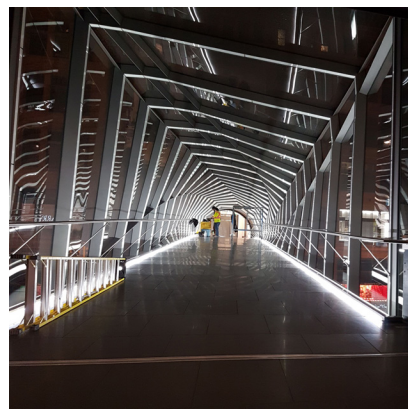
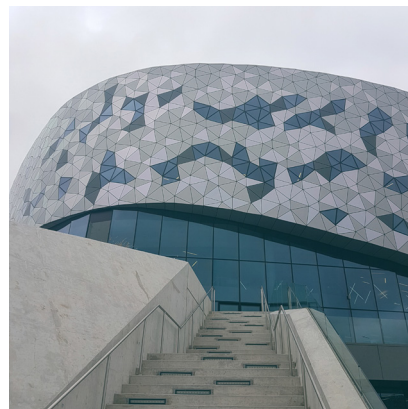


joshua c.
Estrella

PORTFOLIO



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01 Tying The Region Together	6
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Hi there,

My name is Joshua Estrella. I am an aspiring urban planner and graduate from the University of Toronto. I'll go down as the next Georges-Eugène Haussmann, Jan Gehl, or Janette Sadik-Khan. Here is a small collection of work I've put together for you.

Here are some fun facts about myself:

- I've gone camping with the King of Sweden
- I'm an avid player of City Skylines and Sid Meier's Civilization V
- I once had a viral post on Tumblr made of poorly photoshopped cartoon characters

Yours,



Joshua C. Estrella

joshua c.
Estrella

Joshua C. Estrella
joshua.c.estrella@gmail.com
647.975.5674
Instagram | Facebook | LinkedIn
@joshcestrella
joshuaestrella.com

SKILLS + CERTIFICATIONS

- Rhino3D, AutoCAD, Google SketchUp, Revit, Adobe Suite (Photoshop, Illustrator, Indesign), Microsoft Office
- Fluent in English, French, and Filipino with basic command in German and Spanish
- Project Management Institute's (PMI) Certified Associate in Project Management

WORK EXPERIENCE

Social Media Assistant for the UTSC Academic Advising and Career Centre (AACC)

May 2017 - Present

- Organized and executed media campaigns promoting AACC services, reaching a high of 5,000 students
- Created graphics and communicated regular messages via social media (Facebook, Twitter, and Instagram)

Social Media and Outreach Director for the Architecture and Visual Studies Student Union (AVSSU)

September 2016 - April 2017

- Promoted AVSSU initiatives and events in person and online (Facebook, Twitter, Instagram, Flickr, and LinkedIn)
- Managed AVSSU social media accounts and website, growing the audience to include 1,000 students

VOLUNTEER + EXTRACURRICULAR ROLES

Scouts Canada

September 2012 - Present

- Served as National Youth Spokesperson, Group Youth Commissioner and Company President
- Communicated key organizational messages via television, radio, newspaper and social media
- Promoted and supported meaningful youth involvement for 80+ Scouts within the local group
- Managed the Canadian Contingent Facebook page at the 2016 Finnish Jamboree
- Represented Canada at several international jamborees (USA, Sweden, Japan and Finland)

Student Alumni Ambassador Program

September 2014 - May 2017

- Acted as liaison between the student body and alumni at alumni events
- Organized alumni outreach events and promoted alumni benefits especially to young alumni

Daniels Mentorship Program

September 2016 - May 2018

- Mentored a small group of first and second-year students throughout the academic year

Canada 150 Student Fund Sub-Committee

January 2016 - December 2016

- Reviewed and approved funding applications for Canada 150 celebrations by student associations

EDUCATION

The University of Toronto, Toronto, Ontario

September 2014 - June 2018

- Honours Bachelor of Arts, Double Major in **Architectural Studies** and **Urban Studies**; French Citation

The Chang School, Ryerson University, Toronto, Ontario

Summer 2015

- Received the Professional Development Award in Project Management
- Took courses in project management fundamentals, project leadership, and cost and procurement

Humboldt-Institut, Argenbühl, Baden-Württemberg, Germany

Summer 2013

- Intensivkurs für Deutsch als Fremdsprache, German language camp

Collèges les Clauzades, Lavour, Tarn, Midi Pyrénées, France

September 2010 - June 2011

- Lived with a French family and attended a local school for Grade 9

AWARDS + ACHIEVEMENTS

- Medal of Maple, Chief Scout's Award, Queen's Venturer Award, Certificate of Commendation
- Duke of Edinburgh Award Silver

01 TYING THE REGION TOGETHER

TYPE: PUBLIC TRANSIT MAP
LOCATION: SOUTHERN ONTARIO
COURSE: N/A - PERSONAL PROJECT
DATE: APRIL 2016
INSTRUCTOR: N/A - PERSONAL PROJECT



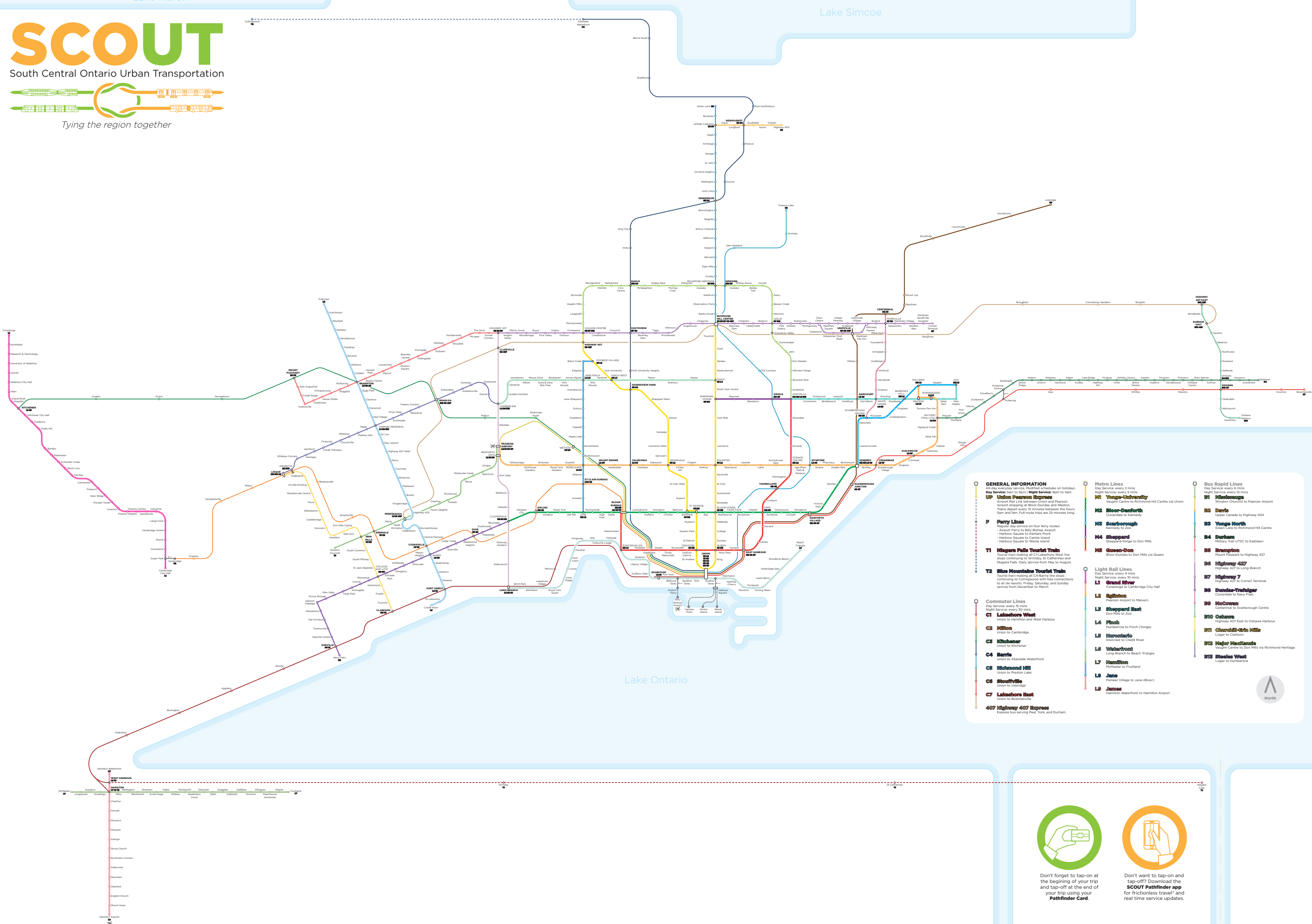
Imagining different transit situations based on the hypothetical completion of dream projects is a common pastime among Torontonians. Among TTC riders and urban planners (both current and future) this is especially true. One such future promoted by Metrolinx, the transit planner for the Greater Toronto and Hamilton Area, is the Big Move. I created this map to reflect the what a realized Big Move would look like. With some personal modifications, urban geographies and original route alignments were maintained. Each transit line whether using bus rapid transit, light rail, or conventional subways was given a unique single alphanumeric character identifier: A for Airport, 1 for TTC Line 1, H for Hurontario, etc. GO Train commuter lines maintain their colours and interchanges with more than three connecting services have information boxes.

SCOUT

South Central Ontario Urban Transportation



Tying the region together



GENERAL INFORMATION
 All-day every-day service. Modified schedules on holidays.
Day Service: 6am to 6pm | **Night Service:** 11pm to 5am

UP Union Pearson Express
 Airport Rail Link between Union and Pearson Airport
 Airport stopping at Bloor-Dundas and Weston. Trains depart every 15 minutes between the hours 6am and 1am. Full route trips are 25 minutes long.

F Ferry Lines
 Regular day service on four ferry routes:
 - Airport Ferry to Billy Bishop Airport
 - Harbour Square to Harbour Point
 - Harbour Square to Centre Island
 - Harbour Square to Ward's Island

T1 Niagara Falls Tourist Train
 Tourist train making all C4 Lakeshore West line stops continuing to Grimsby, St. Catharines and Niagara Falls. Daily service from May to August.

T2 Blue Mountains Tourist Train
 Tourist train making all C4 Barrie line stops continuing to Collingwood with free connections to all ski resorts. Friday, Saturday, and Sunday service from December to March.

Commuter Lines
 Day Service: every 15 mins
 Night Service: every 30 mins

C1 Lakeshore West
 Union to Hamilton and West Harbour

C2 Milton
 Union to Cambridge

C3 Kitchener
 Union to Kitchener

C4 Barrie
 Union to Allandale Waterfront

C5 Richmond Hill
 Union to Prentiss Lake

C6 Stouffville
 Union to Markham

C7 Lakeshore East
 Union to Bowmanville

407 Highway 407 Express
 Express bus serving Peel, York, and Durham

Metro Lines
 Day Service: every 2 mins
 Night Service: every 5 mins

M1 Yonge-University
 Union Centre to Richmond Hill Centre via Union

M2 Bloor-Danforth
 Cloverdale to Kennedy

M3 Scarborough
 Kennedy to Zoo

M4 Sheppard
 Sheppard-Yonge to Don Mills

M5 Green-Dan
 Bloor-Dundas to Don Mills via Queen

Light Rail Lines
 Day Service: every 4 mins
 Night Service: every 10 mins

L1 Grand River
 Cambridge to Cambridge City Hall

L2 Kitchener
 Pearson Airport to Malvern

L3 Sheppard East
 Highway 407 to Long Branch

L4 Finch
 Hurontario to Finch (Yonge)

L5 Hurontario
 Hurontario to Credit River

L6 Woodhurst
 Long Branch to Beach Triangle

L7 Hamilton
 McMaster to Fruitland

L8 Jane
 Pioneer Village to Jane (Bloor)

L9 James
 Hamilton Waterfront to Hamilton Airport

Bus Rapid Lines
 Day Service: every 6 mins
 Night Service: every 15 mins

B1 Mississauga
 Winston Churchill to Pearson Airport

B2 Dufferin
 Upper Canada to Highway 404

B3 Yonge North
 Union Centre to Richmond Hill Centre

B4 Durham
 Military Trail-UTSC to Eastwan

B5 Brampton
 Mount Pleasant to Highway 427

B6 Highway 427
 Highway 427 to Long Branch

B7 Highway 7
 Highway 427 to Cornell Terminal

B8 Dundas-Tridel
 Cloverdale to Navy Pier

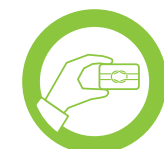
B9 McCowan
 Centennial to Scarborough Centre

B10 Oshawa
 Highway 407 East to Oshawa Harbour

B11 Churchill-Brn Mills
 Logor to Caledonia

B12 Major Mackenzie
 Vaughan Centre to Don Mills via Richmond Heritage

B13 Steeles West
 Logor to Hurontario



Don't forget to tap-on at the beginning of your trip and tap-off at the end of your trip using your Pathfinder Card.



Don't want to tap-on and tap-off? Download the SCOUT Pathfinder app for frictionless travel* and real time service updates.

02 CLASSIFIED MOUNTAIN FACILITY

TYPE: IMAGINED RENDERING
LOCATION: CANADIAN ROCKIES
COURSE: REPRESENTATION II
DATE: FALL 2016
INSTRUCTOR: FIONA LIM TUNG



In this project, I took a base image, one of the Meiso no Mori Municipal Funeral Hall in Japan, and sought to transform its setting and atmosphere even to imply a new program through these transformations.

I began by freezing the body of water and replacing the background with mountains. Snow was added and I toned the building to match. I added Elsa, Anna and Olaf from Frozen as a playful gesture to what the scene that I created.

In a further iteration, I removed all but the more forward mountains and replaced the sky with the northern lights. Adjusting the lighting of the image was my favourite part especially of the aurora borealis against the mountains and the building lights against the pond.

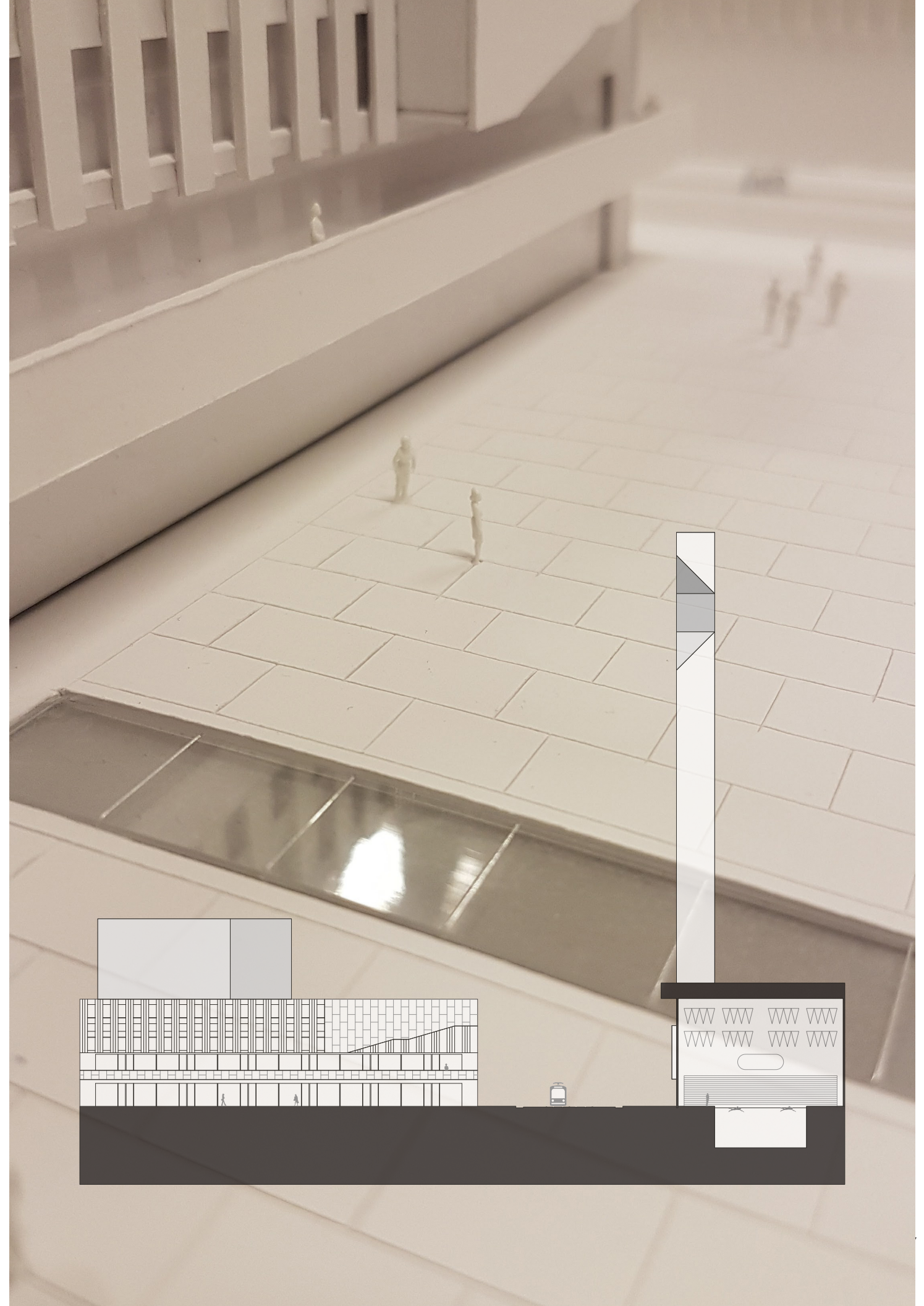
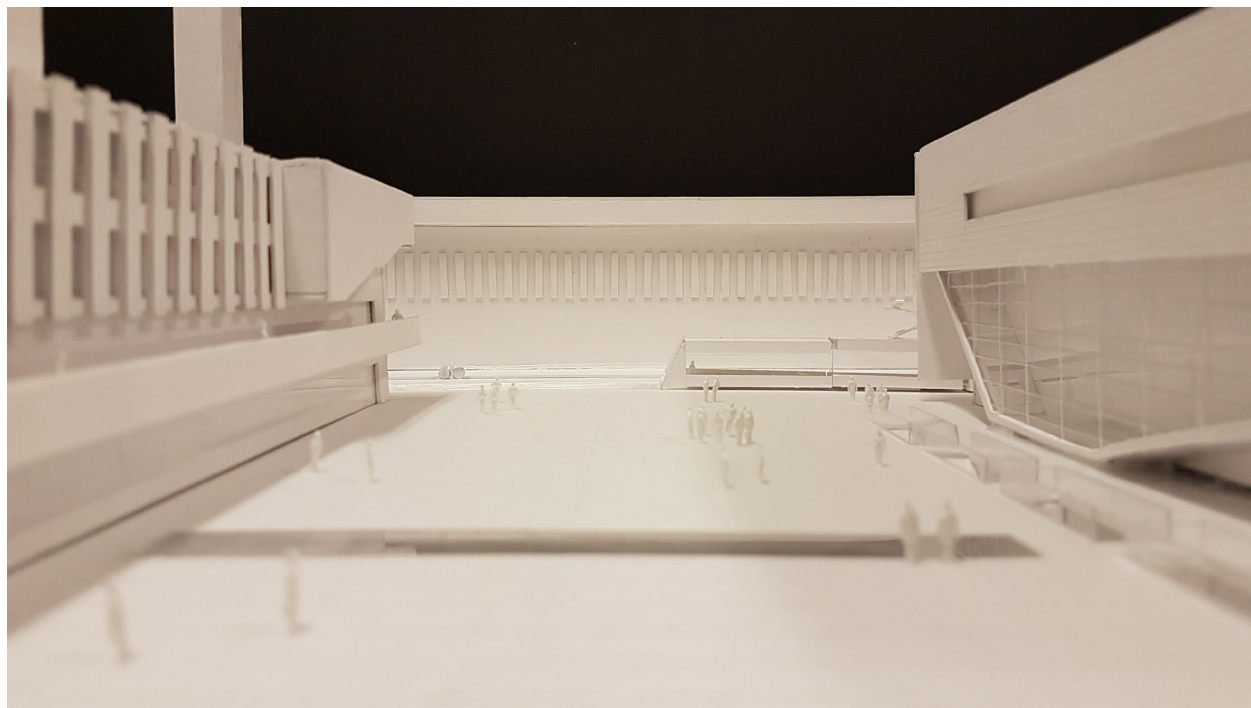
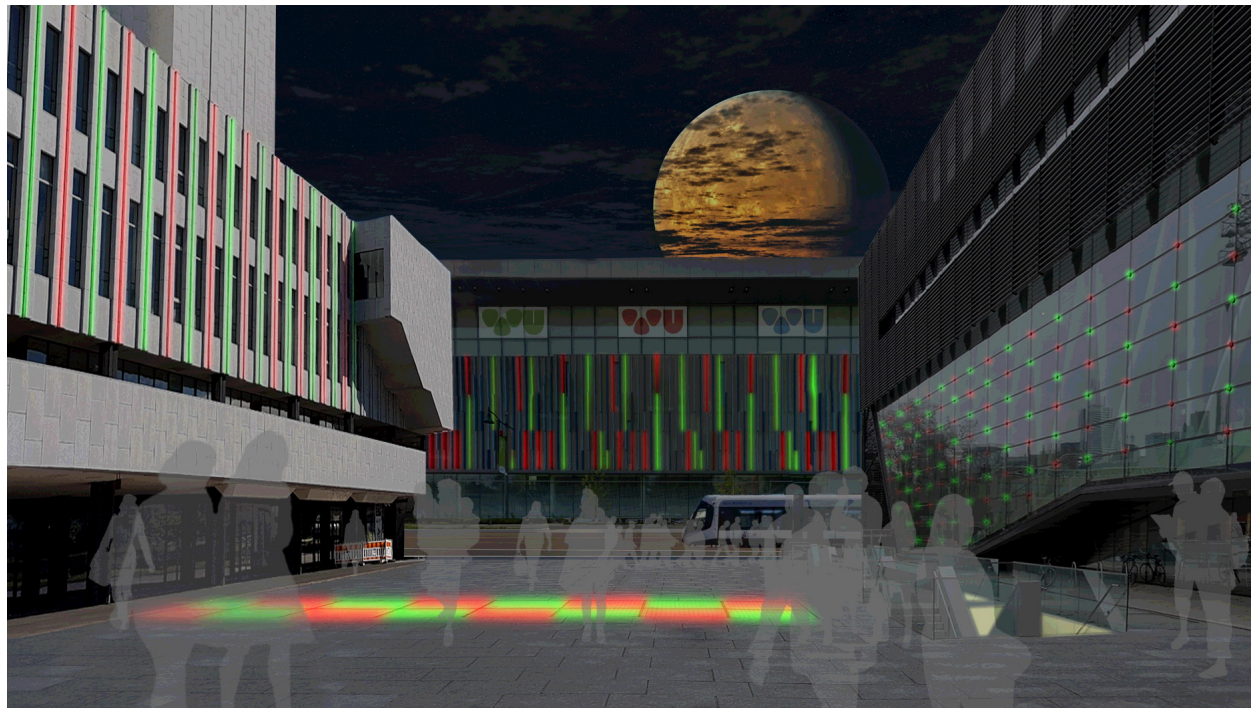


03 COMMUTER SQUARE

TYPE: CIVIC SPACE - MODEL + RENDERING
LOCATION: ABSOLUTELY ANYWHERE
COURSE: REPRESENTATION II
DATE: FALL 2016
INSTRUCTOR: FIONA LIM TUNG



How often do we stop and think about the public spaces we use? How often do we truly make use of these spaces as individuals? We remark at well known squares like Times Square, Trafalgar Square, and even squares in Toronto like Nathan Philips and Yonge Dundas Square. But what about the less known, the ones people pass through only for the sake of passing through them. I've created such a square. Non-descript in the most general and generic of ways it shouldn't even have a name. A tram/streetcar line courses in front of it but this could lend itself to being anywhere: Toronto, Philadelphia, Portland, Melbourne, or any number European towns and cities. Equally non-descript buildings constructed in styles implemented worldwide provide no aide to anyone trying to locate this square. It is a generic square people may gather but such is rare.

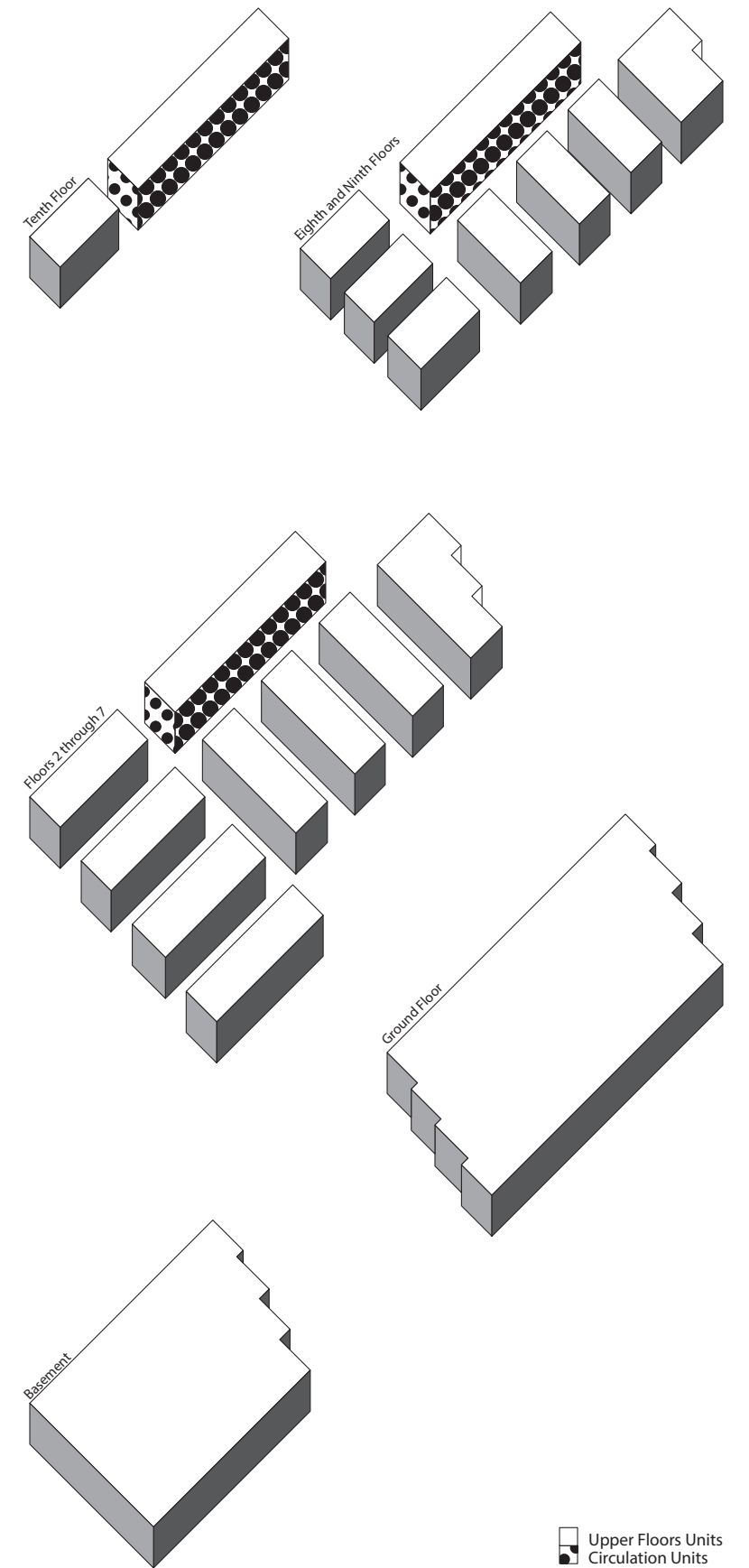
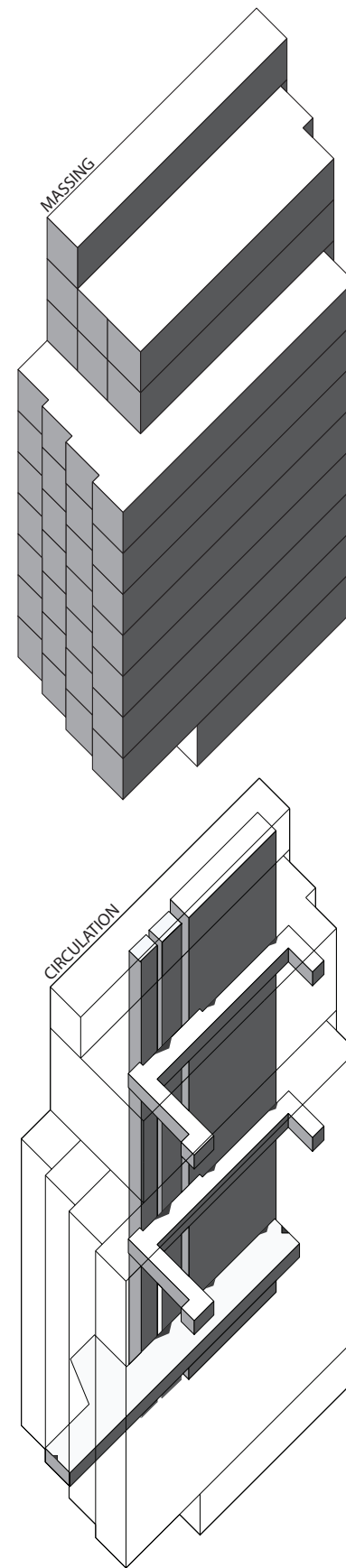
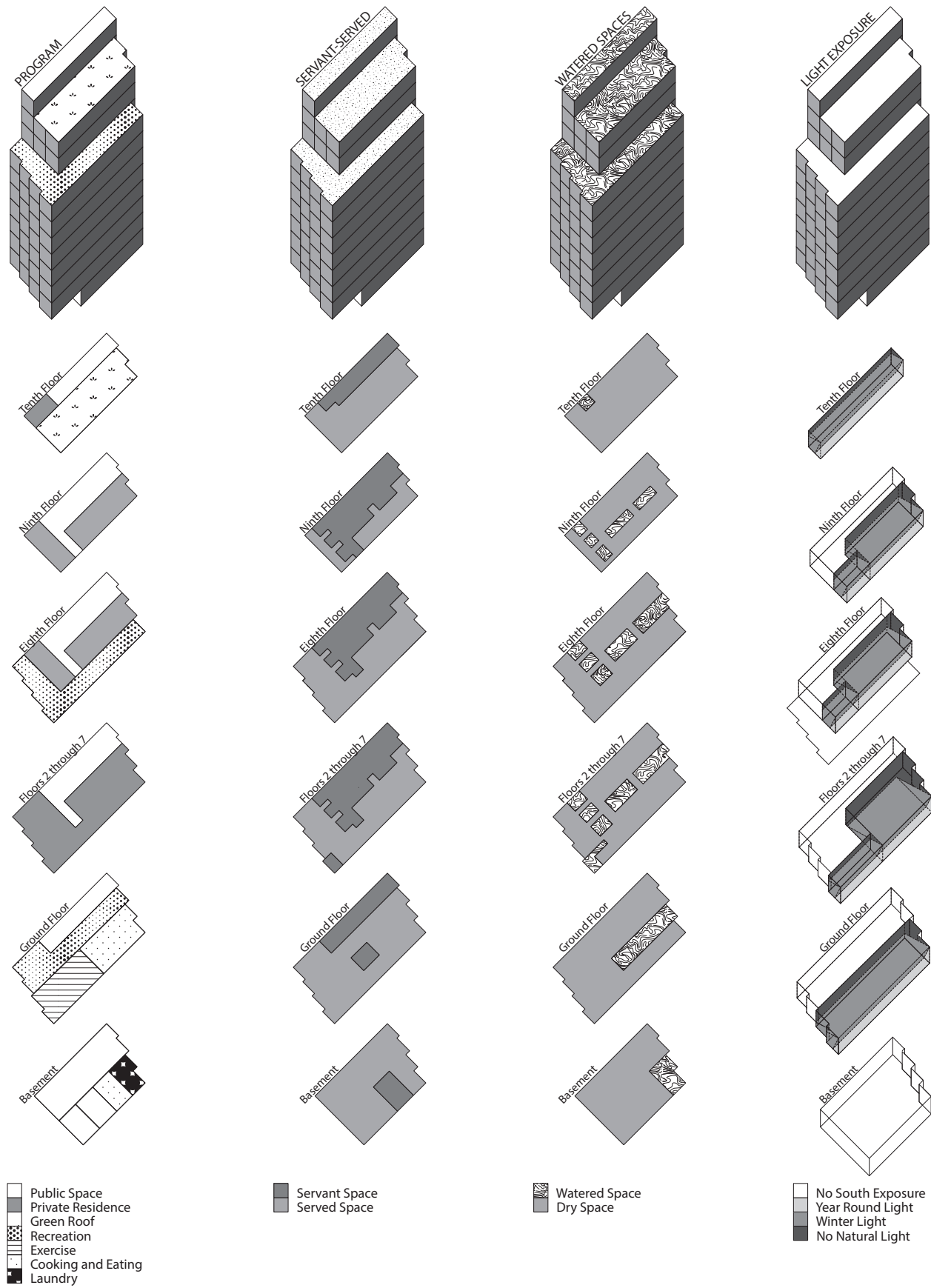


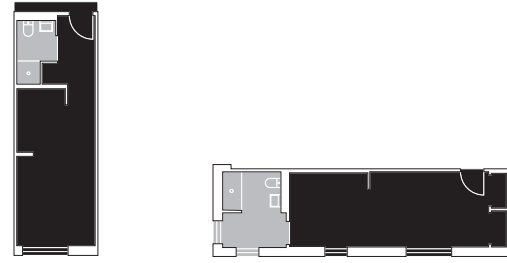
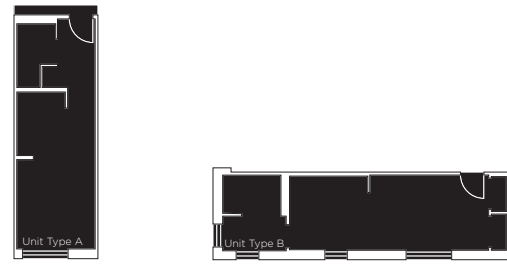


04 ~~BUNKHOUSE~~ BEDSHARE

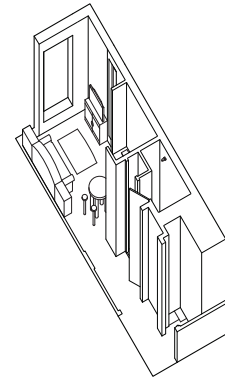
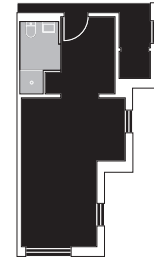
TYPE: CASE STUDY + MODIFICATION PROPOSAL
LOCATION: CARMEL PLACE, NEW YORK, NY, USA
COURSE: DESIGN III-A [GROUP PROJECT WITH SOHA SADEGI]
DATE: WINTER 2017
INSTRUCTOR: JULIAN OCAMPO

Can you take an existing building and take it to its most extreme? In a building where the goal is to create small living spaces, like in Carmel Place formerly known as My Micro NY, can this idea of small living be pushed? We did just that. We spent some time trying to understand the building and the philosophy of Carmel Place. Looking at its modularity and compactly spaced utilities (water, circulation, etc.) we pushed for a bunk house/capsule hotel/barracks style modification of the space. A typical unit in Carmel Place houses one or two people whereas with our extreme modifications such a unit would house seven individuals. Space is almost exclusively given to sleeping or washroom facilities with little regard for privacy as the seven individuals sharing a room only have thin fabric screens to separate them.

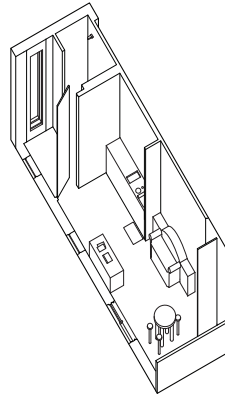
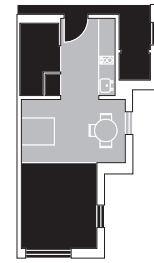




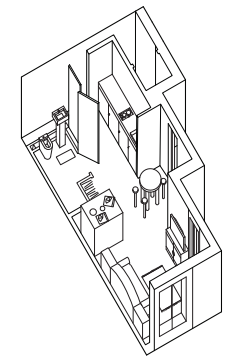
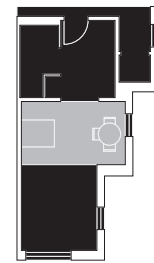
Bathing Spaces 16%|27%|14%



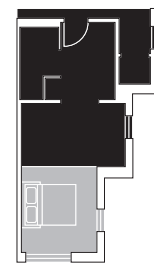
Eating Spaces 28%|43%|51%



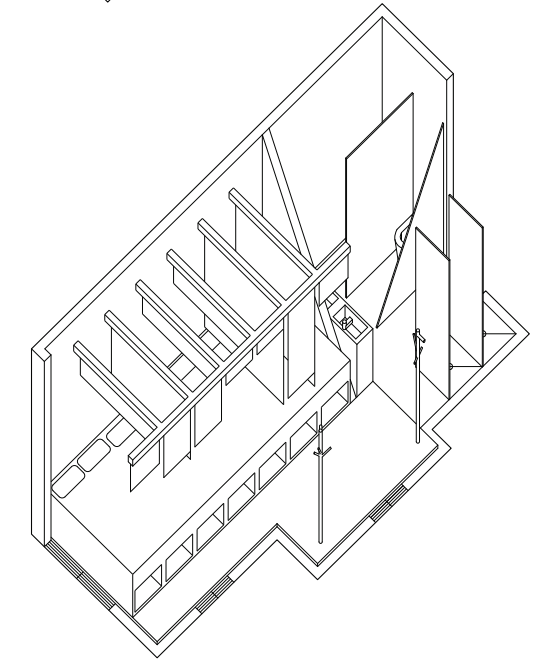
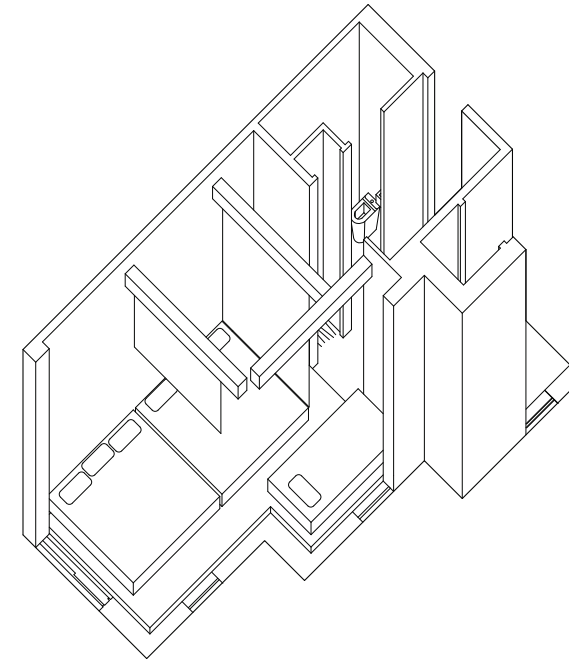
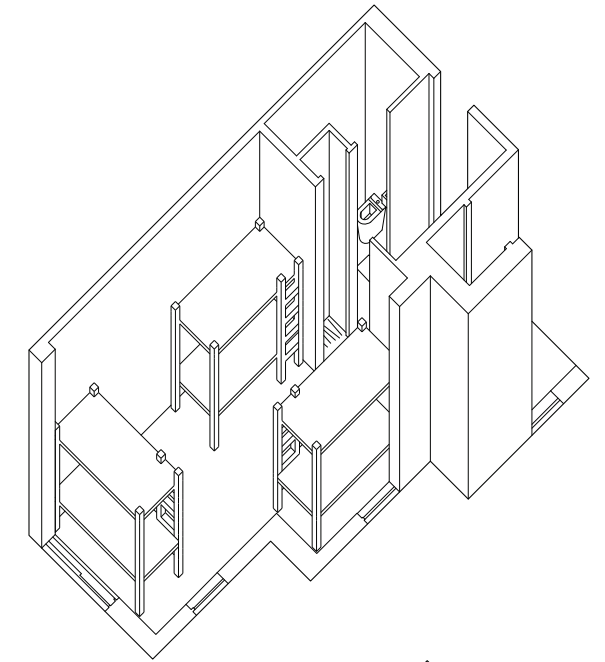
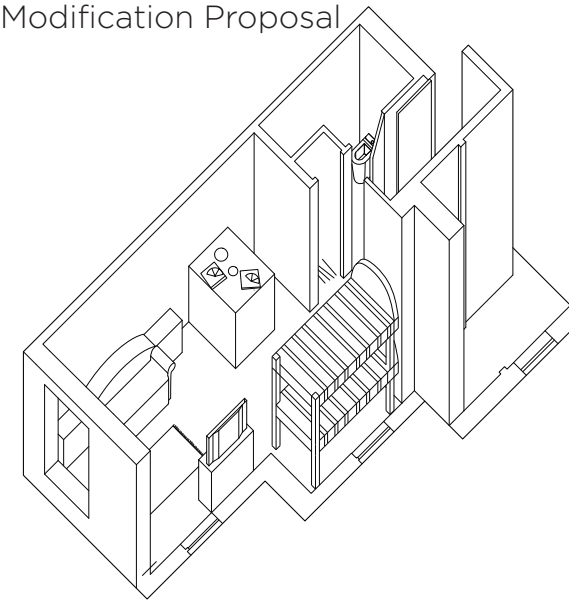
Living Spaces 57%|47%|66%



Sleeping Spaces 42%|24%|36%

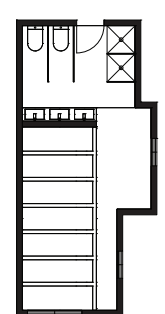
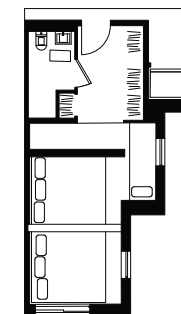
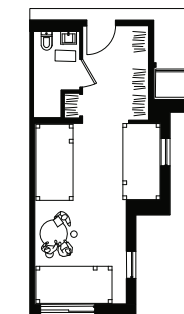
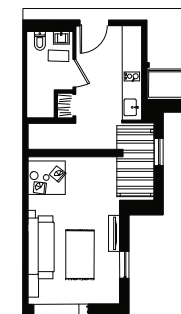


Modification Proposal



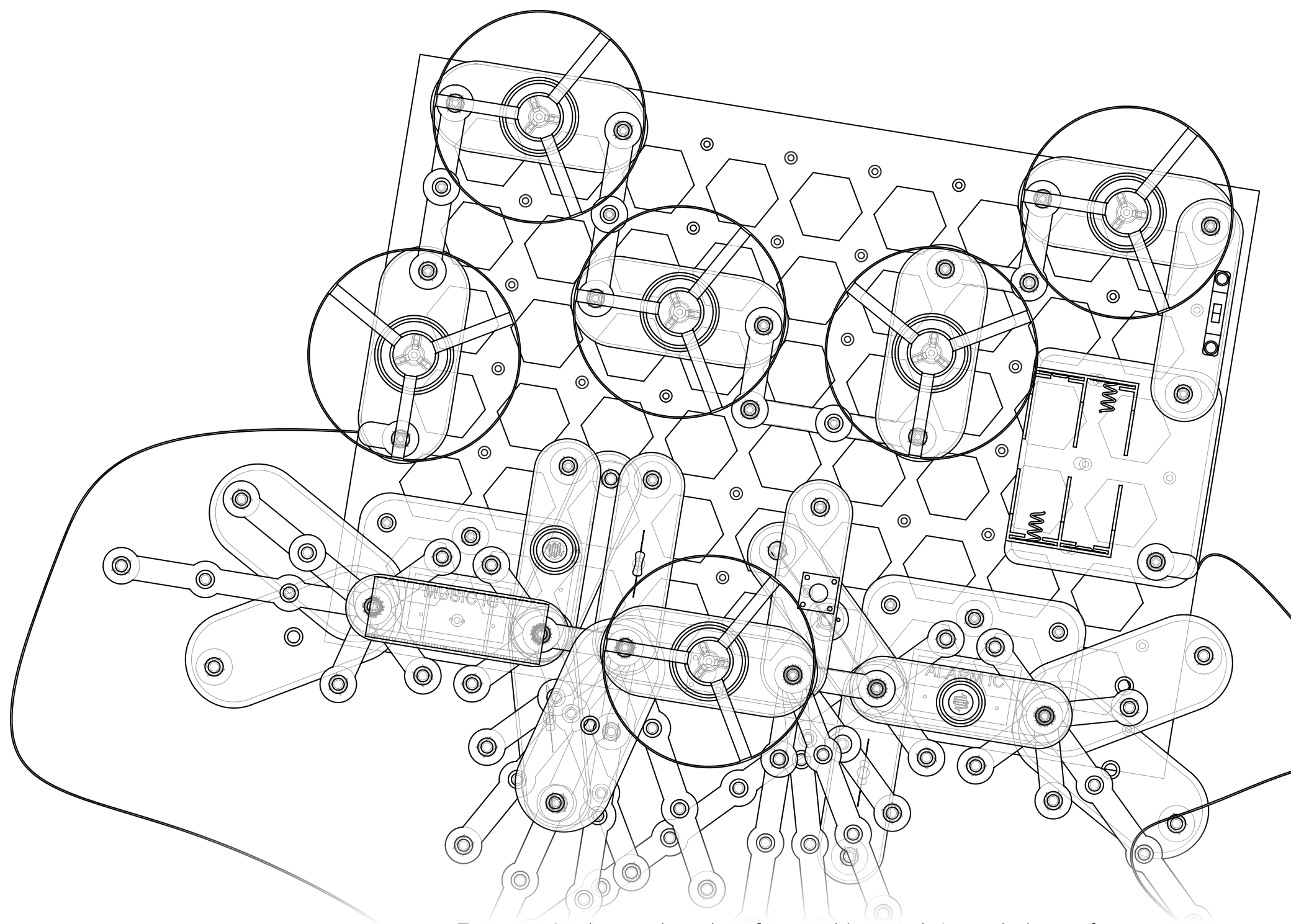
Modification Development Axos

Modification Development Plans



05 TOY ARCHITECTURE

TYPE: TOY ANALYSIS + EXPERIMENTATION
LOCATION: MARS
COURSE: REPRESENTATION I
DATE: FALL 2015
INSTRUCTOR: JONATAHAN ENNS



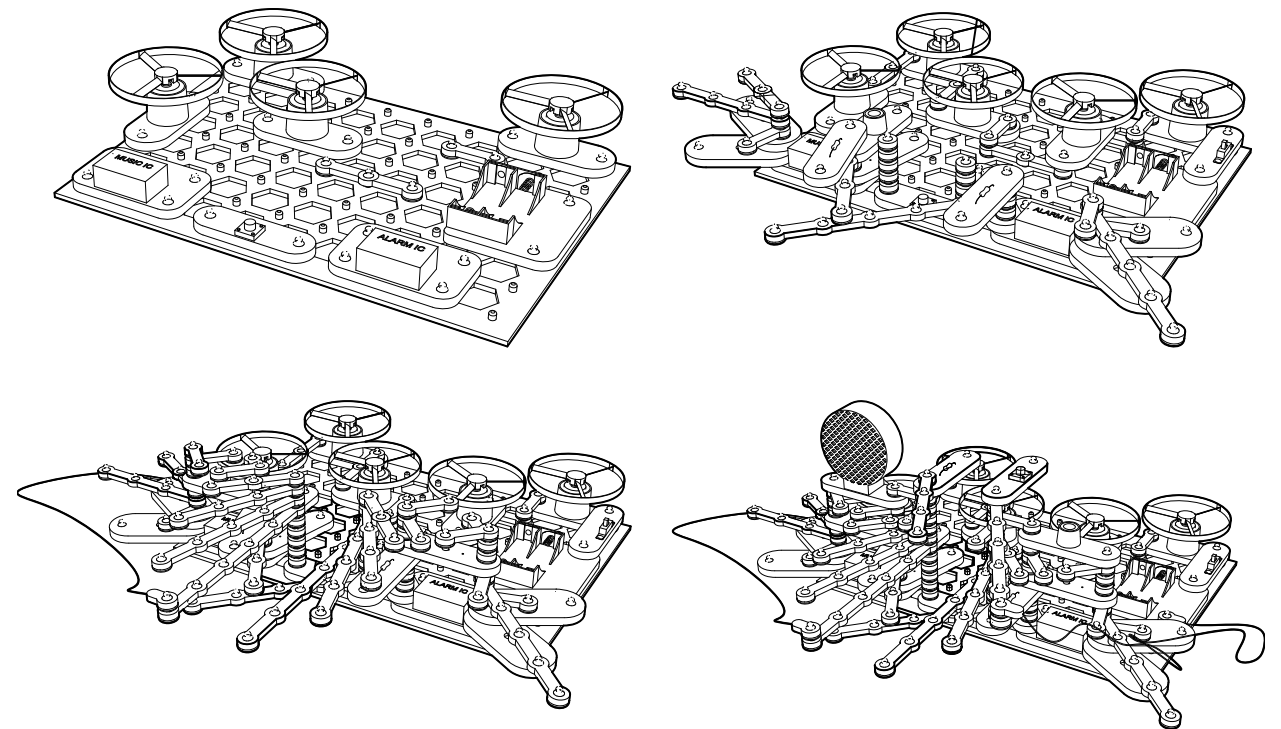
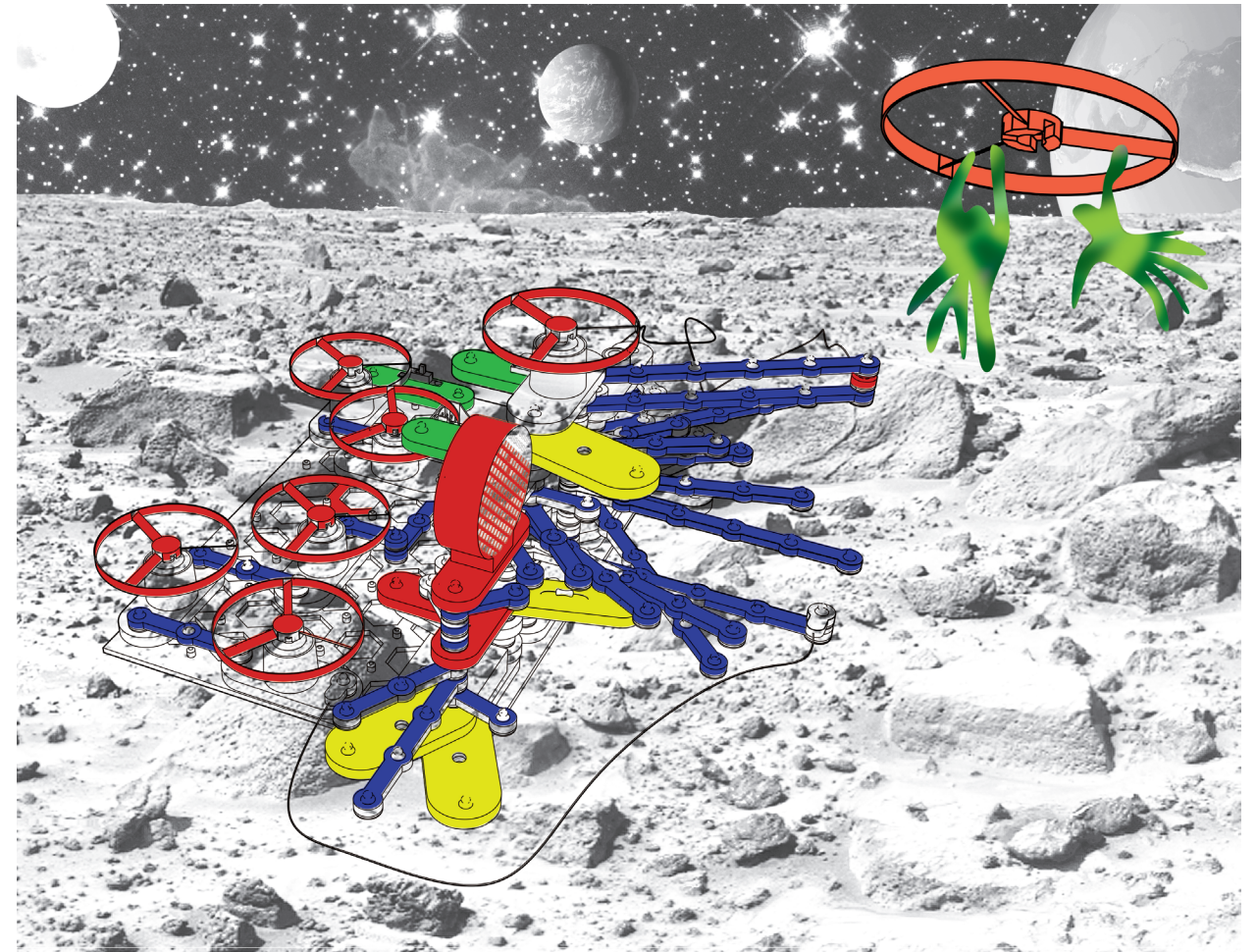
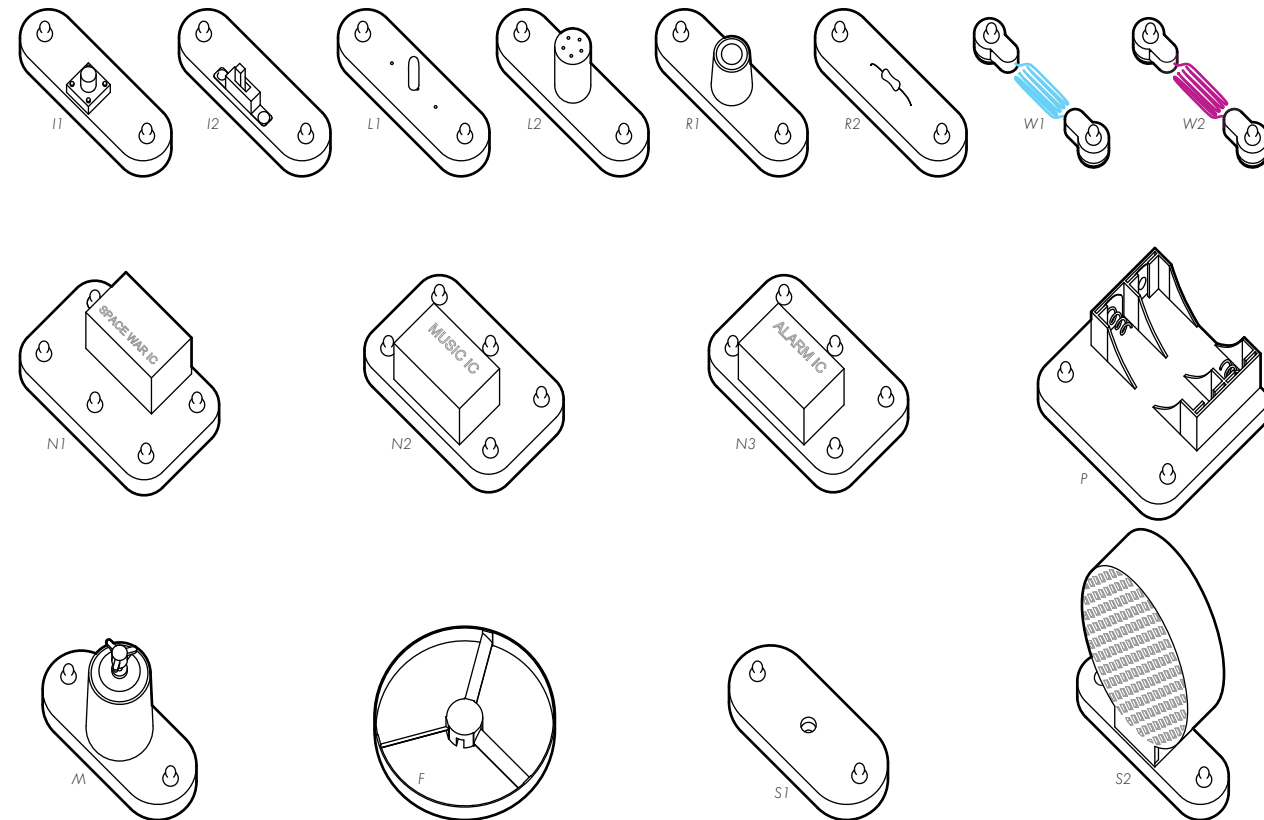
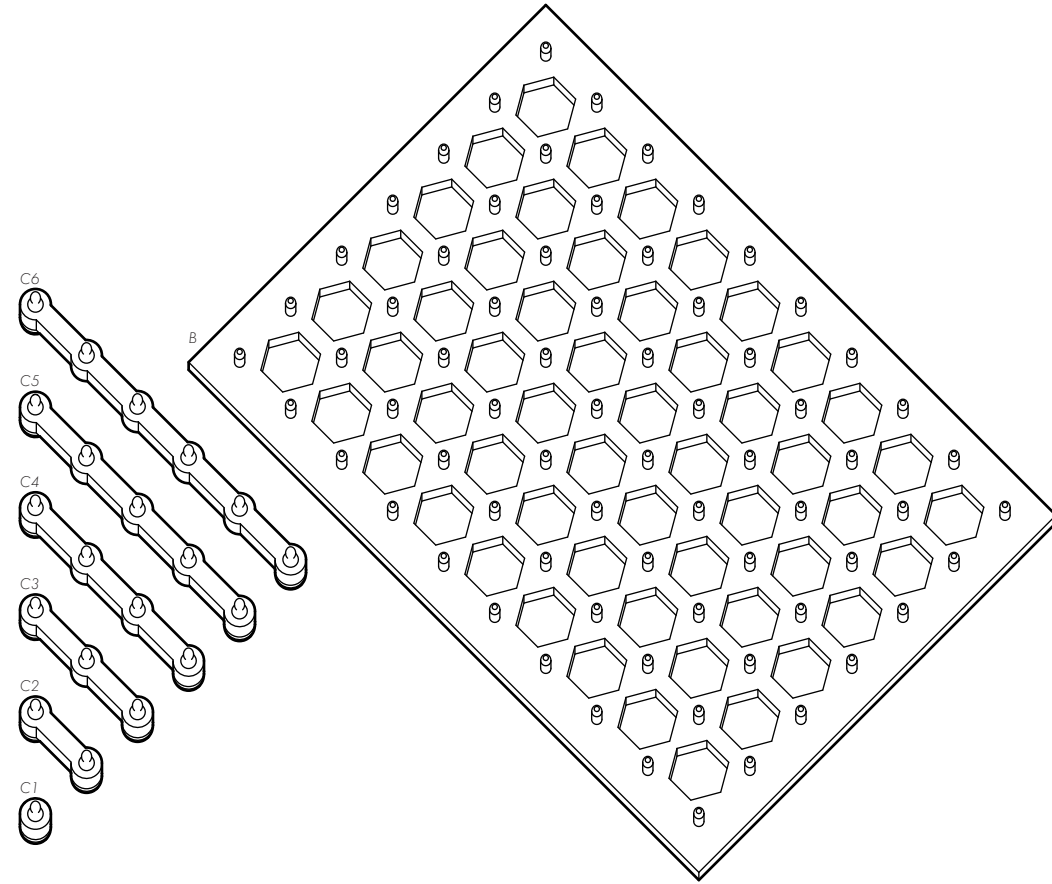
Toys aren't always thought of as architectural, Lego being a frequent exception, but toys that require assembly often need instructions and how the toy and its parts are represented present a playful opportunity to teach and learn conventions regarding drawing and drafting.

Take the toy Snap Circuit; aiming to teach children about electronics and basic electrical concepts a variety of assemblages are possible to achieve different results with lights, motors, and sounds. The accompanying manual however lays out these assemblages only in plan ignoring the three dimensional and stackable qualities of their toy.

Completely ignoring the electrical aspect, what can be created and imagined with the parts of Snap Circuit toys?

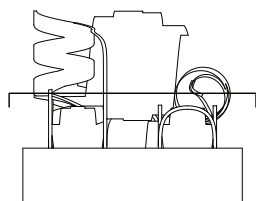
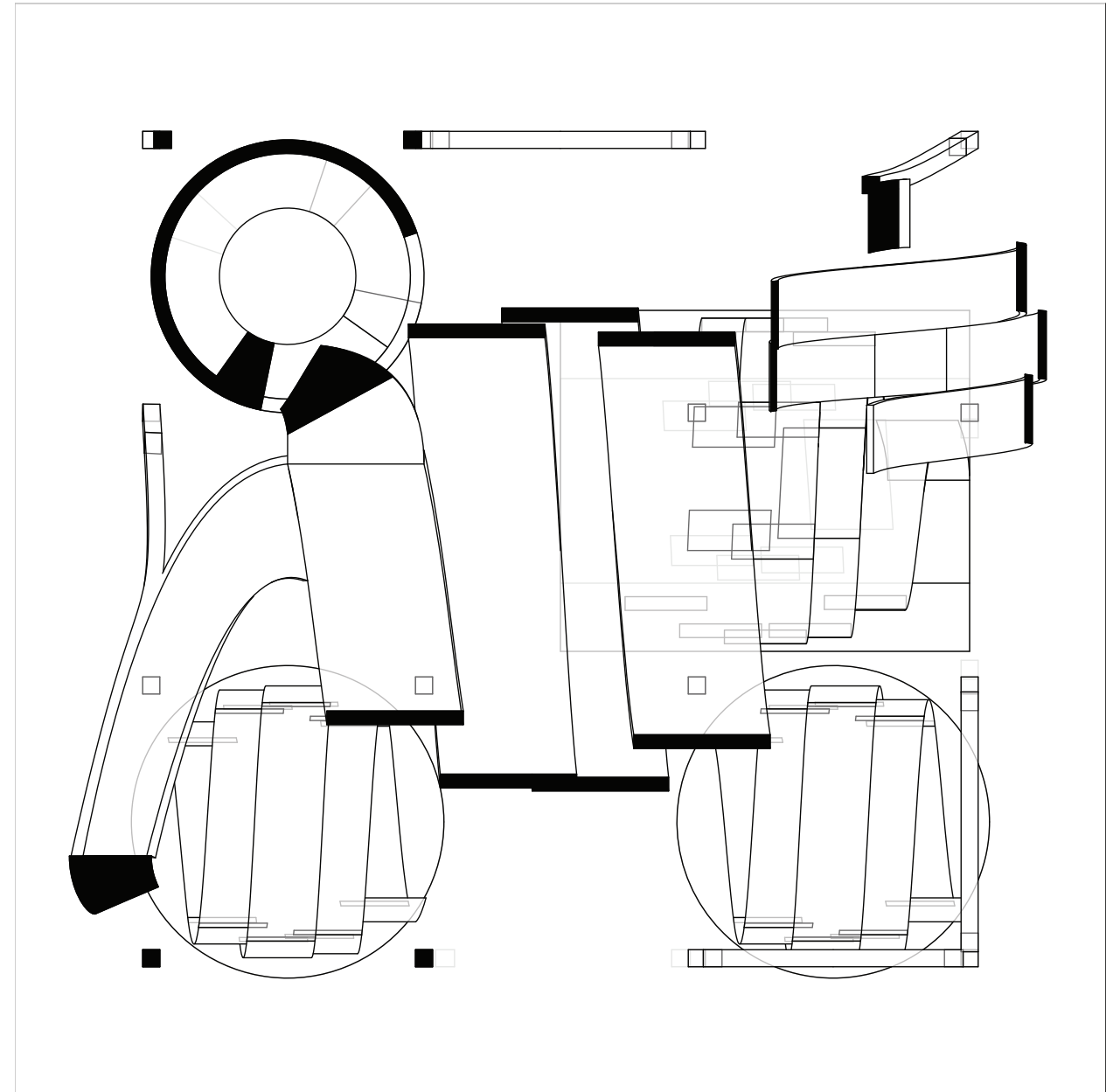
Parts List

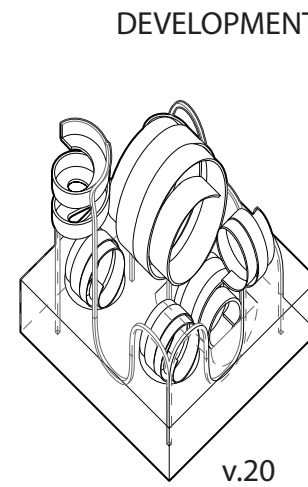
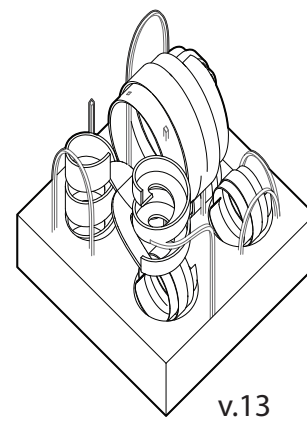
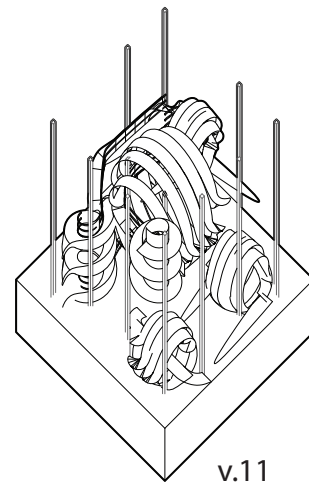
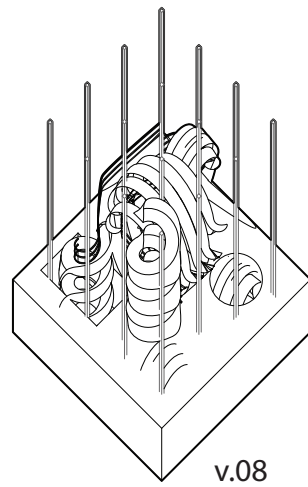
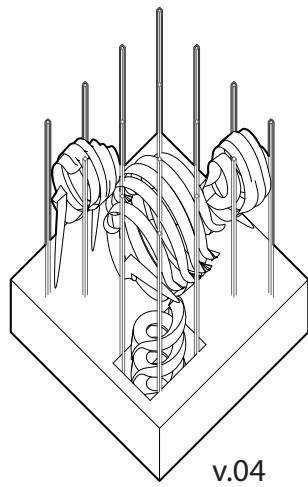
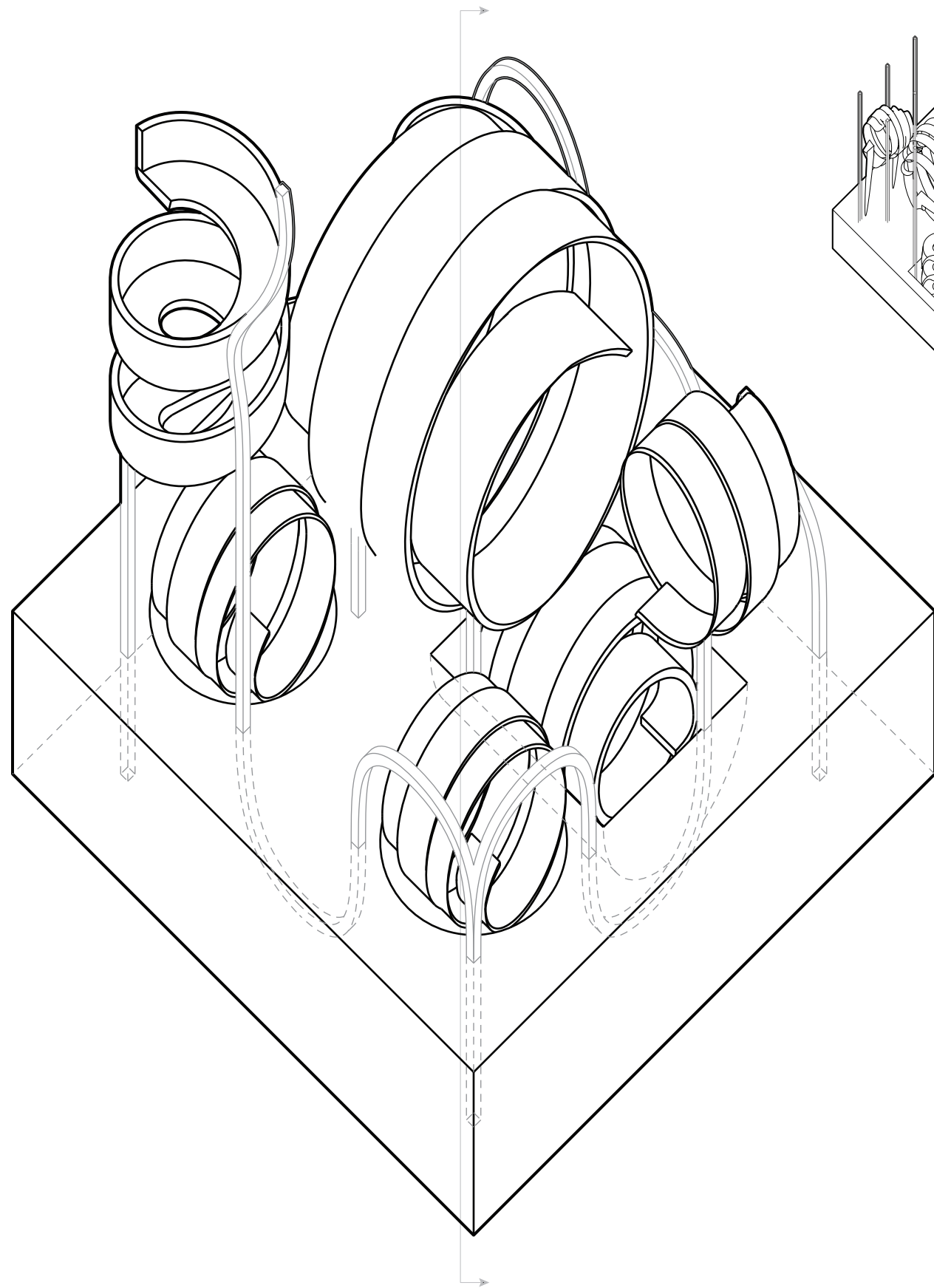
B	x1
C6	x5
C5	x3
C4	x5
C3	x6
C2	x18
C1	x17
I1	x1
I2	x2
L1	x3
L2	x1
R1	x2
R2	x3
W1	x1
W2	x1
N1	x1
N2	x1
N3	x0
P	x1
M	x6
F	x6
S1	x5
S2	x1



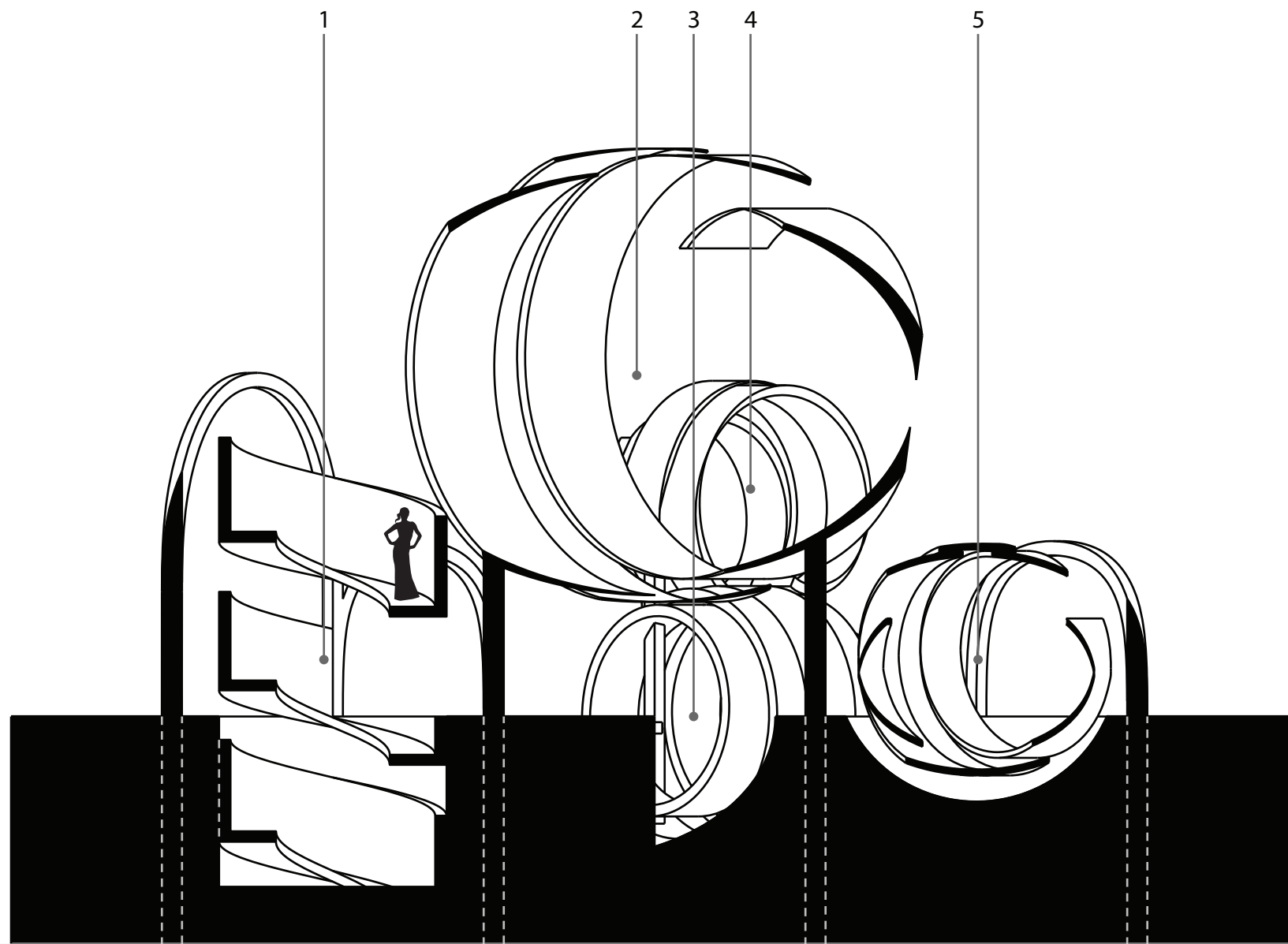
06 RIBBON PARK

TYPE: CIVIC SPACE
LOCATION: ???
COURSE: DESIGN II
DATE: WINTER 2016
INSTRUCTOR: ALEX JOSEPHSON



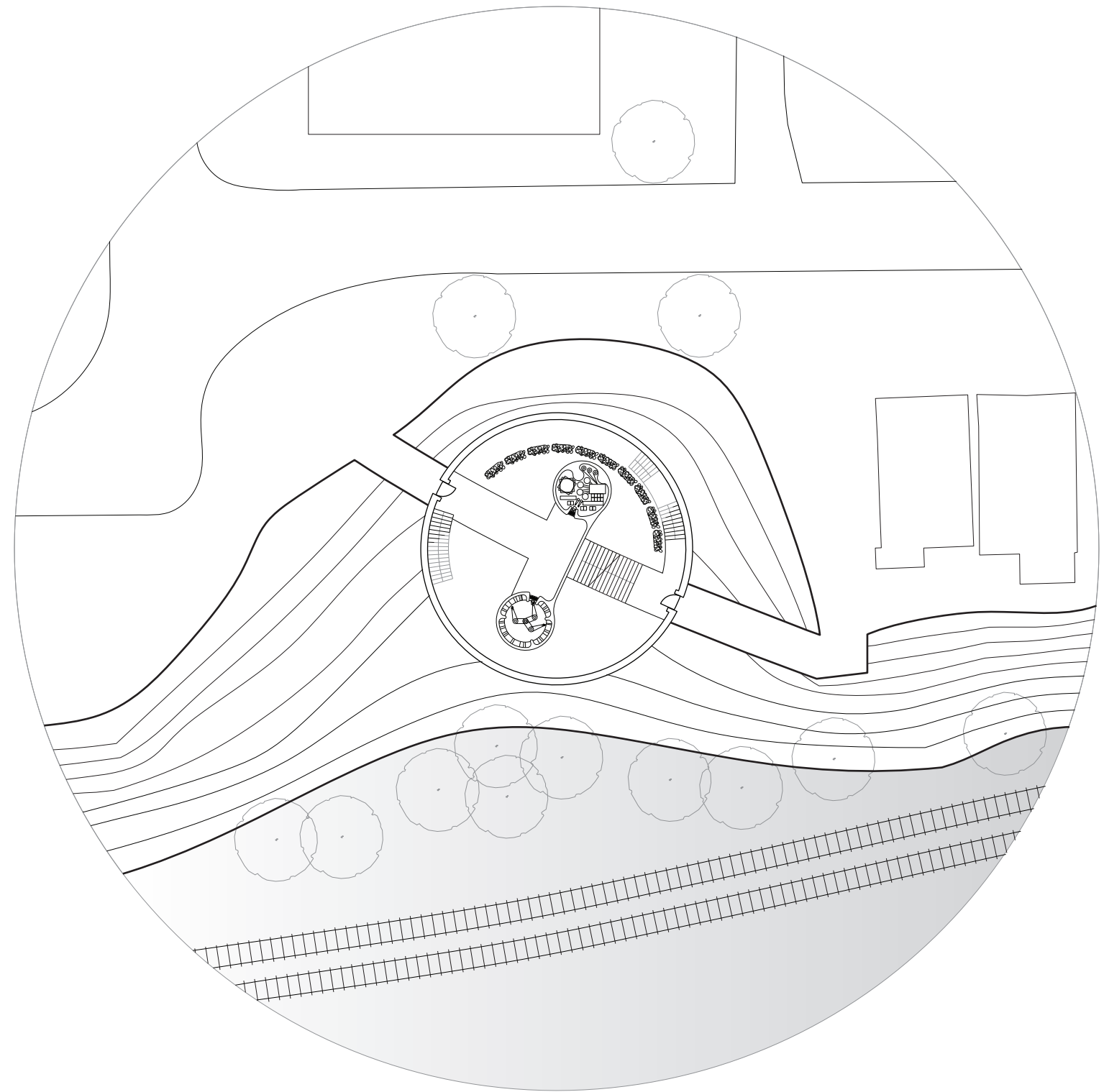


DEVELOPMENT

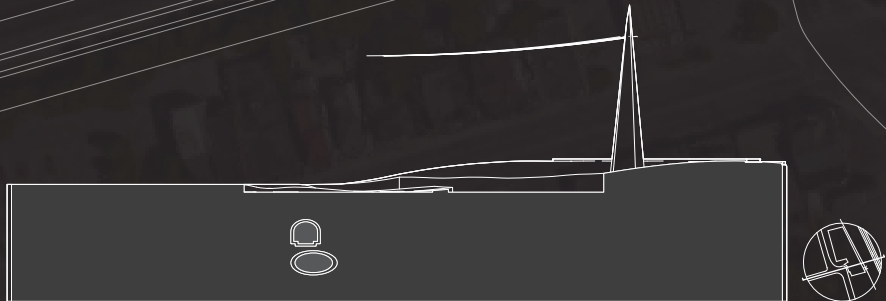
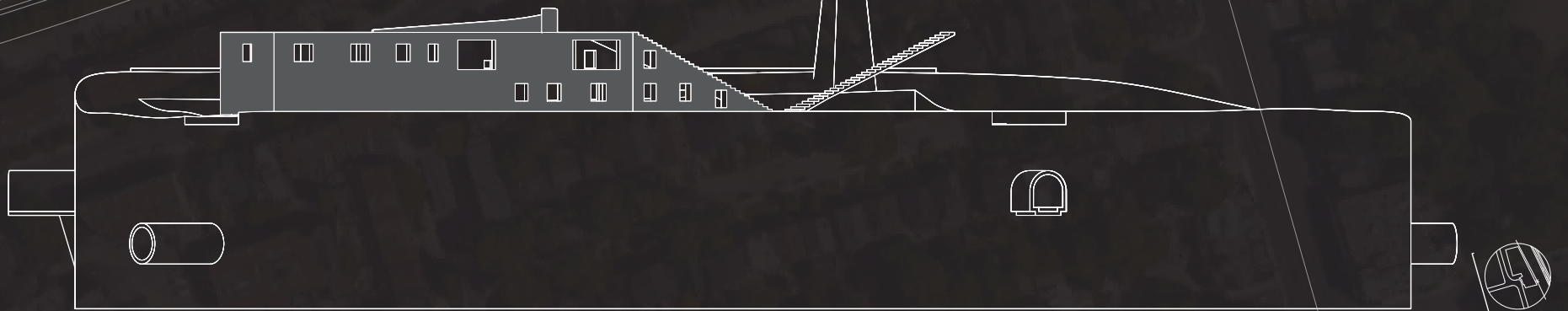
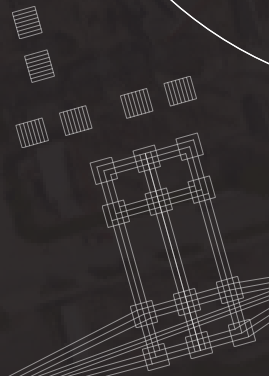
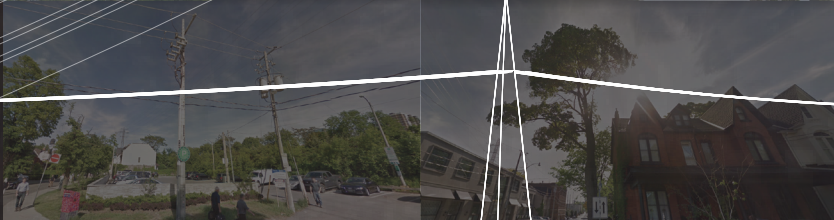
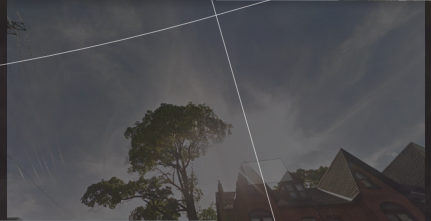
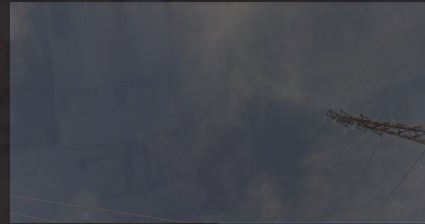
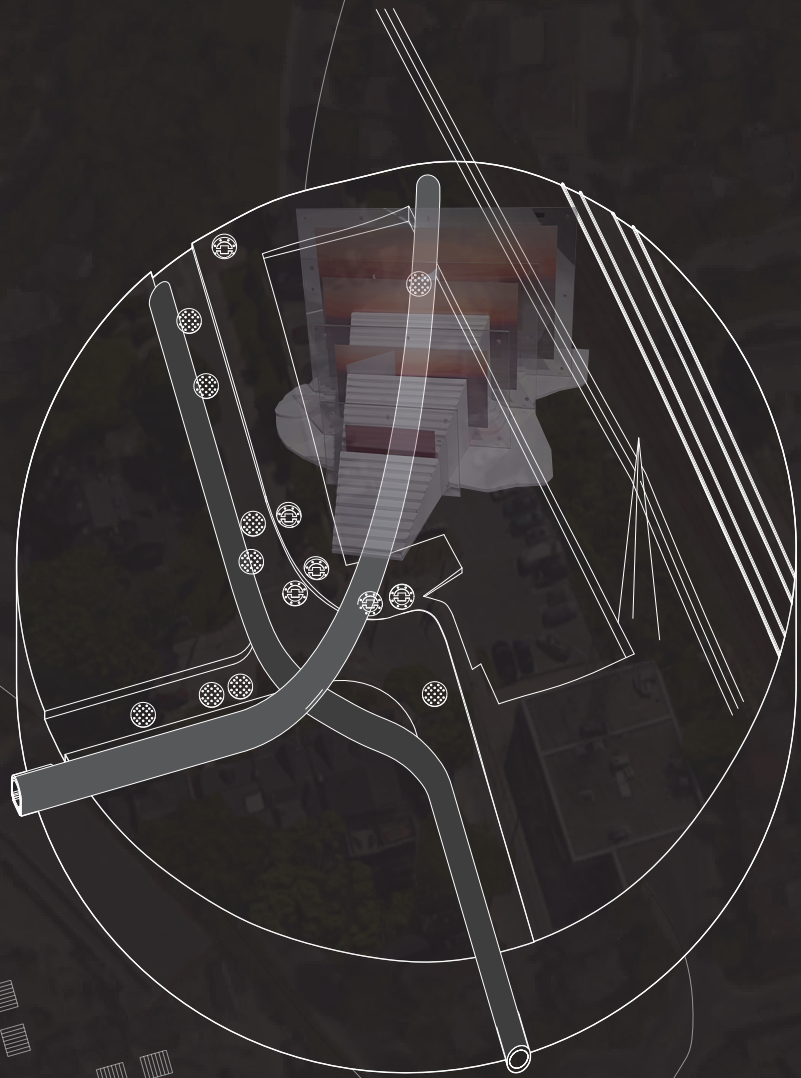


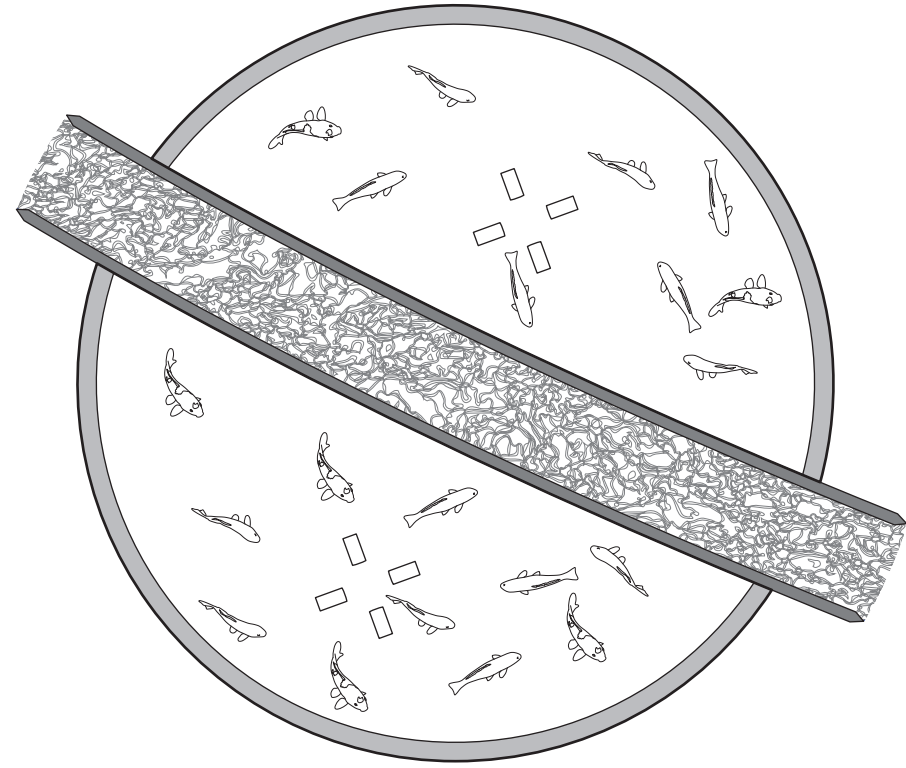
07 WATCH TOWER BUNKER

TYPE: SITE ANALYSIS + BUILDING
LOCATION: 251 MACPHERSON, TORONTO, ON, CANADA
COURSE: STUDIO 6
DATE: FALL 2017
INSTRUCTOR: NIMA JAVIDI

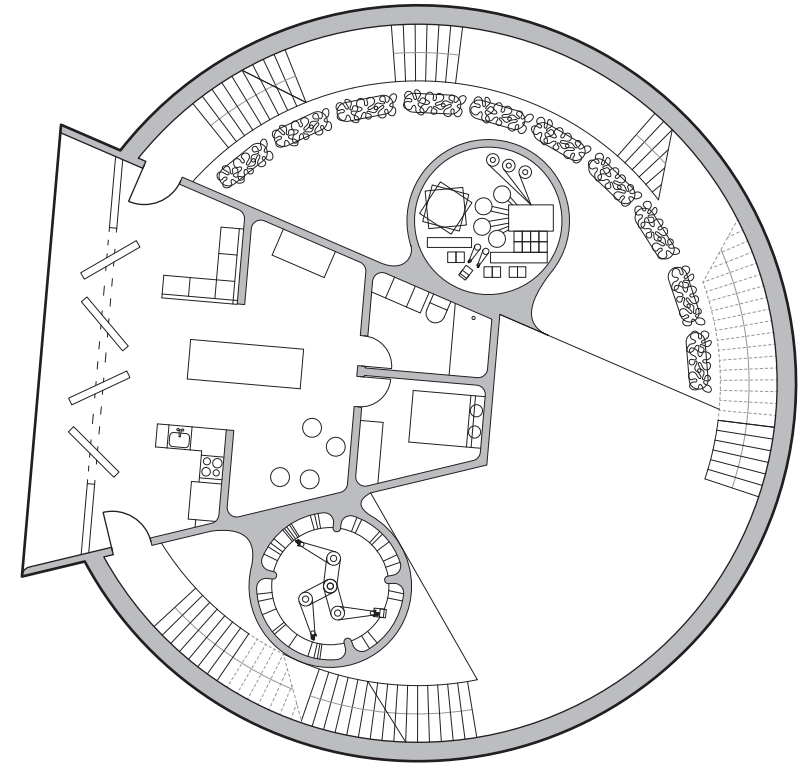


Site

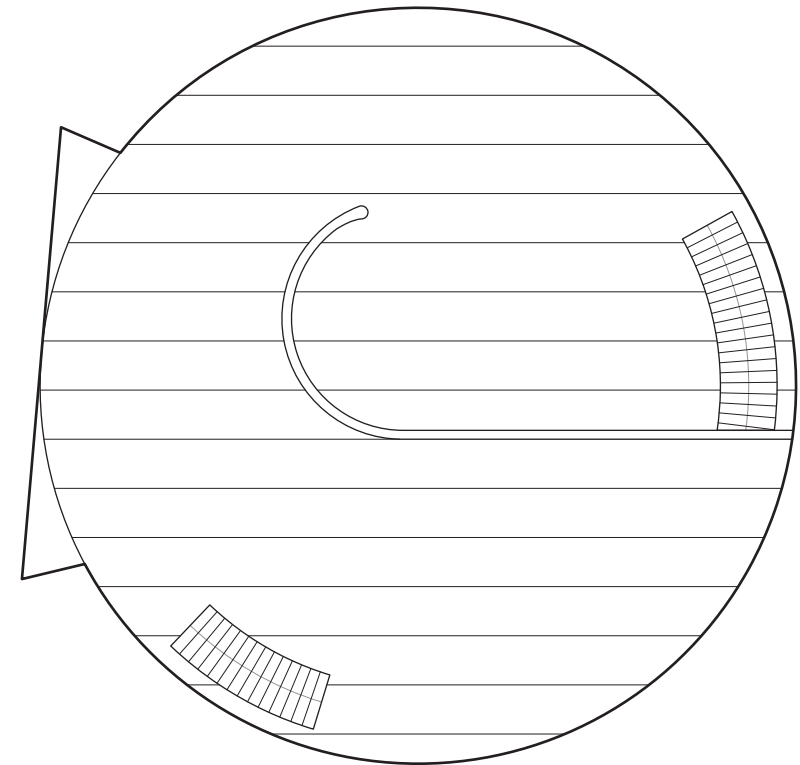
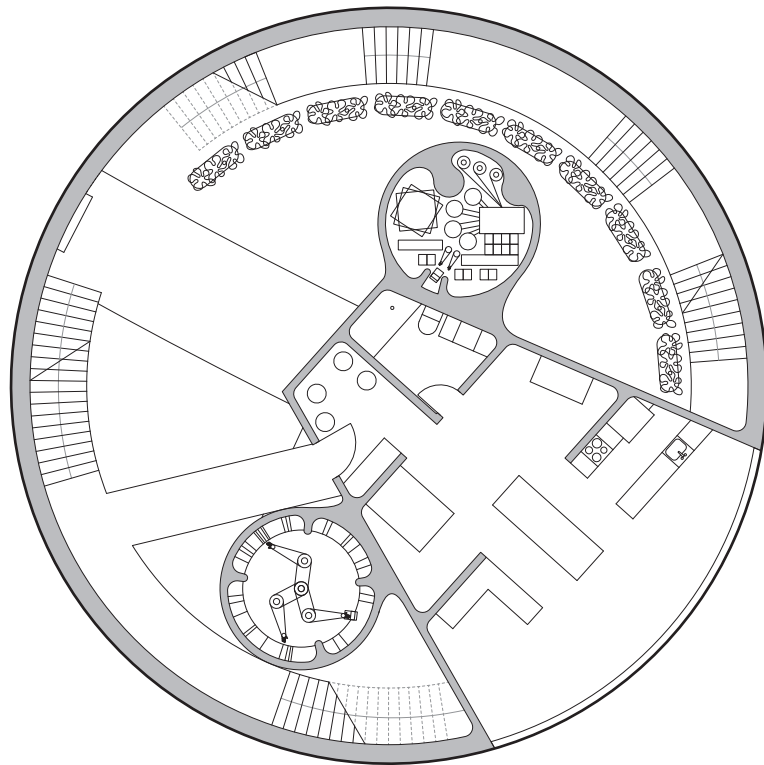


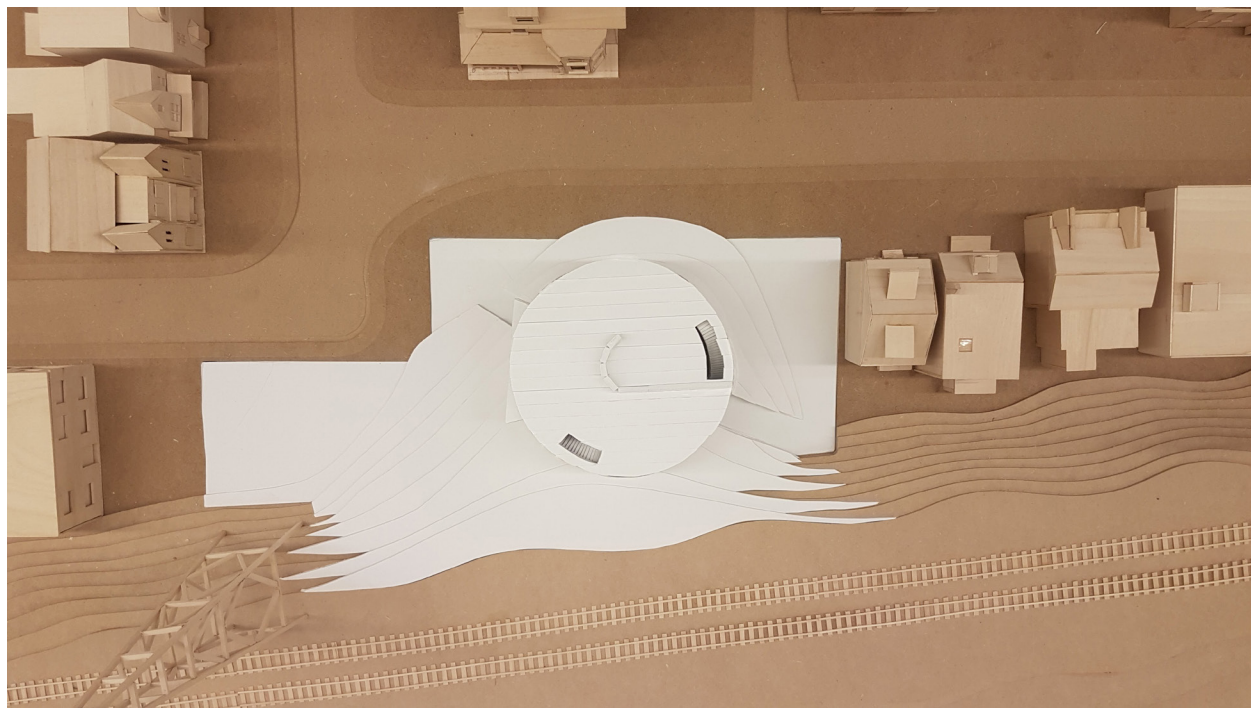
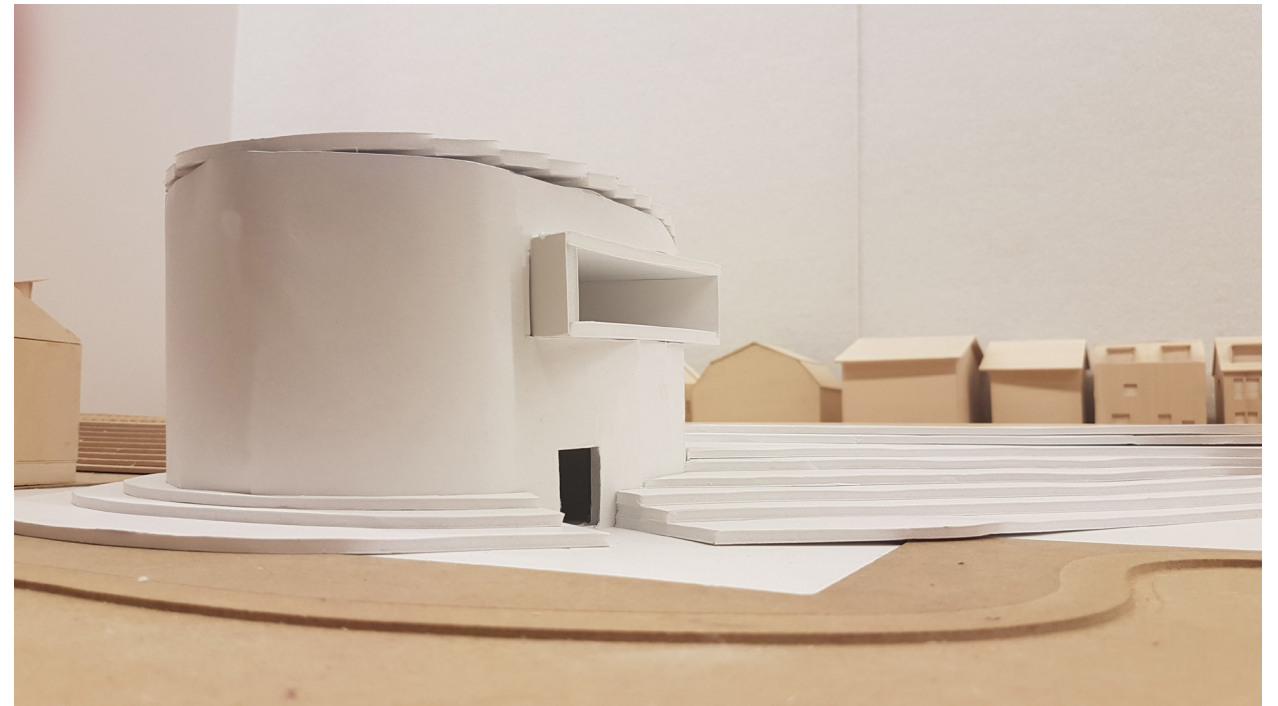
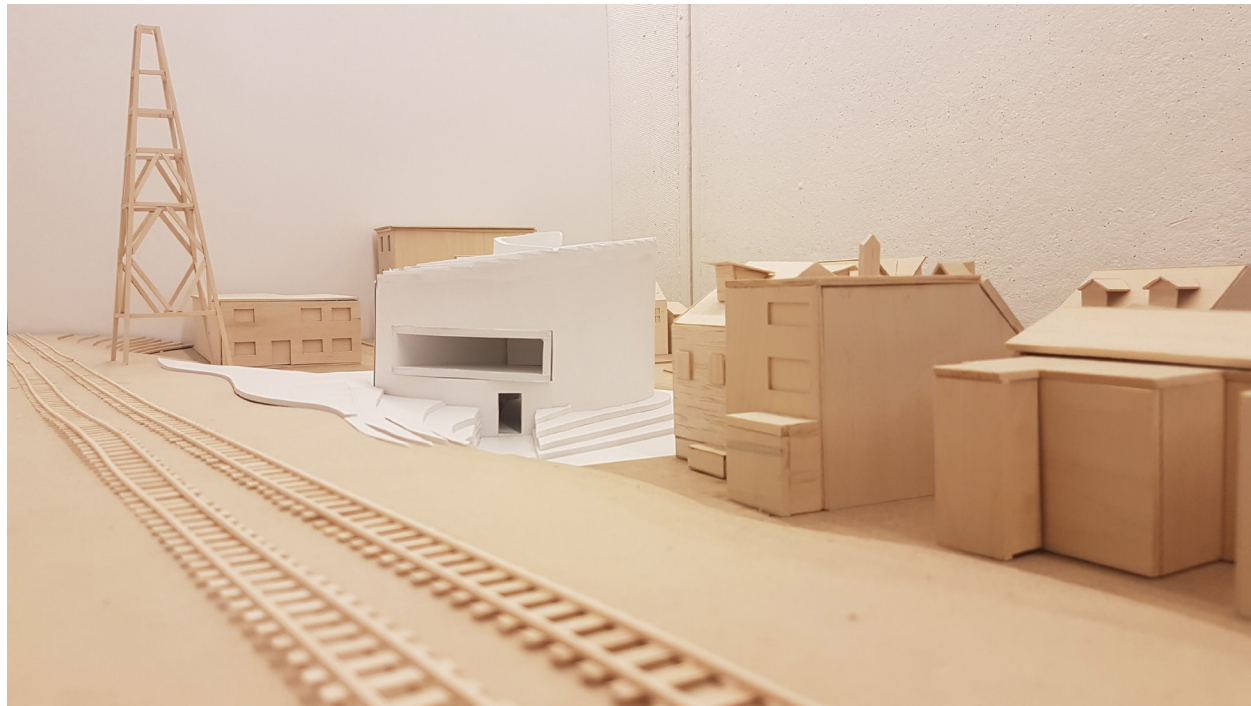


Basement
Second Floor



Third Floor
Rooftop





grey spaces: vaughan mills

Queenie Dang, Joshua Estrella & Jessica Frasca

Vaughan Mills is known as one of the largest shopping malls in Canada, spanning nearly 1.3 million square feet of retail space alone.

It's massive size is surrounded by an equally, if not larger, parking lot. The excessive amount of grey infrastructure thus poses an environmental and ecological problem for the surrounding wildlife such as birds and insects as the mall provides little to no shelter for these organisms, poses a threat to their safety during flight, and further stimulates the Urban Heat Island effect.

Thus, we have proposed three interventions that may help stimulate the co-existence of consumers and wildlife, without interfering with the health and well-being of either party.



minor intervention:

Installation of bird decals along the windows of the stores to prevent birds from crashing into the glass.
Installation of a green wall inside the mall.



moderate intervention:

Reorganization of the parking lot by connecting the small green patches at the end of each parking strip together to form a green border. Encourages birds and insects to fly around the parking lot, using the green border as a means of circulating around instead of attempting to fly through the mall windows.

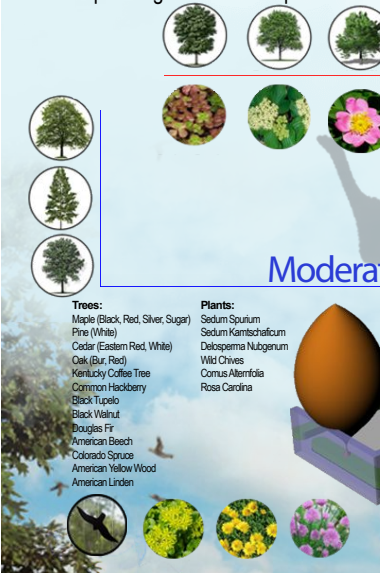


major intervention:

Introduction of a green roof, planted with local sedum, flowers, and shrubs, across the entire roof top. Because the mall is only one storey, the structure is low enough to the ground so that birds and insects can reach the green roof without a problem. The green roof will act as a bridge, connecting the adjacent green areas surrounding Vaughan Mills together.

Key species being introduced:

We will introduce several tree species with the following objectives: creating habitat for common bird species, providing shade for large properties, or ability to remove local pollution. Plant species selected provide good water absorption characteristics.



- Trees:**
Maple (Black, Red, Silver, Sugar)
Pine (White)
Oak (Eastern Red, White)
Oak (Bur, Red)
Kentucky Coffee Tree
Common Hackberry
Black Tupelo
Black Walnut
Douglas Fir
American Beech
Colorado Spruce
American Yellow Wood
American Linden

- Plants:**
Sedum Spurium
Sedum Kamtschaticum
Diabaspma Nubigenum
Wild Chives
Cornus Allertalis
Rosa Carolina

Target species in area:



Parking Reconfigurations:
Left: Base/Minor
Right: Moderate/Major
15% Less Parking + 40% More Green Space



08 GREY SPACES

TYPE: SITE ANALYSIS + LANDSCAPE PROPOSAL
LOCATION: VAUGHN MILLS
COURSE: LANDSCAPE, TECHNOLOGY AND ECOLOGY [GROUP PROJECT WITH QUEENIE DANG + JESSICA FRASCA]
DATE: SUMMER 2016
INSTRUCTOR: SCOTT MACIVOR

joshua c.
Estrella

PORTFOLIO
