



MEGAN LLOYD
BFA, BEDS, MARCH CANDIDATE
DESIGN PORTFOLIO
2014

MEGAN LLOYD
BFA, BEDS, M.ARCH CANDIDATE
2457 Agricola Street
Halifax, NS
megan.lloyd@dal.ca
(902) 830-8678

EDUCATION

Dalhousie University
Master of Architecture
2014-present
Bachelor of Environmental Design Studies
2012-2014

NSCAD University
Bachelor of Fine Art
2009-2012

St. Francis Xavier University
Engineering
2006-2007

ACADEMIC INVOLVEMENT

Dalhousie Architecture Students Association
President // 2014
NSAA Intern Committee // 2014
Institute for Research in Materials // Oral
Presenter at Annual Research Day // *Studying the
Material Implications of Green Oak Gridshell
Structures* // 2014
IDEA Building Project Development // 2014
Technology Teaching Group // 2014
Lecture Series // 2013-2014
Professional Practice committee // 2013
School of Architecture committee // 2013
Humanities committee // 2013

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AWARDS

UCBeyond National Scholarship // 2014
William P. Lydon Memorial Scholarship //
2014
Dalhousie Undergraduate Scholarship // 2014

CERTIFICATIONS

St. John Ambulance First Aid/CPR // Updated
June 2014
Scaffolding Safety Training // Expiry 2017
Fall Protection Safety Training // Expiry 2017

WORK/VOLUNTEER

Teacher's Assistant // Dalhousie University
Professional Practice // ARCH 3302
2014-present

Teacher's Assistant // Dalhousie University
Building Systems Integration // ARCH 4211
2014

Coastal Studio
Co-op Student Designer/Builder
2013

EyeLevel Gallery
Student Intern
2012

SKILLS

AutoCAD
InDesign/PhotoShop/Illustrator
Hand Drawing
SketchUp
Model Making
Woodworking
Metalworking
Rhino
VectorWorks
Revit



REFERENCES

Diogo Burnay
diogo.burnay@dal.ca

Niall Savage
niall.savage@dal.ca

Brian Lilley
brian.lilley@dal.ca

Ted Cavanagh
ted.cavanagh@dal.ca



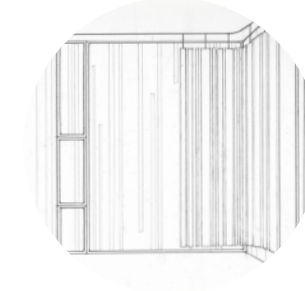
1-4

**Cheticamp Farmer's
Market //**
Cheticamp, NS



5-6

**Fundy National Park
Treehouse //**
Alma, NB



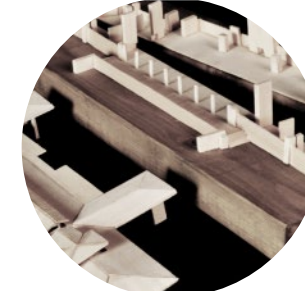
7-8

**Dalhousie School of
Music //**
Halifax, NS



9

**Urban Planning +
Housing // In Process //**
Dartmouth, NS



10

**Other Works // work
done during BEDS //**
Various Sites



11-12

**Ross Creek Solar
Showers //**
Canning, NS

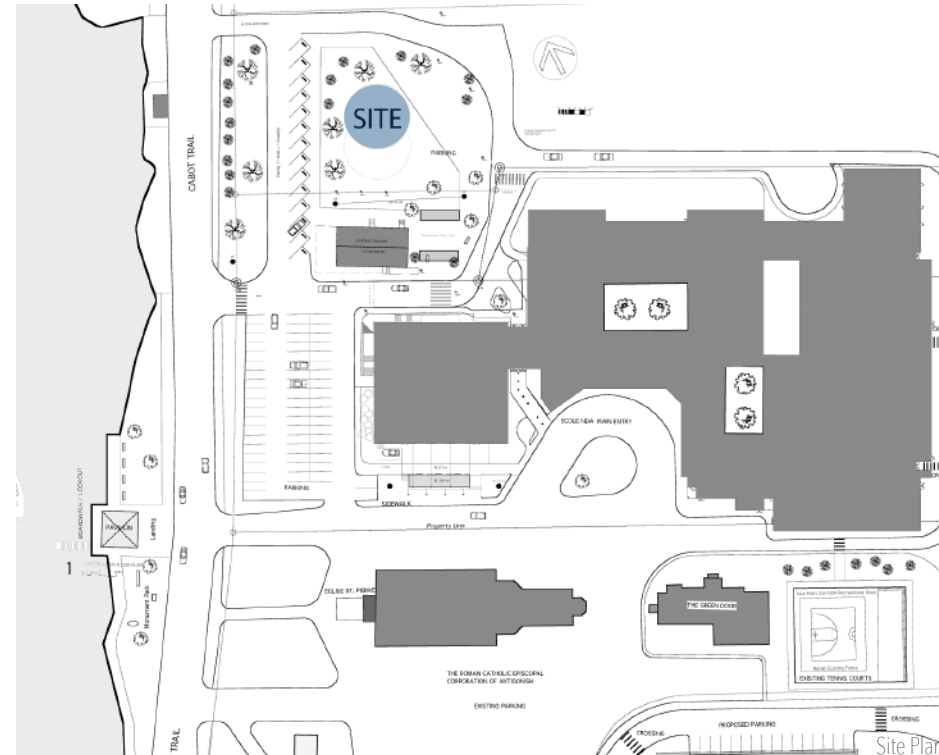
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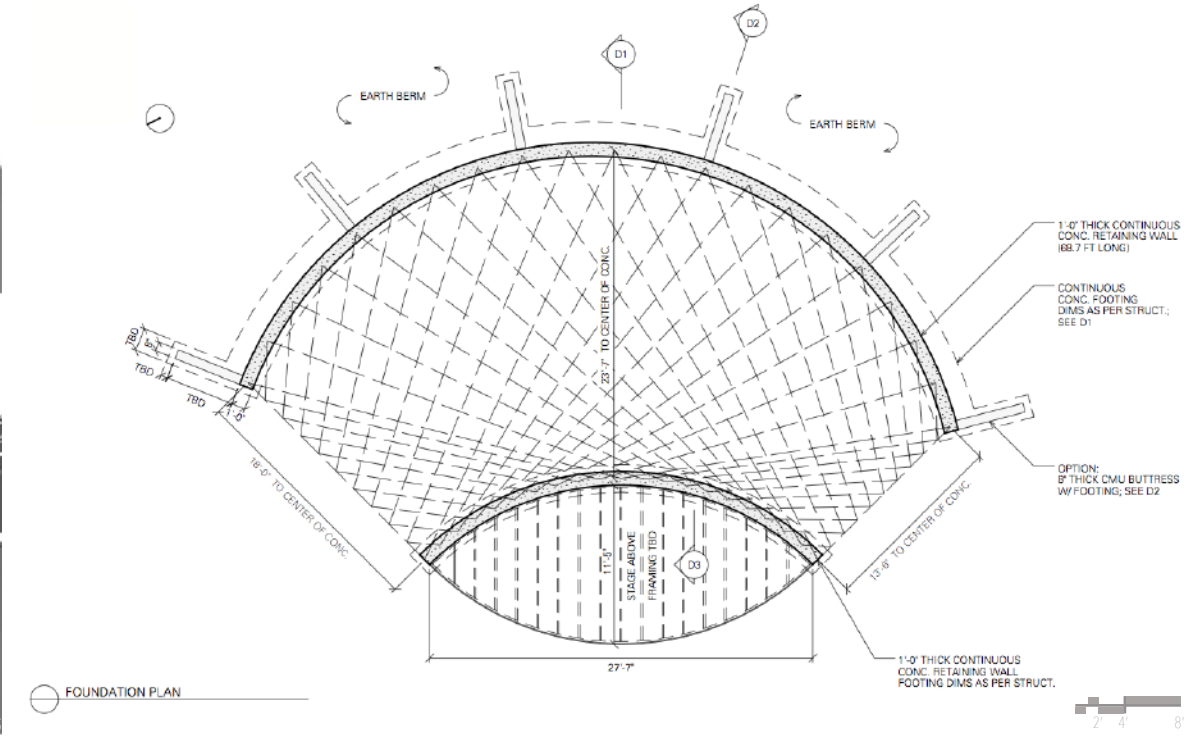
CHETICAMP FARMERS MARKET

M1 // MAY-AUGUST 2014

The Cheticamp Farmer's Market was a Design/Build project which took place during the summer of 2014 along with nine other students. The site is located in Cheticamp, NS, a small Acadian town in Cape Breton made up of about 3,000 residents. The structure is made using locally sourced green oak and is held together by a hybrid lashing/clamping system, which all ties into a concrete slab floor. In addition to designing and building the grid shell, our team also took on landscaping and furniture design/building. We installed permeable paving at the entrances, constructed a band stand, built a berm to reduce street noise and laid all new sod. After several community collaboration meetings, new tables were specially built for each vendor at the market as well. The next phase of the project is to introduce a sun shading system of criss-crossing wooden laths throughout the structure and to install a bench on the back curve. As for the future of the site, a community garden has been initiated in the field directly behind the structure to encourage the children of the town to grow food and sell it at the market.



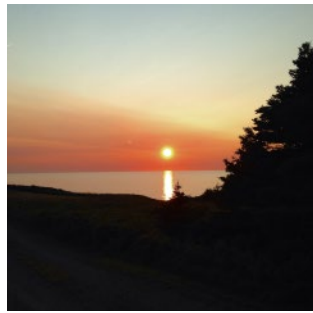
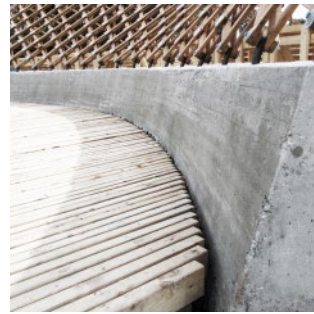
Conceptual Drawings





CHETICAMP FARMERS MARKET

M1 / 7 MAY-AUGUST 2014



Photos Throughout the Design/Build Process



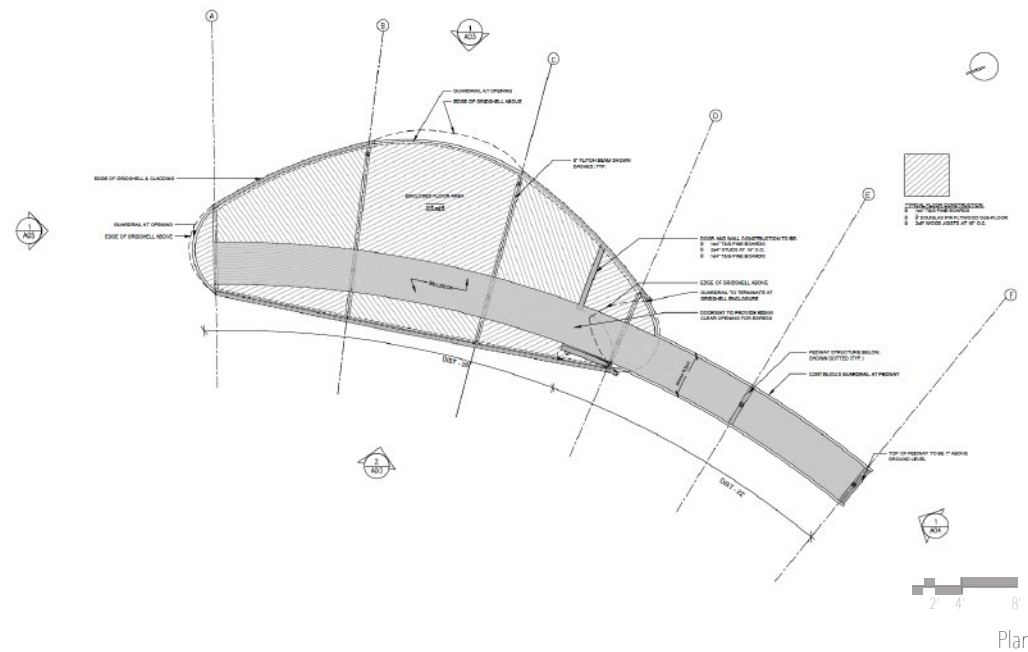
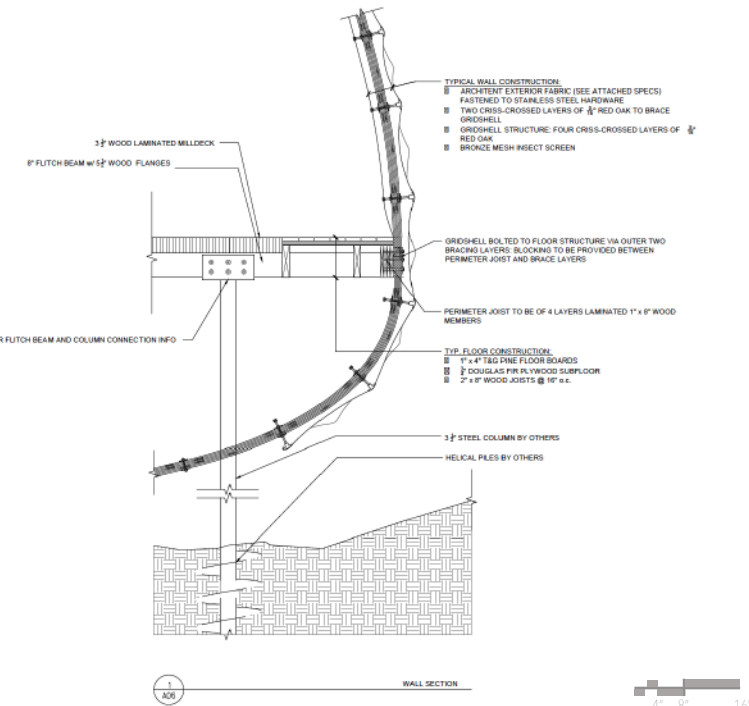
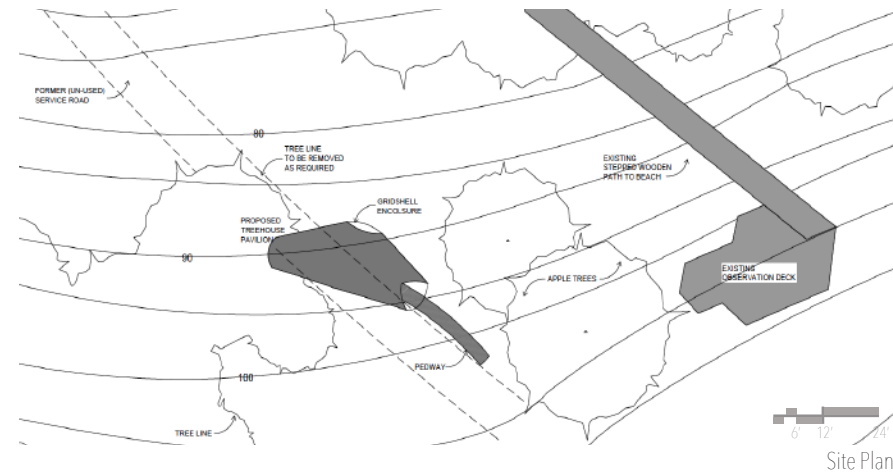


FUNDY NATIONAL PARK TREEHOUSE

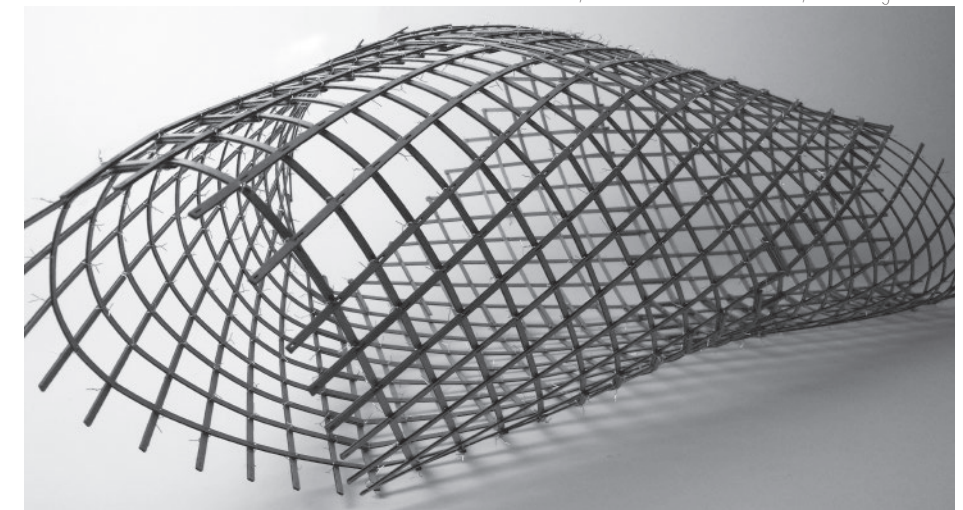
B4 // WORK TERM // AUGUST-DECEMBER 2013

The Fundy National Park Treehouse is a project that was first conceived in 2012. Initial site work began at this time but the design of the grid shell structure did not begin until the following year.

I was on the team of designers tasked with making this unprecedented type of construction work. What makes the Treehouse project unique is that it is a grid shell that does not touch the ground. It wraps into itself like a cocoon. This type of structure has never been built before so the design and building process was a lot of thinking while doing, a lot of testing ideas out by physically building. This project required very detailed drawings, models and accurate documentation for clear communication with our partner engineers and client, Parks Canada.



Models. Above: sketch models, bottom left and middle: 1:1, bottom right: 1:20



Work Term Design/Build Team: Ben Angus, Katie Hall, Tyler Hall, Kaitlyn Labrecque, Katelyn Latham & Megan Lloyd



DALHOUSIE SCHOOL OF MUSIC

B5 // JANUARY-APRIL 2014

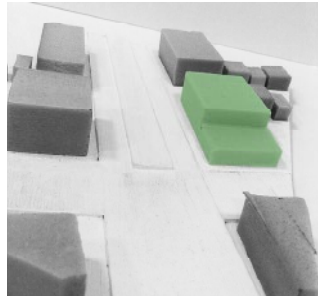
The design process began with the study of the relationship between the pianist and the piano. Starting the process here, made it clear that the primary goal of the design would be to make spaces that musicians would want to inhabit, places that are comfortable and functional for the needs of a music student. Geometry, acoustics and lighting became the main factors considered. The layout of the plan was generated by the fabric of the site, located on an important intersection in Halifax delineating public Robie Street, and the more private institutional University Avenue. The plan was cut into three parts: Learning, Practicing and Performing. The Learning slice was closest to Edward Street, the quieter end of the building; the Performing slice was adjacent to Robie Street meant to interact with the public. The Practicing slice mediated the space in between. This splitting and slicing lent itself to the existence of natural lighting and green spaces within the building. Some of these features include south facing balconies stacking the facade and a staggered atrium piercing the building acting as circulation as well as an impromptu performance space.



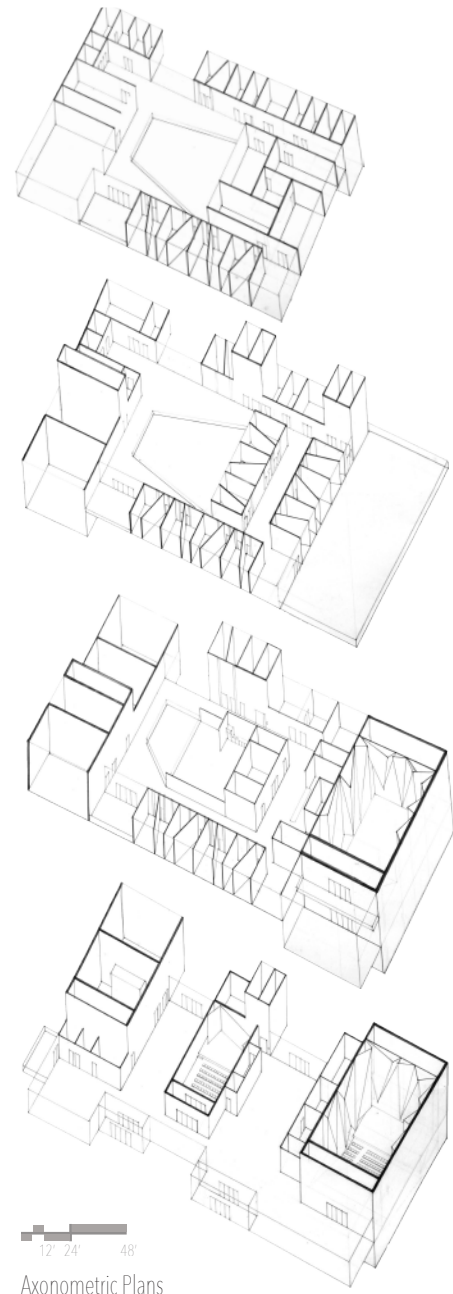
City Scale



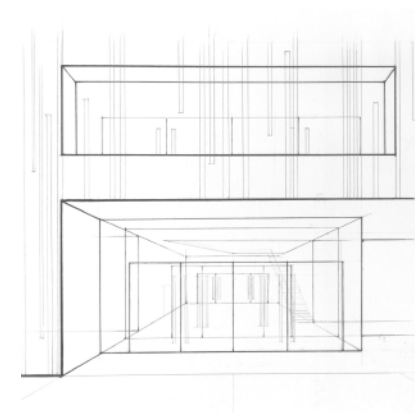
Neighborhood Scale



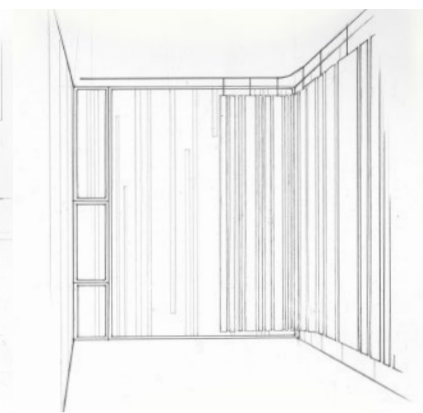
Building Scale



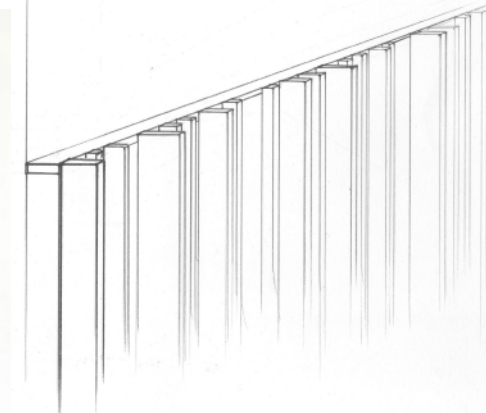
Axonometric Plans



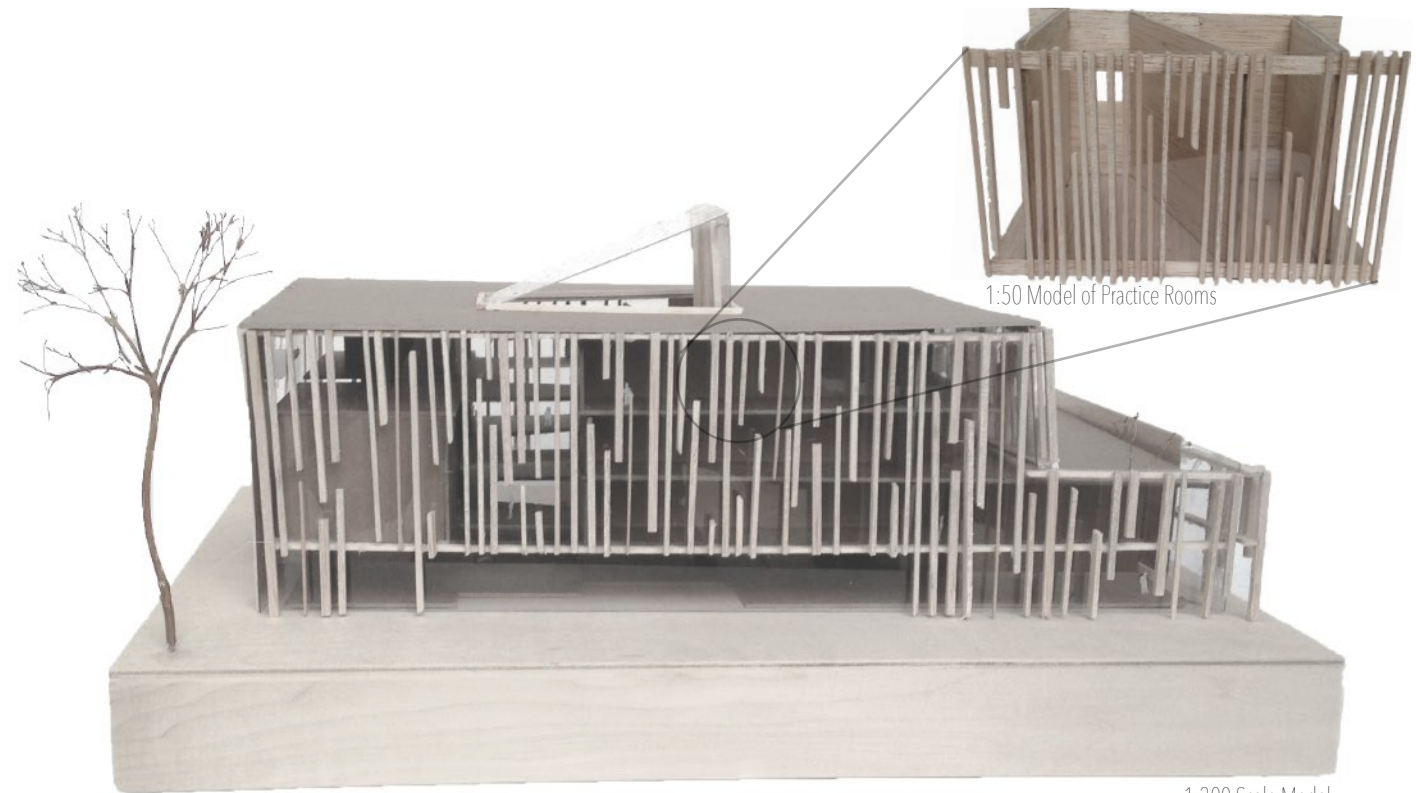
View of Main Entry



Inside Practice Room

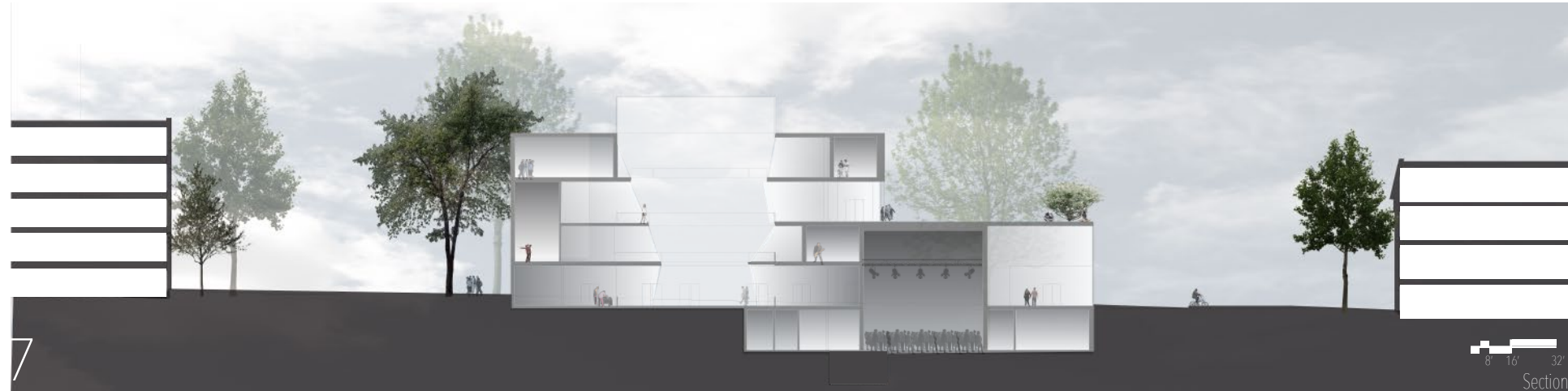


Cladding Detail



1:50 Model of Practice Rooms

1:200 Scale Model



Section

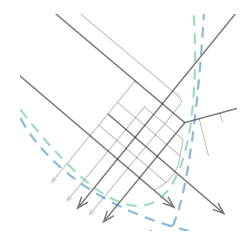
URBAN PLANNING+HOUSING DESIGN

M2 // SEPTEMBER-DECEMBER 2014 (IN PROGRESS)

In the design studio this semester, we are presented with the task of studying the juxtaposition of urban conditions on the Dartmouth waterfront and asked to improve the existing site by developing a new master plan for the area. This is done by thinking about the city as one entity and the waterfront as another and how to use housing as a means to mitigate these two zones.

The first part of the term is about studying the site at all scales, from its context within the province down to changes in topography over each individual building site. As I began to study the site, a gap appeared between Dartmouth Cove and Sullivan's Pond; it is the only non-continuous part of a chain of lakes and rivers that run all the way from Halifax Harbour to the Bay of Fundy. The first step in the new urban design strategy became to expose this buried canal by street simplification and the implementation of public green space. The step in progress is to design high density housing in this green space.

Major Urban Moves



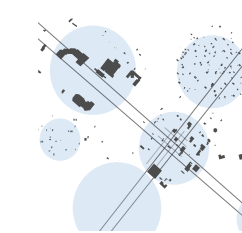
Simplification of Streets



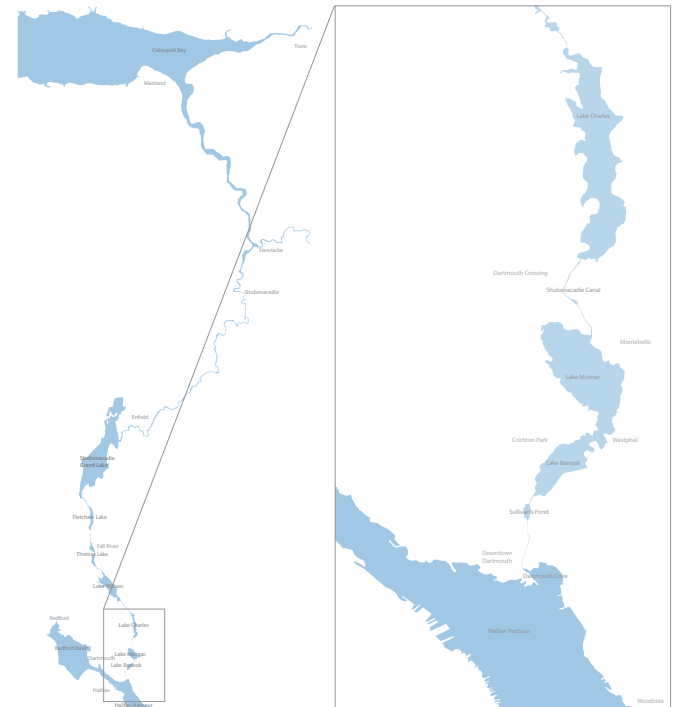
Revival of the Canal:
Connection to Halifax Harbor



Greenbelt along Waterfront
integrated with Commons



Connecting Scales



Nova Scotia Lakes from Halifax Harbour to the Bay of Fundy



Dartmouth Lakes showing new Canal Renewal Proposal



Current Dartmouth Site Plan



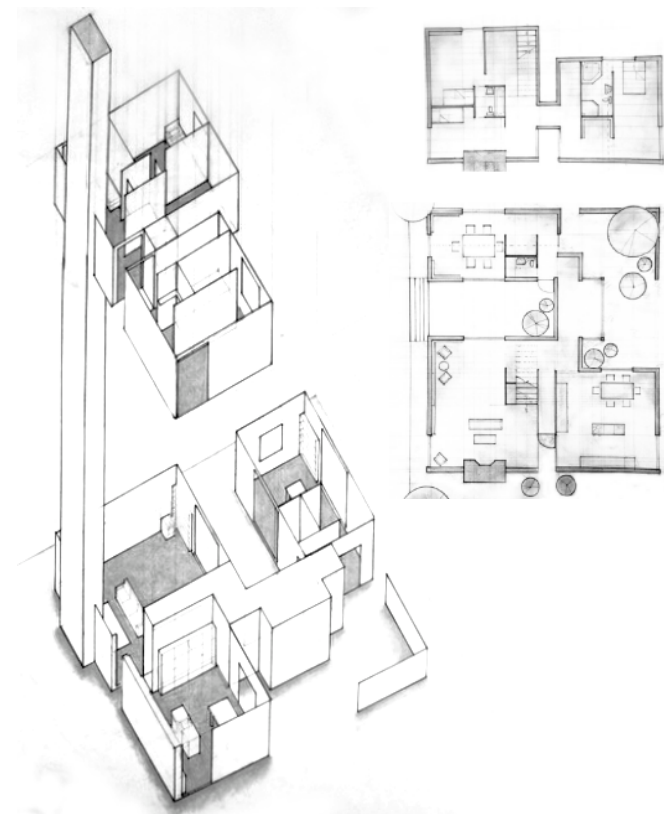
Proposed Site Plan



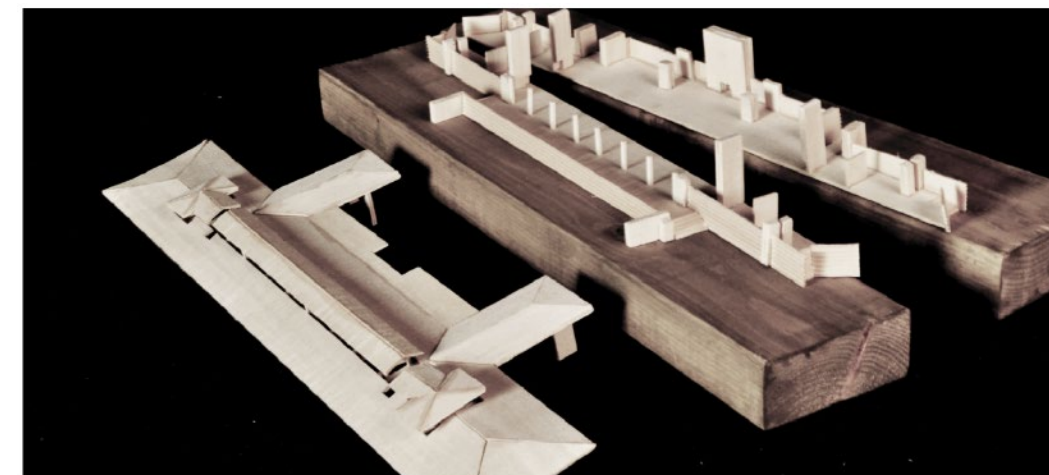
OTHER WORKS

B1-B3 // SEPTEMBER 2012-JULY 2013

Selection of projects from the first few semesters of the Bachelor of Environmental Design program at Dalhousie University.



B2 // Live/Work Housing Design: Family home and home-school design drawings, plans & axonometric.



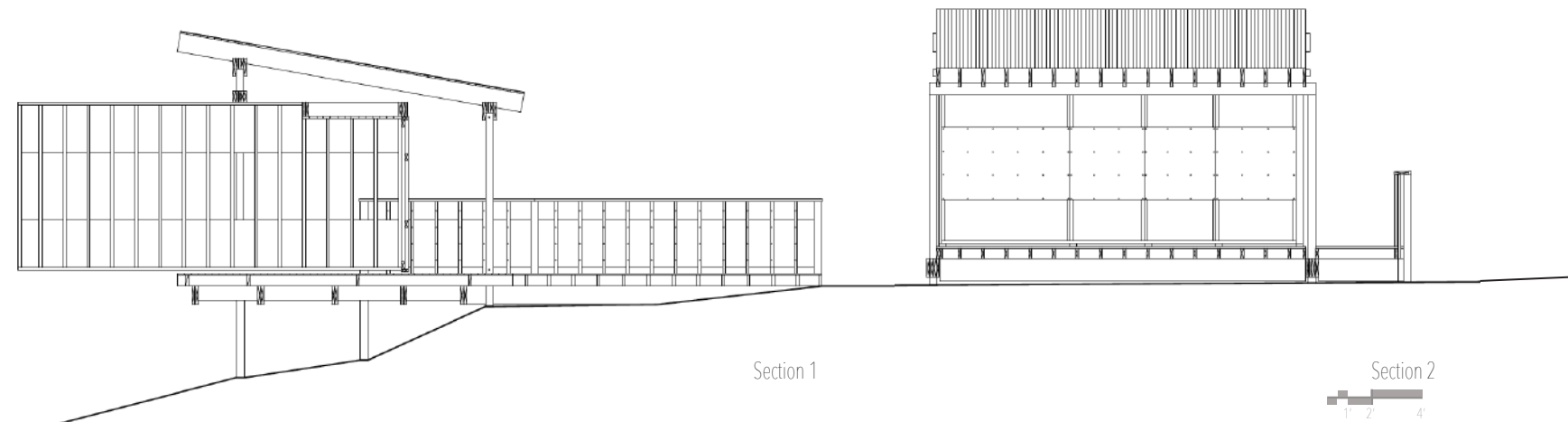
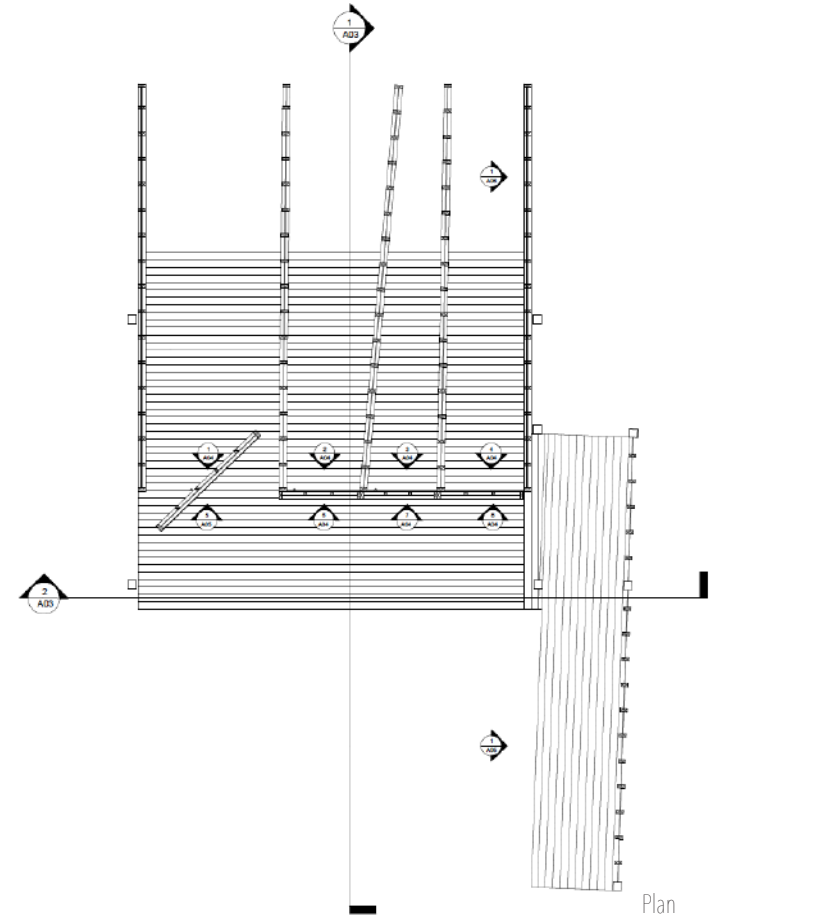
B1 // 1:100 model of Frank Lloyd Wright's Banff Park Pavilion presented in detachable wooden parts



ROSS CREEK SOLAR SHOWERS

B3-4 // MAY-DECEMBER 2013

The Ross Creek Solar Showers was a project that began in 2011 at the Ross Creek Center for the Arts in Canning, NS. Unfortunately, the first time it was built, the construction failed and it needed to be rebuilt. I was a member of the team who worked to rebuild the Solar Showers in the summer of 2013 and then again was involved with the project that fall to create a set of as-built drawings to obtain necessary permits. The shower pavilion is designed to appear as if it is cantilevering off a steep hill, looking out to the woods beyond. It is made up of four private shower stalls each framing a specific view, taking inspiration from the Perry Lakes Park restrooms in Marion, AL by Rural Studio.



As Built Drawing Team: Katie Hall, Kaitlyn Labrecque, Katelyn Latham & Megan Lloyd
Build Team: Wes Bou-Saleh, Megan Lloyd, Philippa Ovonjiodida-Keri, Alina Rahmatullina, Luke Ryalls, Max Schnutgen & Mahsa Shobbar

