OUROBOROS DECONSTRUCTION

Ouroboros Deconstructio

11.19.2024

THE PROBLEM

BEL-CO

STEPHONE R

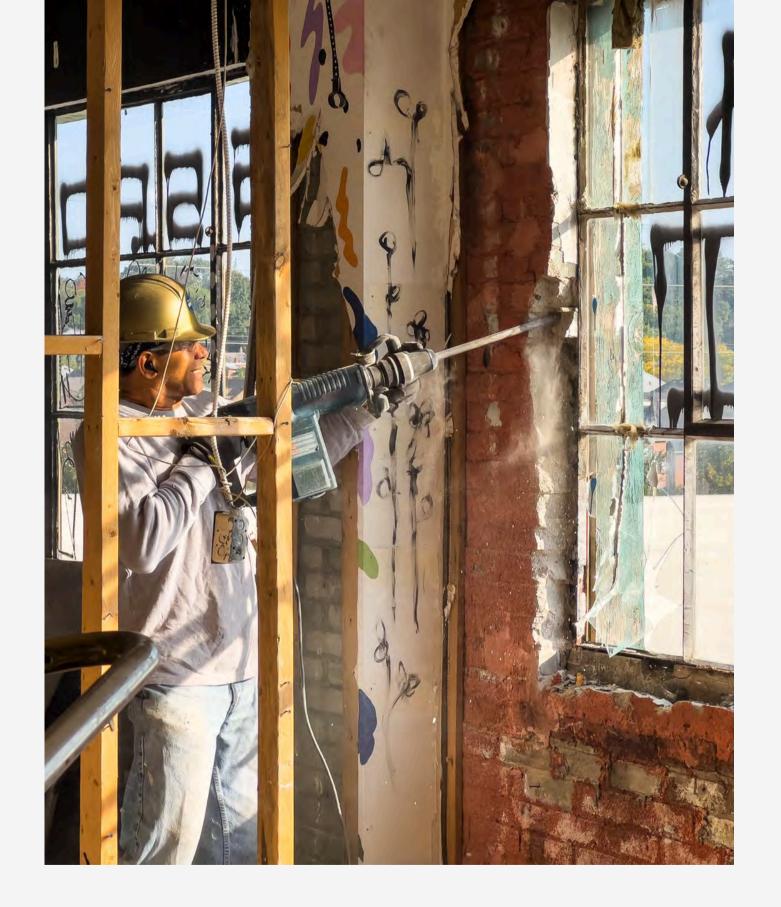
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OUROBOROS

An ancient symbol representing the eternal cycle of destruction and re-creation, the Ouroboros has been used to signify renewal throughout history. It is the perfect symbol of what the company does. Through the careful dismantling of buildings we recover valuable materials and give them new life.





OUR MISSION

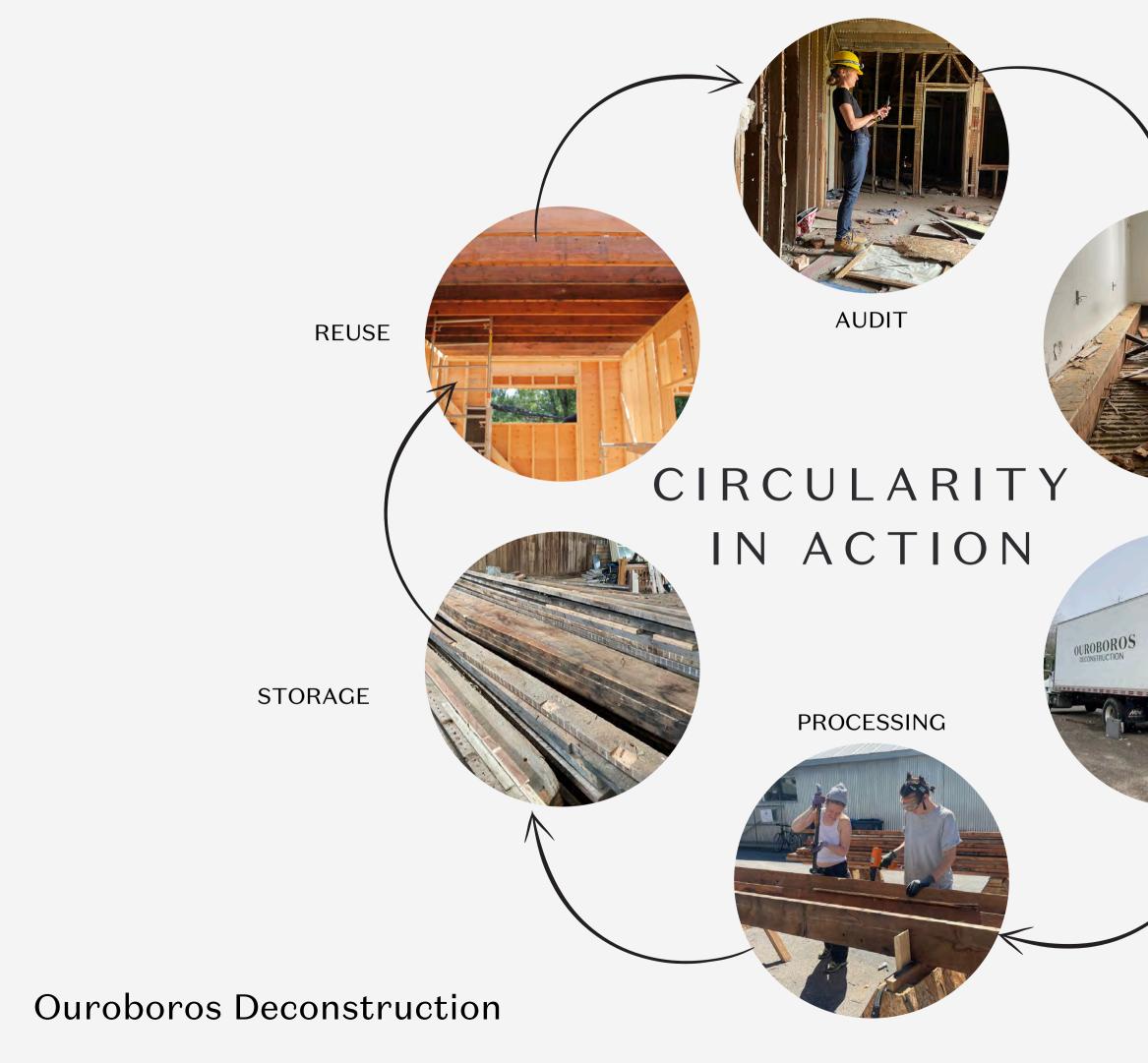
We aim to change the way demolition is conducted and salvaged materials are perceived.



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DECONSTRUCTION





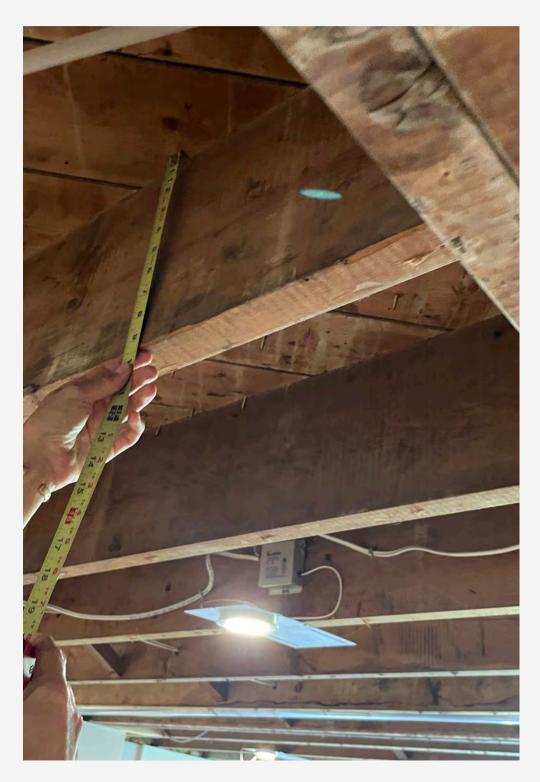
DECONSTRUCTION &SALVAGE

TRANSPORT

MATERIAL



RECLAMATION AUDITS



	f _x Product ID ∽	🗅 Images 🛛 ~	A Product Name ~	\equiv Material \vee	# Quantity In ∨	🛎 Dimensions 🗸 🗸	A Location insitu	✓ ⊙ Audit quality ✓
~	DECON PROJECT YMCA North York Count 17			3.	✓ Sum 295,395			
1	Exterior- Interlock Pavers-YMCA North		Exterior- Interlock Pavers	Brick	80,000	9"x4 1/2" Surface tot=	exterior ground cover	Used - Good
2	Exterior-Pergola Beams-YMCA North Y		Exterior-Pergola Beams	Concrete		28"x20" Total lenght=?	exterior-decorative	Used - Fair
3	Exterior-Pergola Columns-YMCA North		Exterior-Pergola Columns	Concrete	18	Diameter=10" height=?	exterior-decorative	Used - Fair
4	Steel Rafters-YMCA North York		Steel Rafters	Metal	9	14 1/2"x5 1/2" lenght=?	interior-structure	Used - Good
5	Steel Purlins-YMCA North York		Steel Purlins	Metal	5	14"x6" Lenght=?	interior-structure	Used - Good
6	Roof sheets-YMCA North York		Roof sheets	Metal		2'x5'5" Surface roof=	interior-structure	Used - Good
7	Lobby Light Fixtures-YMCA North York	53	Lobby Light Fixtures	Glass Metal	12	Various	interior-fixture	Used - Good
8	Resilient Flooring-YMCA North York		Resilient Flooring	Rubber		24"x24 Surface tot=	interior-finishes	Used - Good
9	Glass Block-YMCA North York		Glass Block	Glass	254	7 1/2"x7 1/2"	interior-finishes	Used - Like New
10	Gymnasium-Sports Flooring-YMCA Nor	EX DOXE	Gymnasium-Sports Flooring	Wood		1100 Square Meters	interior-finishes	Used - Good
11	Gymnasium Roof Structure-YMCA Nort		Gymnasium Roof Structure	Metal	10	64'	interior-structure	Used - Good
12	Accoustic Panels-YMCA North York	2	Accoustic Panels	Foam	30	5'x8'	interior-fixture	Used - Good
13	Steel Beams + Columns running track		Steel Beams + Columns ru	Metal	47	columns: 116"x5"x5" beams: 1	interior-structure	Used - Good
14	Brick Cladding-YMCA North York		Brick Cladding	Brick	215,000	3.625" x 2.25" x 7.625"	exterior-finish	Used - Good
15	Light fixtures gym-YMCA North York	N	Light fixtures gym	Glass Metal	8	30'	interior-fixture	Used - Like New
16	Light fixtures gym-YMCA North York		Light fixtures gym	Glass Metal	2	20'	interior-fixture	Used - Like New

NORTH YORK YMCA



DECONSTRUCTION & RECLAMATION AUDIT

YMCA NORTH YORK





Project Overview

Through on and offsite reuse and other diversion tactics this proejct has the ability to make an incredible impact. Reusing these materials is equivalent to the greenhouse gas emissions from driving 1,262 gasoline-powered passenger vehicles for one year!

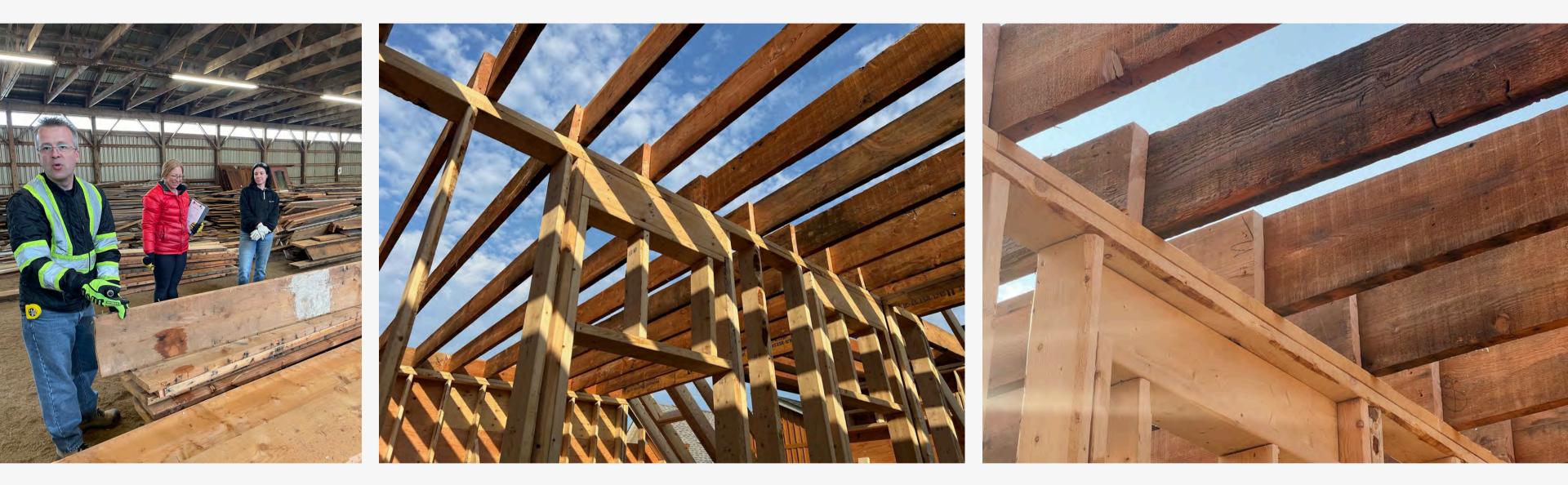
Item	Material	Location	Total Emissions (kg CO2e)
Pergola Beam	Concrete	Exterior Entry	17,673.8
Pergola Columns	Concrete	Exterior Entry	1,284.1
Interlock Pavers	Concrete	Exterior Entry	19,200.0
Sport Flooring	Wood	Gymnasium	826.2
Roof Structure-Rafters	Steel	Interior Main Entry	770,796.0
Roof Structure- Purlins	Steel	Interior Main Entry	2,854,800.0
Roof Structure- Roofing Sheet	Metal	Interior Main Entry	17,595.0
Resilient Flooring	Rubber	Gym, Weight Room	17,160.0
Glass Blocks	Glass	Basement Lobby	2,622.4
Rafters running track	Steel	Running Track-Third Floor	165,483.2
Columns running track	Steel	Running Track-Third Floor	165,483.2
Roof Structure Trusses	Steel	Gymnasium	1,115,400.0
Brick Cladding	Brick	Interior/Exterior Throughout	155,015.0
Accoustic Panel	Foam/Wood/Fabric	Weight Room/Gym	Unknown
Wall Base Vinyl		Throughout	357.0
		Total Emissions (kg CO2e)	5,303,696.1



REUSE PATHWAYS



REUSE/RE-GRADED LUMBER



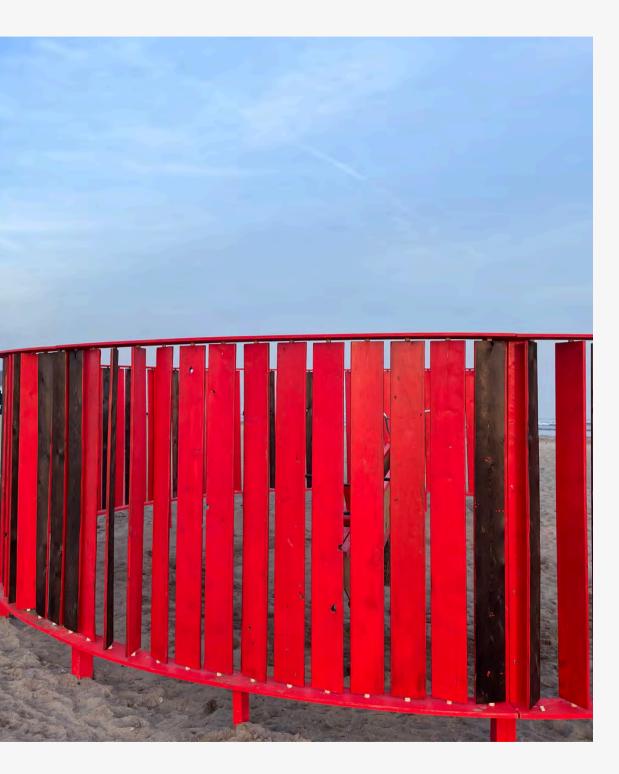
REPROCESS/PRODUCTS



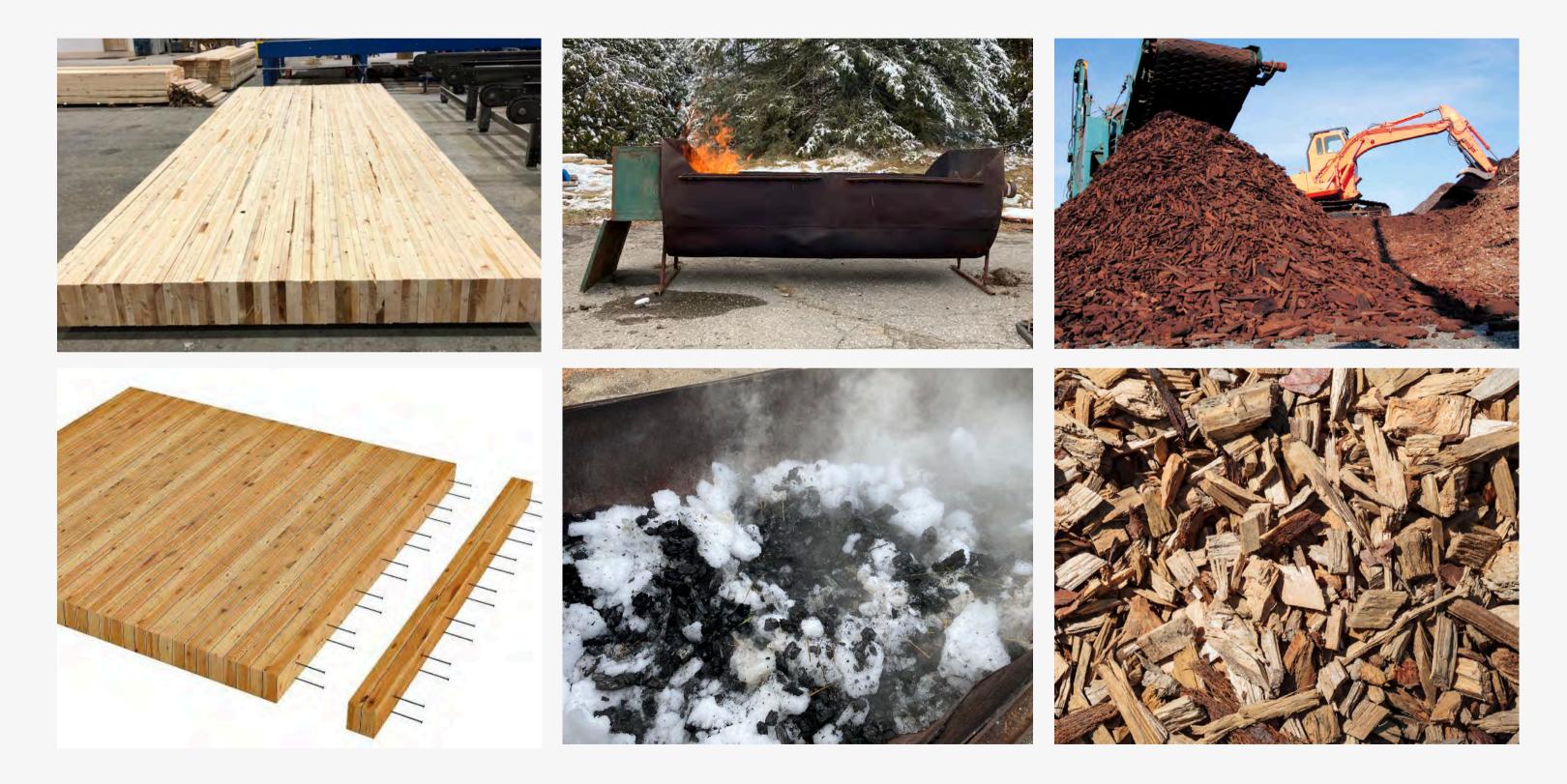
REPROCESS/ART



Toronto WinterStations, Lake Ontario University of Waterloo



REPROCESS/RECYCLE



KEY MARKET CHALLENGES



Infrastructure

Warehousing Space

Storage space and light industrial warehouses are in short supply and prohibitively expensive. Locations in urban areas are even more difficult to obtain.



Recycling Partners

When items cannot be salvaged, we look for recycling partners to help find a secondary market. Geographic regions have different standards and recycling can vary depending on the price of the material.



Incentives

Level Playing Field

Without bylaws or mandates deconstruction will remain a selective service. Incentives to help offset costs or timelines would help push this practice to mainstream.

Ouroboros Deconstruction



Perception

Material Reuse

Salvage material needs a rebrand, moving away from perceptions of rustic, shabby chic, and dirty material that should come at a discount. Instead we need to champion it as a resource with a cultural significance and environmental benefits.



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