



Commercial Trash and Recycling Guidelines (21 Rb)

Front Load & Roll Off Enclosure Basics

- **Approaches must meet at least one of the following requirements. There must be a minimum of 85 feet of straight, unobstructed approach (truck length + approach clearance) in front of each container for Front Load/ASL service and a minimum of 100 feet unobstructed approach (truck length + service clearance) for Roll-Off container service. If the approach lengths above are not met, then the approach can be designed in accordance with the details in this document (SD-STA01 – STA019).** Approach must be straight and not encumbered by parking spaces, storage areas of any kind, sequential sharp turns, nor approach against the normal flow of traffic.
- **Customer warrants that any right-of-way provided for servicing equipment is free from all obstructions that may interfere with servicing the container,** including sufficient vehicle/driver access clearance areas and unobstructed visibility. Note: City franchise hauler is not responsible for damage to ceilings, roofs, wires, or other obstructions with insufficient clearances. Overhead ceilings, roofs, wires, or other obstructions must be a minimum of 14 feet above ground/service level at the lowest point on approach, and 25 feet of unobstructed clearance above the service location. (Some configurations may require additional clearance space).
- All enclosure hardware (including access gates/doors) must be of sufficient design and strength to accommodate repetitive use. **Enclosure gates require three or more heavy duty hinges** to adequately support the weight of the solid metal gates over the lifetime of the enclosure and individuals wearing gloves must be able to open them. **Cane bolts shall be a minimum of one-half-inch (½”) inch in diameter and the sleeves double the size of the bolt to allow maneuverability. Bolts shall drop into the ground a minimum of 4 (four) inches.** Regular inspections and maintenance should be performed to ensure proper operation and to prevent hardware failure.
- **Customer warrants that the container service area and all right-of-ways for servicing equipment, is sufficient to bear the weight of all equipment/vehicles required to perform the designated services.** (Commercial Vehicle front axle weight is 20,000 lbs. with a 34,000 tandem axle weight for a total weight of 54,000 pounds.) All container service areas must be on flat level surfaces.
- **For safety reasons, all enclosures/containers must be located to minimize backing the service vehicle.** Backing large vehicles in spaces that have the potential to allow obstacles, pedestrians, cross traffic, etc. to move behind the service trucks pose safety hazards and must be minimized.

- Enclosures that require a “chute” approach for service vehicles must add two feet of heavy-duty concrete to the drive space on both sides of the enclosure approach to increase mobility for service vehicles as they leave the enclosure.
- Customer warrants that any right-of-way provided for servicing equipment is of sufficient width (minimum 12’ width with sufficient swept path clearances to negotiate turns, entrances/exits, etc.) and length to provide access for all equipment, vehicles and personnel required to perform the designated services. Commercial vehicle Front Load truck length is 35.5 feet with a 210-inch wheelbase, with a turning radius of 39 feet. Front load trucks with the service forks in the pick-up position are 42’ in length; Roll Off trucks have a 278-inch wheelbase with a turning radius of 42 feet.
- All trash/recycle items must fit inside the container with the lid closed. City franchised hauler is not responsible for damage or litter caused by (or from) items left outside or on top of the container, damage caused from servicing overloaded/overweight containers, nor from inappropriate materials being disposed of in the container. Customers are responsible for citations/fines resulting from service provided to and/or transporting overloaded/overweight containers.
- Landscaping/vegetation must be planted with consideration for future growth potential. This includes trees that may mature with an overhanging canopy, as well as landscaping that may be planted in curbed areas where gates swing over landscaped space to open the required 120 degrees.
- City franchise hauler is not responsible for damage caused to automatic vehicular gates if they close against the service vehicle during entry/exit. Property access barriers, including automatic vehicular gates/arms, should be equipped with a reversing Inherent Entrapment Sensing System (ground loop, magnetic, eye sensor, or other) installed, capable of detecting vehicles in both opening and closing cycles to prevent gate closure on entrapped vehicles. Due to increased risk of entrapped vehicles, vehicular gates with split entry/exit sides that swing in opposite directions from each other are not allowed where service vehicles operate. Gates/arms must have sufficient time allowed for slow-moving vehicle entrance/exit. (Recommended minimum duration of 15 seconds). Proper access codes or remote activation device must be provided for service access.

Enclosure Details and Dimensions

- **Front Load/VIP Enclosures must contain a minimum of 10 feet x 10 feet inside dimensions** (*two containers in a shared enclosure must be a minimum of 20 feet wide*) to provide reasonable safe clearance for servicing. **Access doors/gates must be mounted to provide a minimum 10 feet wide unobstructed opening** for each service container in an enclosure, have a **120-degree swing opening radius**, and must be **securable in both the open and closed positions**. Enclosure walls must be eight feet in height. Gates must be 7 to 8 feet in height. Seven feet gate height is intended to allow gates to be able to swing over curbs where needed. Enclosures with walls higher than eight feet must have gates that match the height of the walls.
- **Bollards must be installed 18 inches from the back wall** to prevent containers from being able to come into contact with the back wall of the enclosure (see

SAMPLE Enclosure diagram(s). Bollards must be concrete-filled standard steel pipe of 6 to 8 inches in diameter.

- Roll-Off Enclosures must provide a minimum of 2 feet clearance on each side and 2 feet clearance in the front and rear of the container. Roll-Offs next to a building/wall must allow a minimum of three (3) feet of clearance on the wall side. Roll-Off access gates/doors must be a minimum of 12 feet wide with a 120-degree swing opening and be capable of being secured in both the open and closed positions. (Roll-Off Non-RC = 12' Wide x 27' Deep, RC units = 13' Wide x 37' Deep). If the Roll-Off dumpster is located within a covered structure then access / roll-up doors for the enclosure must be a 14' minimum height.
- Any commercial food service property consisting of more than one restaurant shall utilize a compactor. Sharing of conventional front load dumpster will not be allowed at this type of commercial properties. In addition, a cardboard recycling container is strongly recommended due to the large amount of cardboard waste generated at these establishments.
- Additional equipment, containers, or other items stored inside the FL enclosure must be kept a minimum of 2 feet away from each side, and 3 feet away from the rear of the dumpster container. Stored items must be physically separated from the 10' x 10' required container space by a barrier such as bollards or wall. Customers with enclosures that will be housing other non-trash/recycle service containers [FOG (Fats, Oils, Grease) containers, pallet storage, etc.] must provide additional space to accommodate separation of the regular trash/recycle container and any other container or stored item(s).
- **ADA** compliant enclosures may utilize the rear area of the enclosure where storage or extra space is normally located to allow for ADA access to both dumpsters within the enclosure. Additional bollards may be required to protect the access space.
- All containers without enclosures must have a 3-foot obstruction-free clearance zone surrounding the service area. This includes vehicles, poles, buildings, and any other obstructions. Containers located behind overhead/roll up doors are subject to the same minimum clearance requirements as containers inside enclosures.
- All drains located inside an enclosure must have prior approval from the City. Drains must be connected to the Sanitary Sewer System through a grease trap. Water connections in or adjacent to the enclosure will only be allowed if the enclosure is plumbed to the sanitary sewer through a grease trap. Trash enclosures with drains must be designed by elevation difference to NOT allow ANY rainfall that falls outside the enclosure to enter the sanitary sewer drains. Furthermore, a monthly add-on sewer fee to treat rainfall that enters this drain will be annotated on the businesses' monthly water and sewer billing at the fee set in the current Water and Sewer Rate Resolution.
- All enclosure walls must be 8-foot minimum height and uncovered (open to the sky). Information: Screening of mechanical equipment and refuge collection areas shall be in accordance with the City of Allen Land Development Code (ALDC) Section 7.03.3.

- Building developer must assure that all additional enclosure dimensions and construction materials meet City of Allen current ordinances and amendments. Please see ordinance 3693-8-19 for all the City of Allen's current amendments to the 2018 ICC and 2017 NFPA Codes.

Special Container Information

- Containers on casters may not exceed 4 yards in size and must be limited to a required maneuverable distance of less than 50 feet. A smooth, flat, paved, and level surface must be provided for all pathways the container must be maneuvered and will be expected to travel.
- Custom installed containers (container on docks, stands, casters, railing, etc.) or other non-standard enclosures/container service areas (containers located inside buildings or under roof, etc.) must provide safe access to and from the service area and safe clearance around the container in all directions. *Custom installed containers may require additional clearances.* Pre-construction review or site inspection is recommended.

Guidelines for commercial cart service

- Residential carts may be utilized for commercial businesses when the nature of the business is such as to create minimal trash. Carts are not allowed where food waste is part of the waste stream. Carts are not allowed for multi-family housing.
- There shall be a sufficient number of carts to hold all refuse that accumulates. Cart use for one building may not exceed four trash and four recycling carts. Service for residential cart use at business establishments is limited to once weekly collection based on the schedule for the surrounding residential community.
- Service areas must be designated for cart collection and comply with established residential requirements for approach and set out. Residential requirements are found in the City of Allen Code of Ordinances, Chapter 6 Health and Environment, Article III. Solid Waste, Sec. 6-56. Use of Polycart Receptacles.
- Service areas for collection set-out must consist of a concrete pad, constructed in such a manner as to allow two feet of clearance around each cart when set out for service; the pad shall not be part of or interfere with motor and foot traffic areas, including parking lots, roadways, alleyways or sidewalks. Cart service pads may not be set above or be adjacent to storm drains.
- Carts must be stored inside the building between service days or outside behind approved screening walls. Approved screening walls shall be of masonry construction, no less than four feet in height; constructed so as to match the building and shall screen carts from public view.

Commercial Recycling Information

- Multi-Family Complexes are mandated to recycle by City Code of Ordinances, Chapter 6, Health and Environment, Article III. Solid Waste, Section 6-61. For every 150 housing units, there must be an 8-yard front load recycling container provided. Recycling containers must be within fifty (50) feet of a trash container/receptacle and provide for an accessible path of travel from the building to the enclosure as well as be accessible to those dropping off from vehicles. The path of travel by foot shall not be behind parked cars.
- Multi-Family Complexes must provide space or a date for residents to set out oversized items (bulk) such as furniture and mattresses discarded by residents. Area for set out must be accessible to rear load trash trucks with approach in compliance with Commercial Guidelines. Management/Owner is responsible for scheduling removal.
- Front Load recycling containers are required to be placed within an enclosure at commercial locations. Recycling containers require the same enclosure space and approach distance as a trash container. Reference Allen Land Development Code (ALDC) – Article VII - Zoning Development Standards. Sec. 7.03.3 as well as Enclosure Details and Dimensions on this document.

Enclosure Details

- See ALDC Section 6.05.3 for all City Enclosure(s) Standard Details.

For additional information, City of Allen Waste Services at 214.509.4551 or CWD Safety Department at 972.392.9300 X 3320.