

ZERO WASTE PILOT PROJECT

Simmons University

Waste Prevention in Design Projects

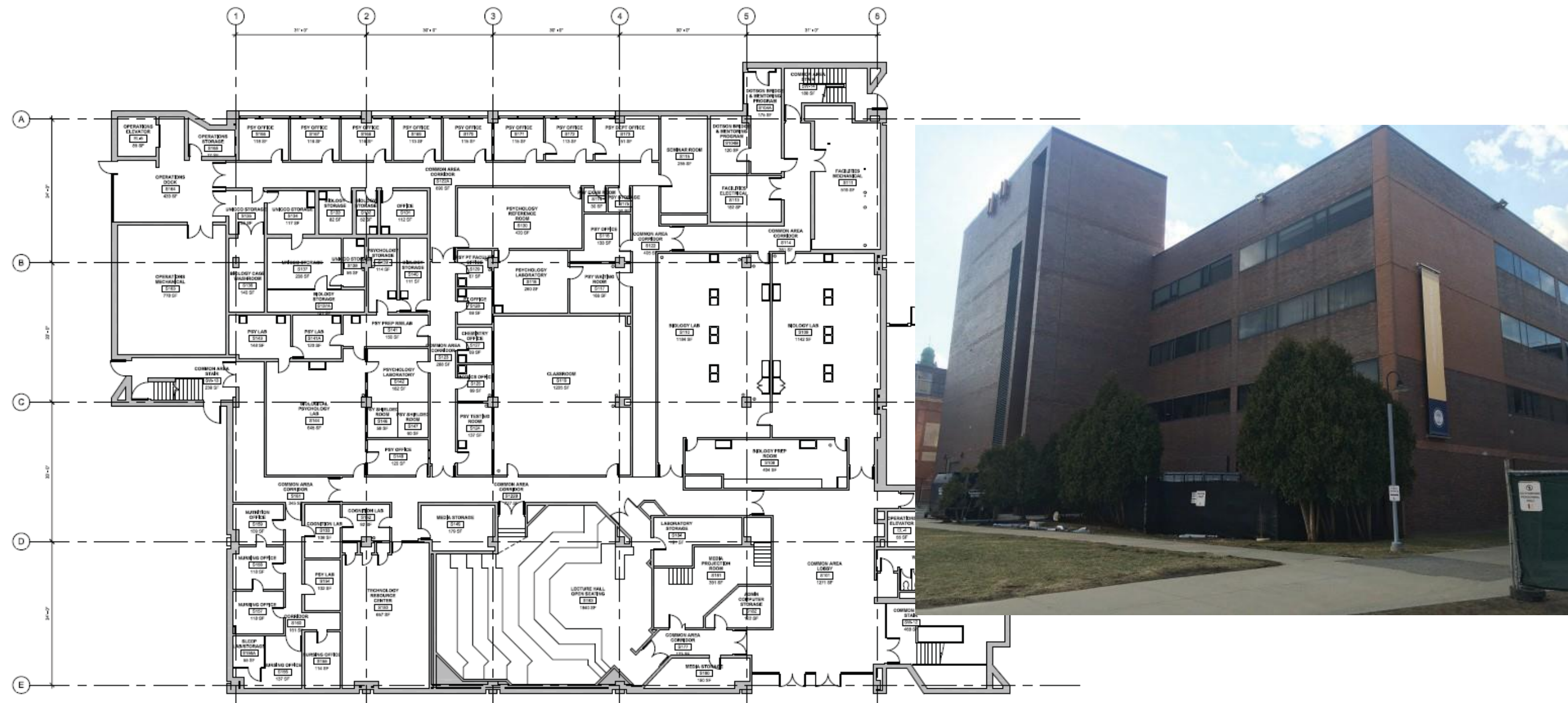
- › New spaces - resilient, flexible, durable, and timeless designs will last the test of time, be easily adaptable and accomodate the changing use of the space.
- › New construction - design and detail for deconstruction and reuse
- › Existing spaces - maximize reuse and repurpose
- › Minimize finish materials and select low-carbon products
- › Encourage building owner to divert as much as possible from the landfill

Waste Prevention in Design Projects

Encourage owner to divert as much as possible from the landfill

- › Who organizes this effort?
- › Short timelines
- › Surplus of items in the used marketplace

Simmons Park Science Building



Collaboration

- › City of Boston Zero Waste Pilot - Susan Cascino
- › RecyclingWorks - Abbey Massaro
- › Boston Society of Architects/Carbon Leadership Forum Boston - Reuse Subgroup - Michael Orbank/Kristen Fritsch

Goals:

- › Understanding of project type and hurdles
- › Cost data and impact of waste diversion for commercial construction waste
- › Reuse vendors and material streams

Timeline:

- › Spring 2022 - Skanska applied for RecyclingWorks Technical Assistance through City of Boston's Deconstruction Initiative
- › Spring 2022 - Demolition Bidders Walk thru
- › Fall 2022 - Walk thru with Reuse Organizations and research of material take-back programs
- › Winter 2023 - Volunteer event for Household Goods and Boston Building Resources
- › Spring 2023 - Continued removal of reusable items by various organizations
- › Summer 2023 - Abatement started

Opportunities:

- › Reuse
 - Furniture/Desks
 - Doors and Hardware
- › Green Goat and IRN
- › Seeding Labs
- › Takeback Programs for carpet and ceiling tiles
- › Tracking for LEED



Opportunities:



Volunteer Event



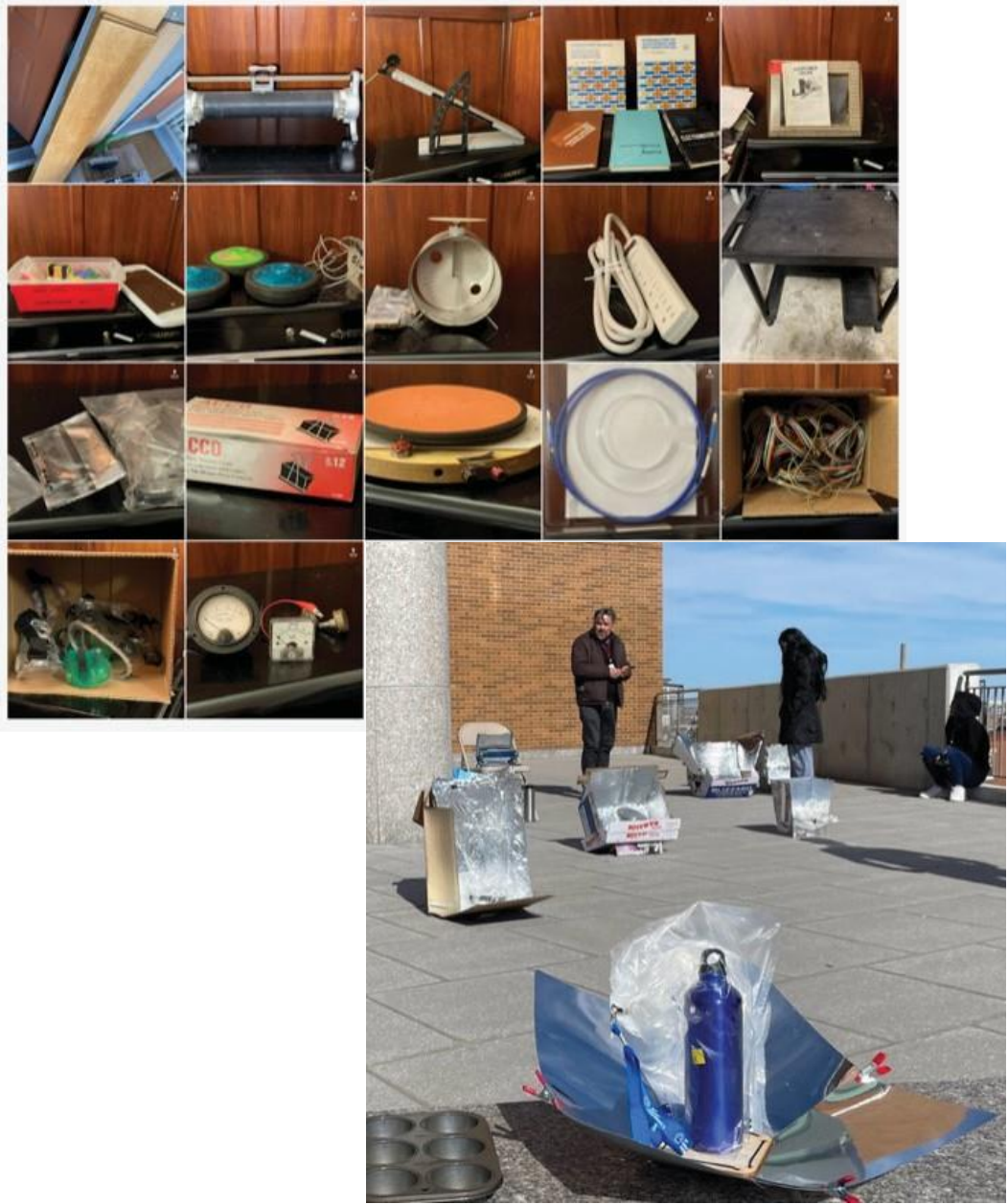
Items Reused:



Items Reused:



Items Reused:



ORGANIZATION	EST # ITEMS	EST WEIGHT
Simmons		
Boston Public Schools	153	2947
Energy Teachers	12	230
Baystate Learning Center	15	515
The Great Exchange	510	559
Einstein’s Workshop	362	178
More Than Words -boxes of books	15	400
Boston Building Resources	182	3118
Household Goods	83	3120
Dorchester Food Coop	159	3575
2Life Communities	47	2097
ReStore	70	2204
Green Goat	106	1110
EMA volunteers	29	927
Stonybrook Artists	41	2985
Robot Manufactory	16	335
Robotorium		
Goodwill Donation Center	9	170
TOTAL	1809	24470

Statistics/Data:

17

ORGANIZATIONS

Non-profit organizations, schools, and artists removed reusable items for use in their offices, to supply their clients, use for teaching, or art projects

12.2

TONS

Over 22,000 lbs of items were diverted from the landfill.

125+

FURNITURE PIECES

Desks, chairs, stools, lab tables, computer tables were removed for use to refresh offices and furnish apartments for newly housed citizens.

300+

LBS GLASSWARE

Beakers, test tubes, flasks, specimen containers and petri dishes were reused

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Encourage designers to specify reclaimed materials