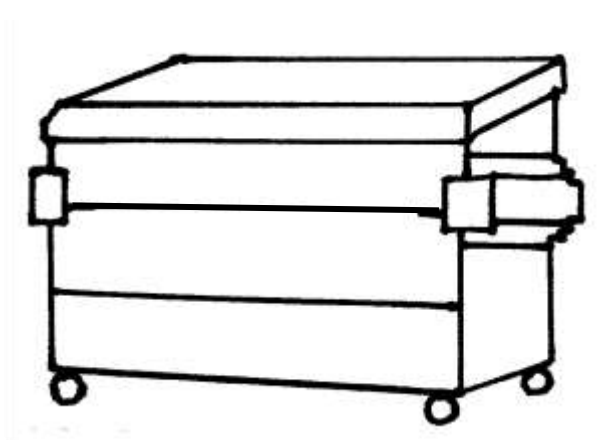


TRASH & RECYCLING

Space Guidelines



Commercial Industrial Multi-Family

City of Mountain View ▪ Public Works Department

Revisions:

November 2014 to add compost option and revise truck width for residential streets.

January 2018 to update MFD cart picture and description.

July 2019 to update MFD using recycle bin requirements.

July 2019 to update re tallow and compost requirements.

Aug 2020 update turn radius and clearances.



This handout provides trash, recycling and compost space guidelines for use in designing commercial, industrial and multi-family developments.

In addition to these standards, professional discretion and review by the City is required and further adjustments may be made.

Contact the Community Development Department (650-903-6306) for information about enclosure design requirements (i.e. color and materials).

REGULATIONS

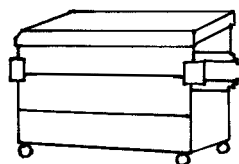
Mountain View City Code Section 16 et. seq. requires all trash, recycling and compost to be removed at least once a week or more often as necessary through the City's exclusive hauler, Recology Mountain View (650-967-3034).

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

California Public Resources Code Section 40059.1 requires diversion of at least 50 percent of wastes from the landfill, so space for trash and recycling should be the same.

SERVICE & SPACE GUIDELINES

- Commercial and industrial properties use separate **bins** for garbage, mixed recycling, cardboard and compost.



- Multi-family residential properties (5 or more units) share garbage bins and recycling **carts** (one for mixed paper and one for mixed containers).



SPACE ALLOCATION

Table A shows the minimum space required for garbage and recycling containers.

However, the actual bin size used by the building occupant may be different. Bin sizes vary by 6" in depth as shown at right.



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 minimum truck access requirements and turning template. Minimum travelway 12 feet for bins; 15 feet for carts. Although other departments may have lesser requirements, collection vehicles service properties weekly or more frequently and often under full load. Collection vehicles are larger and heavier than other vehicles, including fire trucks.

TABLE A: MINIMUM SPACE FOR CONTAINERS

Land Use	Development Size	Minimum Space Required For Garbage and Recycling Containers
Multi-family Residential (5 or more units sharing one bin)	Each 15 Units	Space for one 3-yard bin and three recycling carts
Office/Commercial*	First 20,000 sf	Space for two 3-yard bins
	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
	Each additional 8,000 ft	Space for one additional 3-yard bin. Over 50,000 sf, consider trash compactor.
Restaurants	First 1,500 sf	Space for two 3-yard bins
	Each additional 1,500 sf	Space for one additional 3-yard bin
Restaurant Tallow	Any	Fire Dept. requires minimum every other week tallow service. Because enclosures are for trash, choose a smaller tallow size to be serviced every two weeks.
Industrial*	First 20,000 sf	Space for two 3-yard bins
	Each additional 10,000 sf	Space for one additional 3-yard bin
Institutional (Schools, daycare, churches, hospitals)		Space for trash, recycling, cardboard and compost bins. Space needed depends on waste flow.
Downtown Mountain View (Except residential)		At a minimum, all developments must provide space for two 2-yard bins for trash and recycling. Food businesses must have a minimum of twice a week trash and compost service. Tallow must be serviced every two weeks and the container should be no larger than what is needed for that collection period. No tallow in enclosures.

TABLE B: BINS & CLEARANCES

Design for the largest container possible to allow for growth and flexibility in service levels.

Bin Size	Bin Dimensions	Minimum <i>Interior</i> Clearances*
4-yard	6'10" W x 4'8" D x 5'8" H	1' between bin and enclosure walls or interior curbs 4' user access in front of bin 6' aisle if rolling bins around each other
3-yard	6'10" W x 3'11"D x 5'2" H	
2-yard	6'10" W x 3'4" D x 4'5" H	
Trash or Recycling Cart (96-gallon)	2'6"W x 3'D x 3'8"H	1' between each cart and enclosure walls

* See bin layouts attached. .

TABLE C: TRUCK ACCESS

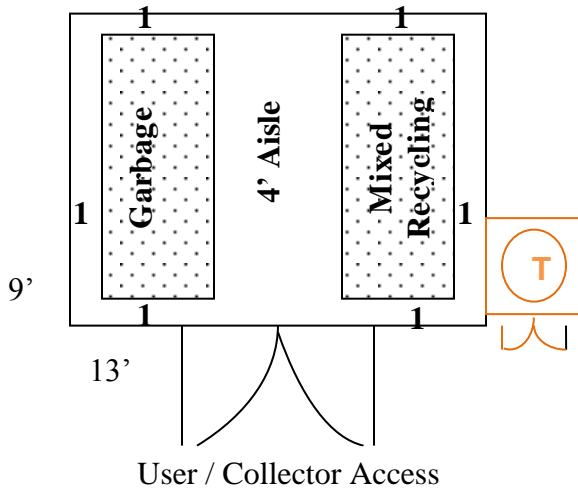
<p>Inside turning radius: 34'</p> <p>Outside turning radius: 41'</p> <p>Truck Width: 12' mirror to mirror</p> <p>Truck Length: 40" (for roll-off add length of box/compactor)</p>	<p>Outdoor travelway vertical clearance: 14'6" (h)*</p> <p>Indoor travelway vertical clearance: 15' (h)*</p> <p>Height tipping clearance indoor/outdoor: 22' (h)*</p> <p>*All vertical clearances are measured from finished grade to any overhead appurtenances (e.g. overhangs, sprinklers, cameras, mechanical, plumbing, electrical, etc.)</p> <p>Travelway minimum width: 12' in one direction (Residential 15' in one direction)**</p> <p>**Minimum clearance must be free of any footings</p>
<p>For safety reasons, a truck turnaround is required for any street, driveway or travelway if the collection truck has to back up more than 150 feet or back into areas with high volumes of traffic, pedestrians, or bicycles.</p>	

EXAMPLES OF BIN LAYOUTS*

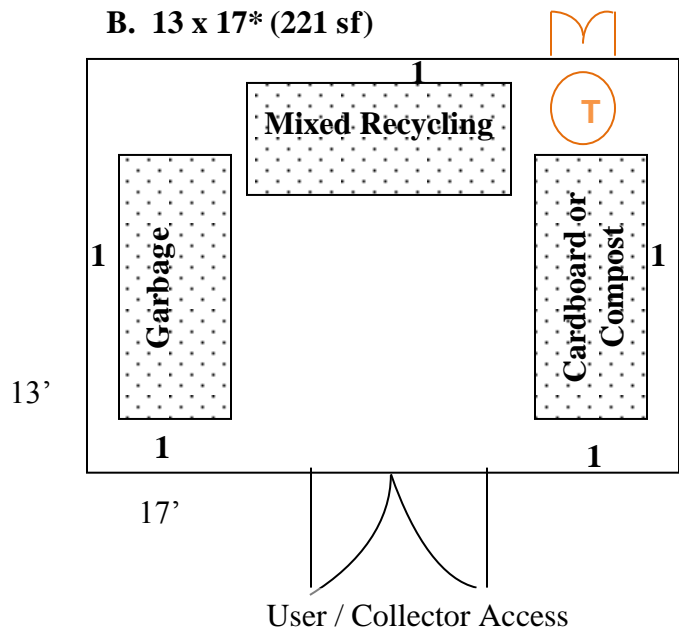
- Layouts shown for typical 3-yard bins. Dimensions are approximate.
- **Food facilities required to have compost service by State law if >4 CY trash 2019.**
- Provide 1-foot interior clearance between bins and other obstructions (walls, curbs, equipment, trees)*.
- Provide 4-foot user access to front of bin for loading of material.
- Provide 6-foot aisle if rolling bins around each other
- Provide 9-foot vertical clearance to open lids (from finished floor to roof interior).
- Provide a level floor surface for the entire enclosure and a concrete stress pad that is the same width as the enclosure and extends out 10' in front of enclosure.
- Provide gate with offset hinges with minimum 8' wide opening to easily remove bins for collection (providing 1-foot clearance around bin). Include means to secure in open/ closed position (e.g. cane bolts)
- Light switches should be a minimum of **5 feet** from floor for access
- **Tallow**: add space for *drum/tank* at rear of enclosure/ rear access (B); or provide separate enclosure (A)
- **Enclosure is only for trash, recycling and compost. No storage of supplies, equipment or appliances**

*Bin Layouts Show Interior Dimensions

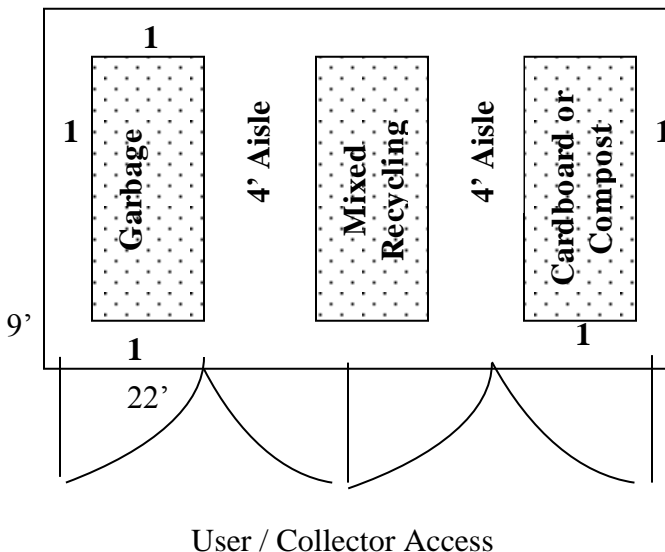
A. 9 x 13* (117 sf)



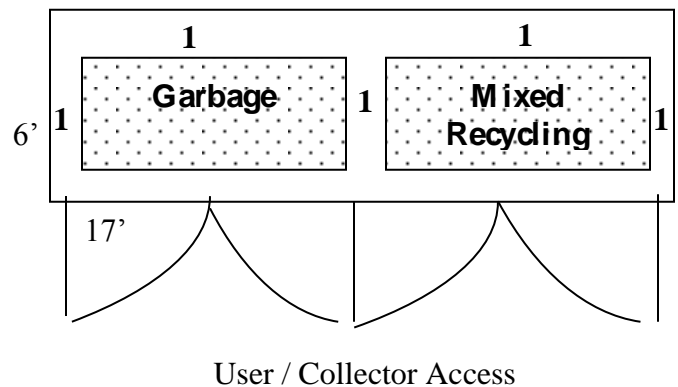
B. 13 x 17* (221 sf)



C. 9 x 22* (198 sf)



D. 6 x 17* (102 sf)



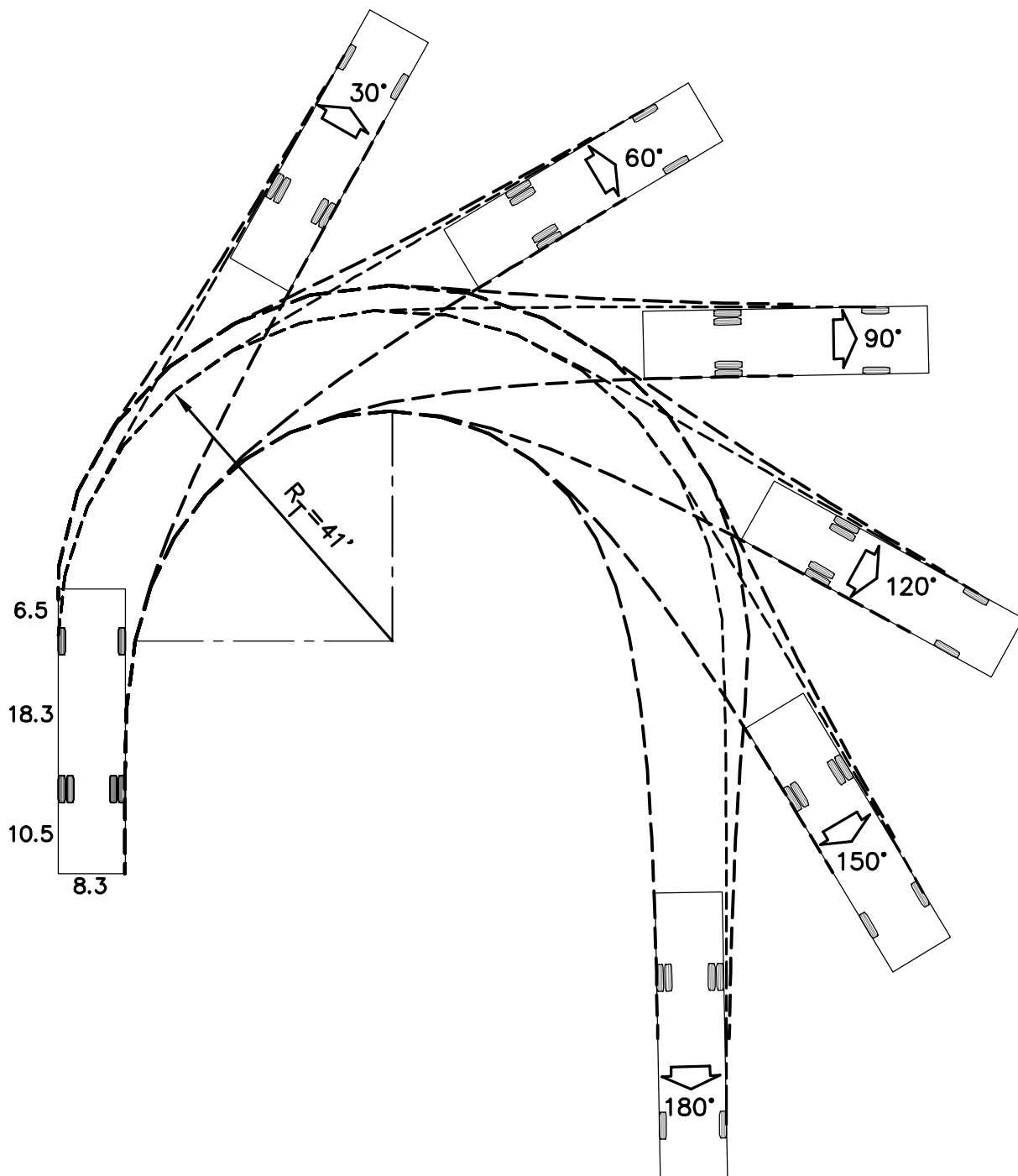
*Bin Layouts Show Interior Dimensions (no curb, footings or other obstructions)

Provide level floor surface for entire enclosure and opening.

*Residential developments must use carts or separate bins for mixed paper and mixed container recycling. Mixed recycling bins are only available for commercial accounts.

$R_T = 41'$

SCALE:
1"=20'



TURNING VEHICLE TEMPLATE
RECYCLING TRUCK

