

Section 11 40 00 – Foodservice Equipment (Food Storage; Food Preparation; Food Delivery Carts & Conveyors; Food Cooking; Food Dispensing; Ice Machines)

1. See also Division 21 for Fire Suppression.

End of Section

Section 11 52 00 – Audio-Visual Equipment

1. See also Classrooms Appendix.

End of Section

Section 11 53 00 – Laboratory Equipment

1. See also Laboratories Appendix.

End of Section

Section 11 80 00 – Collection & Disposal Equipment (Solid Waste Handling)

1. See also Loading Docks Appendix.
2. Design of facilities that involve storage and/or disposal of industrial and/or special materials, chemicals, waste, etc. will require a report and recommendation from Facilities EH&S.
3. Exterior Recycling & Equipment:
 - a. All recycling stations are to be determined and located with Campus Recycling by 100% DD.
 - b. Collection shall be sited alongside building garbage collection whenever possible and applicable.
 - c. Additional loading dock requirements may be applied based upon project program, scope, etc.
 - d. Office and Academic Buildings require the following at a minimum:
 - Concrete or asphalt pad for siting of a 3 yard cardboard dumpster and a 3-yard garbage dumpster.
 - Recycling collection/staging area in the form of a weather-protected loading dock, an enclosed shed, or a covered enclosure.
 - Service vehicle parking or dock space sufficient for a large step-van.
 - e. Athletic Facilities require the following at a minimum:
 - PDO (Public Drop-Off's) and/or recycling shed at all major entrances and exits for collection of bottles, cans, and paper.
 - Concrete or asphalt pads for cardboard and garbage dumpsters. Number to be determined by the size and nature of the athletic facility.
 - f. Residence Halls require the following at a minimum:
 - Recycling staging area in the form of a weather-protected loading dock or a covered enclosure. Size must be sufficient to hold twelve 45-gallon barrels.
 - Service vehicle parking or dock space sufficient for a large step-van.
 - The following collection areas are required only in the event interior collection sites are not provided.
 - i. Exterior resident recycling collection areas for each major wing of a residence hall in the form of a covered enclosure or sufficient to hold eight 45-gallon barrels.
 - ii. One 3-yard cardboard dumpster.
 - iii. One 3-yard garbage dumpster.
 - Concrete or asphalt pad for siting of any additional 3 yard cardboard dumpster and 3-yard garbage dumpsters.
 - Any kitchen area operating within a Residence Hall complex requires an additional recycling staging area separate from recycling collection sites used by Residence Hall residents. Site must be sufficient to hold twelve 45-gallon barrels and a 3-yard cardboard dumpster.

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- g. Off-campus Apartment Units/Family Housing Complexes:
- Shall be equipped with full-service, self-contained recycling sites in covered enclosures.
 - One recycling site for each 15-20 apartments; units or apartments configured in a sprawling layout could require a greater number of sites per unit.
 - Each site consists of the following:
 - i. One 4-part PDO with 14-gallon curbside inserts
 - ii. One 4-part Recycling Shed with 45-gallon barrels
 - iii. One 3-yard cardboard dumpster
 - iv. One 3-yard garbage dumpster
- h. Campus Public Exterior Areas:
- Require a PDO on high traffic areas and gathering spots.
 - One or more PDO shall be sited at the following locations:
 - i. Established entries to and exits from campus.
 - ii. Major pedestrian intersections throughout campus.
 - iii. Well-used pedestrian walkways and traffic pattern locations
 - iv. Athletic facilities
 - v. The Erb Memorial Union exterior.
 - vi. Each PDO site shall have at least one garbage receptacle
- i. OFOI Exterior Recycling Equipment: Containers listed below are for information and standards for the purposes of fire-safety, life-safety, maintenance, serviceability and public usability.

- Public Drop Off (PDO) recycling shed – 4-part
 - i. Mfg./Supplier: DeWald Northwest, Albany, OR
 - ii. Part No: as per U of O drawing dated 4-17-98
 - iii. Holds four 14-gallon inserts (see item below)
 - iv. Siting/applications: Campus-wide public, high- traffic pedestrian areas.
 - v. Signage by Campus Recycling.
 - vi. Finish, UO Green.

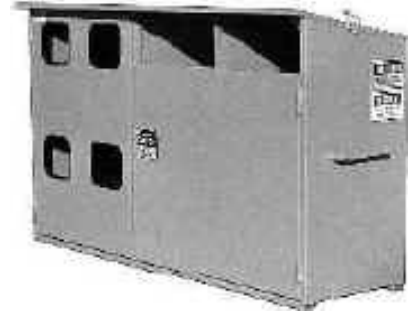


- 14-gallon Curbside Recycling Bins
 - i. Inserts for 4-part DeWald PDO-style units (see item above)
 - ii. Mfg./Supplier: Busch Systems International, Barrie, Ontario, Canada
 - iii. Part Number: BC2000, color Kelly Green, stamped 'We Recycle'
 - iv. Siting/applications: Inserts for 4-part PDO-style DeWald units, above. (Units used are ordered in kelly green)
 - v. Signage by supplier.



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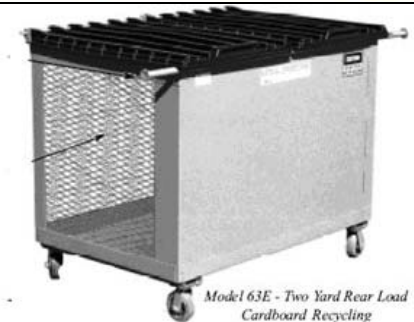
- Recycling Shed – Combo 4-part and 2-barrel
 - i. Mfg./Supplier: DeWald Northwest, Albany, OR
 - ii. Part No: C2-4
 - iii. Holds four 14-gallon inserts and two 45-gallon Barrels.
 - iv. Siting/applications: Off-campus housing recycling stations and other campus special-applications areas.
 - v. Signage by Campus Recycling.
 - vi. Finish, UO Green.



- Recycling Shed – 4 barrel
 - i. Mfg./Supplier: DeWald Northwest, Albany, OR
 - ii. Part No: Special Model (custom sized) C-4
 - iii. Holds four 45-gallon barrels.
 - iv. Siting/applications: Off-campus housing recycling stations and other campus special-applications areas. (Similar to the adjacent picture 2-section unit, but with 4 sections.)
 - v. Signage by Campus Recycling.
 - vi. Finish, UO Green.



- Cardboard Recycling Dumpster
 - i. *These units are provided by International Paper Company as part of its cardboard recycling contract with the University. Sizes vary by building size, from 1-yard to 3-yard capacity.
 - ii. Siting/applications: All campus buildings and residential areas.
 - iii. Signage by Campus Recycling.



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4. Interior Recycling & Equipment:

- a. All needed recycling stations are to be determined and located with Campus Recycling by 100% DD.
- b. Collection shall be sited alongside garbage collection whenever possible and applicable.
- c. Office and Academic Buildings: The following represent general guidelines.
 - A public recycling site will consist of a 5-part collection system for 2 paper grades and (combined) bottles/cans.
 - One 5-part, fire-rated, public recycling collection site plus garbage can for each major wing of each floor of a building.
 - One 5-part, fire-rated, public recycling collection site plus garbage can for each 4 to 6 classrooms.
 - One 5-part, fire-rated, public recycling collection site plus garbage can for each 5 to 10 offices or for each office suite.
 - One 3- to 5-part, non-fire-rated non-public recycling collection site plus garbage can for each copy room and/or mail room.
 - Additional receptacles for mailroom junk mail collections.
 - Additional sites as dictated by occupant needs.
 - For fire-rated sites, preference is given to Bagit Steel Enclosures.
- d. Residence Halls: The following represent general guidelines.
 - One full service site plus garbage receptacle per major wing of each residence hall located in basements, or exterior covered enclosures. Site capacities will vary from 6 to 12 barrels.
 - One in-room dorm bin per resident room.
 - Paper and bottle/can recycling for each area desk.
 - Receptacles for mail area collection of junk mail.
 - The use of DeWald 2- and 4-part sheds in interior Residence Hall locations is preferred.
 - A secure room or space for the storage of Campus Recycling service equipment (hand trucks, PPE, barrels, etc.) and a small crew office with telephone and data hook-ups.
- e. Special-Use Buildings, such as the Erb Memorial Union, Recreation Center, café areas, etc. require area-specific recycling collections equipment and staging areas. These types of buildings have low permanent occupancy and high transient occupancy. At a minimum the following recycling will generally be required in these areas:
 - A generous allotment of collection equipment per occupant or user.
 - A greater variety of recyclables.
 - Extensive staging and/or loading dock recycling equipment storage areas.
 - More aesthetically-pleasing collection equipment
 - Garbage collection at all public recycling areas
 - Generous cardboard collection sited with garbage dumpsters.
 - Allowances for the collection of special materials (junk mail, CD's, arts and crafts recycling, etc.)
 - A secure room or space for the storage of Campus Recycling service equipment (handtrucks, PPE, barrels, etc.) and a small crew office with telephone and data hook-ups.

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f. OFOI Interior Recycling Equipment: Containers listed below are for information and standards for the purposes of fire-safety, life-safety, maintenance, serviceability and public usability.

- Bagit Original Hanging Bag Recycling System
 - i. Mfg./supplier: The Bag Connection, Dundee, OR
 - ii. Part numbers:
 - 05BP – Blue 14-gallon paper recycling bag
 - 05WP – White 14-gallon paper recycling bag
 - 05GP – Green 14-gallon paper recycling bag
 - 05L – 14-gallon leak-proof bottle/can recycling bag (blue)
 - 06P – Single bag free-standing rack
 - 07P – Double bag freestanding rack
 - iii. Custom-made 20-gallon leak-proof bottle/can recycling bag - green. (14- and 20-gallon leak-proof bags not shown)
 - iv. Siting applications: Non-fire-rated sites for paper & bottle/can collections; office suites, copy rooms, etc.



- 3-tiered Deskside Paper Sorting Boxes
 - i. Mfg./supplier: Columbia Corrugated Box Co., Tualatin, OR
 - ii. Part number: Tiered boxes – Printed rotary bin with inserts #1, #2 and #3.
 - iii. Siting/applications: Deskside, as requested. User-serviced container.



- 20-gallon Galvanized Garbage Cans
 - i. Mfg./supplier: Behrends
 - ii. Part Number: 1211
 - iii. Siting/applications: Fire-rated areas for paper and bottle/can collections where funding for Steel Bagit Enclosures is not possible. For bottle/can collections, these use the Bag Connection custom-made 20-gallon leakproof recycling bags.
 - iv. Signage by Campus Recycling.



- Dorm Bins
 - i. Individual bins for residence hall occupants.
 - ii. Manufacturer/Supplier: Busch Systems International, Barrie, Ontario, Canada
 - iii. Part Number: BC1000 6-gallon Deskslider, color Kelly Green, stamped 'We Recycle'
 - iv. Siting/applications: One per each residence hall Room.
 - v. Signage by supplier.



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g. CFCI Interior Recycling Equipment: The following represent preferences for building/project funded, furnished, and installed interior recycling equipment.

- Bagit Steel Enclosures
 - i. Mfg./supplier: The Bag Connection, Dundee, OR
 - ii. Part Number: Special order, no part number
 - iii. Installed in 2-, 4-, 5- and 6-unit blocks – requires Bagit Original bag inserts (above).
 - iv. Siting/Applications: Fire-rated areas. Purchase and siting are contingent upon and determined by construction project budgets and departmental funding.
 - v. Signage by Campus Recycling.
 - vi. Finish: either UO Green or black



- Casework
 - i. Mfg./supplier: Various contractors
 - ii. Part number: N/A
 - iii. Siting/applications: Fire-rated areas. Purchase and siting are contingent upon and determined by construction project budgets and departmental funding.
 - iv. Signage by Campus Recycling
 - v. Finish: Woodgrain and/or various
 - vi. Sizing: To accept Rubbermaid inserts



- Casework Inserts
 - i. Mfg./supplier: Rubbermaid
 - ii. Part Number: 3569
 - iii. Installed in built-to-size casework
 - iv. Siting/Applications: Fire-rated areas.
 - v. Purchase and siting are contingent upon and determined by construction project budgets and departmental funding.
 - vi. Signage by Campus Recycling.



5. OFOI Shared Equipment Containers; Interior and Exterior: Containers listed below are for information and standards for the purposes of fire-safety, life-safety, maintenance, serviceability and public usability.

- a. 50-gallon plastic barrels
 - Inserts for DeWald recycling sheds for non-paper materials. Barrels are also used for interior collections in residence hall resident sites and in residence hall kitchen areas.
 - Manufacturer/Supplier: Provided by Forrest Paint of Eugene, OR for no charge.
 - Part Number: Various.
 - Siting: Various, as per DeWald unit siting and residence hall needs.
 - Signage by Facilities Recycling.



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- b. 50-gallon plastic barrels
- Inserts for DeWald recycling sheds for non-paper materials. Barrels are also used for interior collections in residence hall resident sites and in residence hall kitchen areas.
 - Manufacturer/Supplier: Provided by Forrest Paint of Eugene, OR for no charge.
 - Part Number: Various.
 - Siting: Various, as per DeWald unit siting and residence hall needs.
 - Signage by Campus Recycling.



- c. 50-gallon fiber barrels
- Inserts for DeWald recycling sheds for paper.
 - Manufacturer/Supplier: Provided by Forrest Paint of Eugene, OR for no charge.
 - Part Number: Various.
 - Siting: Various, as per DeWald unit siting and residence hall needs.
 - Signage by Campus Recycling.



6. Compost Collection and Equipment:

- a. Office and Academic Buildings: Should include the minimum allowances for composting.
- All equipment should be co-located with recycling and garbage receptacles:
 - Minimum one 96-gallon or up to three 32-gallon roll carts sited in the same exterior location as garbage and cardboard dumpsters; interior room with direct access to building egress and service vehicle parking.
 - One individual compost unit per building occupant requesting voluntary participation in the compost program.
 - One paper towel compost collection receptacle per restroom.
- b. Residence Halls:
- Exteriors: Up to three 96-gallon roll carts sited in the same exterior location as garbage and cardboard dumpsters.
 - Interior room with direct access to building egress and service vehicle parking.
- c. Dining Facilities:
- Public Sites: Post-consumer collection sites based upon dining hall service levels. Casework inserts or 32-gallon roll carts are standard. May be tailored to interior décor and established collection containers. All equipment should be co-located with recycling and garbage receptacles.
 - Kitchen Interior Sites: Kitchen equipment for pre-consumer food composting as needed by staff and as dictated by space considerations. Ideally, a combination of 35-gallon roll carts and 5-gallon buckets co-located with garbage and recycling receptacles.
 - Kitchen Exterior Sites: Will utilize 96-gallon roll carts as detailed above; and/or will contribute loads in 35-gallon roll carts as needed.

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d. Interior Common Spaces:

- Post-consumer collection sites based upon area usage and proximity to food consumption areas.
- Casework inserts or 32-gallon roll carts are standard.
- Equipment should be co-located with garbage and recycling receptacles.

e. Satellite Cafes:

- Interior Post-consumer Sites: For café clientele located in or near cafe. Casework inserts or 32-gallon roll carts are standard. May be tailored to interior décor and established collection containers. Equipment should be co-located with garbage and recycling receptacles.
- Interior Pre-consumer Sites: For pre-consumer food composting as needed by staff and as dictated by space considerations. Ideally, a combination of 35-gallon roll carts and 5-gallon buckets. Equipment should be co-located with garbage and recycling receptacles.
- Exterior Sites: Utilization of a combination of building 96-gallon roll carts and/or café 32-gallon roll carts.

f. Multi-purpose and Non-standard Building Types and Usages: Need(s) will be determined on a case-by-case basis in keeping with similar determinations for recycling and garbage service and equipment provisions. Equipment should be co-located with garbage and recycling receptacles.

g. OFOI Compost Containers: Containers listed below are for information and standards for the purposes of fire-safety, life-safety, maintenance, serviceability and public usability.

- 96-gallon & 32 gallon roll carts
 - i. For centralized building collections and pick-ups plastic barrels.
 - ii. Manufacturer: Toter Inc.
 - iii. Part Number: EVR® II
 - iv. Siting/applications: For use in interior Residence Hall locations where space allows. These are particularly suitable for large, open areas such as basement hallways and trash rooms where enclosure of barrels is desirable or required for fire rating purposes.
 - v. Signage by Campus Recycling.
 - vi. Finish: Brown



- Collection Buckets
 - i. For food service work stations and small café-style food outlets.
 - ii. Multi-purpose 4- or 5-gallon buckets as shown.
 - iii. Signage by Campus Recycling.



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- Event Compost Collection Cans
 - i. Manufacturer: Rubbeermaid
 - ii. Siting/applications: For attendee use at events.
 - iii. Signage by Campus Recycling.
 - iv. Finish: Yellow



- Paper Towel Collection Containers
 - i. For collections of compostable paper towels in all restrooms.
 - ii. Size and specifications may vary by restroom dimensions and aesthetics.
 - iii. Comparable to Rubber maid Slim Jim (shown) with distinctive coloring.



- Individual Compost Units
 - i. For individual compost collection for faculty and staff.
 - ii. Busch Systems 1.45-gallon Mini Kitchen Compost Carrier #KC-1000 as shown or comparable.
 - iii. Signage by Campus Recycling.



- Compost Bags & Liners
 - i. BioBag brand 39-gallon shown or comparable.



End of Section

END OF DIVISION 11