

Interior Trash/Recycling/Composting Receptacles **06.41.00**

Description:

The purpose of the section is to highlight the current applicable UMD Design Standards for the design, selection and placement standard for building interior trash receptacles.

Related Sections:

- 32 33 23 Site Trash Recycling and Composting Receptacles

Effective Date:

January 1, 2023

Applicable Standards:

- TBD

General Requirements:

UMD utilizes a single stream recycling program. All campus recycling bins are currently being designed, constructed or purchased to accept: paper, cardboard, bottles and cans in the same recycling container. The campus currently requires that every general trash bin receptacle be paired with an equally sized recycling bin receptacle.

Newly constructed or renovated UMD buildings also collect compostable material. Items accepted into compost bins include: food scraps, paper food containers, paper napkins & paper towels, and items specifically labeled 'compostable'. In addition, UMD also recycles toner cartridges, batteries, electronics, and a variety of other waste items throughout the campus.

Designers are required to detail (locate) into all working floor layouts all suggested locations for all integral and non-integral receptacle units as directed below.

Receptacle Types

(3) Unit Combination-Trash/Recycle/Compost

Non-Integral (open use):

Non-enclosed bins. No cabinet or manufactured encasement required.

Bin type: TBD

Sign Package: TBD

Locations:

- Back-of-house food service areas/kitchenettes
- Open interior dining areas

Integral (cabinetry):

Fully enclosed bins requiring designed millwork enclosures or approved manufactured units.

Bin type: TBD

Sign Package: TBD

Locations:

- Food service dining areas
- Administrative dining areas

Bin type: TBD

Sign Package: TBD

Locations:

- Lactation rooms

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(2) Unit Combination-Trash/Recycle

Non-Integral (open use)

Non-enclosed bins No cabinet or manufactured encasement required.

Bin type: TBD

Sign Package: TBD

Locations:

- Foyers
- Public Restrooms (each room)

Integral (millwork cabinetry)

Fully enclosed bins. Designed millwork cabinet or manufactured encasement required.

Bin type: TBD

Sign Package: TBD

Suggested Locations:

- Lobby areas
- Main hallways
- Conference rooms
- Lecter halls

(2) Unit Combination-Trash/Compost

Non-Integral (open use)

Non-enclosed bins No cabinet or manufactured encasement required.

Bin type: TBD

Sign Package: TBD

Suggested Locations:

- Public restrooms (each room)

Integral (Millwork cabinetry)

Fully enclosed bins. Manufactured cabinet encasement required.

Bin type: TBD

Sign Package: TBD

Suggested Locations:

- Main public bathroom (each room)

(Single) Stand Alone Unit – Stainless Steel

Non-Integral (Open use)

Manufactured stainless steel unit.

Bin type: SS1

Sign Package: N.A.

Suggested Locations:

- TBD
- TBD

(Single) Stand Alone Unit -Corrugated Cardboard

Non-Integral (Open use)

Non-enclosed bins No cabinet or manufactured encasement required.

Bin type: CCT/CCR/CCC

Sign Package: N.A.

Suggested Locations:

Minor Public Restrooms (each room)

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Bin Receptacle Types – design to:

- Bin type #1: (23 gal) 22" long x 11" wide – 30" high – SLIM JIM or similar
- Bin Type #2: (23 gal) 15.5" long x 16.5" wide – 32.9" high – UNTOUCHABLE SQUARE or similar
- Bin Type #3: (35 gal) 19.5" long x 19.5" wide – 27.63" high – UNTOUCHABLE SQUARE GRAY or similar
- Bin Type #4: 18"d x 10"w – 30" high- Corrugated cardboard. This unit is supplied by UMD - NIC.
- Bin Type #5: TBD

- Dimensions for the interior area of each cabinet should accommodate bin type as indicted. Leave above that is
- A designated (documented) location is required to be documented containing specific designated into space for three bins. rear backsplash area at 18" high to receive:

Sign Package: - design for:

Sign package 1: 11" wide x 17" high, UMD Standard designated sign to be coordinated with UMD sign shop

Sign package 2: Reserved for future

General Unit Design Criteria:

- For (3) bin combination - the order of the bins are (from left to right), Compost, Recycle, Trash.
- For (2) bin combo units - compost to be on the left, with trash on the right.
- Unless directed otherwise, the waste access opening for each cabinet should be "top-load" with a 10" min. diameter circular opening centered on each bin.
- The top of the interior bin/liner should only be 1-2 inches below the top opening of the cabinet.
- The sides/rear of interior should allow for 4" clear between bins with cabinet sides and rear.
- Once placed in the cabinet, bins should sit directly on the floor so that the bins can slide out from under the cabinet without obstruction. Access doors should also be flush to the floor, designed with a large lip or edge that would obstruct the bin from sliding out without obstruction.
- All millwork cabinetry (counters) should be designed to be supported without interior full height dividers placed between sections units to ease cleaning to cabinet areas.

Identification/Signage

No labels or signage should be placed on the bins or integrated into counter tops. UMD Facilities Management - Recycling and Solid Waste department.

All packages are to be custom made by UMD sign shop. Designers are required to contact and coordinate documents to reflect the current receptacle signage for size and placement of placards.

Design recessed alcoves to allow a clear reach area for each bin opening to deposit refuse. This back panel area should be 20" minimum high above any counter top to allow for UMD provided signage with a cleanable finish surfaces.

Bin Location Criteria:

- Ensure bins are located adjacent and/or proximity the following areas:
- Building entryways & lobbies
- Points of building egress
- Sitting/common areas
- Conference room & meeting room (anywhere that hosts events)
- Consider line of sight when choosing bin placement. A set of waste bins should always be visible. Multiple bins combination "line of sight" is not necessary.
- When built-in cabinetry is not installed, stand-alone receptacles should be position in floor layouts to allow for unobstructed movement by users.
- When deciding on cabinet/bin placement, consider process/work flow of housekeeping staff. All areas should have access to the elevator/ramp pathways to assigned building loading dock or dumpster containers.
- Have counter of cabinets made from a nonporous material that is easy to clean/maintain. Do not etch any lettering directly into the counter/cabinets.

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- Final bin type/locations are required to be reviewed and approved by FM- Recycling and Solid Waste department.

Additional UMD Recycling information:

The following information is included for coordination purposes only. Please review any required additional locations as directed by UMD PM.

- Designate at least one area within the building for collection and storage for “other” recyclables:
- Small personal electronics (i.e. cell phones, tablets, and laptops)
- Batteries, Ink/Toner Cartridges and other (i.e. small rigid plastic, wood, metal objects)
- Reusable items available for free “Give & Take”