

# **Shahal Ahmed**

CV & Portfolio

# Shahal Ahmed

BAS, MArch, Intern Architect (OAA), MRAIC

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shahalahmed.com

Toronto

## Experience

- Mar - Oct '23 **Alex Rebanks Architects**  
Intern Architect (OAA), Toronto
- Managed and created Revit/AutoCAD drawings for multiple projects like a swim school, grocery stores, and a subdivision project, between SD and CD to bidding phases.
- Oct - Mar '22 - '23 **Diamond Schmitt**  
Intern Architect (OAA), Toronto
- Contributed to six projects, including RioCan Colossus Centre development and Guelph Central Library, primarily in SD phase.
  - Led tasks like preliminary drawings, VR experiences, and test fit plans using Revit, Rhino, and Enscape.
- Feb - Aug '22 **BDP Quadrangle**  
Intern Architect (OAA), Toronto
- Created Revit drawings for mixed-use and multi-unit residential projects in rezoning, DD, and CD phases, like plans with assemblies, shadow studies, unit layouts, energy studies.
- Jan - Dec '21 **University of Waterloo**  
Teaching Assistant, Cambridge
- Jan - Apr '20 **Pelli Clarke & Partners**  
Intern Architect (Co-op), New York
- Created 3D models for visualizations and diagrams with Rhino and Enscape for a large commercial tower at a masterplan scale.
- Jan - Apr '19 **BDP Quadrangle**  
Intern Architect (Co-op), Toronto
- May - Aug '18 & '19 **HLW**  
Intern Architect (Co-op), New York
- Sep - Dec '17 **Kearns Mancini Architects**  
Intern Architect (Co-op), Toronto
- Jan - Apr '17 **Phoam Studio**  
Intern Architect (Co-op), Copenhagen

## Education

- University of Waterloo**
- '21 Master of Architecture (MArch)
- '20 Bachelor of Architectural Studies (BAS)  
Honours, Co-op, Rome Program

## Skill

- Revit
- Rhino
- AutoCAD
- Bluebeam
- Lumion
- Enscape
- V-Ray
- Photoshop
- Illustrator
- InDesign
- Premiere Pro
- laser cutting
- hand modelling
- shop tools
- remote collaboration

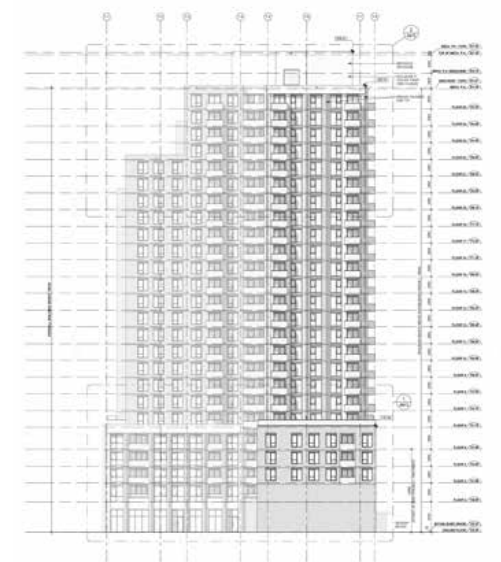
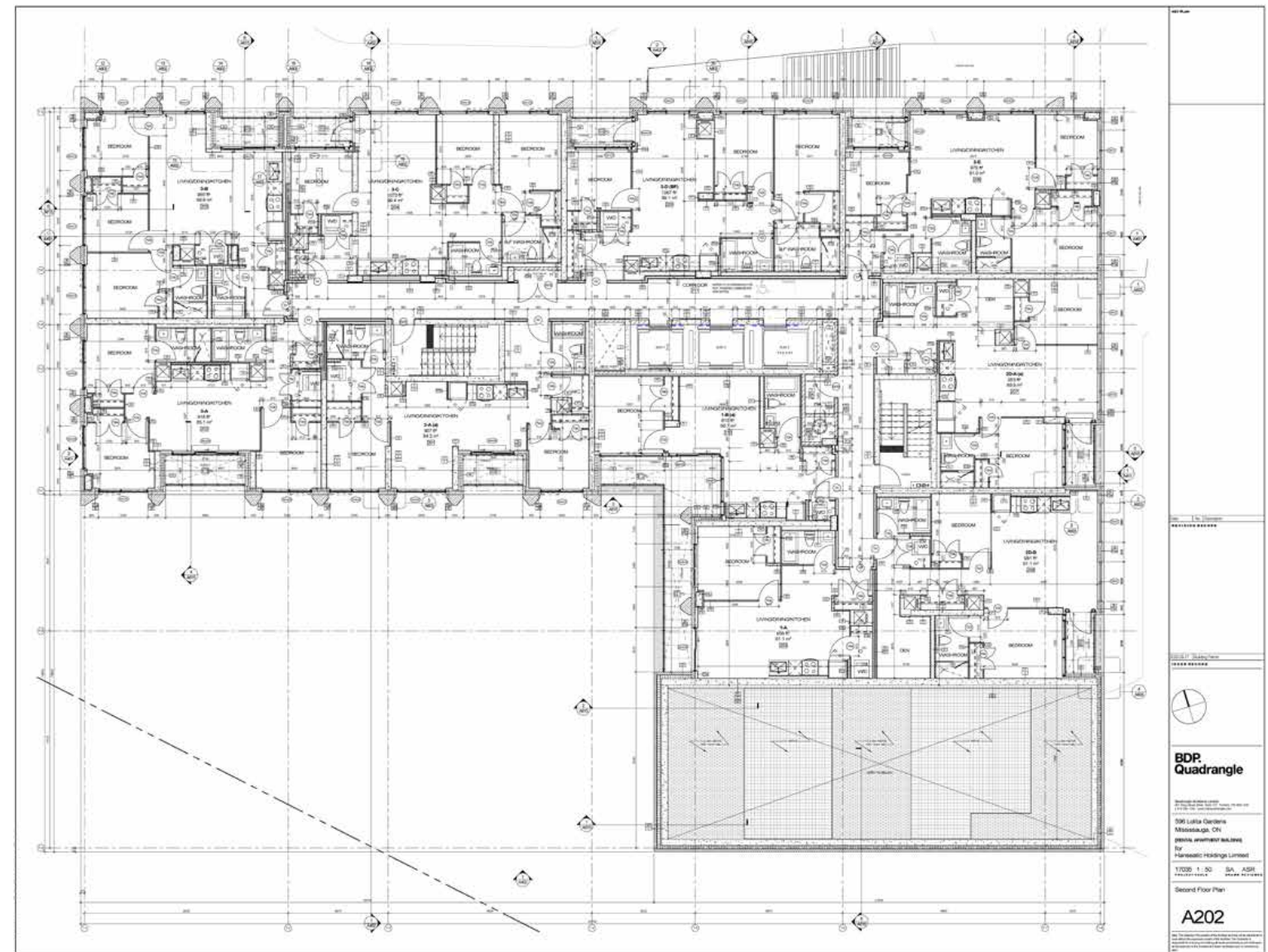
## Highlight

- All ExAC passed
- 3006.5 / 3720 hours for OAA IAP
- BAS with Distinction
- MArch thesis featured on Waterloo Architecture Instagram
- President's Scholarship

## BDP Quadrangle

Toronto, Canada

As an Architectural Designer, I was responsible for a variety of drawing tasks, primarily in Revit, for several multi-unit residential projects in Toronto and Mississauga. My first project was a new high-rise building at 600 & 620 Lolita Gardens. In the Construction Drawing phases, I was responsible for plan drawings, elevations, sections and engineering drawing coordinations. In my second project, 63 and 73 Widdicombe Hill Boulevard, I was responsible for suite layouts and marketing plans for one of the buildings. In the third project, 849 Eglinton Avenue East, my tasks varied from 3D modelling and setting up initial sheets to conducting studies like shadows and facade glazing to wall ratios. Lastly, for 340 Mill Road, I created drawings for a marketing brochure which was presented to the investor by the client.



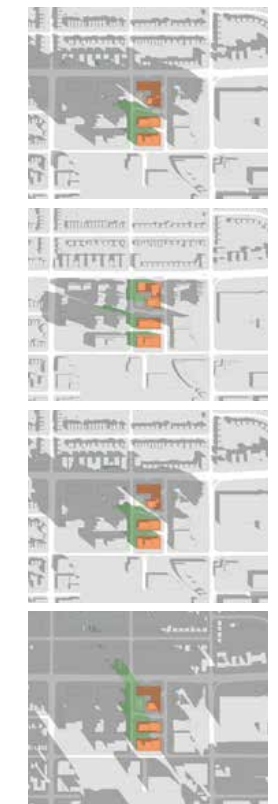
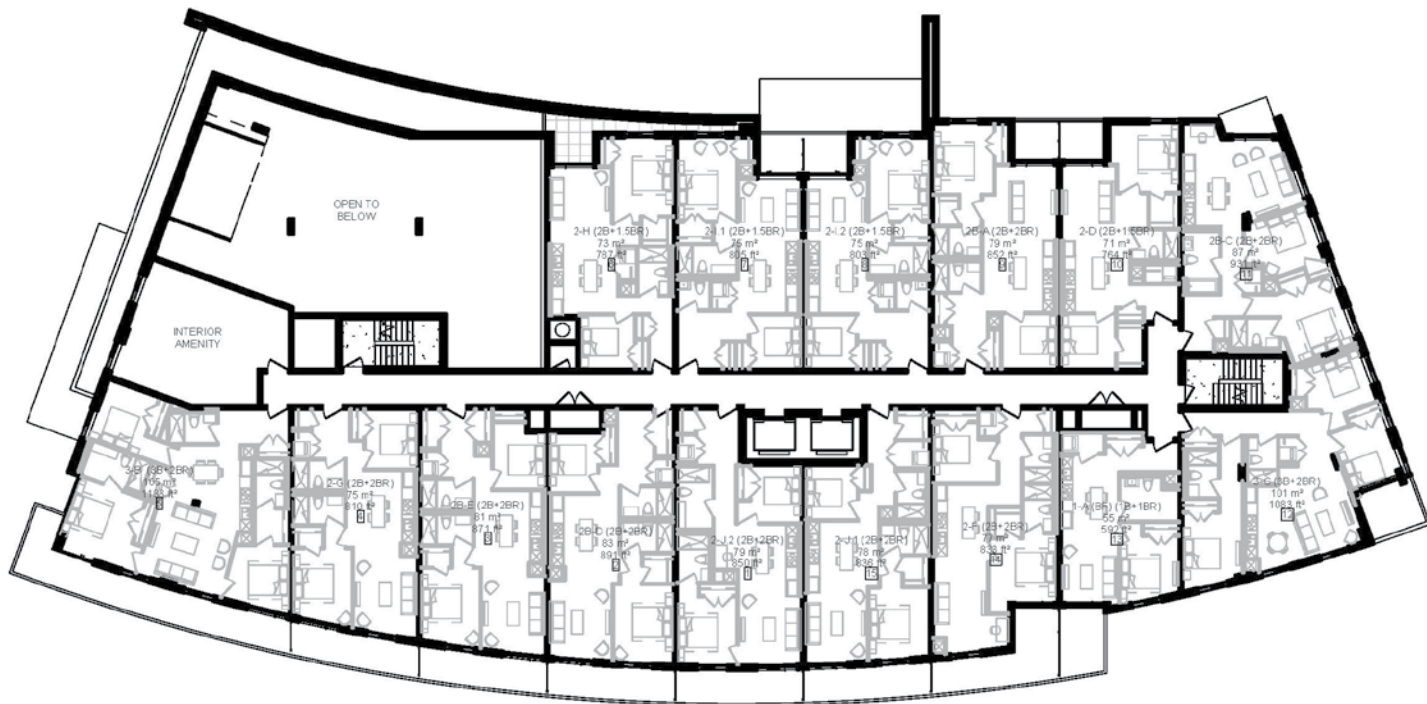
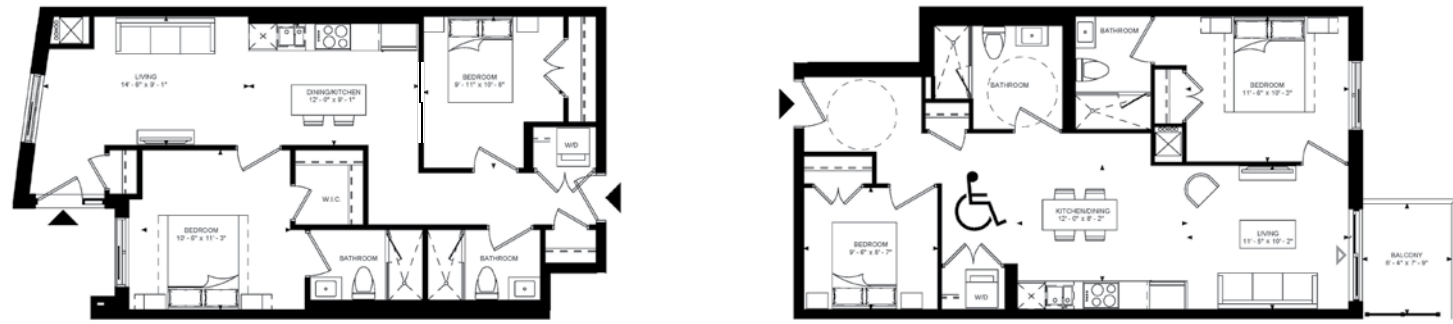
600 & 620 Lolita Gardens  
Construction Drawing / Building Permit



Left: Toronto Green Standards (TGS) version 4 required envelope study to achieve ratio 40:60 (glazing:wall) for all facades. Rapid remodelling in Revit.

Right: City of Toronto required shadow study using Revit and Photoshop.

Below: Coloured elevation series, required by city.





## Pelli Clarke & Partners

New York, USA

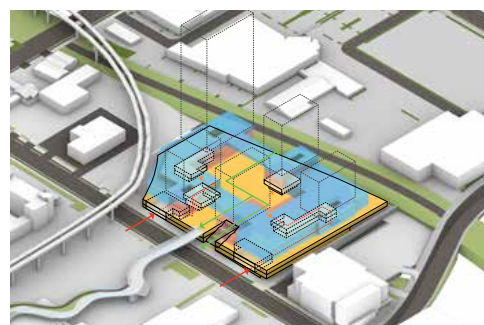
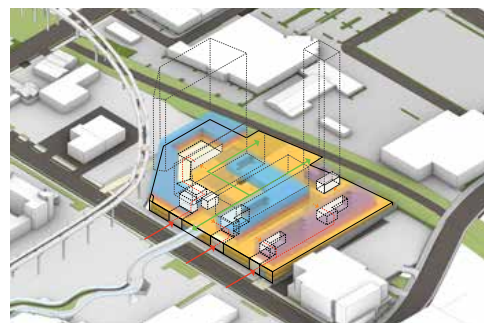
This co-op experience has allowed me to explore the different facets of the post competition or pre-schematic phase. Majority of my time was spent on a commercial and residential density project in Bellevue, Washington. In this concept phase I was involved in precedent studies, 3D modelling various design options, calculating FARs, creating diagrams, 3D modelling necessary details for experiential effects and creating renders and animations, weekly. I particularly enjoyed the weekly design critique from the Partner and Senior Associate, which allowed me to have input in design changes, presented frequently to the client and consultants.

In addition, I created 3D models of various classic modernist homes which were going to be presented for a sustainable interactive workshop in the Facades+ conference.

With glass being a predominant facade material for the office's projects, I was also tasked with managing and studying various glass facade materials in the office materials library.







Above: Diagram series depicting various massing studies and FAR options for weekly client meetings. Diagrams created using Rhinoceros.

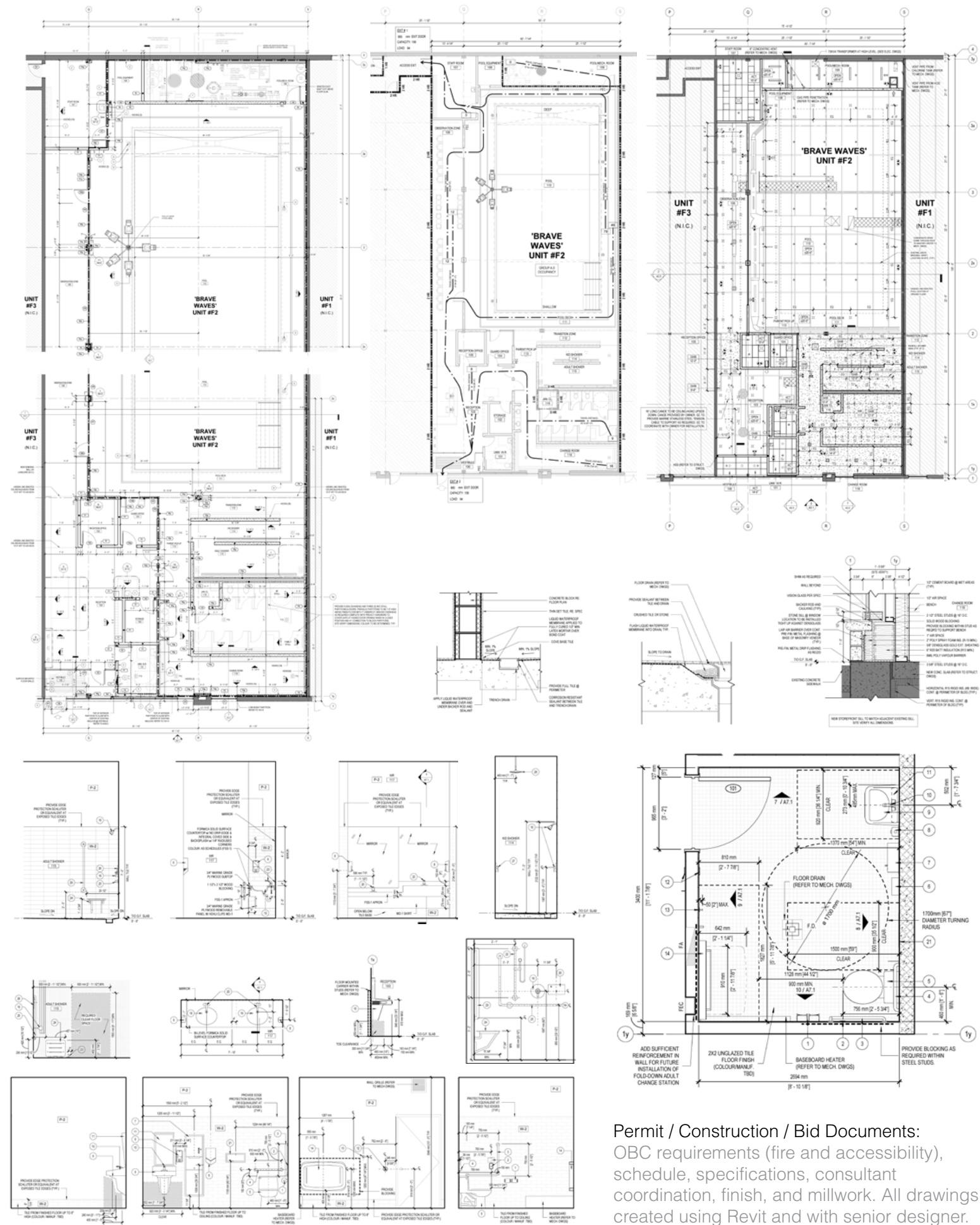
On right: Study and presentation renders for weekly internal and client meetings. Renders were created using Enscape and Rhinoceros.



# Alex Rebanks Architects

Toronto, Canada

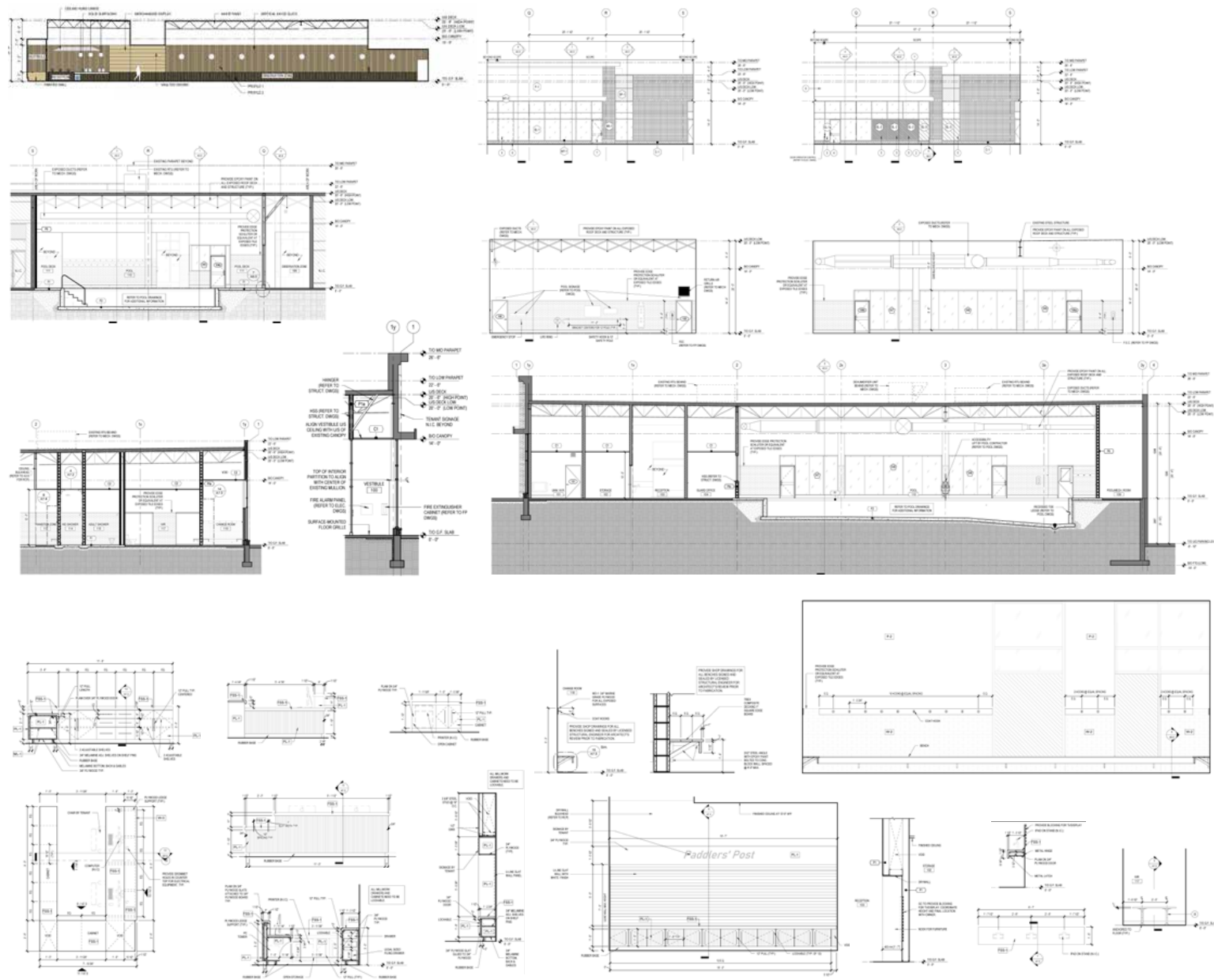
As an Architectural Designer, I was responsible for coordinating, generating, and editing drawings for multiple projects. For Brave Waves Swimming School in Brantford, I drew the project from schematic design to permit and bidding phases using Revit, working alongside a senior architect and principal. I also helped manage samples and specify finishes. For a Farm Boy in Burlington, I addressed client requested changes for construction drawings at interior using AutoCAD, working alongside a senior architect for directions. For 84 McLennans Beach Road, a residential subdivision project, I followed directions from the principal on necessary design changes for site plan drawings and a detached house concept. Beyond these primary projects, I helped with coordinating elevation lighting from lighting plans for an industrial warehouse in Brampton and verifying counts in shop drawings for a Costco retail warehouse. These were primarily in construction document phases.



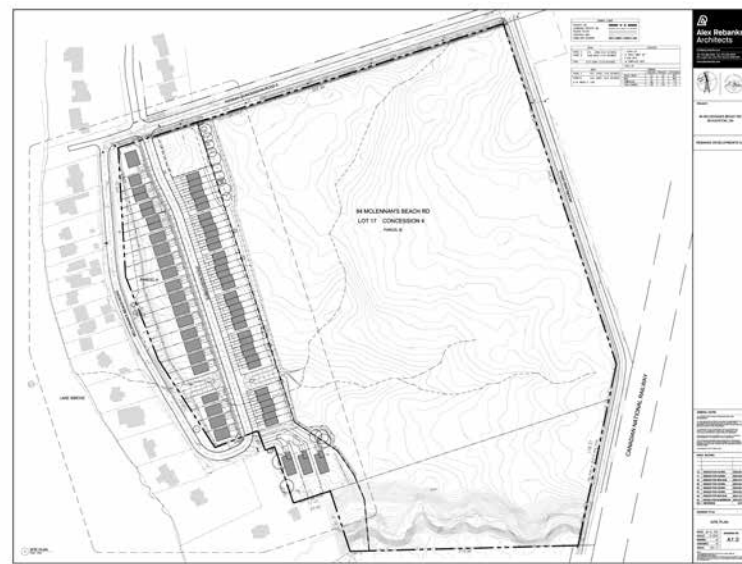
Brave Waves Swimming School  
Schematic, Permit, Construction & Tender Drawings

Permit / Construction / Bid Documents:  
OBC requirements (fire and accessibility),  
schedule, specifications, consultant  
coordination, finish, and millwork. All drawings  
created using Revit and with senior designer.



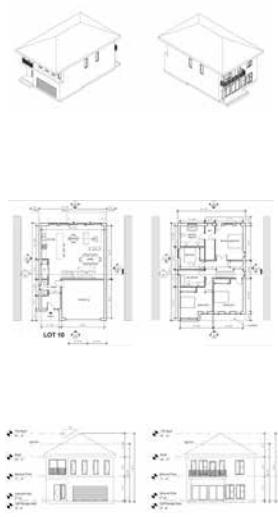


Brave Waves Swimming School  
Schematic, Permit, Construction & Tender Drawings

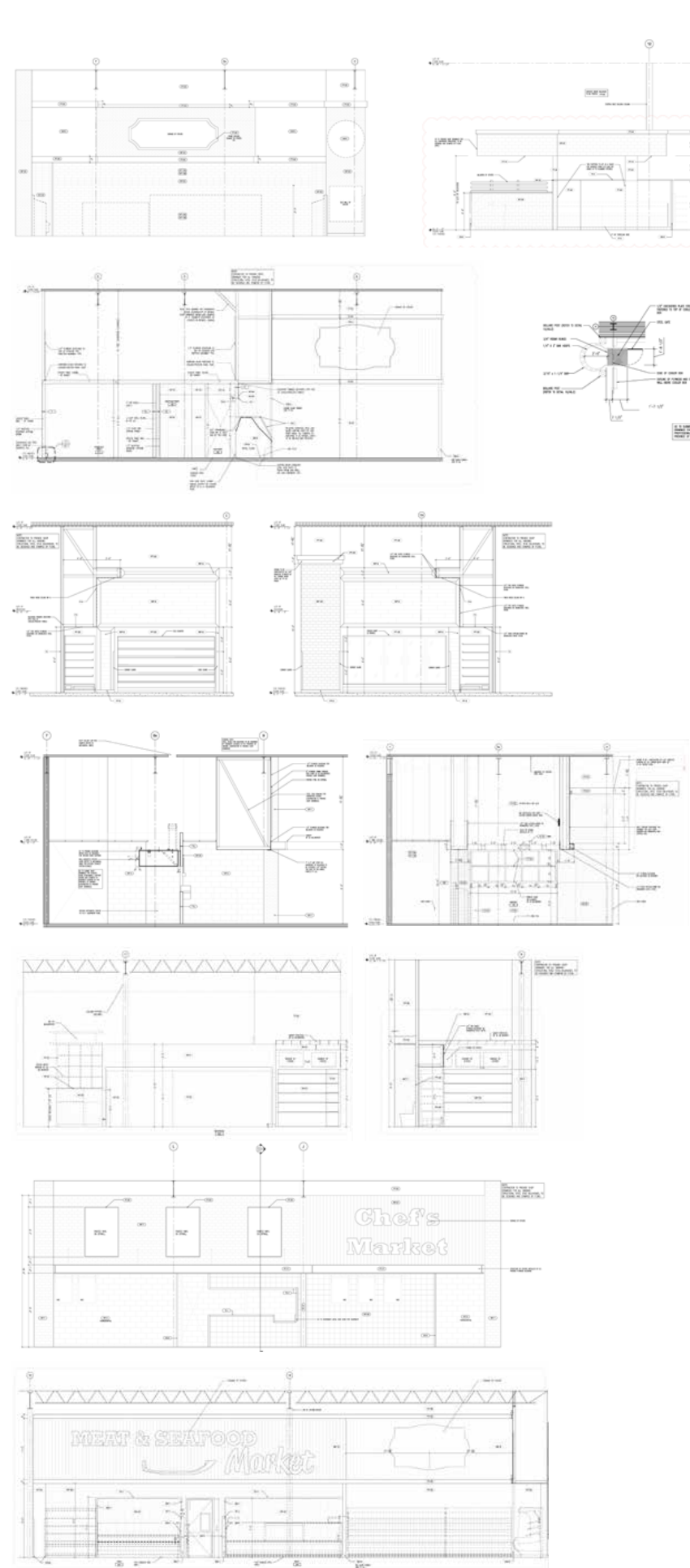


**SCHEDULE OF LAND USES:**

PARCEL A - RESIDENTIAL			
LOW DENSITY RESIDENTIAL	BLOCKS	UNITS	AREA (ha)
■ DETACHED DWELLINGS	21	21	1.44
⊙ 7.5m FRONTAGES - (SEMI-DETACHED DWELLINGS)	3	6	0.19
MEDIUM DENSITY RESIDENTIAL			
TH 6.0m STREET TOWNHOUSES	6	36	0.85
<b>TOTAL - RESIDENTIAL</b>	<b>30</b>	<b>63</b>	<b>2.48</b>
PARCEL A - ROADS			
20.0m R.O.W. (STREET A)			0.81
SWALES			0.12
PARKETTE			0.18
<b>PARCEL A</b>			<b>3.54</b>
PARCEL B - GREENBELT			
GREENBELT ESTATE LOT			11.51
PRIVATE OPEN SPACE / ENVIRONMENT PROTECTION			2.23
<b>PARCEL B</b>			<b>13.74</b>
<b>TOTAL AREA OF SUBMISSION</b>			<b>17.28</b>

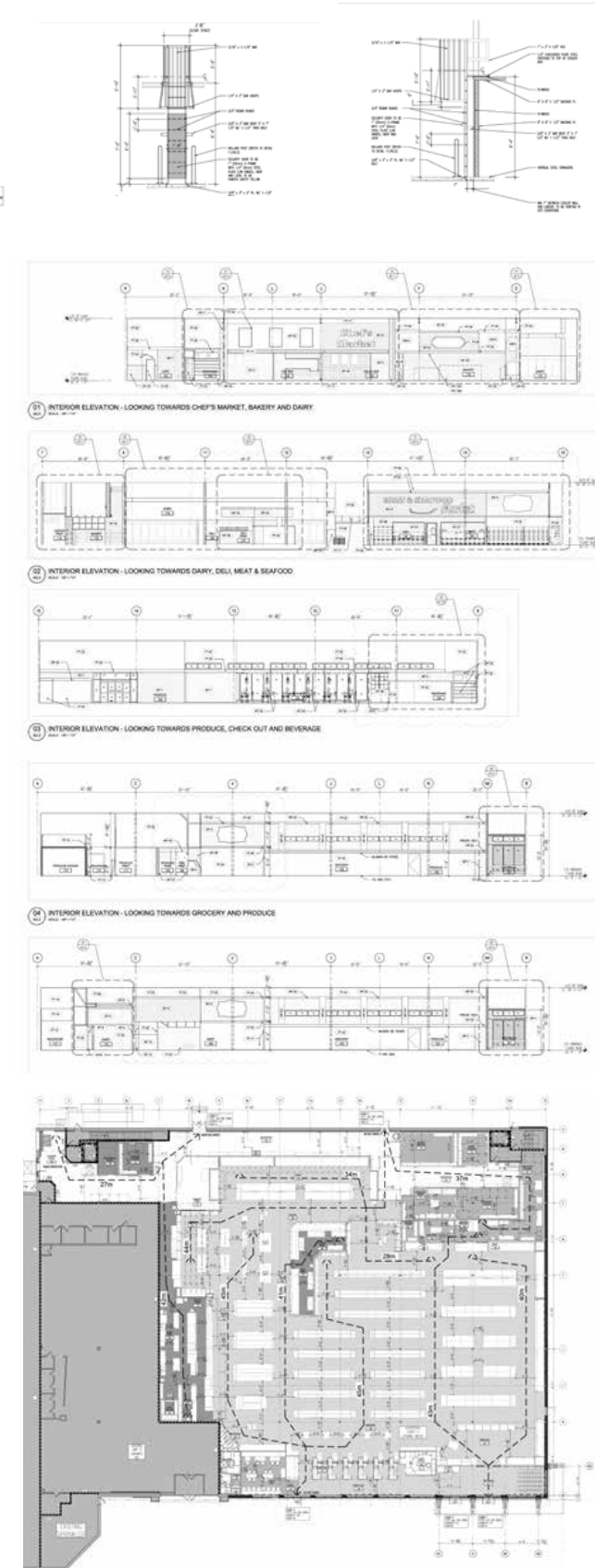


84 McLennans Beach Road  
Subdivision Plan & Building Design Studies



Farm Boy  
Construction / Permit Drawing Markups

Client requested changes:  
My responsibilities included addressing markups in plan and elevation from a senior designer, as well as referring to a SketchUp model made by Farmboy's interior team. Example of changes are signages, millwork and equipment. Drawings are created using AutoCAD. Revision clouds are for the latest permit revision.





## Diamond Schmitt

Toronto, Canada

As an Architectural Designer, I was involved in six different projects around Ontario, working collaboratively with three Designers, two Architects and an Associate. For RioCan Colossus Centre in Vaughan, I was responsible for preliminary concept drawings like zoning and area plans, 3D modelling and perspective drawings. In Barrie Five Points, I was responsible for creating plans and massing models with client and site requirements following design visions from my supervisor. For Guelph Central Library, I was responsible for creating a Virtual Reality experience, implementing specified material finishes and furniture. In CreateTO 800 Kipling and McCleary District, I was responsible for test fit plans. For Pickering Town Centre Master Plan, I was responsible for test fit plans, area schedules and diagramming.

At Diamond Schmitt I was primarily using Revit, Rhino, Enscape, Illustrator and Photoshop.

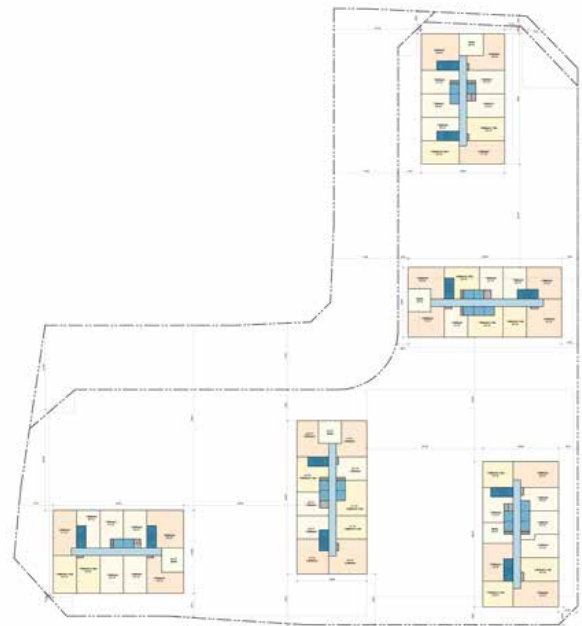


Guelph Central Library

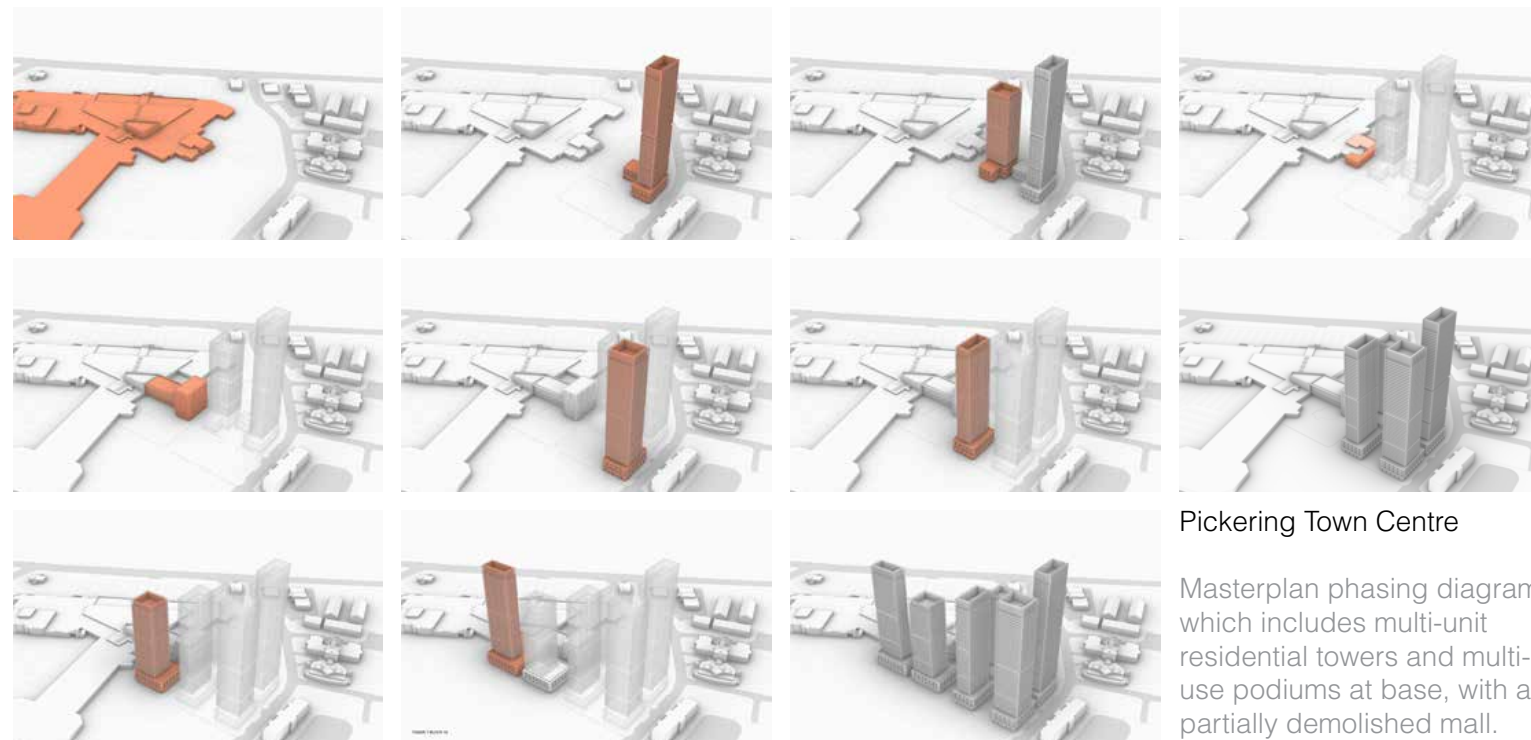
Scan QR code with your phone's camera to view a Virtual Reality (VR) experience. Using Revit and Enscape, the final model was edited to match specified furniture and finishes—from available ACTs to manufactured furniture with actual fabrics. Produced with two other Designers in the span of one month with a finish pdf presentation. I was responsible for finding manufacturer 3D models and textures or creating anything as needed. These are select views out of the twenty others created.





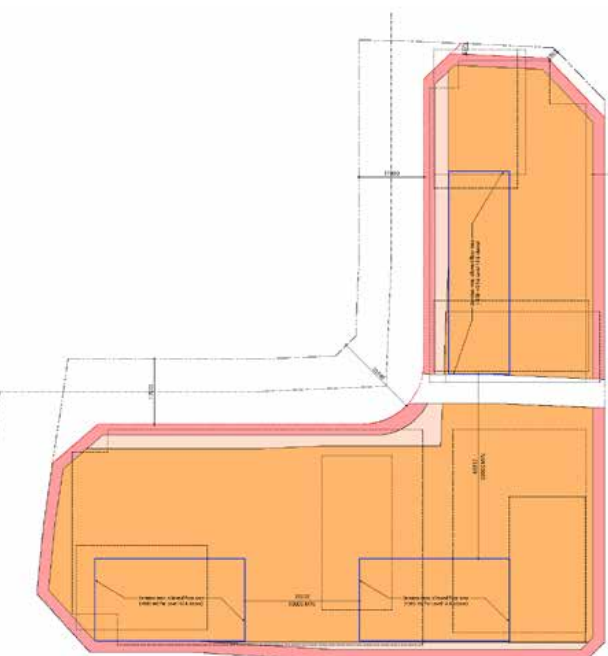


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Pickering Town Centre

Masterplan phasing diagram which includes multi-unit residential towers and multi-use podiums at base, with a partially demolished mall.

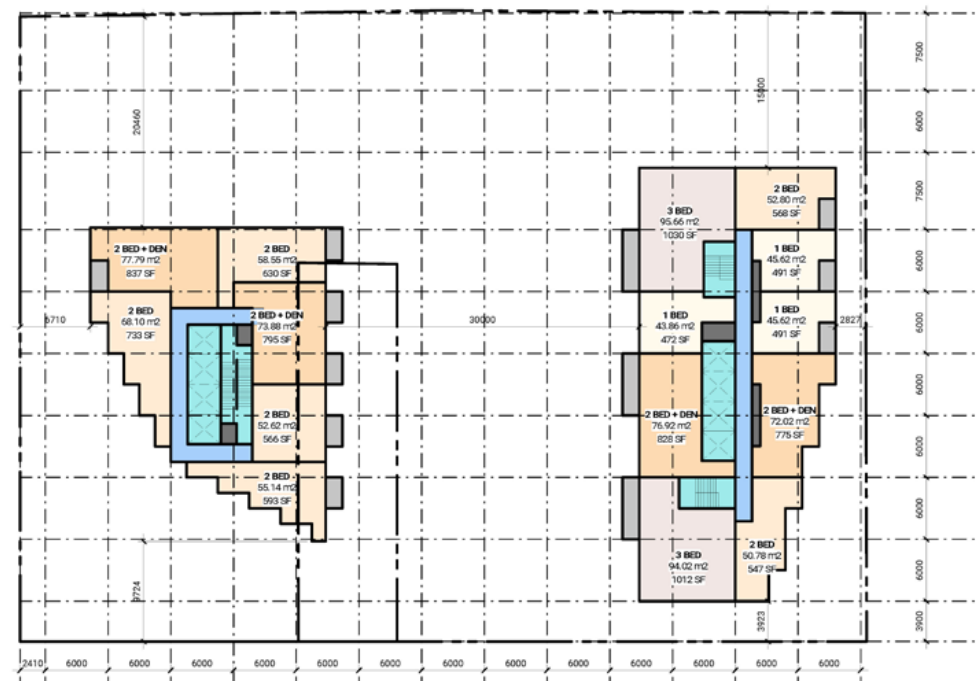


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Barrie Five Points

3D concept massing studies and area plans in collaboration with an Architect and an Associate. The concept is to taper the residential towers at the top to orient views towards the lake, with a multi-use podium at base.



RioCan Colossus Centre  
Concept 3D model, 2D drawings, and perspective drawings.



## HLW

New York, USA

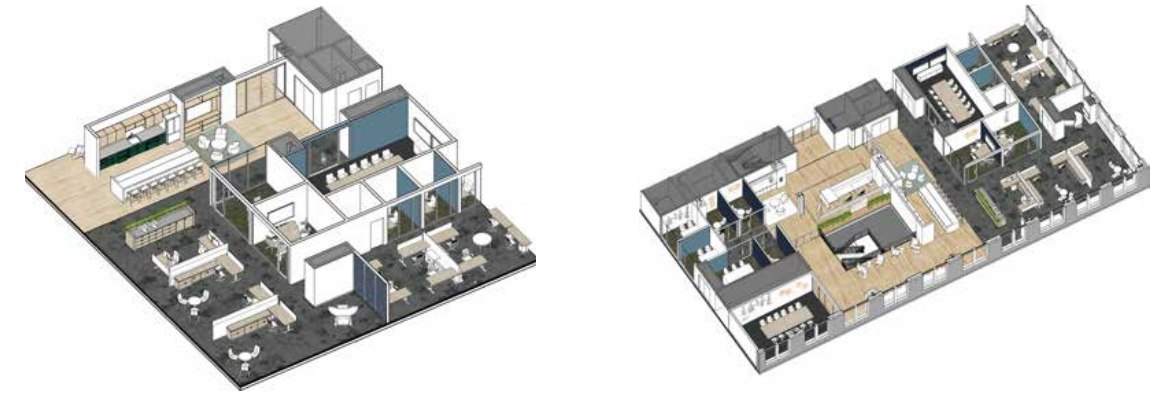
During my second co-op here, I engaged in various corporate office interior design projects in New York City and Jersey City. I used Revit to generate construction details, fixed red lines for permit submissions, rendered using Enscape (Revit) and created presentation materials ranging from graphics to client meeting packages. I also took part in coordinating finish sample orders and specifications.

During my first co-op here, I was able to engage in a variety of tasks for base buildings projects ranging from physical models to schematic 3D modelling and construction drawings.

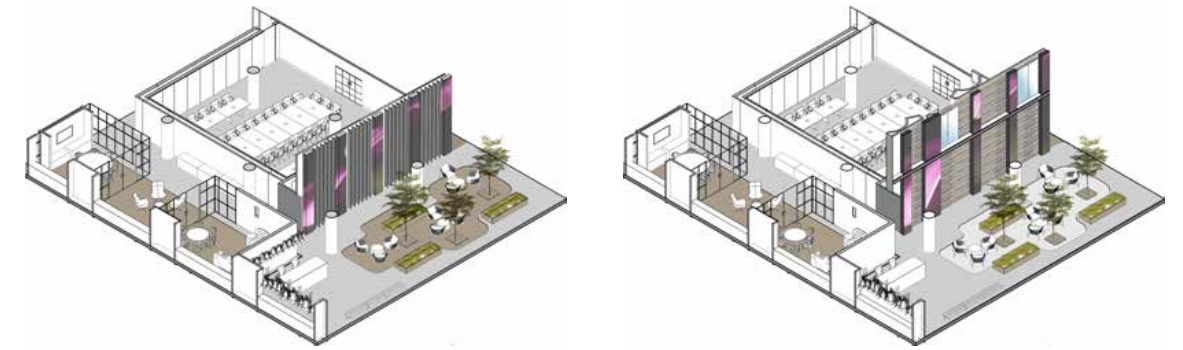


Gateway to Chinatown Competition  
Lasercut Model

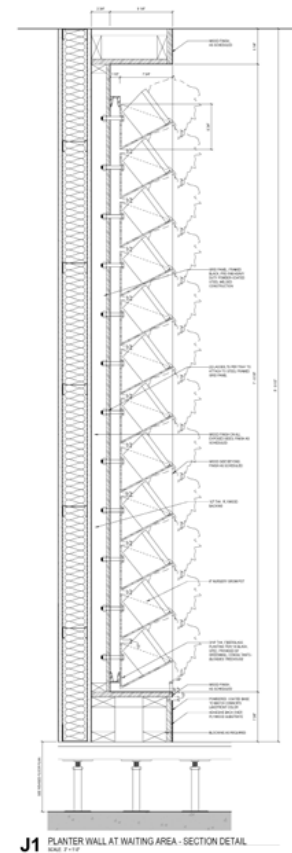




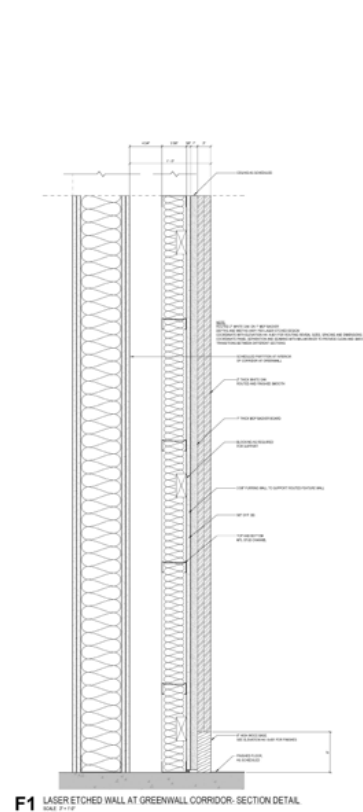
TD Ameritrade HQ  
Executive Office Options



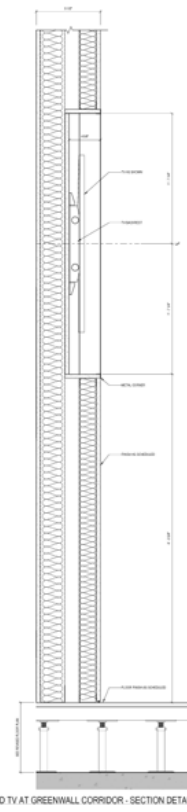
International Flavors & Fragrances HQ  
Lounge Options



J1 PLANTER WALL AT WAITING AREA - SECTION DETAIL  
SCALE 1/16"



F1 LASER ETCHED WALL AT GREENWALL CORRIDOR - SECTION DETAIL  
SCALE 1/16"



C1 RECESSED TV AT GREENWALL CORRIDOR - SECTION DETAIL  
SCALE 1/16"



Samsung HQ  
3D Model

Jane Street Capital HQ  
Finish Plans, Section Details and Renders



