

CITY OF KIRKLAND

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**DEPARTMENT OF PUBLIC WORKS
PRE-APPROVED PLANS POLICY****Policy G-9: GARBAGE AND RECYCLING RECEPTACLES AND ENCLOSURES**

Kirkland Zoning Code Chapter 115.45 requires all new multifamily, mixed use, and commercial structures to provide adequate and convenient space for the collection, storage, loading, and pickup of garbage and recyclable material. When constructing new garbage and recycling enclosures, the Storage Space Area and Volume Requirements criteria stated below shall be met.

While not required, it is strongly recommended that consideration be given to using dumpsters for the collection of both garbage and recyclables.

For standard enclosure design plan examples, see CK-G.01. Enclosures shall substantially comply with the referenced plan diagrams, but alternative configurations may be approved by the City when site constraints exist. Waste truck accessibility to enclosures is limited by the turning radius templates shown in CK-G.02.

Storage Space Area Design Standards and Capacity Requirements

- (1) The total weekly capacity of all recycling dumpsters and/or carts shall be equal to or greater than the total weekly capacity of the garbage dumpsters and/or carts. Total weekly capacity equals the size of all garbage or recycling containers expressed in cubic yards x number of service days per week.
- (2) Each enclosure shall provide space for two (2) 64-gallon commercial organics collection carts.
- (3) The minimum required area for the collection and storage of refuse and recyclable materials shall be at least 150% the sum of the dumpster and/or cart footprints to be contained within.

Example 1: A property has a 3-cubic yard (4' x 6') garbage dumpster serviced once per week and a 4-cubic yard (5' 6" x 6') recycling dumpster serviced once per week. The enclosure area required is calculated as follows:

$$(4 \times 6) + (5.5 \times 6) + (2 \times 4.5) = 66 \text{ square feet}$$

$$66 \text{ square feet} \times 150\% = 99 \text{ square feet minimum required enclosure area}$$

Example 2: A property has a 6-cubic yard (6' x 6') garbage dumpster serviced once per week and six 96 gallon recycling carts serviced twice per week. The required enclosure area is calculated as follows:

$$(6 \times 6) + (6 \times 6.3) + (2 \times 4.5) = 82.8 \text{ square feet}$$

$$82.8 \text{ square feet} \times 150\% = 124.2 \text{ square feet minimum required enclosure area}$$

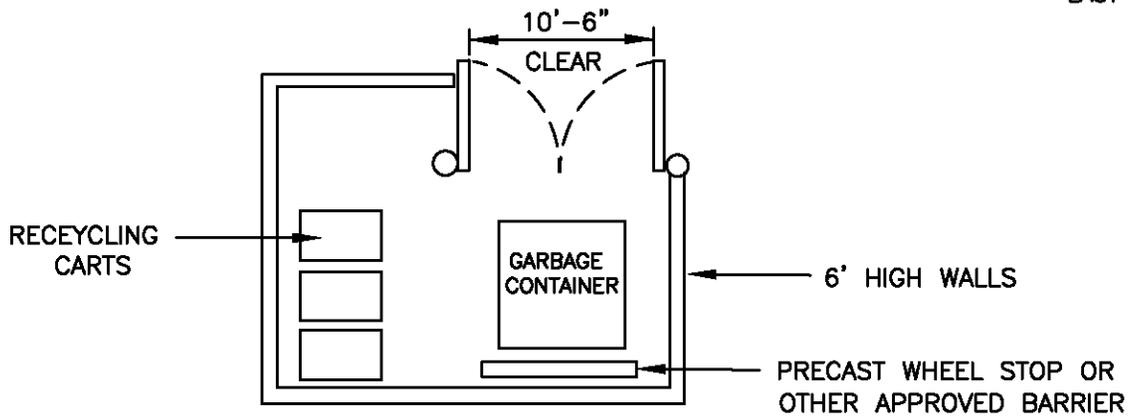
- (4) Containers for refuse and recyclable materials shall be located adjacent to one another within the same enclosure.
- (5) Enclosures shall be designed to provide adequate, safe, and efficient accessibility for service vehicles. All service vehicle access openings shall be at least 10' 6" wide.
- (6) Enclosures shall be equipped with lockable gate doors that open with a minimum 90 degree swing. Any roofed structure over enclosures for stationary dumpsters shall have a vertical clearance of 14'.
- (7) Enclosures shall be designed to allow walk-in access without having to open the main enclosure service gate(s).
- (8) Enclosures should be convenient for residents and businesses. In general, enclosures should be provided within 200'-300' of each resident/business.
- (9) Enclosure areas shall be constructed on a level concrete or suitable equivalent hard-surfaced pad. The grade of the pad shall not exceed three (3) percent.
- (10) Enclosure areas shall include a precast wheel stop or other approved barrier.
- (11) The enclosure space shall not be used for purposes other than for the storage and collection of refuse and recyclable materials.

Available Cart Specifications:

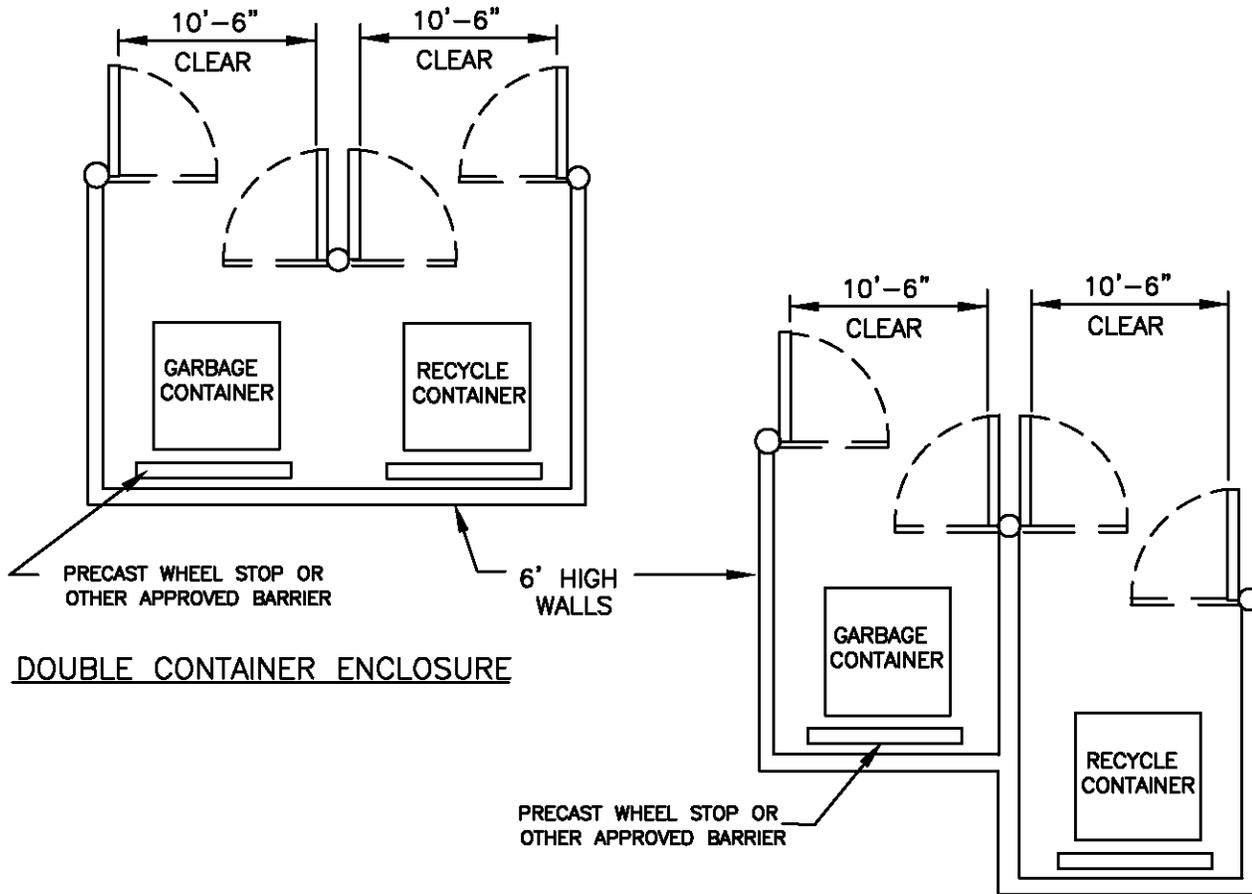
	<u>Dimensions (w x d)</u>	<u>Footprint (sq ft)</u>	<u>Cubic Yard Equivalent</u>
20-gal cart	19" x 24"	3.2 sq ft	.10 cy ³
35-gal cart	19" x 24"	3.2 sq ft	.17 cy ³
64-gal cart	24" x 27"	4.5 sq ft	.30 cy ³
96-gal cart	26" x 35"	6.3 sq ft	.50 cy ³

Available Dumpster Specifications:

	<u>Dimensions (w x d)</u>	<u>Footprint (sq ft)</u>	<u>Configuration</u>
1 cubic yard	6' x 2' 5"	14.5 sq ft	Casters or no casters
1.5 cubic yard	6' x 2' 6"	15 sq ft	Casters or no casters
2 cubic yard	6' x 3'	18 sq ft	Casters or no casters
3 cubic yard	6' x 4'	24 sq ft	Casters or no casters
4 cubic yard	6' x 5' 6"	33 sq ft	Casters or no casters
6 cubic yard (flat top)	5' x 6'	30 sq ft	No casters
6 cubic yard (slant)	6' x 6'	36 sq ft	No casters
8 cubic yard (flat top)	5' 6" x 6'	33 sq ft	No casters
8 cubic yard (slant)	5' 6" x 6'	33 sq ft	No casters



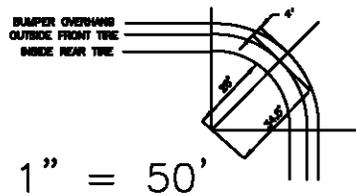
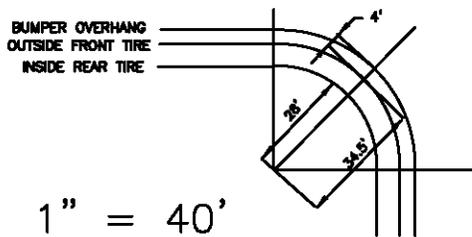
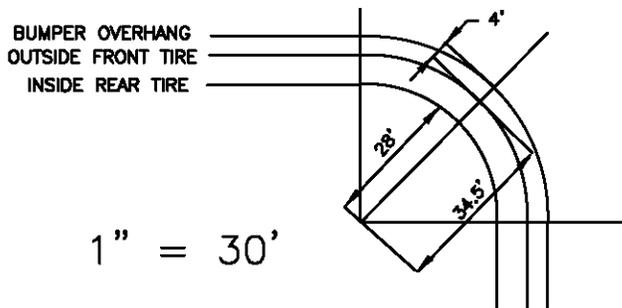
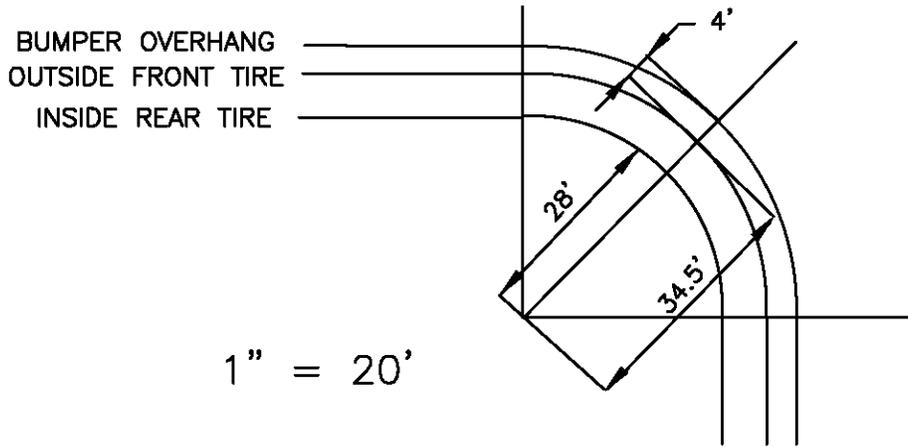
TYPICAL MULTIFAMILY AND COMMERCIAL ENCLOSURE



DOUBLE CONTAINER ENCLOSURE

DOUBLE CONTAINER OFFSET ENCLOSURE

CITY OF KIRKLAND	
PLAN NO. CK-G.01	
	CONTAINER ENCLOSURES



WASTE MANAGEMENT TRUCK TURNING RADIUS TEMPLATE

CITY OF KIRKLAND

PLAN NO. CK-G.02



WMI
TRUCK TURNING
RADIUS TEMPLATE