

This document provides trash, recycling, and organic space guidelines for use in designing commercial and multi-family developments.

**REGULATIONS**

City Code requires that all trash, recycling, and organics to be removed at least once a week or more often as necessary through the city’s exclusive hauler, CR&R Environmental Services (877) 482.5656.

California Public Resources Code Section 42911(c) requires adequate space for collecting and loading recyclable materials in all developments.

AB 341 requires California commercial businesses and public entities that generate four or more cubic yards per week of waste and multi-family housing complexes with five or more units, to adopt recycling practices. AB 341 is designed to reduce greenhouse gas emissions by diverting waste from landfills and to reach California’s recycling goal of 75%.



**SERVICE & SPACE GUIDELINES**

Commercial and industrial properties use separate bins for trash, organics, and mixed recycling. Multi-family residential properties (5 or more units) generally share bin(s).



**SPACE ALLOCATION**

**Table A** shows the minimum space required for trash, recycling and organic containers. However, the actual bin size used by the building occupant may be different. Bin sizes vary.

**Table B** provides the minimum bin sizes, dimensions and interior clearances needed for collector and user access. Bin layouts are attached.

**TRUCK ACCESS**

**Table C** has truck access requirements followed by turning templates. It is important to consider truck access and turning radius early on in the planning process for best results.

**TABLE A: MINIMUM SPACE FOR CONTAINERS**

Multi-family Residential (2 or more units sharing 1 bin)	5+ Units	Space for two 3-yard bins (Trash and Recycle) and organic cart or bin
		Space for one additional 3-yard bin
Office/Commercial	First 20,000 sf	Space for two 3-yard bins (Trash and Recycle) and organic cart or bin
	Each Additional 20,000 sf	Space for one additional 3-yard bin
Retail* (Including food stores/fast food)	First 8,000 sf	Space for two 3-yard bins (Trash and Recycle) and organic cart or bin
	Each Additional 8,000 sf	Space for one additional 3-yard bin
Restaurants	First 1,500 sf	Space for two 3-yard bins (Trash and Recycle) and organic cart or bin
	Each Additional 1,500 sf	Space for one additional 3-yard bin
Industrial*	First 20,000 sf	Space for two 3-yard bins (Trash and Recycle) and organic cart or bin
	Each Additional 10,000 sf	Space for one additional 3-yard bin
Institutional (Schools, daycare, churches, hospitals)	Trash, recycling, and organics needs will depend on use	
Commercial and Multi-Family Properties	All developments must provide space for trash, recycling, and organics.	

\* Trash compactor should be considered for large developments (over 50,000 sf)

**TABLE B: BINS & CLEARANCES**

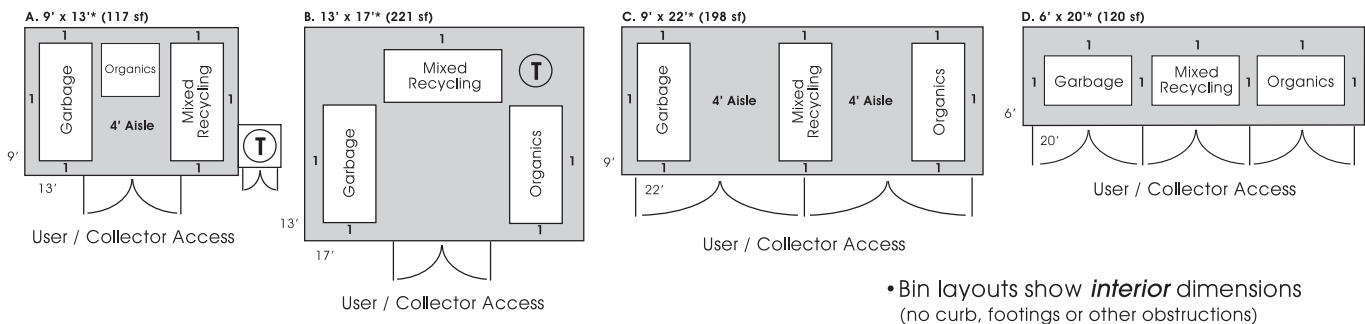
Bin Size	Approximate Dimensions	Minimum Interior Clearances*
3-yard	6'9" W x 4'1" D x 5'1" H	1' between bin and enclosure walls 4' user aisle between bins
4-yard	6'9" W x 4'10" D x 5'2" H	
Carts (65 & 90-gallon)	2'7" W x 3' D x 3'10" H	1' between each cart and enclosure walls

**TABLE C: TRUCK ACCESS**

Inside turning radius: 29'	Travelway vertical clearance: 15' (h) Travelway minimum width: 12'
Outside turning radius: 41'	
For safety reasons, a truck turnaround is required for any street, driveway or travelway if the collection truck has to back up more than 25 feet.	

**EXAMPLES OF BIN LAYOUTS\***

- Layouts shown for typical 3-yard trash and 3-yard recycling bins. Dimensions are approximate.
- Provide 1-foot *interior* clearance between bins and other obstructions (walls, curbs, equipment, trees)\*.
- Provide 4-foot aisle access to front of bin (6'9" width).
- Provide 9-foot vertical clearance to open lids (from ground to top of lid).
- Provide gate with stand-alone posts and offset hinges wide enough to easily remove bin for collection (1-foot clearance around bin).
- Provide paved, level surface inside trash area through gate to collection point (travelway).
- Tallow: add space for drum at rear of enclosure with rear access (see B); or provide separate enclosure (see A).
- Bin layouts show *interior* dimensions.
- Provide an 8" x 8" curb around inside perimeter of enclosure for wall protection.



Multi-family: 5 units or greater = served with commercial bin and must provide trash, recycling, and organic services.

Less than 5 units = cart service with one set per unit, customers separate waste/recyclables.

Enclosure space equal to 1 bin for every 10 dwelling units.

Bins must be accessible to the forks of the truck within 25 feet or added charges for roll out service.

21 ft minimum height clearance to provide standard commercial service.

If bins are not accessible for standard commercial service a 2nd smaller vehicle may be required at an additional cost.

The special stinger vehicle must have an 8ft minimum height clearance.

Maximum grade 2%.

New construction requiring waste service: A set of plans must be sent to CR&R for review.

Helpful Conversion table for various containers:

1 gallon.....0.134 cu. ft. 27 cu. ft.....1.00 cu. yd. 1 cu. yd.....203 gallons.

One cubic yard is approximately six (6) 35-gallon carts. One cubic yard is approximately three (3) 65-gallon carts.

One cubic yard is approximately two (2) 95-gallon carts.

To find container capacity in cubic yards, measure Length x Width x Height in inches and divide by 46,656.

This will give you the approximate volume in cubic yards.