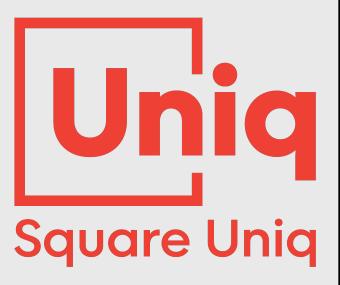
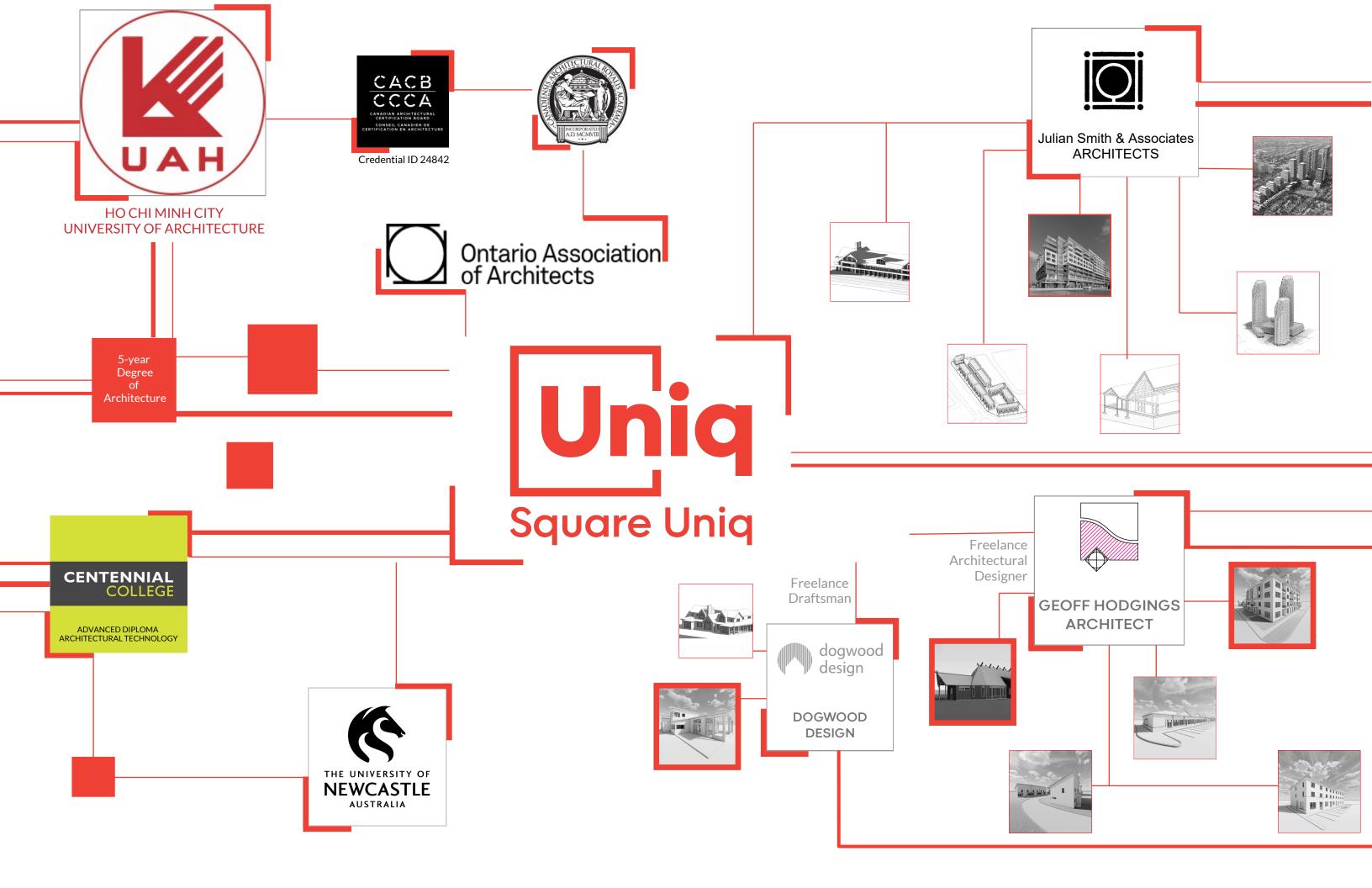
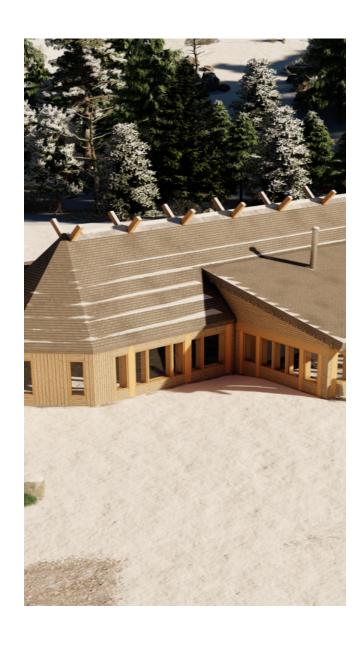
PORTFOLIO

At Square Uniq, we redefine architectural outsourcing by delivering exceptional BIM services, high-quality renderings, and comprehensive construction documents to firms around the globe. Our team is composed of experienced architects, educated and trained in Vietnam, Germany, Australia, and Canada, bringing a rich blend of global expertise and innovative thinking to every project. We partner with architecture, engineering, and construction firms to provide flexible, detail-driven support, helping them achieve excellence with efficiency. With Square Uniq, you gain a dedicated, world-class extension of your team, committed to precision, creativity, and success.





WHAPMAGOOSTUI CULTURE CAMP





TIPI, COOKHOUSE & SWEATLODGE

GEORGE & MAIN MIXED USE





JOYNES & MOXLEY RESIDENCE

WHAPMAGOOSTUI CULTURE CAMP

Project Type: Institutional

Project year: 2023

Area: 6, 525 sqft total building footprint Location: Whapmagoostui, Quebec, Canada

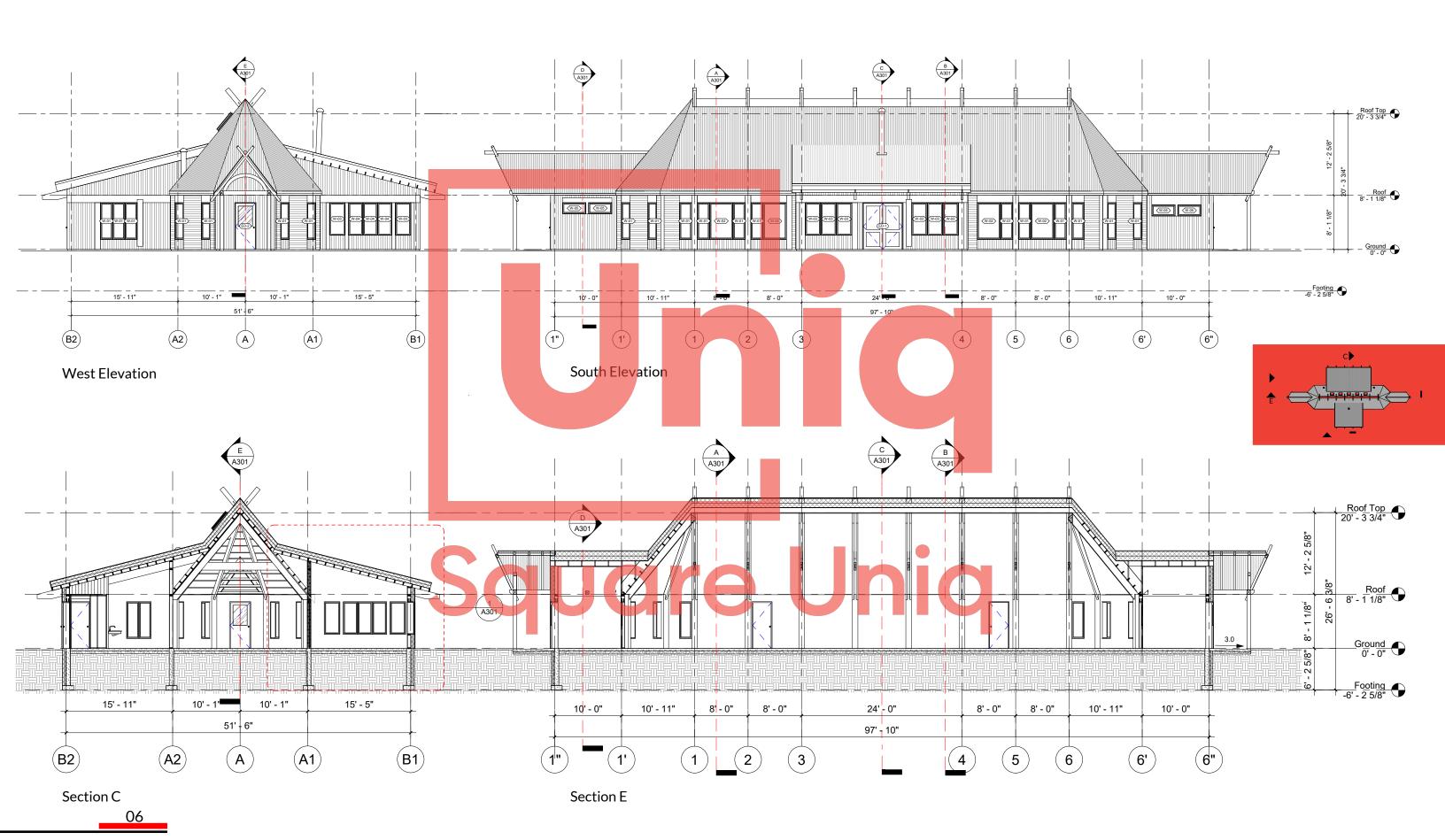
Company: Geoff Hodgins Architects

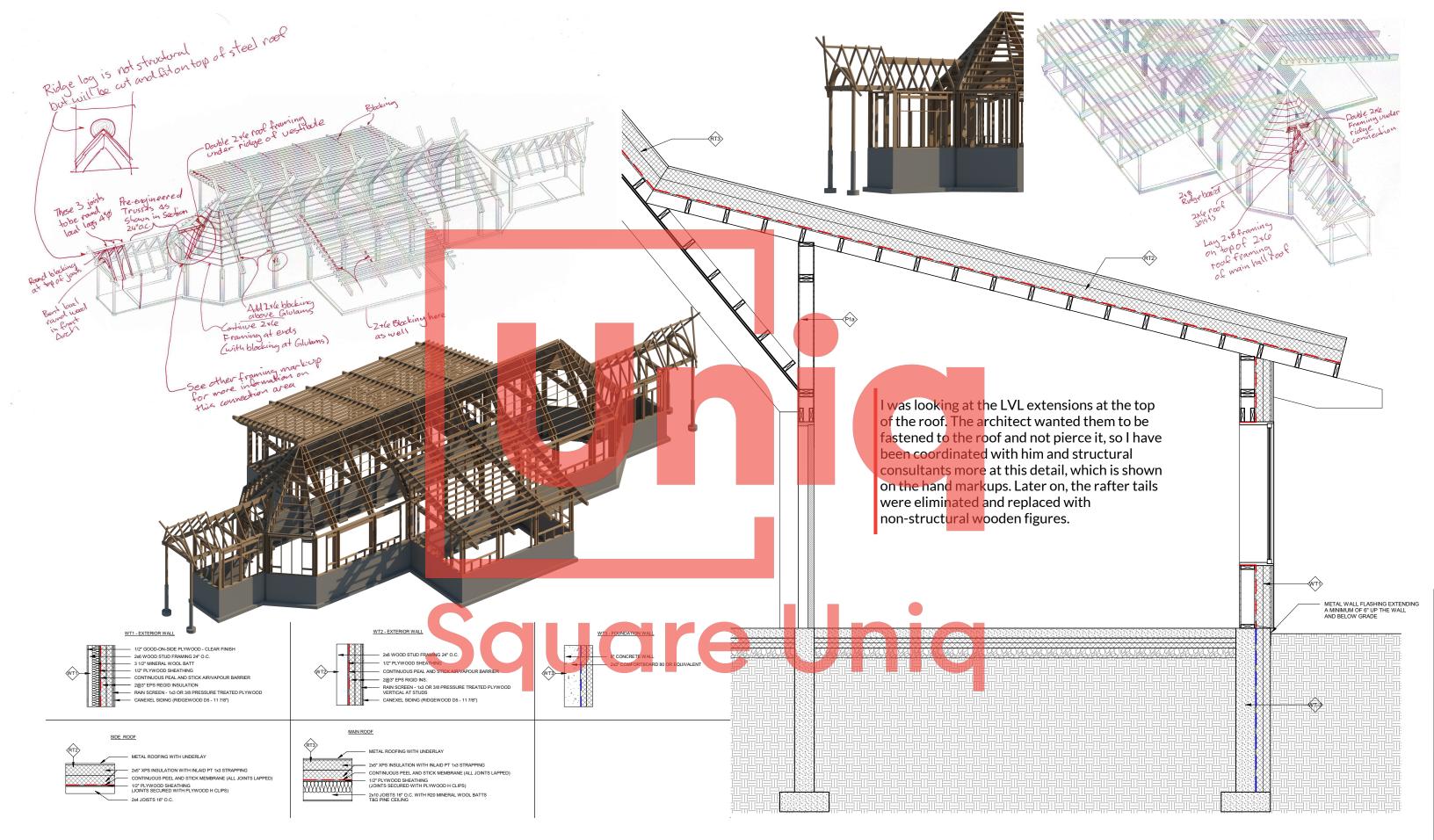
The Cuture Camp is constructed in Whapmagoostui, a Cree village municipality in the territory of Eeyou Istchee in northern Quebec. It includes 4 buildings, a Sheptuan, Tipi, Sweatlodge and Cookhouse, which are inspired by the traditional buildings of the Cree community. Although, woods and local materials will be mostly used, the project aims to be more durable for long-term use in stead of originally seasonal needs. In this project, I helped the architect to prepare all CAD drawings from his hand sketches and instruction to have a review set for community meeting then a permit set using Revit



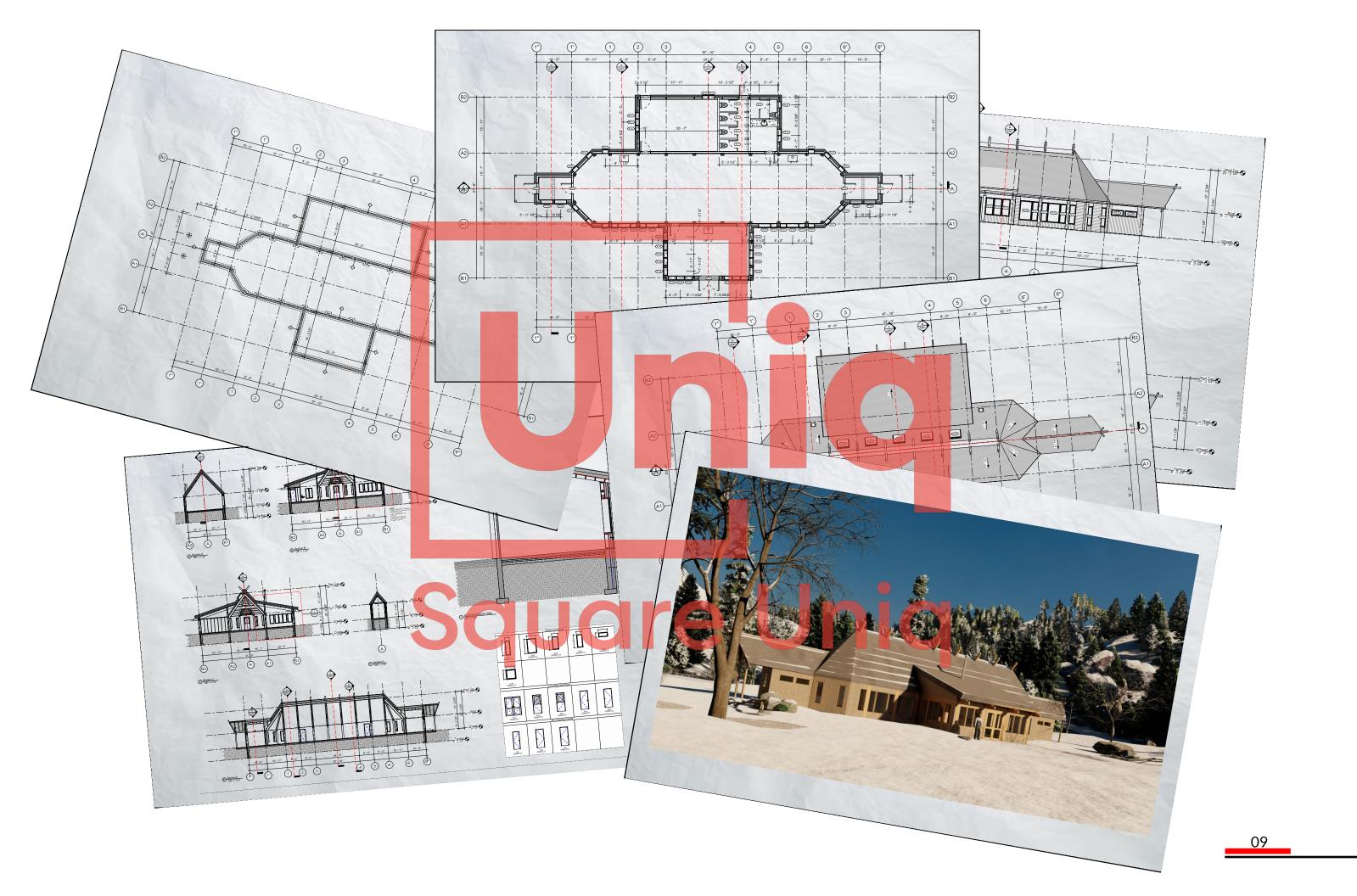
Traditional seasonal
Shaptuan Smoke
House reconstructed
in another Cree
community
traditionally using
wood poles for the
structure and canvas
for the finish





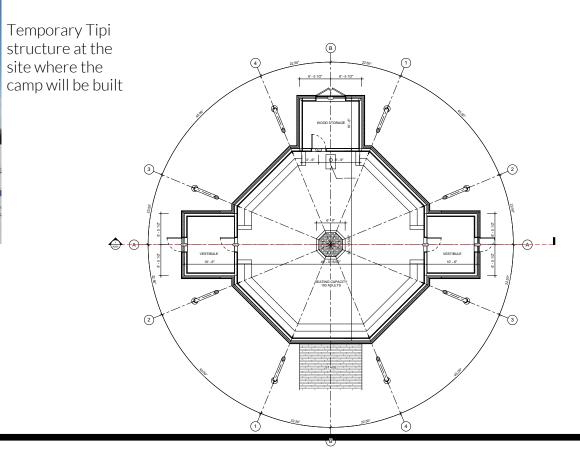


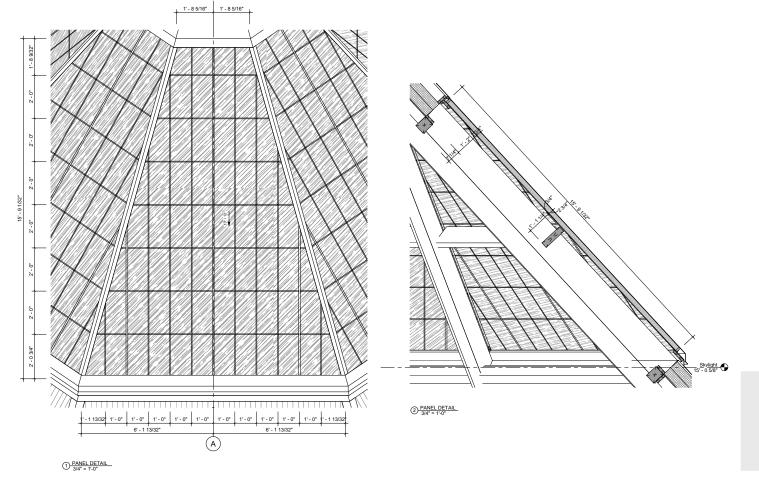


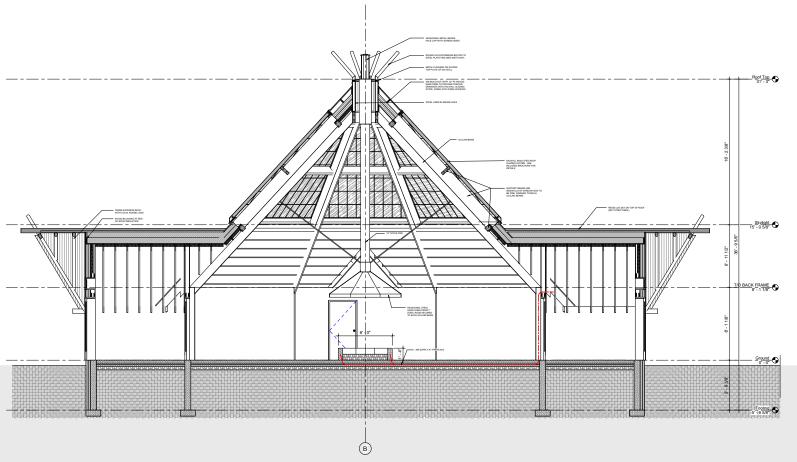


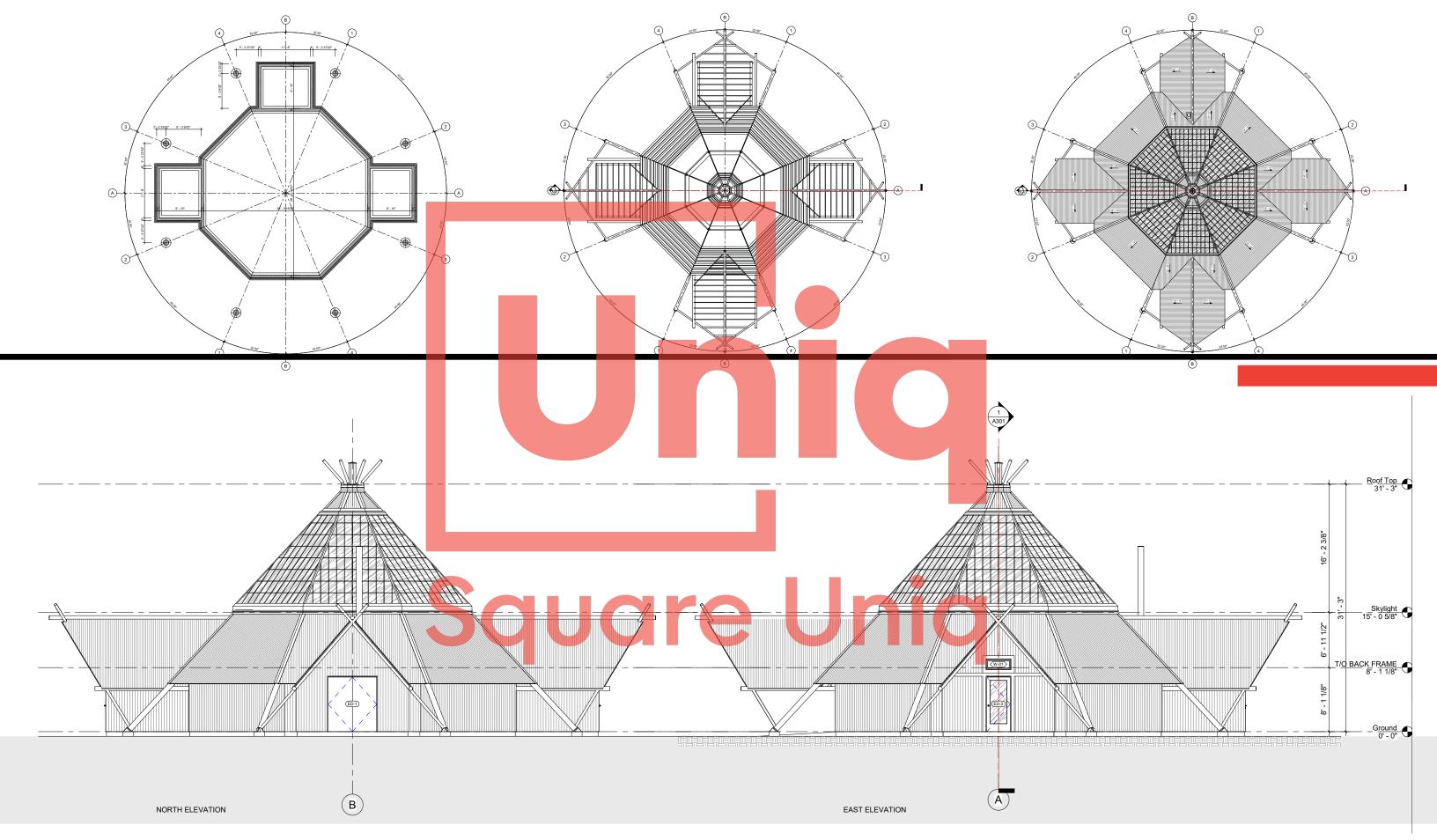


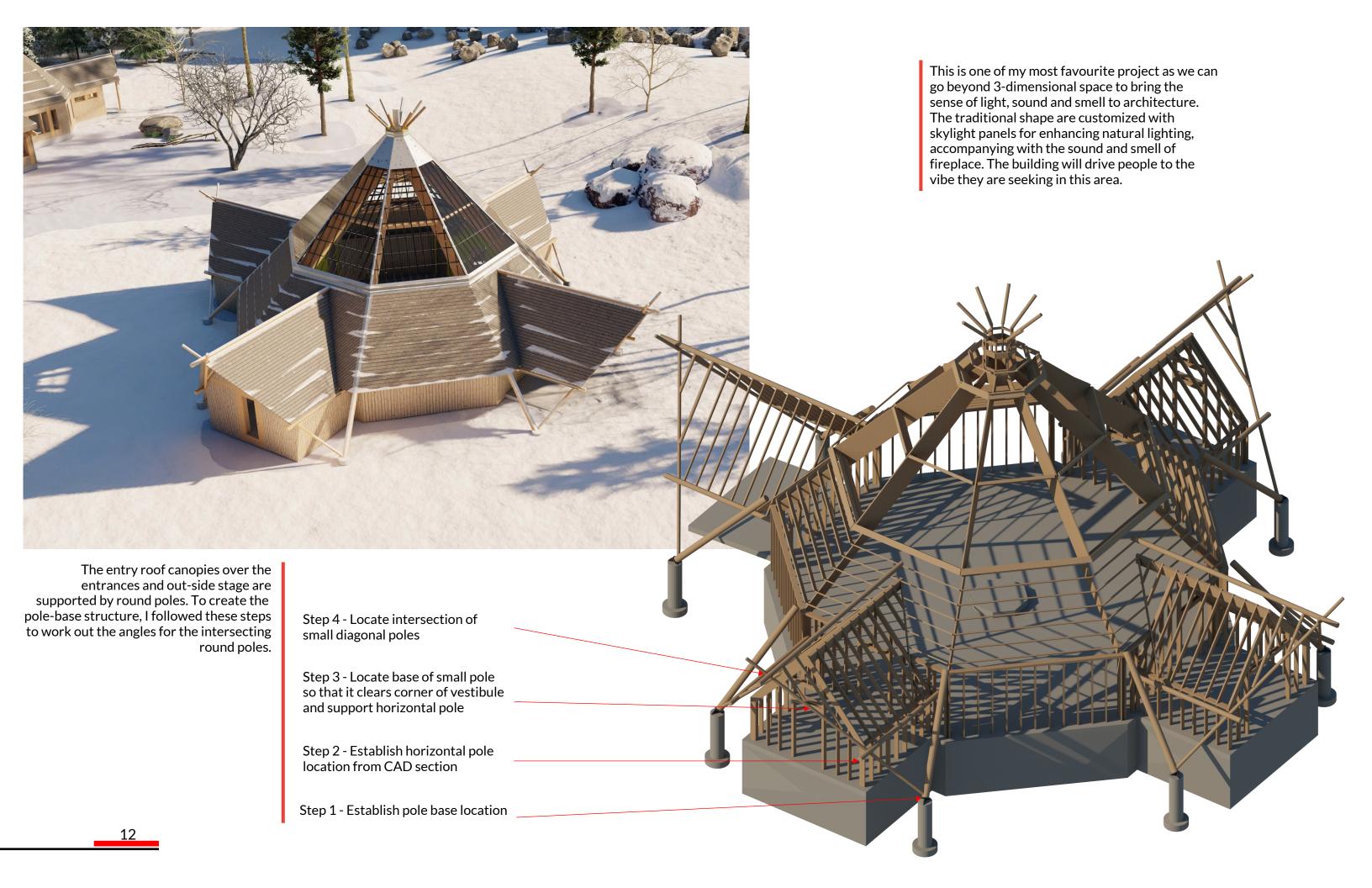
The biggest challenge of the Tipi is to apply glazing roof system into the traditional shape of it. There are support beams and sidewalls of window box to be pined, finished to match glulam beams. Also, the glazing panels needs to be well coordinated with Kalwall supplier.







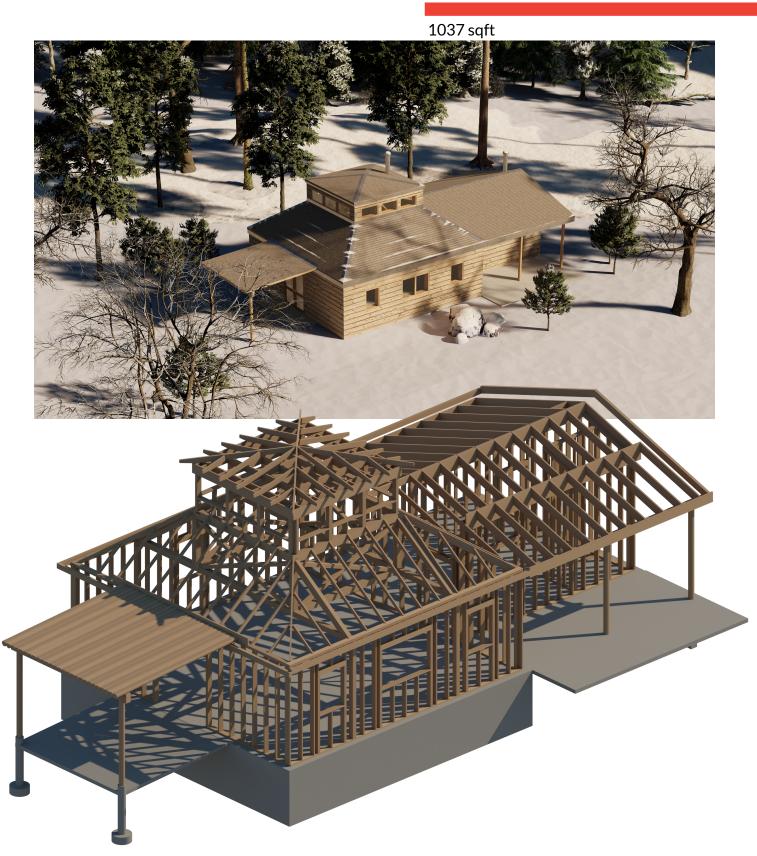




SWEATLODGE

COOKHOUSE

1037 sqft

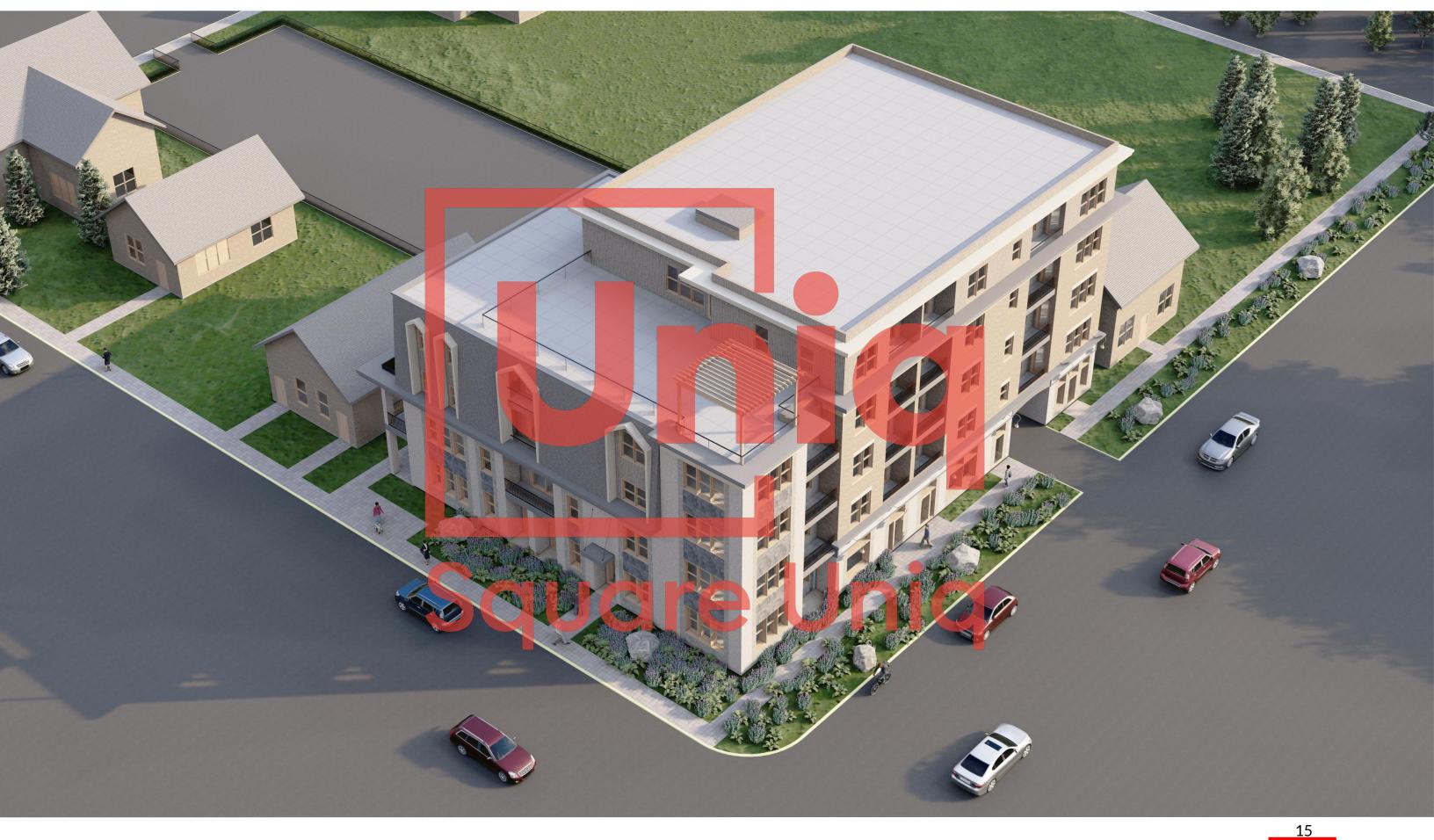


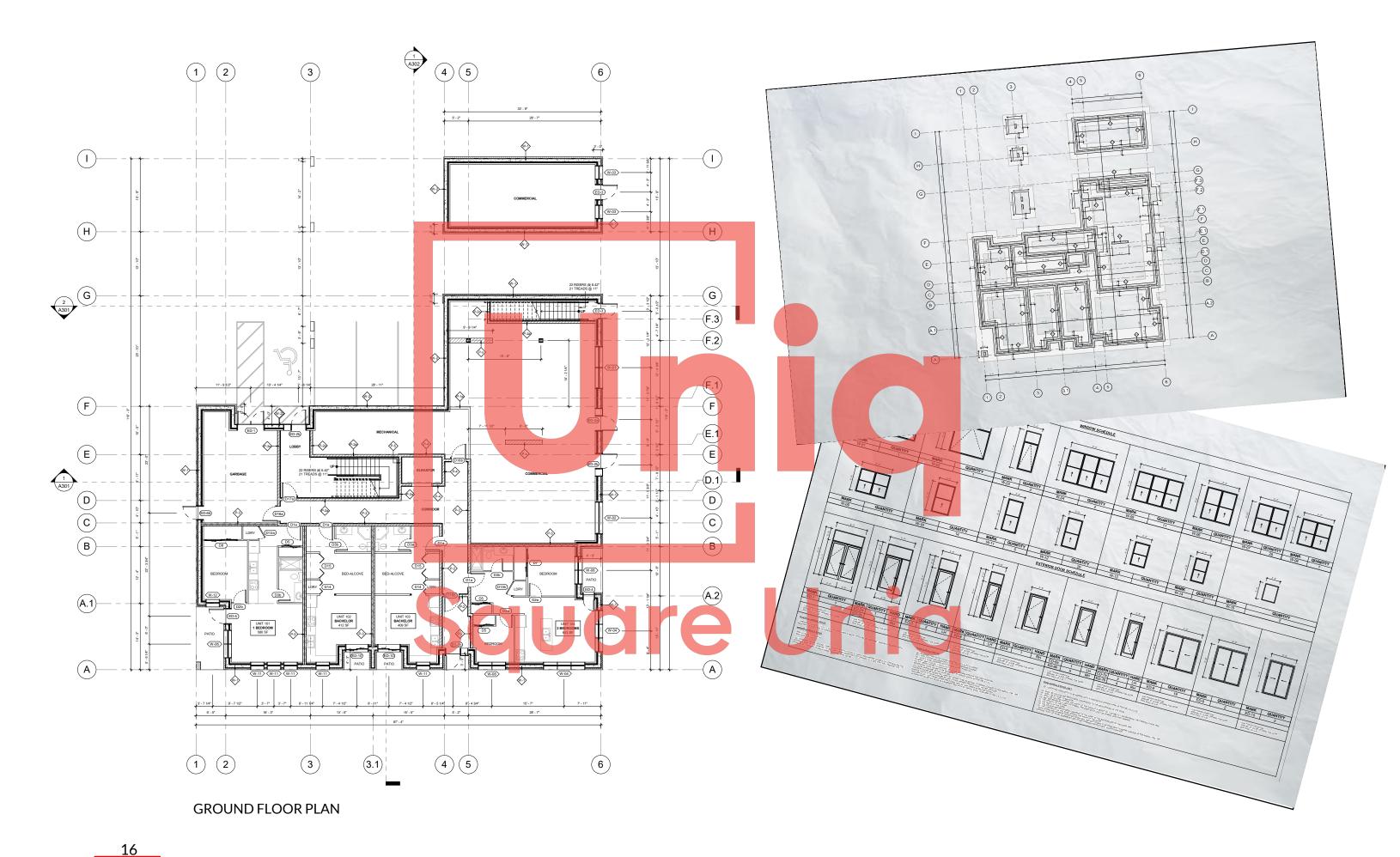
The two small buildings have similar size and shape but different functions. They were designed with log walls initially but requested to change to similar envelope as Shaptuan with a few modifications including the elimination of the batt insulation and interior sheathing. They required minimum R25 rigid insulation for wall and R50 for roof.

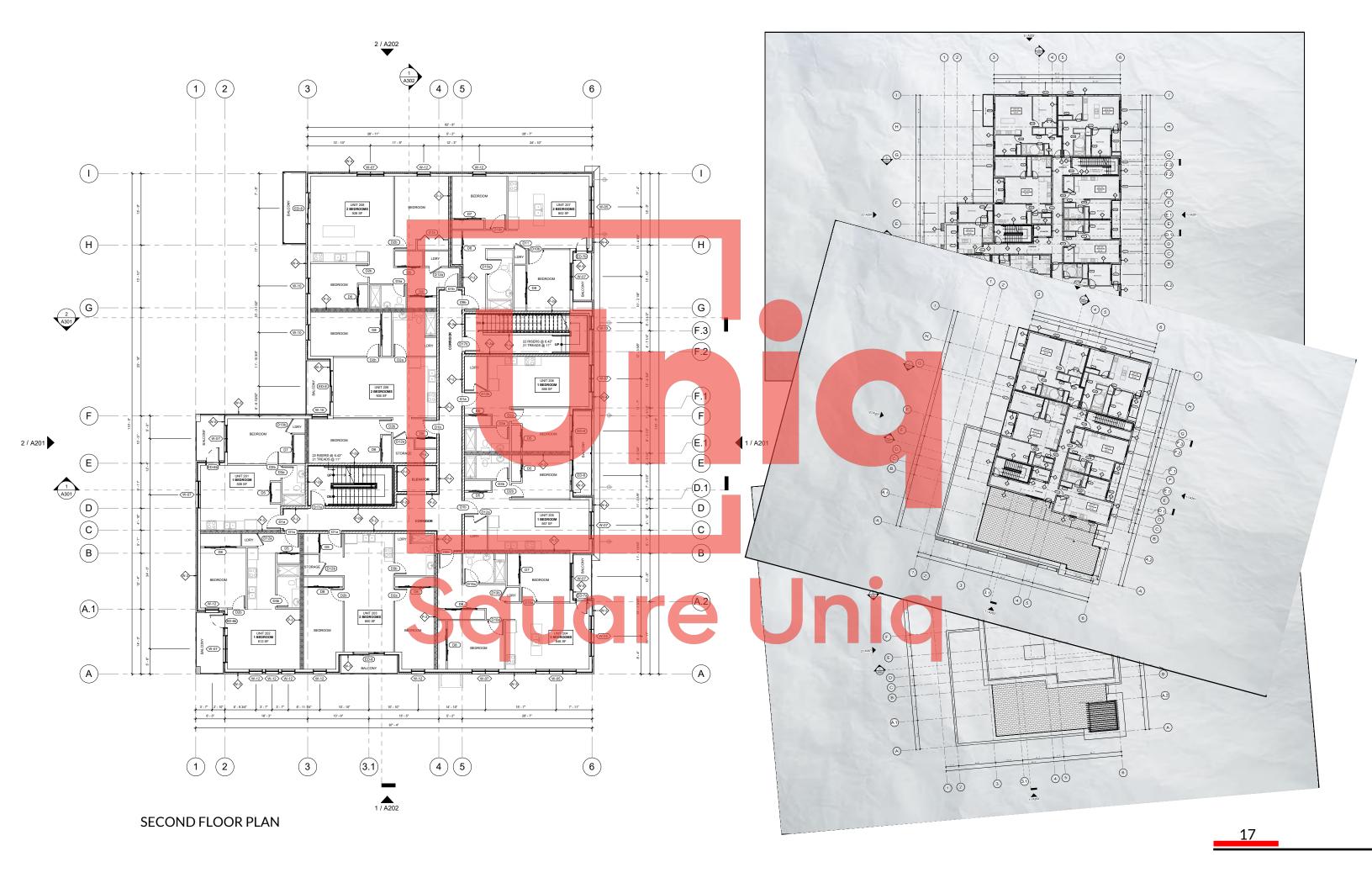
GEORGE AND MAIN 02 MIXED USE

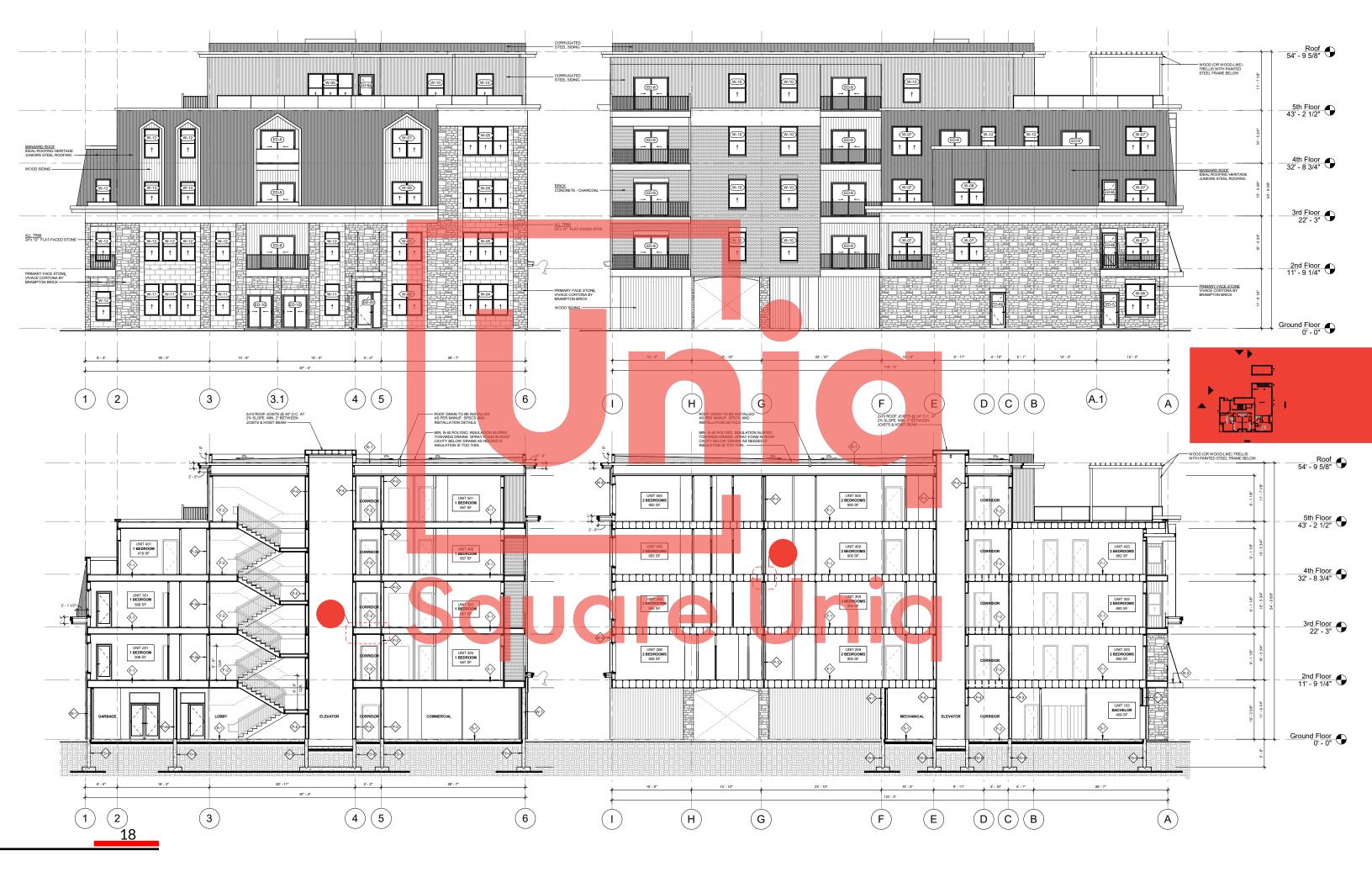


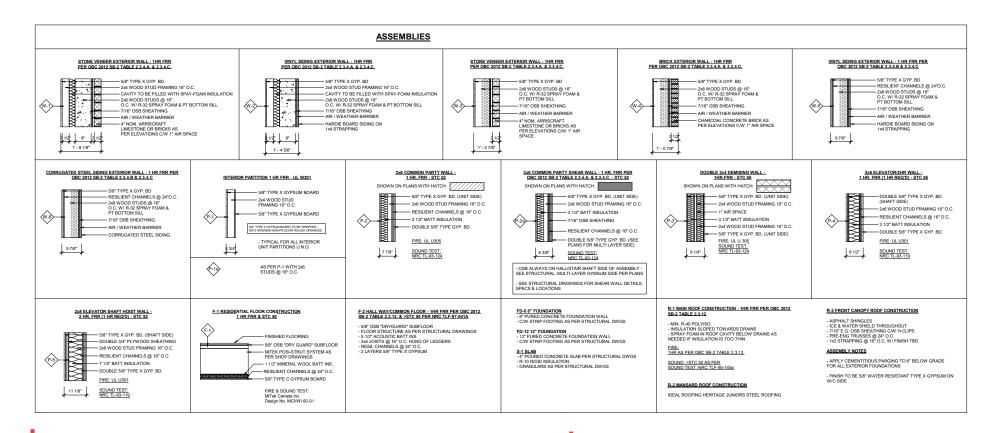
The 5-story mixed project located at the corner of George Street North and Main Street West in the Town of Smith Falls, Ontario. In 2024, I supported the architect from the concept stage to construction drawings. I started building conceptual 3D model from hand sketches, CAD site plan, Google Street to have the shadow study submission for Planning Department. After that, beside developing the drawings and models, I also prepared the Ontario Building Code Data Matrix for building permit.



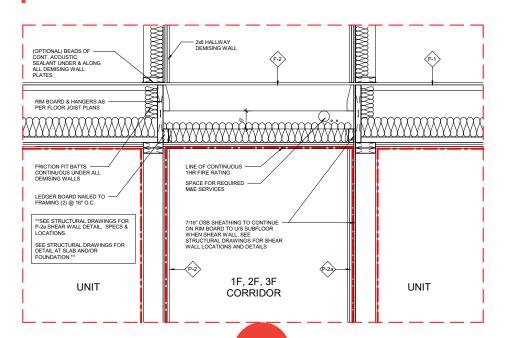




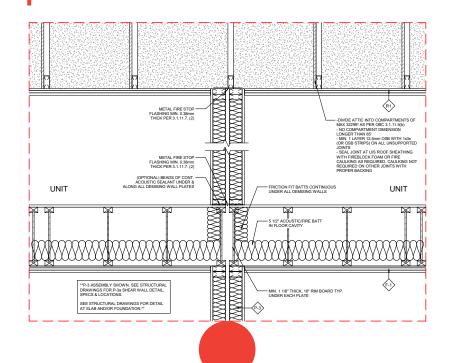




The detail section of hallway joists and unit demissing walls clearly shows how they are connected, wall assemblies (different between party wall P-2 and party shear wall P-2a, which is added OSB sheathing) and especially fire rated.



The detail section of residential floor and demissing wal P-3 shows the metal fire stop to prevent the fire from floor to floor, and the devide attic into compartments of max 3229 sqft



I produced a Shadow Study to show how this project would affect the neighbouring properties. To create the Shadow Study, we need to orient and locate the model correctly so that we can create accurate shadow predictions for this location in Smiths Falls. The model illustrates the shadow that will be cast by the proposed structures on June 21, September 21 and December 21 at 9:00 am., 12:00 pm. and 3:00 pm

December 21



9 AM



12 PM

JOYNES AND MOXLEY 03 RESIDENCE

Project Type: Residential Project year: 2024 Area: 1155 sqft

Location: Mississippi Mills, Ontario, Canada

Company: Dogwood Design

The project in the rural area includes a house and a workshop. They are built from wood with typical Canadian elements including wall studs, roof joists and trusses. The project has three revisions with different roof options and two foundation solutions. Each option has pros and cons in aesthetic and structural means

