

## Section 10 00 00 Design Guidelines for Waste Infrastructure

### Part 1 - General

#### 1.1 Summary

- A. This document provides direction to those involved with planning, designing, and developing waste infrastructure in newly renovated or constructed facilities. Brown adheres to recycling regulation and implements best practices among peers as outlined in the standards below.

These guidelines should be further supported by ongoing investigation, research, pilot projects, and feedback from professionals and occupants. As such, it is the intent of this document to be updated as needed.

Brown University is facing ever-increasing costs and environmental impacts due to campus expansion and subsequently increased waste creation.

#### 1.2 REQUIRED DESIGN DELIVERABLES

- A. For all new construction or major renovation projects, Recycling and trash bins should be strategically placed throughout the building for occupant use. Strategic placement will be determined by collaboration with the Office of Sustainability (OS), the Project Manager, the design team, and the Director of Custodial.
- B. All trash bins, should be designated with a "Trash for Landfill," label (for built-ins) or with signage that reads "Trash for Landfill" (for moveable trash and recycling units), and be paired with a recycling bin with the label or signage "All Recyclables."
- C. Recycling and Trash units can be either built-in or non-built-in units depending on the needs and design of the building; however, built-in units are preferred. This decision is based on the discretion of the project manager and design team.
- D. Built-in Units (Common Area Waste Stations):
- a. Built-in interior inserts should be sized to fit our standard trash and recycling Slim Jim bins which are the following dimensions - 22"L x 11"W x 30"H.
    - i. Allow for ½" on all sides of the built-ins' interior to facilitate easy removal of the slim jims for emptying and cleaning.
  - b. All built-in waste stations must have no fewer than three disposal openings.
  - c. The three openings should follow this order: Trash for Landfill, All Recyclables, All Recyclables..
- E. Non Built-in Units:
- a. Must be architecturally appropriate as determined by the design team and Project Manager and must be paired (recycling/trash).

- b. Non Built-in interior inserts should be sized to fit our standard trash and recycling Slim Jim bins which are the following dimensions - 22"L x 11"W x 30"H.
    - i. Allow for ½" on all sides of the non built-ins' interior to facilitate easy removal of the slim jims for emptying and cleaning.
  - c. Example choices of bin design can be found [here](#).
  - d. If it is determined, by the Custodial Director and the OS that there is a need for more than two waste bins placed adjacently, there should be one trash bin and two recycling bins placed in that order.
  - e. Final customization choices must be reviewed with OS.
  - f. Slim jim style waste units (rubbermaid type) should not be placed in any common space outside of copy/utility rooms unless there is a specific need as determined by Custodial Services and OS.
    - i. Recycling slim jims must be blue and have a blue swing lid top.
    - ii. Trash slim jims must be grey or brown and have a matching grey or brown swing lid top.
- F. All trash and recycling waste bins (both built-in and moveable) within a building should have the same size square disposal hole with dimensions of at least 9.5" x 9.5" or larger.
- G. Classrooms and Conference Rooms: No waste bins should be placed in conference rooms or classrooms. Common area waste stations should be strategically placed near conference rooms and classrooms. Labs should be treated on a case-by-case basis based on collaboration between the Project Manager, Office of Sustainability, Lab Manager of said building, and the Director of Custodial.
- H. Signage: All bins (built-ins and moveable bins) must have signage placed in an attached clear, [acrylic frame](#) on the wall or backsplash behind the bin. Frames should be sized to fit an 8.5"x11' sheet of paper. Please find the signage to be placed in the inserts here: [Recycling Signage](#), [Landfill Signage](#). If there is no wall or backsplash behind the waste station, the OS will consult on other alternatives. It is recommended that signage is placed in conference rooms and classrooms which indicate that users should dispose of their trash and recycling in the common area stations.
- I. Office space: It should be encouraged that in areas in which multiple occupants share a desk space, occupants share a common waste station and do not have individual receptacles. If this is not feasible, permanent desks (including personal and shared offices, and workspace spaces) should be outfitted with a Rubbermaid, blue recycling bin (28 QT) and a trash buddy.
  - a. All such bins should have waste signage stickers applied to the containers by the vendor (Marco Martins in the Stores Department and OS can provide further information). [Deskside recycling sticker](#), [trash buddy sticker](#).

- J. Compost: Compost locations are determined by the OS. If a project wants compost, OS will evaluate feasibility and work with custodial and/or Brown Dining Services if applicable.
  
- K. For projects that only affect a portion of the building, these standards should be applied to the project and that area of the building.