



Ontario Association for
Applied Architectural Sciences

TECHNOLOGY PROGRAM OF THE OAA

TABLE OF CONTENTS

1 Report from the Executive Director

2 Continuing Education 2014-2016 Cycle ends June 30

3 New Lic.Tech.OAA Members & OAAAS Members

3 Calendar Highlights

4 Sponsors of the 2016 Student Awards

5-13 2016 Student Awards

14 Doors Open 2016

15-17 Chocosol Project Special highlight

18 Submitting Work Experience Hours

19 2016-17 Board of Directors

19 OAAAS Contact Information

Report from the Executive Director



OAA Conference

We have just navigated the OAA Conference in Toronto and it was another successful event for OAAAS. It's a time when we have our Annual General Meeting, a meeting of our Board of Directors and the time when we make an official presentation of our annual results to the OAA.

Many OAAAS members were involved in the various activities, from 23 attendees at the Admission Course, to members involved in our meetings and events, to those completing their last few (hopefully) continuing education hours. Our member reception attracted 70 members and supporters and provided a great opportunity to connect and network informally. Many of you had great ideas to share with the President.

Our student awards were again a great success. It provides OAAAS with an opportunity to talk about the important role technologists play in architecture, as well as to highlight the excellent work done by our community colleges and their students.

Next year's conference will be in Ottawa and we hope to see many more of you there.

External Relations Committee Launched

At its most recent meeting, the OAAAS Board of Directors launched a new committee – the External Relations Committee. The mandate of the committee is to help OAAAS to consider issues related to our relationships with others in the sector. As an initial priority, the committee will review our relationship with the Association of Architectural Technologists of Ontario (AATO) with the objective of finding ways to collaborate to promote the interests of technologists working in architecture.

The Board is seeking expressions of interest from members who may wish to serve on this committee. In particular, we would like to appoint one or two members, who also belong to AATO but have never served on its Board. The perspective of joint OAAAS/AATO members is important as we launch this new initiative.

Are you interested? If so, please contact me directly garryn@oaaas.ca.

Garry Neil, Executive Director | Registrar

Continuing Education Cycle 2014-2016 - **ENDS JUNE 30**

The deadline for completing the current 2014-2016 continuing education cycle is **June 30, 2016.**

Technologists OAAAS members and Lic.Tech.OAA are required to complete specific continuing education activities (hours) for every two year Continuing Education Cycle. It is the responsibility of the member to record their hours on their ConEd Transcript found on the OAA/OAAAS website.

Continuing education hours include [Structured](#) and [Unstructured Learning](#).

Member's Specific ConEd Responsibilities

Technologist OAAAS members must complete **15 hours of learning** (minimum of five hours of Structured learning and 10 hours of Unstructured learning)

Licensed Technologist OAA members must complete **35 hours of learning** (minimum of 12 hours of Structured learning and 23 hours of Unstructured Learning)

For complete details on the ConEd program visit the following links:

[Program Requirements](#), [Learning Activities Eligibility Criteria](#)

ConEd activities are constantly being posted on the website. See the [LEARNING OPPORTUNITIES](#) link for ongoing ConEd opportunities, such as upcoming Distance Education Modules, Education Sessions and Lunch and Learns.

INSTRUCTIONS on how to record your ConEd Hours

To complete your ConEd responsibilities follow these steps:

Record your ConEd activities/hours on your ConEd transcript on an ongoing basis. Your ConEd transcript can be found on the OAA/OAAAS website. Direct access link: [Transcripts](#).

To log onto your ConEd transcript use the Username and Password that was issued to you when you joined the OAAAS. These coordinates will be activated when your membership is reclassified to the Technologist OAAAS level.

Once you complete the required hours, your transcript status will read: Completed.

Technologist OAAAS members are reminded to keep of a copy of the completed transcript, as you will need to submit it to the OAAAS Office when you apply for your Licensed Technologist OAA licence.

ACTIVITY	HOURS	STATUS	DATE
101 - Introduction to Speech Communication	1.0	Completed	11/15
102 - Introduction to Business Computers	1.0	Completed	11/15
103 - English Composition	1.0	Completed	11/15
104 - Beginning French I	1.0	Completed	11/15
105 - Beginning French II	1.0	Completed	11/15
106 - Beginning French III	1.0	Completed	11/15
107 - Beginning French IV	1.0	Completed	11/15
108 - Beginning French V	1.0	Completed	11/15
109 - Beginning French VI	1.0	Completed	11/15
110 - Beginning French VII	1.0	Completed	11/15
111 - Beginning French VIII	1.0	Completed	11/15
112 - Beginning French IX	1.0	Completed	11/15
113 - Beginning French X	1.0	Completed	11/15
114 - Beginning French XI	1.0	Completed	11/15
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116 - Beginning French XIII	1.0	Completed	11/15
117 - Beginning French XIV	1.0	Completed	11/15
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NEW LICENSED TECHNOLOGIST OAA MEMBERS

Congratulations to the following members who recently received their Licensed Technologist OAA Licence:



James Bell
Braden Walker
Natalia Fleishman

NEW OAAAS MEMBERS

We would like to welcome the following new OAAAS members:



Scott Divell
Mateo Mirbashiri
Nathan Donaldson
Van Tran
Justin Gauthier

2016 CALENDAR HIGHLIGHTS

June	The deadline for completing the 2014-2016 continuing education hours is June 30, 2016 . Please ensure you have reported your required hours in your transcript by this date, as you will no longer have direct access to the page after June 30.
July	New 2016-2018 Continuing Education Cycle begins.
Sept	OAAAS will be visiting colleges throughout Ontario to promote the organization and the 2017 Student Awards Program to Architectural Technology students.
Nov 1 - Deadline	Deadline to become a Technologist OAAAS member in order to be eligible to attend the 2017 OAA Admission Course and write your OAAAS Exam in June or Nov 2017. For details contact RommyR@oaaas.ca .
Nov 22 - Exam Date	The last 2016 OAAAS examination date is November 22. Note that you must have attended the OAA Admission Course in order to be eligible to write the exam. To register, contact RommyR@oaaas.ca .
Dec 30	In December 2016, all members will receive their membership dues invoice for the 2017 calendar year. Thereafter, all members will be invoiced every December for the following calendar year.

OAAAS - IBI GROUP 2016 STUDENT AWARDS ARCHITECTURAL TECHNOLOGY

The OAAAS Student Awards are presented annually to exemplary architectural design projects which demonstrate achievement of technical excellence in architectural technology.

Congratulations to our 2016 OAAAS Student Award winners!

We would like to thank our generous 2016 Sponsors:



Gold Sponsor



Silver Sponsor

Bronze Sponsors



2016 OAAAS AWARDS PRESENTATION

The 2016 OAAAS Student Awards were presented on May 13, 2016 at the 2016 OAA Annual Conference in Toronto. The Student Awards Program is in its 4th year, continually highlighting the provinces exemplary college architectural technology design projects which demonstrate the best of technical excellence in Architectural Technology College Programs. This years winning colleges were Centennial College, George Brown College and Loyalist College. See page x for the award winners and projects.

1st Place - Individual Project - Centennial College Toronto

The Twist Shoreline Centre

Giselle Mujica Pocay

1st Place - Group Project - George Brown College Toronto

Convergence

Yanina Ahumada, Charmaine Candelario, Andrei Nemes, Alexander Rocha

2nd Place - Individual Project - Loyalist College Belleville

Quinte Environmental Education Centre

Angela Cox

2nd Place - Group Project - Centennial College Toronto

Escalade Seniors Home

Julia C. Márquez, Giselle Mujica Pocay

This years winners were presented with their award at the *OAAAS Awards Ceremony* held during the OAA Networking Luncheon, part of the OAA Conference. [Click here](#) to view the OAAAS Awards Ceremony at the Networking Luncheon slideshow (and click on image).

And once again, OAA President, Toon Dreessen generously extended an invitation to all the OAAAS awards participants to attend the *OAA Celebration of Excellence Awards Ceremony & Dinner*. This made for a very exciting awards day where the students were not only highlighted on stage during the luncheon as they received their award and had their hard work acknowledged by the Architecture community, but also got to experience first hand the excitement of the annual OAA Conference and the glamour of the evening OAA Awards Ceremony, where the best of Canadian Architecture is honored every year. Thank you Mr. Dreessen.

Thank you as well to the Colleges Instructors whose contribution, support and enthusiasm guaranteed the success of this years awards program. We look forward to working with you in the 2017 Awards Competition.

We would also like to extend our gratitude to the jury members who volunteered their time and expertise to make the final college and provincial level award selection:

Fred Barras, Technologist OAAAS - College level participation

Rachel Jeremiah, Lic.Tech.OAA - College participation

Jamie Kuhl, Technologist OAAAS - College and Provincial participation

Rick Mateljan, Lic.Tech. OAA - Provincial participation

David Mills, Architect - College and Provincial participation



1st Place
Individual Project

The Twist Shoreline Centre

Giselle Mujica Pocay

Centennial College Toronto

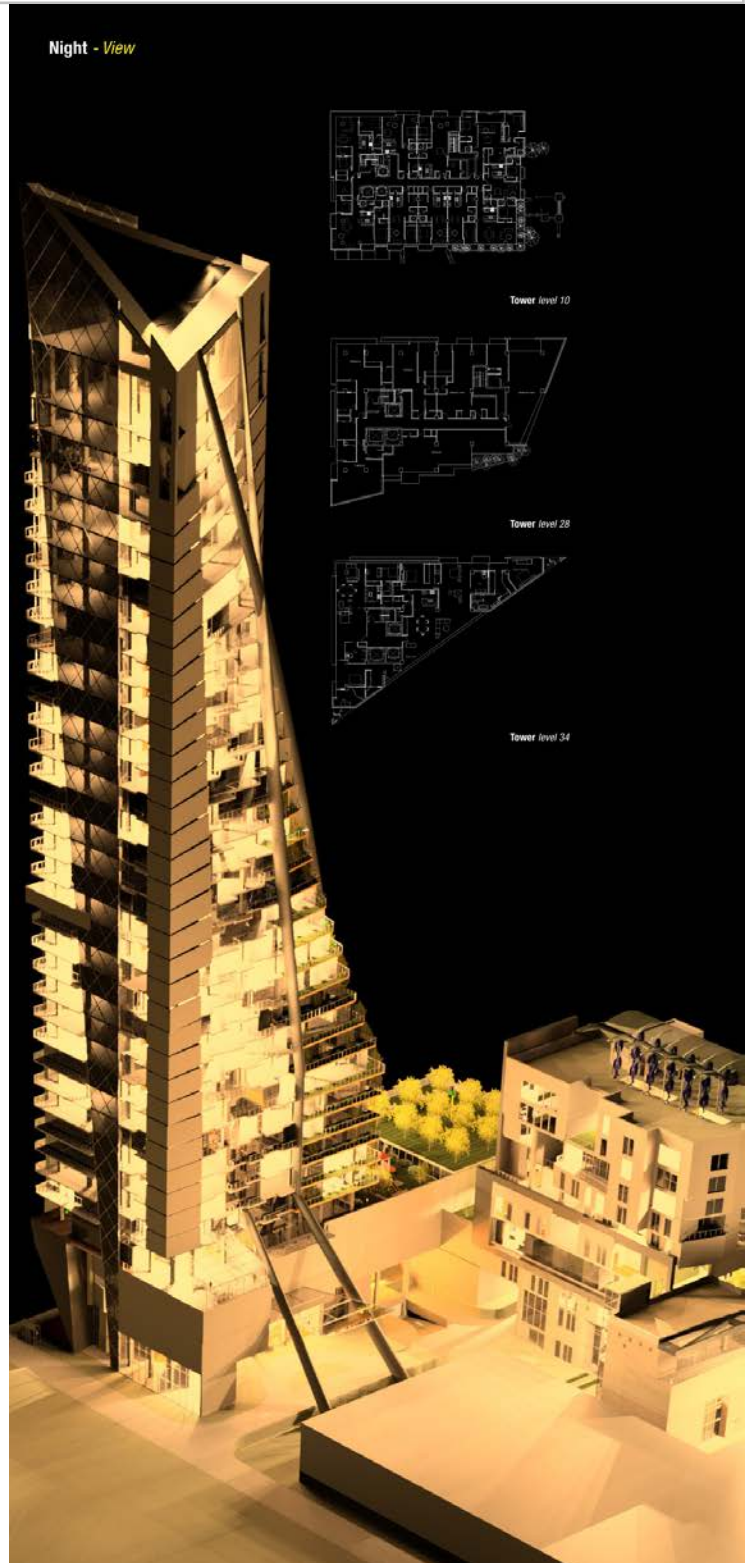


Photo (L to R): Jeremiah Gammond, OAAAS President, Domenic Serravite, IBI Group Sponsor Representative,
Award Winner - Giselle Mujica Pocay

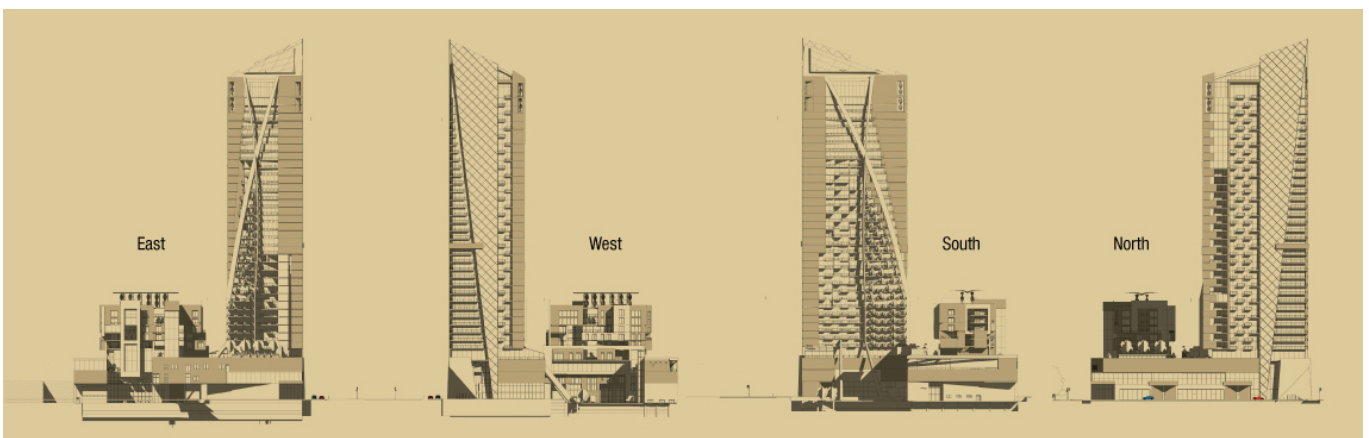
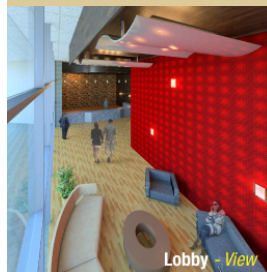


Sustainable notes

Green Roof: An intensive green roof was been incorporated into the complex. In the level number 3, the idea is that all the residents can enjoy of an area during the summer time with clean air and exotics plants to improve their life style

PV solar Glass: pv glass are proposed to be installed on the roof of the Tower. The roof of the Tower is a Triangle with 30 degree slope facing south which help to receive the solar radiation more effectively and directly to the solar glass.

Wind Turbines: Four turbines are located in the edge of the triangles in the pent house area. In the Subsidized Building, the concept of cross ventilation was incorporated. The central corridor is interconnected between levels by openings in the floor. The roof has an opening that allows air to flow due to the chimney effect. To take advantage of the design, some wind turbines were located on the roof at the edge of the opening. The circulation of this air will move the turbines and create electricity and wind turbines integrated into the building.





2nd Place
Individual Project

*Quinte Environmental Education
Centre*

Angela Cox

Loyalist College Belleville



Photo (L to R): Jeremiah Gammond, OAAAS President, Domenic Serravite, IBI Group Sponsor Representative, Award Winner - Angela Cox





1st Place
Group Project

Convergence

**Yanina Ahumada,
Charmaine Candelario,
Andrei Nemes,
Alexander Rocha**

George Brown College Toronto



Photo (L to R): Domenic Serravite, IBI Group Sponsor Representative, George Brown College Award Winners
Jeremiah Gammond, OAAAS President



CONCEPT

Convergence Condominium is located by Toronto's waterfront. The proposed mixed-used residential building was designed to attract those of the Greater Toronto Area community, in hopes that the people by the waterfront and those of the urban city would come together and "converge". With a minimalist approach, concepts pertaining to materiality, form, and sustainability were created to achieve the ultimate goal of enhancing occupant comfort. In context, comfort and beauty defines the architecture of the building, while bridging a connection between the environment, city, and its people. This is achieved by the stepped pattern balcony design, that provides every unit an outdoor space with protection from the sun and wind. In addition, the amenities area is spacious with an outdoor covered pool area, enclosed by v-columns - a captivating structural feature.

SUSTAINABILITY



Sustainability was key during design development. With the goal of enhanced occupant comfort, wind blockers offer a protective barrier against high wind loads as a result of the the adjacent lake. Light coloured materials, known to be reflective, were selected for use inside and out to create better natural daylighting within and minimize heat absorption overall. The stepped balcony feature doubles as overhangs, controlling indoor seasonal sun exposure allowing winter sunlight in and blocking high summer sunlight, minimizing overheating. The condominium is topped with a green roof, designed to minimize the buildings impact on the Urban Heat Island Effect while minimizing cooling costs in the summer and heating costs in the winter. With a goal of minimizing heat-loss, the building is designed with 40% glazing. As for the residential units, they benefit from radiant floor heating, light material finishes, energy star appliances and low flow plumbing fixtures all planned to enhance occupant comfort while minimizing environmental impact.

TECHNICAL EXPERTISE

The 8 storey mixed-used residential building is located on a 5176.3m² site with 39% overall coverage. The ground floor consists of 7 retail units and a spacious residential lobby. There is a total of 80 residential units and 4 penthouse units. Residential units are offered in various layouts: studio, 1 bedroom plus den, 2 bedroom, and 3 bedroom units. The building consists of reinforced structural concrete components with supporting columns and shear walls to maximize efficient construction procedure.





2nd Place Group Project

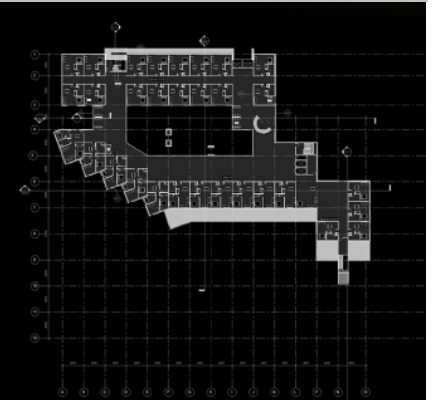
Escalade Seniors Home

**Julia C. Márquez
Giselle Mujica Pocay**

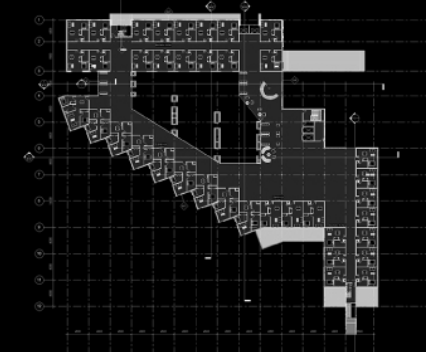
Centennial College Toronto



Photo (L to R): Award Winner - Julia C. Márquez, Domenic Serravite, IBI Group Sponsor Representative,
Award Winner - Giselle Mujica Pocay,



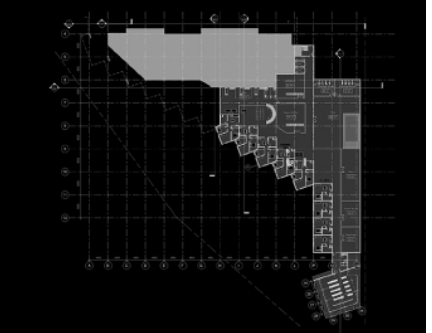
FLOOR PLAN - LEVEL 8



FLOOR PLAN - LEVEL 4



FLOOR PLAN - GR LEVEL



FLOOR PLAN - UD 2



DOORS OPEN 2016

The 17th annual Doors Open event was held on May 28 and 29, 2016. **Over 350 visitors** visited OAA Headquarters as part of the weekend's celebration of Architecture. Visitors enjoyed viewing an exhibit of the 2016 OAA Awards and the 2016 OAAAS Student Award winners.

Visit link to see more images. [Doors Open Toronto](#).



2016 OAAAS Student Awards Exhibition at 2016 Doors Open



Photo (L to R): George Brown College Students - Andrei Nemes, Yanina Ahumada, Charmaine Candelario, Alexander Rocha, Sheridan College Instructor, Daniel Rafique, Sheridan College Students - Mohamed Sassi, Sina Zaman



Photo (L to R): Andrei Nemes, Yanina Ahumada, Charmaine Candelario, Alexander Rocha



The Chocosol Project

During our 2016 awards process the jury came across a particular project which caught their imagination. Although it could not participate in the awards competition as it did not meet all the specific criteria, we felt it needed to be highlighted in some way, so we decided to feature it in this newsletter issue. The Chocosol project is an excellent example of a project that embraces creative sustainable solutions as well as provides students with the invaluable opportunity to work with a real client on a project that will come to fruition in the future.

EMERGING BUILDING TECHNOLOGIES COURSE

The Emerging Building Technologies class at Sheridan traditionally focuses on **energy-efficient technologies** in architecture, and the need and context for **sustainable design**. This semester we were challenged with the problem of fitting such technologies into an actual building renovation/addition. Working with an actual client, a fair-trade **‘chocolate factory’** in downtown Toronto, we needed to ensure we understood not only the functional design problem at hand, but our client’s vision and values. In our client’s words, he wanted the intervention to be an **‘off-grid chocolate factory science centre in the city.’**

As part of Toronto’s initiative to **reduce greenhouse** gasses by 80% by 2050, the **Toronto Atmospheric Fund** is allotting \$320 million of grants to initiatives that can reduce

emissions and grow the economy. Specifically,

“The government has made \$49 million available to industrial GHG emitters to encourage adoption of leading-edge technologies, while supporting entrepreneurs in developing creative solutions. Another \$25 million is available to help small and medium-sized businesses reduce emissions and become more energy efficient.” - Toronto Atmospheric Fund

Our scheme aims to make **ChocoSol** a champion of energy-efficient architectural technologies by making those technologies **apparent, observable and accessible** by its visitors, while also fulfilling the program’s primary purpose of being a chocolate production facility, and an **educational commons** for fair-trade chocolate. In this way, we hope to access some of the Atmospheric Fund for our client.

From our client, Michael Sacco: “In the age of climate change, small plot intensive

agro-ecology is the only way to feed the world’s population while putting more carbon and nitrogen into soil and biomass than in the atmosphere.

Small plot intensive urban manufacturing of food is the flip side to this food production model and puts more money directly into the hands of the innovators who are confronting the crisis of climate change. This educational, ecological, and cost effective urban manufacturing design is a way to demonstrate to the city of Toronto the opportunities that this shift in our global ecological, economic, and political policies can present. This project is an attempt to translate these questions into best practices, local, sustainable, and replicable models at the urban level showing artisans, ecopreneurs, and even ordinary citizens what is possible with lots of initiative and not exorbitant amounts of capital (less than 1.5M).”

....continued on page 16

PROJECT DESCRIPTION

The existing structure is a two-storey storefront type building at St. Clair and Dufferin in Toronto. The Client, ChocoSol, seeks an addition plus renovation to a new programmatic model: *'off-grid chocolate factory science centre in the city.'*

Since construction could not halt chocolate production, the addition was designed vertically, as a five-storey structure situated in a large vacant courtyard at the rear of the lot abutting an alley. A portion of the addition is cantilevered over the existing building, while new foundations allow for increased basement space, two storeys below grade.

The *educational centre* aspect of the program meant that much of the functional production spaces became public. In a similar fashion, sustainable technologies throughout the building were designed to be visually accessible by visitors. For example, a living green wall encompasses an outdoor rooftop soil/seed-making production space; a gravity-feed grey water harvesting cistern is constructed at the top of the elevator shaft, visible from the rooftop space;

solar photovoltaic and solar thermal panels reside at the south face of the new structure, visible from the alley and a second rooftop space. The services, 'guts', pipes, and conduits that emanate from such technologies to their respective destinations throughout the building are also designed to be visually accessible, behind glass and operable panels, as they meander through walls and floors.

In this way, our ChocoSol intervention seeks to educate its visitors not only about sustainable, horizontally-traded chocolate production and its history, but also about the need and context for sustainable design in architecture.

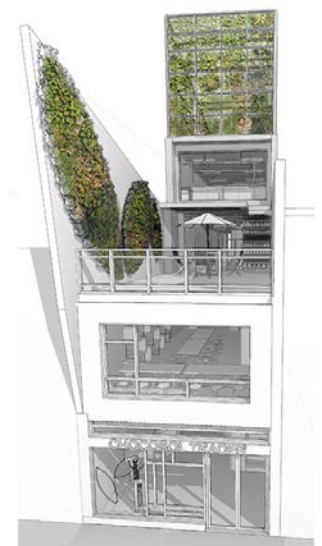
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SECTIONAL PERSPECTIVE



ALLEY VIEW



STREET VIEW



LIVE / WORK AREA



EDUCATIONAL COMMONS
CONVIVIAL TECHNOLOGY SHARING

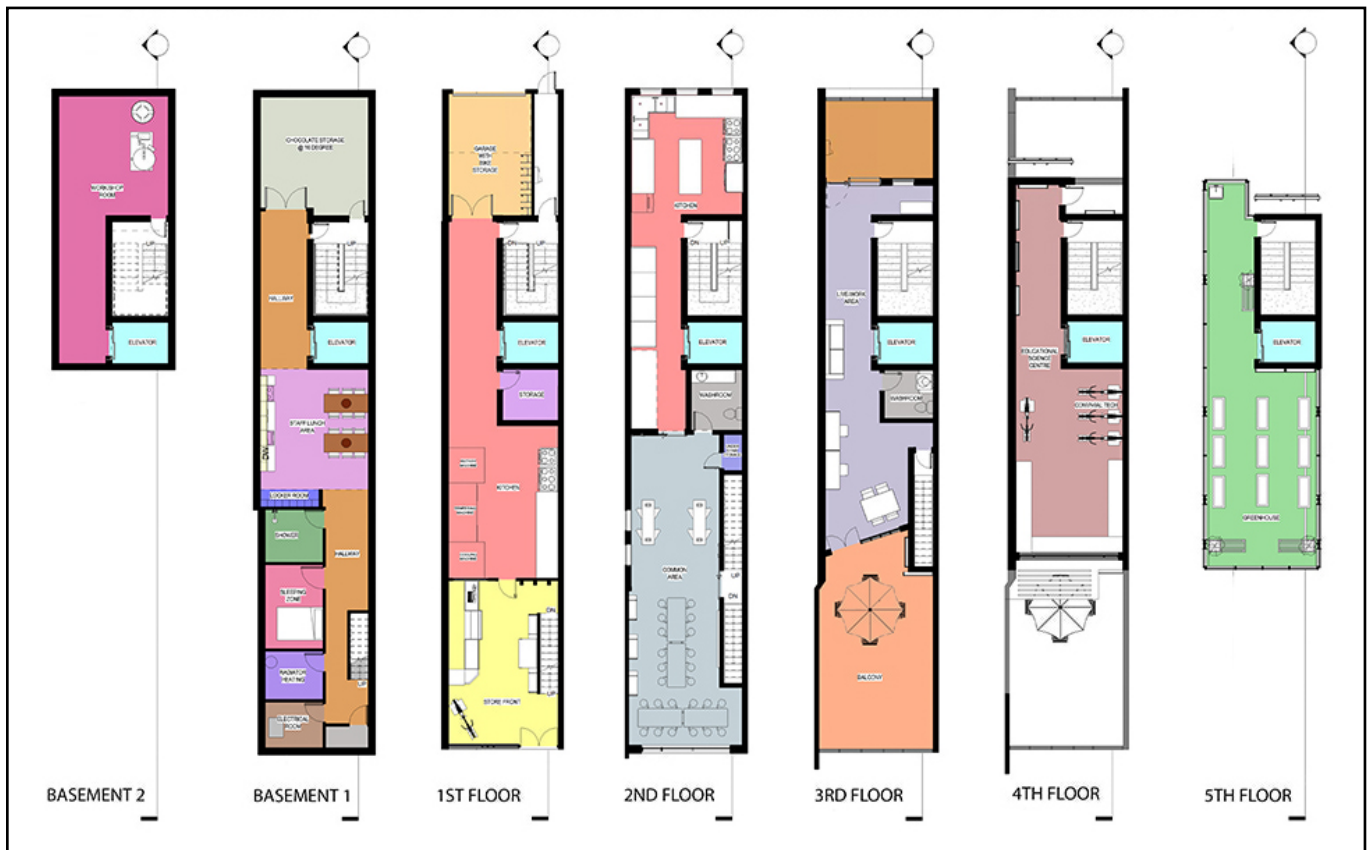
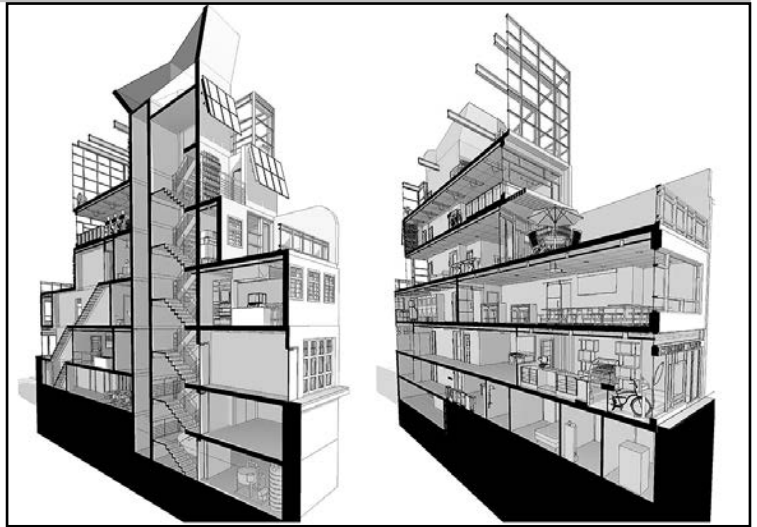
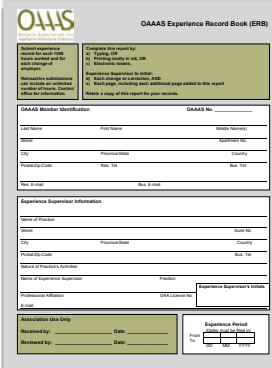


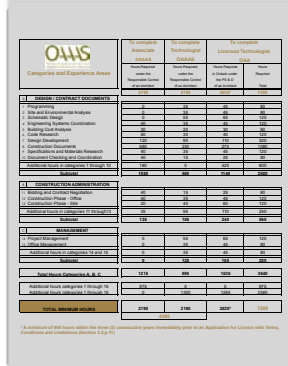
Photo (L to R): Daniel Rafique, Sheridan College Architectural Technology Faculty Member, Sheridan College Students - Mohamed Sassi and Sina Zaman

Documents that will assist you to submit your work experience hours



The image shows the OAAAS Experience Record Book (ERB) form. It is a structured document with sections for member information, experience supervisor information, and a table for recording experience hours. The form includes fields for name, address, phone, email, and various experience categories. It also has a section for the experience supervisor's signature and a table for recording experience hours.

[Click for Experience Record Book](#)



The image shows the Category + Experience Areas Chart. It is a table that lists various experience categories and the required activities for each. The table is organized into columns for different experience areas and rows for specific activities. It includes a summary table at the bottom showing the total required hours for each category.

Category + Experience Areas Chart
[Click here for PDF](#)

Submitting Your Work Experience Hours

As soon as you join OAAAS, you should begin submitting your work experience hours. This involves keeping track and recording your newly accumulated work experience hours on the official [Experience Record Book](#) (ERB) and mailing it periodically to the OAAAS office for validation and calculation, approximately every 1000 hours. This rule does not apply to retroactive submissions which are experience hours gained prior to joining OAAAS, which must be submitted within three months of joining OAAAS.

Once your hours have been calculated you will receive a Summary Report that highlights the specific hours that are still required to move to the next certification level. For complete instructions and necessary documents visit the [OAAAS Program Guide](#). See below and side bar for examples of the key documents that will assist you in reporting your work experience hours. See Program Guide for further details.

In total, a member is required to obtain a minimum of 7200 hours of experience in specified categories while working with or for an architect. Check the Program Guide for a description of the acceptable architectural employment situations.

New Associate OAAAS members can submit an unlimited amount of retroactive work experience within the first three months of joining OAAAS. This opportunity allows new members to complete their Associate OAAAS work experience hours faster and reach the Technologist OAAAS level of certification. At present, there is no limit on the number of experience hours you can claim retroactively, providing the submission is within the three month deadline. See the following documents found in the OAAAS Program Guide for further instructions.

Instructions for Completing Experience Record Book - ERB

(Program Guide, Page 12)

Category Descriptions + Required Activities for Work Experience Hours

(Program Guide, Appendix B)

OAA CLASSIFIEDS

If you are looking for a new employment opportunity, we highly recommend that you visit the Classified Section of the OAA website where new employment postings are continually posted for architects and ARCHITECTURAL TECHNOLOGISTS.

See [EMPLOYMENT OPPORTUNITIES](#) for ongoing new employment postings.



The Ontario Association for Applied Architectural Sciences is an association for technologists working in the architectural field. Through OAAAS, a qualified professional can become a Licensed Technologist OAA and member of the Ontario Association of Architects.

Our Mission

The OAAAS establishes the education, experience and examination requirements for three categories of building designers: Associate OAAAS, Technologist OAAAS and Licensed Technologist OAA. The OAA Council has established the scope of practice and the terms of the limited licence.

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