

ORBIT

Problem: Construction & Demolition Waste



Building Demolition Waste

In NYC, an estimated 60% of the solid waste stream is Construction & Demolition Waste.



Construction Waste

An estimated 10-15% of construction materials delivered to site will be unused, wasted and landfilled.

Market & Policy Context

Rising Material Costs & an Affordability Crisis

- Tariffs
- 43% increase in construction material prices since Feb 2020.
- Resilient local supply chains are critical to keep businesses running.

Generational Shift in Construction Labor

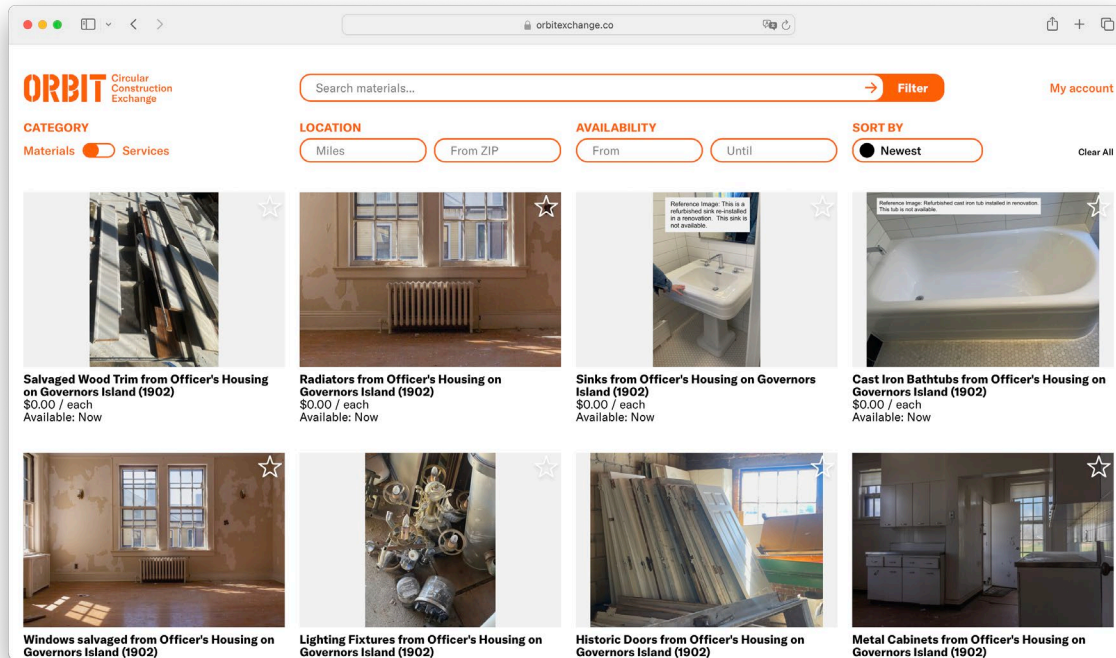
- 41% of construction labor force to retire by 2031
- Gen Z increasingly interested in studying building trades

New York City & State

- NYC: Executive Order 23
- Local Law 97
- NYCEDC's Circular Construction Guidelines
- NYCEDC's SPARC & Bush Terminal Pilot Projects
- NYS: Executive Order 22
- State Bill for wood reuse passed by Senate and Assembly.



Orbit Launch: Fall 2025



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Orbit is a 2-Sided B2B Marketplace & Service Directory to support the growth of the circular construction sector

User Research & Testing

Interviews & Feedback

- Time for Sourcing
- Matching Material Availability & Demand
- Storage
- Cost
- Risk Aversion

Select Pilot Partners (Public Sector)

- DSNY's Donate Team
- LaGuardia Community College
- Materials For The Arts
- Port Authority of NY/NJ
- The Trust for Governors Island

Select Pilot Partners (Private)

- Chief Bricks
- Circular Construction Hub
- CO Adaptive
- Daysleeper Lighting
- Gilbane
- NBC Universal
- Netflix
- Sawkill Lumber
- Spacesmith
- Stickbulb & Better Than New
- Tri-Lox
- Turner Construction
- UnionDocs
- Vernacular Works

Value For Users

Cost Savings

- Free or Lower Cost Materials
- Tax write-offs for donated materials.
- No hauling and landfilling costs

Facilitating New Revenue Streams and Network

- New revenue stream for contractors and sellers
- Early Buyers: Reclaimed material can be procured prior to deconstruction, justifying the labor cost to dismantle
- Easy for supply to find demand
- Marketing opportunities in the reuse economy.

Time Savings

- Easily searchable reclaimed materials make it comparable to specifying new materials
- Digital connections and database accelerate matchmaking

Reduced Carbon Emissions

- Emissions-free materials
- No emissions from global shipping or hauling to landfill

Key Users

01.

Raw Material Supplier:
Deconstruction & Demolition
Contractors



02.

Material Processors & Resellers:
Remanufacturing, Repair, & Retail



03.

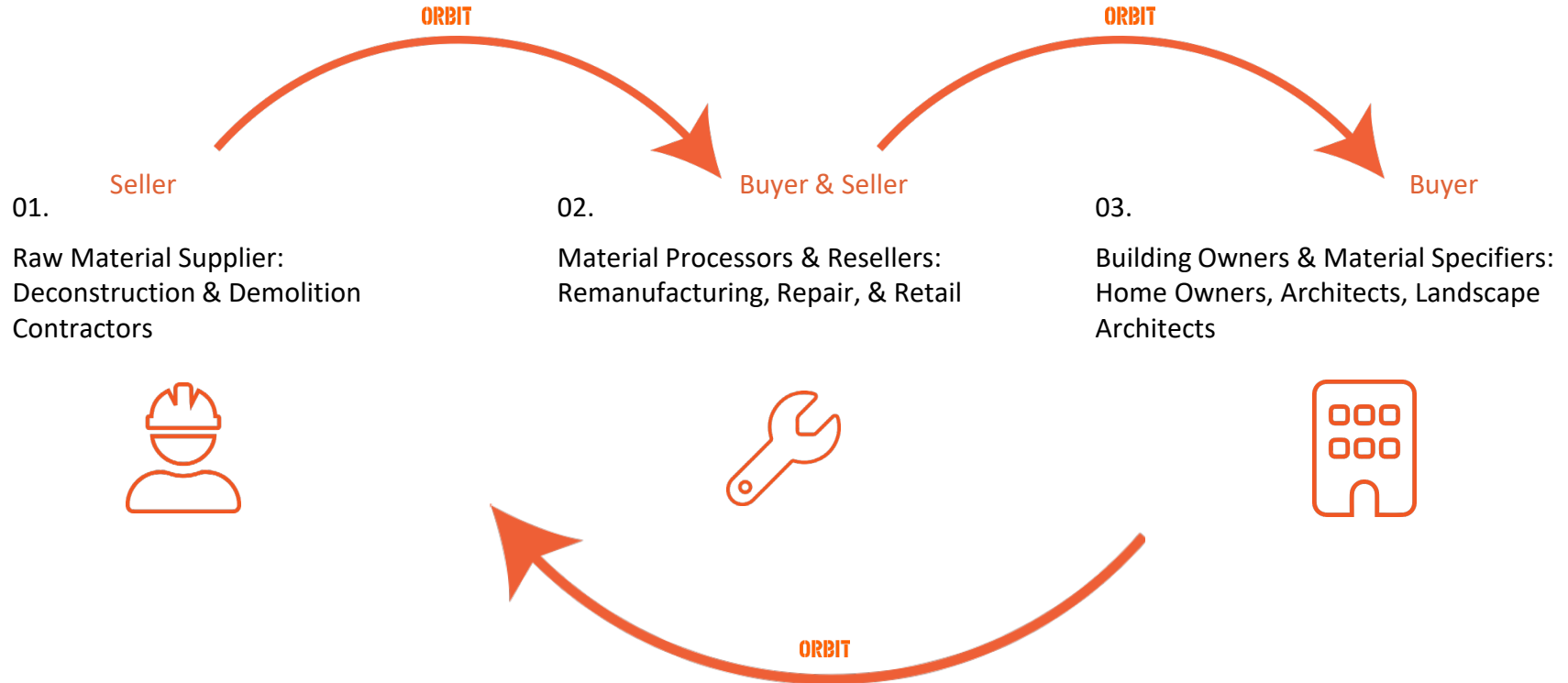
Building Owners & Material Specifiers:
Home Owners, Architects, Landscape
Architects



Key Users: Buyers and Sellers



Key Users: Buyers and Sellers



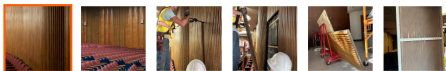
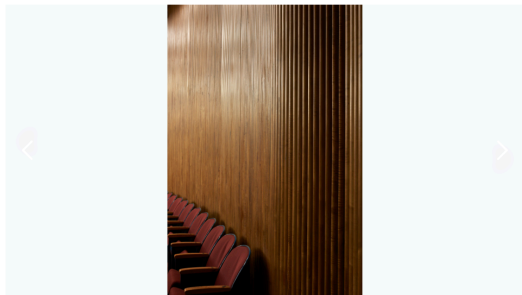
SPARC Pilot: Hunter College School of Nursing



Hunter College School of
Nursing
Brooklyn, NYC

Owner: NYCEDC

Partner:
CO Adaptive, Deconstruction
Contractor



1954 Maple Acoustic Wall Paneling from Hunter Brookdale School of Nursing

Location Brooklyn, NY 11205, United States

Price Contact for pricing

Quantity 4800 SF

Exquisitely crafted mid-century modern acoustic wall paneling available starting in February 2026 from New York City's first public pilot project to undergo NYCEDC's Circularity Guidelines published in 2024. Soon to become the future home of SPARC (Science Park and Research Campus) Kips Bay in Manhattan, this nursing school was originally constructed in 1954. CO Adaptive is one of four deconstruction contractors selected by the EDC and Skanska to dismantle materials for reuse in other architectural project uses. These seamlessly integrated panel assemblies are available in either a scallop shaped maple ribbing or a curved plane of maple. Each panel is 30" wide, with the heights ranging between 14 and 18 feet tall. Each panel has a copper mesh and fabric screen backing for acoustic absorption through the wood ribbing and then assembled together with a secondary wood frame to stiffen and bound each frame. We will have a sample available upon request and can travel locally to discuss your project. We are also offering consulting around circularity, EPDs and LCAs when incorporating this and other reclaimed products into your next design, as well as procurement and specification writing.

Note: These panels can be re-manufactured by Sawkill Lumber in Brooklyn to form fit any space or configuration. Final pricing contingent on any required modifications, storage, and delivery - however all pricing is targeted to be at or below the cost of virgin material assemblies with comparable characteristics. Please contact CO Adaptive or Sawkill Lumber to inquire about these unique mid century modern panels for your project. BIM and CAD models available for panel profiles and configurations.

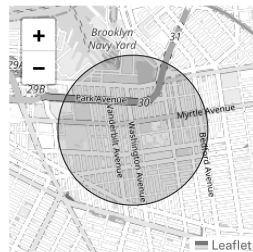
CO Adaptive is a group of unbuilders, architects, and builders who love circularity. Please let us know your interest and if you have any questions we can address to help you.

Keywords acoustical, conference room, living room, maple, theater, wall paneling, wood

Date posted 03.26.2026 **Updated** 03.26.2026

user-6530a236 service profile →

All materials from user-6530a236 →



Availability

02.01

Size

30" tall x 20" wide x 18.5" deep

Building Component

Interior Finishes

Millwork

Wall Covering

Material

Wood

Product

Paneling

Quality

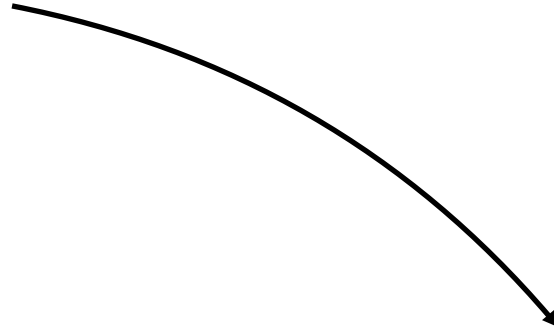
Excellent



Corner Club
East Williamsburg, Brooklyn, NY



Nublu 62 & Nublu 151
East Village, Manhattan, NY



Wei's Listening Lounge
Williamsburg, Brooklyn, NY



Nublu by Vernacular Works
Manhattan, NY



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Circular
Construction
Exchange

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1954 Auditorium Seating from Hunter Brookdale School of Nursing

Location East 25th Street, New York, NY 10010, United States

Price Free

Quantity 125

Beautiful steel auditorium seats available starting in February 2026 from New York City's first public pilot project to undergo NYCEDC's Circularity Guidelines published in 2024. Soon to become the future home of SPARC (Science Park and Research Campus) Kips Bay in Manhattan, this nursing school was originally constructed in 1954. CO Adaptive is one of four deconstruction contractors selected by the EDC and Skanska to dismantle materials for reuse in other architectural project uses. These fixed seats are available in a blue steel back and side wall with newly upholstered with a red fabric over cushioned seat and backs. These seats are not retractable, but do fold-up to provide a minimal footprint. The wooden armrests serve as the seam between seats and they also conceal the seat linking.

LiDAR and BIM models available upon request.

CO Adaptive is a group of unbuilders, architects, and builders who love circularity. Please let us know your interest and if you have any questions we can address to help you.

Keywords seating, theater, steel, fabric, auditorium, cushion

Date posted 11.14.2025 **Updated** 03.25.2026

CONTACT



SAVE TO FAVORITES



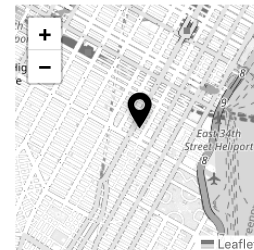
COPY LINK



CO Adaptive service profile



All materials from CO Adaptive



Availability

02.01

Size

30" tall x 20" wide x 18.5" deep

Building Component

Interior Finishes

Finishes

Material

Metal

Textile

Wood

Quality

Good

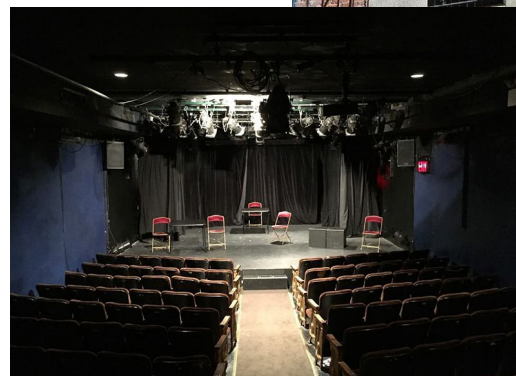
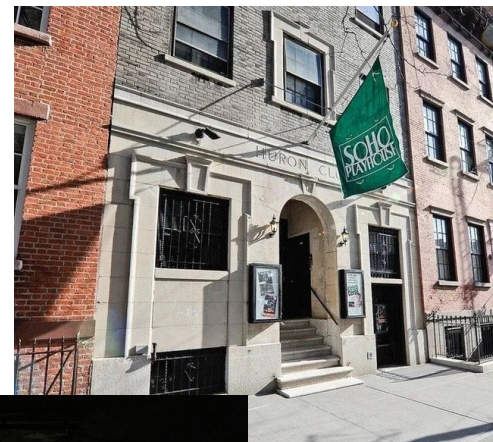
Excellent

Reclamation Status

In Use or Planned Deconstruction

In Person Review

Available



Soho Playhouse
Manhattan, NY
via Materials for the Arts



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1954 Glazed Ceramic Blocks from Hunter Brookdale School of Nursing

Location Brooklyn, NY, 11205

Price \$25.00 / block

Quantity 6,500-20,000 SF

Beautiful glazed ceramic blocks available starting in February 2026 from New York City's first public pilot project to undergo NYCEDC's Circularity Guidelines published in 2024. Soon to become the future home of SPARC (Science Park and Research Campus) Kips Bay in Manhattan, this nursing school was originally constructed in 1954. CO Adaptive is one of four deconstruction contractors selected by the EDC and Skanska to dismantle materials for reuse in other architectural project uses. These blocks are available in a light cream and a small quantity of mint green, and the sizes are 5" tall x 9 5/8" (with bullnose) or 9" (square) wide x 3 5/8" deep. This equates to 3.2 blocks per square foot for the majority of the profiles. We have samples available at our offices in the Brooklyn Navy Yard and can travel locally to discuss your project. We are also offering consulting around circularity, EPDs and LCAs when incorporating this and other reclaimed products into your next design, as well as procurement and specification writing.

Note: All mortar will be fully cleaned off of final product prior to resale. In addition, if there is interest, we are looking at producing an interlocking insert that would allow for dry-stacking these blocks so that they could be designed for disassembly in their next use.

CO Adaptive is a group of unbidders, architects, and builders who love circularity. Please let us know your interest and if you have any questions we can address to help you.

Keywords tiles, ceramic, Structural glazed block

Date posted 10.22.2025 **Updated** 11.15.2025

CONTACT



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COPY LINK



CO Adaptive service profile



All materials from CO Adaptive



Building Component

Masonry

Finishes

Material

Ceramic

Product

Tile

Quality

Excellent

Good

Reclamation Status

In Use or Planned Deconstruction

In Person Review

Available

Transportation

Delivery Available



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Remanufactured LED Light Fixtures from the SPARC project

Location Long Island City, NY 11101, United States

Price Contact for pricing

Quantity 1000+

BETTER THAN NEW in NYC is upgrading pendants, flush mounts, linears, and sconces from the SPARC deconstruction project with state-of-the-art LED technology.

- Built to order
- Customizable LED specs and Driver controls
- Refinished enclosures and diffusers. (Custom finishes available)
- CE certified

Keywords LED, lighting, SPARC, Light fixture

Date posted 10.17.2025 **Updated** 03.16.2026

CONTACT



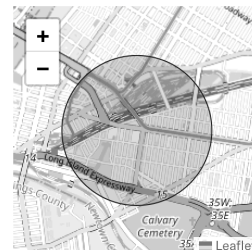
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All materials from user-9866e64a



Availability

04.06

Size

varies

Building Component

Lighting

Product

Lighting Fixtures

Quality

New

Reclamation Status

In Use or Planned Deconstruction

In Person Review

Available

Bush Terminal, Brooklyn, NY



Bush Terminal Warehouse
Renovation
Brooklyn, NYC

Owner: NYCEDC

Partner: Gilbane

Gov Island Climate Piloting Program

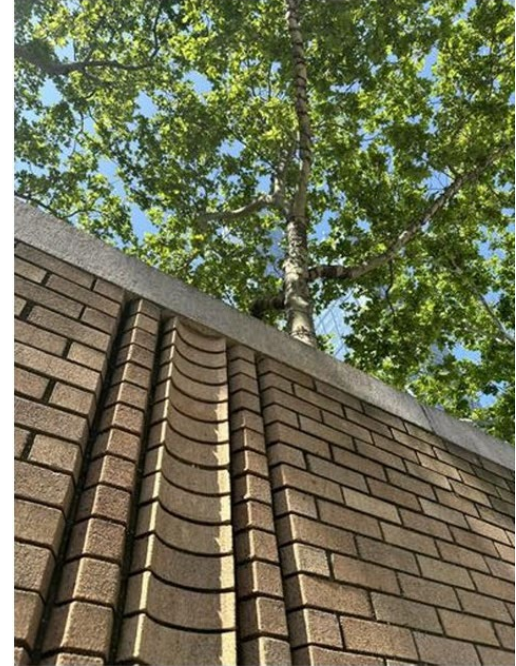
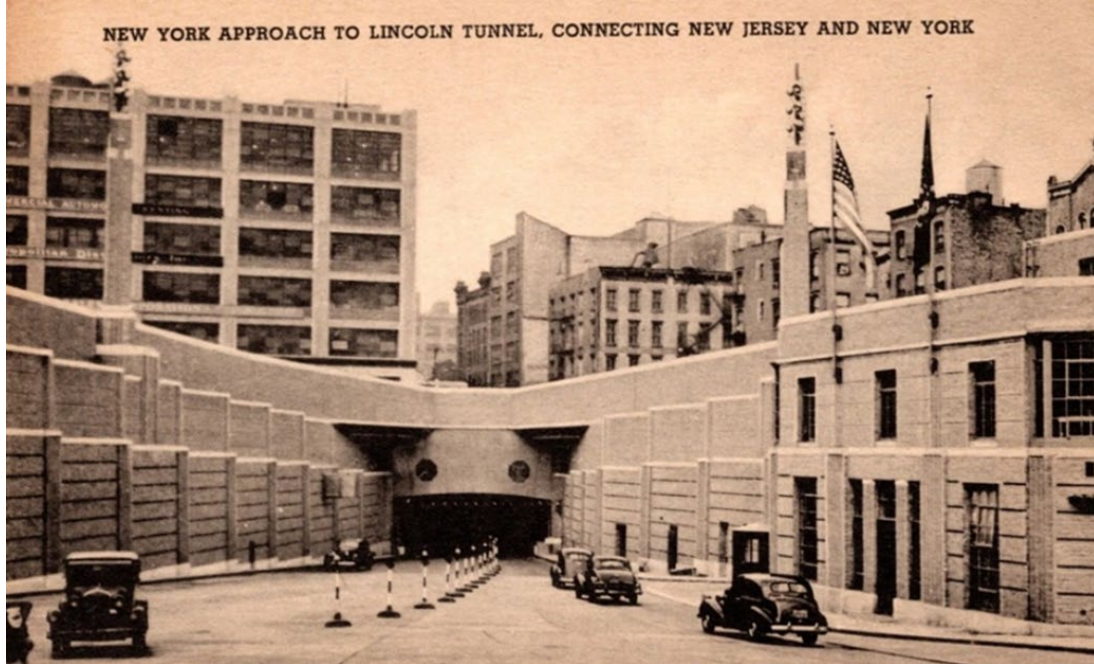


Historic Landmarked Officer's Home on Nolan Park (1891), Governors Island, NYC

Owner: Trust for Governors Island's Project Architect, Capital Projects team

Partner:
Circular Construction Hub

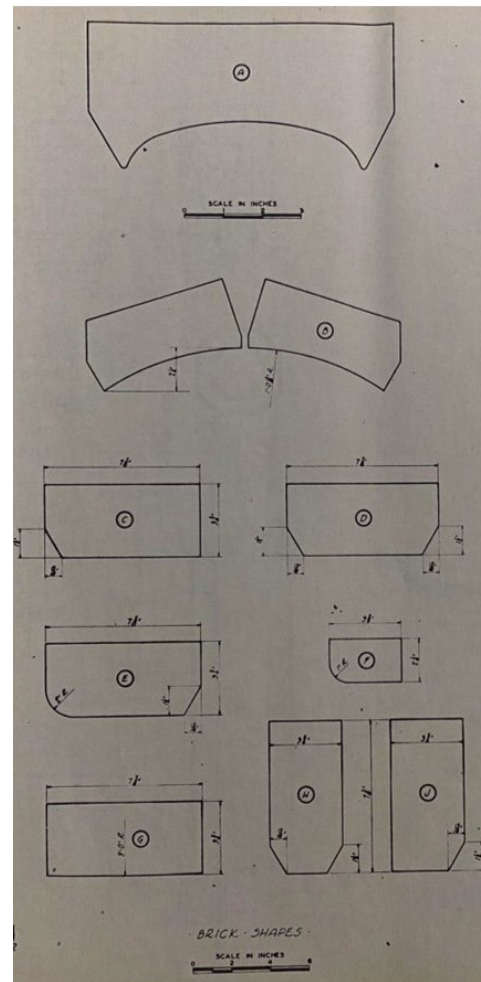
Lincoln Tunnel Retaining Wall Bricks



Transit Tech Lab Pilot Program
Port Authority of New York & New Jersey

50. MATERIALS FOR BRICK MASONRY.

Requirements for walk:



Partnered with Chief Bricks



Marketing & Outreach



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Miles

From zip

AVAILABILITY

From

Until

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8 Search Results [Save search](#)

All materials from Chief Bricks | Transit Tech Lab Pilot X



Historic Brick from the Lincoln Tunnel Retaining Wall Deconstruction - Type C
\$2.25 / each
Available: Aug 14, 2026



Historic Brick from the Lincoln Tunnel Retaining Wall Deconstruction - Type A.1
\$2.25 / each
Available: Aug 14, 2026



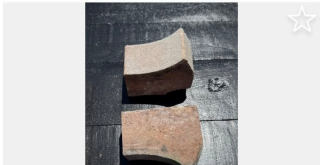
Historic Brick from the Lincoln Tunnel Retaining Wall Deconstruction - Type H.2
\$2.25 / each
Available: Aug 14, 2026



Historic Brick from the Lincoln Tunnel Retaining Wall Deconstruction: Common...
\$2.25 / each
Available: Aug 14, 2026



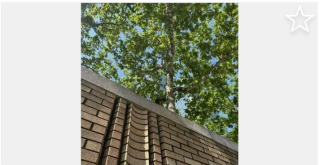
Historic Brick from the Lincoln Tunnel Retaining Wall Deconstruction - Type C
\$2.25 / each
Available: Aug 14, 2026



Historic Brick from the Lincoln Tunnel Retaining Wall Deconstruction - Type A.1
\$2.25 / each
Available: Aug 14, 2026



Historic Brick from the Lincoln Tunnel Retaining Wall Deconstruction - Type H.2
\$2.25 / each
Available: Aug 14, 2026



Historic Brick from the Lincoln Tunnel Retaining Wall Deconstruction: Common...
\$2.25 / each
Available: Aug 14, 2026

Material Matchmaking for Historic Renovations & Repairs



Astoria Pool Bathhouse, 1936
Architect: Aymar Embury
Queens



Jackie Robinson Play Center, 1936
Architect: Aymar Embury
Manhattan



Jacob Riis Bathhouse, 1936
Architect: Aymar Embury
Queens

Phase 2: Port Authority Bus Terminal Deconstruction & Reuse Planning





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AVAILABILITY

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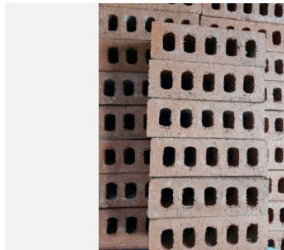
Circular Construction Hub

4100 1st Avenue 3N

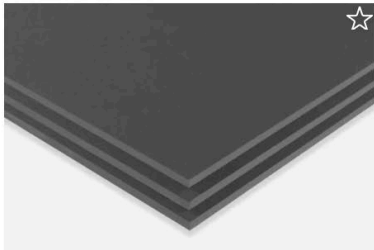
[Contact](#)



[Track New Arrivals](#)



Surplus Red Brick
\$71.50 / Pallet
Available: Until Aug 25, 2027



GatorFoam Board set of 3, black, 48 x 96"
\$125.00 / each
Available: Until Sep 8, 2027



Architectural Cored Brick- Oatmeal Velour color
\$550.00 / Pallet
Available: Until Sep 8, 2027



Grade A synthetic turf roll 1
\$763.00 / each
Available: Until Aug 25, 2027



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LOCATION

Miles

From zip

AVAILABILITY

From

Until

SORT BY

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Manhattan Mixed-Use
Deconstruction &
Reuse Project

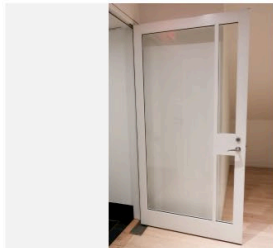
Manhattan Mixed-Use Deconstruction & Reuse Project

New York, New York

[Contact](#)



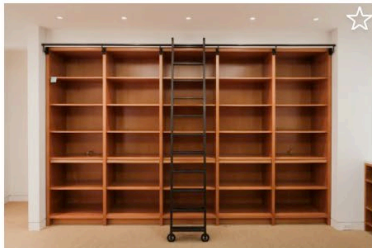
[Track New Arrivals](#)



Large White Glass Door

Free

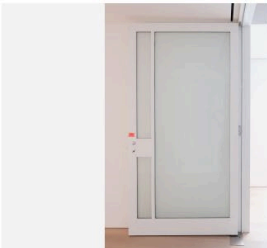
Available: Until Oct 15, 2026



Large Wooden Shelving Unit with Metal Ladder

Free

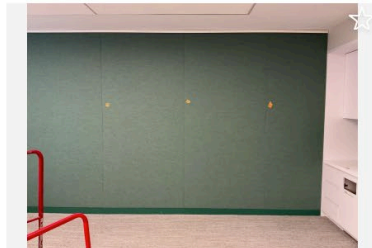
Available: Until Oct 15, 2026



Large Double Doors - 3 Translucent Windows

Free

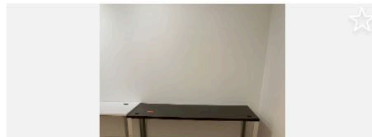
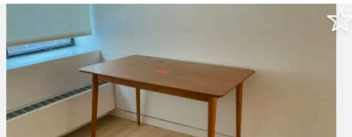
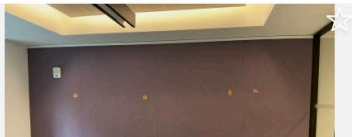
Available: Until Oct 16, 2026



Green acoustic panels

Free

Available: Until Oct 15, 2026



Supporting Demand: UnionDocs Renovation



UnionDocs
Non-profit Documentary Arts Center
Queens, NY

Matched:

- Furniture & Shelving from Manhattan Mixed Use Decon
- Furniture from a Netflix Film Set
- New Appliances from NBC Universal film set
- Kitchen Equipment & Shelving from Javits Trade Show Breakdown
- Kitchen Equipment for JFK Airport restaurant demolition
- Sink, Refrigerator & Equipment from West Village Cafe Demo
- Hardwood flooring from Tri-Lox

- 17 Metal doors & frame from Bush Terminal
- 2 sinks & Metal Cabinets from Governors Island

Currently Matching:

- Cement Board
- Flat white ceiling paint,
- Pipe Insulation
- MDF Trim (300 LF)
- Finish Plywood
- Sonopan
- Washer/dryer Combo
- Commercial Kitchen Equipment

Target Materials

Building Reusability

- ~30% of a building demolition project can be reused
- Older buildings, it can be up to 50%

Valuable Salvage Material

- Metals & Electrical Components
- Lumber: before 1940s
- Bricks: before 1950s
- Doors
- Clean Soils
- Architectural Antiques
- Aggregate: Brick, concrete, stone (down cycled)
- Furniture & Equipment

Growth Areas

- Commercial Interiors
- Landscape Materials
- Lighting
- Hardware
- Film Industry
- Event Industry
- Exhibitions & Temporary Installations

Roadmap

2026 Plan

- Web Shop (Paid)
- Material Documentation Services (Paid)
- Customer Segmentation (Paid)
- Enhanced Services Listings (Paid)
- Expanded Inventory Asset Management (Paid)
- Job & Event Listings (Paid)
- Payment through Platform (Paid)
- Data Dashboard
- Materials Wanted Listings
- Prompts to facilitate donations

Upcoming Features

- Logistics Management for coordinating Interest and Pick-up
- Buyer/Seller Verification & Reviews
- Certificate of Insurance Verification
- Product Dropdown Insurance
- Integrated Carbon Accounting & Reporting
- AI/Natural Language Search across Materials and Services
- 'Expressed Interest' in raw materials for remanufacturing

Thank you.



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