

DC Waste & Recycling, Inc.

Refuse Container Enclosure Design

Requirements and Recommendations

Purpose: Provide adequate waste container information, to the Customer and their design firm, to ensure the proper construction of the most accommodating, safe and compliant container enclosure with longevity and cost in mind.

1. *Container Specifications:*

- 2 yard container – width (77.5 inches), tall (48 inches), depth/length (43 inches)
- 4 yard container - width (77.5 inches), tall (48 inches), depth/length (90 inches)
- 6 yard container - width (77.5 inches), tall (48 inches), depth/length (124 inches)
- 8 yard container – width (77.5 inches), tall (48 inches), depth/length (154.5 inches)

2. *Gate/Gate Opening:*

- 10 foot minimum width (77.5 inches for container trunion plus 21 inches on each side for employee/safety clearance)
- Not all containers have wheels, so the gate must be this wide to accommodate the truck backing through the enclosure.
- Clearances/Wheels – A minimum of 3 inches clearance from the ground to ensure proper function during snow events and to allow for ground shifts. Wheels and adjustable hinges are suggested.
- Door Stops – All doors should have door stops for safe operation in windy conditions.

3. *Length/Depth of Enclosure (minimums):*

- 2 yard – 91 inches
- 4 yard – 138 inches
- 6 yard – 172 inches
- 8 yard – 202.50 inches
- Note: This allows sufficient space for the container to be accessed from all angles.

4. *Height of Enclosure:*

- 6 foot minimum is suggested. Consult your local ordinances for clarification.

5. *Building Materials:*

- Steel frame construction (posts and framing) is recommended due to the longevity of the materials. Wood is discouraged due to the material rotting and warping. Masonry is discouraged to the costs and the difficulty of repair.
- Ballard posts are encouraged when space allows.

6. Pavement needs:

- Concrete is recommended due to the weight of the containers and the vehicles. 6 inch thickness is encouraged. A 10 foot minimum concrete pad should be constructed in front of the enclosure. Any other material is sure to give way and costly repairs will occur.
- Container Guides – if desired, container guides should be installed to ensure the exact placement of the container.

7. Truck Access:

- A minimum of 50 feet of unobstructed access is required in front of the enclosure taking into account the required angles to enter the enclosure.
- ****Flow of Traffic**** - All enclosures should be positioned to ensure the waste collection vehicle will enter the property and access the enclosure in the proper flow of traffic.
- ****Blockage/Parking****-All enclosures and parking shall be positioned to avoid any blockage of the enclosure. Parking lines should not be painted within the 50 foot approach zone of the enclosure. In most cases, the customer may be subject to no service or a fee if the container is blocked.

8. Employee Access:

- Always leave sufficient space for employees to walk around the container. Our specifications allow for approximately 24 inches of access around the entire container.
- Side Door access – A side walk door is highly recommended to avoid employees having to use the front larger door for access. Verify the width of any waste carts that may be used for waste transport when constructing this access point.

9. Utilities:

- Water is recommended so that the enclosure may be easily cleaned.
- Drain location is important for cleaning or runoff.
- Electricity – a 100 amp minimum service is encouraged for cleaning, lighting, and potential future waste compactor needs if applicable.

10. Other Services/Multiple Containers:

- Grease Containers – even though most grease containers are now wanded, space is required.
- Multiple Containers – recycling and yard waste containers must be accommodated to ensure that Customer stays in compliance with ordinances.