

Last Update: July 1, 2009

A. Introduction:

1. Location of Refuse and Recycling containers/carts must be considered in all construction projects that impact service /loading dock areas of new and existing facilities. The size and depth of the loading dock must likewise be adequate for mail and parcel delivery.

B. Refuse Container Sizes:

1. There are five different sizes of refuse containers currently used on campus:

**Table 1**

Refuse Container Size	
Container Size	Footprint
1.0 Yd <sup>3</sup>	80" x 32"
1.5 Yd <sup>3</sup>	80" x 40"
2.0 Yd <sup>3</sup>	80" x 60"
4.0 Yd <sup>3</sup>	80" x 90"
6.0 Yd <sup>3</sup>	80" x 128"

2. Large buildings with significant output of refuse might require compactors, which vary in size.

C. Recycling Container Sizes:

1. There are two different sizes of recycling carts:

**Table 2**

Recycle Container Size		
Container Size	Footprint	Height
64-gallon	28.75" x 23.0"	42.25"
68-gallon	26.75" x 25.5"	42.25"

D. Locating & Accessing Refuse Containers:

1. Refuse containers must be located adjacent to service/loading docks and as close as possible to loading dock entry doors for safe and convenient access by building services personnel.
2. Adequate lighting is essential since most access to containers is during nighttime hours.
3. Where possible, containers should be screened from view and have adequate lighting for security. Any screen walls surrounding containers must be semi-transparent.
4. Covered access to the containers is desirable for transporting refuse to containers in inclement weather.
5. A minimum of three feet clearance (use zone) is required around all sides of the refuse container.

6. Vehicular-grade concrete pads are required under all refuse containers (asphalt, compacted stone/gravel are not acceptable surfaces).
7. The quantity of refuse containers required at each building depends on the refuse output of the departments housed in each building. If more than one 4 or 6 cubic yard container is required, then containers must be situated side by side.
8. Containers must be oriented appropriately for a refuse truck to approach the container squarely and in reverse. This means adequate drive space must be available for the truck to pull forward and back-up to the container.
9. Curbs or walls are required around storage areas for 1.0, 1.5, and 2.0 cubic yard containers to prevent accidental rolling.
10. A concrete apron must extend beyond the pad so containers can be rolled to the proper position for pick-up at the back of the refuse truck. Asphalt, compacted stone/gravel are not acceptable surfaces for this purpose.

E. Refuse Truck Considerations:

1. Minimum inside turning radius for the refuse truck is 35 feet; minimum outside radius is 40 feet.
2. Maximum ground clearance of the refuse truck is 10.5 inches. (Paths to and from the container must not have dips or humps that will impede access or cause the truck to scrape the grade.)
3. Overall truck length is 30 feet -10.5 inches.
4. Overall truck width is 8 feet -7.5 inches.
5. Overall truck height is 12 feet -3 inches; however, minimum overhead clearance required for the container to be lifted and emptied is 14 feet.

F. Locating and Accessing Building Recycling Carts:

1. Recycling carts must be located on or adjacent to service/loading docks and as close as possible to loading dock entry doors for safe and convenient access by building services personnel.
2. All recycling carts are wheeled for easy maneuvering.
3. Typically, a minimum of four recycling carts is required at each building. Actual quantity depends on the paper output of the departments housed in each building.
4. Covered access to the carts from the door is desirable.
5. All recycling carts must be positioned so that they can be secured to a wall with brackets. If no wall is available for mounting, then a "T-post" must be installed to secure the freestanding carts.

G. Cardboard Recycling Areas:

1. Cardboard recycling requires a separate storage area that is enclosed to prevent large pieces of cardboard from becoming airborne on windy days. Minimum size for the enclosure is 30" tall x 48" wide x 36" long.

H. Mail and Parcel Delivery:

1. To facilitate parcel deliveries there should be either a standard height dock or a dock lift. The width of the dock (or area around the dock lift) must be of sufficient depth to safely off load skids.

Most parcel skids are 4 feet by 4 feet plus a pallet jack (which adds approx. 2 feet) and space for the operator.