TRASH AND RECYCLING ENCLOSURE
Construction Design Standards
UC Berkeley

Working Group Members

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Where proposed enclosure needs modification, review and approval, including Campus Fire Marshal approval, is needed

Drainage

1. Provide a 3" minimum drain line inside the enclosure routed to the sanitary sewer; with a trap-type catch basin or a cleanout to grade in combination with a p-trap

Doors

1. Install sturdy, wide, and positive closing doors (not to exceed 15lbf for opening)

2. Doors shall have a mechanism with sufficient tolerance to remain closed with □ inch of door misalignment

3. Design door opening width to extend a minimum of 2 feet past width of bins on both sides to allow ease of bin movement

Paving

1. Pave enclosure pad and front entry concrete apron with an impermeable material

2. Reinforced 6"thick concrete is recommended as a minimum

Grading

1. If the enclosure is open to rainfall, the inside of the enclosure shall be graded to drain to a dual sanitary sewer - storm drain. A valve shall be installed to enable switching from storm to sanitary drain for cleaning or spills

2. Grade the apron away from the enclosure pad to keep storm water out

3. Grades shall not exceed 5%, nor be less than 1%

4. Create positive surface run off around enclosure and swale in front of doors, if site grades require it

Walls/Screening

1. Include an interior curb, with strike plate or bumper guard to prevent damage to walls

2. Walls/screening shall screen the contents inside the enclosure

Lighting

1. Provide motion sensor controlled lighting in the enclosure

2. Lighting shall be designed to provide a minimum of 0.5 foot-candles inside and along the access route to the enclosure

3. Use long life lamps compatible with the surrounding pedestrian lighting

Water Supply

1. Provide hose bib source inside the enclosure

Access

1. Top of the dumpsters cannot exceed 36 inches from the finished grade or use of mechanical assisted or automated system must be provided

2. Dumpster must be accessible to the street level for servicing

3. The path from the service elevator to an indoor enclosure shall be within building. No impediments shall exist in the path of travel to any enclosures. Impediments include: stairs, textured surfaces, bumps, drains, slopes/grades greater than 2%.

Distance from Enclosure to Truck Access

1. Locate enclosure no more than 5 feet away from truck access. Pathway and parking grades shall not exceed 2%.

2. If needed for protection, traffic control bollards shall be placed to allow pedestrian access to the enclosure and spaced 80″ on center to allow bins to roll through them.

Materials and Size of Enclosure to be Accommodated

1. Dumpster or cart space shall be provided for: a) mixed paper, b) cans and bottles, c) organic materials, d) trash and e) reusables.

2. Size of enclosure and number of dumpsters needed will depend on size of building, occupancy, and building use. Please contact Campus Recycling and Refuse Services for proper sizing of the enclosure. Two cubic yard bins are 54″ tall x 80″ wide x 52″ deep.