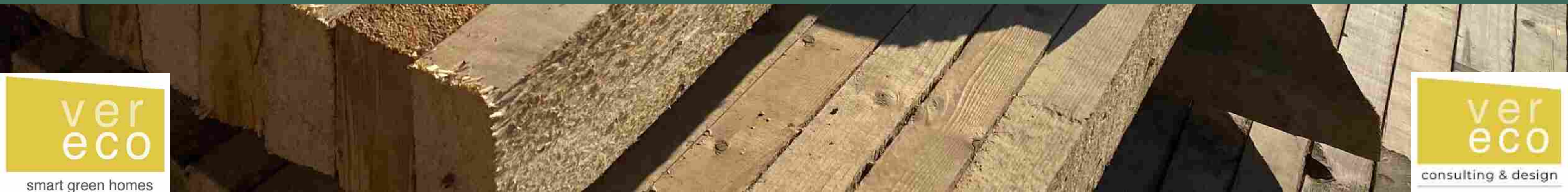




# WOOD WASTE DIVERSION- DECONSTRUCTION VS DEMOLITION



*Repurposing Saskatchewan's Sentinels*





# WHERE DID THIS START?

What to do with an old  
decommissioned  
Elevator?



# TYPICAL ROAD: WHAT TO DO WITH AN OLD ELEVATOR?





# ROAD LESS TRAVELLED: WHAT CAN WE DO WITH AN OLD ELEVATOR?



Milden, SK Elevator during  
deconstruction  
Summer 2022



# NAIL LAMINATED MASS TIMBER (NLMT) PANELS





# Active Projects



## LMCN Net Zero Home

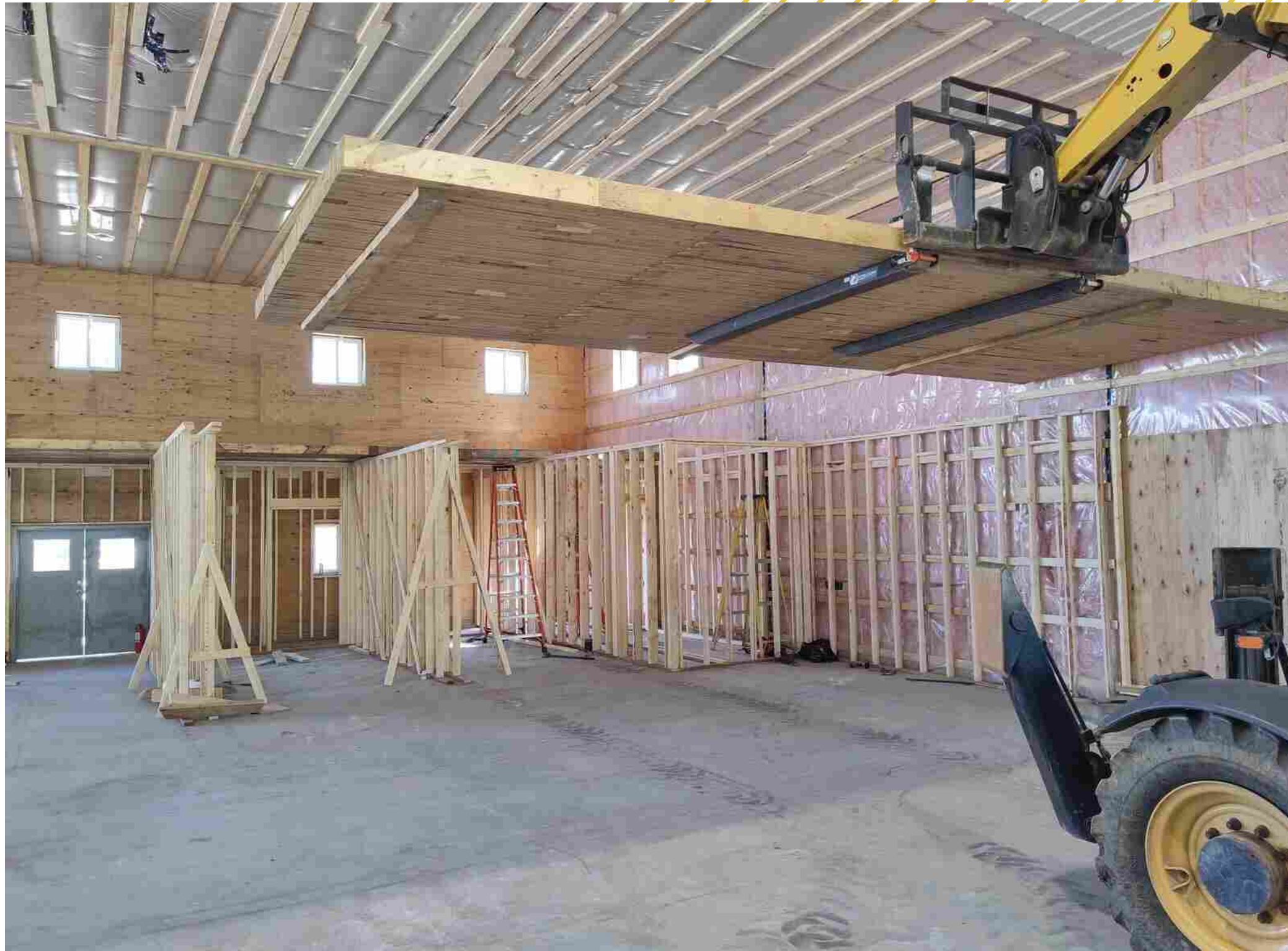


## Eugene's Gas Bar





# MEZZANINE FOR A COMMERCIAL RETAIL UNIT



Drift Pile Cree Nation  
Enterprises  
Mezzanine/Warehouse

**ON IT Projects**

 **TIMBERWOOD  
INNOVATIONS**  
REPURPOSED WOOD PRODUCTS

ver  
eco





## Mezzanine Project

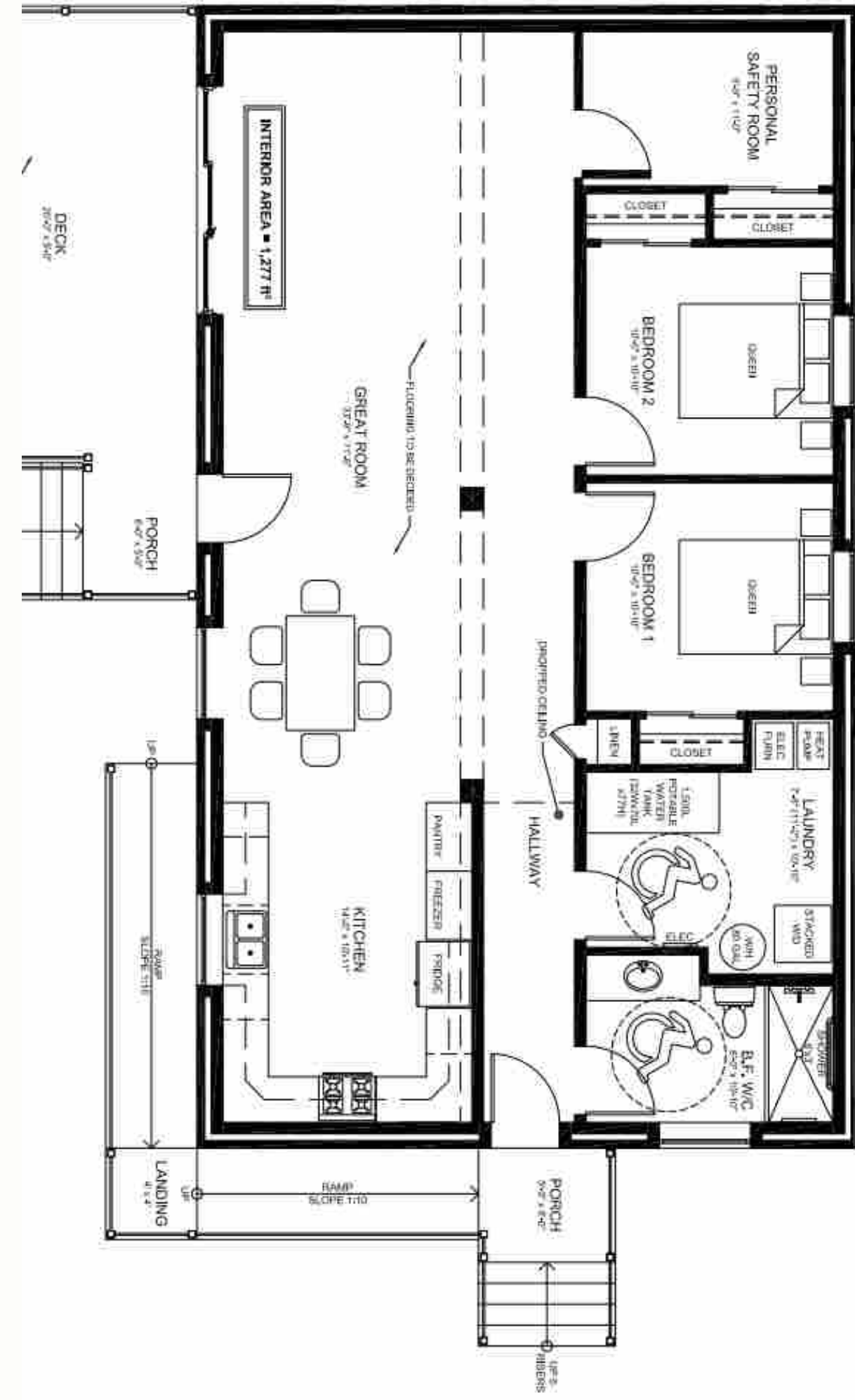




# Lucky Man Cree Nation



- This project is a 1,500 square foot Net Zero home
- All in costs at \$250/sf







Concept Rendering: Net Zero Bungalow



*NLMT House  
design*





Concept Rendering: Net Zero Bungalow



*NLMT House  
design*





Concept Rendering: Net Zero Bungalow



*NLMT House  
design*













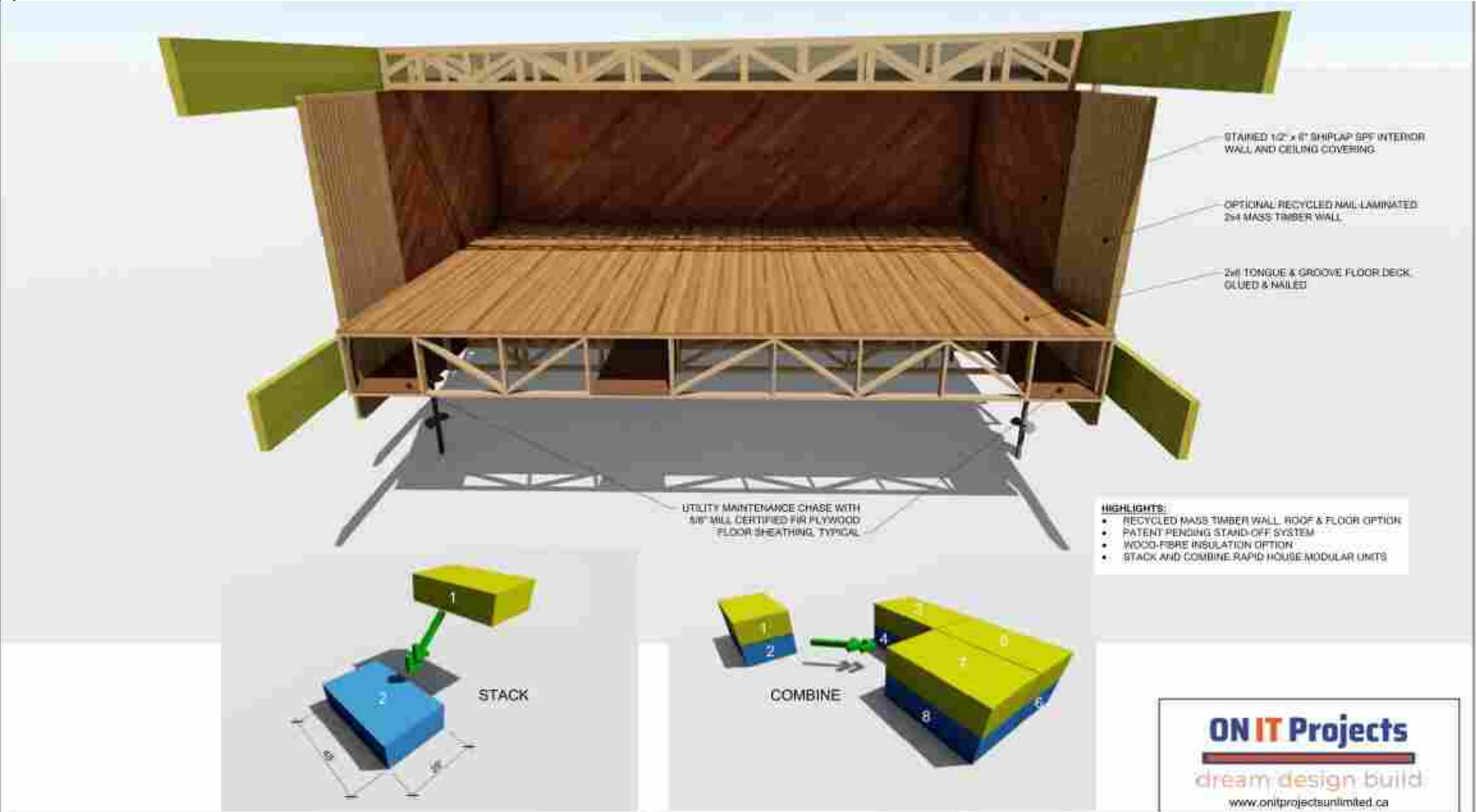


# RAPID HOUSE NET ZERO READY MODULE





# RAPID HOUSE NET ZERO READY MODULE



Drawing Title:

**3D CONCEPT  
RENDERINGS**

Client Logo:



Drawn by:

**VERECO SMART GREEN HOMES**  
002, Guelph, Ontario | Guelph, ON N1W 1W1  
www.vereco.ca | 306.713-0390

Client:

**ABMT Wood Solutions**

Project:

**RAPID HOUSE (48'x28')**

Address:

562 - 16th St. West Industrial  
RATTI FORD, ONTARIO

Sheet Size:

**11x17"  
(ARCH B)**

Drawing Number:

**A5.2**

Date:

**August 27, 2024**

Scale:

**AS SHOWN**

Revision:

**240827-DD-04  
REVISION END DESIGN**



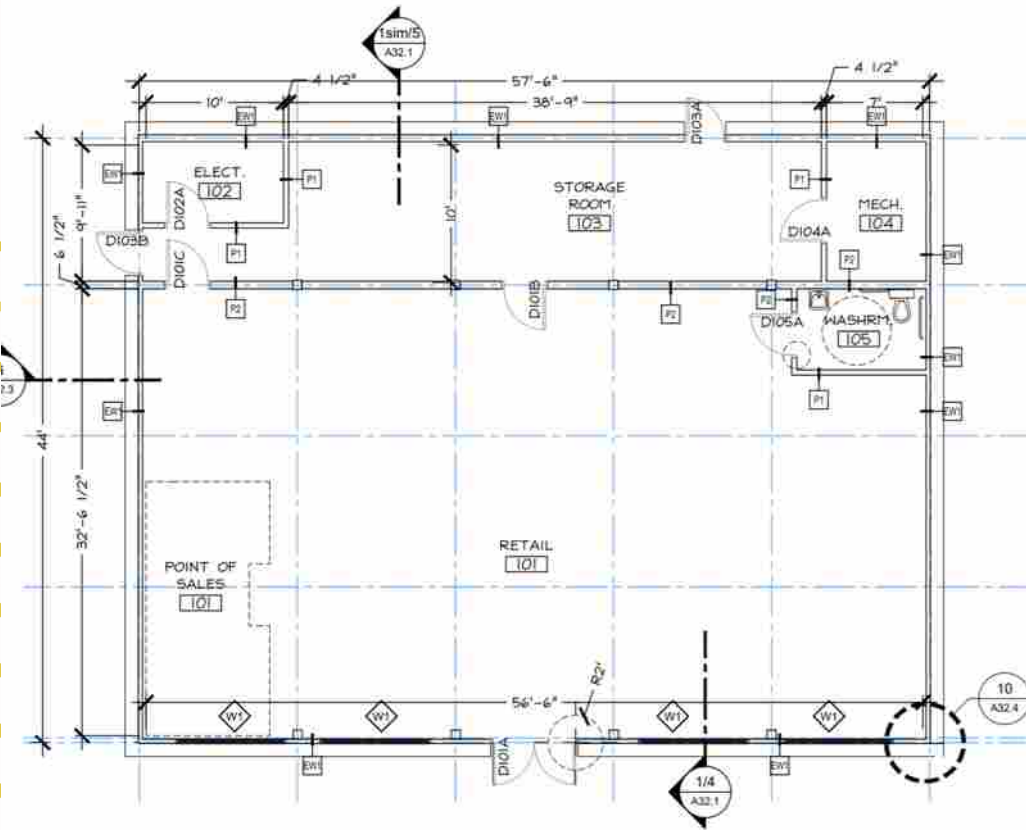




# Completed Project

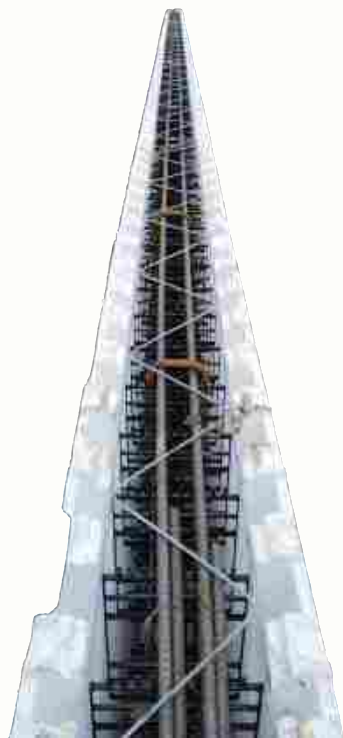
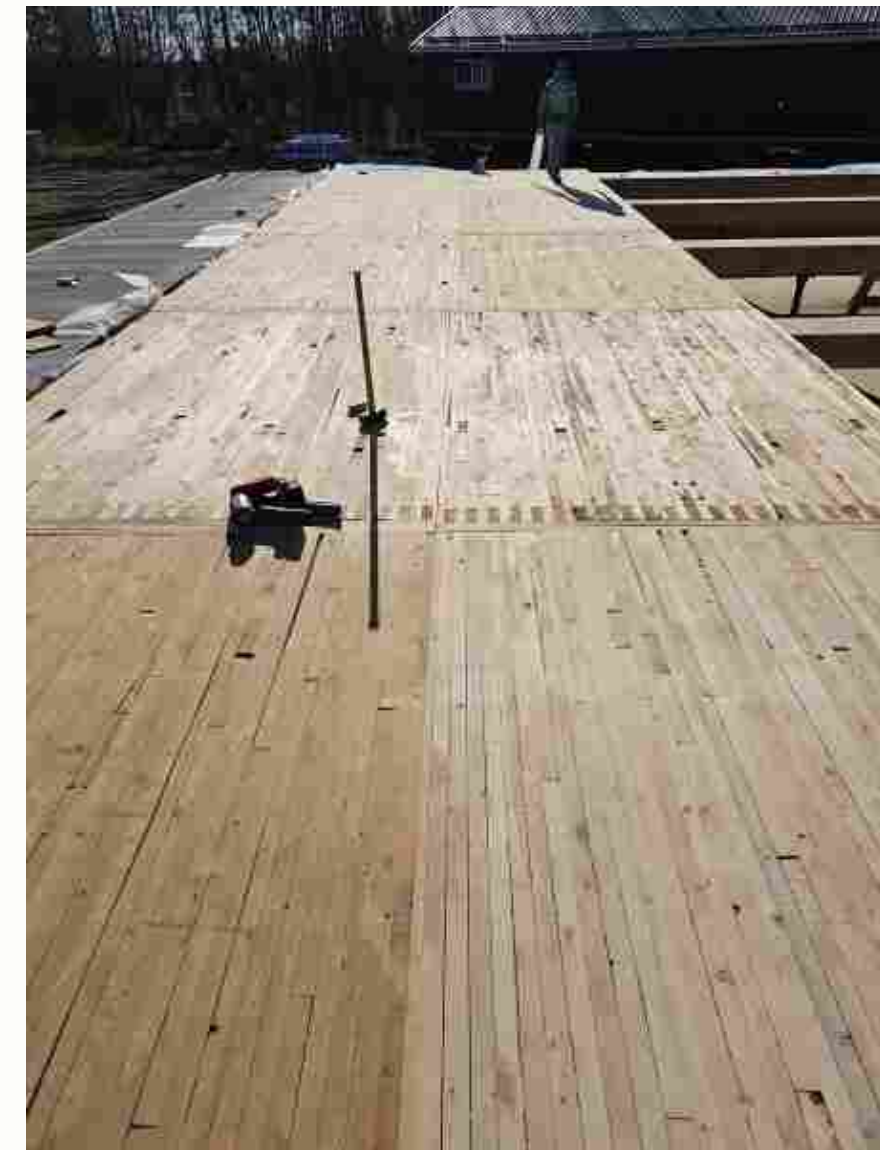


## Eugene's Gas Bar





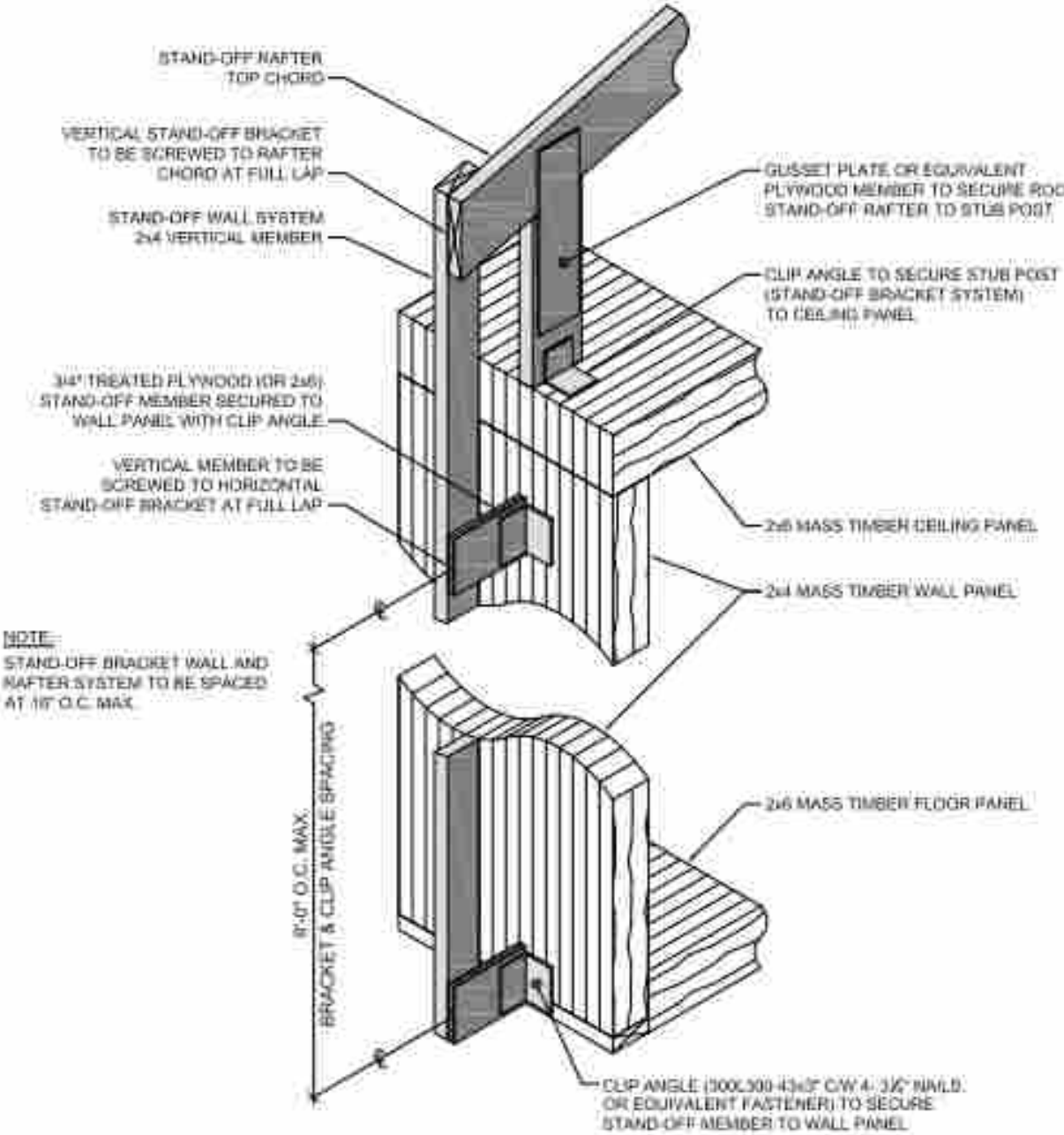
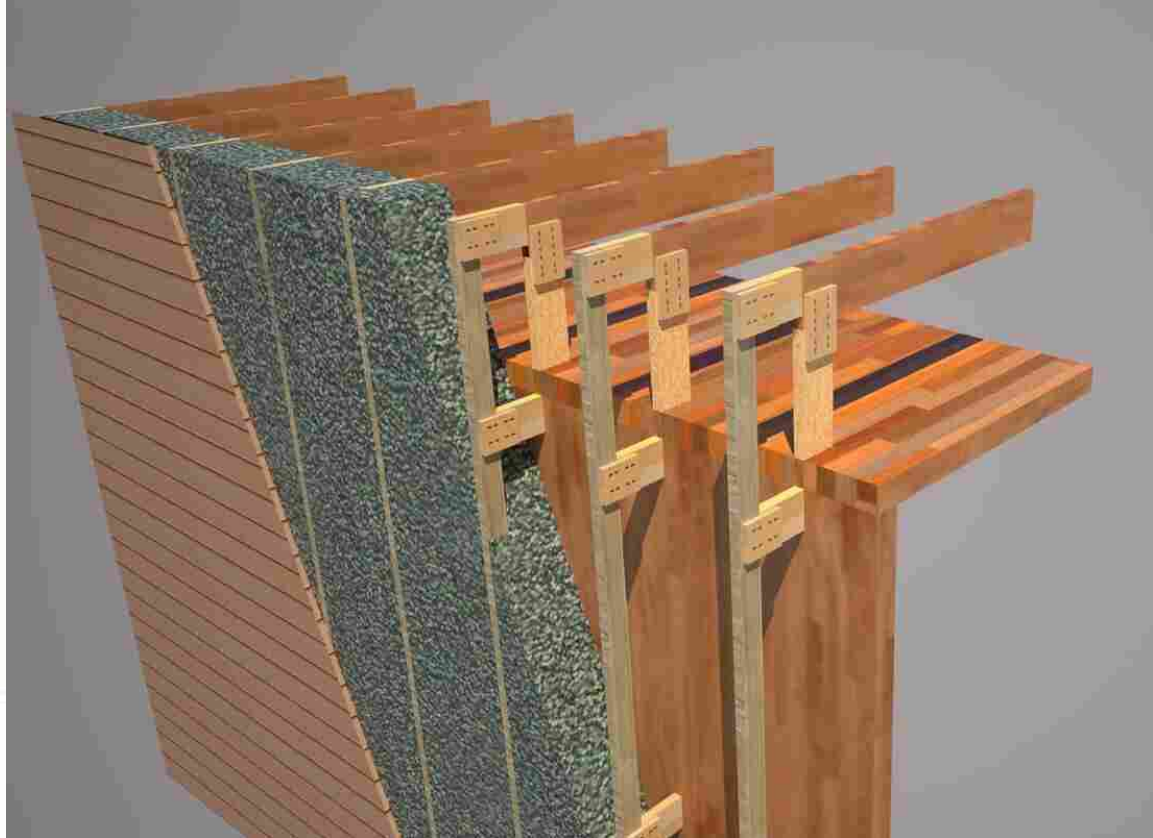
# Eugene's Gas Bar



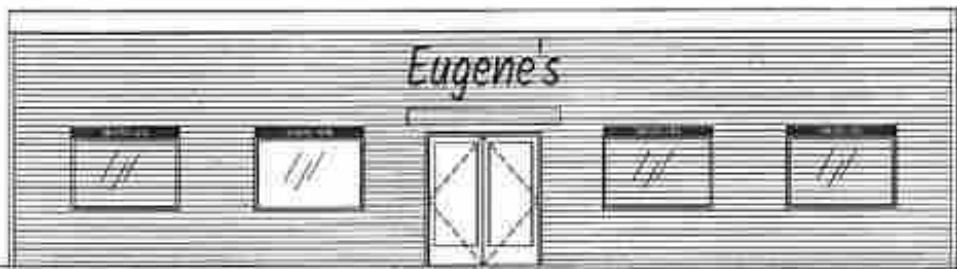
ver  
eco



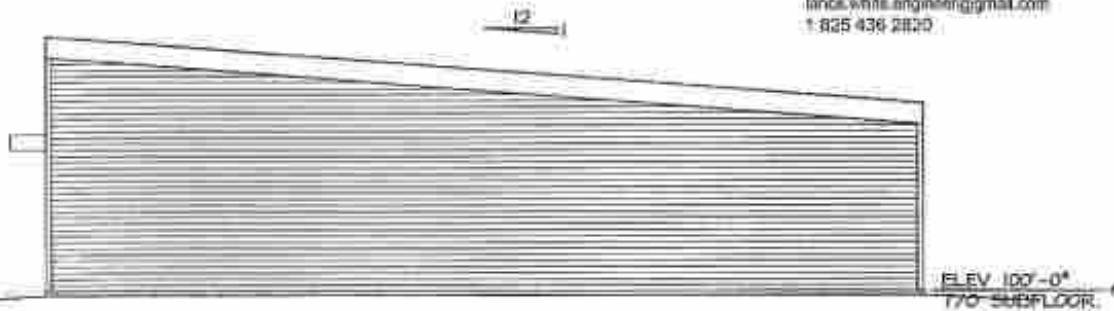
# Eugene's Gas Bar



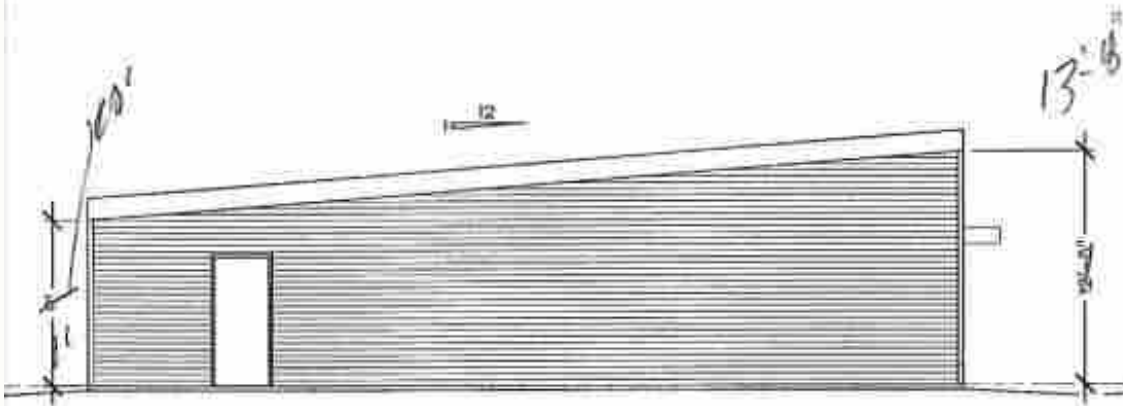
1 STAND-OFF SYSTEM ISOMETRIC  
SCALE: N.T.S.



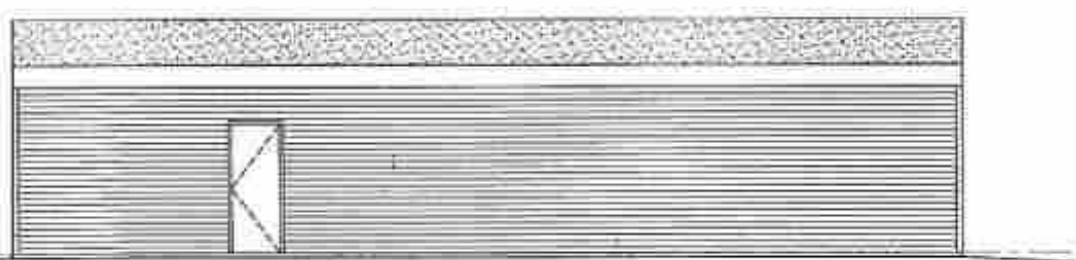
1 East Elevation  
SCALE: 1/8" = 1'-0"



2 South Elevation  
SCALE: 1/8" = 1'-0"



3 North Elevation  
SCALE: 1/8" = 1'-0"

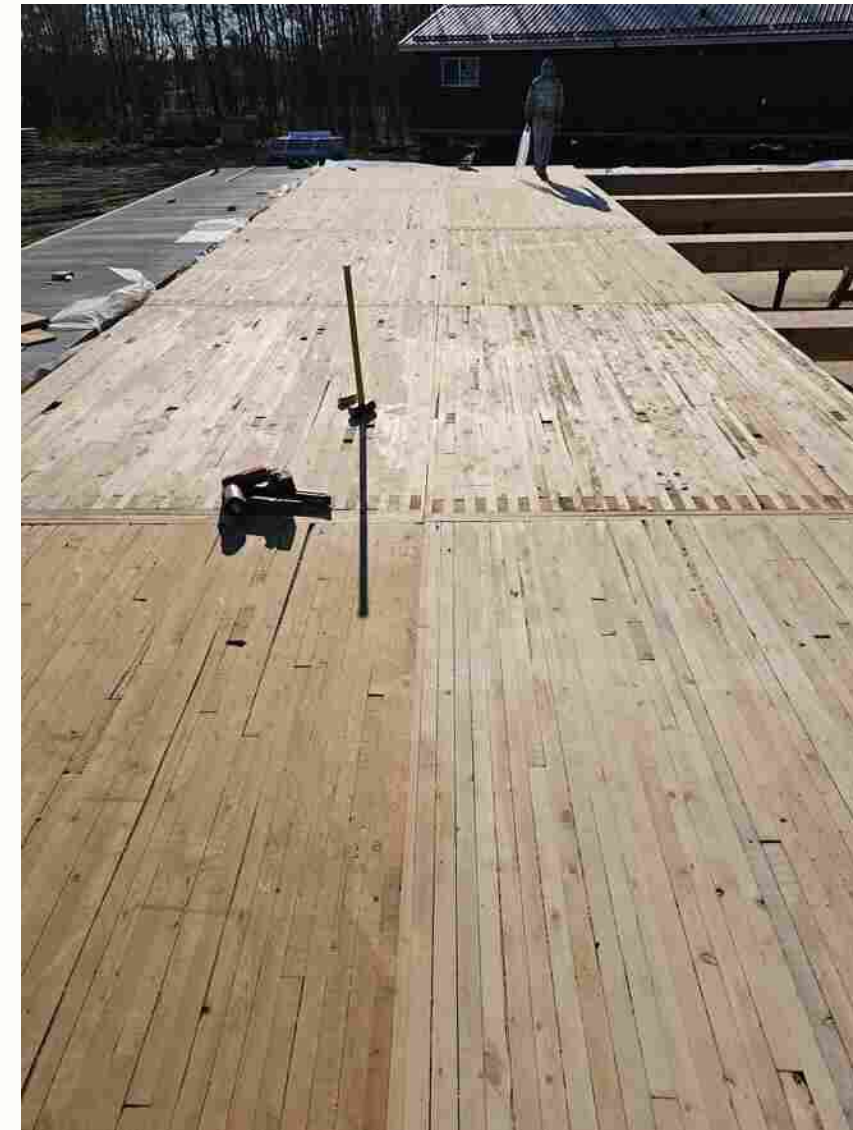


4 West Elevation  
SCALE: 1/8" = 1'-0"





# Eugene's Gas Bar







**ON IT Projects**

 **TIMBERWOOD  
INNOVATIONS**  
REPURPOSED WOOD PRODUCTS









**ON IT Projects**

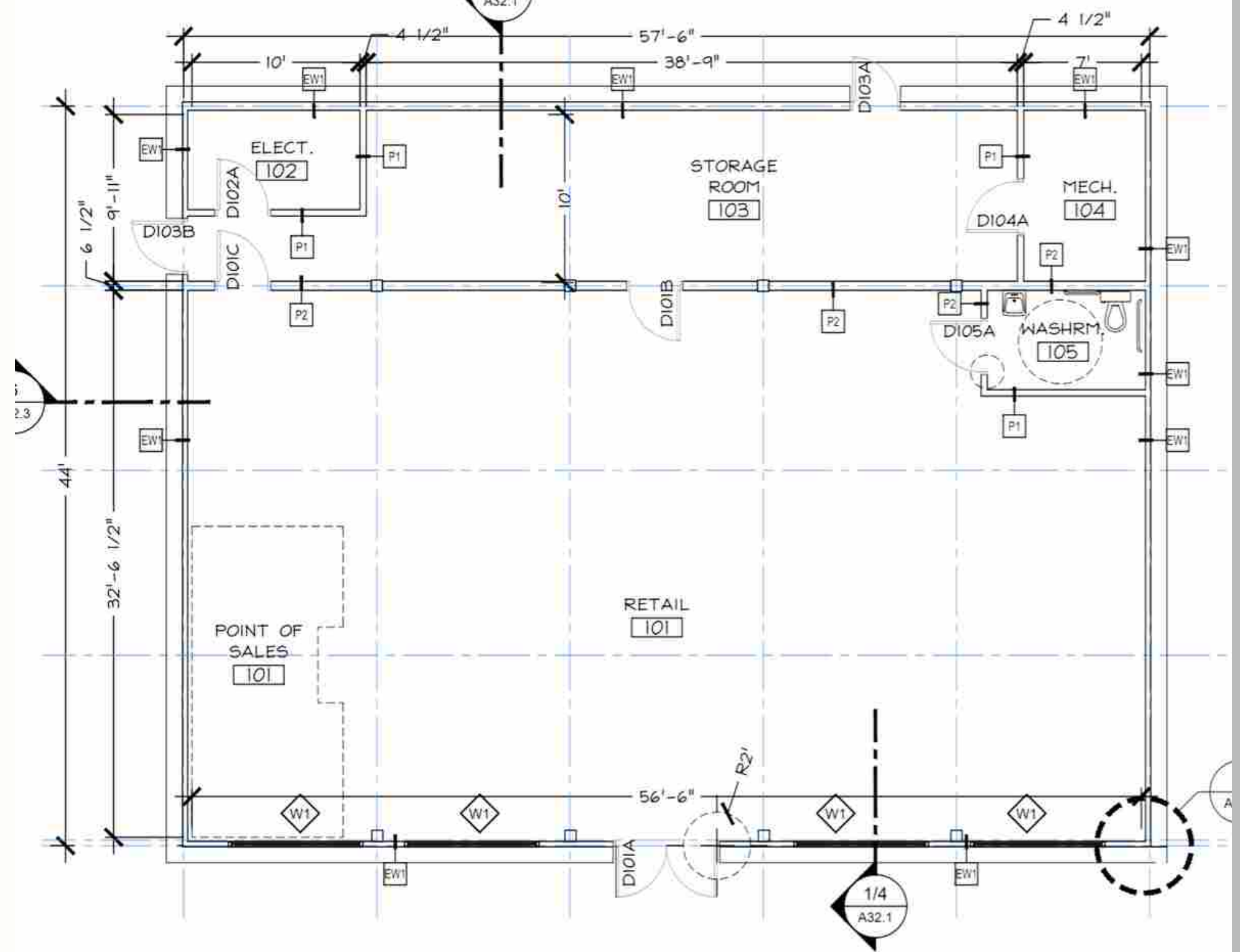
 **TIMBERWOOD  
INNOVATIONS**  
REPURPOSED WOOD PRODUCTS





## Costs

- 2,550 square foot convenience store
- Costs at \$215 per sqft
- \$150 per sqft interior build out
- Not including owner supplied.







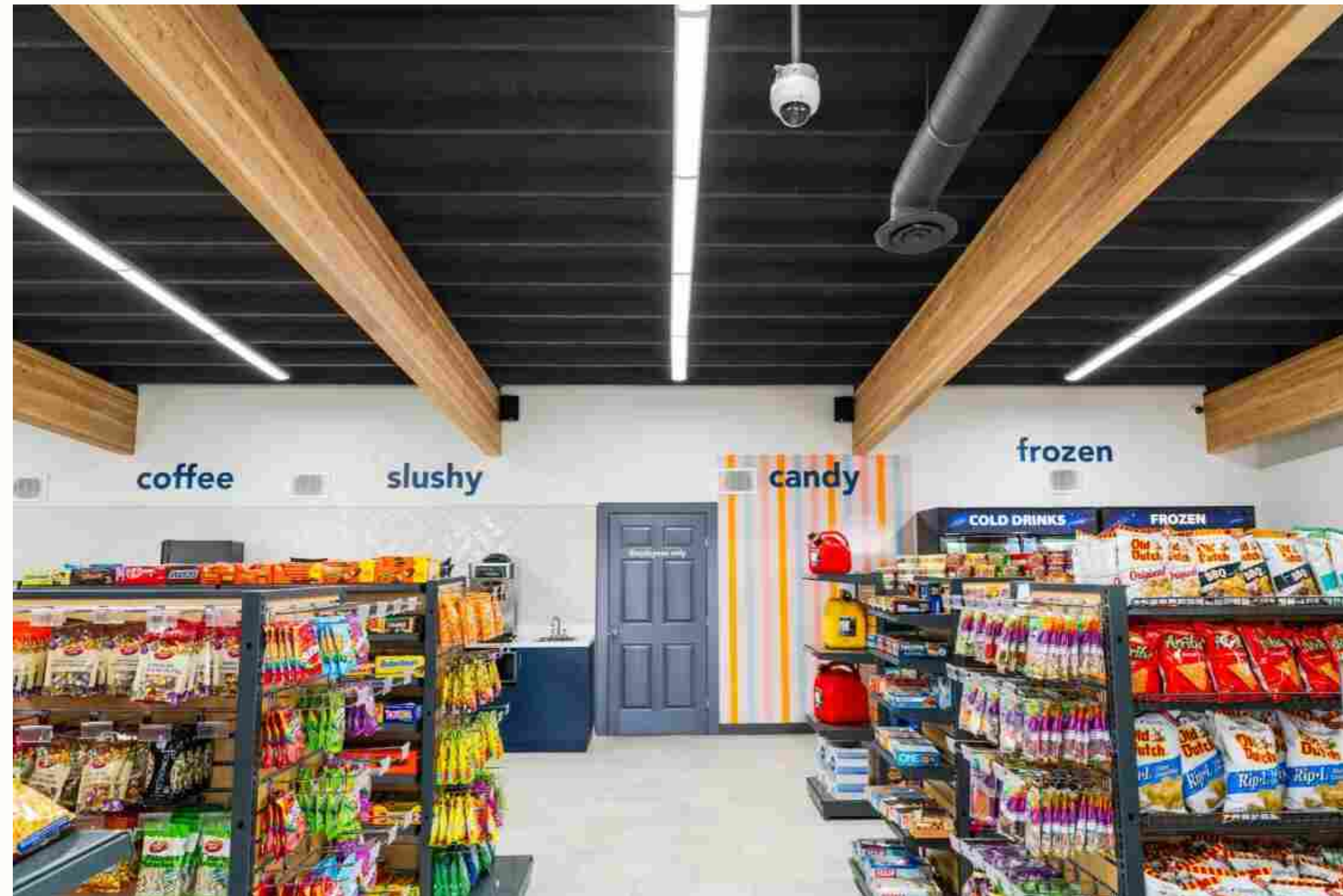
# Eugene's Gas Bar

Nail Laminated Mass Timber Project  
Saddle Lake, AB  
2023/24





# Eugene's Gas Bar







dairy

cold drinks

energy

juice

water



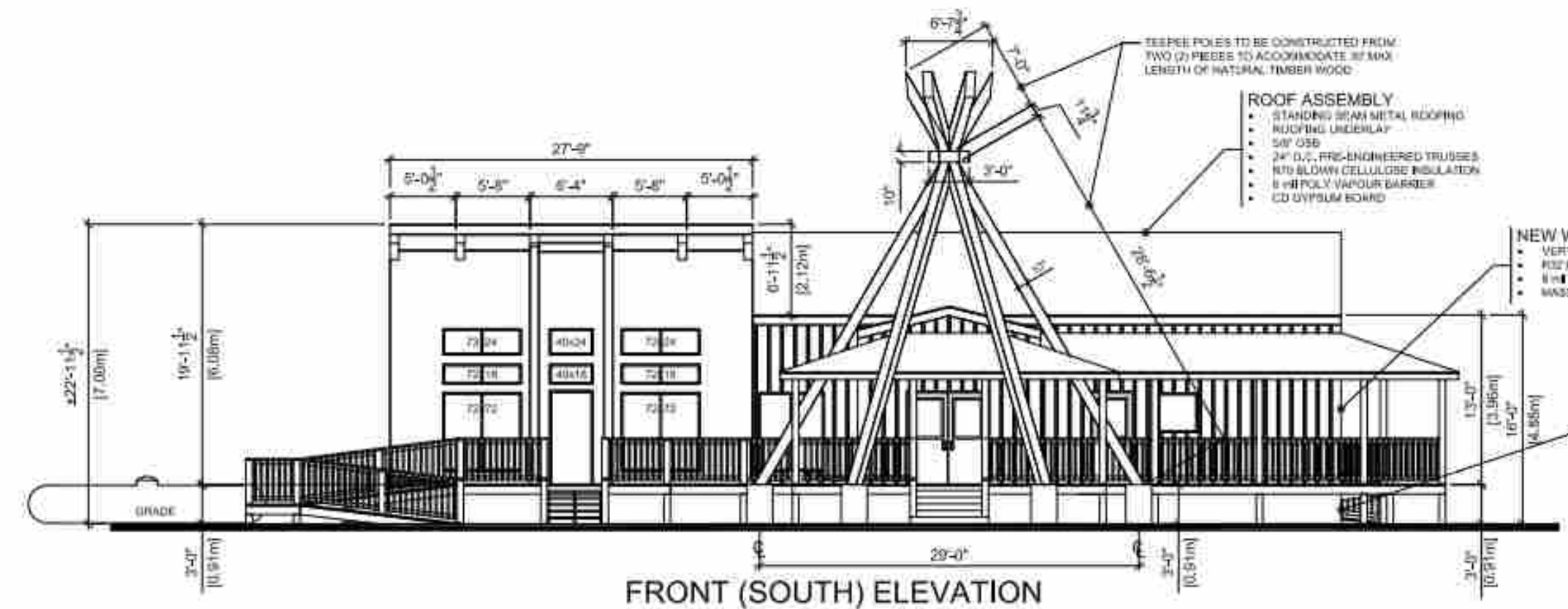




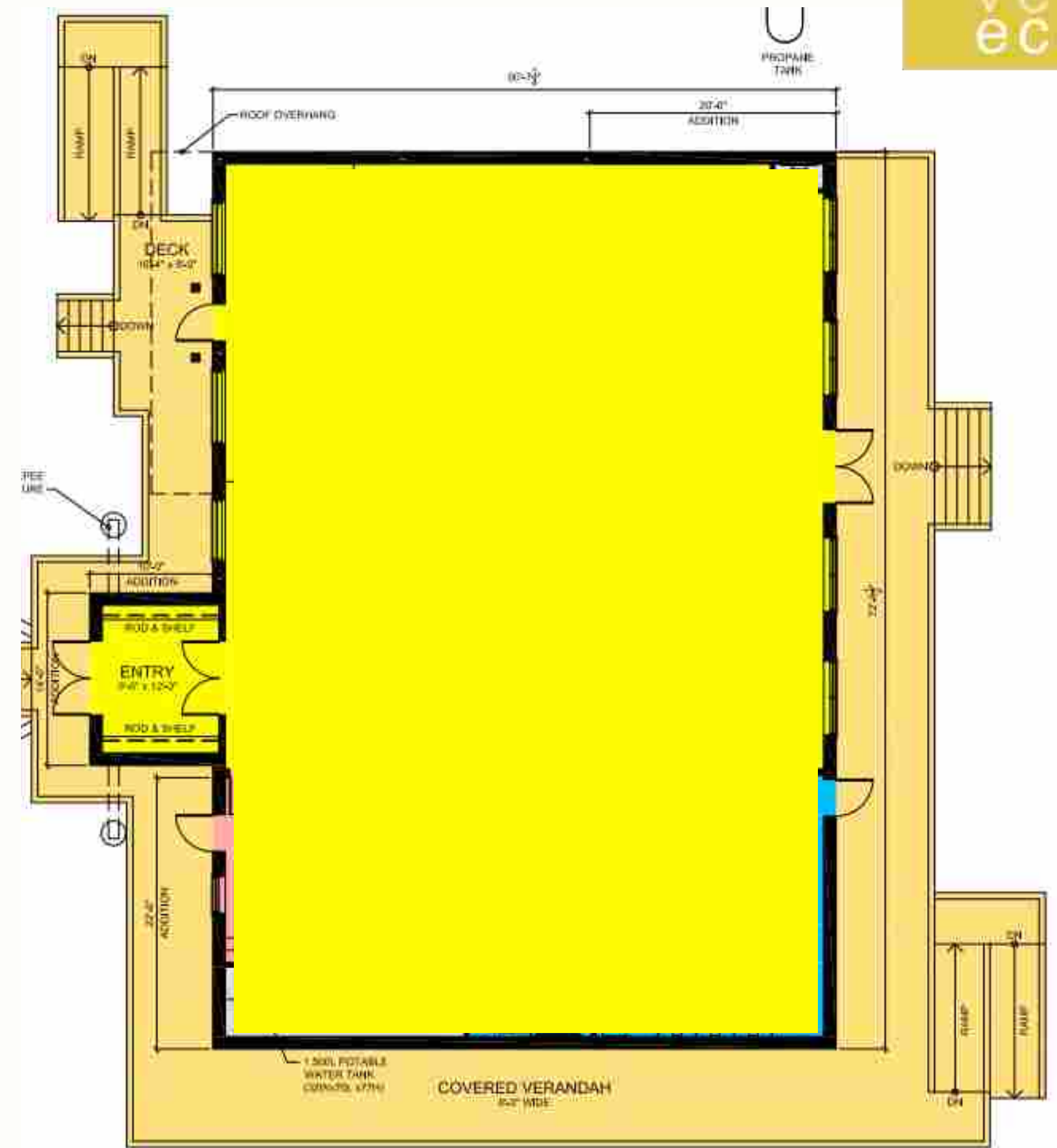
# Lucky Man Cree Nation

Lucky Man Cree Nation Community Hall Expansion and Renovation Project

This building envelope is not only designed ready for net zero energy consumption but also an embodied carbon neutral building products choice!







PROPOSED HALL PLAN





HOME CENTRE

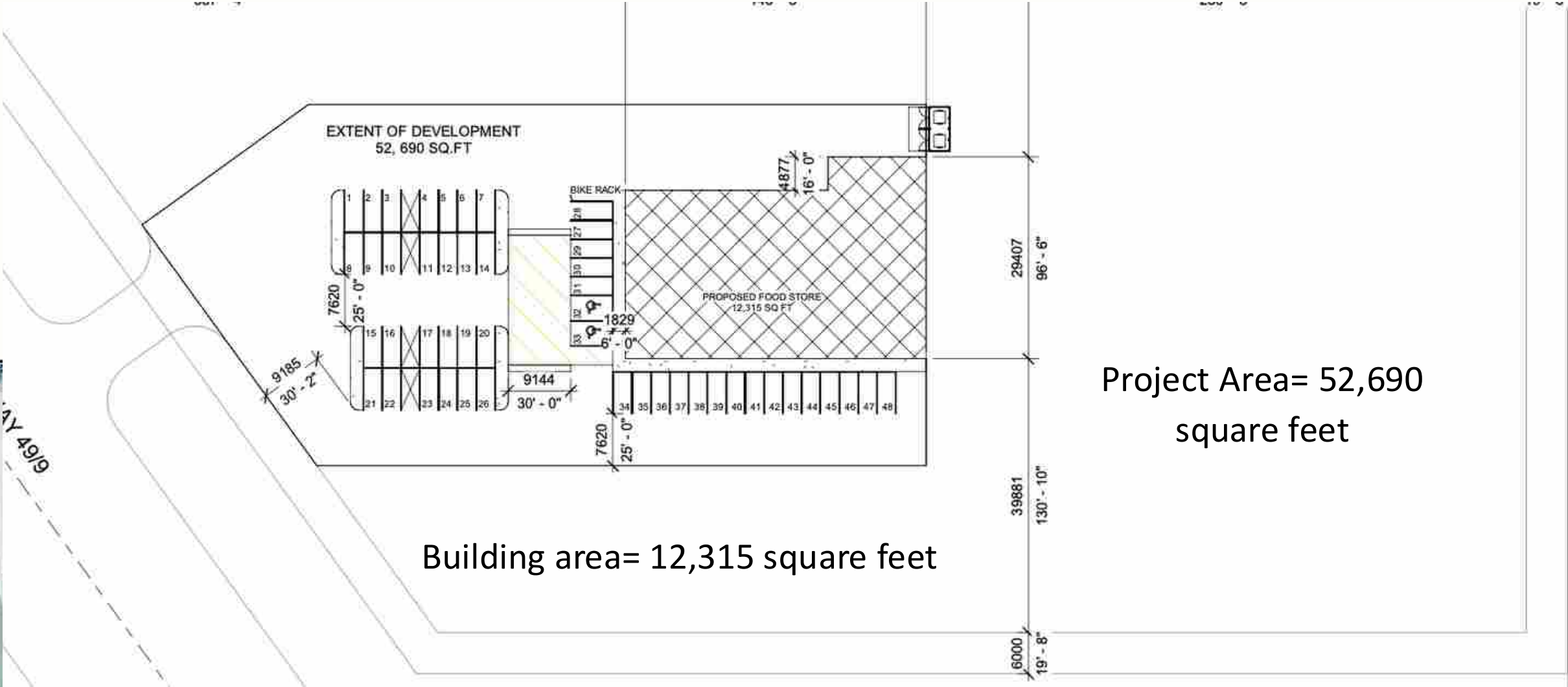


CONVENIENCE STORE





# GATEWAY CO-OP FUTURE SITE





# WHAT'S HAPPENING NOW?

## Project #3

Buy and Renovate an Oil  
Tank Facility!



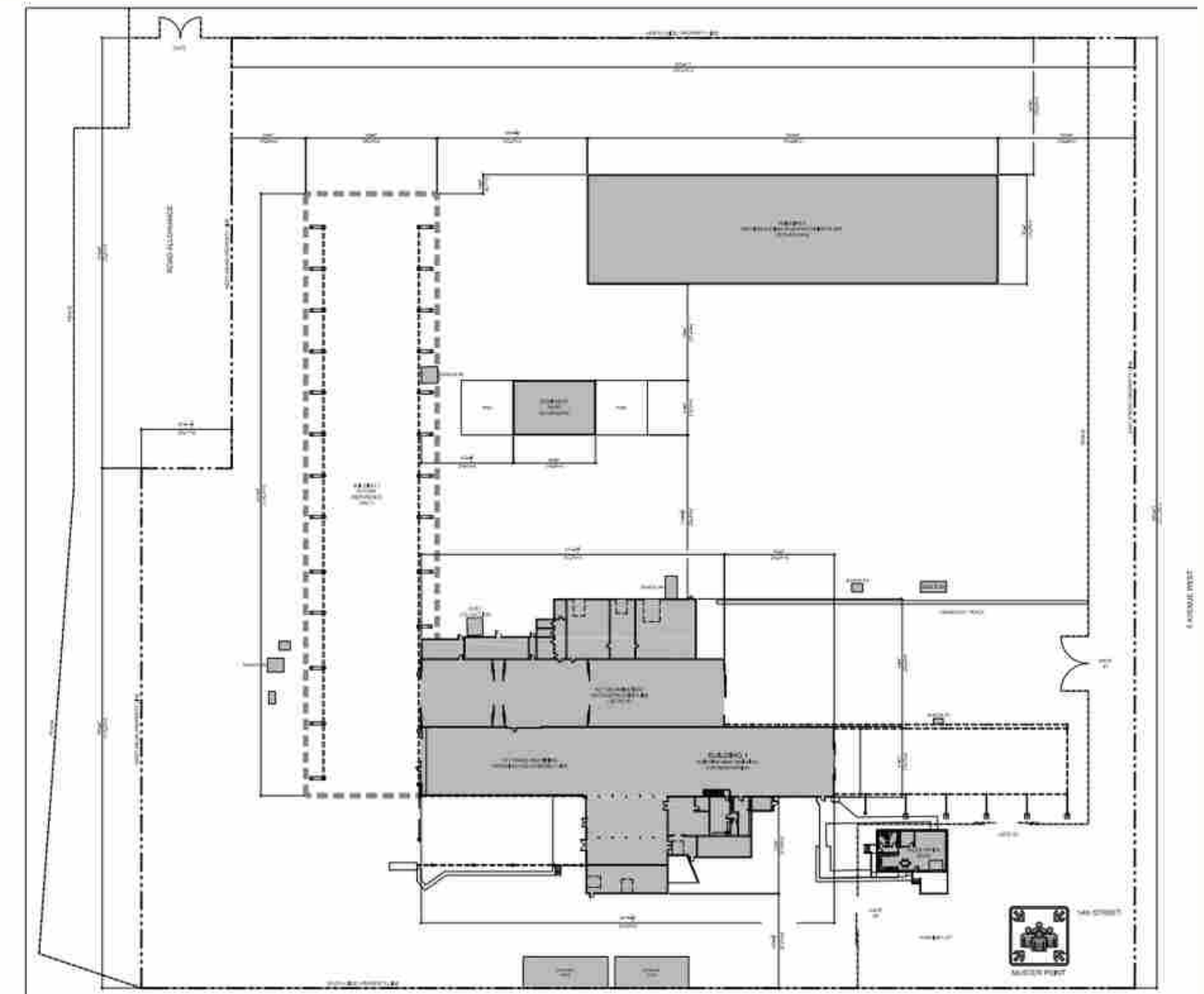
# *A Manufacturing Facility*

Image Courtesy of : [www. Google.com/maps](http://www.Google.com/maps)





# ABMT Production and Processing Plant Concept Drawings





# WHERE ARE WE HEADED? HOW TO USE THE REST OF THE NLMT/ LUMBER?

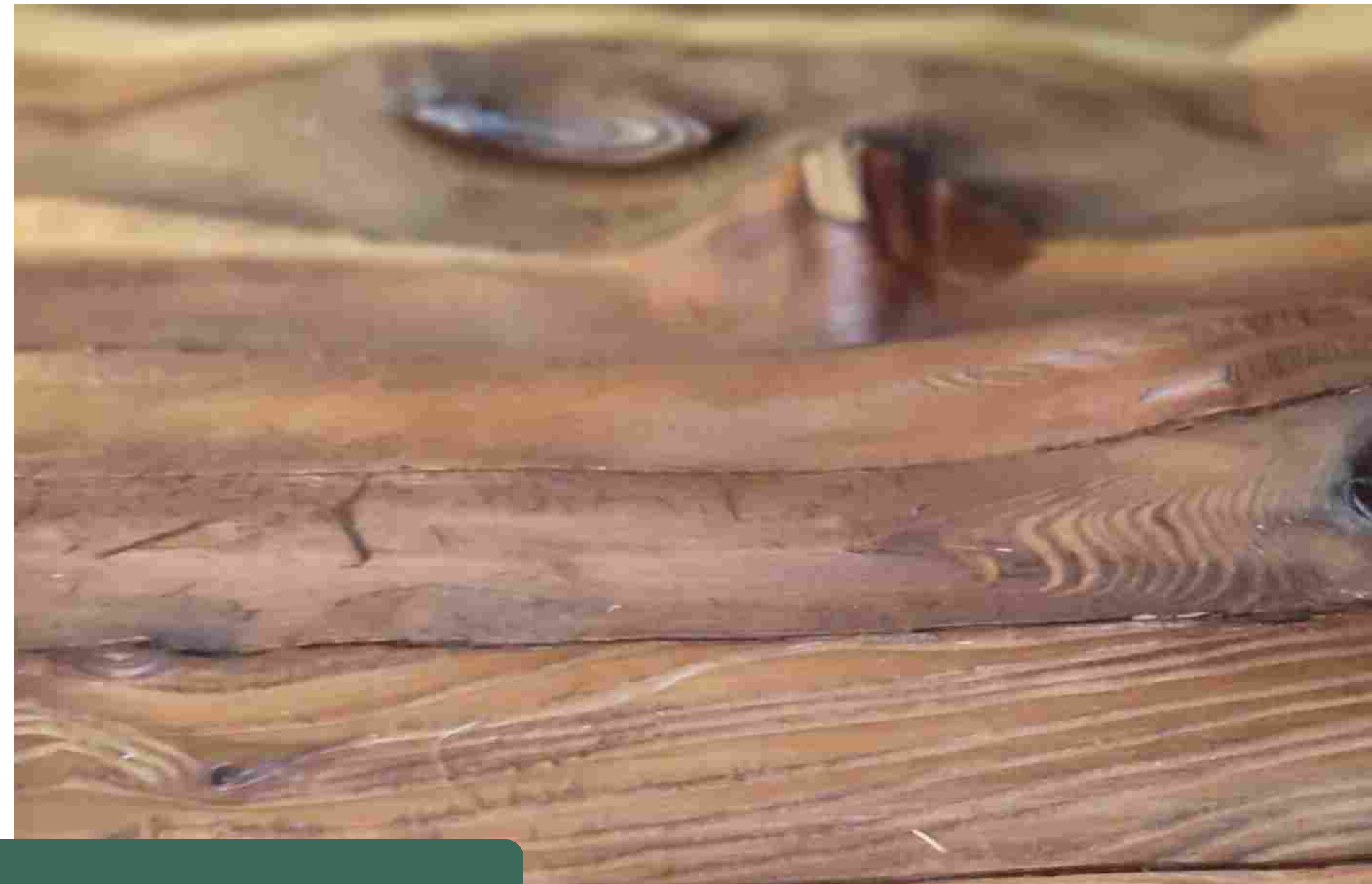


Architectural Feature Walls, Beams and Panels



# WHERE ARE WE HEADED?

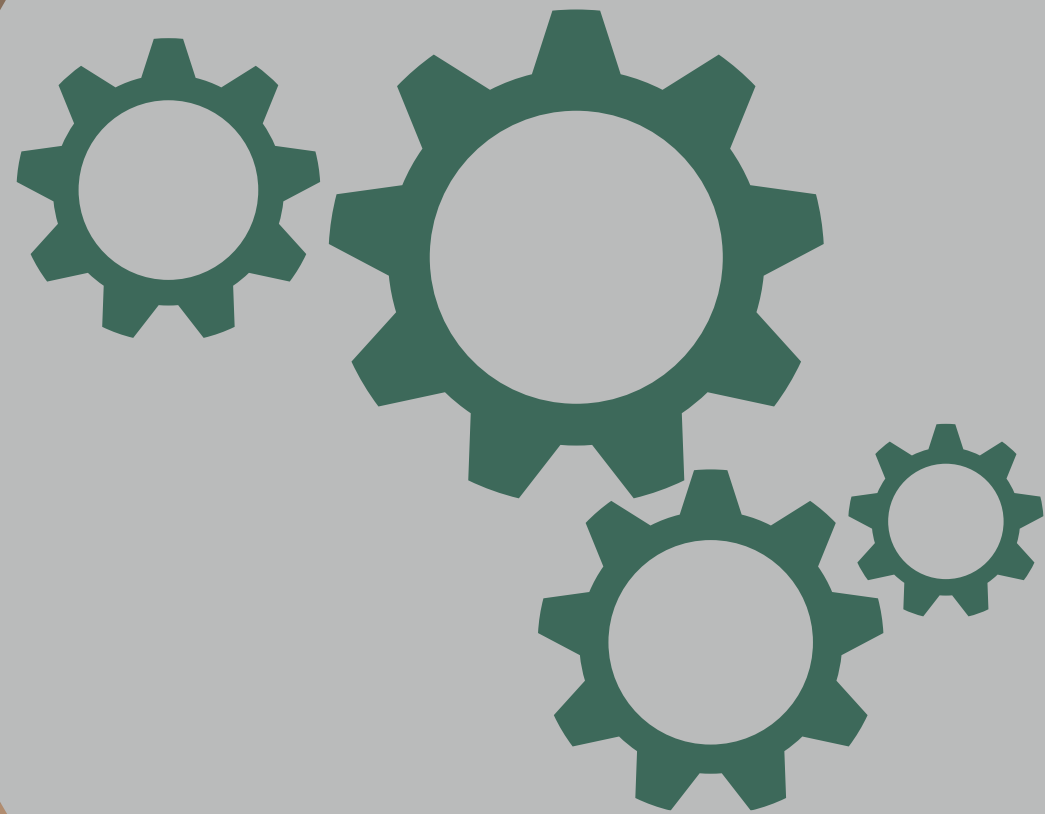
## How to use the rest of the NLMT/LUmber?



Architectural Feature Walls, Beams and Panels



# LOOKING FORWARD



Angle/Cross Laminated Timber  
Blended

Recycled Wood  
Fibre Insulation

New-Nail laminated Timber  
Blended

## *Manufacturing*



# LOOKING FORWARD



Examples from around the  
World:  
Gutex, Germany



Wood/Hemp Fibre Insulation

Images Courtesy of : [www.Gutex/en/downloads](http://www.Gutex/en/downloads)



# HOW TO DIVERT WOOD WASTE

## **Recycled and Repurposed Wood Waste**

- Waste Diversion for SK Landfill sites for demolition of timber-based buildings
- Contact ABMT/Timberwood and arrange a site visit for your clean wood waste project for acceptance to their yard
- If pre-approved, transport costs only and zero cost tipping fee
- Otherwise \$75 per load fee at scale - CLEAN WOOD ONLY
- Timberwood Innovations is looking for Municipal and Rural waste partners.
- Turn your deconstruction into the reconstruction of high performance, net zero, and low carbon buildings.



# THANK YOU! QUESTIONS?

[WWW.TIMBERWOODINNOVATIONS.COM](http://WWW.TIMBERWOODINNOVATIONS.COM)



[WWW.ABMTWOODSOLUTIONS.COM](http://WWW.ABMTWOODSOLUTIONS.COM)



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