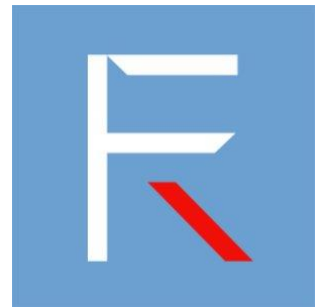


June 2022

RAIC Foundation Awards

Celebrating our Students, Interns and Young Professionals

RAIC Foundation

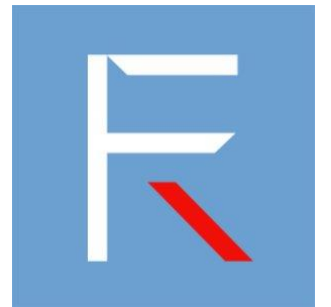


About the RAIC Foundation

The RAIC Foundation was established in 1964 to strengthen the architectural profession: by advancing excellence and knowledge in Canadian architecture; by supporting programs that ensure a vibrant place for architecture in Canadian society and with this, a strong architectural profession throughout Canada. (For more information: <https://www.raicf.ca/en/>)

Awards Programs

The foundation manages a portfolio of annual and biannual awards, scholarships and endowments designed to promote public discussion of architectural ideas affecting society; support scholars in advanced research relating to community and the built environment; and assist students and interns in their architectural programs.



June 2022

2022 RAIC Foundation Awards

- Arts and Letters Club of Toronto Foundation Award for Architectural Conservation
- CaGBC Scholarship for Sustainable Design and Research
- College of Fellows Centennial Fund
- RAIC Foundation Bursary
- Vince Catalli Scholarship for Sustainable Architecture Innovation



Arts and Letters Club of Toronto Foundation Award for Architectural Conservation

This award, which is being given for the first time this year, recognizes emerging heritage conservation practitioners and celebrates excellence, innovation, and best practices in the applied field of architectural conservation while supporting an understanding of Canada's built heritage.

Jury

- Stuart Howard, RAIC Foundation Chair
- Julia Gersovitz, RAIC Foundation Trustee
- Tamara Anson-Cartwright, Program Manager, Heritage Planning at the City of Toronto

Winner

Fiona Hamilton

Dalhousie University (Advisor; Prof. Stephen Parcell)

Obsolescence as Opportunity



Jury Comment

Fiona Hamilton: Obsolescence as Opportunity

Fiona Hamilton's involvement in conservation efforts in Canada, and Glasgow, Scotland, coupled with her expansive education in architecture, environmental design, urban planning, and visual arts were compelling reasons for the bestowing of this award. The Jury noted the public awareness of her research - *Obsolescence as Opportunity: a case for adaptive reuse of century-old industrial architecture in Saint John, New Brunswick* which involves offering a tool kit for the conservation and adaptation of a vacant warehouse and approaching design in smaller, historically significant urban spaces.

Through her work and studies, Fiona has demonstrated her tangible contribution to the field of architectural conservation within Canada. She is currently completing her Master of Architecture design thesis that focuses on identifying and tailoring adaptive reuse methods to small-scale industrial architecture in small urban centers.

Obsolescence As Opportunity

A CASE FOR ADAPTIVE REUSE OF CENTURY OLD INDUSTRIAL ARCHITECTURE IN SAINT JOHN, NEW BRUNSWICK



This project explores the architectural conservation method of adaptive reuse, as a strategy for utilizing century old industrial structures in historic urban centers. Through renovation and the resulting extension of a building's life, this thesis develops an approach to scalable rehabilitation design responses. The design proposal centered around an argument that vacant, underused, and obsolete industrial structures, that are linked historically to everyday life, are an opportunity to utilize our existing built resources and that the retention of these buildings can promote urban strengthening and aid in the linking of a city's past to its future. Specifically, the response proposes to prioritize programming for residents of the Central Peninsula of Saint John New Brunswick.

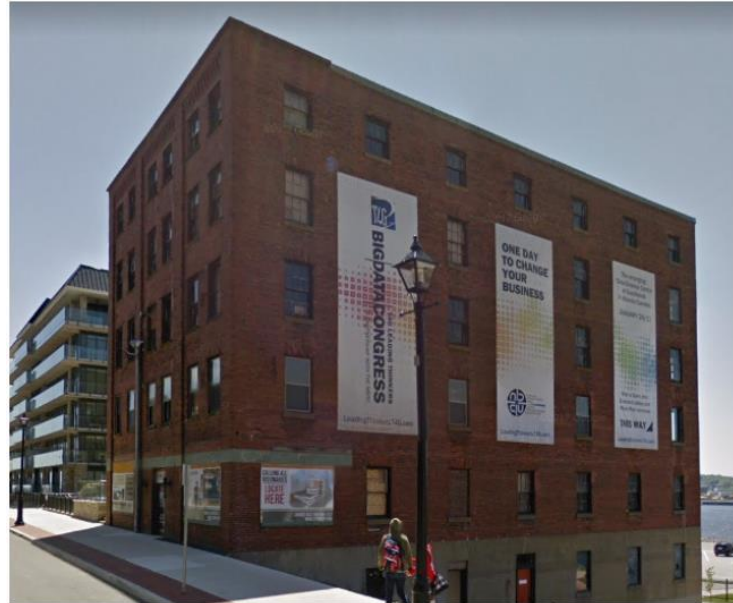
Obsolescence As Opportunity

A CASE FOR ADAPTIVE REUSE OF CENTURY OLD INDUSTRIAL ARCHITECTURE IN SAINT JOHN, NEW BRUNSWICK



McClary Manufacturing Company Building, 1912; Harold E. Wright personal collection

MCCLARY MANUFACTURING
BUILDING ORIGINAL CONDITION 1912



McClary Manufacturing Building, current condition, 2013; Google Street View

MCCLARY MANUFACTURING
BUILDING VACANT CONDITION 2013



PROPOSED ADAPTIVE-REUSE
DESIGN

CaGBC Scholarship for Sustainable Design and Research

Established through an endowment from the Canada Green Building Council (CaGBC) the main purpose of the fund is to nurture the next generation of “green” designers. The award is made to the student or students with the best Master’s thesis proposal.

This year, two winners were selected, and three submissions were given honorable mentions.



Jury

- Vince Catalli, RAIC Foundation Trustee
- Robert Thibodeau, RAIC Foundation Secretary/Treasurer
- Kathy Wardle, Principal, Director Sustainability, Perkins+Will

Overall Commentary on Submissions Received:

WOW! The submissions received for this award were truly a joy to review. Mature and innovative ideas were presented all with unique perspectives that made the mind soar in thought. Our architectural future within Canada looks bright and strong.

Joint Winner

Florence Lacroix

Université de Montréal (Advisor;
Prof. Izabel Amaral)

**Ta Maison Rétrécit // Your
House is Shrinking**

Rashmi Sirkar

University of Toronto (Advisor;
Prof. Kelly Alvarez)

**Why Waste Wood: Resourcify
Toronto's Building Stock**



Honorable Mentions

Tristan O’Gorman

Laurentian University
(Advisor; Prof. Tammy
Gaber)

Maria Ottoni

University of Waterloo
(Advisor; Prof. Adrian
Blackwell)

Rosemonde Gaboury-Salvail & Francis Lavoie

Laval University (Advisor;
Prof. Luis Casillas
Gamboa)

**The Regenerative
Urban Ecology Hubs**

WaterWoven

Nuuttuq



Jury Comment

Florence Lacroix: Ta Maison Rétrécit // Your House is Shrinking

Florence's research project addresses a real-world challenge facing many ecologically sensitive coastal areas that serve as economic generators from tourism. Coastal issues, due to climate change, leave dunes at risk as they are extremely sensitive to global waterway changes taking place. This project is vital as it combines the role that architecture and planning can have in mitigating damage to these very sensitive ecological areas. Florence's proposal to uncover a design intervention that balances economic and ecological needs has the potential to be replicable in other parts of Canada or elsewhere. This project balances community, tourism and economic realities.

Your House is Shrinking

CONSERVATION OF DUNE ENVIRONMENTS IN THE MAGDALEN ISLANDS



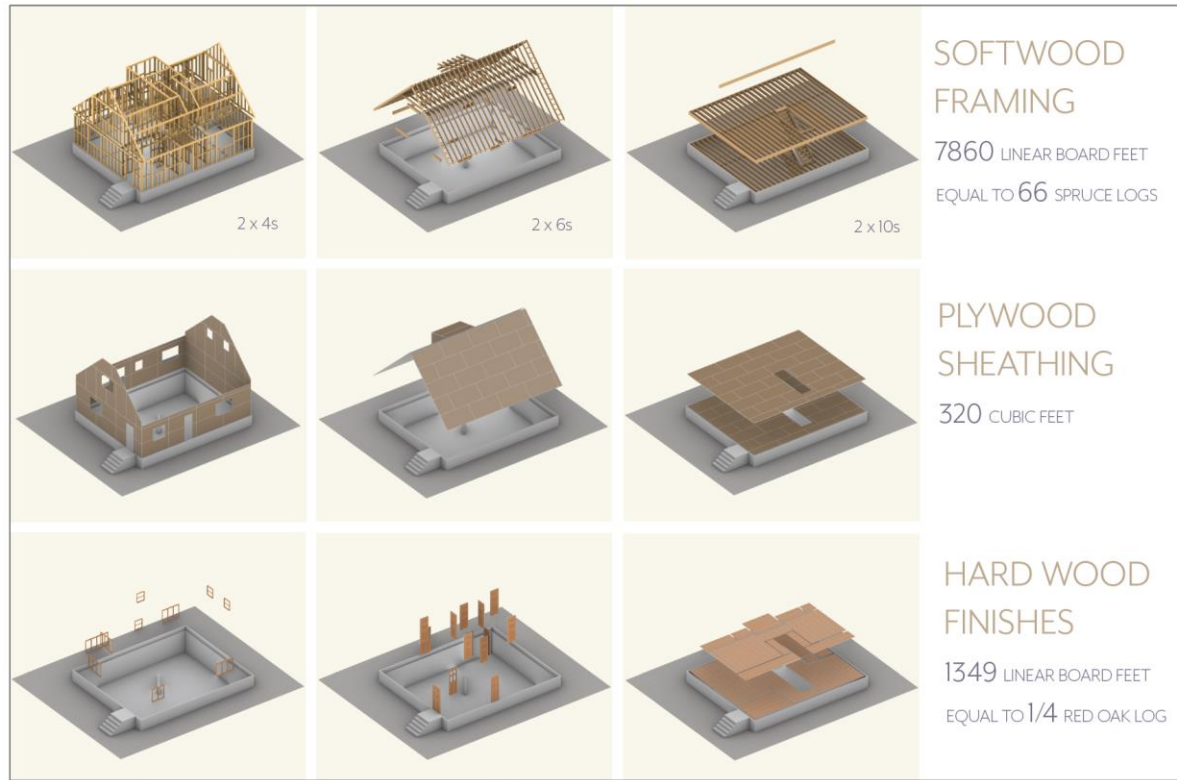
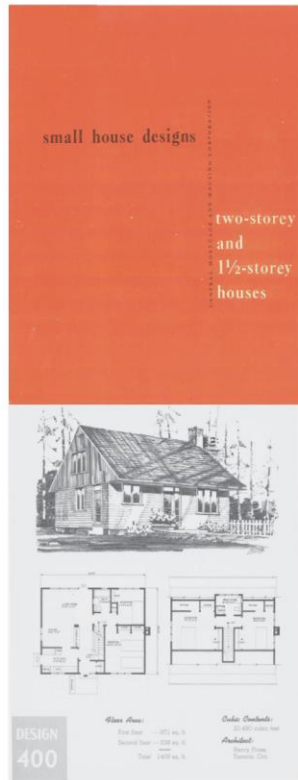
Jury Comment

Rashmi Sirkar: Why Waste Wood: Resourcify Toronto's Building Stock

Rashmi's thesis research presents an important scope of work that is clear, thoughtful and relevant. The circular economy issues raised by this timely research is required to advance the lowering of embodied carbon issues while reflecting on an architecture that considers circular design from the start. Through the assessment of demolition permits and quantification of potential wood waste, the industry can begin to understand the volume of wood material that can be recovered, reused, and repurposed, alongside the benefit of voiding the release of CO2 and methane into the atmosphere. Rashmi's work is timely and relevant to the Canadian Green Building industry.

Why Waste Wood:

RESOURCIFY TORONTO'S BUILDING STOCK



Wood has been the primary building material in Canada since pre-settler colonial times and wood framed single family houses constitute the historic fabric of North American urbanism. As the planet moves towards a carbon-based economy, wood is once more at the forefront of architectural discourse due to its biogenic storage of CO₂. In this moment it is pertinent to ask what of the wood that we are dumping into landfills every year? 40% of all construction, renovation, demolition waste is wood, mainly clean sawn lumber that is landfilled only because it's the cheapest and easiest option.

My thesis research, "Why Waste Wood: Resourcify Toronto's Building Stock" investigates how reusing this resource could keep millions of tones of sequestered carbon from being emitted in the atmosphere while reducing the pressure on solid waste disposal. How can we reinstate a perception of "value" in second-cycle materials that often have the material integrity to last decades beyond the end of its first use-life, and design systems that enable circular behaviors?

Why Waste Wood:

RESOURCIFY TORONTO'S BUILDING STOCK

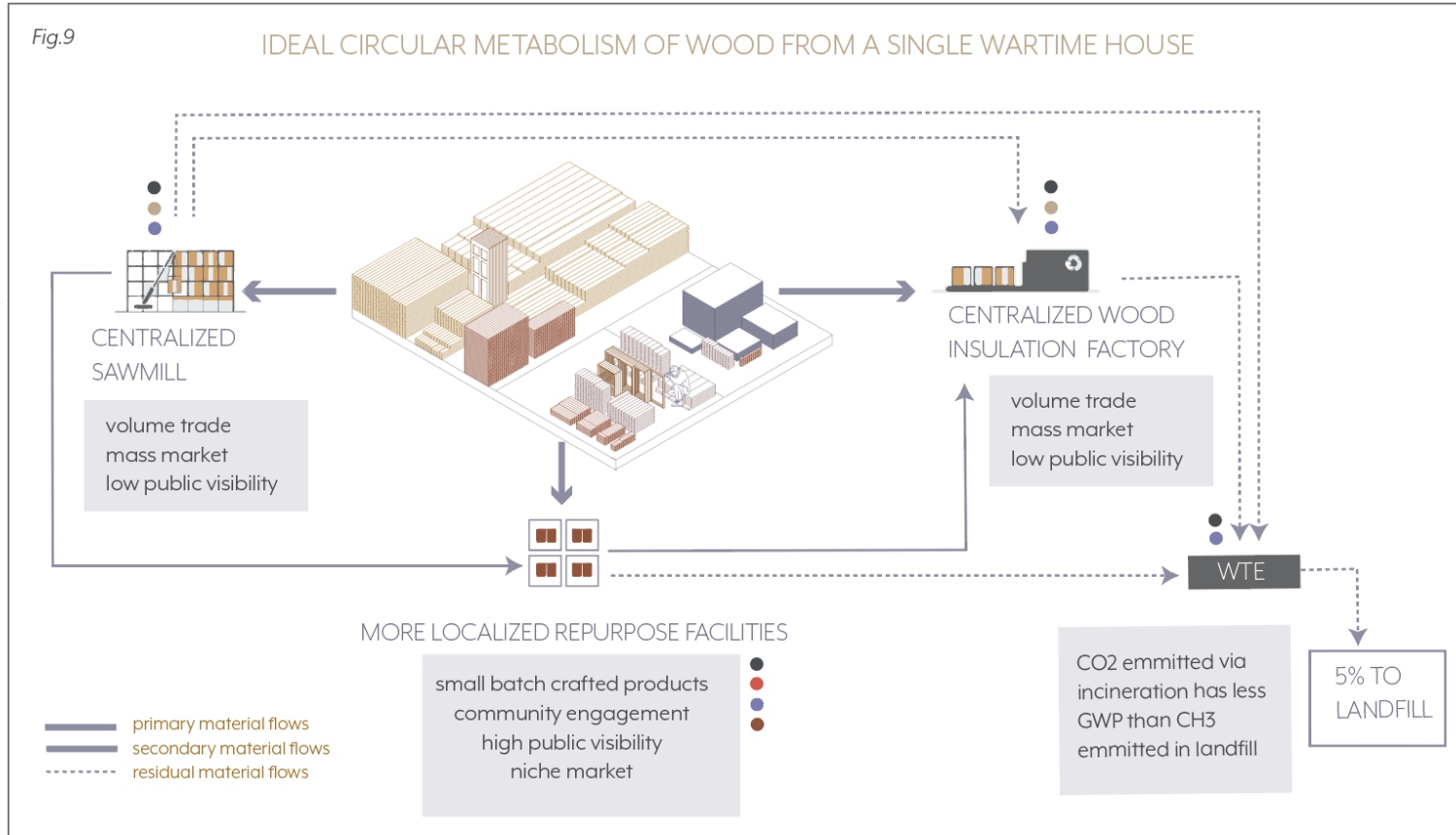
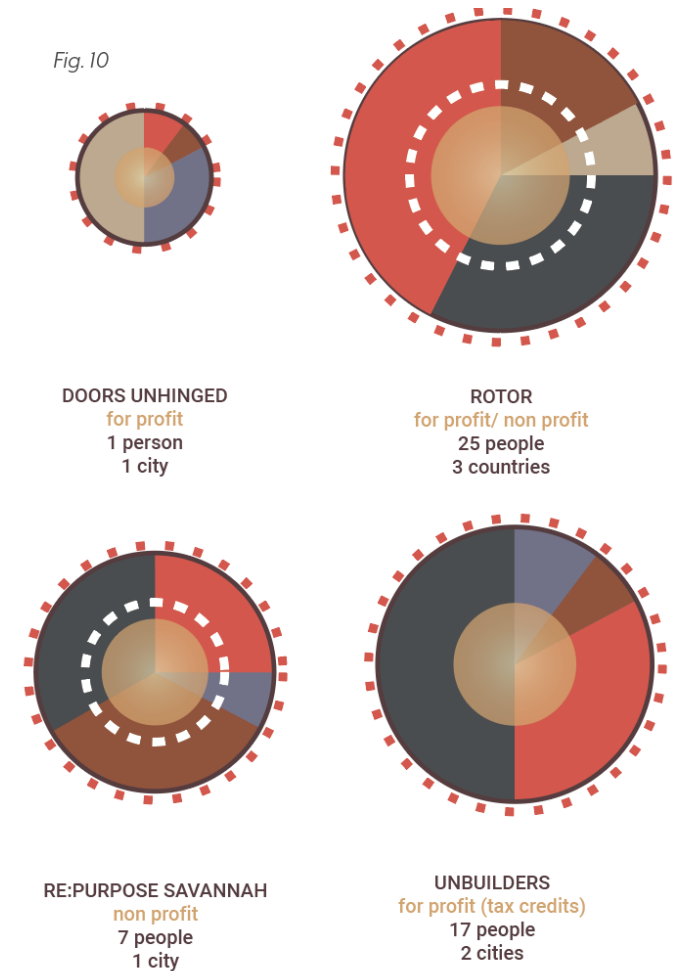


Fig.10



Jury Comment

Tristan O’Gorman: The Regenerative Urban Ecology Hubs

Tristan's thesis project is thoughtful in re-envisioning the role of schools, specifically how schools within the Toronto School District can become urban ecology hubs. This project looks at architects and architecture as change agents by integrating a meaningful ecological curriculum alongside places and spaces that students can explore and learn. Tristan's work can be embraced and replicated by other urban school districts. The act of engagement by the student body is excellent and serves as a reminder how we can all play a role in needed change.



The Regenerative Urban Ecology Hubs



The project responds to the particularly precarious position ecological education has been put in at a time when its lessons of environmental stewardship and social advocacy are most needed – especially in urban settings.

The adaptive-reuse strategy for the first instance of the framework proposed ten life-centered interventions as a means of reimagining an existing school as a didactic living and organism – thus reintegrating ecological teaching with education as a whole.

Jury Comment

Maria Ottoni: WaterWoven

Maria presents a compelling and integrated approach to providing affordable housing while also restoring the river's ecosystems and planning for flood management. The proposed flexible and adaptable "kit of parts" approach to housing is sensitive to the needs of the community. Waterwoven is a rich, well-detailed proposal that addresses both ecological and socially responsible design principles, and it is beautifully presented and communicated.

WaterWoven

LIVING ON THE MARGINS IN THE RONCADOR RIVER REGION, BRAZIL



Sited in Brazil, this study proposes a comprehensive solution for flood risk reduction through an integrated approach in design based on the Aquatecture concept. It also offers good quality and flood-resilient housing for the local low-income population by applying evolutionary housing design strategies based on the Open Building approach to make houses more flexible and adaptable to suit their needs. By recognizing water as an ally, this design proposal aims at building an affordable, flood-resilient, and evolutionary community.

Jury Comment

Rosemonde Gaboury-Salvail & Francis Lavoie: Nuuttuq

Rosemonde and Francis presented a compelling, thoughtful, sustainable design response for the cultural and sports centre in Ilkalutktutiak. The proposed design embodies many key principles of sustainable and regenerative design by carefully considering the local climatic conditions, the sensitivity of the permafrost landscape, and cultural ways of life. Ambitious and wonderfully executed, this project is a good example of the ideal design process as it balances many complex elements successfully.



Nuuttuq

COMMUNITY CENTRE FOR SPORTS AND CULTURE



Nuuttuq is a proposal for a cultural and sports center in Ikaluktutiak, made for the 1700 Inuit inhabitants living above the Arctic Circle, at 69 degrees latitude, in Nunavut. Nuuttuq expresses the migration, the movement between two places. As the natural movement of the once more nomadic population, the building pulses over the seasons, proposing a program involving health and well-being of the Inuit community. These spaces, either interior or exterior, expand according to seasons and uses of the buildings before retracting into the combination of shared use spaces during winter.

College of Fellows Centennial Fund

The College of Fellows Centennial Fund for Interns or Intern Architects was created with donations received from Members of the College of Fellows and Members of the Royal Architectural Institute of Canada to support a deserving Intern or Intern Architect or group of Interns/Intern Architects wishing to promote the value and image of the profession.

Jury

Stuart Howard, Chair RAIC Foundation

Brian Hall, Vice Chair RAIC Foundation

Diarmuid Nash, Trustee RAIC Foundation



Winner

Kanika Kaushal

Society of South Asian Architects (SOSA)



Jury Comment

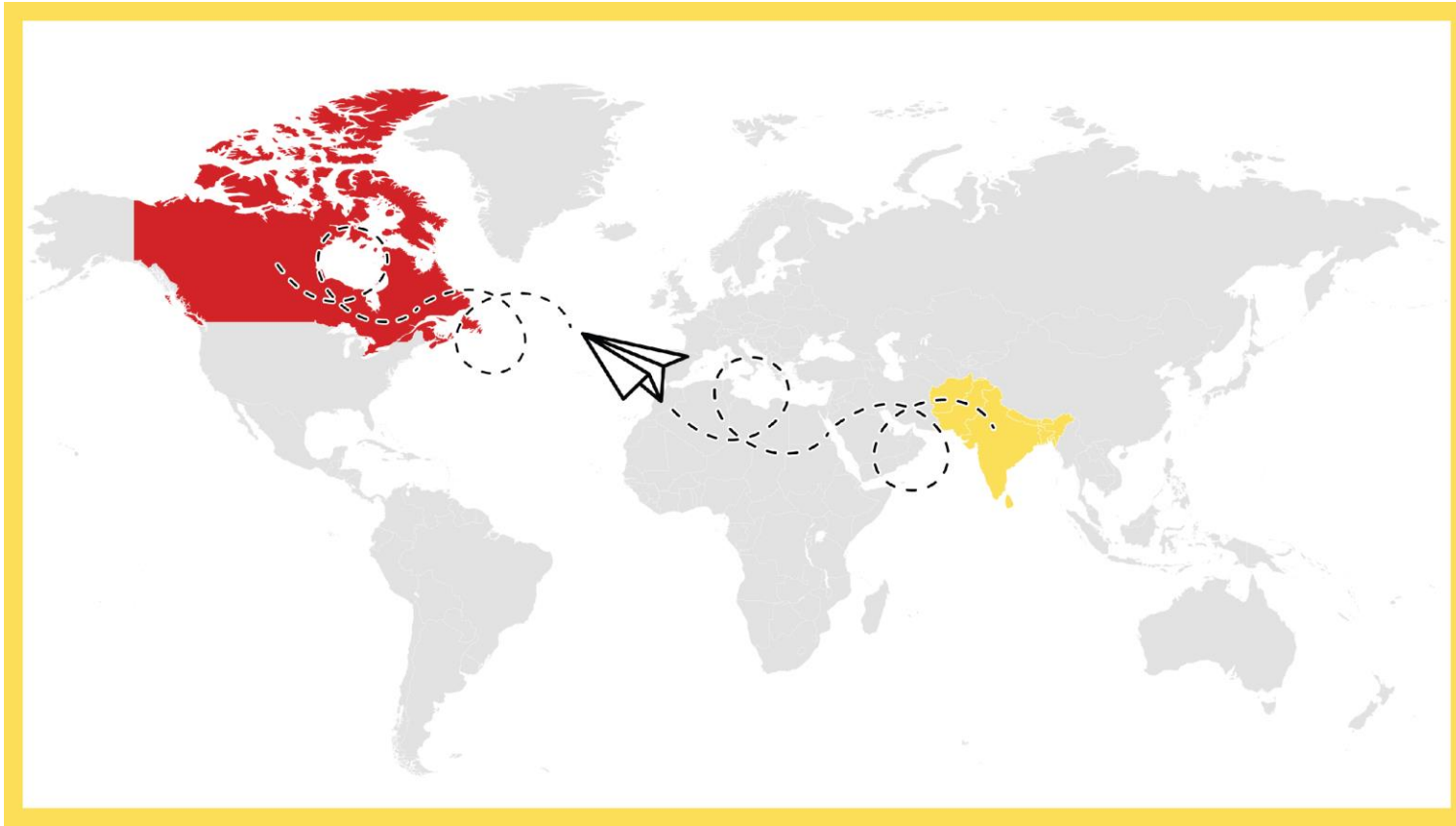
Society of South Asian Architects

This submission offers aid to interns and students entering the profession from Southeast Asia. A terrific tool that seems to be well received by the community.

The jury felt this was an initiative that filled a need in development of architects in Canada.

The assistance on the road to employment, internship and registration as an architect for new arrivals has in the past not really been well provided. This is a well thought out and thorough program, entirely run by volunteers. Well done.

Society of South Asian Architects



Society of South Asian Architects, Canada (SOSA) is a not-for-profit organization that aims to embrace and promote a culture of diversity, equity, and inclusion in the professions of architecture and design.

SOSA was established in 2021 by a small group of architects who identified the need for a community-based professional organization to represent the interests of South Asian architecture and design professionals in Canada.

RAIC Foundation Bursary

The RAIC Foundation bursary has been established for a project that relates to architecture in its broadest sense, that encourages public education, or that makes possible significant scholarly research that results in publications, exhibitions, symposia, lectures, and/or conferences.

Jury

- Dave Edwards, Trustee RAIC Foundation
- Diarmuid Nash, Trustee RAIC Foundation
- Susan Ruptash, Chancellor College of Fellows

Winner

Henry Tsang

Architect, AAA, MRAIC

Assistant Professor, Athabasca University

RAIC Centre for Architecture

The Politics of Placemaking in Chinatown



Jury Comment

The Politics of Placemaking in Chinatown

This submission addresses topics of gentrification, demographic changes and anti-Asian racism. It highlights a well-known cultural identity that could become a crisis for traditional cultural identity in North America. The clearly outlined comprehensive plan will lead to widespread dissemination of the ideas including the publication of papers and a pilot design, furthering the influence of the findings. It also features great collaborations with multiple universities and the involvement of students.

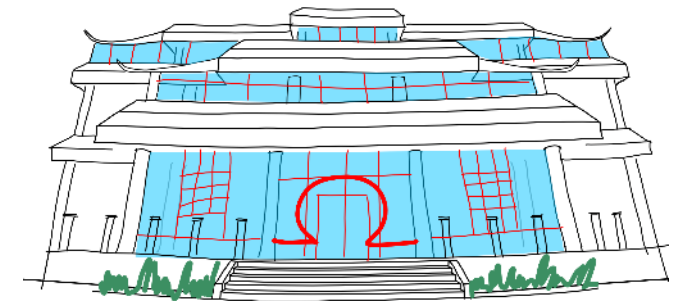
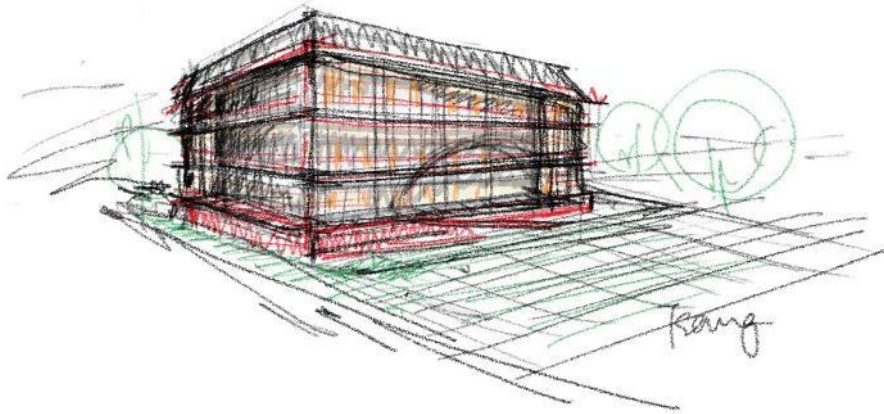
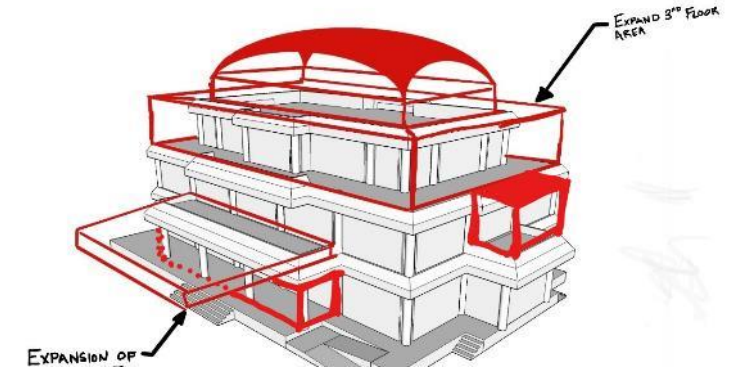
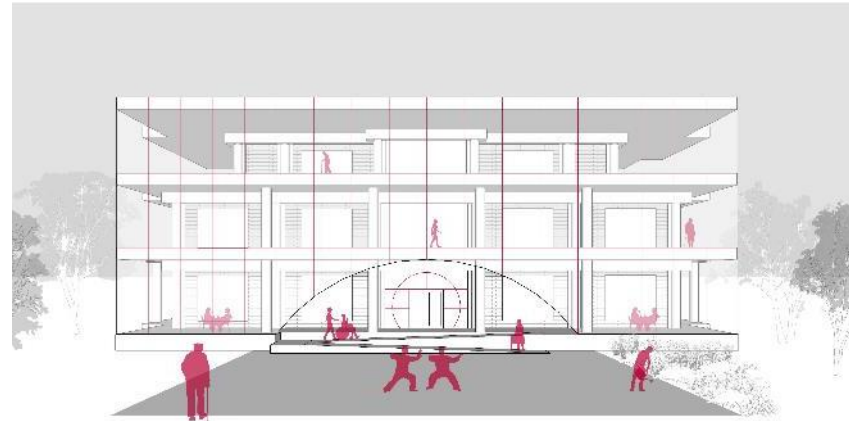
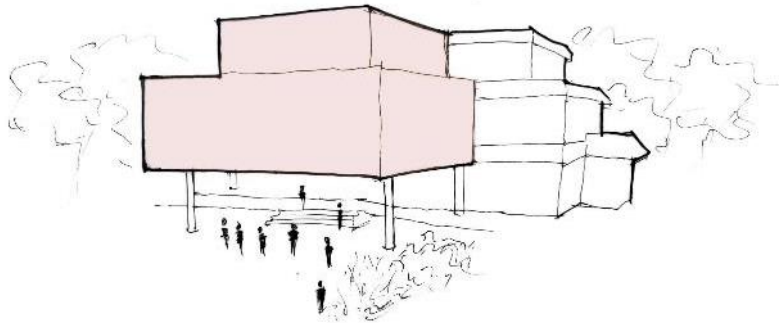
The Politics of Placemaking in Chinatown



The COVID-19 pandemic has hit North American Chinatowns particularly hard, disproportionately affecting local businesses and sparking violent anti-Asian racism. Changing immigration and residential trends among Chinese Canadians and Americans, as well as the emergence of more fluid, hybrid identities, have raised questions of how relevant traditional Chinatowns are to a Chinese population in North America that is more populous, diverse, and dispersed than ever.

This study investigates how Chinatown communities across North America have adopted cultural planning and placemaking strategies in order to protect and revitalize their neighbourhoods in response to several challenges, including gentrification, demographic changes, and anti-Asian racism.

The Politics of Placemaking in Chinatown



Vince Catelli Scholarship for Sustainable Architecture Innovation

this scholarship was endowed through a generous donation from Vince Catelli and is being awarded for the first time this year. The intent of this student award is to promote and encourage innovative, practical scalable and transferable approaches to sustainable design among the next generation of architects in Canada.



Jury

- Susan Ruptash, Chancellor College of Fellows
- Jody Patterson, Program Head, Bachelor of Architectural Science, BCIT
- Drew Adams, Associate LGA Architectural Partners
- Isabelle Bradbury, Creative Director/Principal iba – Isabelle Bradbury Architecture

Overall Commentary on Submissions Received:

The jury was impressed by the sincerity and diversity of submissions from across Canada and in both official languages, ranging from rural to urban and addressing many different climate conditions: sustainability is nuanced and contextual. The calibre of sustainable design thinking from the next generation of young architects is heartening and to be celebrated.

Winner – 1st Place

Raechel Hamilton

Laurentian University (Advisor; Prof. Steven Beites)

Low Carbon Living: An Alternative (Sub)urban Housing Framework for a Rapidly Growing City



Winner – 2nd Place

Kevin Jihoon Jo

University of Manitoba (Advisor; Prof. Lisa Landrum)

Symbiosis City: Rails to Resiliency in Winnipeg



Honorable Mention

Jeth Owen Guerrero

McGill University (Advisor; Prof. David Theodore)

The Cooking Commons



Jury Comment

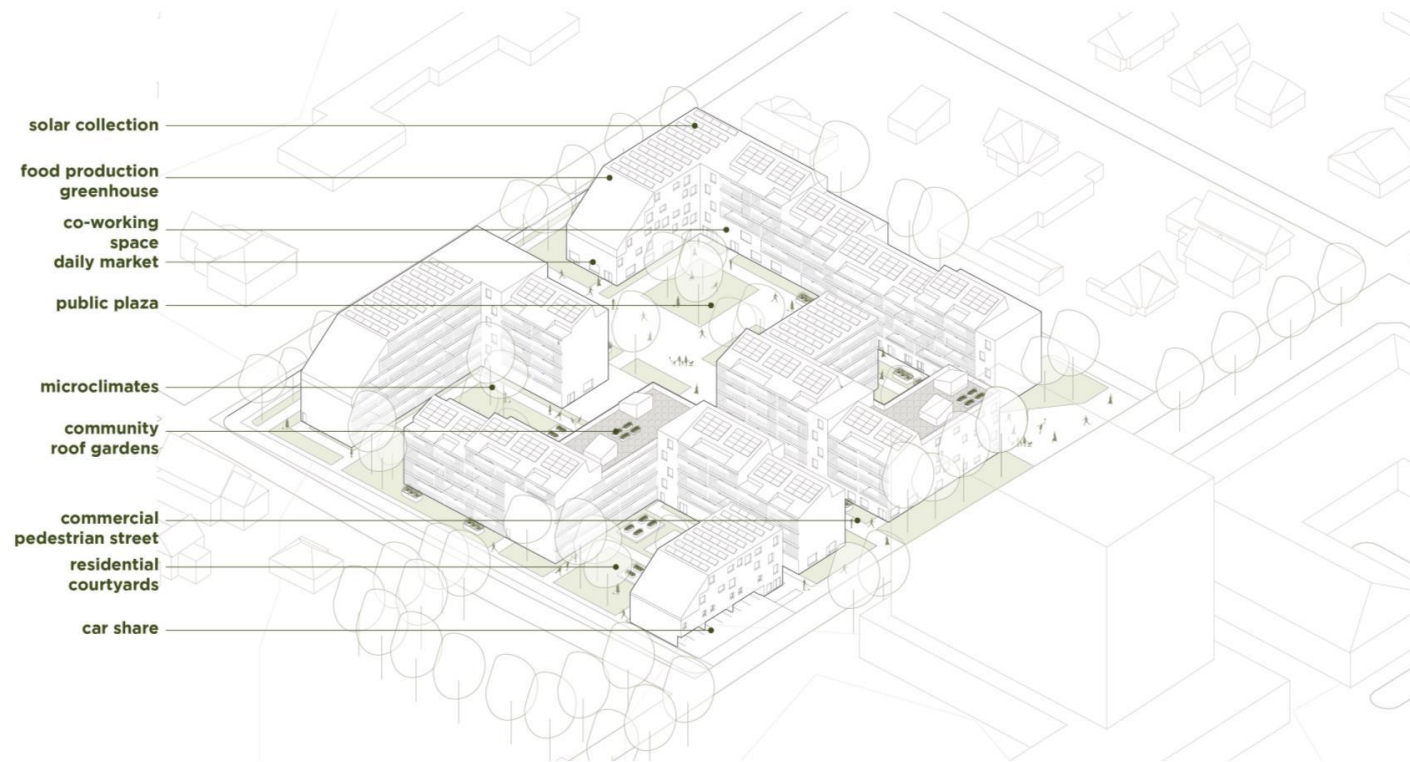
Raechel Hamilton: Low Carbon Living: An Alternative (Sub)urban Housing Framework for a Rapidly Growing City

Raechel Hamilton was one of the few candidates who tackled the contribution of car-dependent low-density suburban development to high carbon emissions. Her solution, to provide a compact community model of medium-rise mixed-use blocks set tightly against the streets sheltering courtyards within, inserts a village within the existing suburban fabric that is inviting to its neighbours as well as its residents with its public spaces, shops and services at street level.

Her project *Low Carbon Living: An Alternative (Sub)urban Housing Framework for a Rapidly Growing City* offers a vision for resiliency, community-scale adaptive reuse and decarbonization through realizable housing solutions. This is a thoughtful, elegant and practical composition that takes a step back from the conventional focus on a single building or structure, in order to examine the role of urban design in promoting walkability, mixed-use and vibrant public space that is essential for our social environment as well as reducing private car dependency and our carbon footprint. It is an eminently practical and scalable solution that could be easily transferable from its Barrie, Ontario site to any suburb in Canada.

Low Carbon Living:

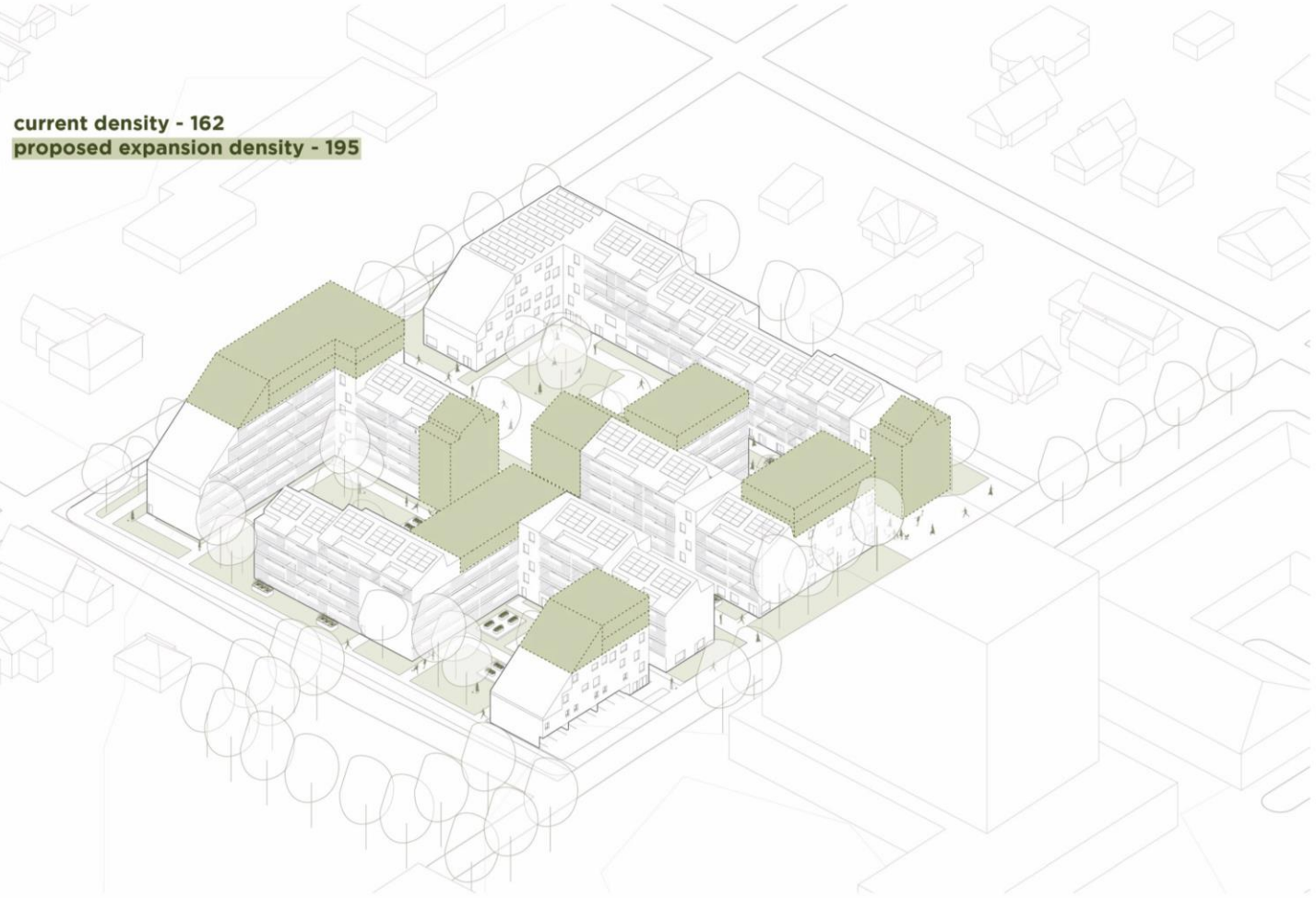
AN ALTERNATIVE (SUB)URBAN HOUSING FRAMEWORK FOR A RAPIDLY GROWING CITY



Post-war immigration, along with the Baby Boom dramatically increased metropolitan populations generating a demand for new housing where suburbanization was the solution. It is in part responsible for the contemporary cities that we live in today, and that are now at the root of the climate crisis. Suburban developments impose challenges of disconnections between neighborhoods, services, and amenities within cities that were solved with the implementation of vehicles. This thesis project explores new housing strategies that emphasize low carbon architecture and lifestyles can be implemented into growing cities to minimize the impacts on climate change and avoid the rampant disconnections of the urban fabric. A sustainable urban development framework has been developed to create a denser and more livable neighborhood in the context of Barrie, Ontario, a rapidly growing bedroom community outside of Toronto.

Low Carbon Living:

AN ALTERNATIVE (SUB)URBAN HOUSING FRAMEWORK FOR A RAPIDLY GROWING CITY



Jury Comment

Kevin Jihoon Jo: Symbiosis City: Rails to Resiliency in Winnipeg

Symbiosis City is an adaptive reuse project that repurposes a vacant railyard warehouse into an urban food production and community facility and the rail lines into a multi-modal corridor connecting downtown Winnipeg with the suburban community to farms along its route and beyond. While it proposes a master plan for the rail lines and food centres, its focus is a single building which would become a cultural hub for food: growing, distributing (grocery), cooking and dining. The model is well thought out and detailed, presenting a single project that could impact this particular community on a social and environmental level and be transferred to a few select sites in Canada. It is a comprehensive project and a holistic model of adaptive reuse and community building.

Symbiosis City:

RAILS TO RESILIENCY IN WINNIPEG



Interior street with vertical farms, grocery, community library, cafe, and bakery.
Connecting the old railway and the community through an interior street featuring urban food programs.



Adaptive reuse artisanal shops in old warehouse.
A place to make, sell and learn local cultural skills in the heart of the city.

Symbiosis City:

RAILS TO RESILIENCY IN WINNIPEG



Outdoor event space.
Celebrating harvest time with a community-led feast. Enriching cultural resiliency through conversation around food.



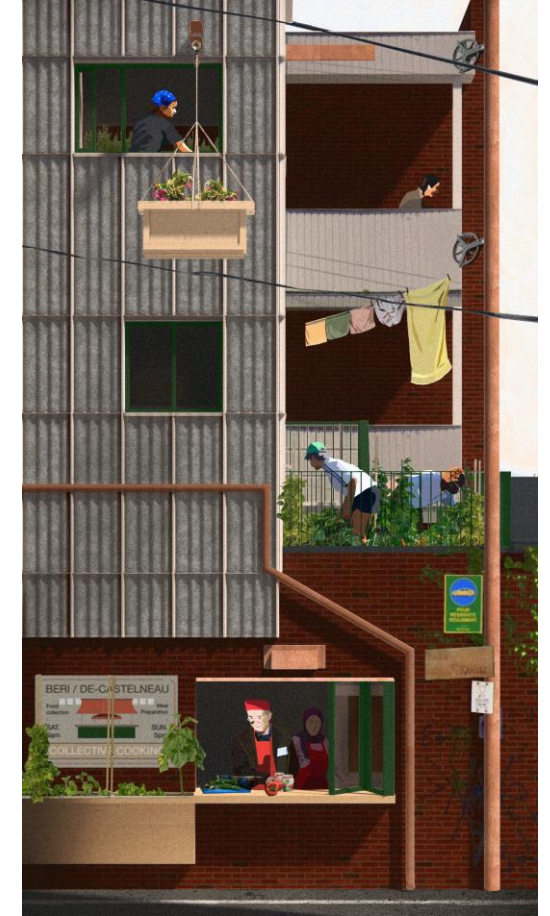
Reimagined railway and local energy production as symbol.
Integration of old industrial buildings back into the urban fabric with renewable energy production.

Jury Comment

Jeth Owen Guerrero: The Cooking Commons

Jeth Owen Guerrero proposes a solution of adaptive re-use that has less to do with a building and more with urban communal spaces set in free-standing garages, storage units or low-rise apartments. It rallies around the concept that the gathering, preparing and consumption of food - from backyard gardens and markets to kitchens and the dining table - that involve small -scale collective practices nurture social as well as ecological and financial resilience. It involves a bottom-up approach to community place-making.

The Cooking Commons

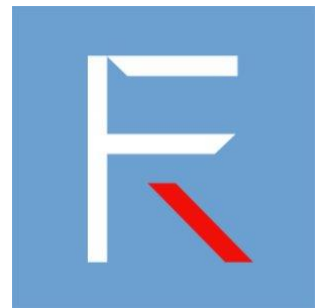


June 2022

RAIC Foundation Awards

This year's awards program attracted submissions from every architectural school in Canada, with the entries displaying an unprecedented level of sophistication and relevance to the issues we face as a profession and as a country.

We would like to thank not only the students, interns and young architects who submitted their work for consideration; but the members of faculty and professional colleagues who supported their work.



THANK YOU!

For additional continuing education opportunities,
visit www.raic.org/continuingeducation



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Royal Architectural Institute of Canada
Institut royal d'architecture du Canada