

Deborah Montgomery

B.E.D.S, Dalhousie University
db715125@dal.ca

1.902.895.1125

Contents

CV

Architecture

Salt Marsh Observatory	In Progress
Camera Obscura Pavilion	Summer 2011
Modular Bike Pavilion	Winter 2010
Ferry Terminal	Winter 2009
House I	Winter 2008

Installations

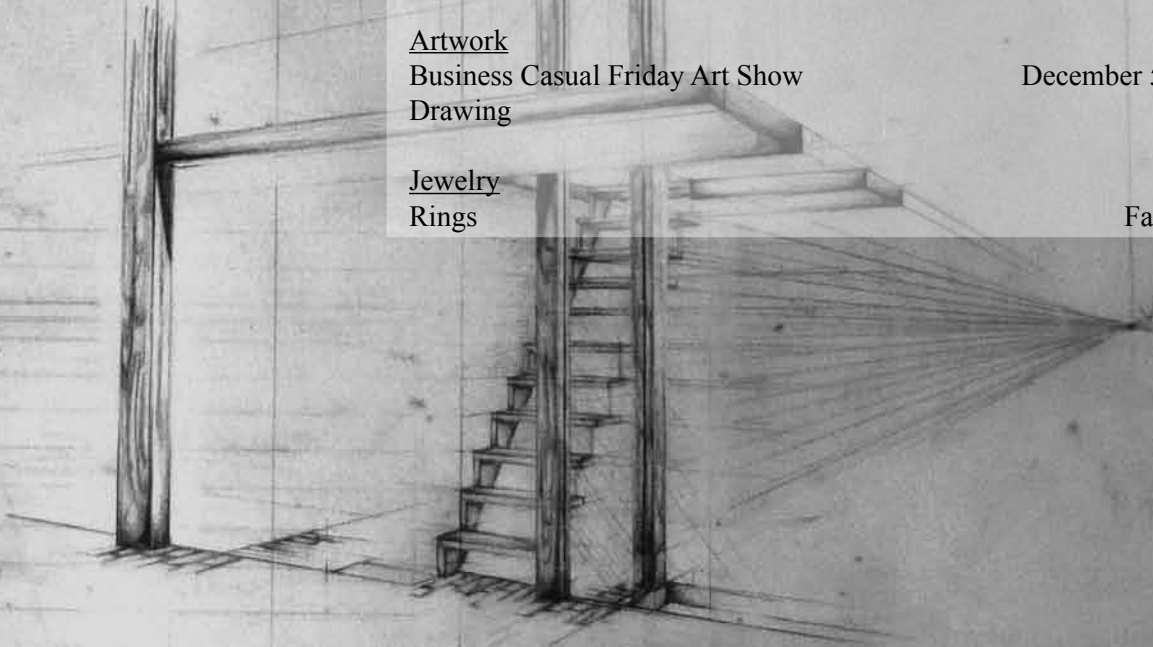
Freelab: Pathways	Summer 2008
Structural Bay: Cantilevered Span	Summer 2008

Artwork

Business Casual Friday Art Show	December 5, 2009
Drawing	

Jewelry

Rings	Fall 2010
-------	-----------



Education

Sept. 2011 - January 2012 Masters of Architecture, exchange semester	University of Strathclyde	Glasgow, Scotland
May 2011 - August 2011 Masters of Architecture	Dalhousie University	Halifax, Nova Scotia
Sept. 2010 - Dec. 2010 Sculpture/Jewelry & Metals	Alberta College of Art and Design	Calgary, Alberta
Sept. 2007-April 2009 Bachelor of Environmental Design Studies, Major in Architecture Degree Awarded	Dalhousie University	Halifax, Nova Scotia
Sept. 2005-April 2007 Interdisciplinary Fine Arts	Nova Scotia College of Art and Design	Halifax, Nova Scotia
May/June 2006 Mathematics	Nova Scotia Agricultural College	Truro, Nova Scotia

Work Experience

Professor Ted Cavanagh Coastal Studio, Camera Obscura Pavilion	Chéverie, N.S. Aug. 15, 2011 - Sept. 10, 2011
Nova Scotia Department of Transportation and Infrastructure Renewal, Building Design Group, Electrical Engineering Services	Halifax, N.S. Feb. 18, 2011 - April 23, 2011
Architextiles Lab/Dalhousie University Co-Directors, Sarah Bonnemaïson (Dalhousie Architecture), Robin Muller (NSCAD)	Halifax, N.S. Feb. 19, 2010 - June 30, 2010
Nova Scotia Department of Transportation and Infrastructure Renewal, Building Design Group, Electrical Engineering Services	Halifax, N.S. June 29, 2009 - Feb. 19, 2010

Skills

Computer/Technology: Adobe Suites CS5, AutoCAD 2012, Rhino 4.0, Google SketchUp, Microsoft Office Software, 3D printing/rapid prototyping, 2D laser cutting.

Art: drawing, painting, sculpture, jewelry and metalwork.

Extracurricular Activities/Awards

Violin lessons	Sept. 2011 - Dec. 2011
Passion Pages Scholarship, academic award	November 2010
Yoga	Aug. 2009 - July 2010
Business Casual Friday: Art Show	December 5, 2009
Fredericton Chamber Orchestra	Oct. 2008 - Dec. 2008
Maritime Conservatory of Performing Arts Advanced/Intermediate Orchestra	2000 - 2005
Violin lessons	1992 - 2003

References

Ted Cavanagh, Professor, Dalhousie University

Halifax, NS
902.494.3967
ted.cavanagh@dal.ca

Scott Perry, Sr. Electrical Engineer, N.S. Dept. of Transportation
and Infrastructure Renewal

Halifax, NS
902.424.6150
perry@sc@gov.ns.ca

Sarah Bonnemaïson: Professor, Dalhousie University;
Director/Founder, Architextiles Lab

Halifax, NS
902.494.3008
sarah.bonnemaïson@dal.ca

Architecture

Salt Marsh Observatory

Camera Obscura Pavilion

Modular Bike Pavilion

Ferry Terminal

House I

Location: Chéverie, Nova Scotia
Client: Chéverie Salt Marsh Society
In Progress (July 9, 2011 - present)

Academic: Design/Build project.

Faculty Supervisor: Ted Cavanagh

Student Coordinators: Deborah Montgomery, Veronique Arseneau, Catherine Wong.

Group Members: Matthew Firestone, Kale Harper, Justin Louckes, Etienne Issa, Ryan Murphy, Lee Lourn, Lukas Bergmark.

This project involved the design and construction of an observatory overlooking a recently restored salt marsh in Chéverie, Nova Scotia. The marsh floods twice daily by the tides of the Bay of Fundy. Our intention was to design this observatory to reflect the qualities of the dynamic marsh environment and mediate the experience by drawing visitor's through moments of shelter (stairs) and moments of openness (platforms).

A series of hemlock frames suspending from a steel structure become the stairs by which visitors access the viewing platforms. As the visitor ascends the stairs, each frame successively widens and angles outward, opening onto the first platform overlooking the salt marsh. In the same manner the second set of frames rise from the first platform opening onto the second platform looking toward the Bay of Fundy.



Architecture

Salt Marsh Observatory
Camera Obscura Pavilion
Modular Bike Pavilion
Ferry Terminal
House I

Location: Chéverie, Nova Scotia
Client: Chéverie Salt Marsh Society
Summer/Fall 2011

Academic: Construction project.

Professor/Project Coordinator: Ted Cavanagh

Group Members: Deborah Montgomery, Luke Han, Veronique Arseneau, Olena Chorny, Brenda-Dale McLean, Ryan Pendelton, Catherine Wong.

Our group was involved primarily with the construction of the camera obscura pavilion - a brick-vaulted structure overlooking the Bay of Fundy and the salt marsh adjacent to the site in Chéverie, Nova Scotia.

The egg-shaped pavilion is sheltered by three brick vaults. Two periscopes will be set in place, projecting the exterior views of the Bay of Fundy and the salt marsh into the pavilion.

This pavilion will be one component of an information center which is part of an overall plan to turn the salt marsh into a destination point for tourists.



Architecture

Salt Marsh Observatory
Camera Obscura Pavilion
Modular Bike Pavilion
Ferry Terminal
House I

Winter 2010

Client: Dalhousie University, Office of Sustainability

Office: @Lab (Archi-textiles Lab)

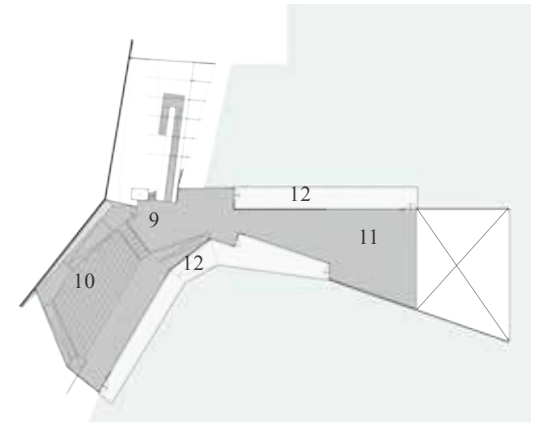
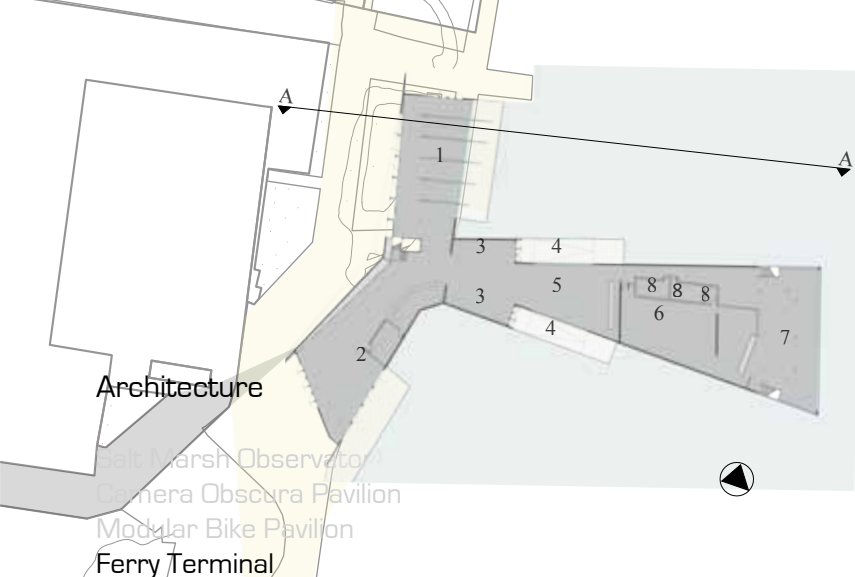
Design Team:

Professor Sarah Bonnemaïson
Professor Roland Hudson
Deborah Montgomery

This modular bike pavilion was designed at the request of the University's Office of Sustainability in order to promote sustainable transportation within and between Dalhousie University campuses. The pavilion was part of a proposed on-campus Bike Share program.

The bike pavilion incorporates a tensile canopy, which engages the principle of tensegrity for structural support. The steel structure frames the canopy and supports an optional mesh enclosure for added security and which also acts as a lattice for climbing plants. Benches create an inviting atmosphere for students to lounge.





Winter 2009

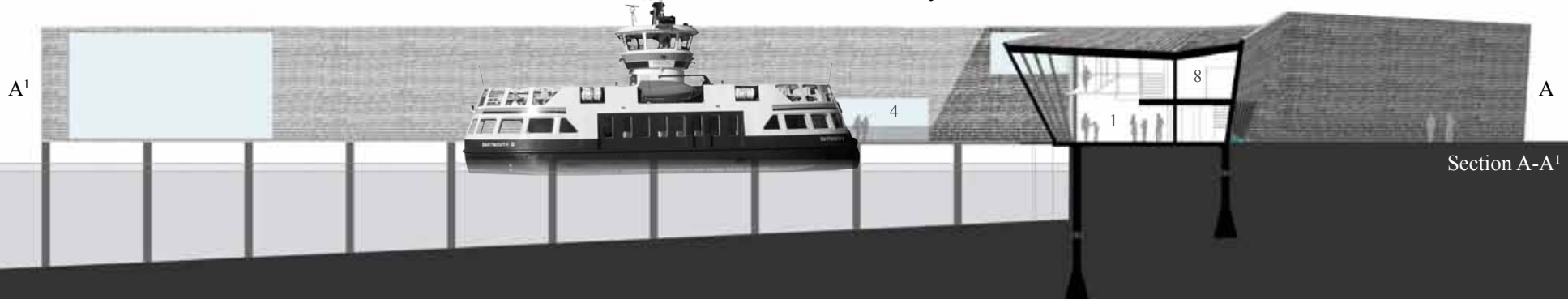
Academic: Design project.

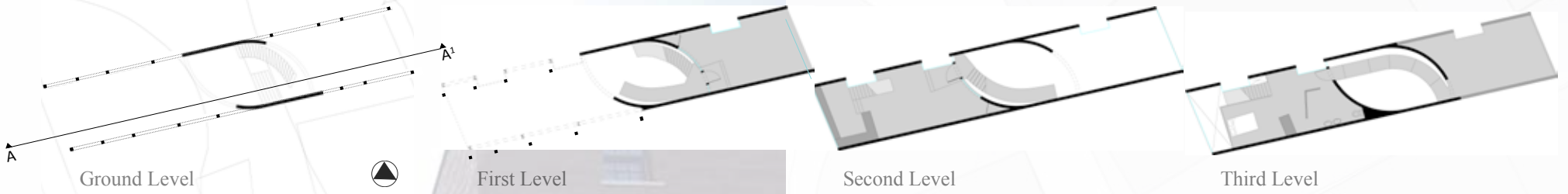
This project involved re-designing the existing Halifax Ferry Terminal and the addition of a new program. Halifax, having several large universities and numerous colleges, is home to a large student population. I think there is an opportunity for more interaction between students in different areas of study, the benefit being in collaboration and the cross-fertilization of knowledge between disciplines. My second program then involved designing spaces for an interdisciplinary student think tank. This organization would function as a studio for school credit where students engage in research and advocacy while developing and engaging in community-oriented projects.

The spaces for the think tank organization are located at third level, as they are not accessible to the public. Windows are placed to provide views of the harbour and the boardwalk, maintaining a visual engagement with the activity below.

Located at ground level are the most public spaces, with the market spaces and cafe located adjacent to the boardwalk. Portions of the wall open onto the boardwalk in summer days allowing passersby to move freely into and out of the building. Projecting outwards over the water are, in succession, the waiting/boarding area for the ferry as well as a bar and restaurant - which become a nightclub after hours. These spaces are slightly more removed from the boardwalk activity.

- 1. Market space.
- 2. Cafe/Seating area.
- 3. Ferry terminal waiting/ticket area.
- 4. Boarding docks.
- 5. Bar.
- 6. Kitchen.
- 7. Restaurant dining area.
- 8. W/C.

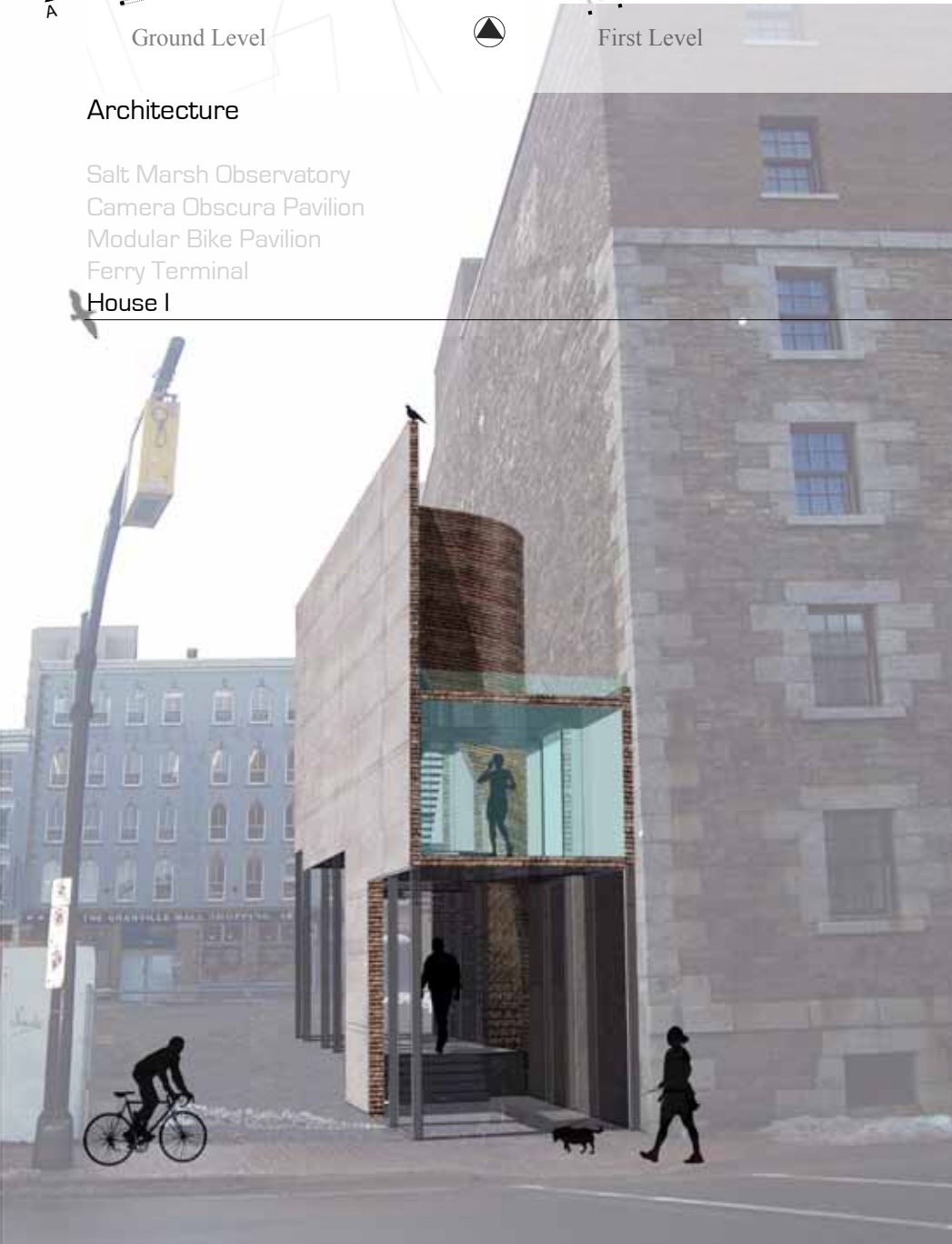




Architecture

- Salt Marsh Observatory
- Camera Obscura Pavilion
- Modular Bike Pavilion
- Ferry Terminal
- House I

Winter 2008



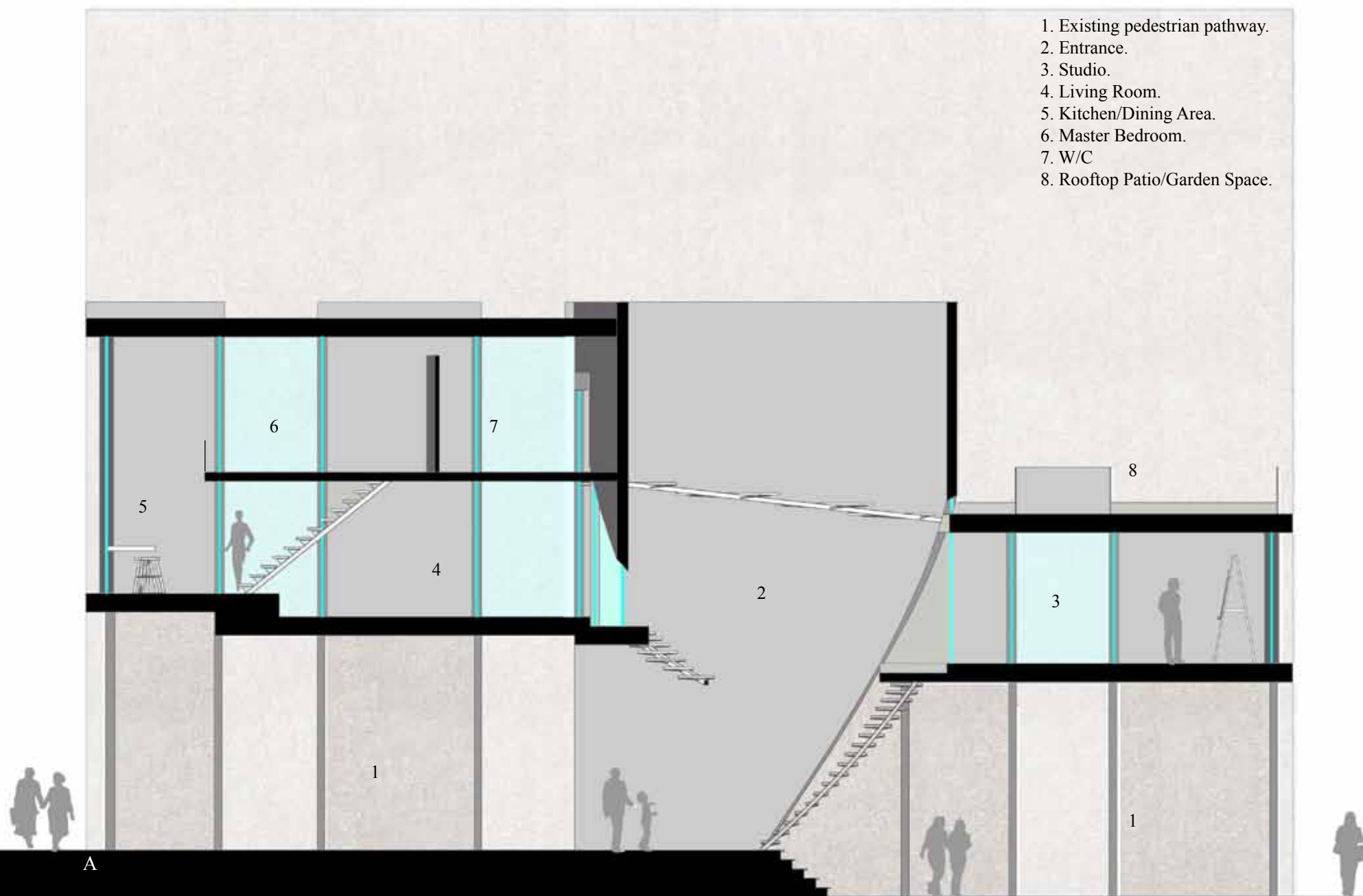
Academic: Design project

The requirements for this project were to design a house for a 5m x 25m site in downtown Halifax, Nova Scotia. The site is located between the Nova Scotia College of Art and Design (NSCAD University) and the Historic Properties on the Halifax waterfront. This house is designed for an artist-in-residence and includes a separate studio space.

In order to maintain an existing pathway connecting Historic Properties to NSCAD University, the house is raised off the ground. Two walls curve inwards to form an exterior atrium in the centre of the site - this is the entrance. Stairs rising up around the interior surface of the atrium arrive first to the studio space - which is open to the public - and then continue up towards the house. Receding from street level the spaces become increasingly private.

The exposed concrete facade is in consideration of the possibility for future development on the adjacent site.

- 1. Existing pedestrian pathway.
- 2. Entrance.
- 3. Studio.
- 4. Living Room.
- 5. Kitchen/Dining Area.
- 6. Master Bedroom.
- 7. W/C
- 8. Rooftop Patio/Garden Space.



Section A-A'

A

A'



Installations

FreeLab: Pathways

Structural Bay: Cantilevered Span



July 2008

Academic: Construction project.

Coordinator: Naomi Darling.

Group Members: Deborah Montgomery, Besheed Darvish, Amber Pesklevis, Anthony Godina, Monica Leung, Katie MacLeod, Paul Flude.

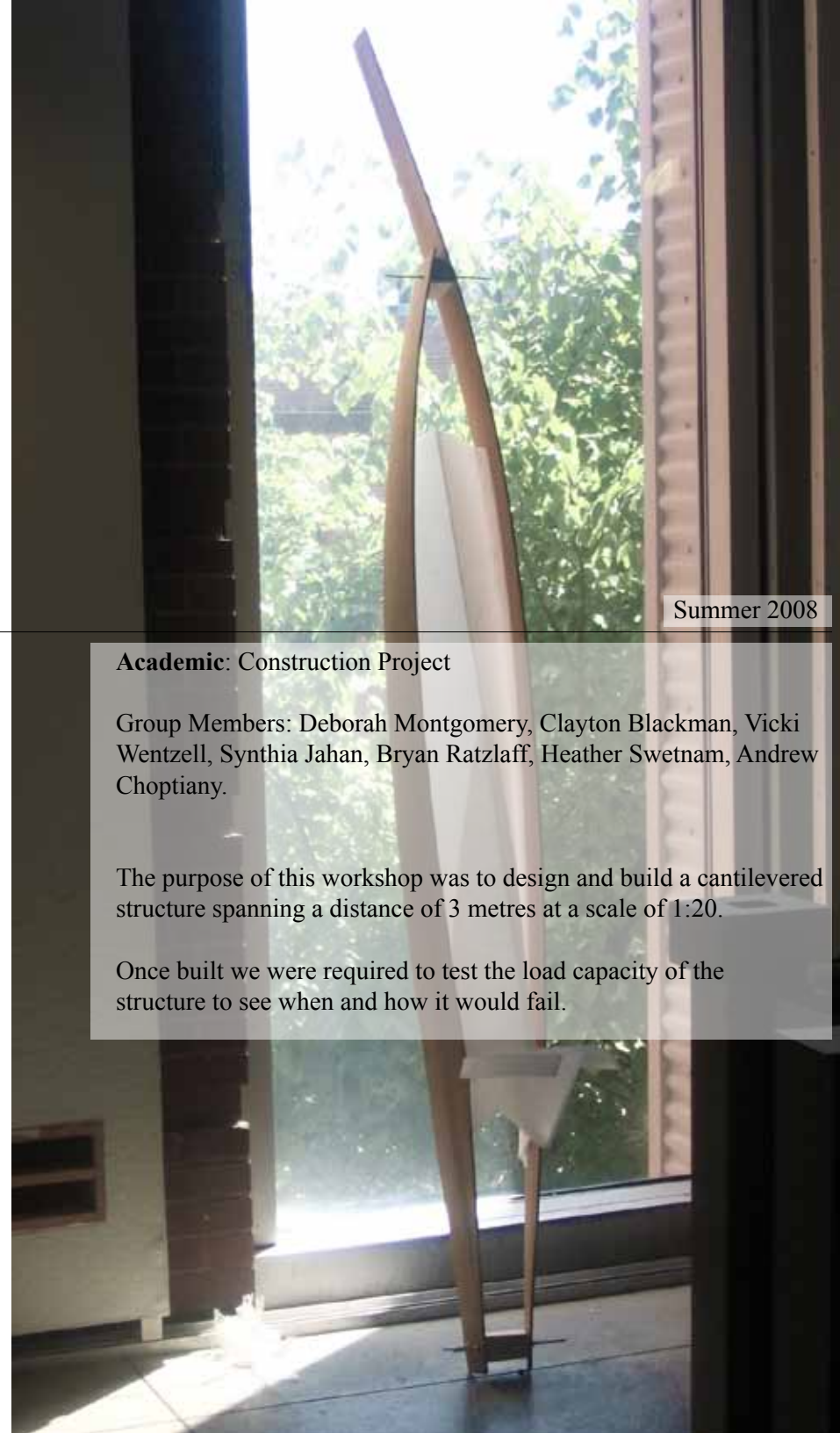
This group project involved the design and construction of an installation that would frame the pathway leading from the corner of Spring Garden Road and Queen Street to the front steps of the Dalhousie Architecture building in Halifax, Nova Scotia.

The installation was designed as individual panels connected to form a wall on either side of the pathway. The panels were intended to be re-purposed as studio dividers once the installation was disassembled.

Installations

FreeLab: Pathways

Structural Bay: Cantilevered Span



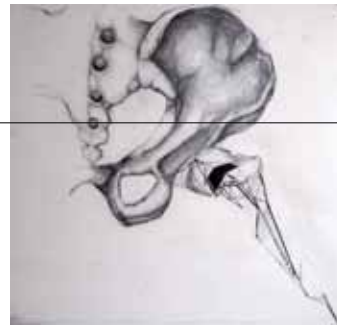
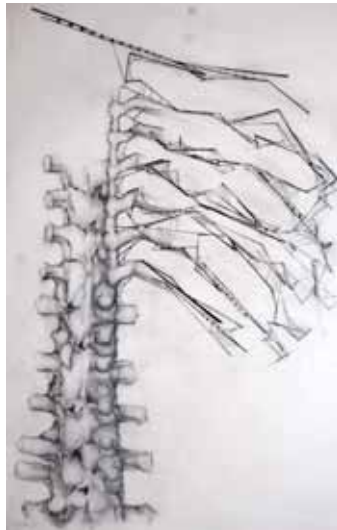
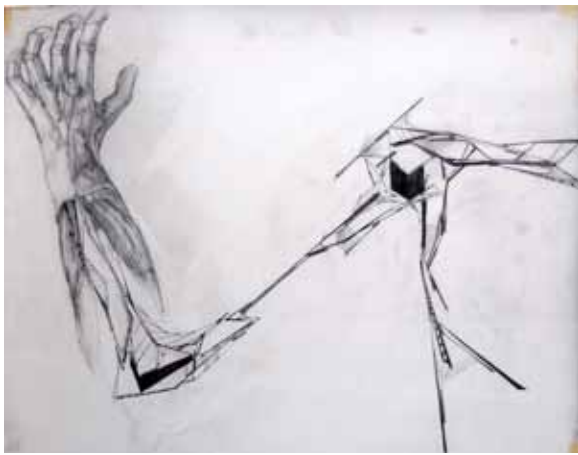
Summer 2008

Academic: Construction Project

Group Members: Deborah Montgomery, Clayton Blackman, Vicki Wentzell, Synthia Jahan, Bryan Ratzlaff, Heather Swetnam, Andrew Choptiany.

The purpose of this workshop was to design and build a cantilevered structure spanning a distance of 3 metres at a scale of 1:20.

Once built we were required to test the load capacity of the structure to see when and how it would fail.



Artwork

Business Casual Friday Art Show

Drawing

December 6, 2010

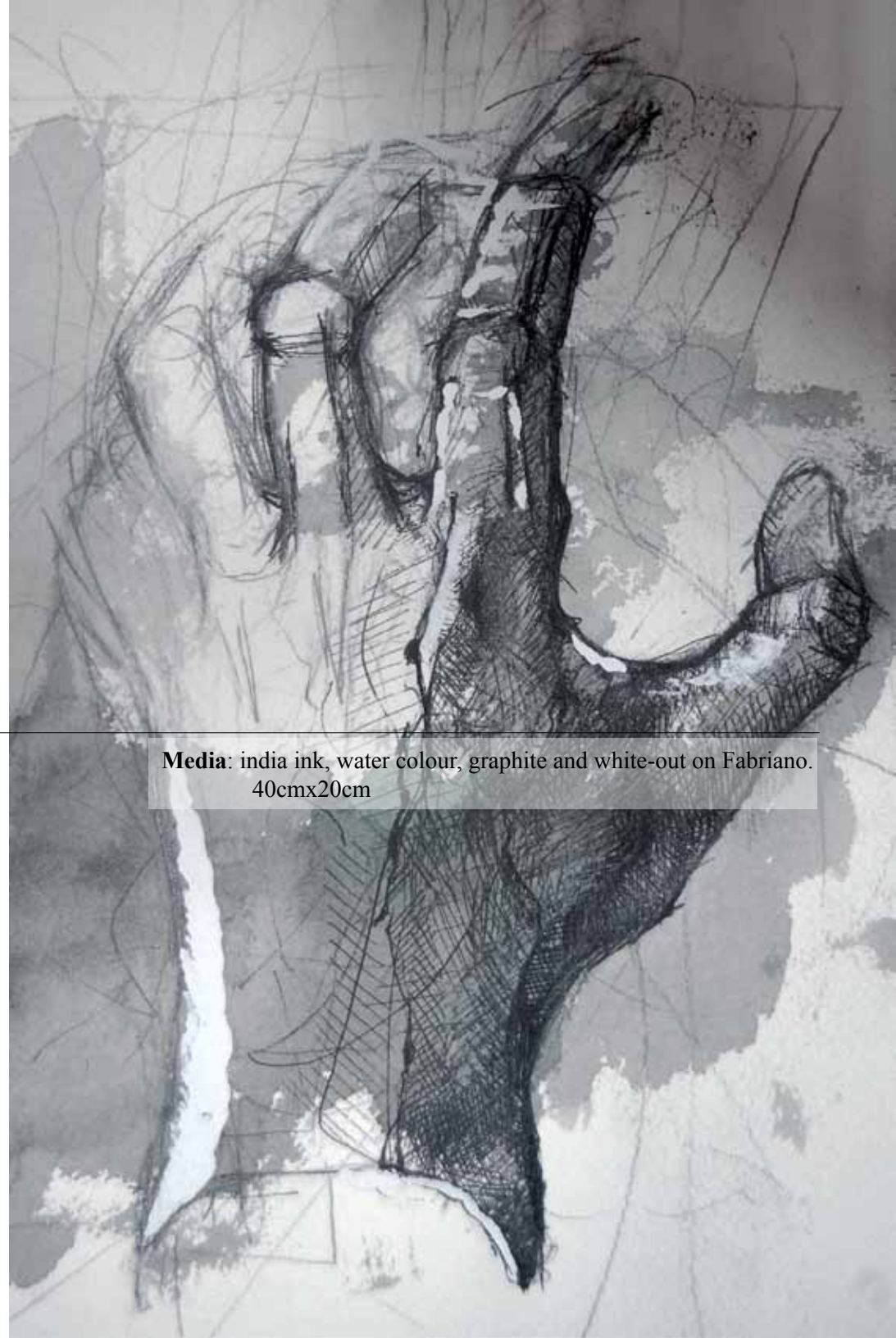
Location: Halifax, Nova Scotia

Artists/Coordinators: Deborah Montgomery, Chelle Wootten, Michael Peters, Angela Hill, Vince Vining, Brandie Ingraham.

Media: graphite and india ink on UV paper.
1.3m x 2.5m

Artwork

Business Casual Friday Art Show
Drawing



Media: india ink, water colour, graphite and white-out on Fabriano.
40cmx20cm



1



2



3

Jewelry

Rings

Fall 2010

1. Hollow Construction.
Sterling silver, 3mm emerald cabachon.
2. Hollow Construction.
Sterling silver, bronze.
3. Finger Armour.
Sterling silver and bronze.