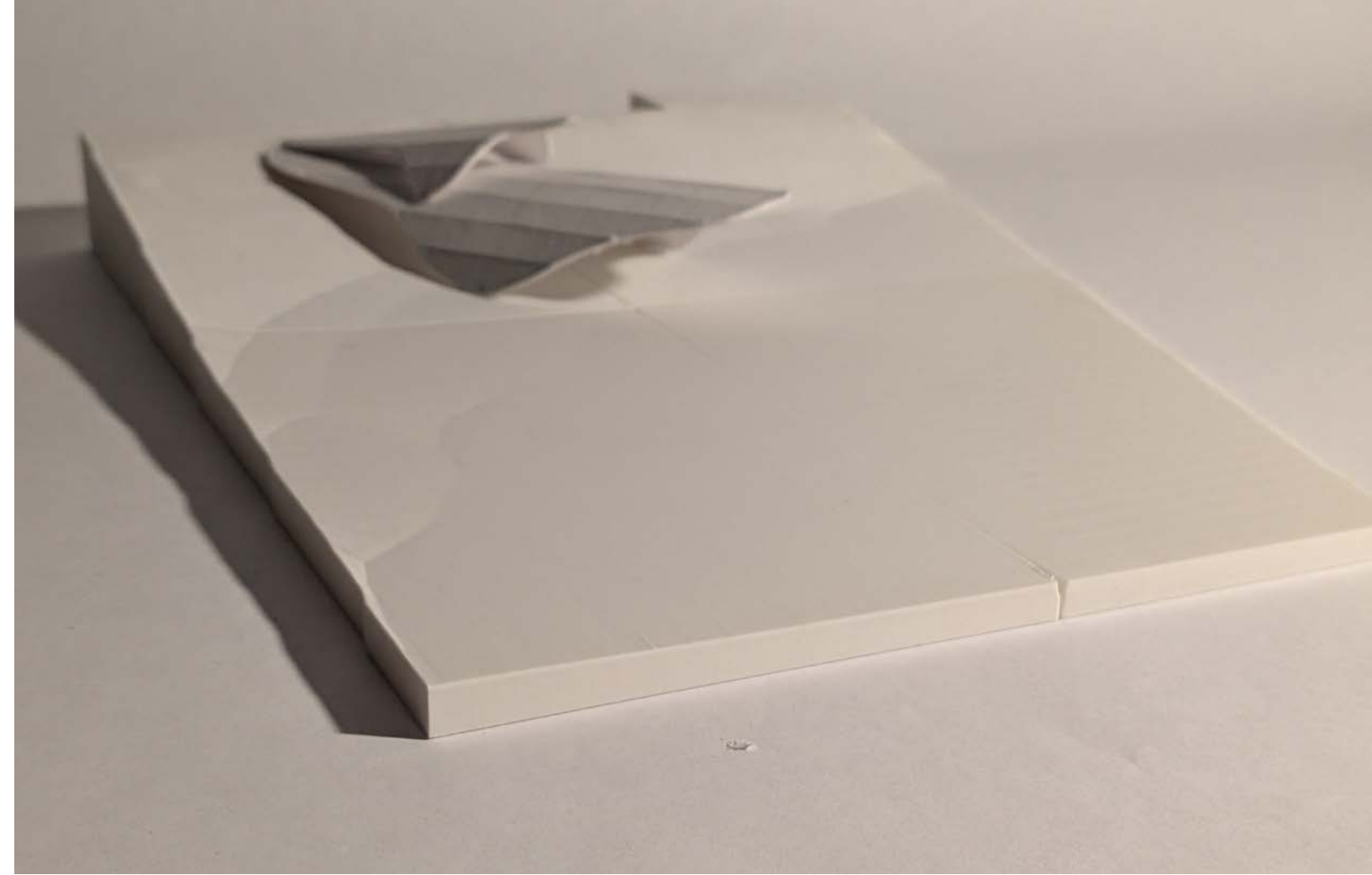
Hyperbolic Paraboloid
“Pringles”



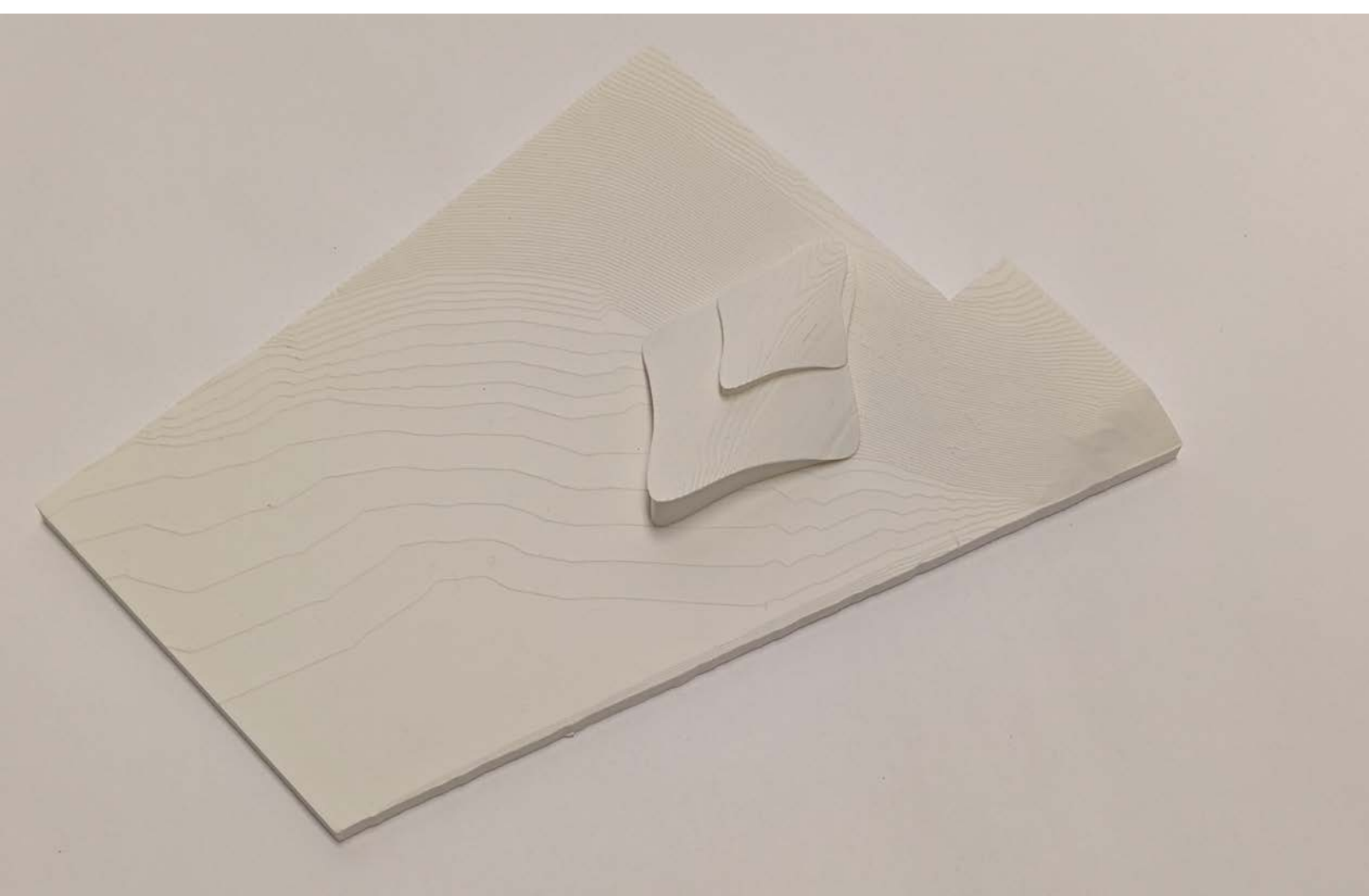
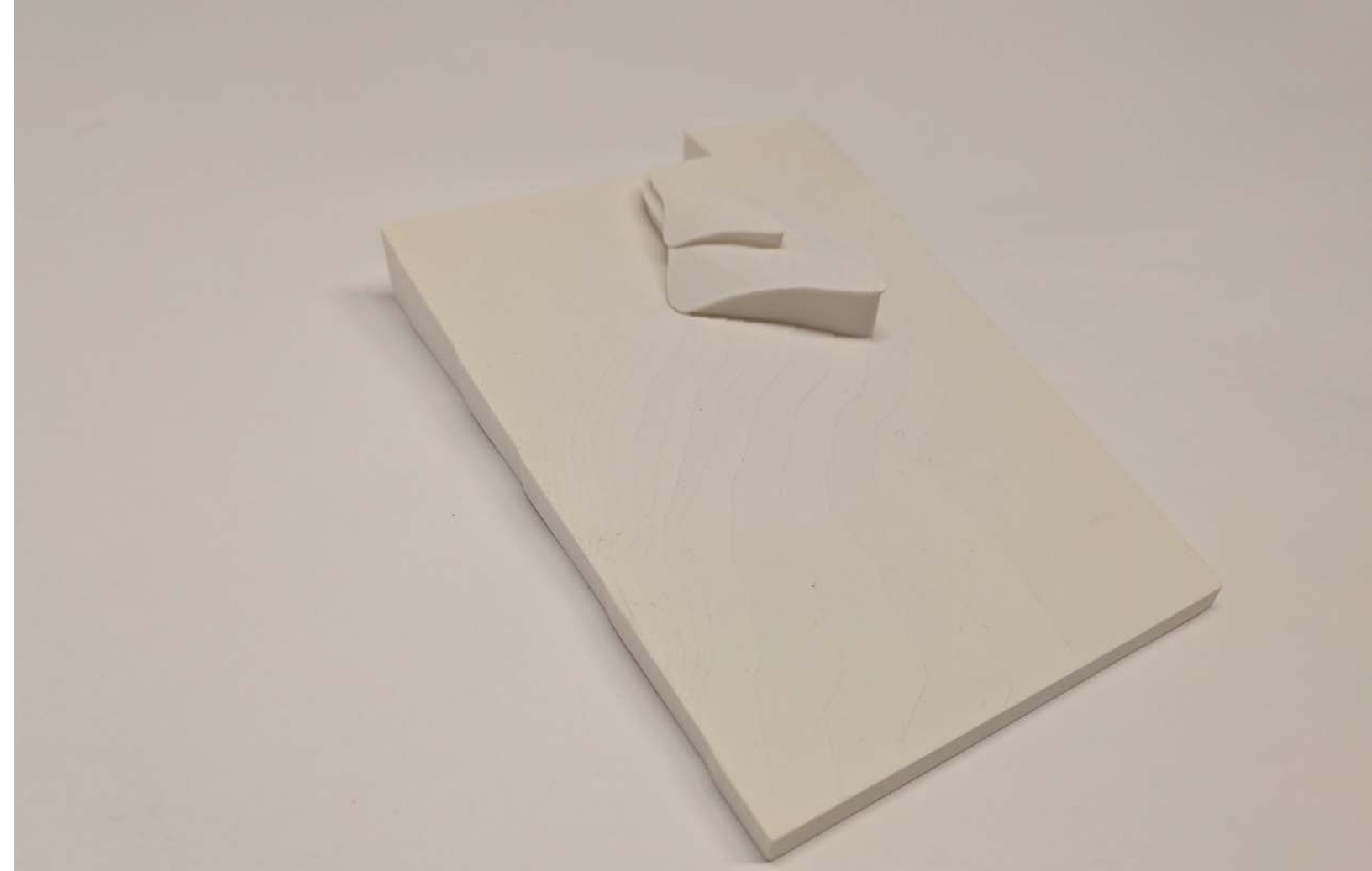
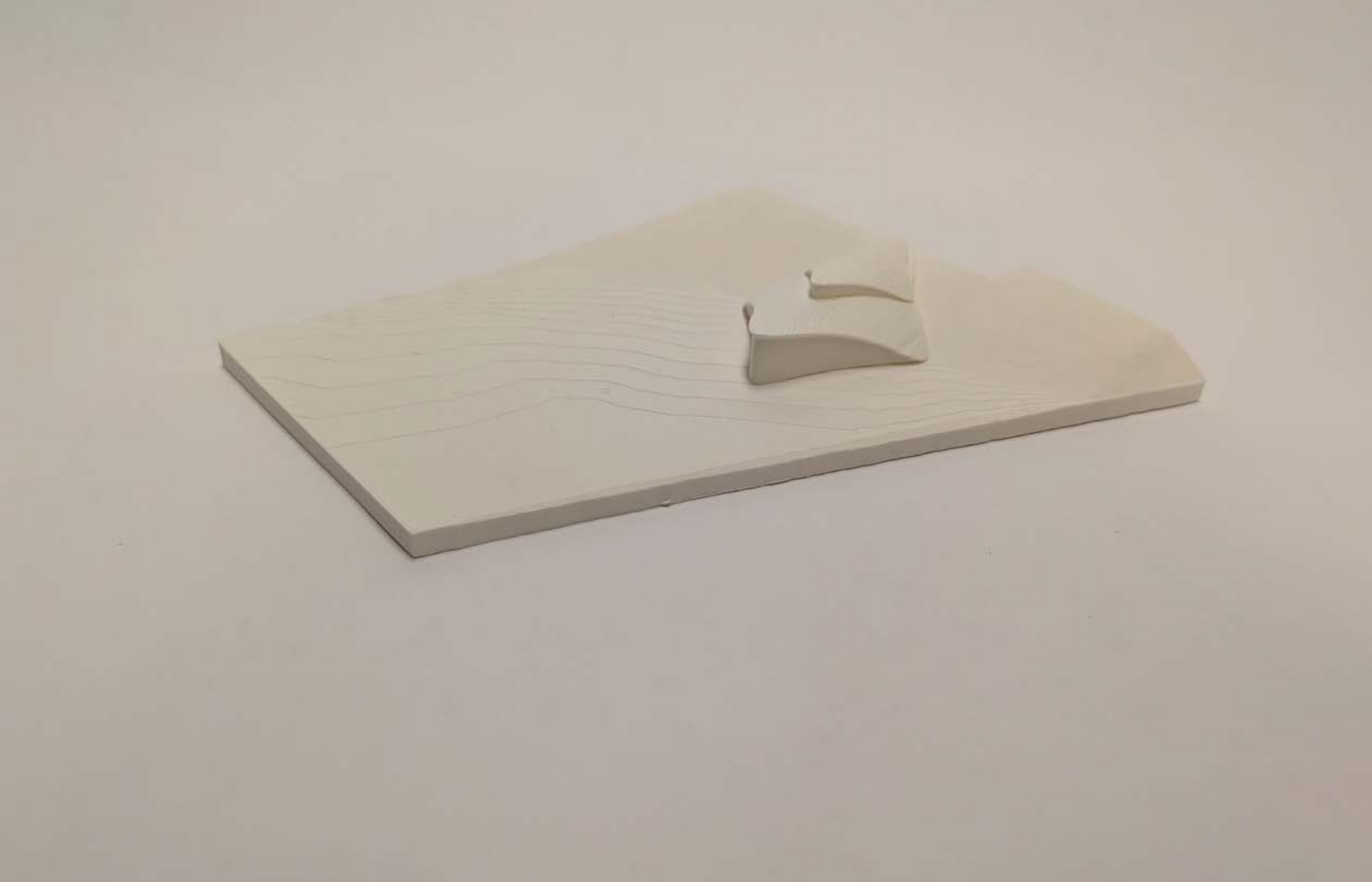




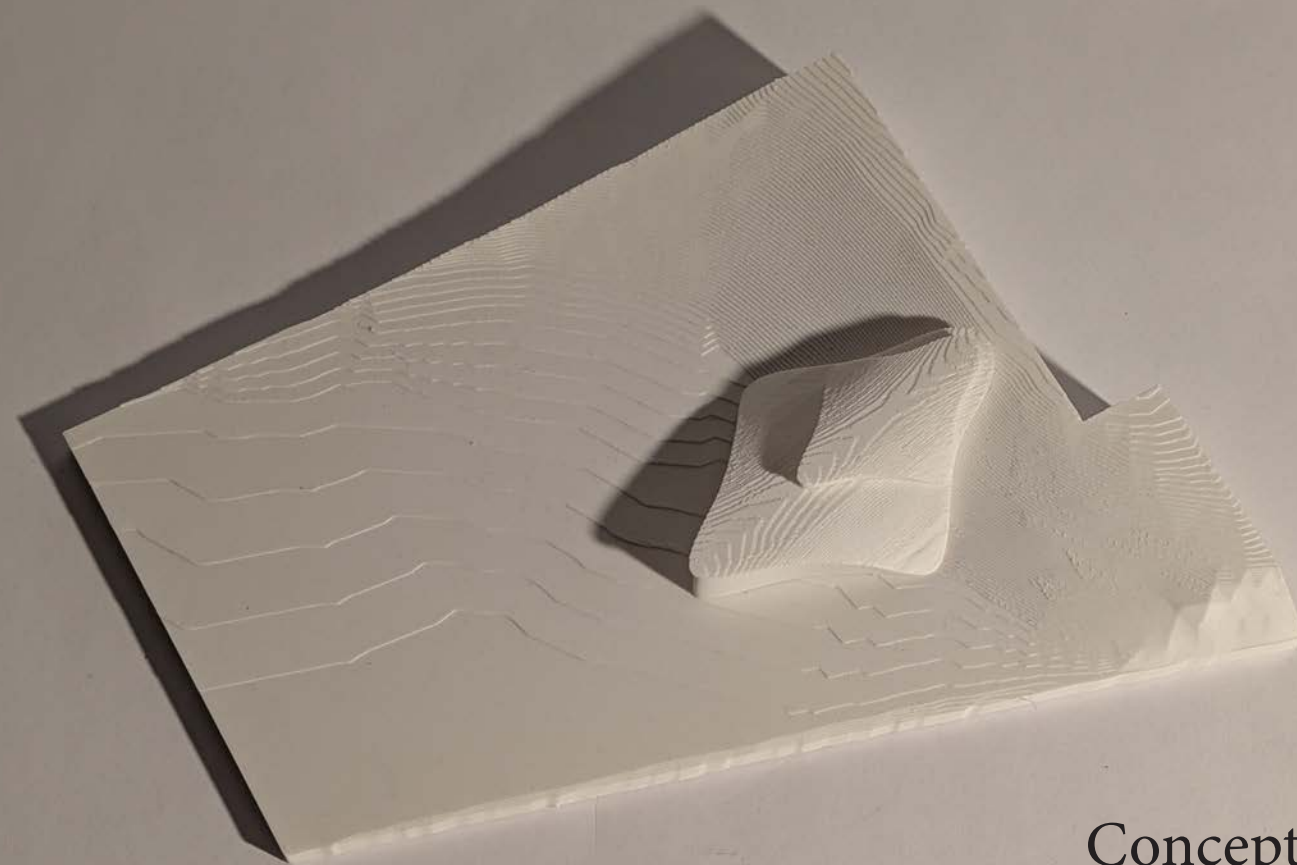
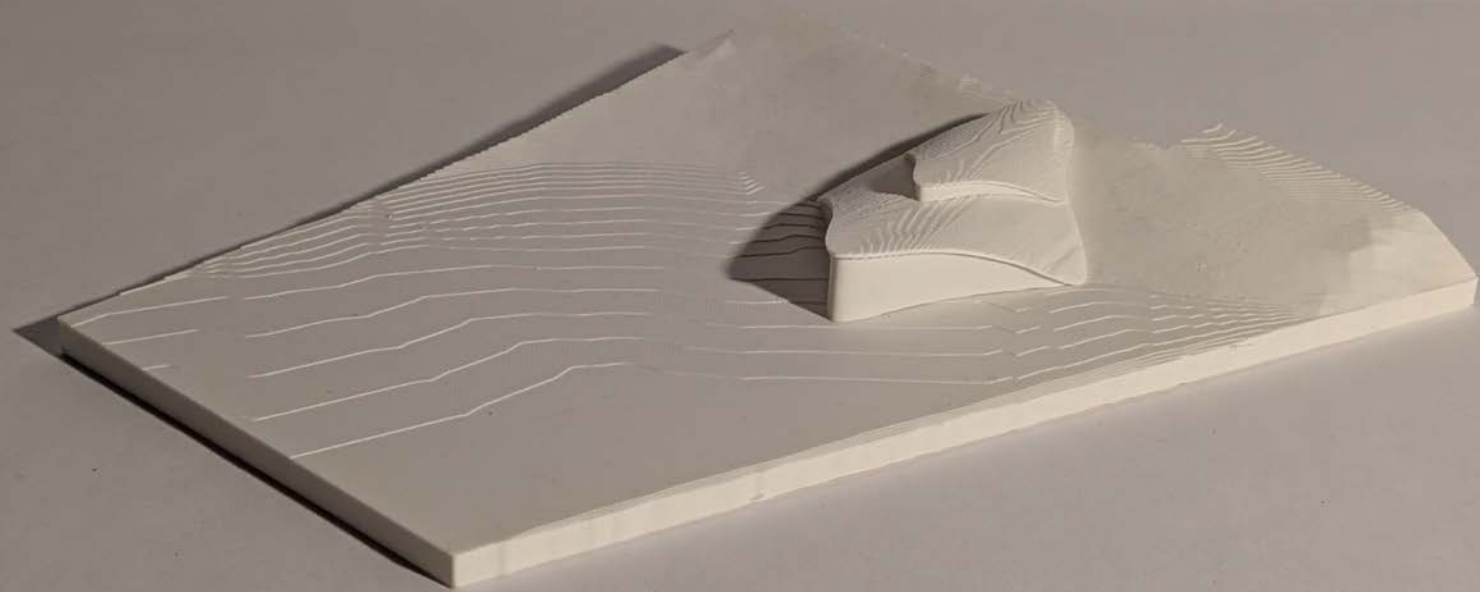




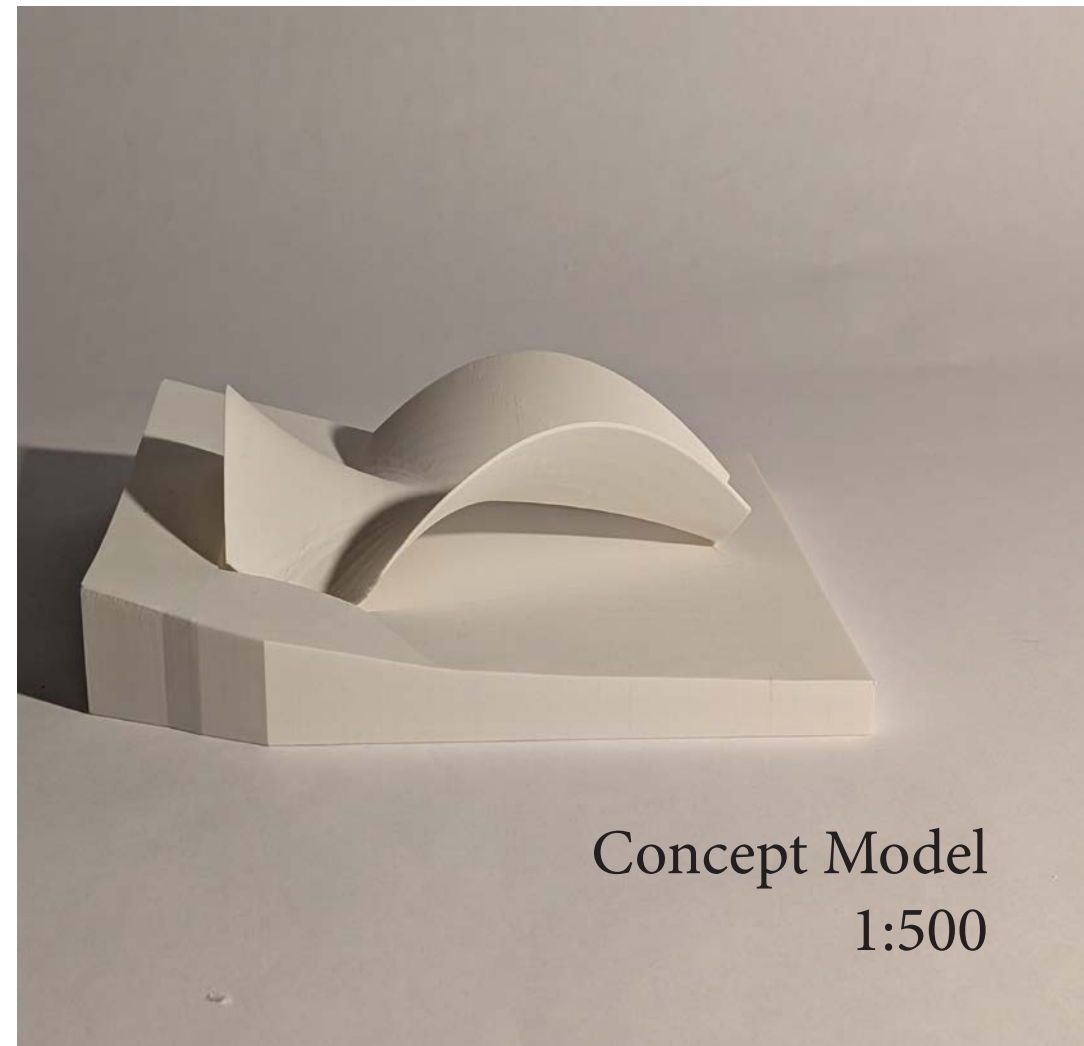
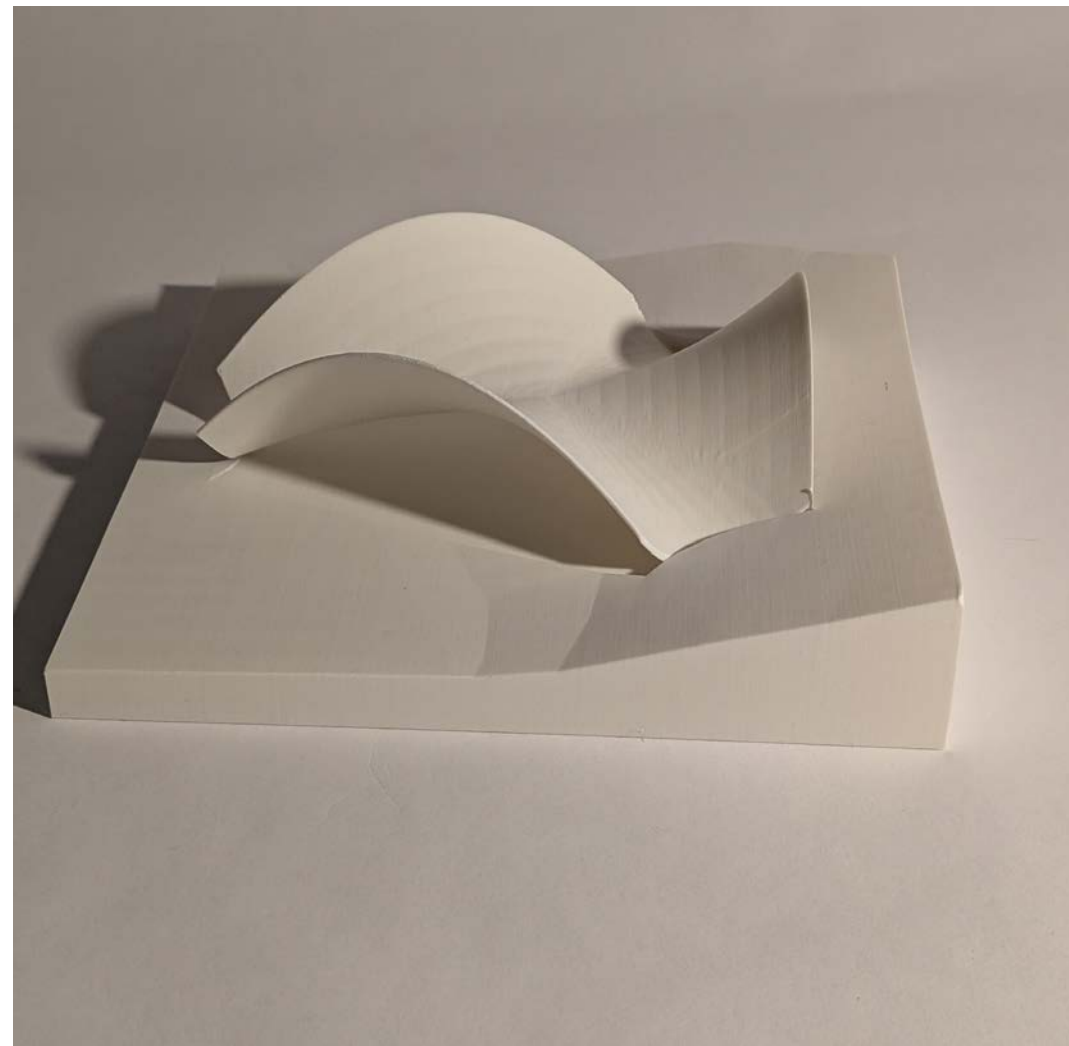
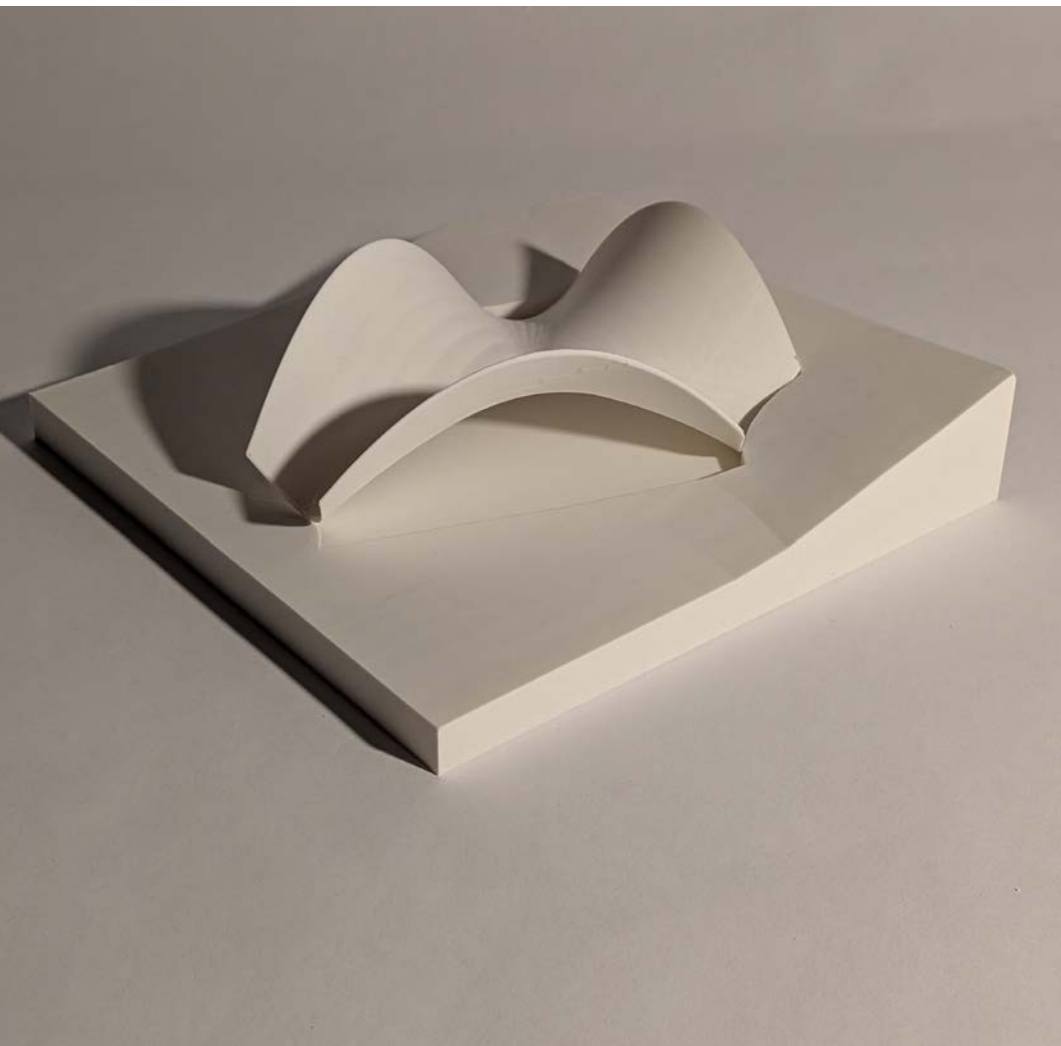
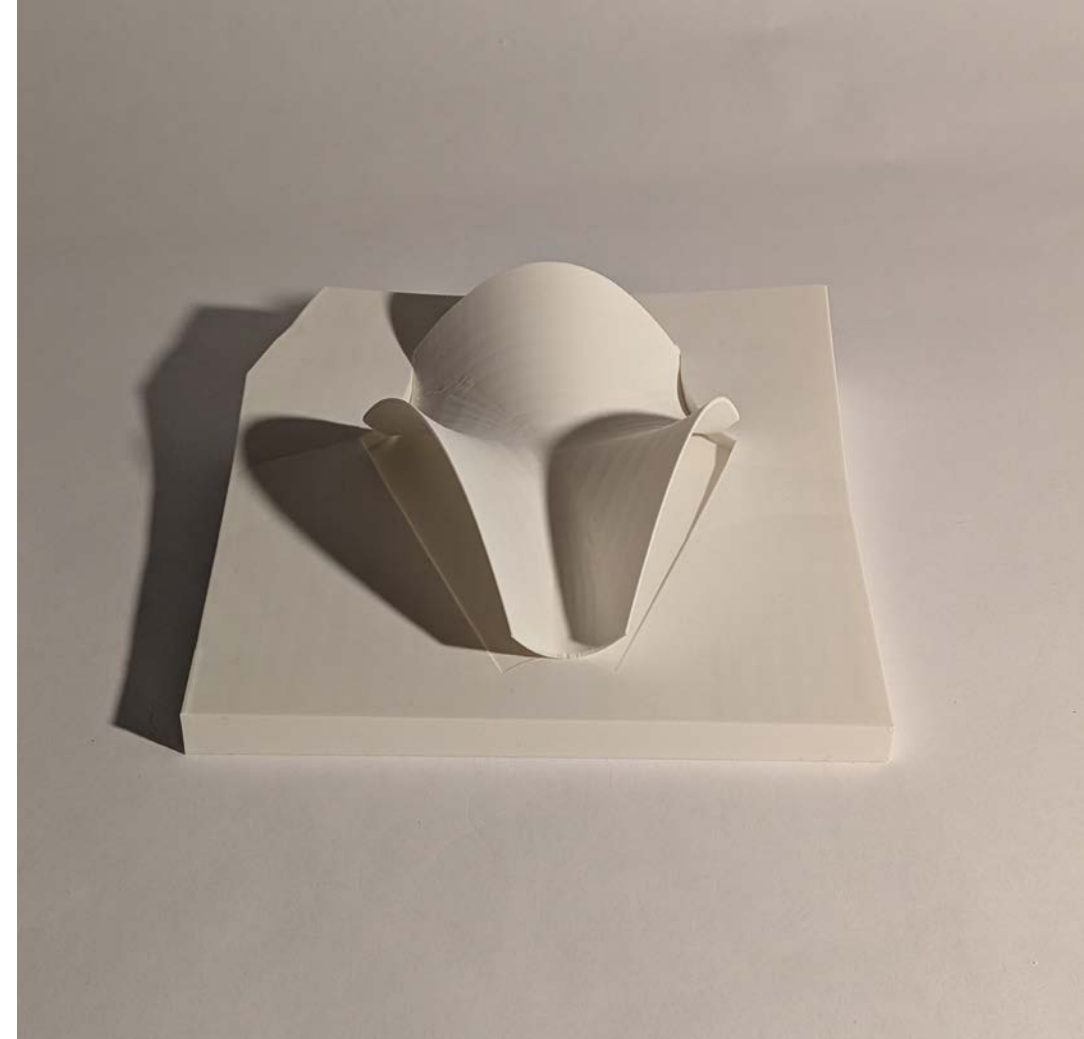
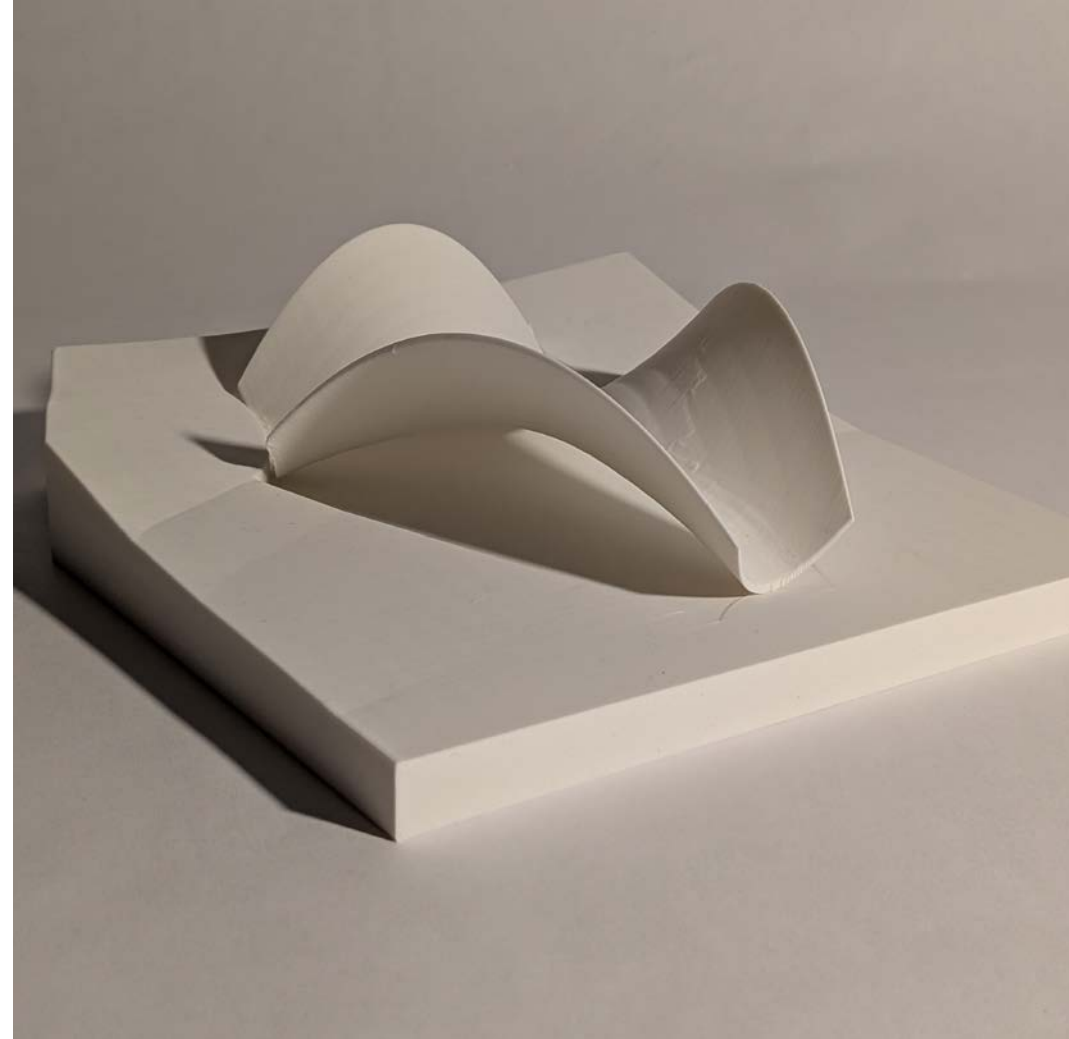
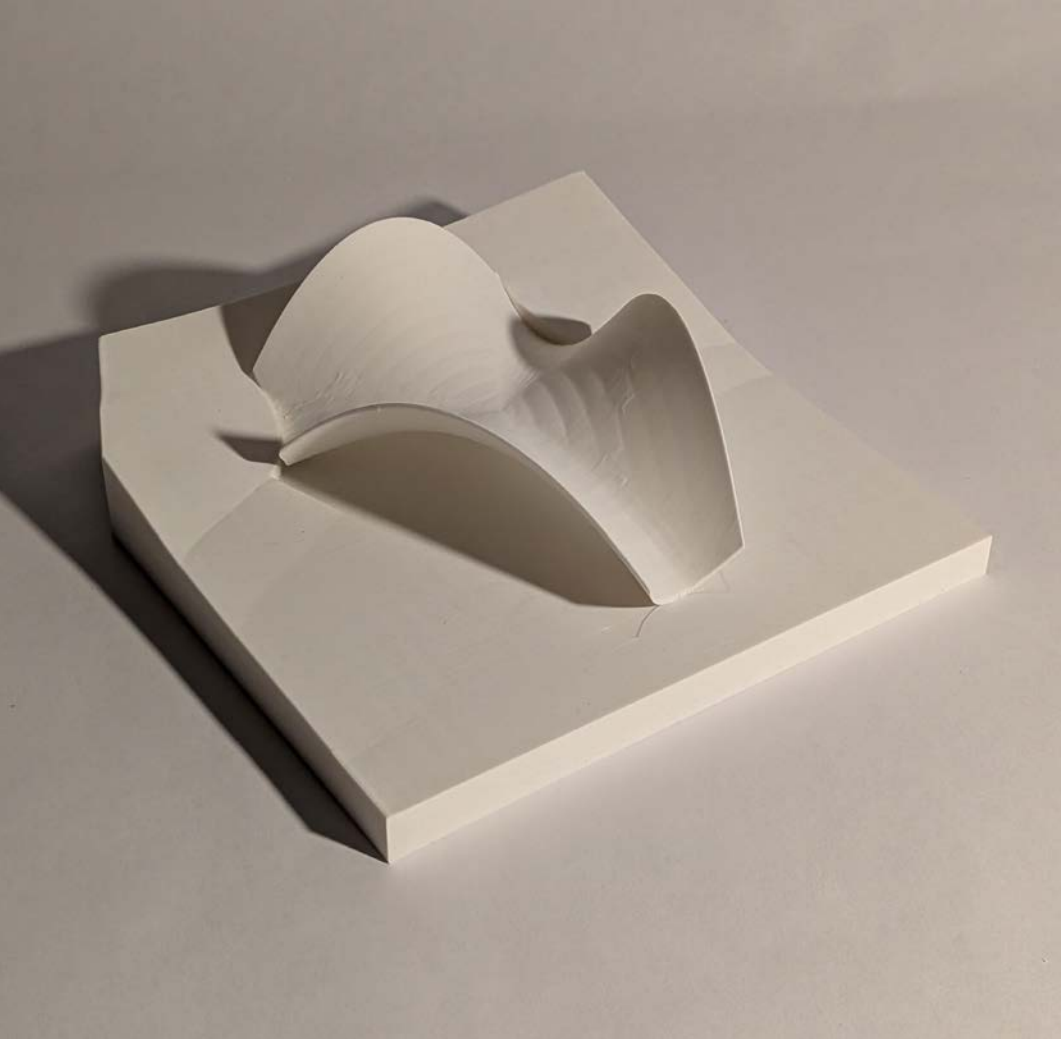
Concept Model
1:500



Concept Model
1:1000

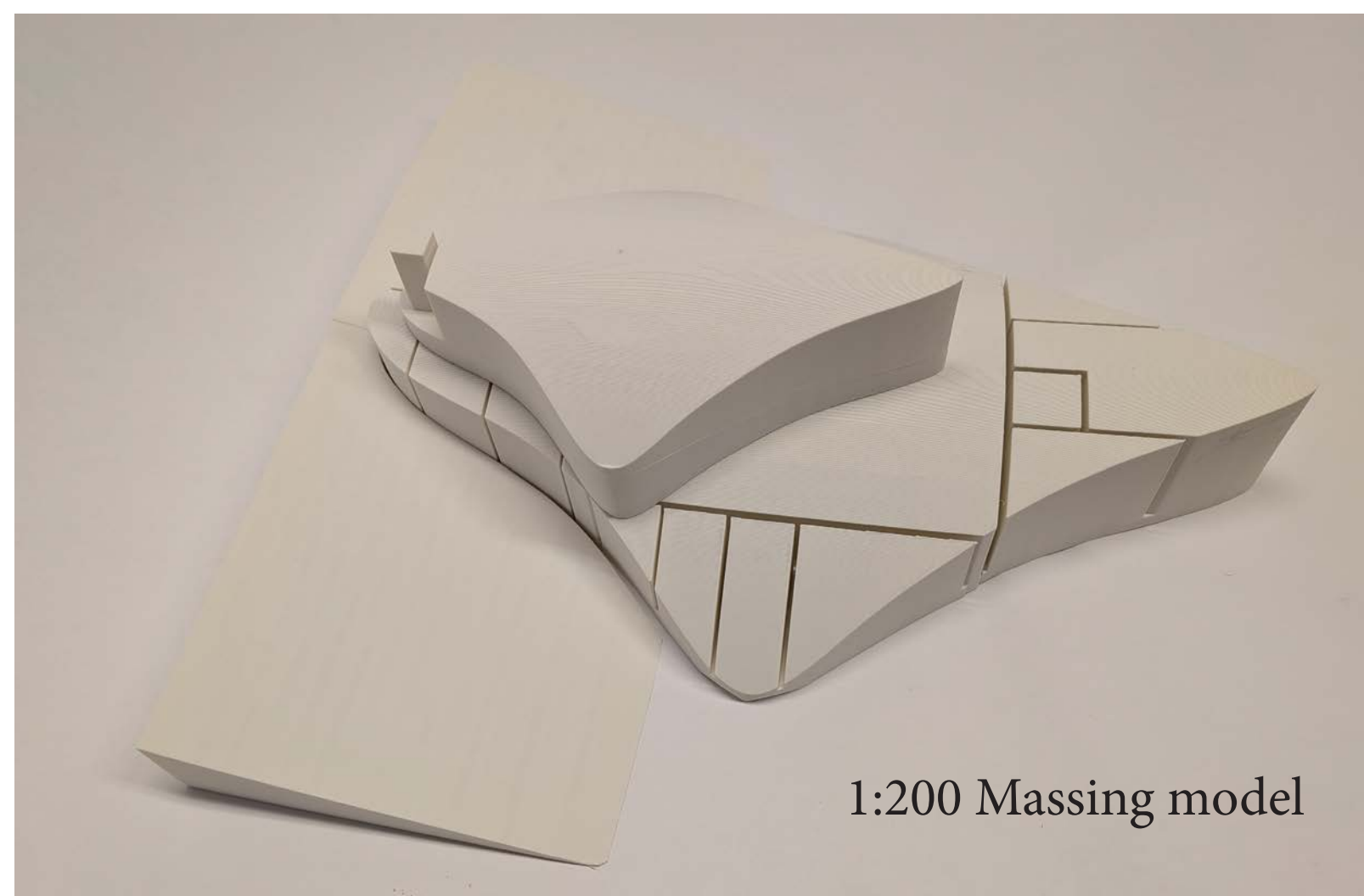
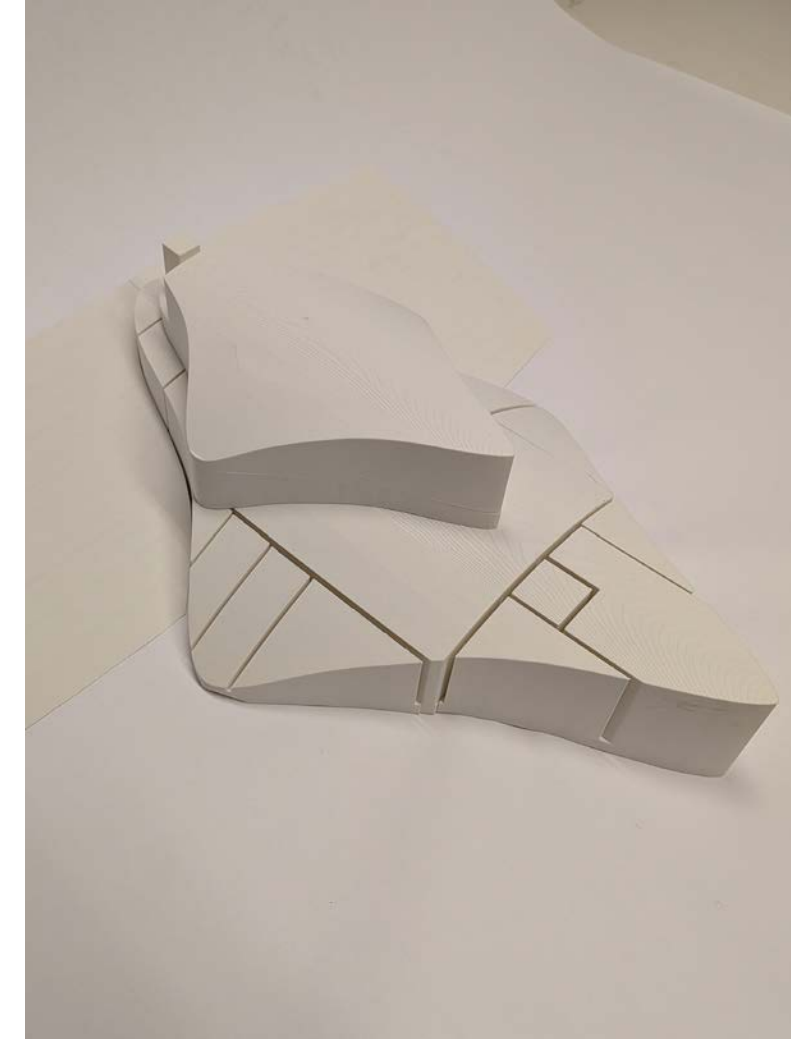
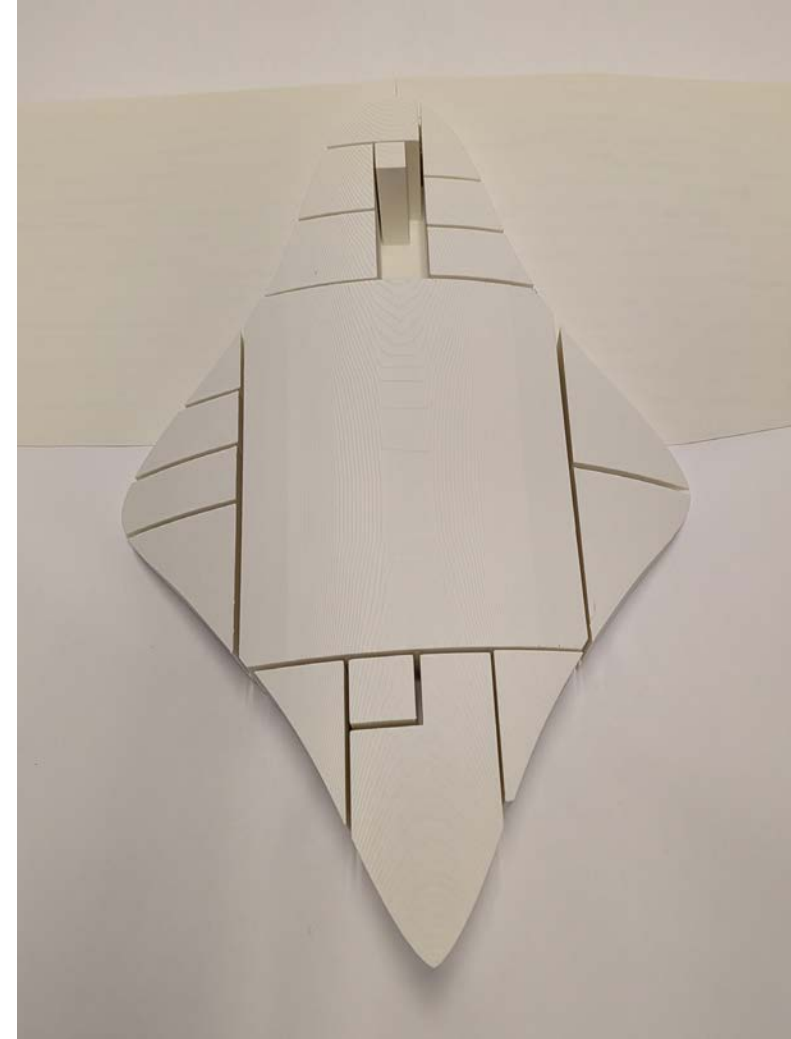
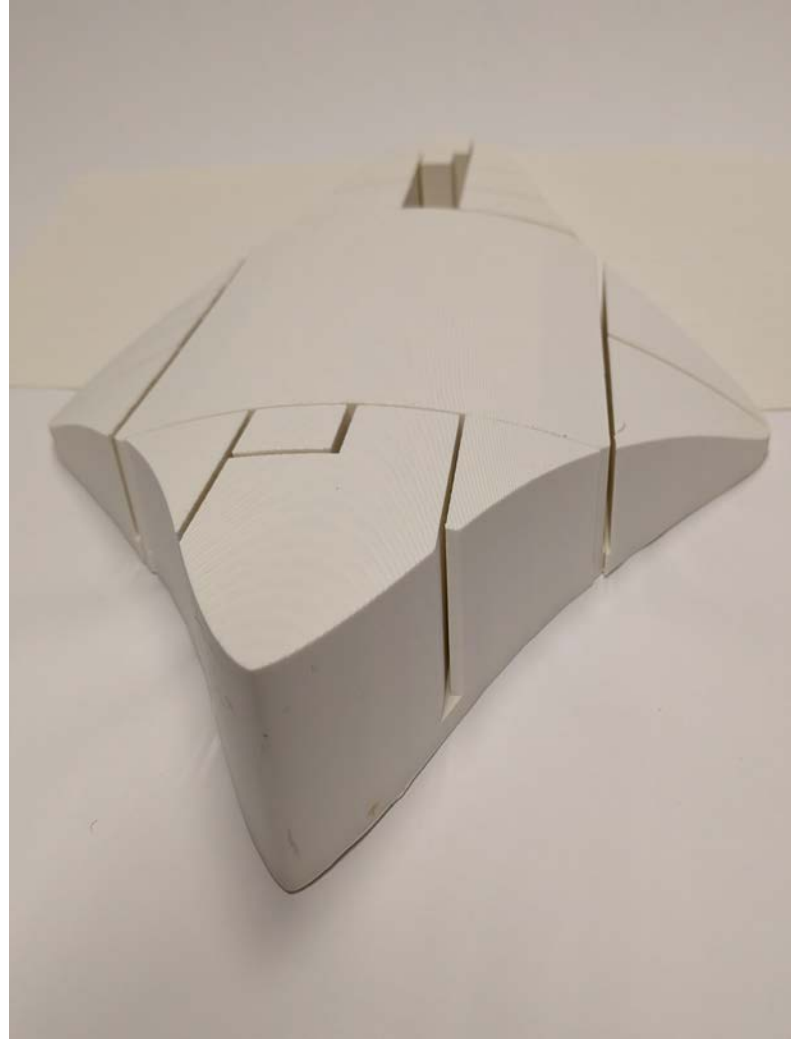
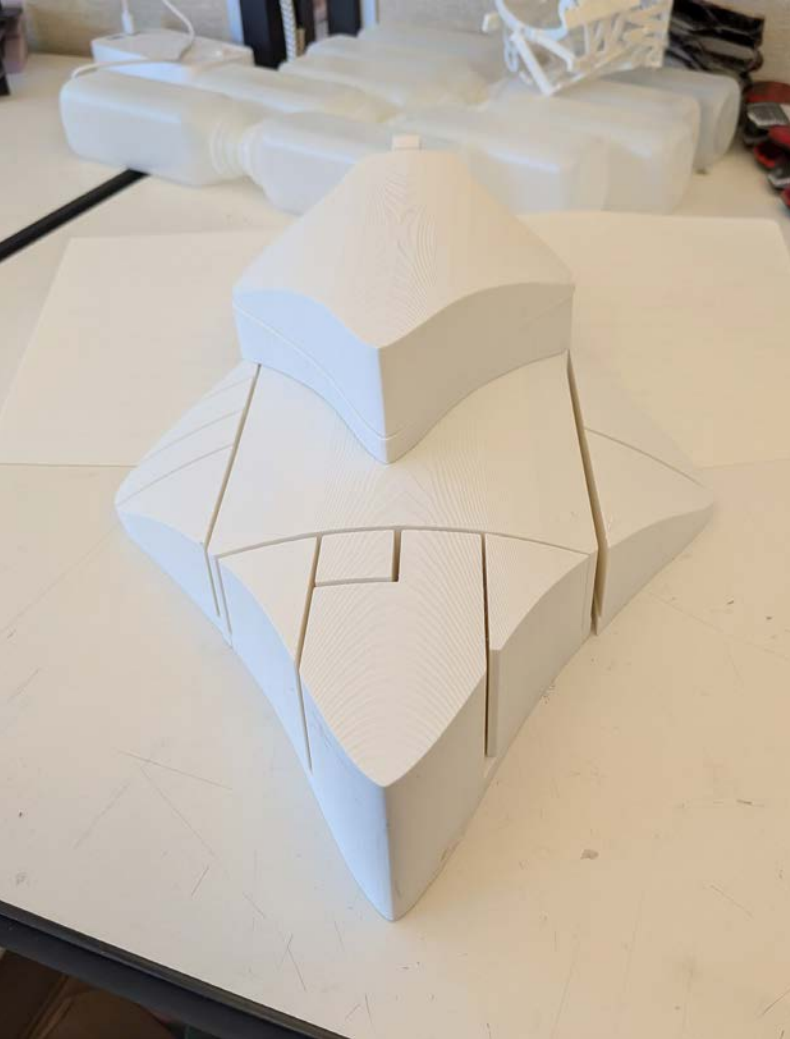


Concept Model
1:1000

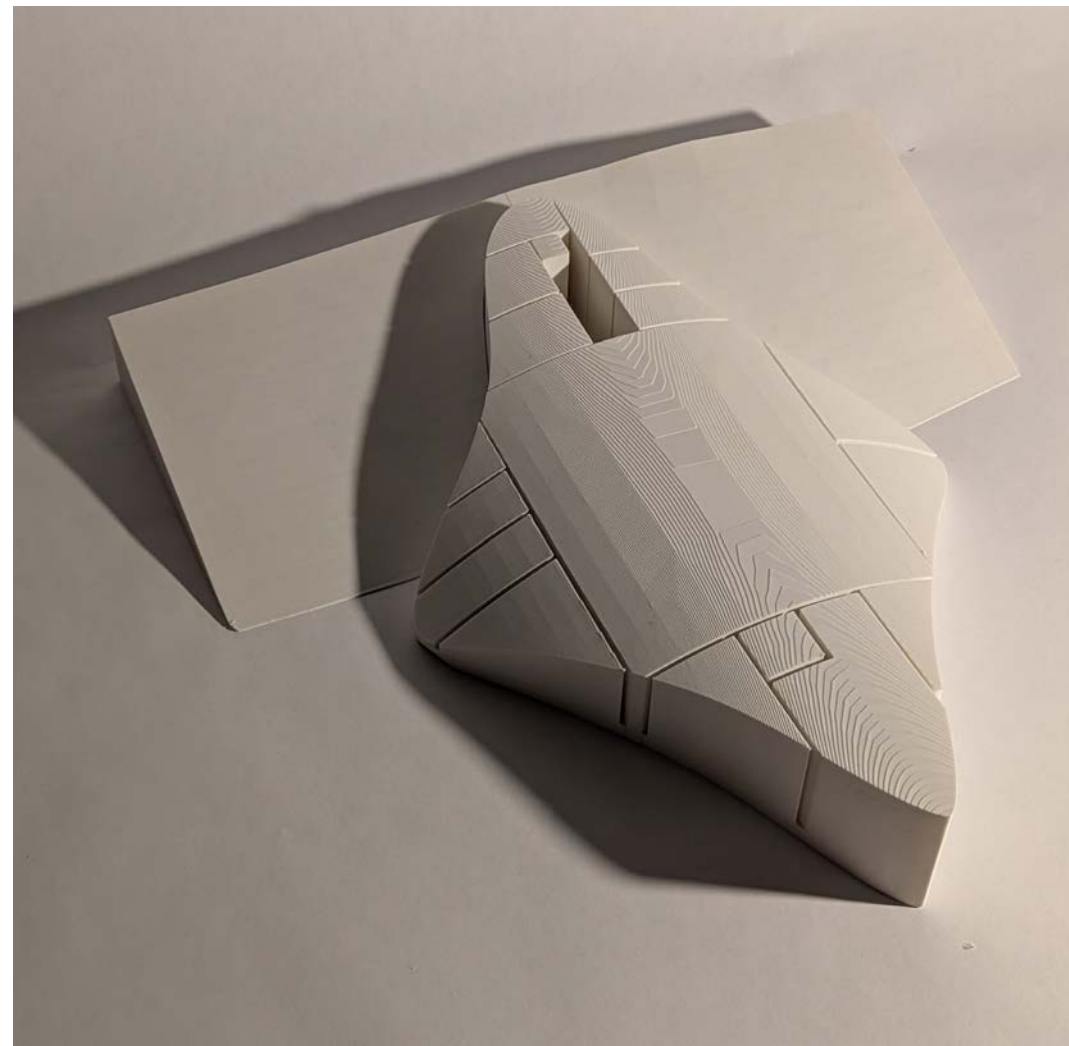
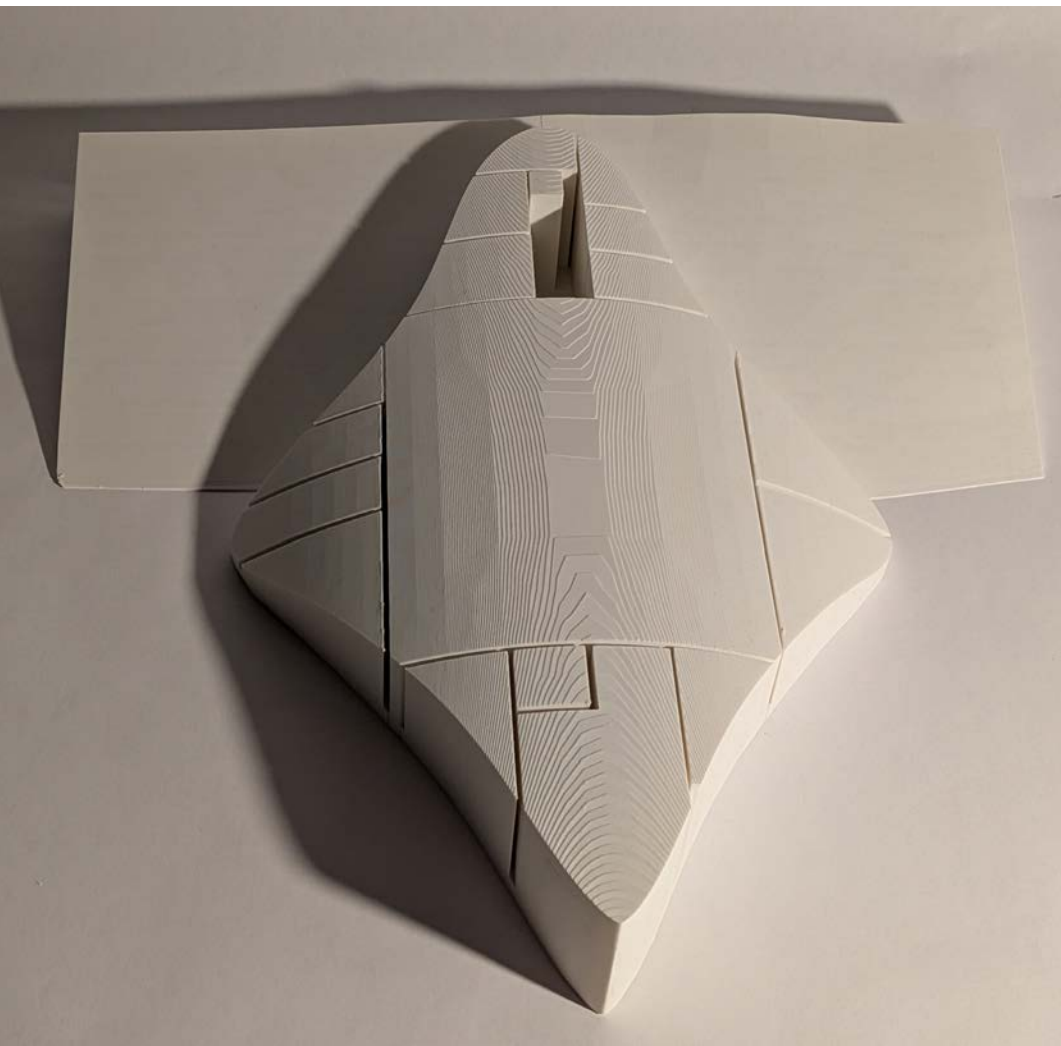
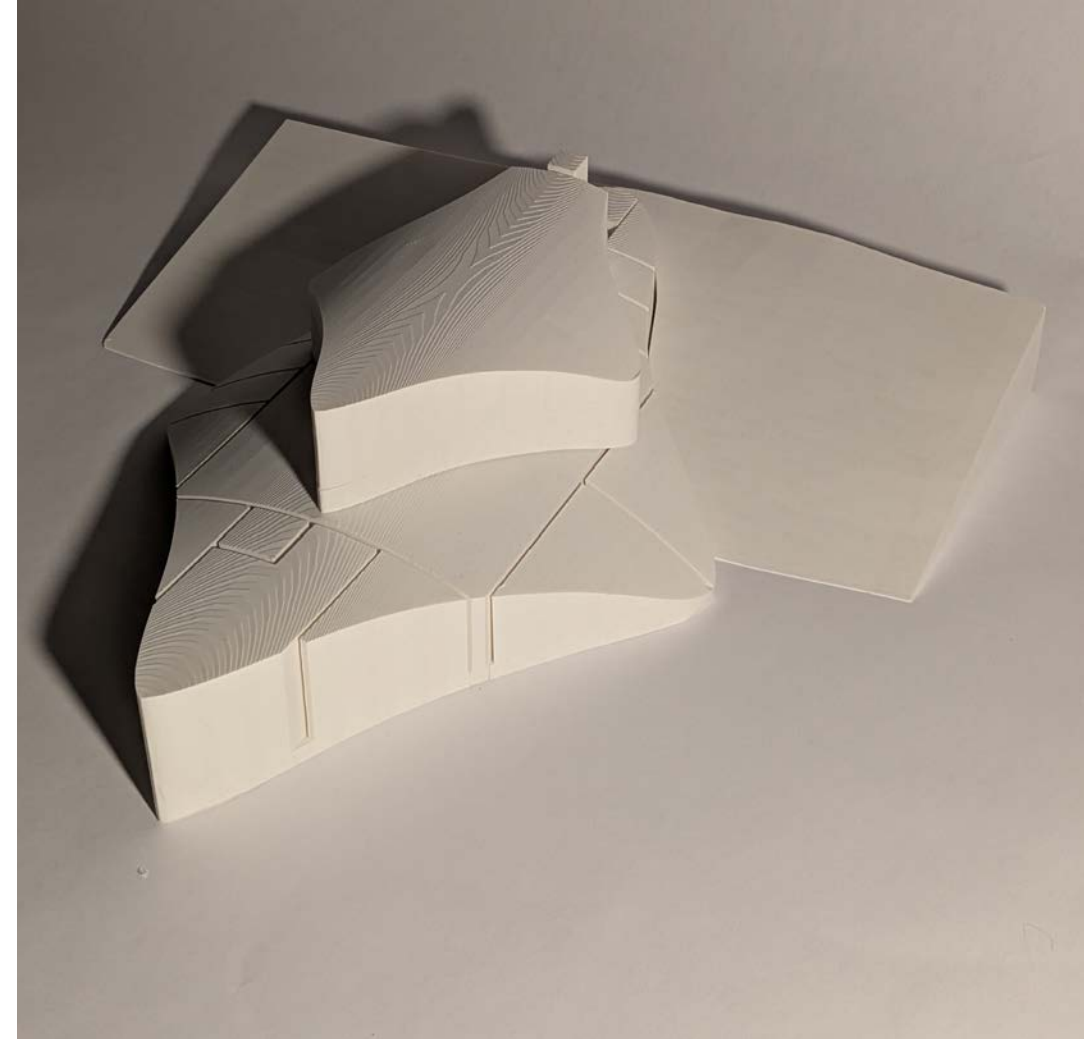
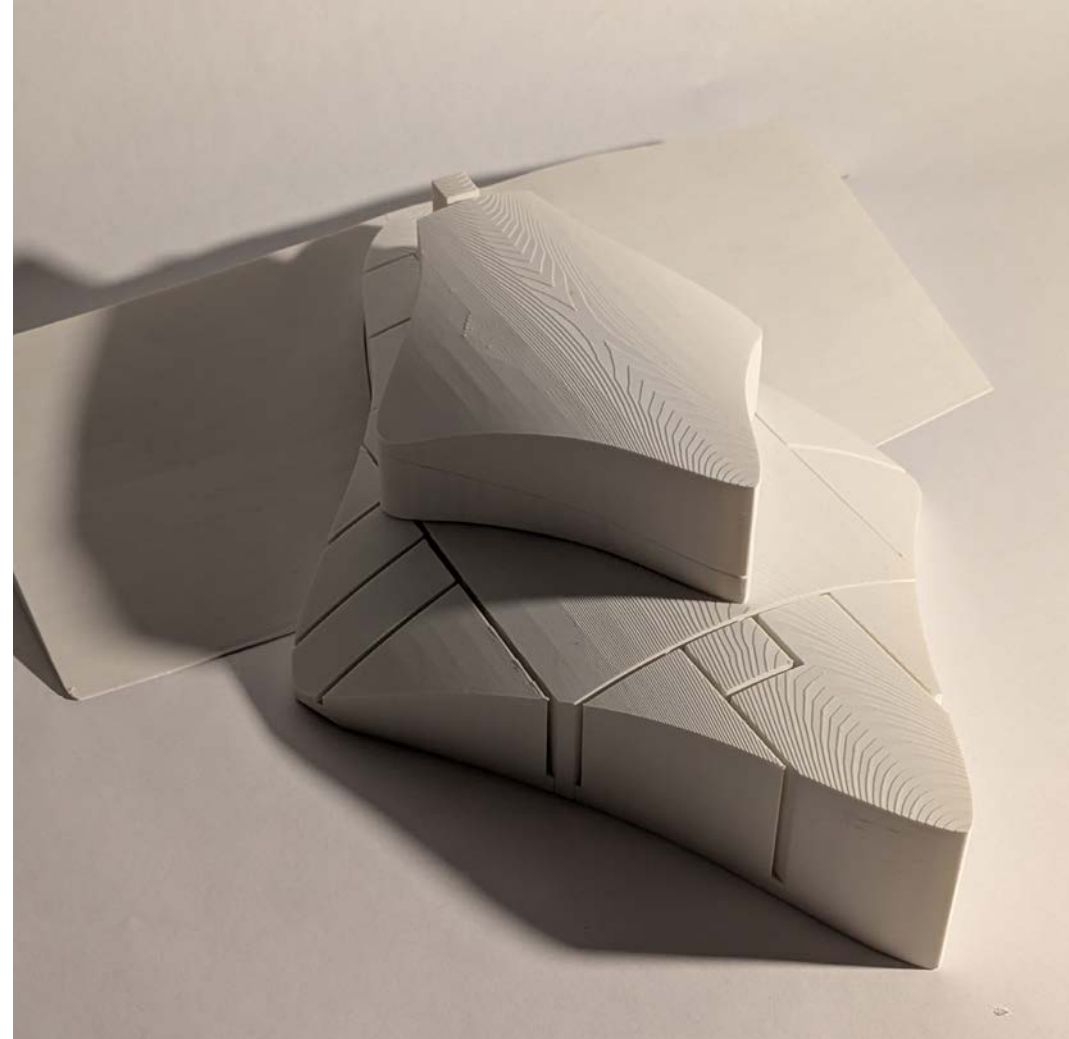
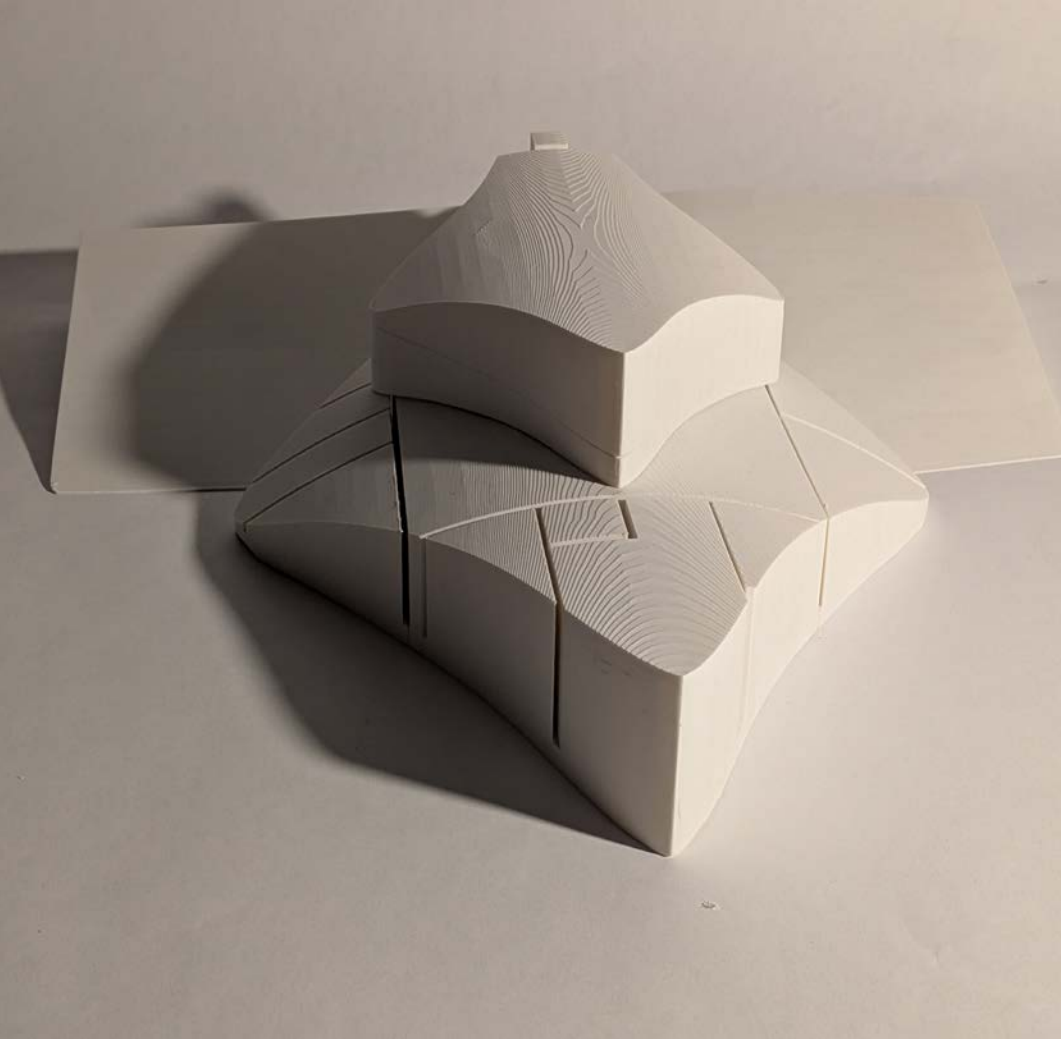


Concept Model
1:500

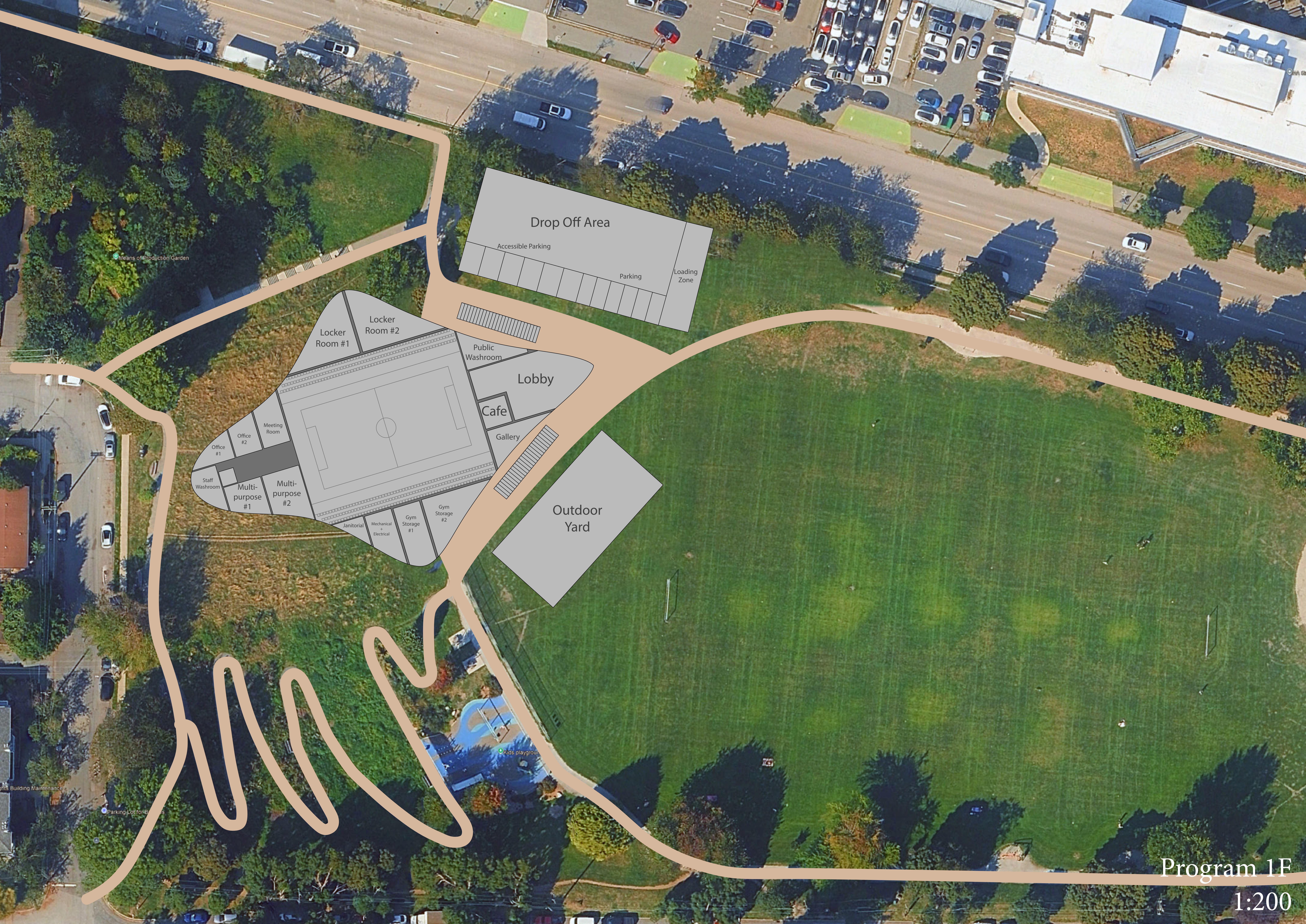
Massing Models and Program Diagrams



1:200 Massing model



1:200 Massing model



Drop Off Area

Accessible Parking

Parking

Loading Zone

Locker Room #1

Locker Room #2

Public Washroom

Lobby

Cafe

Gallery

Outdoor Yard

Staff Washroom

Multi-purpose #1

Multi-purpose #2

Office #1

Office #2

Meeting Room

Janitorial

Mechanical + Electrical

Gym Storage #1

Gym Storage #2



Drop Off Area

Accessible Parking

Parking

Loading Zone

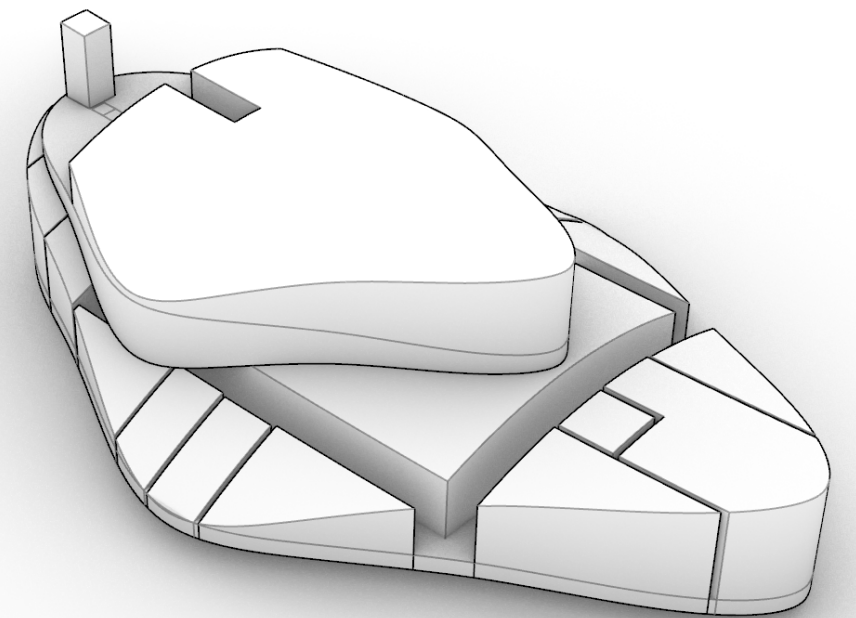
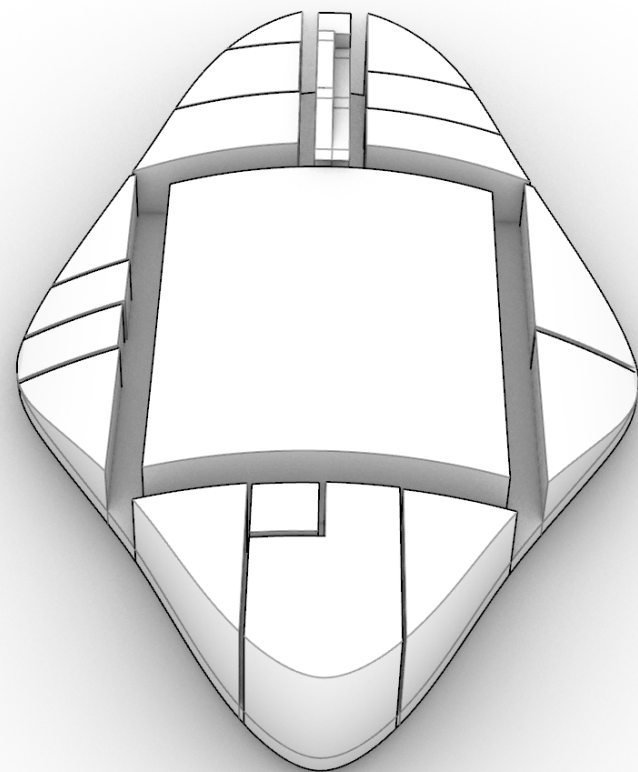
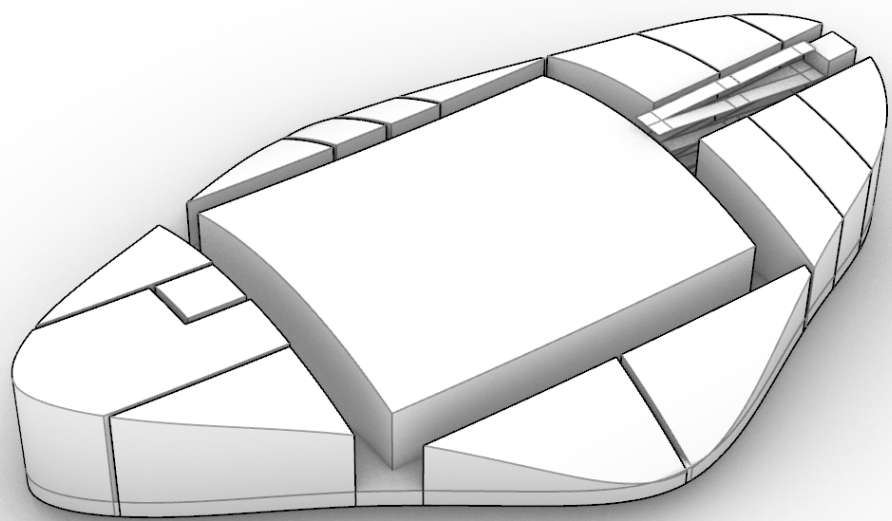
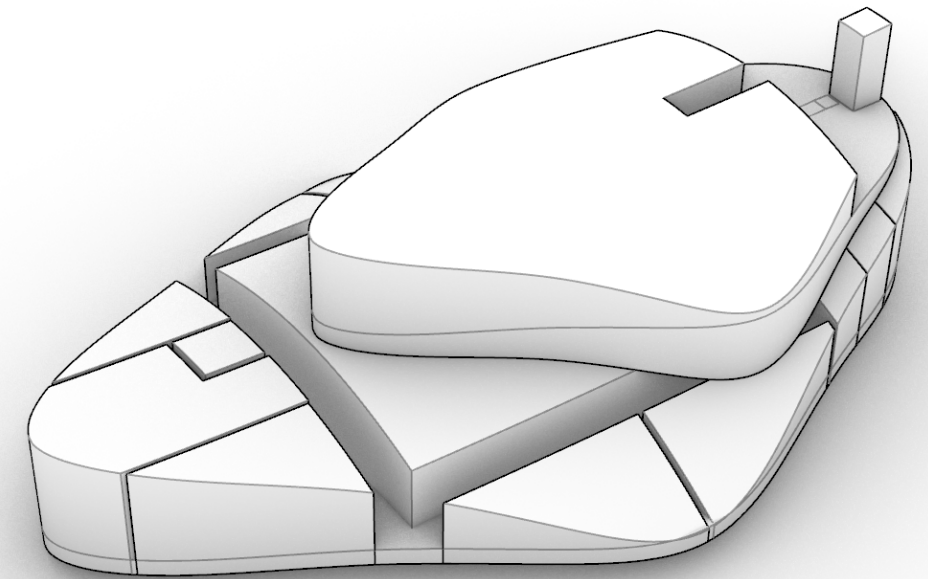
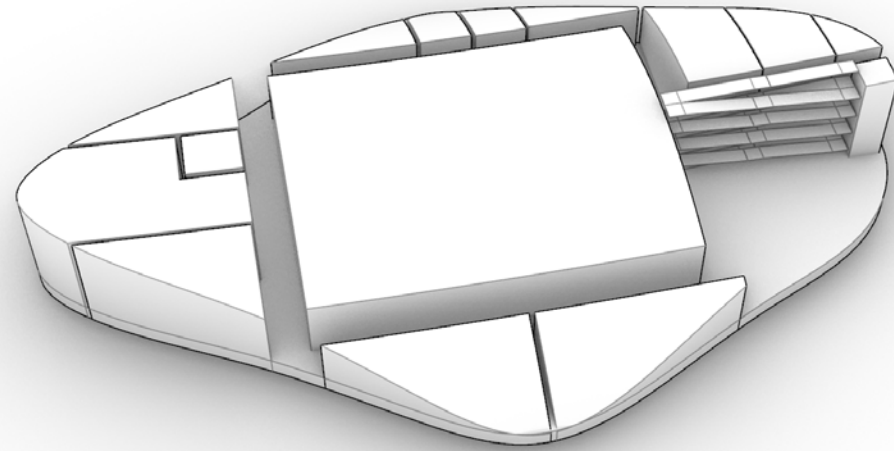
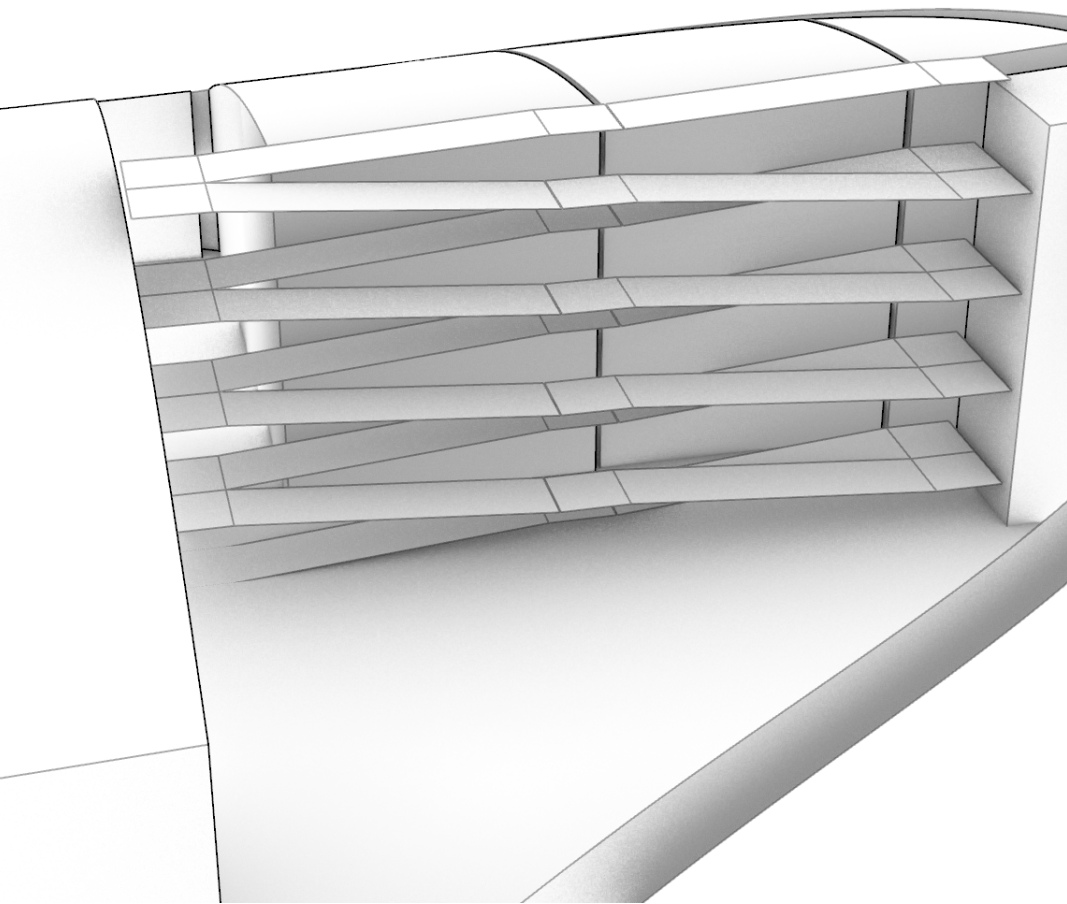
Physio

Outdoor Yard

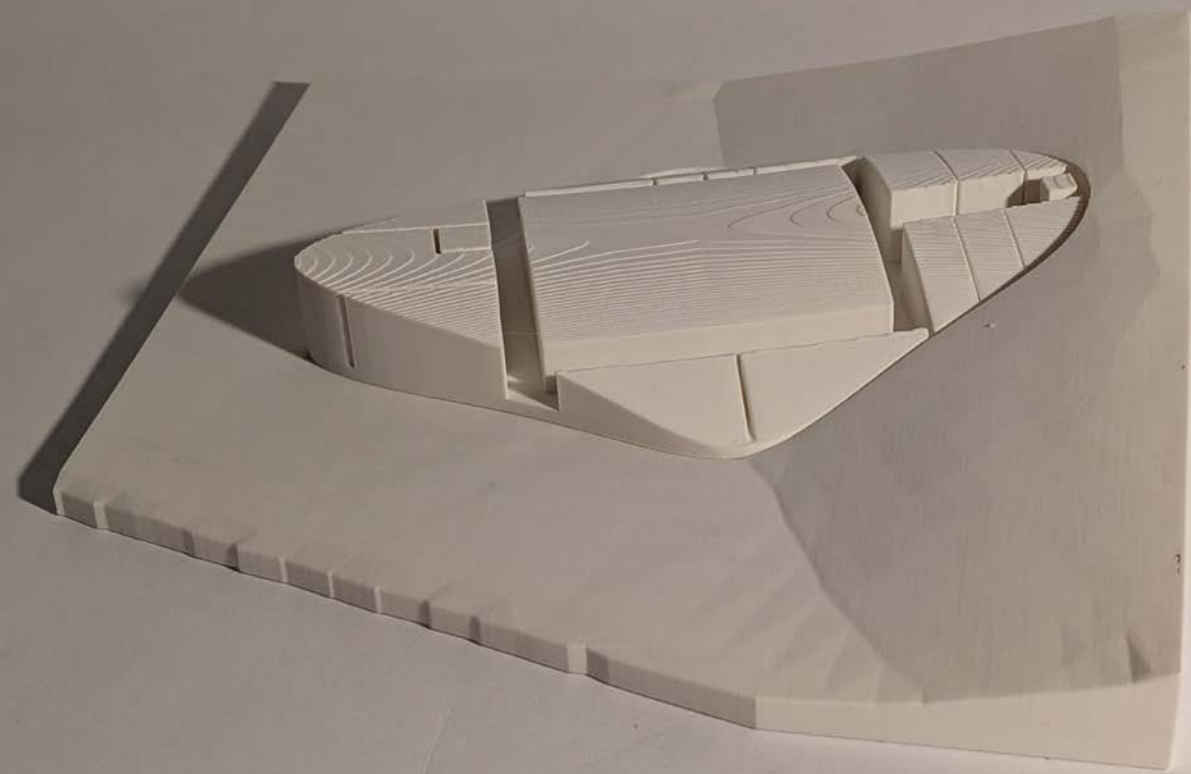
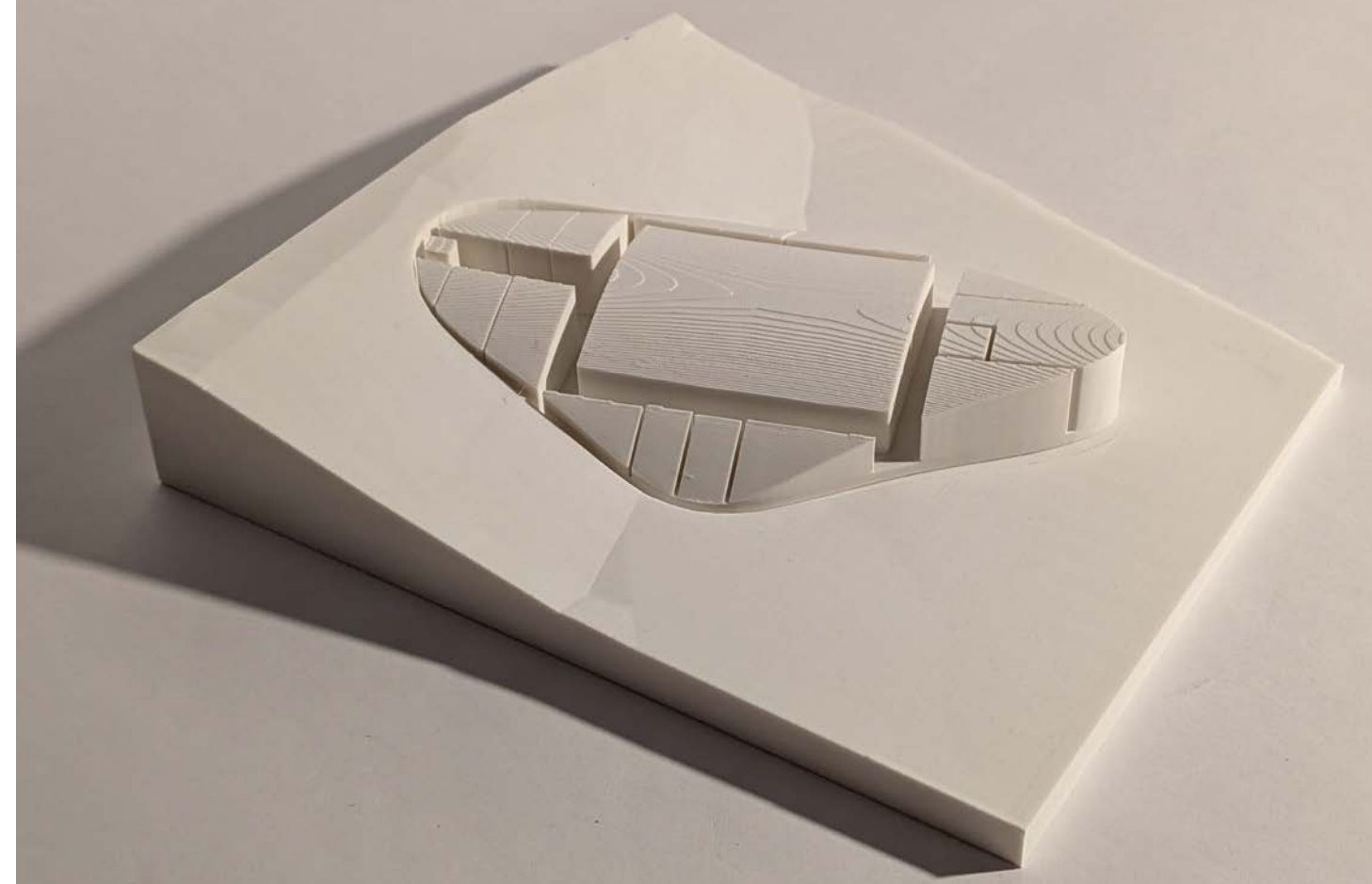
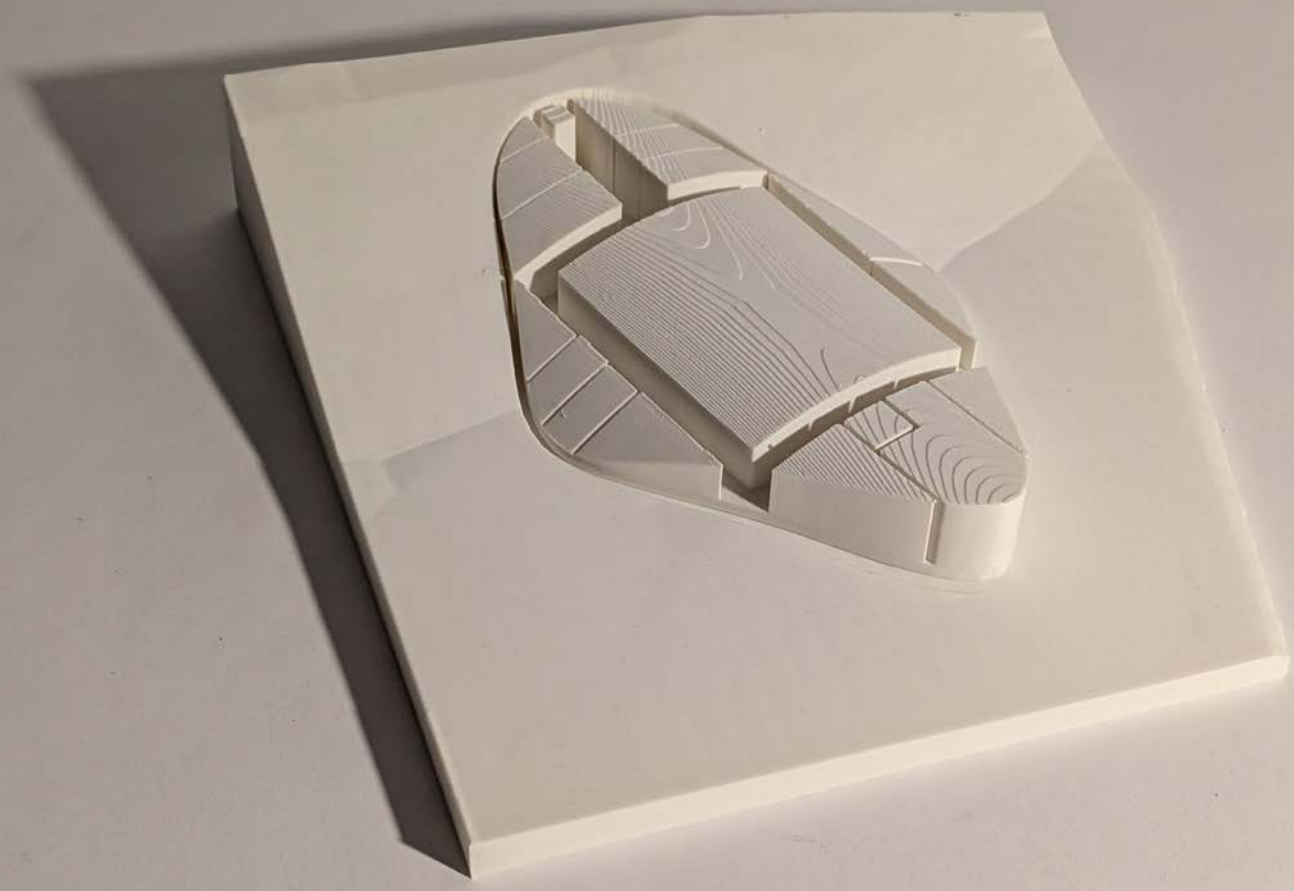
Kids playground

Program 2F

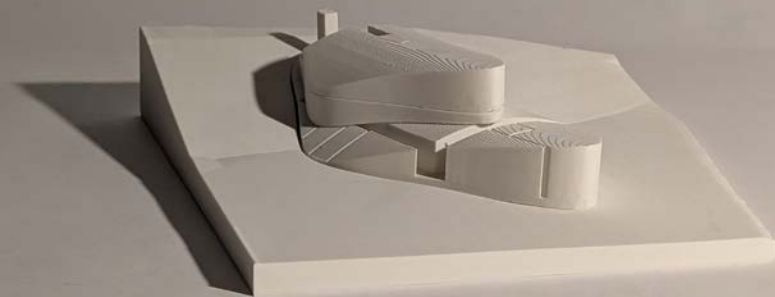
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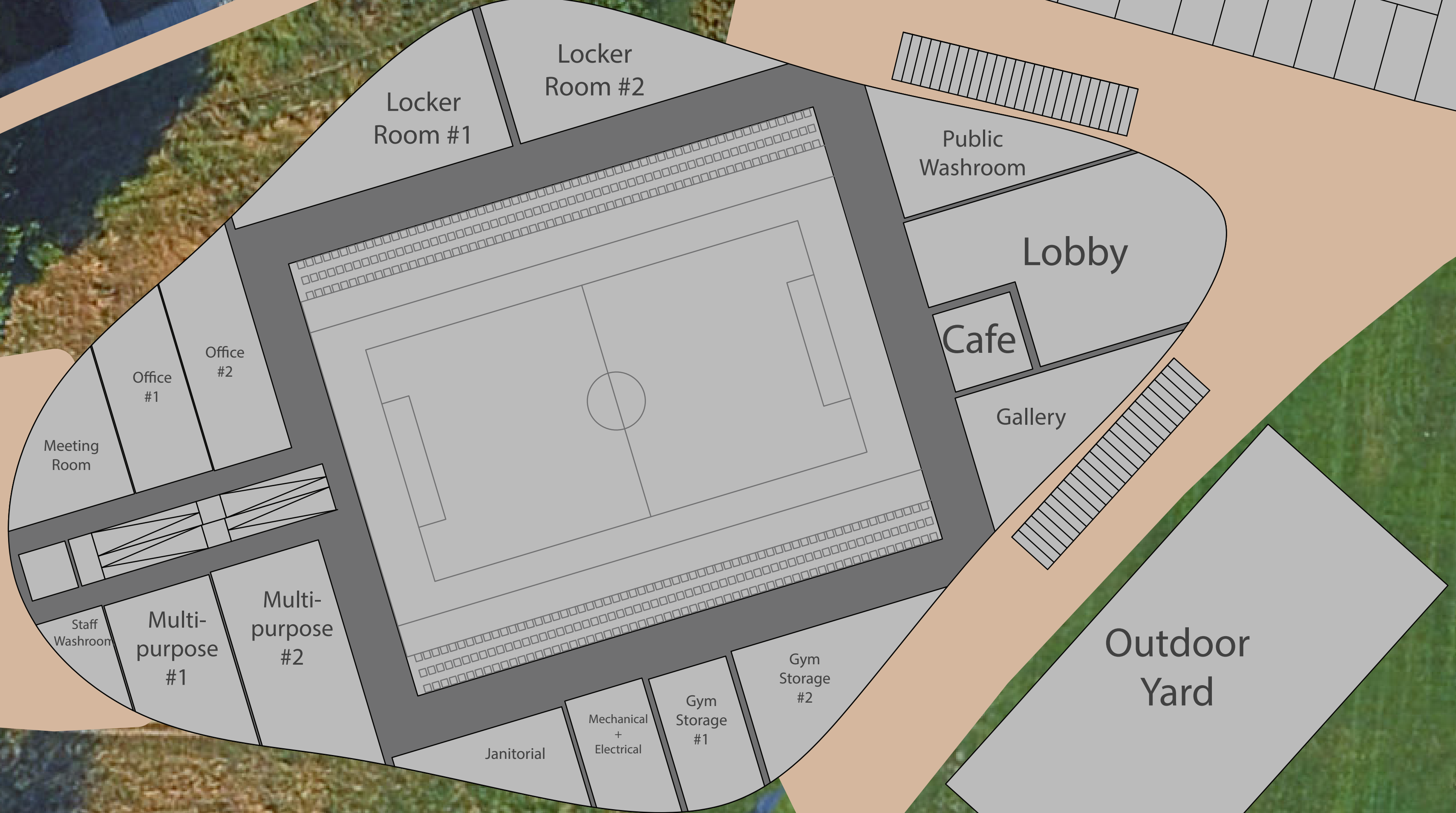
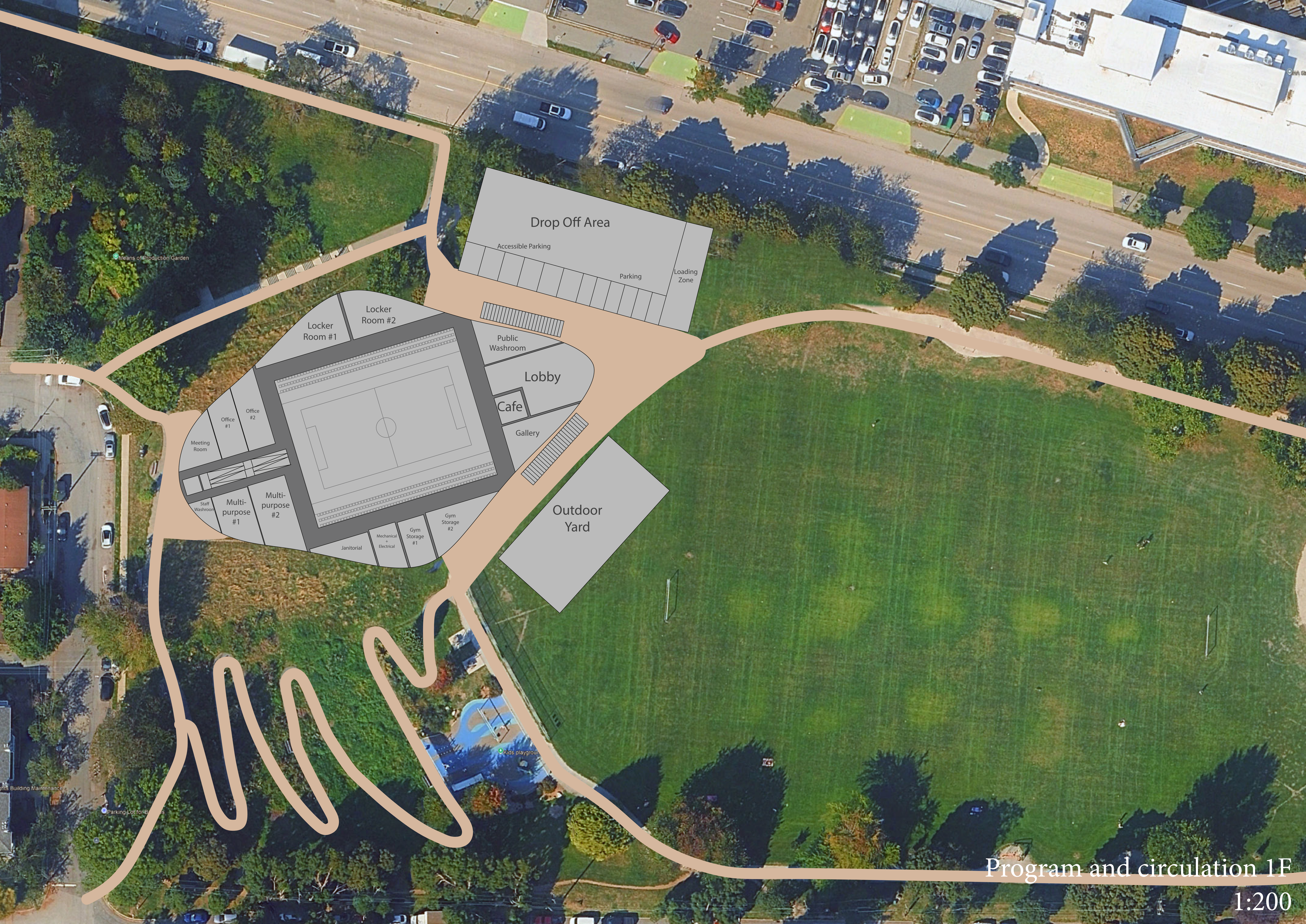
Digital Massing model

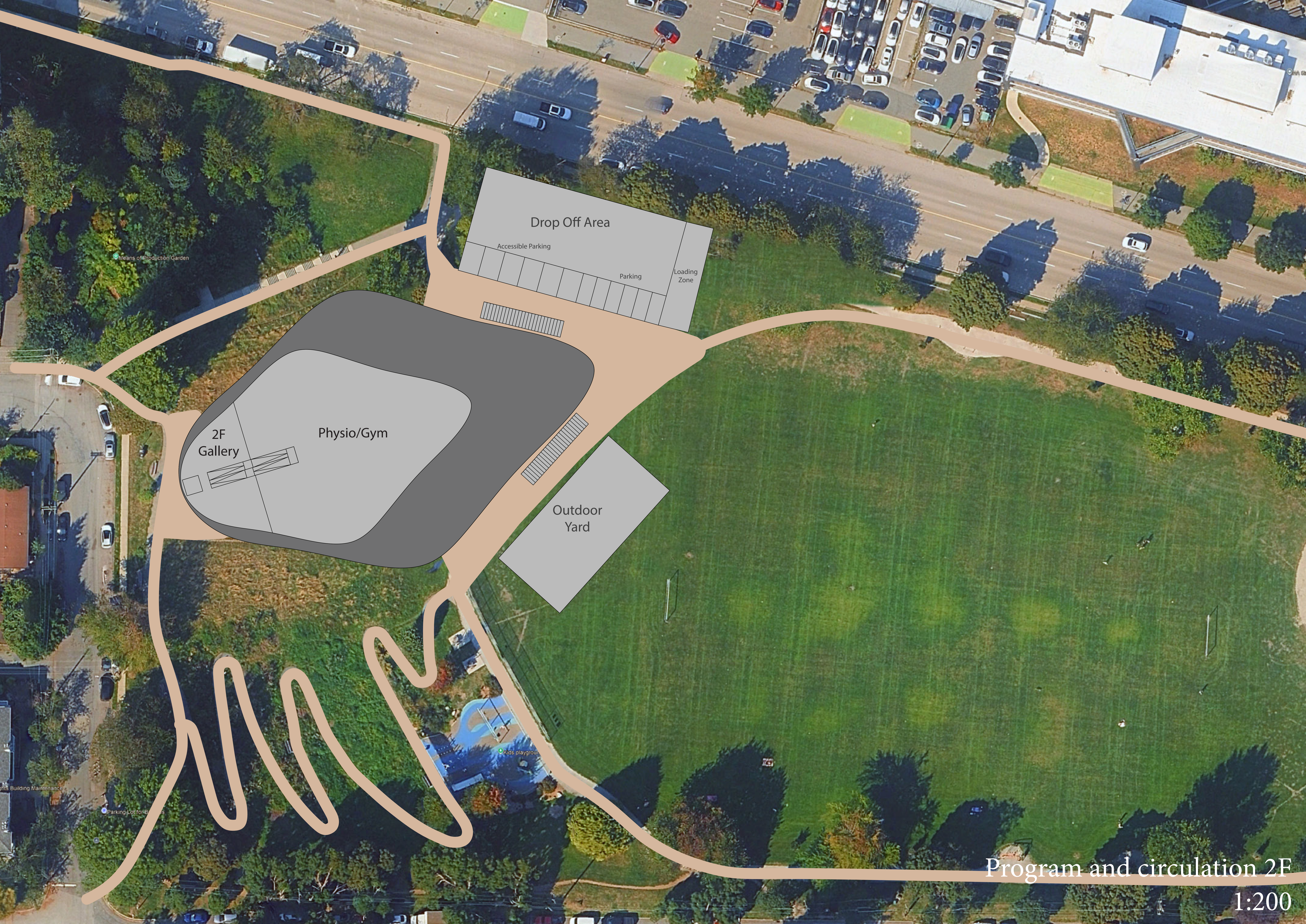


Massing Model
1:500



Massing Model
1:500





Drop Off Area

Accessible Parking

Parking

Loading Zone

2F
Gallery

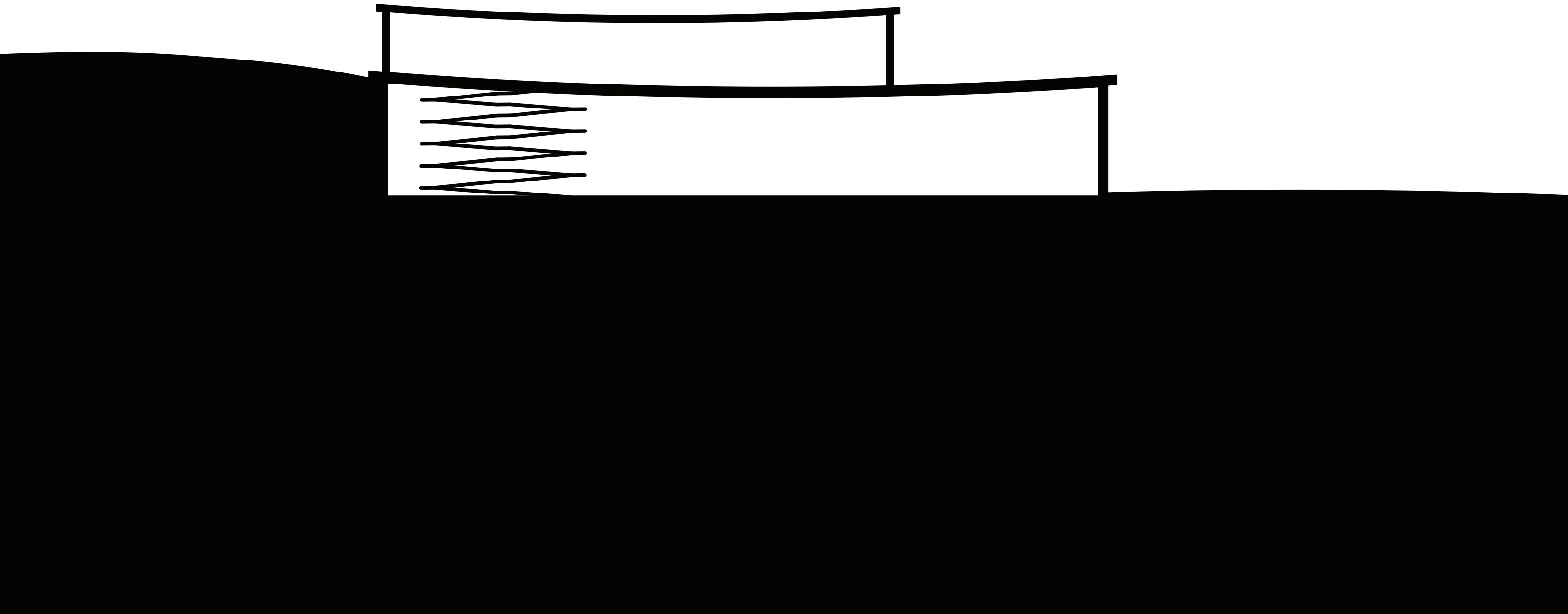
Physio/Gym

Outdoor
Yard

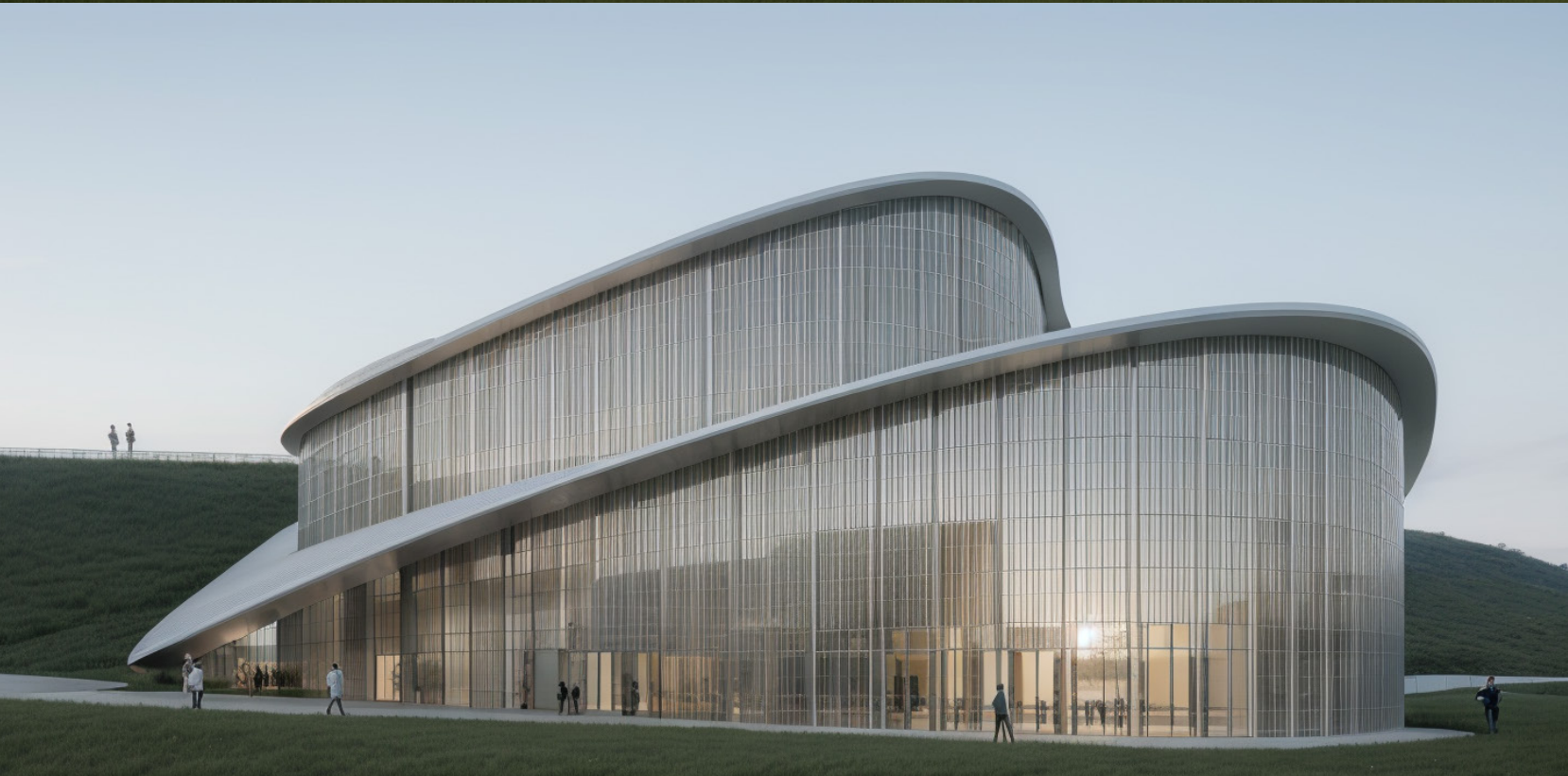
Program and circulation 2F

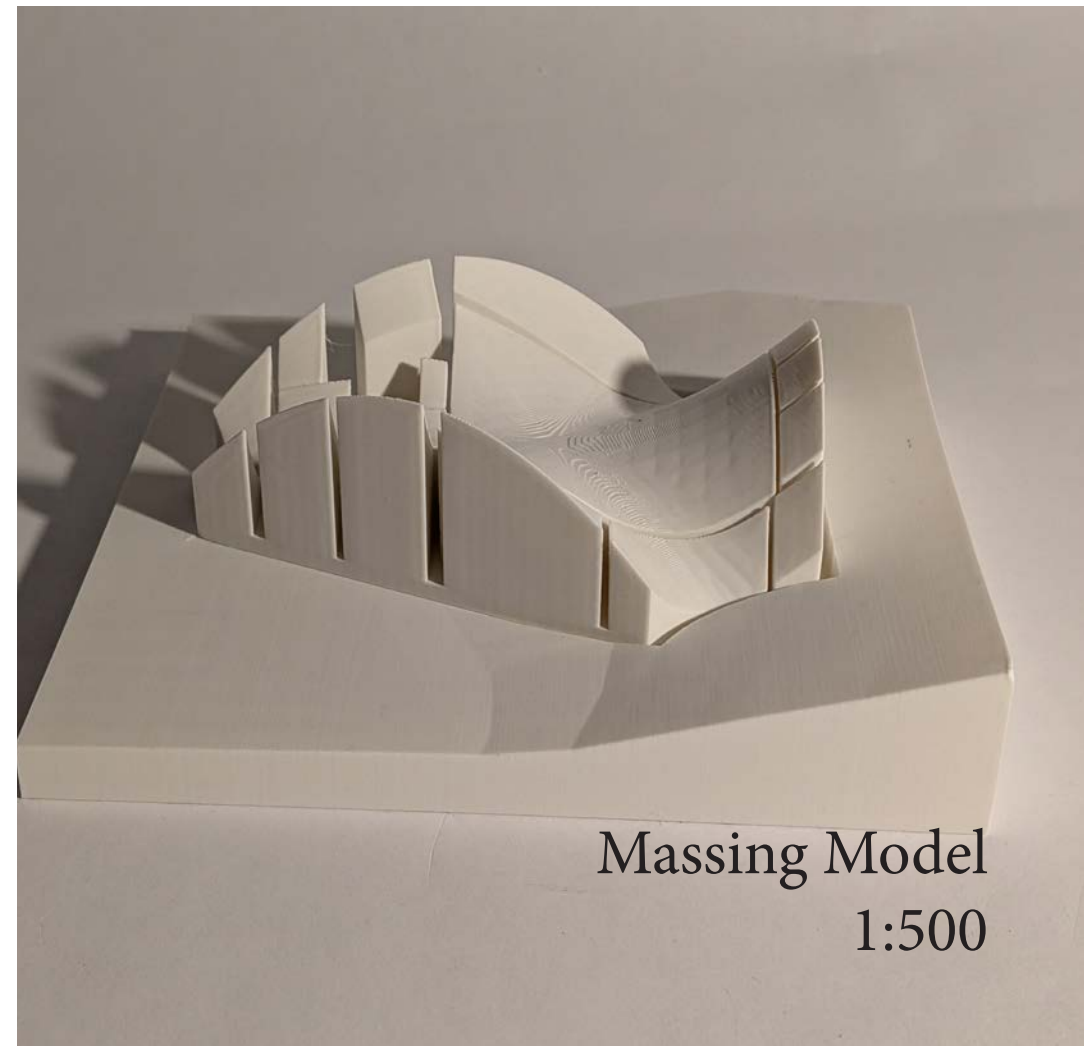
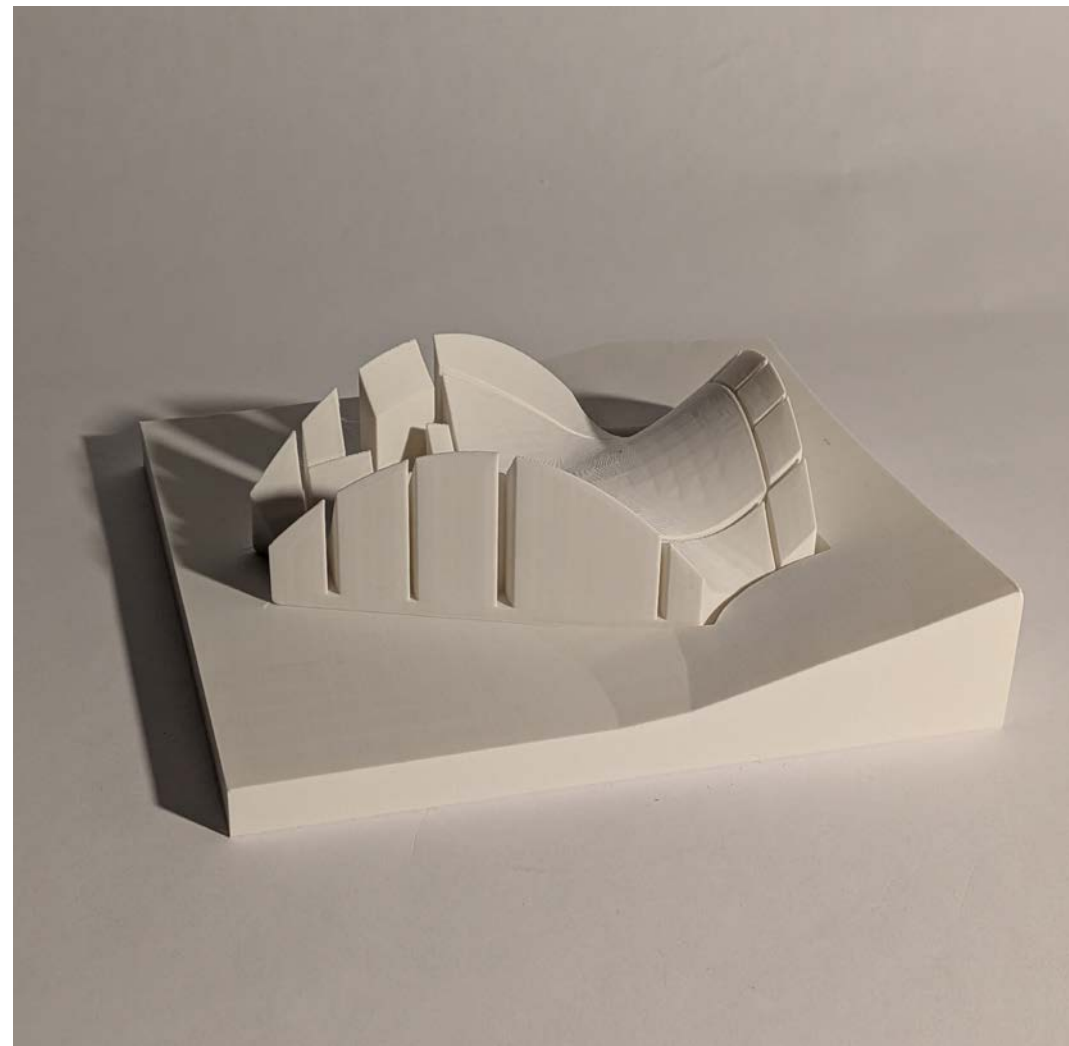
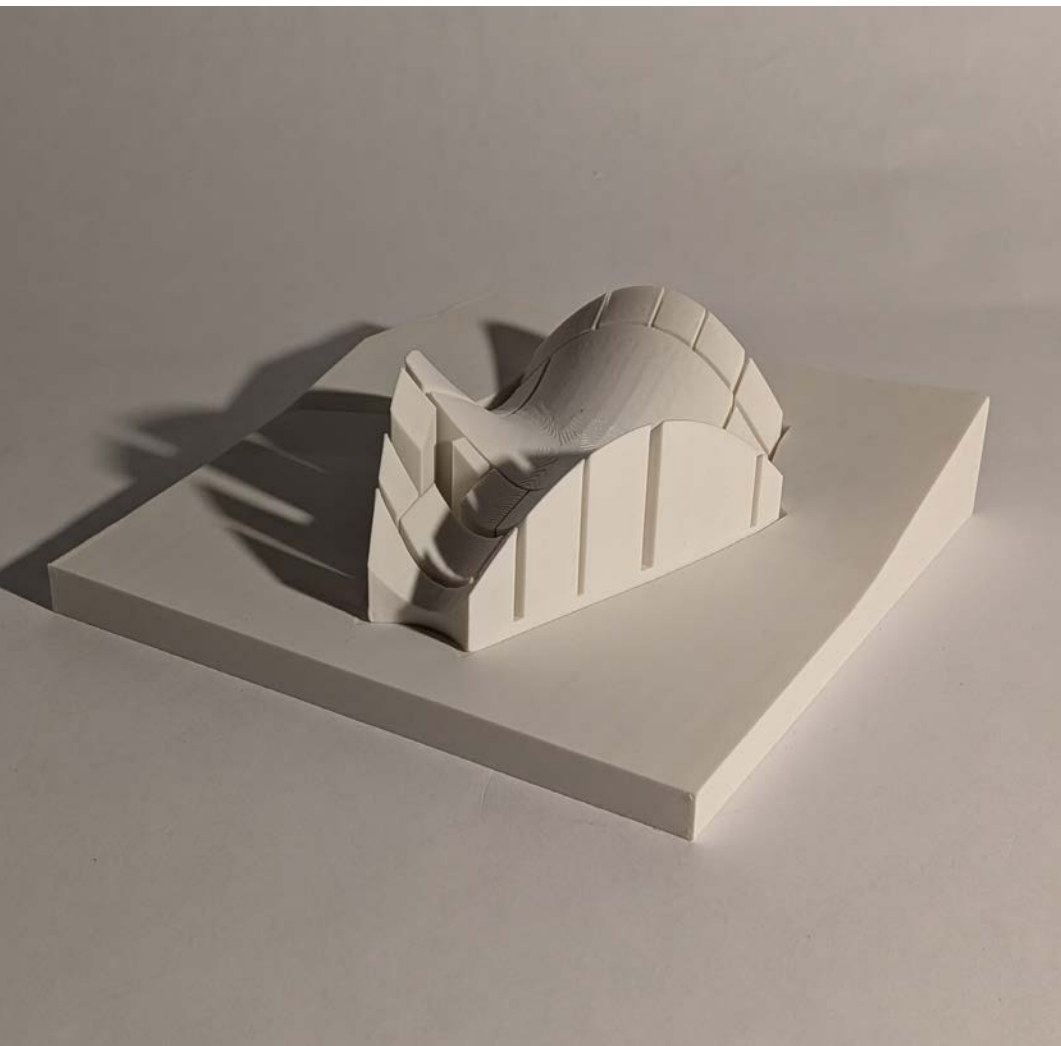
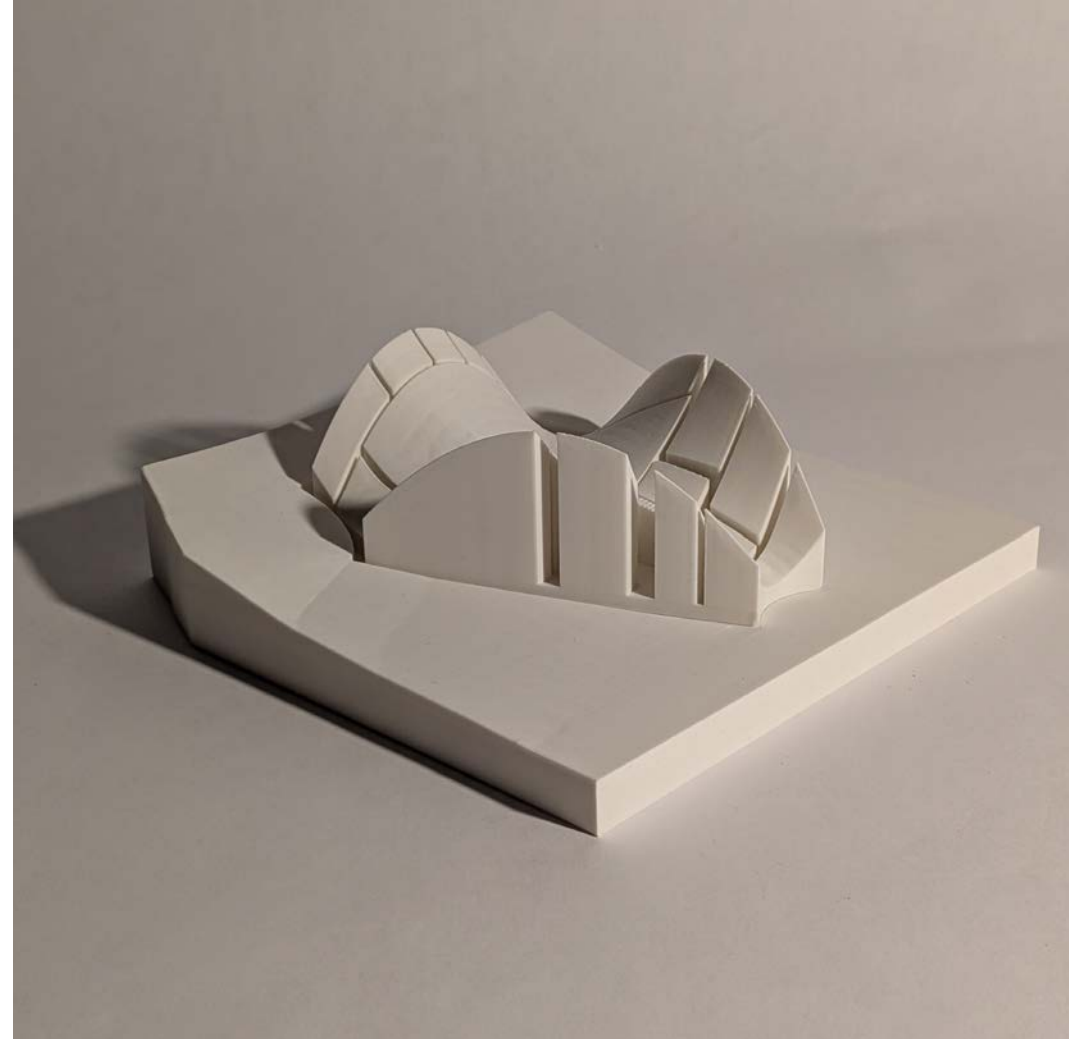
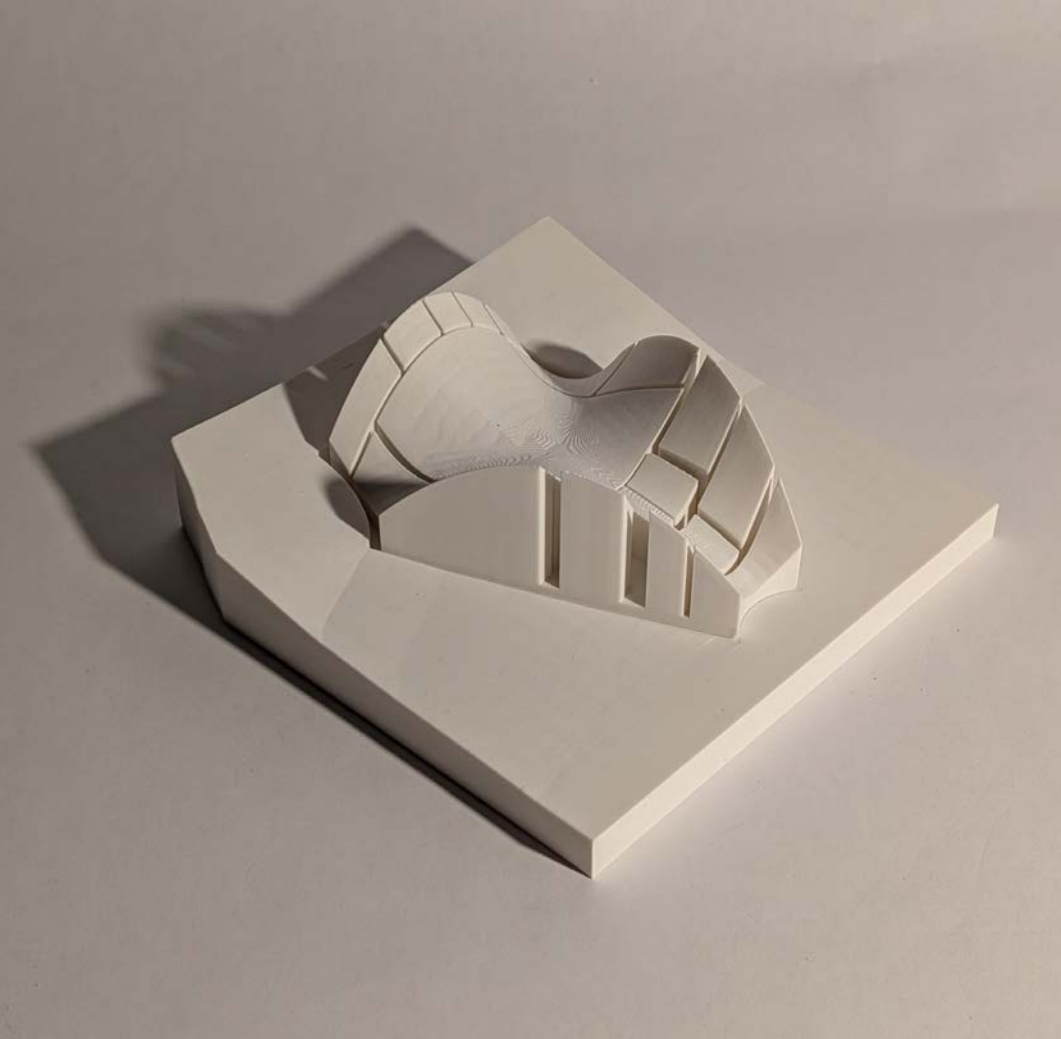
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1 : 400 Section

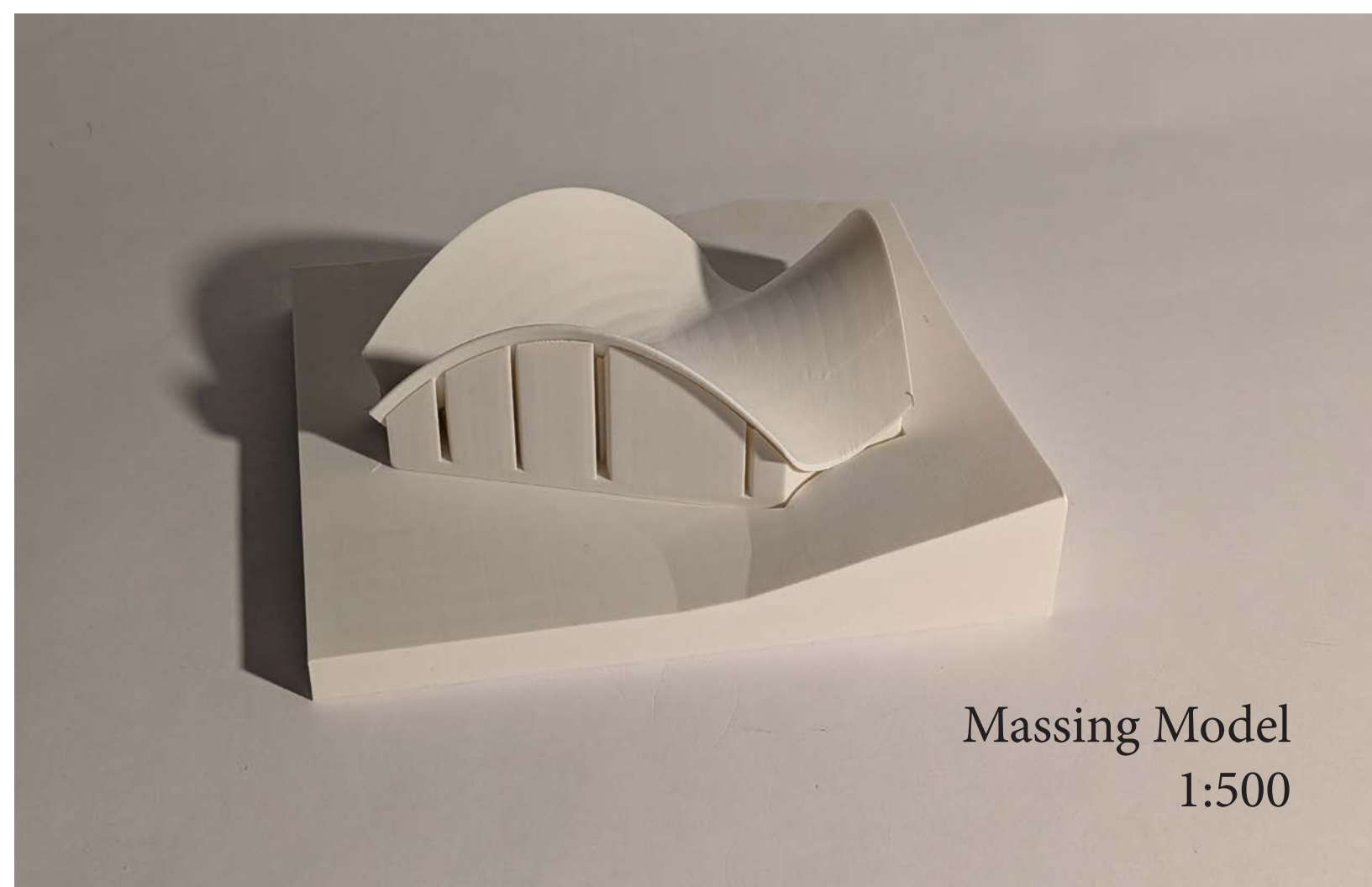
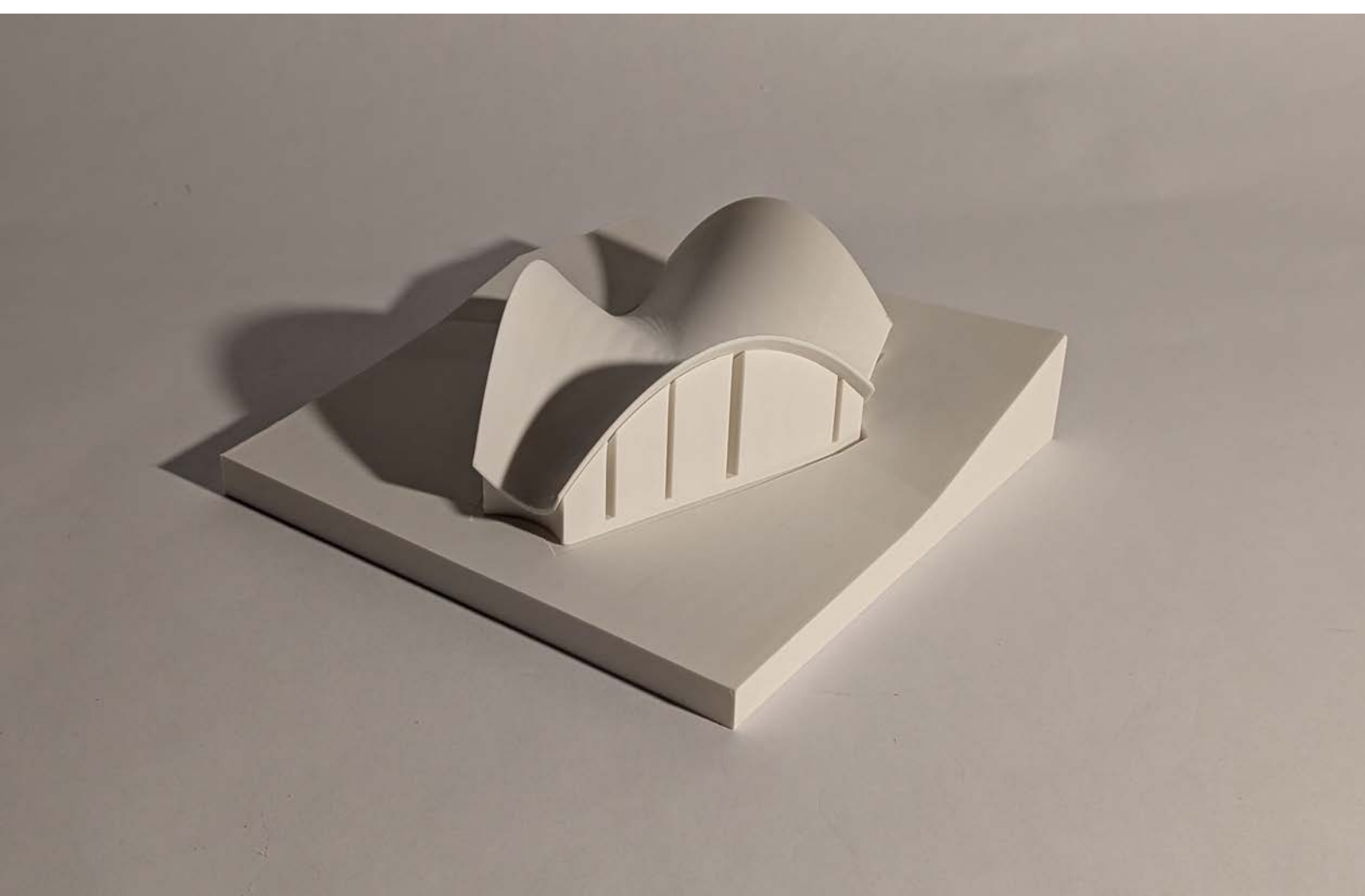
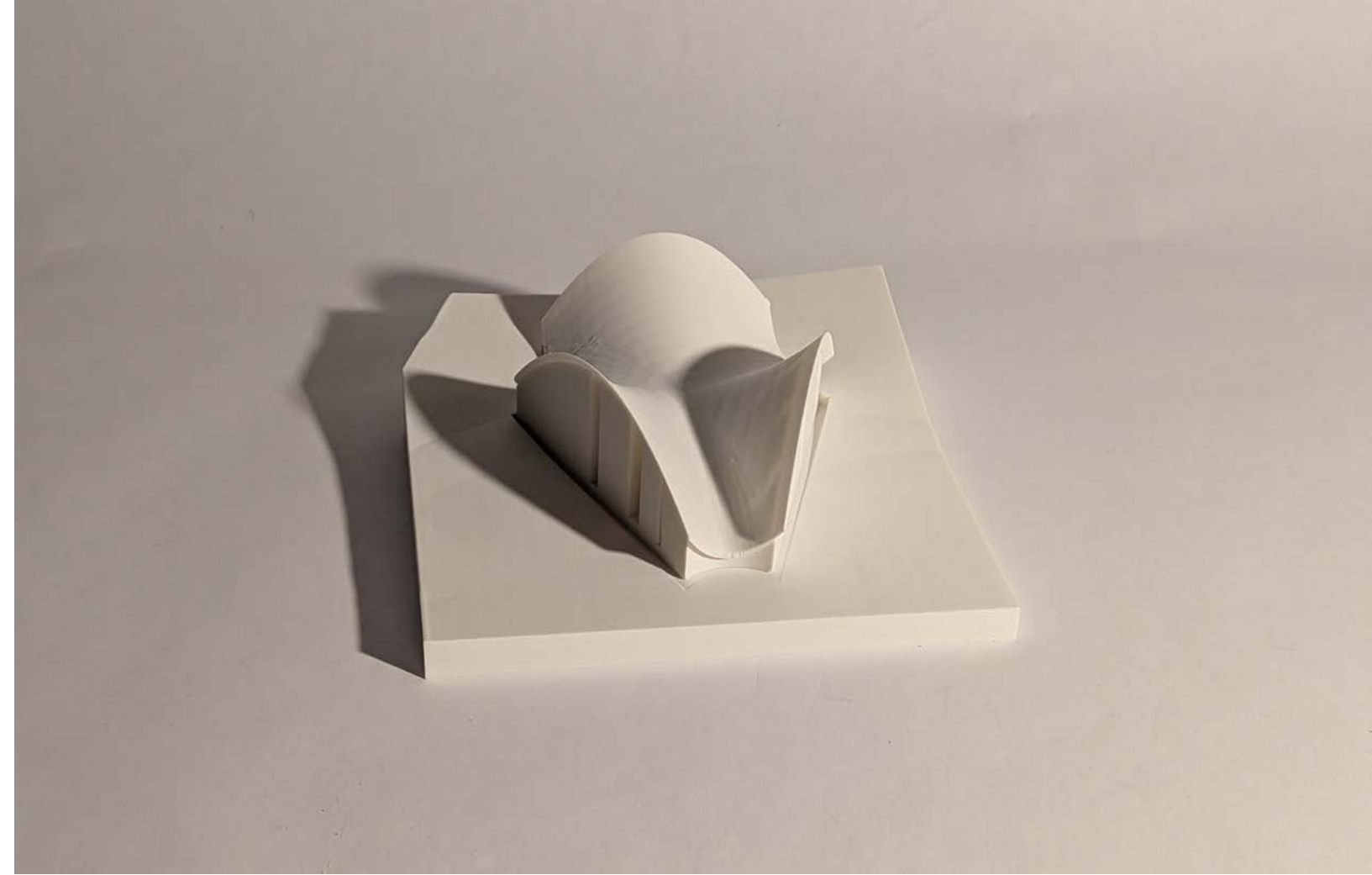
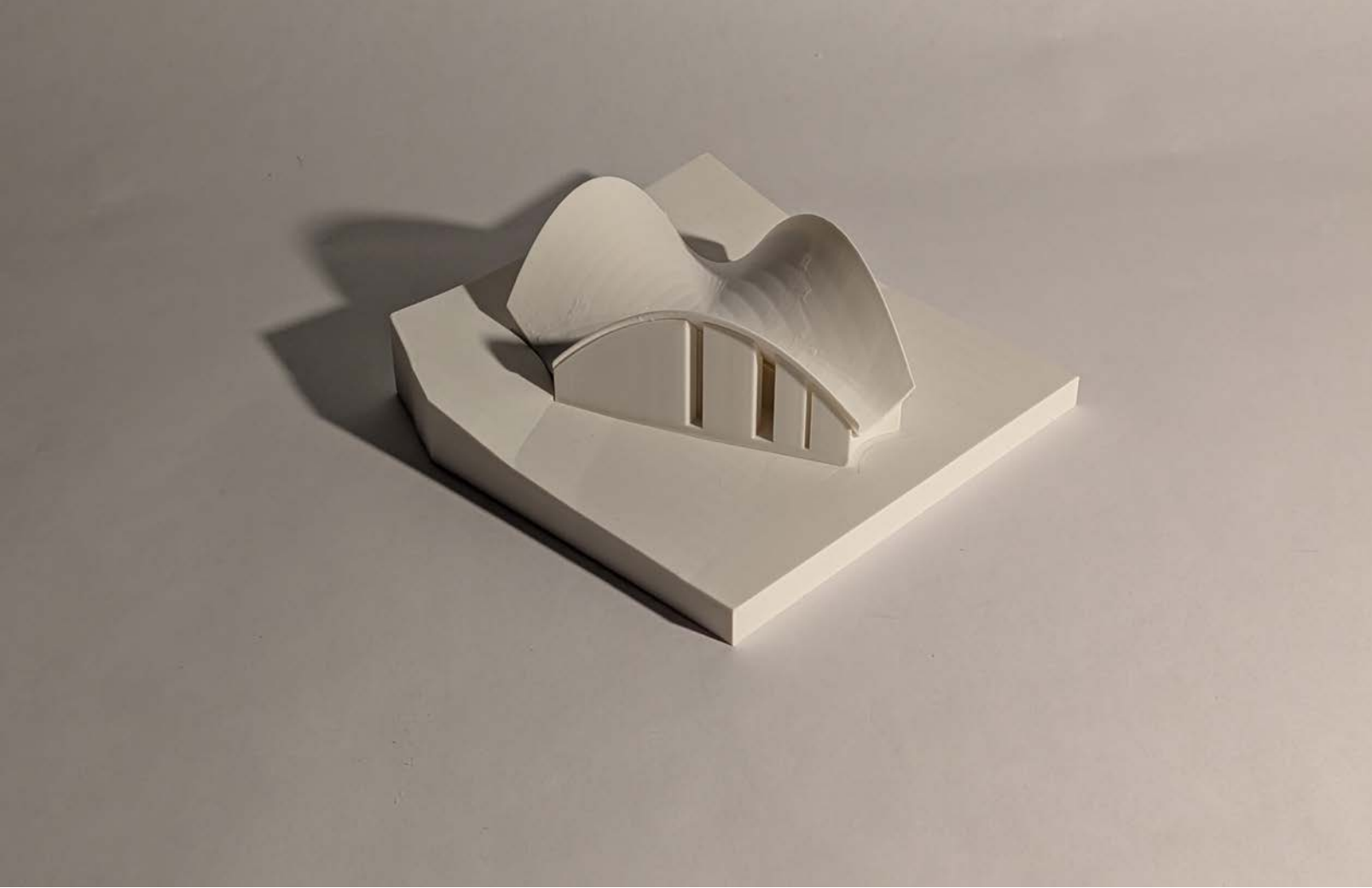


AI concept renders

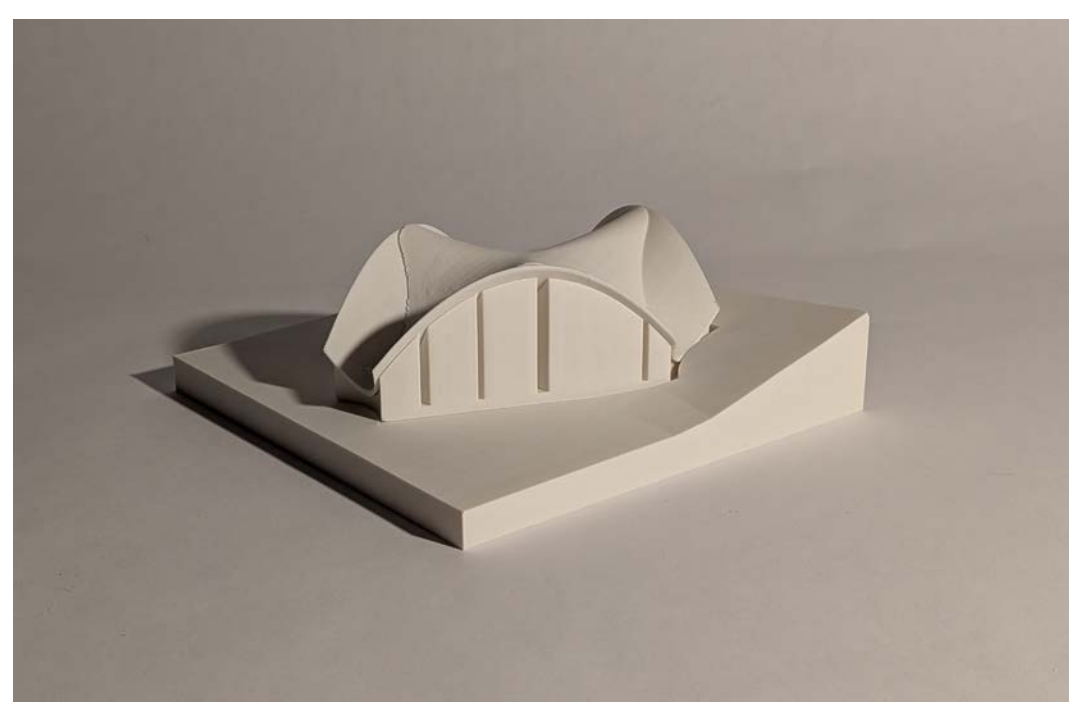
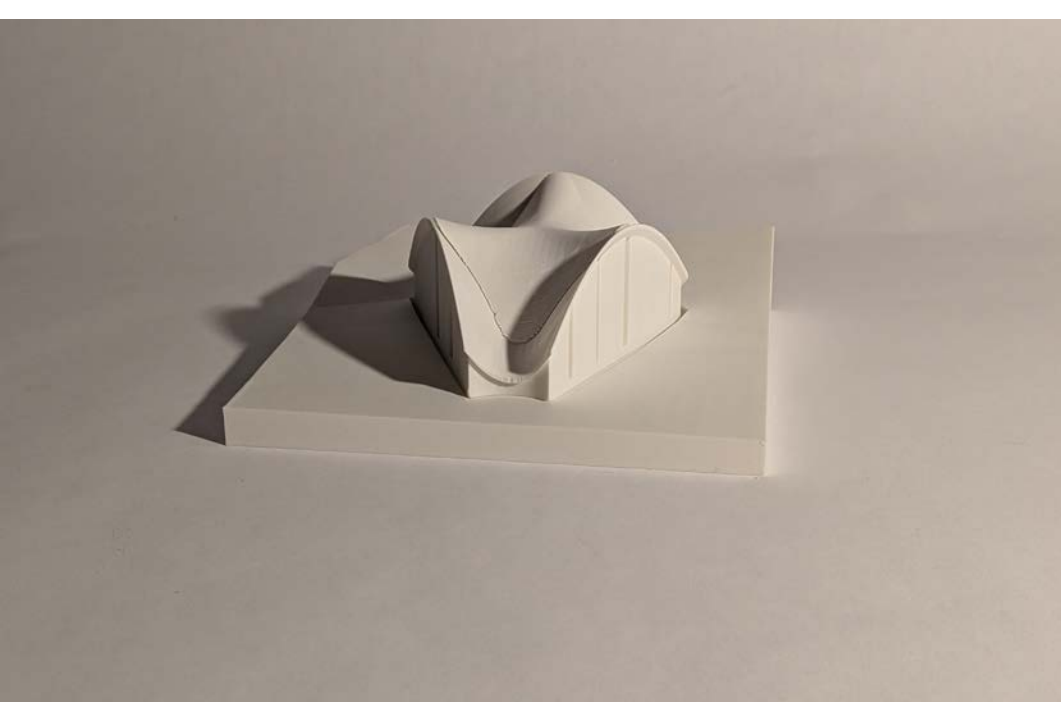
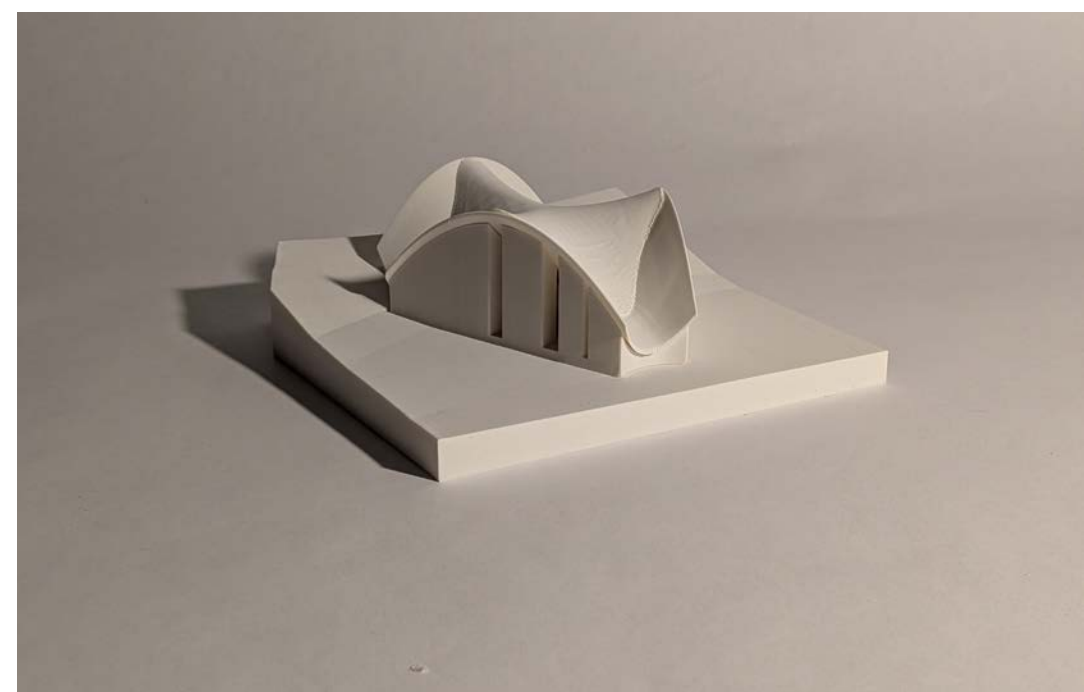
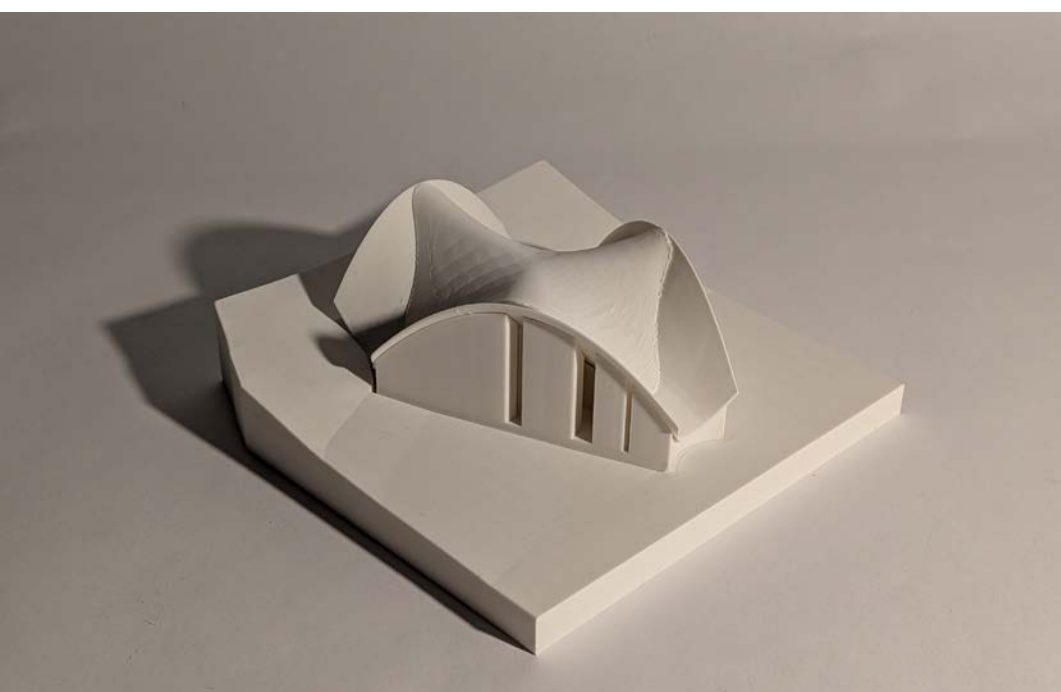
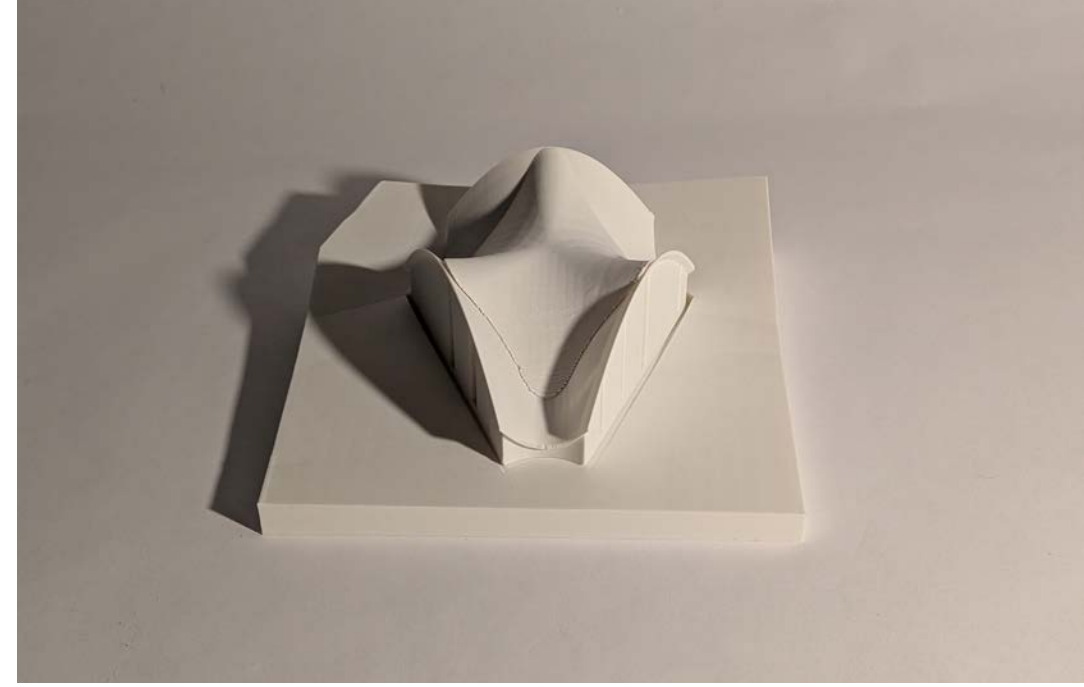
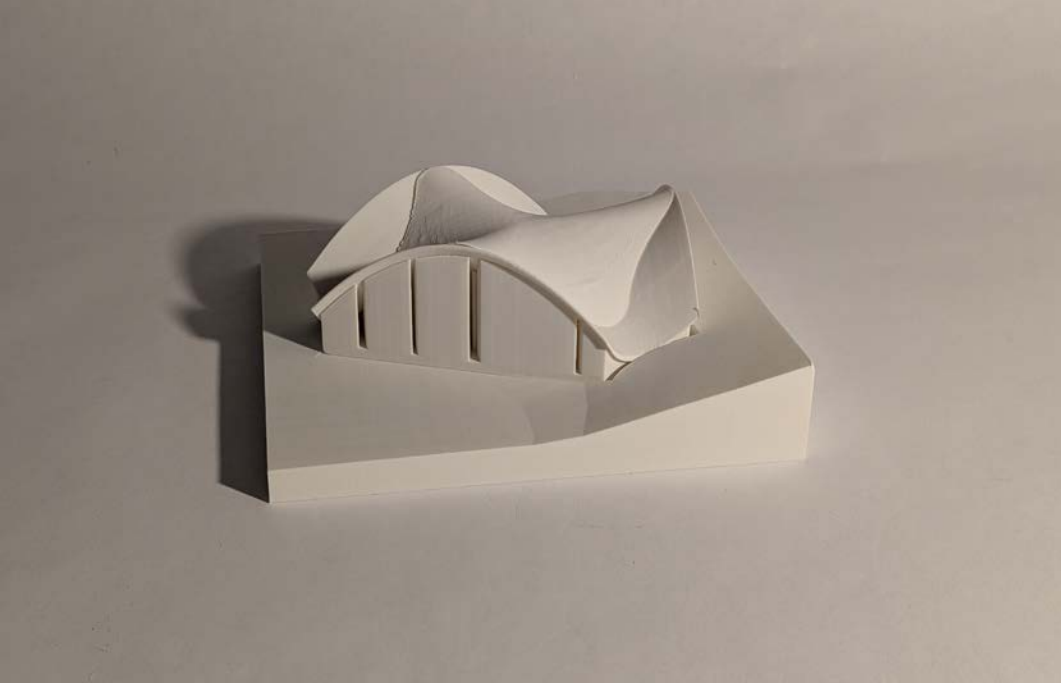




Massing Model
1:500



Massing Model
1:500



Massing Model
1:500



Drop Off Area

Accessible Parking

Parking

Loading Zone

Outdoor Yard

Locker Room #1

Locker Room #2

Multi-purpose #2

Public Washroom

Lobby

Gym Storage #1

Gym Storage #2

Gallery

Cafe

Janitoria

Mechanical + Electrical

Community Gym

Multi-purpose #1

Meeting Room

Office #2

Office #1

Staff Washroom



Drop Off Area

Accessible Parking

Parking

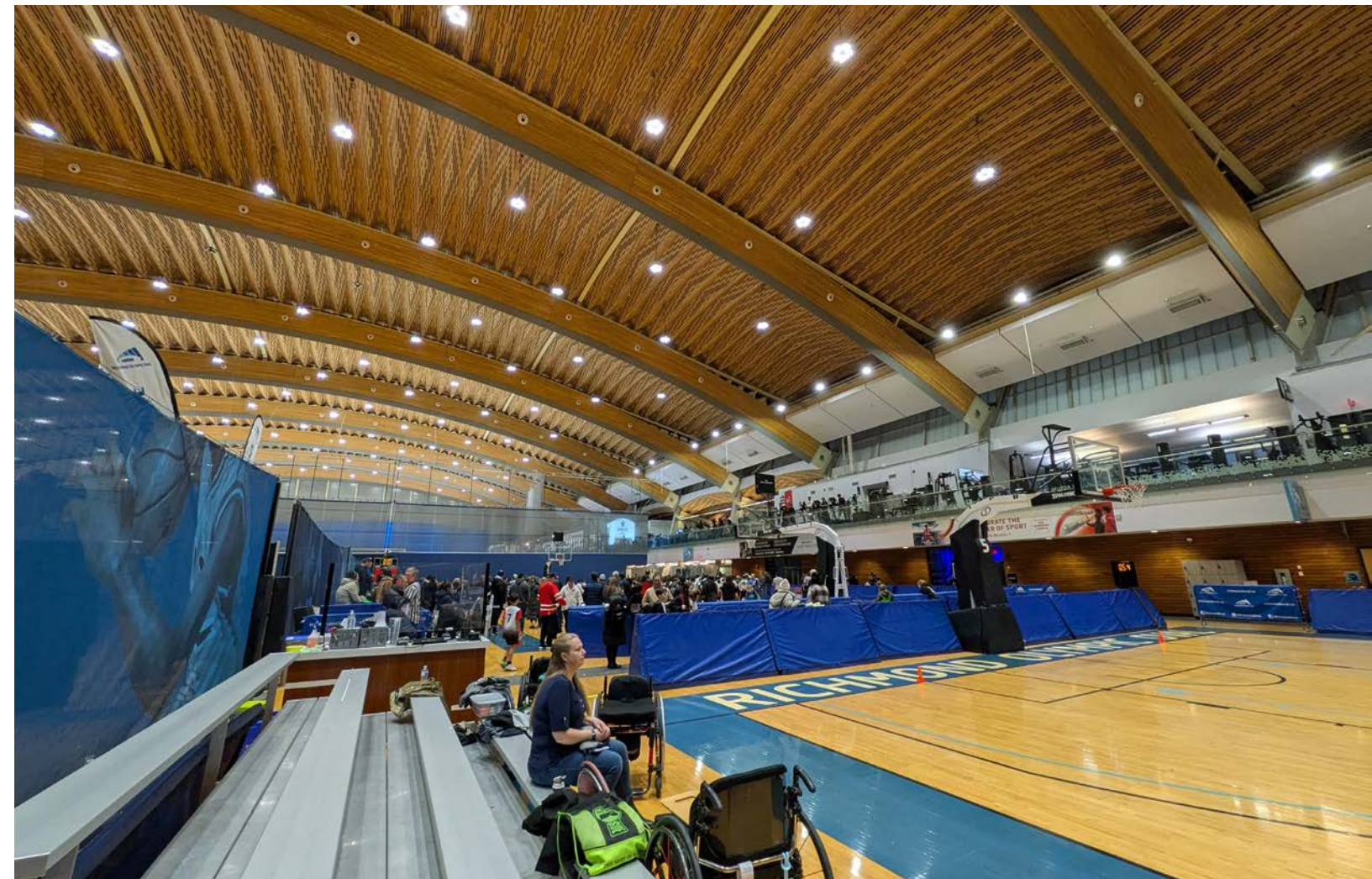
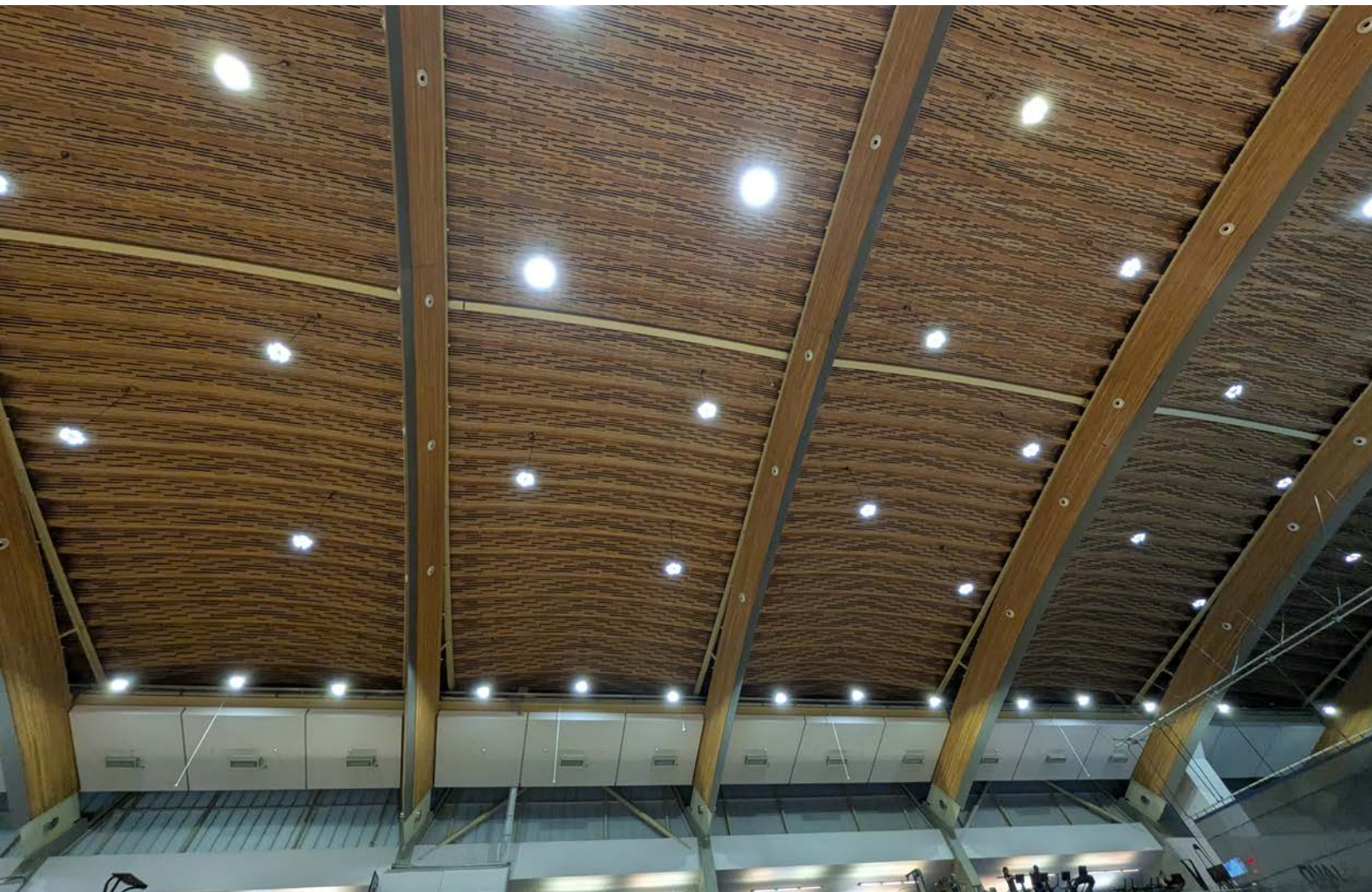
Loading Zone

Outdoor Yard

Physio

Precedents

Precedent - Richmond Olympic oval



Precedent - Zaha Hadid's Heydar Aliyev Center

