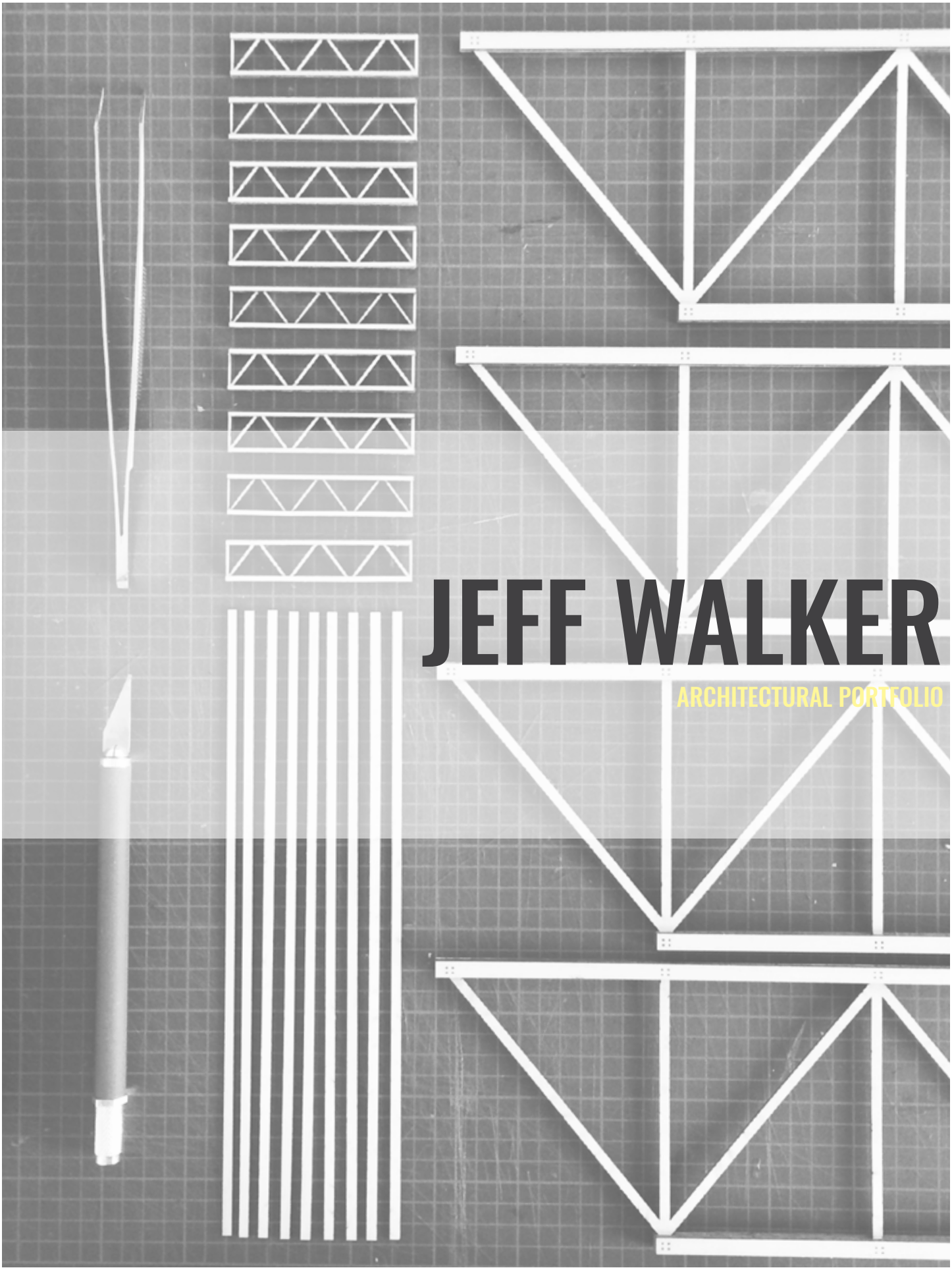

# JEFF WALKER

## ARCHITECTURAL PORTFOLIO

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# JEFF WALKER

## CONTACT


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## WORK EXPERIENCE

**2010 - 2015** **ZGF Cotter Architects** (formerly Cotter Architects) | Vancouver, BC
*Junior Technologist*

- Worked alongside senior staff to develop initial design ideas, and help to generate the design development and building permit sets.
- Coordinated with consultant teams to develop issued for construction drawings.
- Assisted sr. staff during construction administration by completing site reviews and responding to RFI's, while working closely with the consultant and construction management teams.
- Participated in inter-office design competitions.

## EDUCATION

**2015 - present** **Bachelor of Environmental Design**
Dalhousie University

**2015** **Extended Studies**
NSCAD University

**2014** **Bachelor of Arts**
Dalhousie University

**2008 - 2010** **Diploma of Architecture and Building Engineering Technology**
British Columbia Institue of Technology (BCIT)

## SKILLS

- *Auto Cad*
- *Sketchup*
- *Revit*
- *Kerkythea*
- *Adobe Suite*
- *Rhino*
- *Model Making*
- *CNC/ Laser Cut*
- *Sketching*

## PERSONAL INTERESTS

**Travelling**
Europe | Australia | New Zealand | Japan | United States | Mexico

**Sports**
Baseball | Basketball | Hockey | Golf | Volleyball | Football

**Photography**

**Hiking**

**Camping**

## AWARDS AND ACCOLADES

- Recieved the Dalhousie School of Architecture Year 3 Bachelors of Environmental Design Portfolio Prize for the 2015-2016 winter semester
- Completed Year 3 of the Bachelors of Environmental Design program as a Sexton Scholar for maintaining a GPA above 3.85

## REFERENCES

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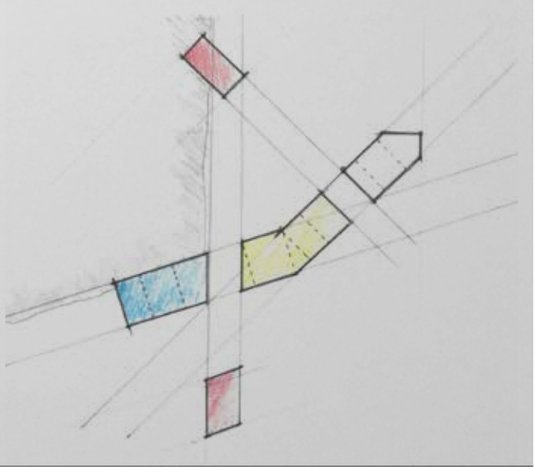
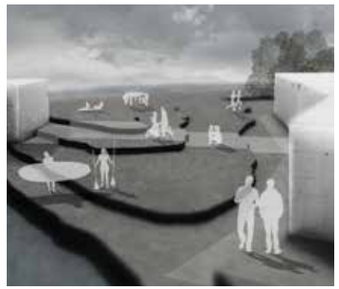
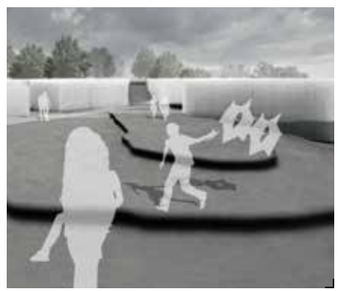
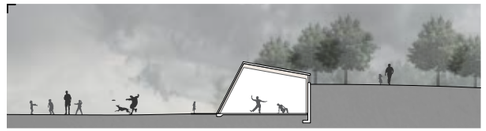
# DRAGON BOAT EAST (PROJECT IN PROGRESS)

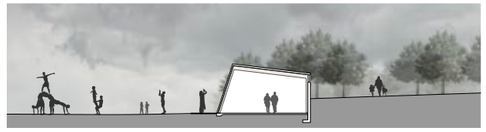
Located on the north end of Lake Banook in Dartmouth Nova Scotia, this dragon boat clubhouse serves as “hub” for the Dragon Boat East rowing club, in addition to being a platform for public engagement and providing access to the lake. The complex consists of 5 buildings that utilize the natural topography as a mode of form generation. Two dragon boat storage facilities are extruded from the main building mass, placing emphasis on the main programmatic activity, and the Dragon boat itself. The remaining three structures are nestled into the landscape, progressing programmatically from private to public. The form of these three buildings mimics the interior program by having an undulating façade and roof. The dynamic form focuses the inhabitant downwards and towards the water in the private boat storage building, and progressively lifts and opens up as you move towards the community building and festival space.

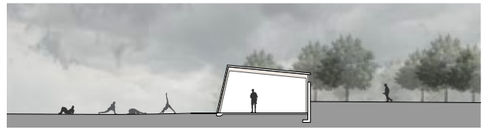


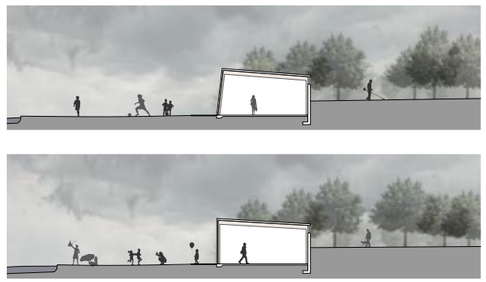


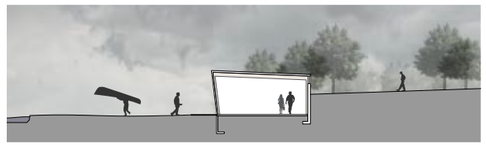


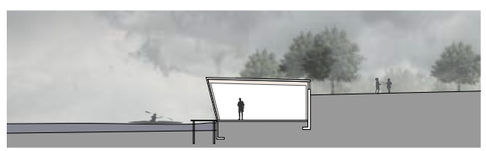


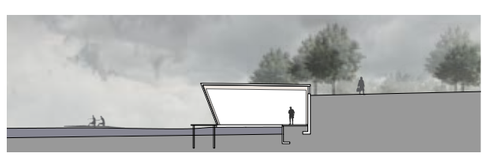


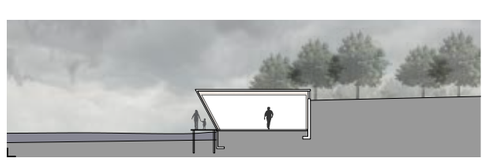


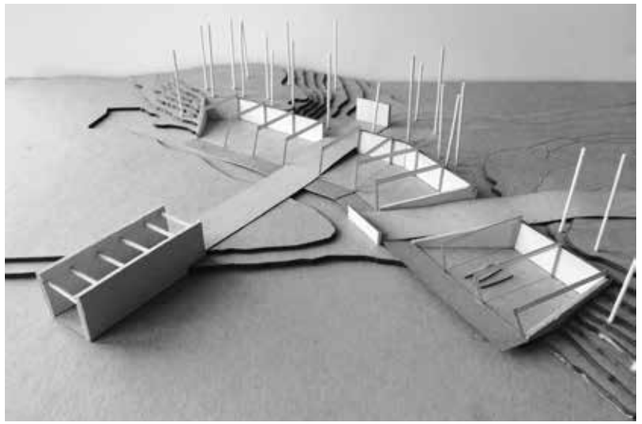


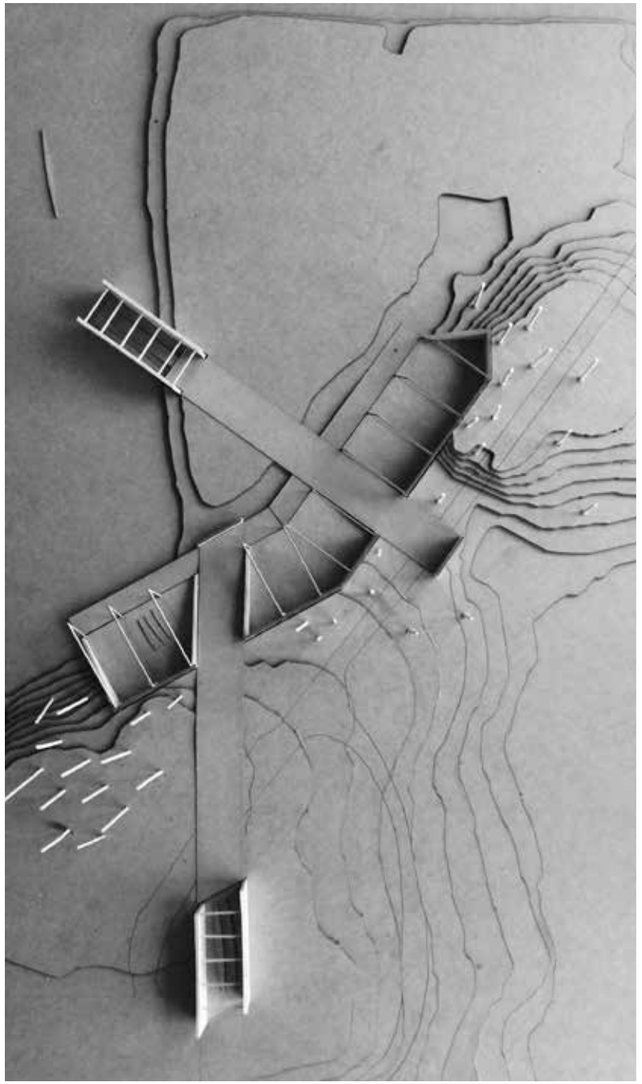






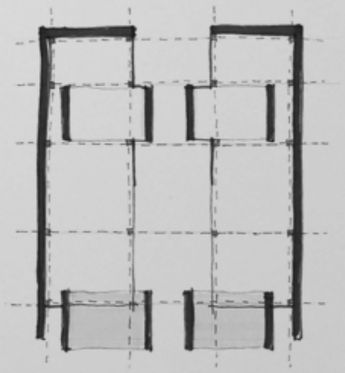


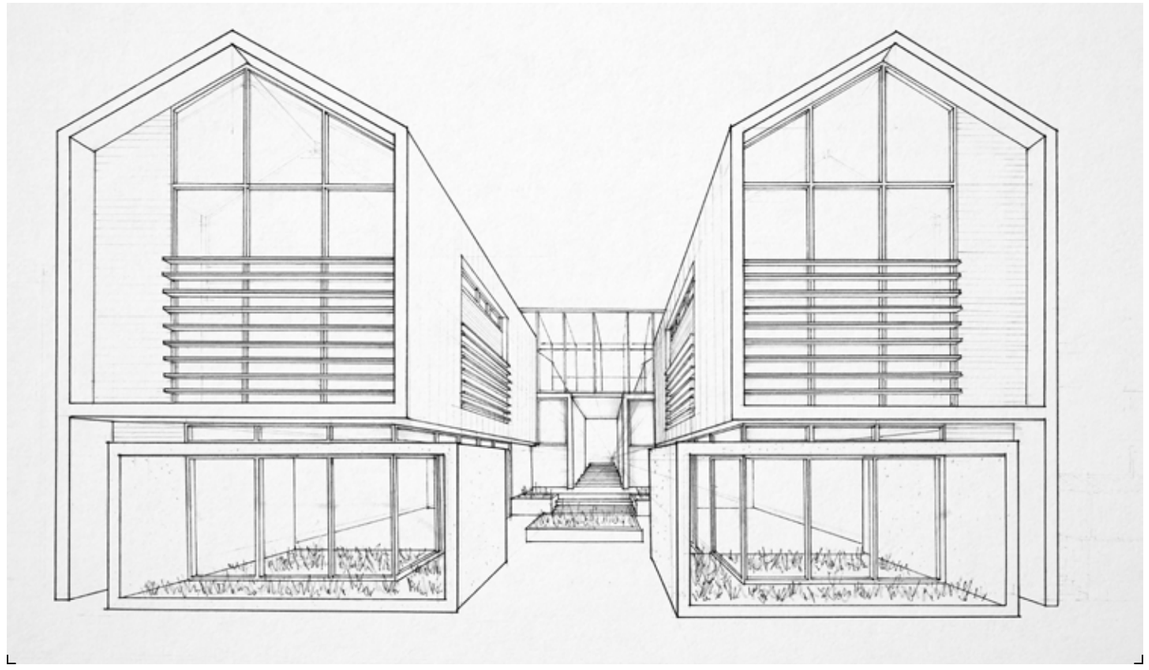


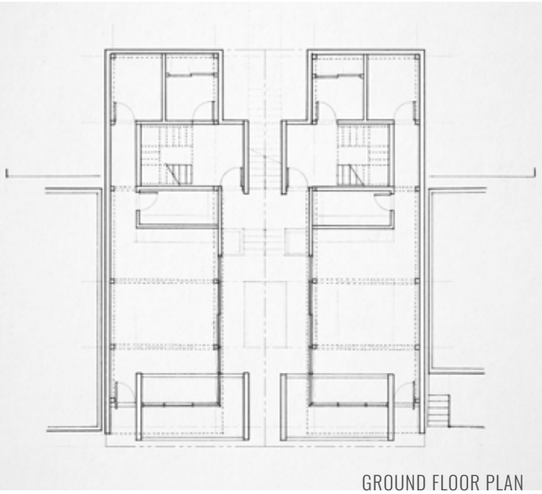


# 59 + 61 MONTAGUE STREET

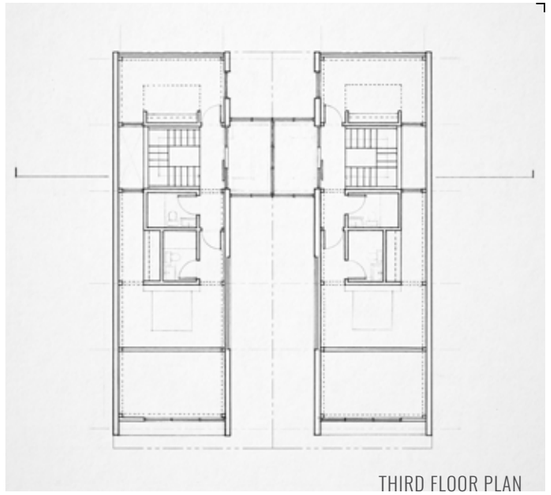
Located within the “food” precinct of Montague Street in the historic town of Lunenburg, Nova Scotia, these two residences serve as educational platforms for food production within an urban context. Due to the climatic context, the building designs stemmed from the idea of being able to grow food all year, both inside and outside. This idea was then carried through the residence by introducing “living” elements as focal points to the interior spaces. The houses are organized on a 2’x4’ programmatic grain with a central service core running through the building, and circulation circumventing it on either side. The outdoor space is located between the two residences, creating a pedestrian thoroughfare that connects Montague St. up to Pelham St. The traditional gable forms of each residence are constructed of heavy timber framing with a standing seam zinc envelope. Two stereotomic concrete elements are inserted into these traditional forms, grounding them to the landscape. These buildings intend to not only fit within the existing Lunenburg fabric, but also respond to the current cultural milieu, and advocate for local and independent food production.



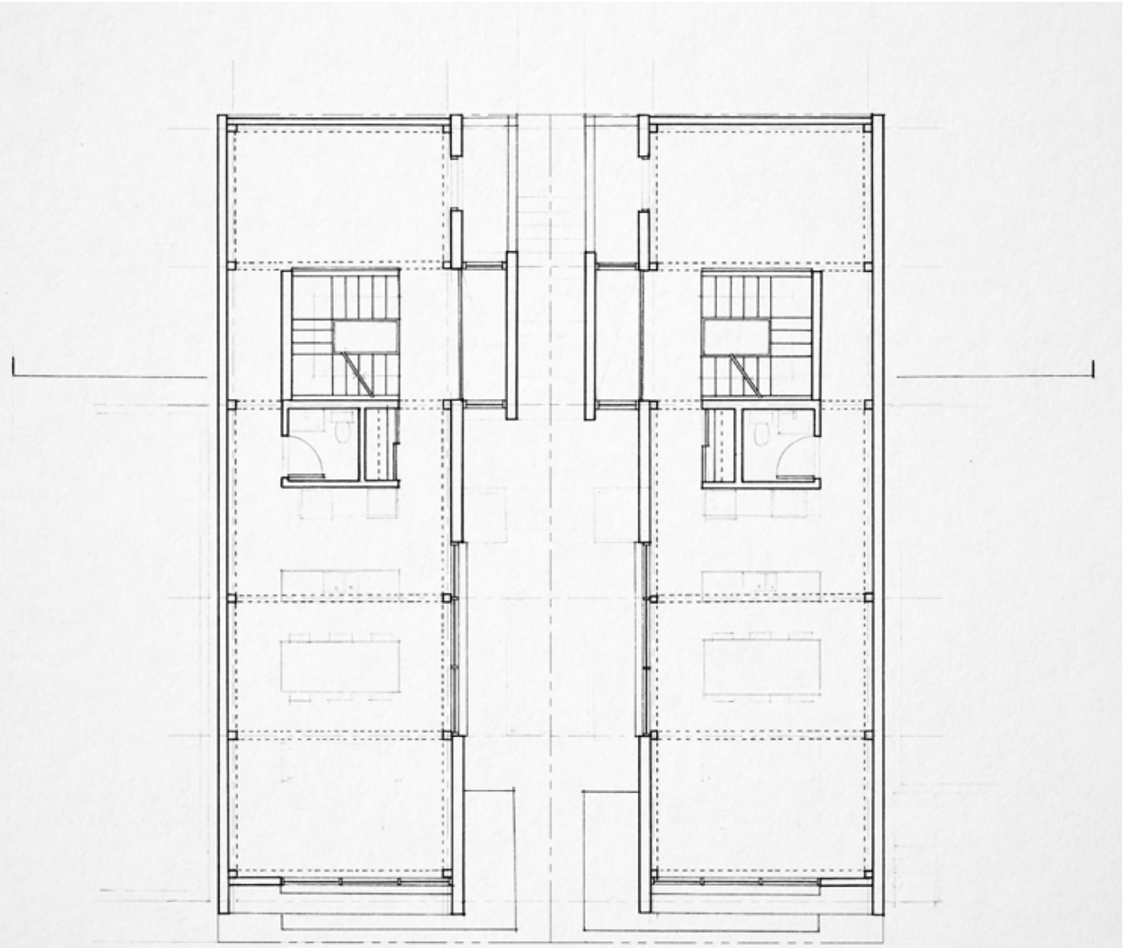




GROUND FLOOR PLAN

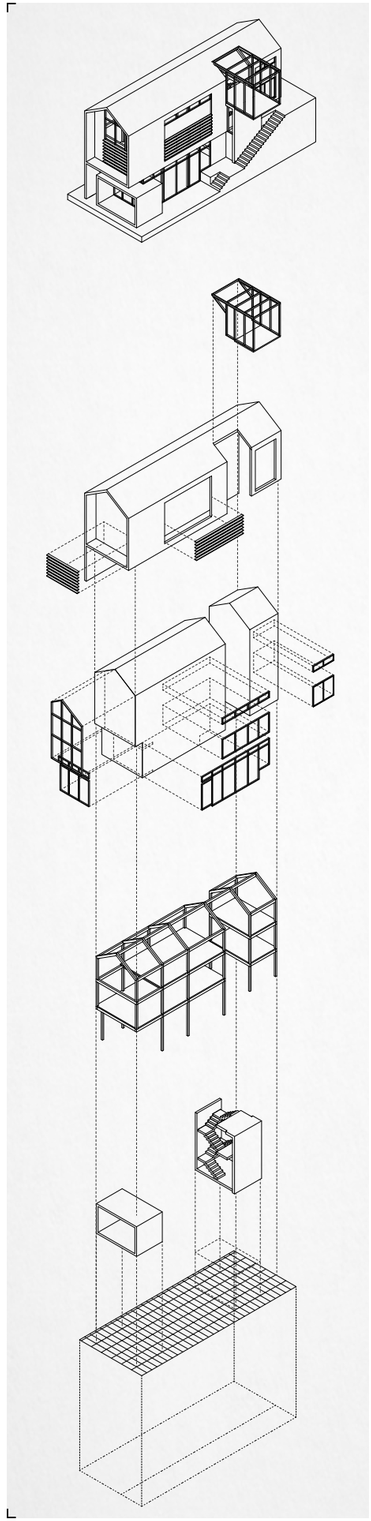


THIRD FLOOR PLAN



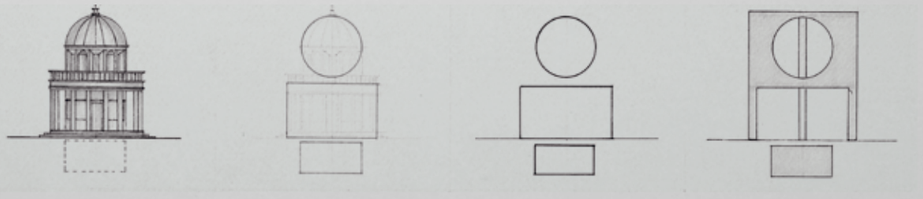
SECOND FLOOR PLAN



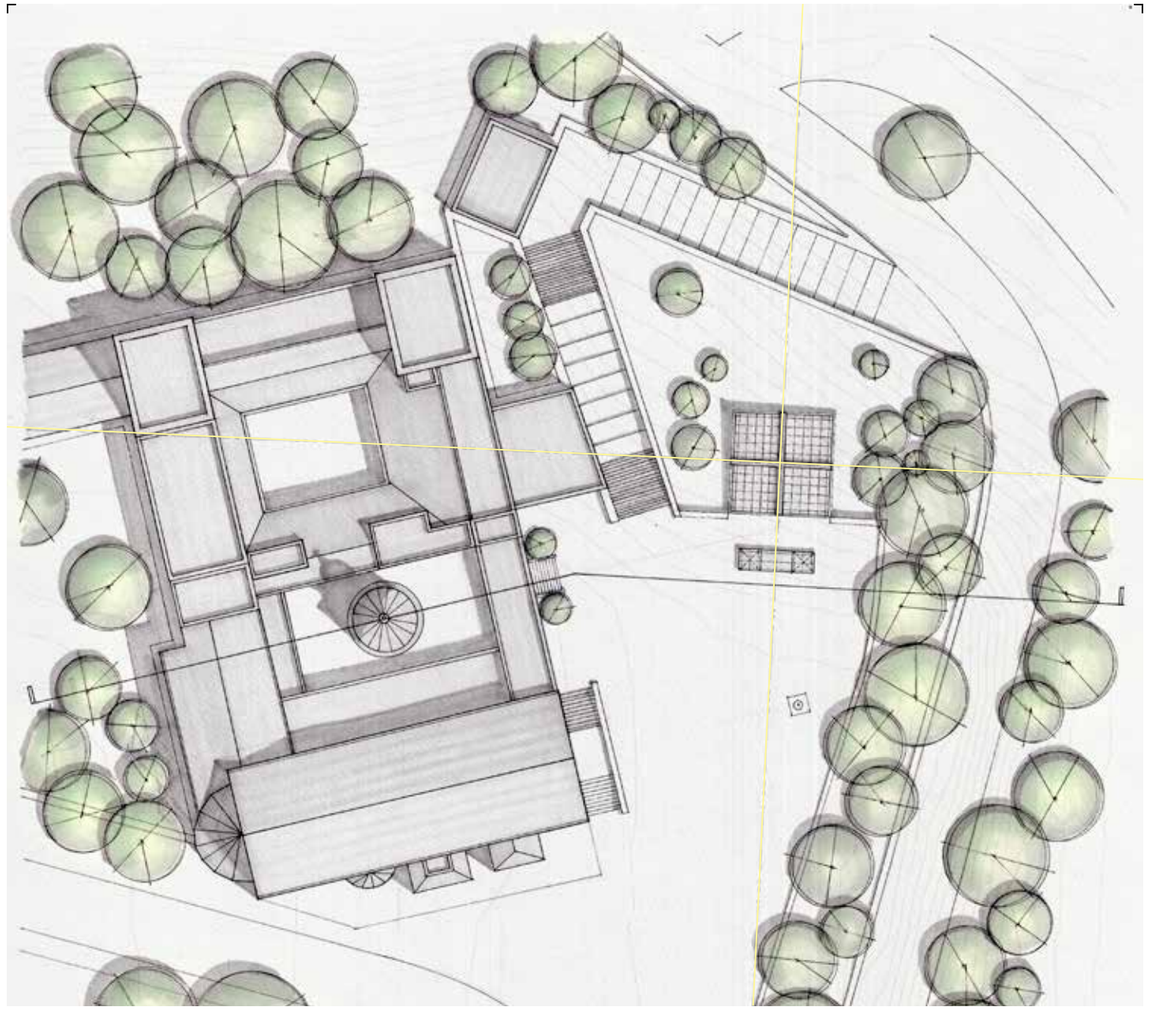


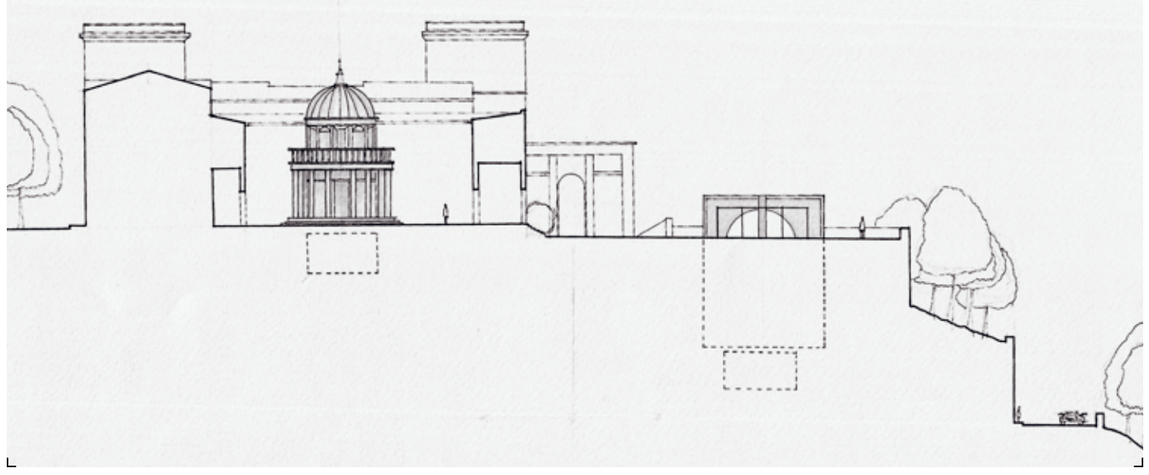
# **TEMPIETTO** COUNTERPOINT

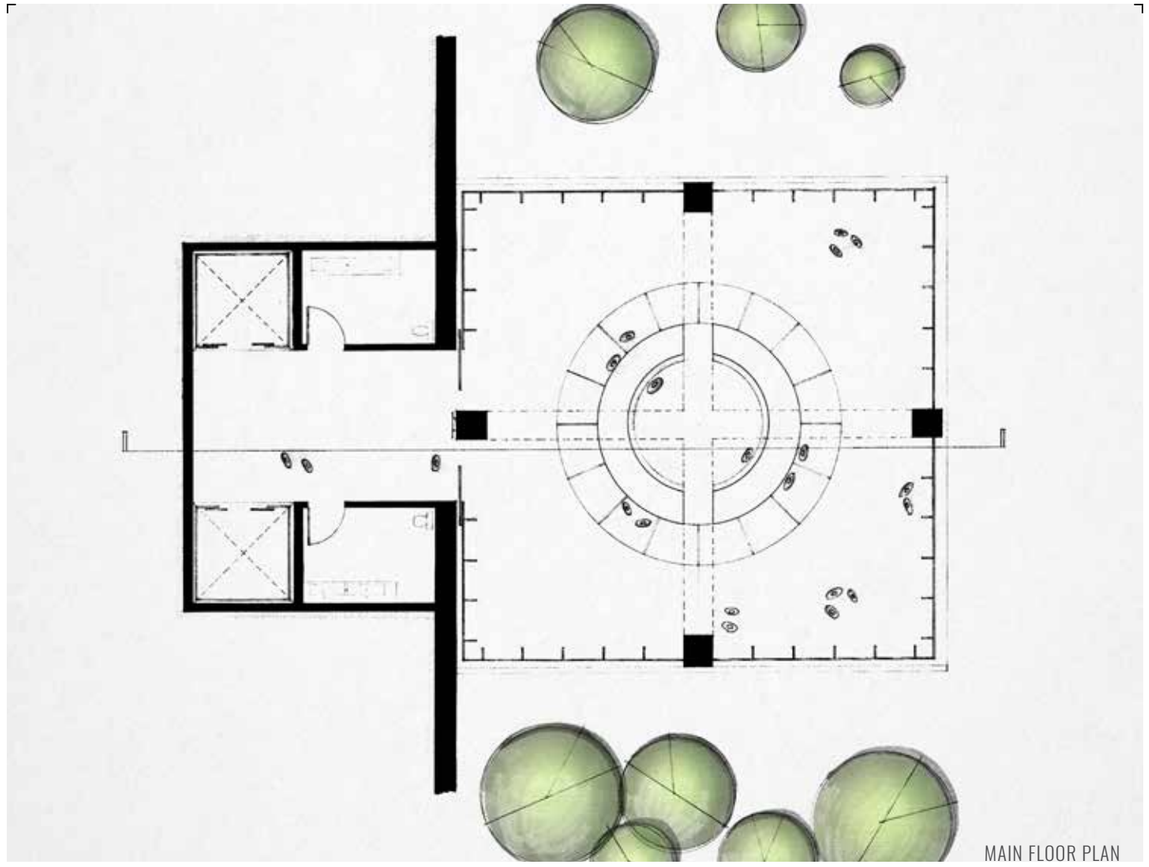
Located on the outskirts of Rome, in the Piazza di San Pietro this counterpoint pavilion and wine bar was designed as a response to Bramante's great work, the Tempietto. The space responds to the Tempietto's geometric principals by extracting and using its pure geometric forms to generate the pavilion's mass and structure. As one approaches the site from either direction, they are presented with a unique view of the building, however, the relationship to the Tempietto remains unclear. Once the Tempietto has been viewed and one leaves the cloister in which it is housed, the user is presented with an alternate view of the pavilion that references what has just been viewed. The structure consists of two concrete fin walls that intersect at the buildings centre. The skin of the pavilion is composed of structural glass panels and fins. The pavilion is located and designed to entice people in and inspire conversation about art, architecture and Rome's great cultural achievements while enjoying an elevated panorama of Rome and a glass of wine.



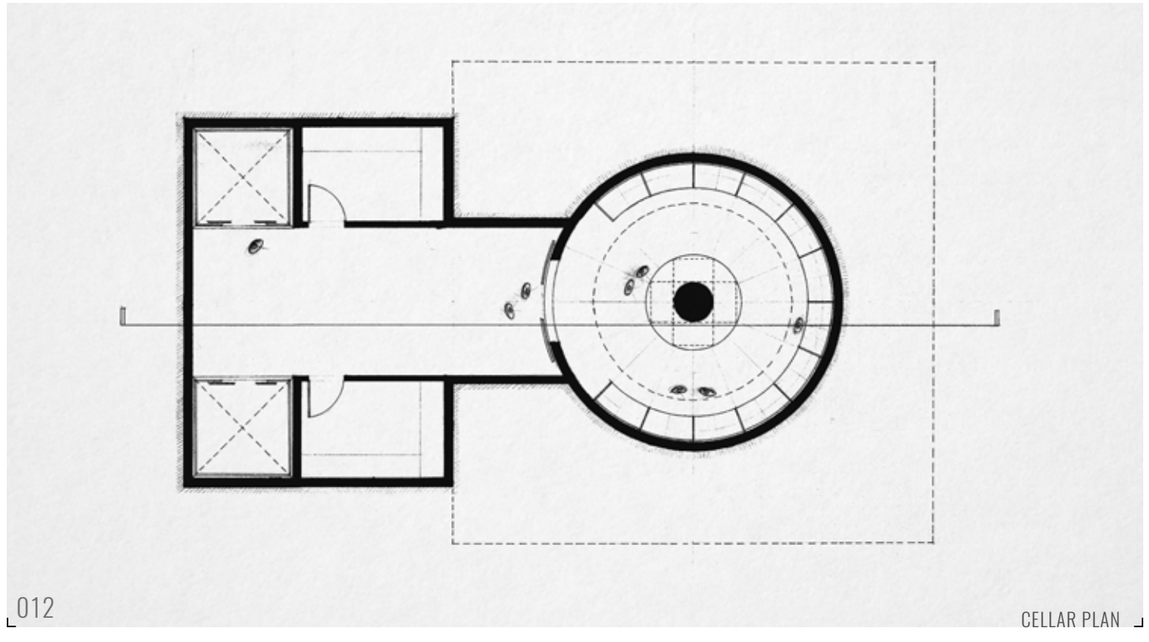






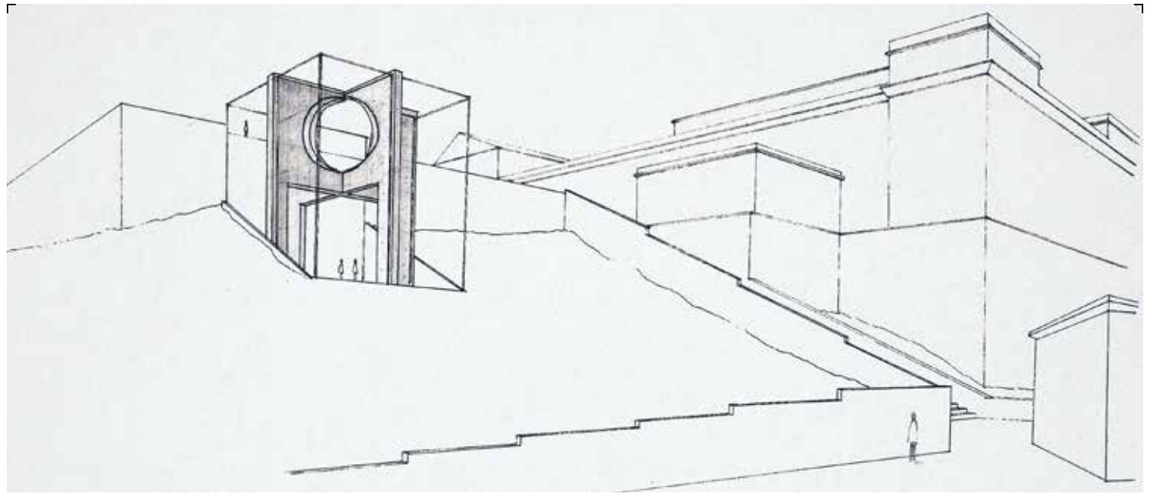


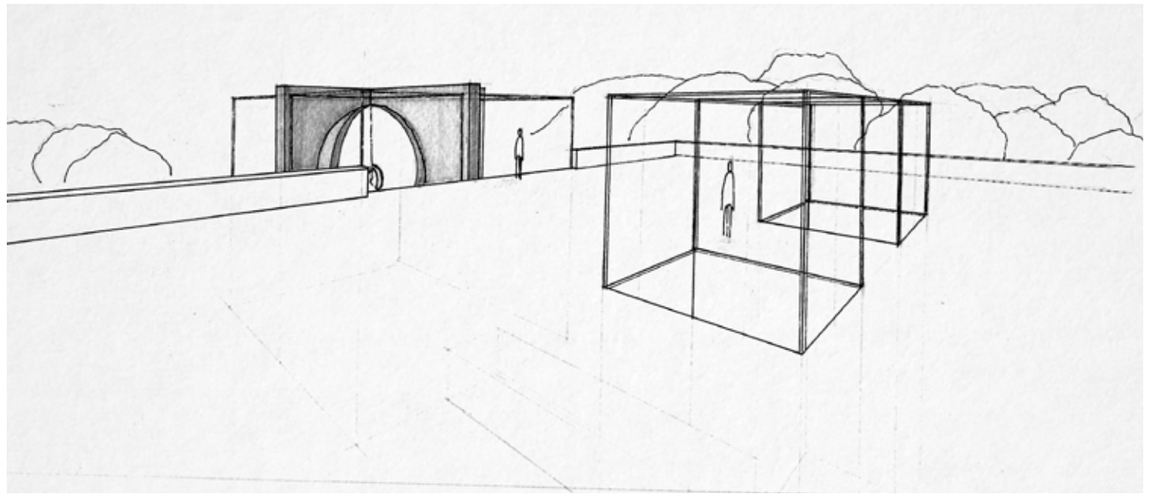
MAIN FLOOR PLAN

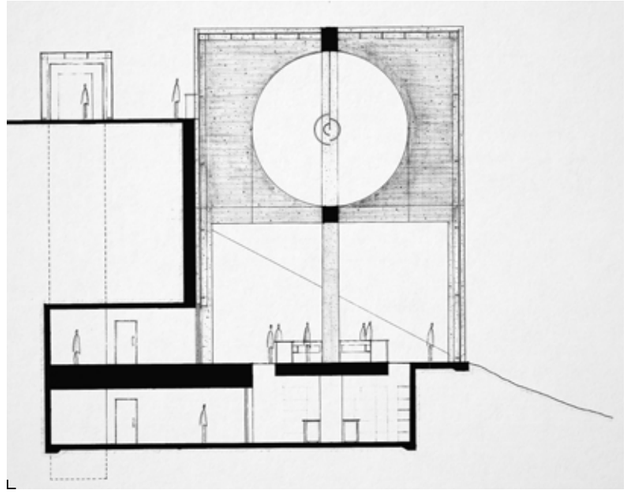


CELLAR PLAN



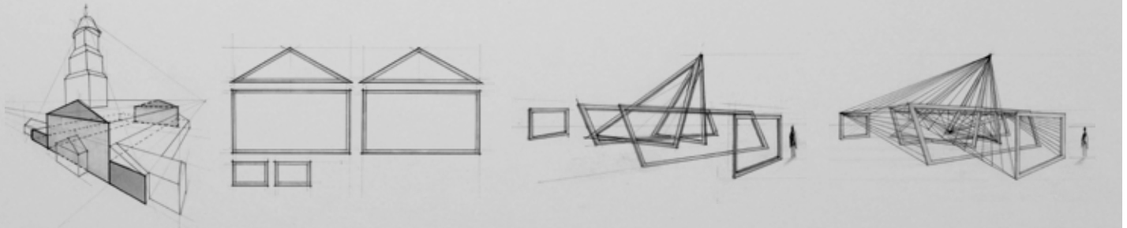




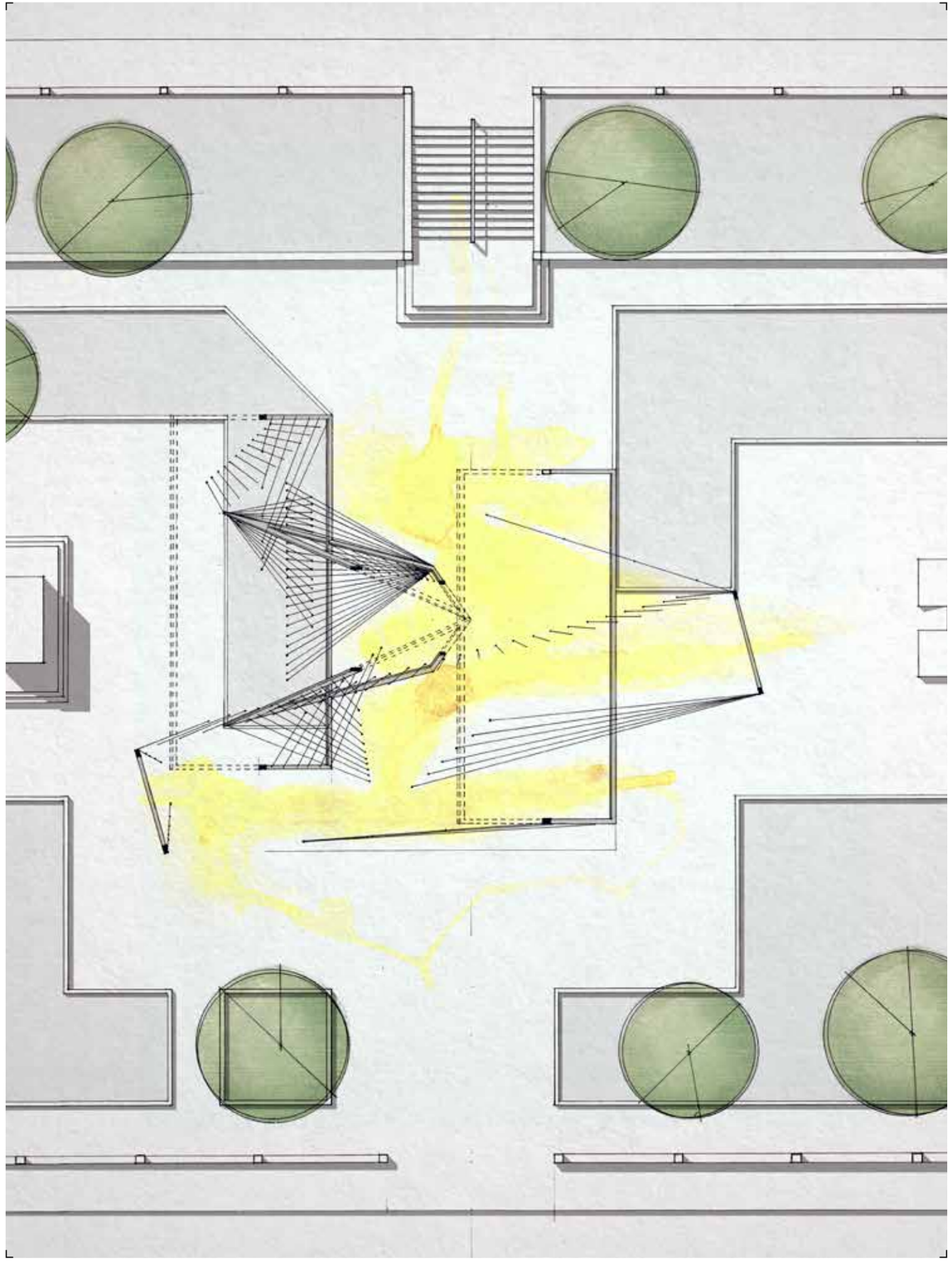


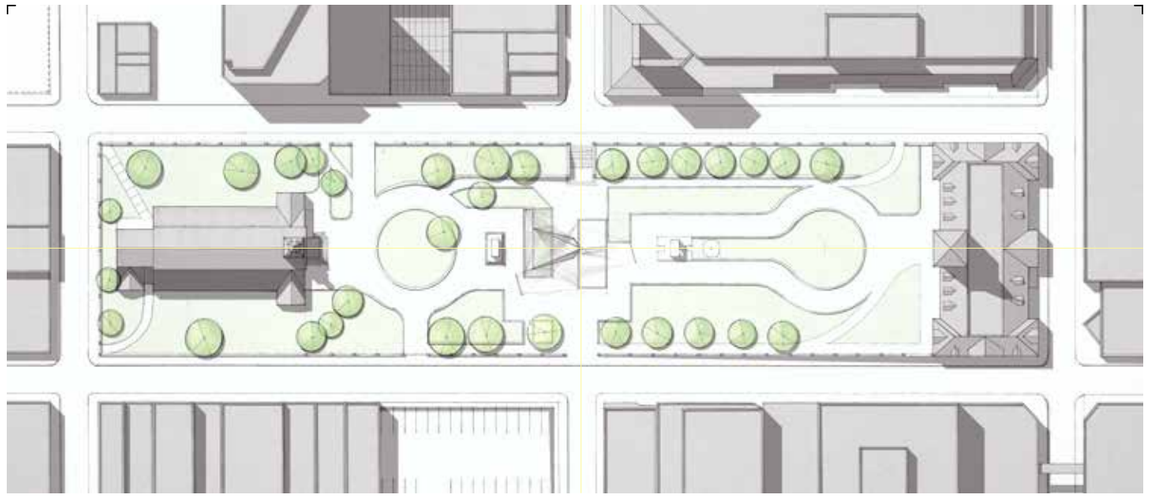
# THE STRING PAVILION

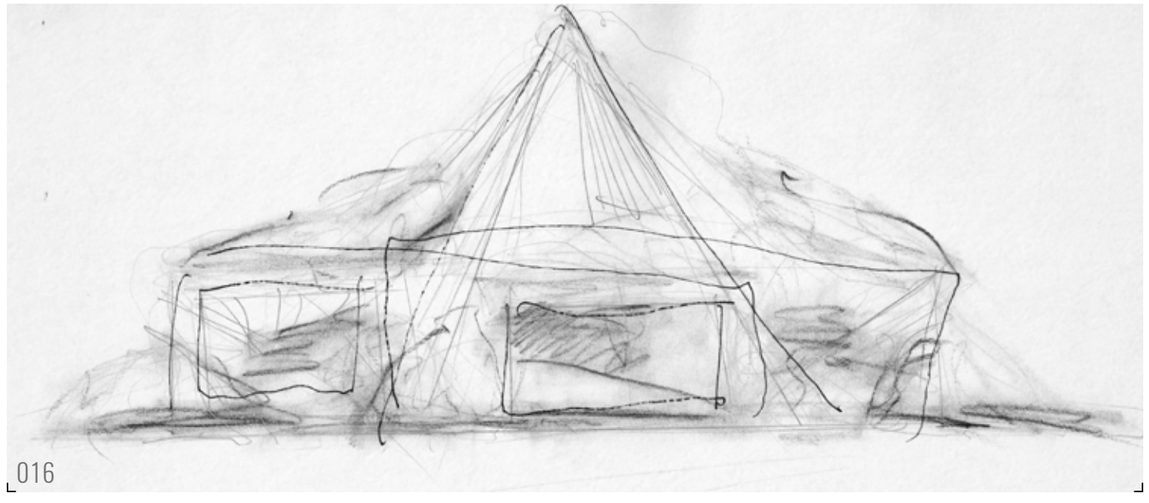
The string pavilion is a climbable tensile structure designed in response to Halifax's Grand Parade. The pavilion sits along the centre axis of the parade as a metaphorical mediation tool between Halifax city hall and St. Pauls Anglican Church. The intent of the project was to create a stimulating and playful connection between Barrington and Argyle streets that beckons children and adults alike to climb its walls and appreciate the city from an elevated vantage point. The form of the pavilion was derived from analyzing the two aforementioned buildings, Halifax city hall and St. Pauls Anglican Church. A "kit of parts" was created using these buildings geometry and then applied to the pavilion as its main structural components.  Layers of tensile rope and cable were applied to generate an intentional route through the space, while also creating spaces for rest and relaxation.

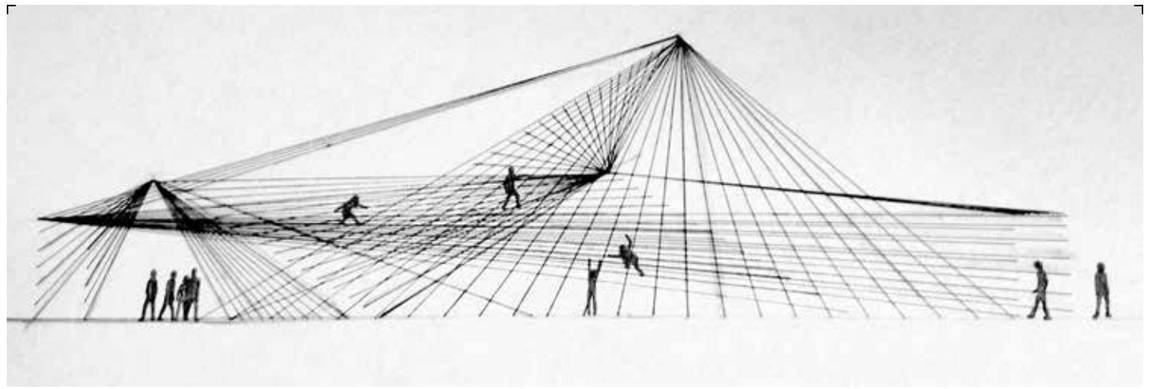


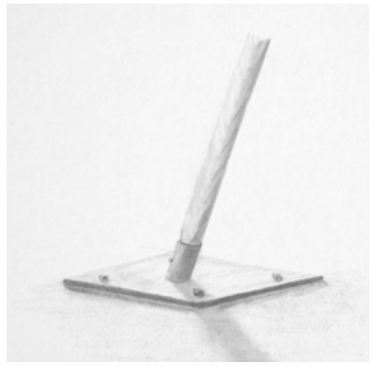


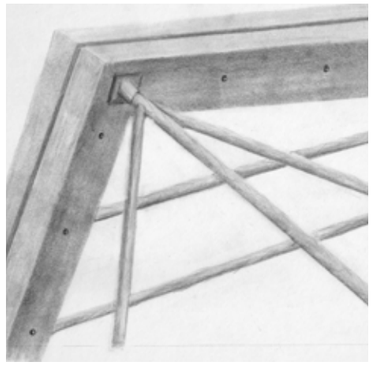


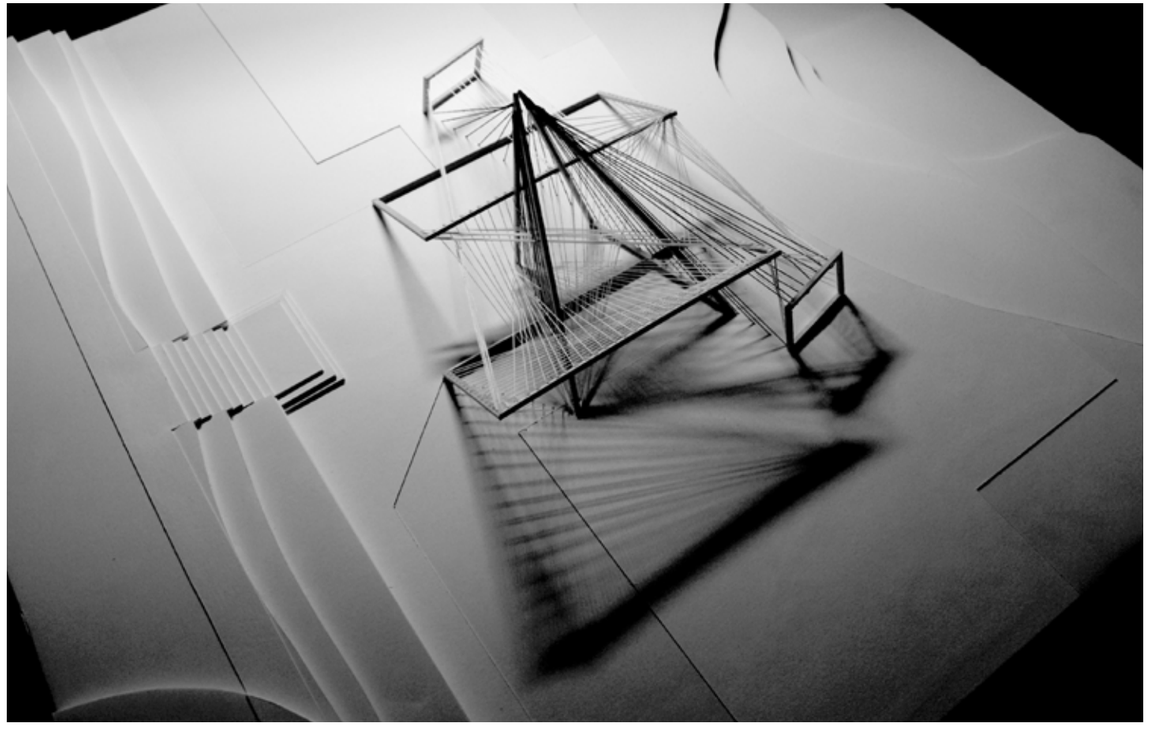






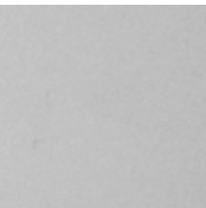


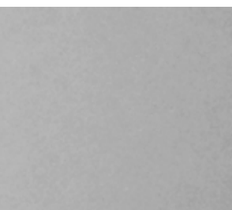


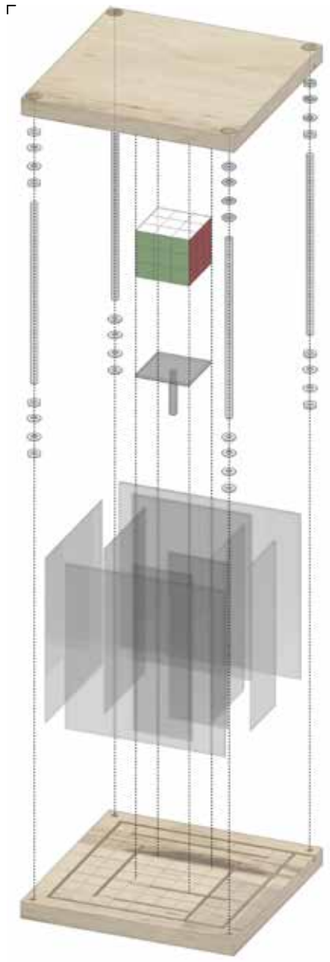


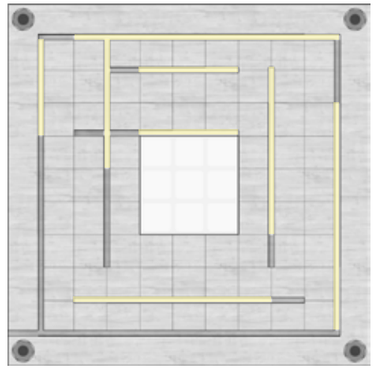
# THE CONTAINER PROJECT

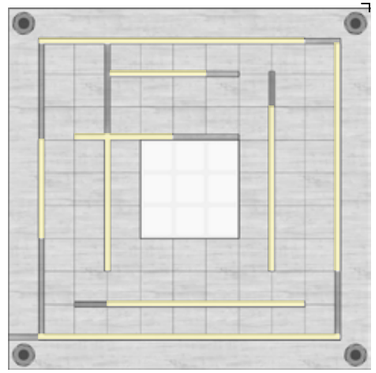
The idea behind this container design project was to study a object, whether it was personal or not, and develop a space in response to its function and form. I chose to contain a rubik's cube, not only for its unique funtional properties, but also for its complexity, and the thought that is needed to solve it. The design thesis for this container stemmed from the idea of "a game within a game", and having to solve the container in order to retrieve its contents. The container consists of a series of sliding partitions that if slid in the correct sequence will reveal an opening large enough to remove the rubik's cube from its pedestal. The form of the container was inspired by the rubik's cube. The containers width, length, height and overall proportions are all divisible by one cube (3/4" x 3/4" x 3/4") from the overall rubik's cube. The layout of the partitions were all based on a 9-grid system, which relates to the number of cube faces per side of the overall rubik's cube.







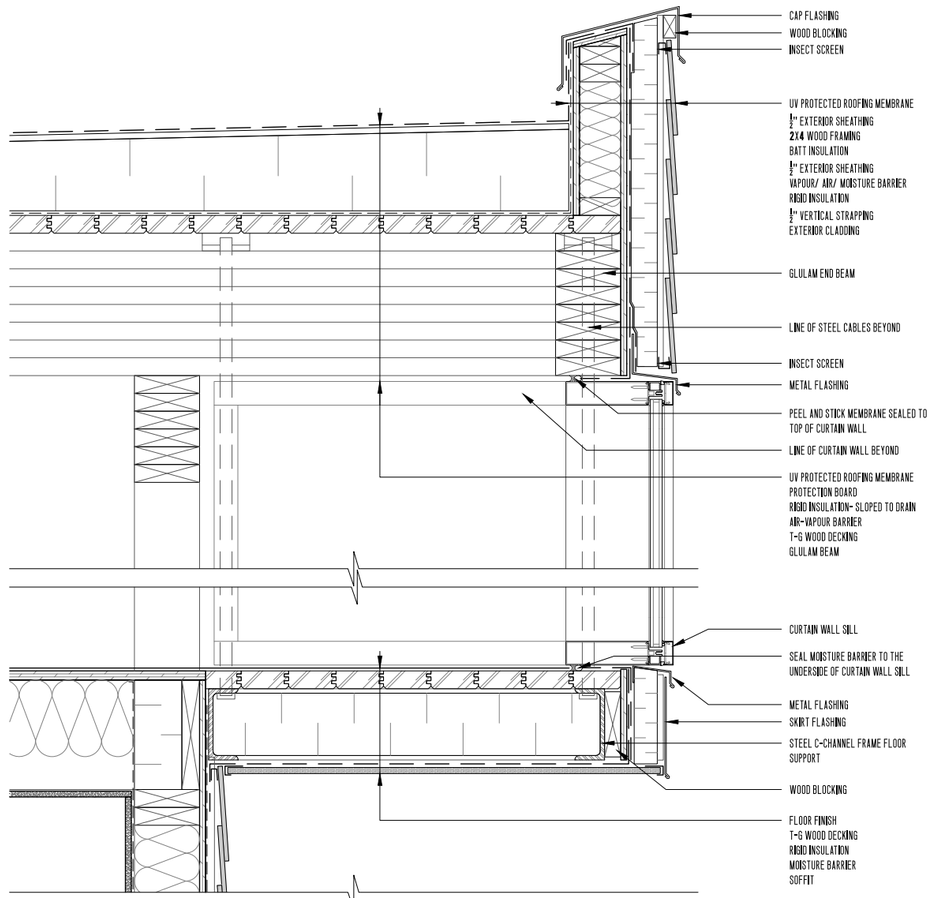




*These plans represent the puzzle container in its original position, and the final completed positition where the rubik's cube would become attainable.*

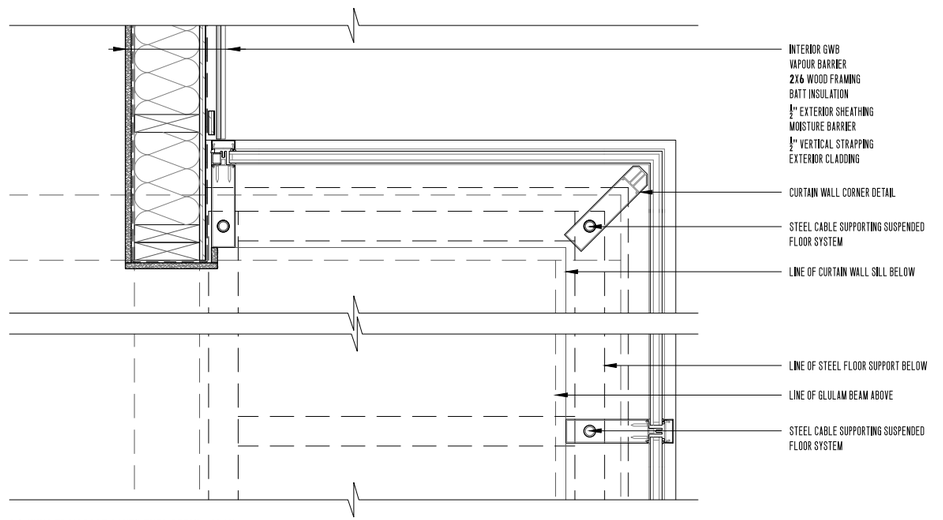
# CONSTRUCTION & DETAILING

A series of school directed projects where the development of construction details was required in order to help visualize the project in its completion. The first project was an exploration of a cantilever condition where a steel floor was hung from a cantilevered glulam structure above. The design goal for this detail was to explore a means of creating a floor cantilever without increasing the floor depth/ profile. The second project was a study of a given building aperture. The roof monitor we created was envisioned in a small cabin in the woods where someone would climb up to an elevated sleeping platform where they would effectivley inhabit the aperture. The window would open up allowing light, views and natural ventilation out to the landscape.



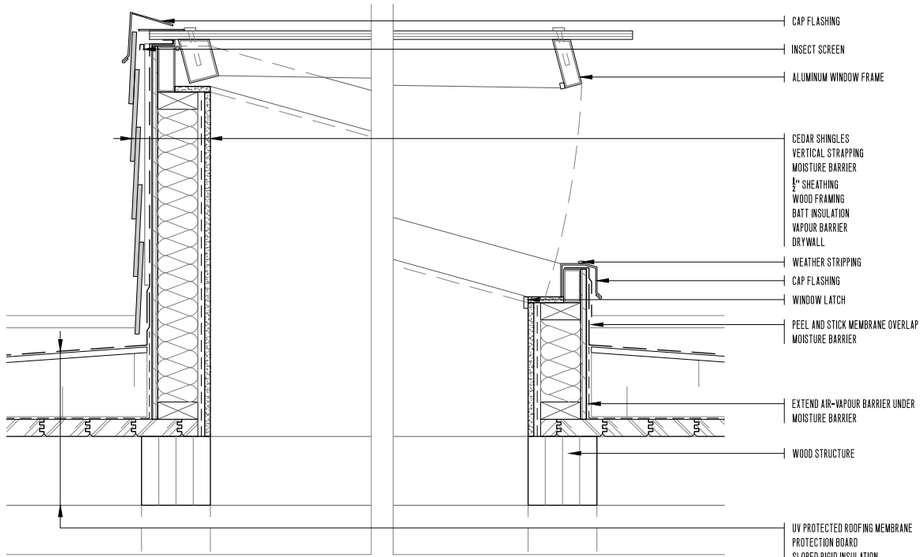

**1 |** HUNG FROM ROOF CANTILEVER DETAIL- SECTION

SCALE : 11/2"=1'-0"

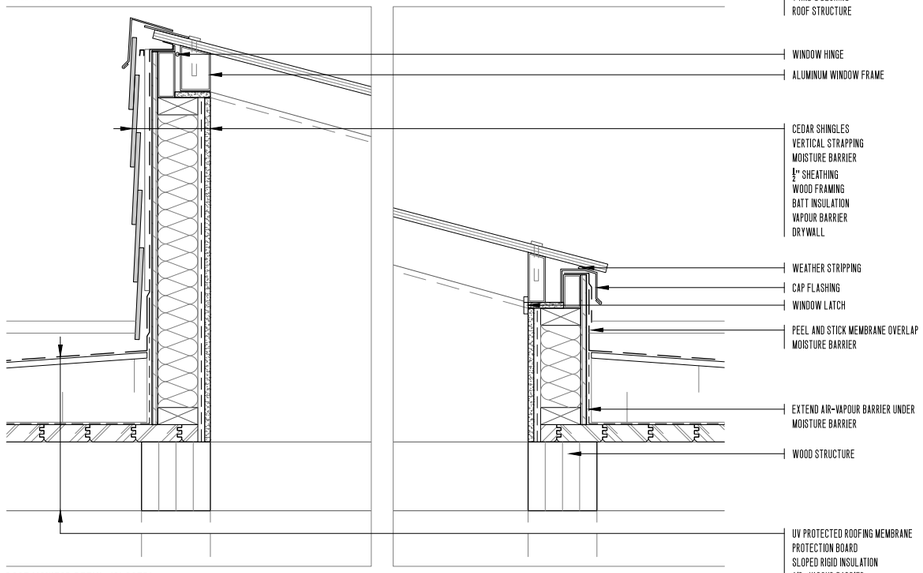



**2 |** HUNG FROM ROOF CANTILEVER DETAIL- PLAN

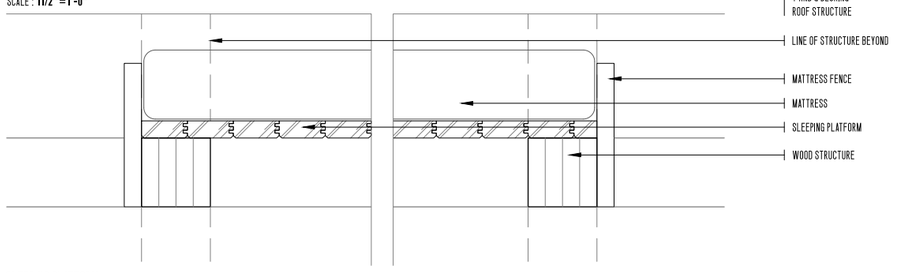
SCALE : 11/2"=1'-0"




ROOF MONITOR DETAIL (OPEN)
SCALE : 11/2" = 1'-0"



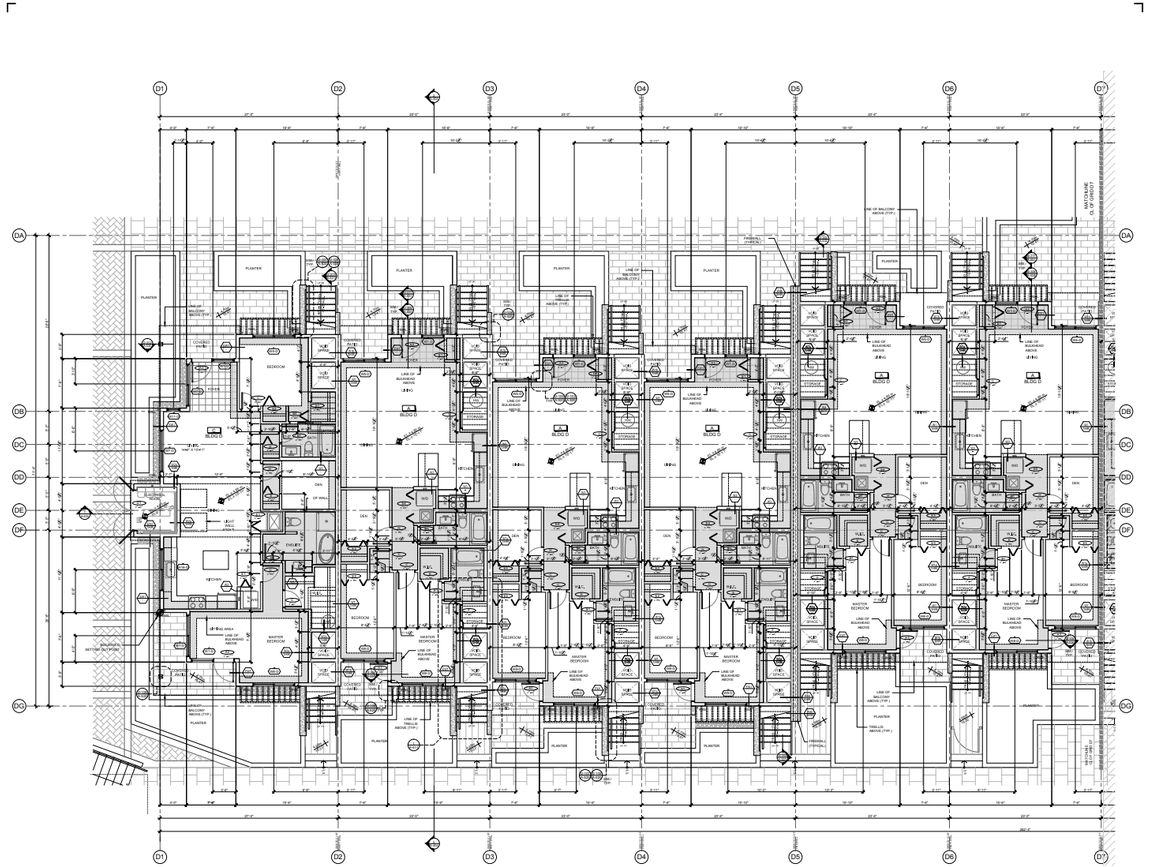

ROOF MONITOR DETAIL (CLOSED)
SCALE : 11/2" = 1'-0"

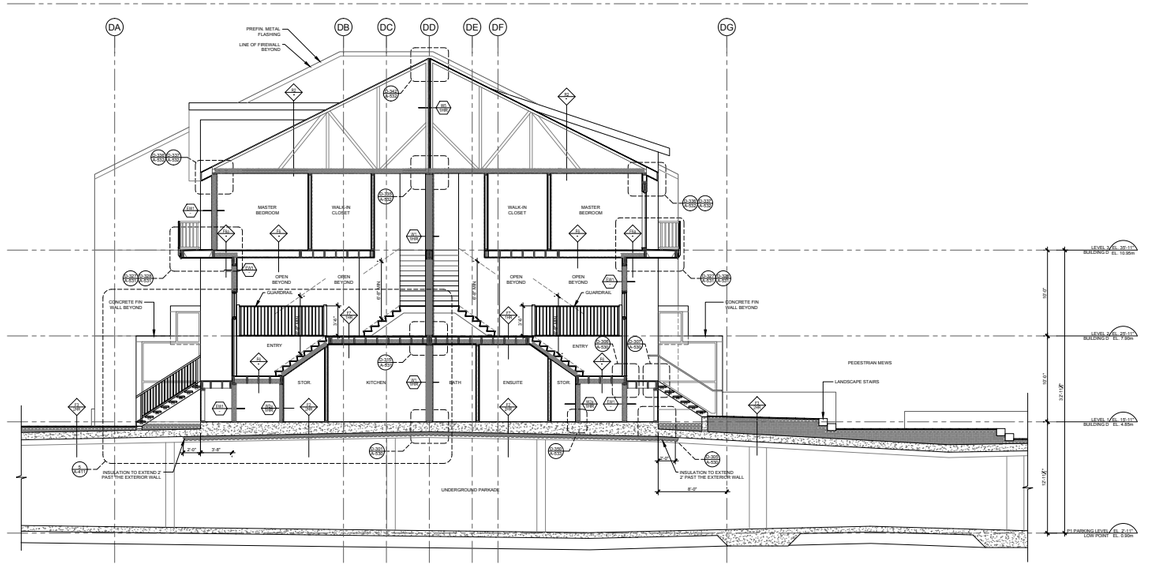


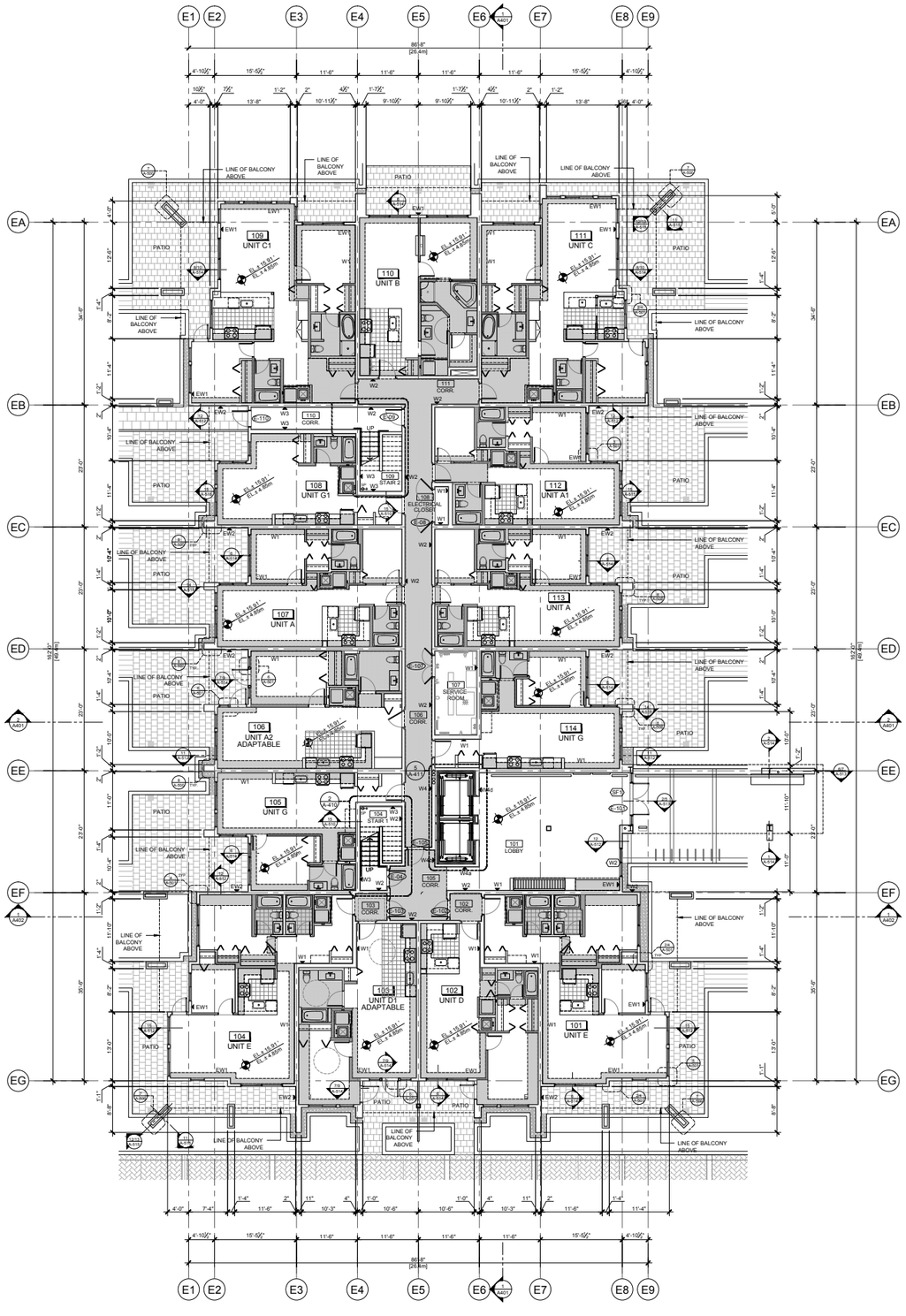

SLEEPING PLATFORM
SCALE : 11/2" = 1'-0"

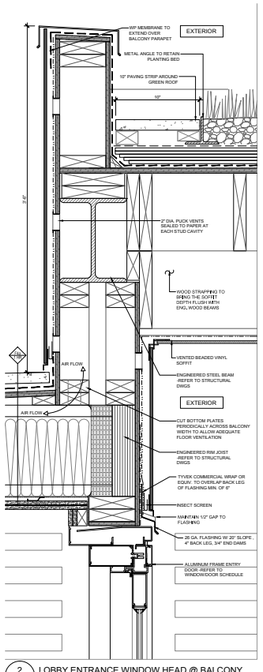
# **WORK** EXPERIENCE

The following are a few selected projects that I worked on while working at ZGF Cotter Architects. The first is a 22 unit townhouse project located in Richmond BC. I began work on this project during the design development phase, helping to generate the development permit and building permit sets. Upon approvals I generated the issued for construction set and subsequently began performing the construction administration work until its completion. The next project is a 6 story wood frame apartment complex located in Richmond BC. This 90 unit apartment building was one of the first 6 story wood frame buildings built in Canada. I worked primarily on the issued for construction drawing set and helped a senior staff member with the construction administration.

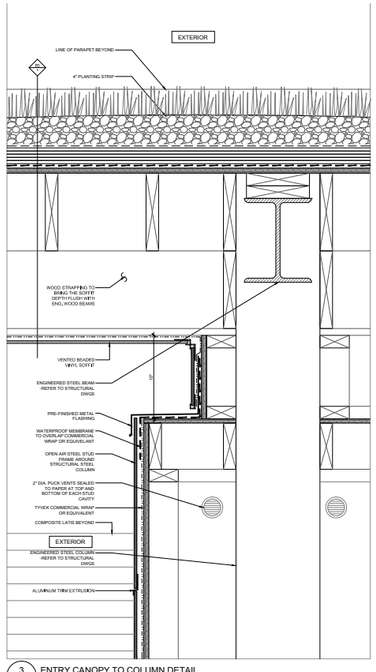




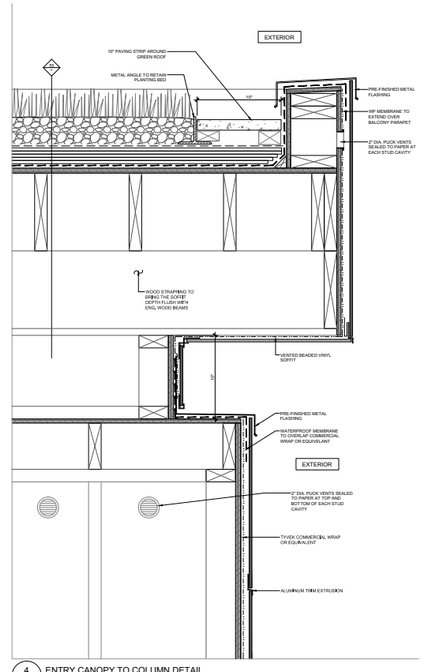




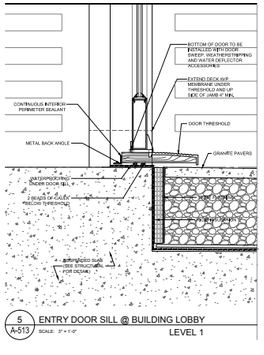

2 A-513 LOBBY ENTRANCE WINDOW HEAD @ BALCONY
SCALE: 3" = 1'-0"
LEVELS 1-2



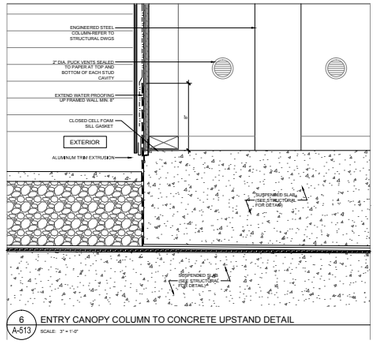

3 A-513 ENTRY CANOPY TO COLUMN DETAIL
SCALE: 3" = 1'-0"



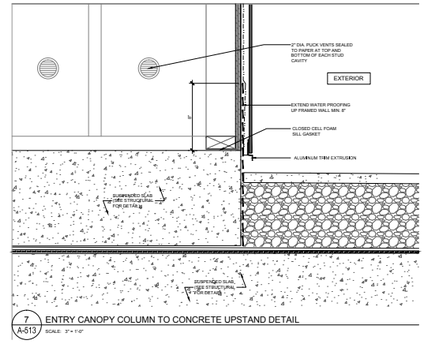

4 A-513 ENTRY CANOPY TO COLUMN DETAIL
SCALE: 3" = 1'-0"




5 A-513 ENTRY DOOR SILL @ BUILDING LOBBY
SCALE: 3" = 1'-0"
LEVEL 1




6 A-513 ENTRY CANOPY COLUMN TO CONCRETE UPSTAND DETAIL
SCALE: 3" = 1'-0"




7 A-513 ENTRY CANOPY COLUMN TO CONCRETE UPSTAND DETAIL
SCALE: 3" = 1'-0"

# MODEL BUILDING

The following are a few selected model building projects I completed while in my first three semesters in the Bachelors of Environmental Design at Dalhousie. Figures 1 through 3 are of a 1:50 structural model of a case study building located here in Halifax, Nova Scotia. Figures 4 through 6 are of a model built to help develop my most recent design project.

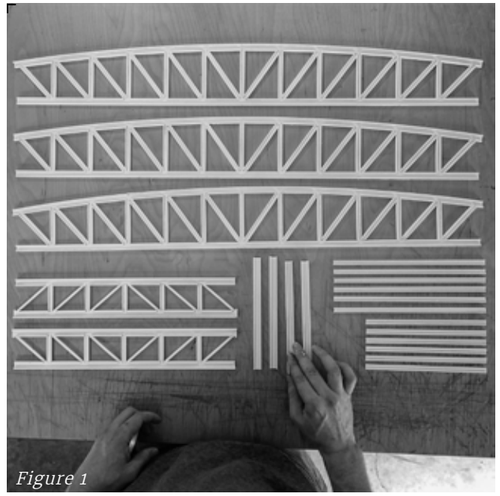


*Figure 1*

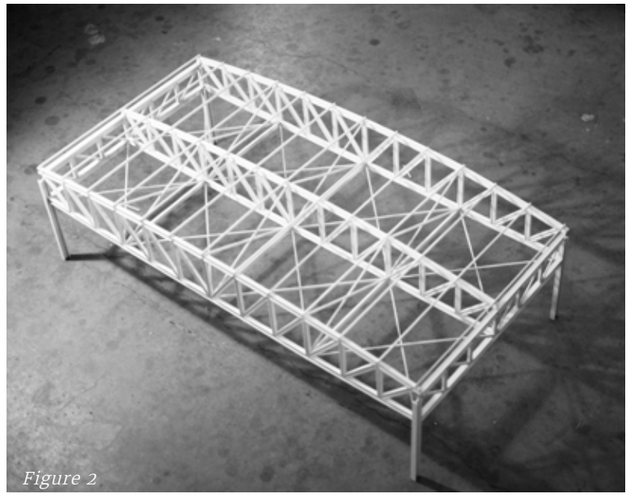


*Figure 2*

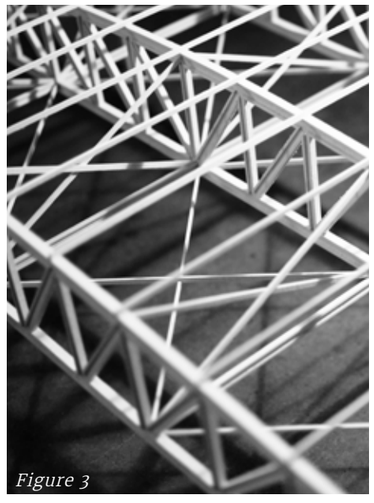


*Figure 3*

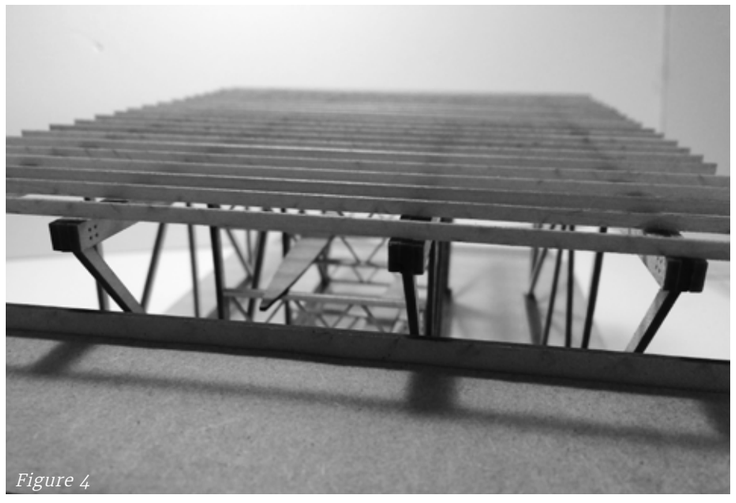


*Figure 4*

*Figure 5*

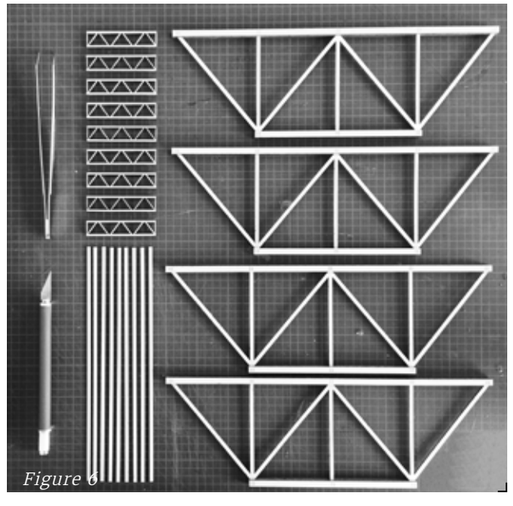


*Figure 6*

Thank You

contact: walker.jeffrey.james@gmail.com