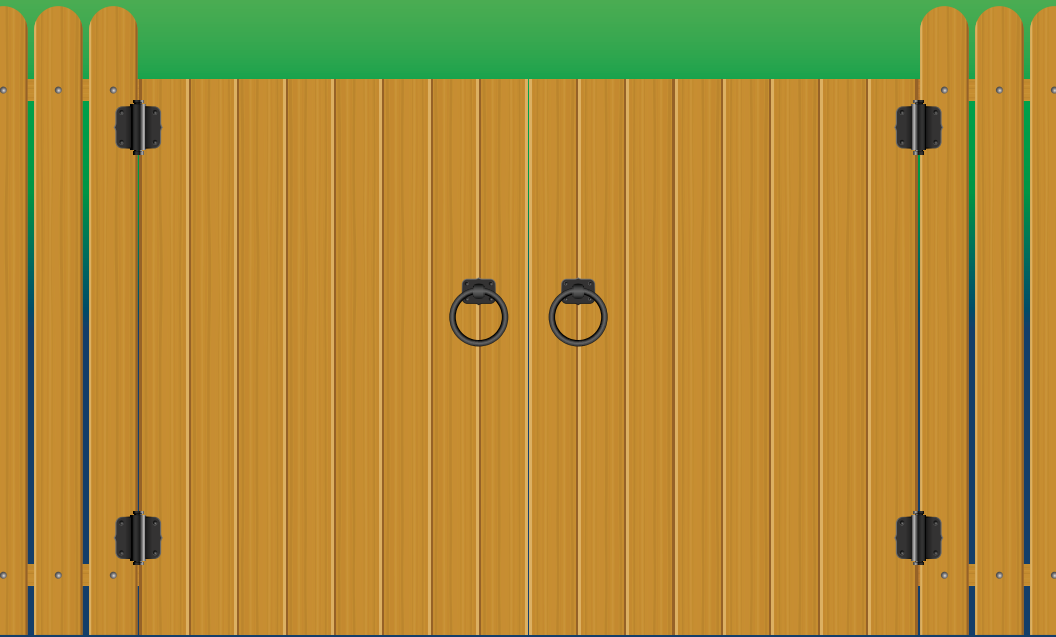




SOLID WASTE

ENCLOSURES GUIDE & DESIGN CONSIDERATIONS



For Businesses in Sarasota County

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INTRODUCTION AND OVERVIEW

Sarasota County Ordinance No. 2019-269 requires all new commercial construction to have an enclosure for garbage and recycling containers, including trash compactors, unless there is a permanent storage area for the containers inside a walled and roofed building. This ordinance applies to all commercial buildings constructed after December 7, 1993 (the date the originating Ordinance No. 93-102 was adopted). Sarasota County businesses are required to use the county's franchised hauler for garbage service but may select their own recycling* hauler.

This document was designed to provide business owners, architects and builders with a basic overview of the design requirements and specifications for commercial enclosures to allow for efficient and safe collection of trash and recycling containers. The recommendations included in this guide will help you plan your enclosures to satisfy local permitting and building requirements.

The full specifications for enclosure construction are detailed in:

Sarasota County Solid Waste and Recyclable Materials Collection Ordinance

Section 106-47(h), Commercial Customers utilizing Commercial Container Collection

Unified Development Code (UDC)

Section 124-231 (17), Subdivision Plan or Site Development Plan Requirements

Section 124-123 Buffering and Screening of Service Function Areas

Don't see the information you are looking for in this guide?

More information is available at scgov.net or by calling the Sarasota County Contact Center at 941-861-5000.

**Sarasota County Ordinance 2019-269 requires businesses in Sarasota County to recycle cans, cartons, glass, paper and plastics.*

CONTACT INFORMATION

Sarasota County

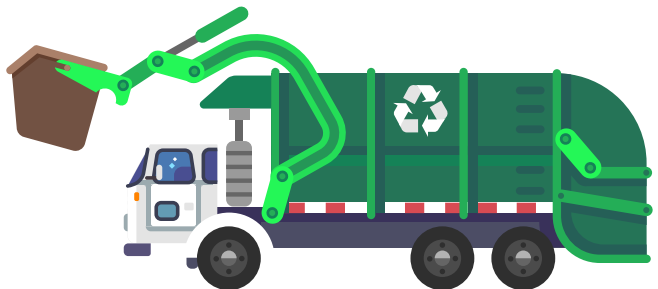
941-861-5000

scgov.net

Waste Management

941-493-4100

wm.com



DESIGN OBJECTIVES

Enclosures must be built large enough to accommodate both the garbage and recycling needs for the business. In addition, enclosures should be able to accommodate the size and weight of the collection weight of the collection vehicles (see below) and be positioned properly to provide easy and safe access.

DESIGN REQUIREMENTS

Although the ordinance requires enclosures to have a **minimum internal dimension of 12 feet by 12 feet** for a single container, **enclosures must be built of adequate size to contain all garbage and recycling containers**. *Sample layout diagrams can be found on pages 7-10.*

- If bollards are placed inside of the enclosure, **the minimum 12 foot clearance requirement must be measured between the bollards**, and not the wall of the enclosure. This may result in a larger footprint for the enclosure.

Enclosures must be constructed of **similar building material as the principal structure** and multiple enclosures may be constructed as an alternative to one large enclosure.

If an enclosure will be housing multiple containers, best management practices recommend to allow for a **minimum of 2 feet of clearance on all sides of the container and between the containers**. The larger structure dimensions makes it easier for collection vehicles to service the dumpsters without striking the structure or other objects.

- Larger sized enclosures may require a center wall or pole to keep the gates latched during non-use. The center wall or pole should not block the access to the enclosed dumpster(s).

Enclosures must have a minimum wall height of 8 feet. Material contained in the structure may not protrude above the top of the walls.

Solid waste containers shall be **placed on a paved, level surface**; preferably a concrete pad 6 inches thick and all approaches to container shall be **capable of supporting the weight of a collection vehicle**.

- Most commercial dumpsters are serviced by front-end loader collection vehicles. An empty truck weighs approximately 18 tons (36,000 lbs.) and a full truck can weigh up to approximately 33 tons (66,000 lbs).

The location should allow for an **unobstructed gate opening with a minimum of 12 feet** (or as wide as the long side of the enclosure).

- Gates must open outward and be able to be secured in the open position.
- If bollards are placed outside of the enclosure, they should be situated to allow gates to open up fully. They can not limit the required size of the gate opening.
- Larger sized enclosures may require a center wall or pole to keep the gates latched during non-use. The center wall or pole should not block the access to the enclosed dumpster(s) and should be taken into account when calculating the size of the enclosure and gates to meet building requirements for unobstructed gate openings.

Site accessibility shall accommodate collection vehicle turning radius requirements (must be demonstrated in development application). This allows adequate space for trucks to back up, turn or otherwise maneuver to service containers.

- Most commercial dumpsters are serviced by front-end loader (FEL) collection vehicles. The average FEL collection vehicle measures 33' long, 13'6" high and 9'4" wide.

Front end loader (FEL) measurements for use in creating turning template

Overall vehicle length (ft)	32' 11"
Overall vehicle length with forks extended/rear open (ft)	48' 5"
Overall vehicle width	8'
Overall vehicle height from ground (ft)	13'3"
Steering	Front
Lock to lock time (sec)	4
Steering lock angle (deg)	35-45°
Wheel base	19' 1"
Front axle (#)	1
Front axle wheels (each axle)	2
Front axle track width	99'5"
Rear axles (#)	2
Rear axle wheels (each axle)	2 (super singles)
Rear axle track width	91"

SPACE ALLOCATION

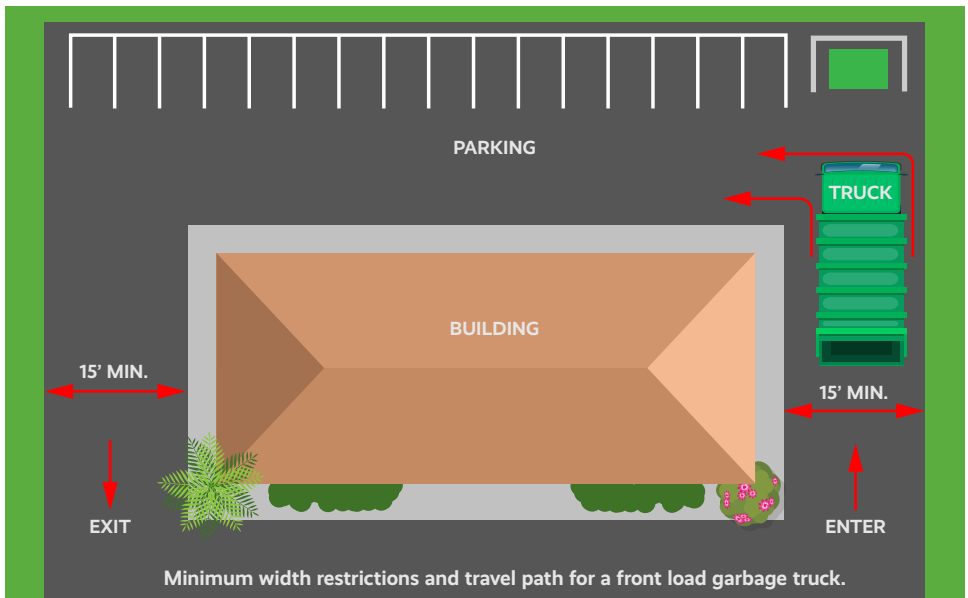
The type of business(es) occupying the facility and the potential garbage and recycling generation rates will influence the size and number of enclosures needed to adequately accommodate the necessary containers. Garbage and recycling haulers can assist businesses with estimating service requirements and determining the appropriate-sized enclosure(s) required and optimal location(s).

LOCATION AND ACCESSIBILITY

Enclosures must be positioned to allow collection vehicles access at all times. Garbage and recycling containers will not be collected or serviced if the enclosure is blocked or otherwise inaccessible to the hauler. Special pick-ups to collect material that was not picked up on the regular service day due to blocked access can usually be arranged for an additional fee.

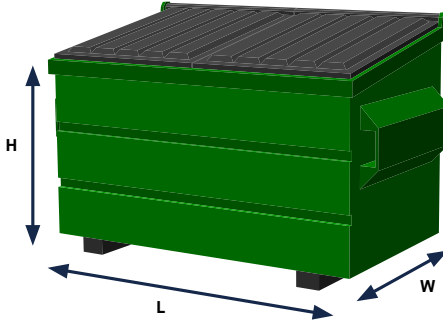
Enclosures must be within the perimeter of privately owned property. Public easements and right-of-way may not be used as a container location without prior written county approval.

Place the enclosure so that the approach will not be blocked by parked cars or drive-thru lanes. The approach should also be free from fuel tanks, fuel fill ports, septic systems, overhead wires, low hanging branches, and tree limbs.



CONTAINER DIMENSIONS

Dimension	8-yard	6-yard	4-yard	2-yard	96-gal cart
L	7'	7'	7'	7'	2'6"
W	7'	6'	4'6"	3'8"	3'
H	6'	5'8"	5'8"	4'	3'8"



SCREENING

All containers must be screened on at least three sides so that they are not visible from the street on which they are situated or from adjacent residentially zoned properties. Enclosures must be constructed of similar building material as the principal structure.

SIGNAGE

"No Parking" signage must be posted on the gate. The signage shall not exceed 2 square feet in total area with lettering not less than 3 inches high and ¾ inches wide. The sign must be in a contrasting color to the color of the enclosure. Enclosures must be constructed of similar building material as the principal structure.

MAINTENANCE







The property owner is responsible for securing adequately sized containers for garbage and recycling disposal and for maintaining, cleaning and repairing the enclosure(s) when necessary.

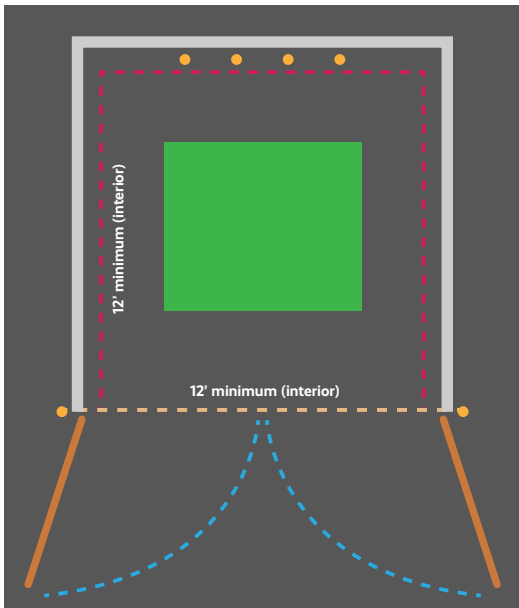
VARIANCES

Ordinance 2019-269 applies to all commercial buildings constructed after Dec. 7, 1993 (the date the originating Ordinance No. 93-102 was adopted).

LAYOUT SUGGESTIONS/ILLUSTRATIONS/SPECS

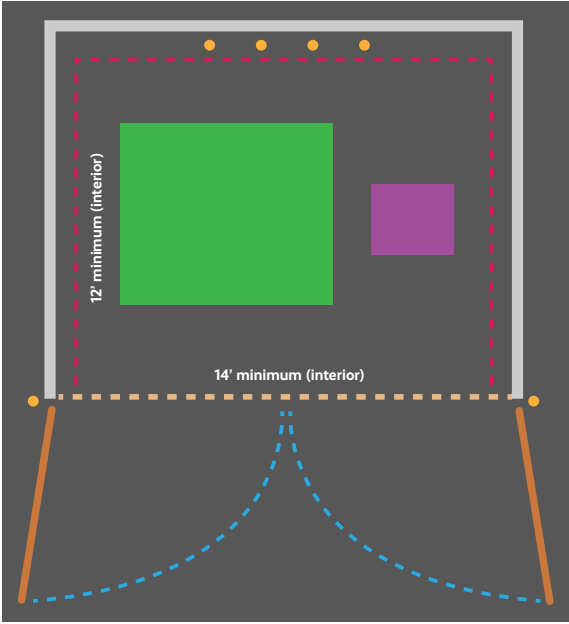
The following diagrams show different combinations of dumpsters and carts that fit into common size enclosures. Additional combinations can be created as long as the enclosure meets the minimum internal requirements of 12 feet wide x 12 feet long, provides a two-foot clearance on either side of dumpster placement and access to dumpsters is not reduced or blocked by bollard placement, center walls or poles used to keep gates secure.

	Common placements for bollards. Bollards are not required, however, when incorporating into design, they must be placed outside of the minimum space requirements to allow full access to enclosures by collection vehicles.
	Enclosure walls
	Minimum clearance space inside enclosure
	Doors to enclosure shown in open position. Must remain securely closed at all times other than when dumpster(s) and/or carts are being emptied.
	Enclosure doors in closed position
	Door open/close pathway



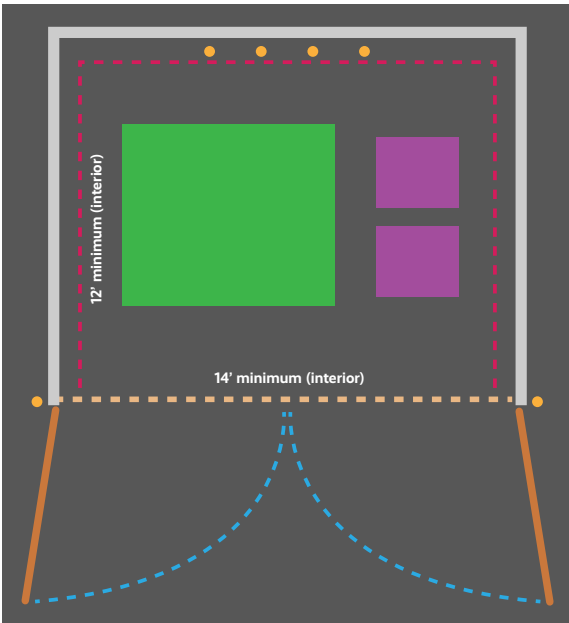
Sample 12' x 12' enclosure

ACCOMMODATES: One dumpster of any size (2, 4, 6 or 8 yard) used for garbage or recycling. Note, this setup does not accommodate an additional container or cart for recycling.



Sample 14' x 12' enclosure (option 1)

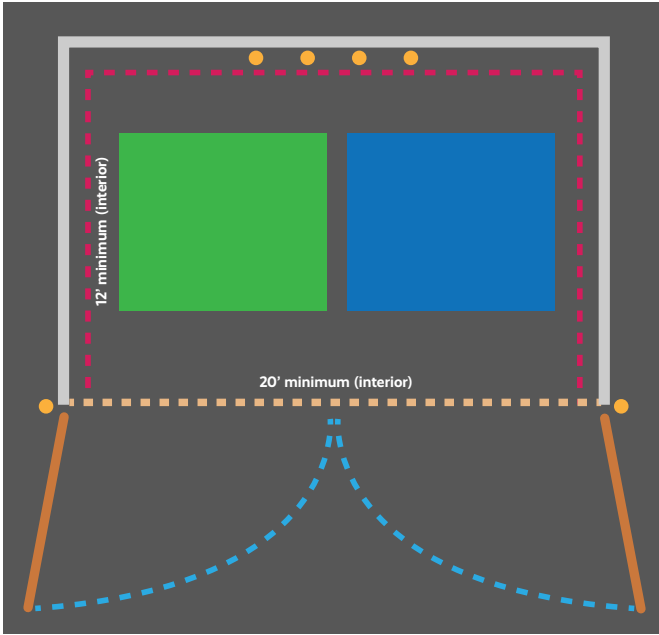
ACCOMMODATES: One dumpster of any size (2, 4, 6 or 8 yard) used for garbage or recycling and one 96-gallon cart used for garbage or recycling.



Sample 14' x 12' enclosure (option 2)

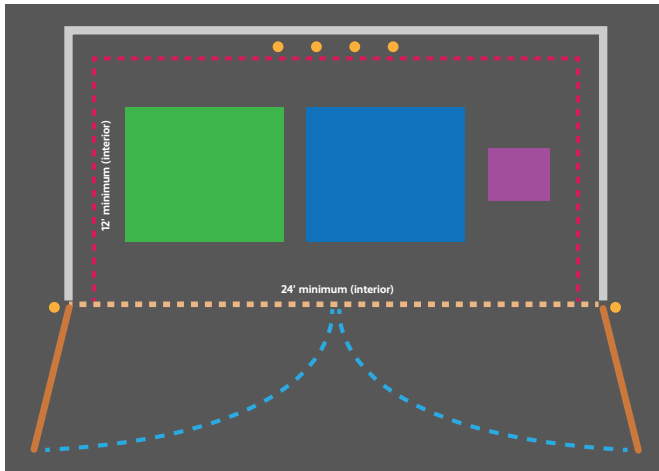
ACCOMMODATES: One dumpster of any size (2, 4, 6 or 8 yard) used for garbage or recycling and two 96-gallon carts.

96-gallon carts can be stacked behind each other as long as they allow for truck access to the dumpster with a buffer space.



Sample 20'x 12' enclosure

ACCOMMODATES: Two dumpsters of any size (2, 4, 6 or 8 yard) used for garbage or recycling.

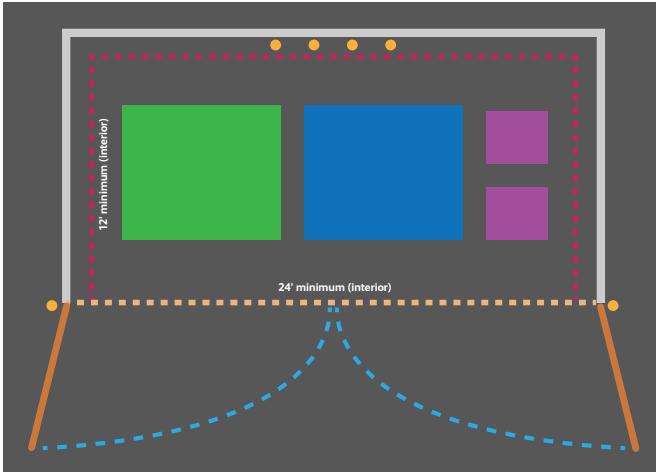


Sample 24' x 12' enclosure (option 1)

ACCOMMODATES: Two dumpsters of any size (2, 4, 6 or 8 yard) used for garbage or recycling and one 96-gallon cart used for garbage or recycling. Could include garbage dumpster, cardboard dumpster and recycling cart.

REMINDER ABOUT LARGER SIZED ENCLOSURES

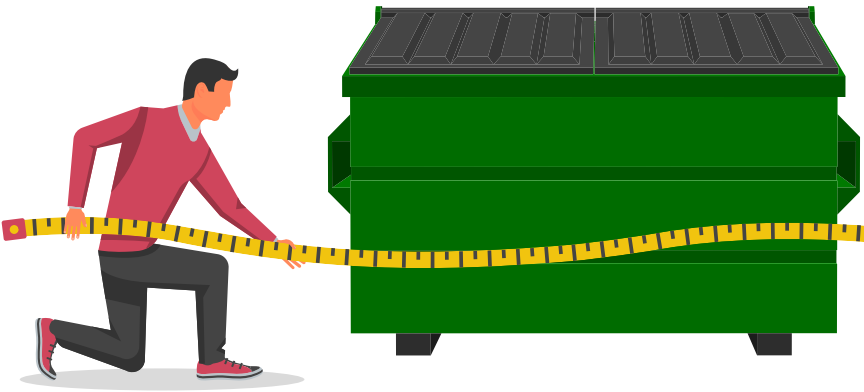
Center walls or posts may need to be constructed to keep gates latched during non-use. The center wall or poles should not block the access to the enclosed dumpster(s). This should be considered when calculating the size of the enclosure and gates to meet building requirements for unobstructed gate openings.



Sample 24' x 12' enclosure (option 2)
 ACCOMMODATES:
 Two dumpsters (8 yard)
 used for garbage and/
 or cardboard and two
 96-gallon carts.

96-gallon carts can be stacked behind each other as long as they allow for truck access to the dumpster with a buffer space.

CAPACITY ESTIMATOR



Actual capacity needs will vary by industry. Staff from Sarasota County and/or the hauler will be able to assist your business with estimated quantities and required containers for proper disposal.



Solid Waste
8750 Bee Ridge Road
Sarasota, FL 34241

