



*Alameda County's Mandatory Recycling Ordinance #2012-01 requires businesses to have sufficient recycling collection services to handle the amount of recyclable material generated onsite. Enclosures must have sufficient space to accommodate at least one recycling and one solid waste bin. These guidelines have been developed to ensure that architects, designers, and developers consider adequate capacity in their enclosure design.*



For all new construction projects, and for major additions/rehabilitation projects, the Applicant must clearly indicate the proposed location and dimensions of each solid waste/recycling area on the site plan, including the enclosure detail. The plan should also include the proposed size, number, and type of solid waste and recycling containers to be stored in each enclosure.

### **Determine Size and Capacity Needs**

The business must have sufficient solid waste and recycling storage capacity. The enclosure shall be of adequate size to accommodate at least one solid waste container and one recycling container of similar size. If required, enclosure must also accommodate a separate container for the collection of organics (food scraps, compostable paper, and plant debris). To determine the size of the enclosure, you must calculate the capacity needs for the business. (*See Appendix A – Calculating Capacity Needs*)

Refer to the franchised waste hauler for further assistance with capacity needs and container sizes:

- ◆ **Alameda County Industries ~ (510) 357-7282**
- ◆ **Waste Management of Alameda County ~ (510) 613-8710**

### **Design/Construction**

1. Walls should be constructed of decorative block, masonry or similar materials at a minimum height of 6 feet.
2. Gates should be of solid construction to properly screen enclosure contents from view.
3. A minimum 12" buffer zone must be maintained between the containers and the enclosure walls to allow for maneuvering the containers.
4. If a roof is constructed, it must be at a height that allows sufficient clearance to open containers.
5. The enclosure must be constructed on a level pad with no more than a 2% grade.
6. A concrete slab shall be constructed either in front of each recycling and solid waste enclosure or at the point of receptacle pick-up by the collection vehicle to minimize damage to the surrounding asphalt paving. The slab should be sized appropriately to accommodate a container.
7. Multi-tenant commercial/retail buildings may be required to provide separate trash and recycle containers (within the enclosure(s)) for each tenant.



### Location Review

Solid waste/recycling enclosures shall be sited to minimize nuisance impacts, particularly noise impacts on residential areas. Plans with enclosures that are sited adjacent to residential areas may be subject to additional review by the Planning Services Division.

The enclosure should also be located to be the least obtrusive/visible from a public roadway. If it must be situated in a visible location, additional screening (landscaping) and/or decorative features may be required by the Planning Services Division.

### Access/Clearance

1. The enclosure should be easily accessible to collection vehicles and personnel yet secure enough to prevent unauthorized entry. A separate pedestrian path or gate should be constructed to allow continuous access to tenants.
2. The interior of the enclosure should have a 6"x6" concrete curb to prevent damage to the walls from container impact.
3. Driveways and/or travel aisles shall provide unobstructed access for collection vehicles and personnel.
4. The Applicant must ensure that there is adequate space for a collection vehicle to enter and exit the property in order to service each container (dumpster, compactor or roll-off). For safety reasons, a turnaround must be provided for any street that would otherwise require the collection truck to back up a distance greater than 150 feet. If a turnaround is required, the Applicant must provide a 40-foot turning radius for collection trucks.
5. If a compactor is proposed, site plans must allow for three times the length of the compactor as the back up distance for the driver to service the compactor. This distance must extend straight ahead from the end of the compactor in order to allow adequate space to hook and unhook the compactor from the roll-off truck.
6. If a collection vehicle must retrieve containers under a building, the height of the entrance must be a minimum 14 feet.
7. If gates with locks are planned to limit access to the property, then the Applicant must provide keys or cards to the franchised waste hauler. If keys or cards are not provided, then the Applicant must ensure that all secured gates are open at 3:00 a.m. for collection.

### Maintenance

The property owner, occupant and tenants shall maintain enclosure(s) free of litter and other debris in accordance with the San Leandro Municipal Code §3-15-215. The franchised waste hauler is responsible for replacement of containers in the event that they are in a condition of disrepair.

Per the San Leandro Municipal Code §3-1-200, storage of solid waste, recycling, and other materials outside of the enclosure that is visible from the street is prohibited at all times.

### For More Information

**City of San Leandro ~ Planning Department**  
835 E. 14<sup>th</sup> Street, Leandro, CA 94577  
Phone: (510) 577-3325  
Website: [www.sanleandro.org](http://www.sanleandro.org)

**City of San Leandro ~ Recycling Program**  
Phone: (510) 577-6026  
Email: [recycle@sanleandro.org](mailto:recycle@sanleandro.org)  
Website: [www.recyclesanleandro.org](http://www.recyclesanleandro.org)

## Appendix A – Calculating Capacity Needs

Calculate capacity needs for weekly solid waste collection from a business using the following formula:

*# of employees × lbs. of material generated per employee/week (refer table on reverse) × 1 cy/150 lbs. (estimated density of uncompacted waste) = total weekly **solid waste and recycling** capacity needed for the business (in cubic yards).*

Once you have determined your capacity needs, you can select a solid waste dumpster and a recycling dumpster sized for a minimum 1x per week collection. The dumpster size can be decreased with a corresponding increase in the number of dumpsters or in the frequency of collection such that the total weekly service capacity remains the same.

### Waste Management of Alameda County (510) 613-8710

Dumpsters for Garbage	Length	Width	Height
1 cy. (200 gal.)	7 feet	3.5 feet	4 feet
2 cy.	7 feet	3.5 feet	4.5 feet
3 cy.	7 feet	4 feet	5 feet
4 cy.	7 feet	5 feet	5.5 feet
6 cy.	7 feet	6.5 feet	6 feet
7 cy.	7 feet	7 feet	6 feet
Roll-Off Boxes for Garbage			
6 cy.	12 feet	7 feet	2 feet
14 cy.	12 feet	7.5 feet	5.5 feet
20 cy.	14 feet	7.5 feet	5.5 feet
30 cy.	22 feet	8 feet	5 feet
40 cy.	22 feet	8 feet	7 feet
Compactors			
20 cy.	20 feet	7.5 feet	7 feet
30 cy.	20 feet	7.5 feet	7.5 feet
40 cy.	22 feet	8 feet	7.5 feet

### Alameda County Industries (510) 357-7282

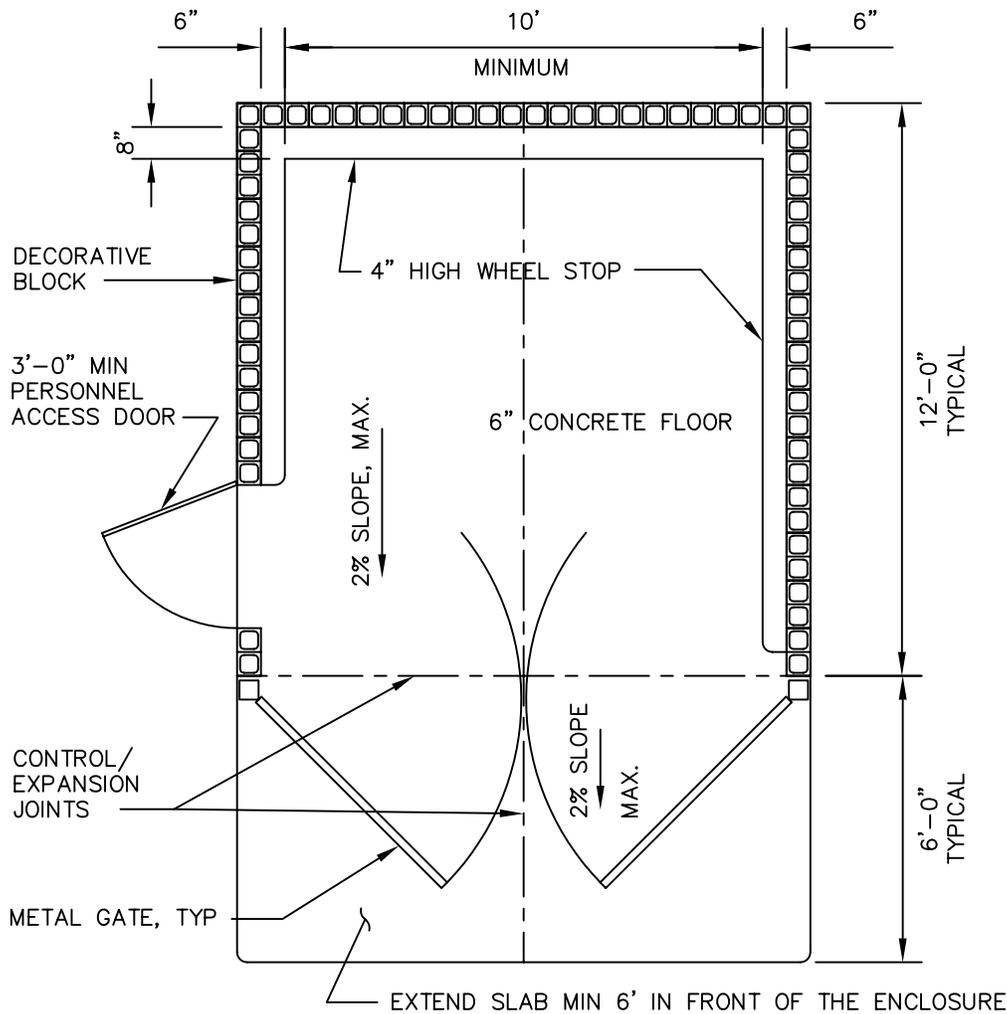
Dumpsters for Garbage	Length	Width	Height
1 cy. (200 gal.)	6.75 feet	3 feet	3.25 feet
2 cy.	6.75 feet	3.25 feet	4 feet
3 cy.	6.75 feet	3.75 feet	4.75 feet
4 cy.	6.75 feet	5 feet	5 feet
6 cy.	6.75 feet	5.75 feet	5.25 feet
8 cy.	6.75 feet	6 feet	7 feet
Roll-Off Boxes for Garbage			
10 cy.	14.5 feet	8 feet	3 feet
22 cy.	14.5 feet	8 feet	5 feet
40 cy.	22 feet	8 feet	7.5 feet

\*It should also be noted that only dumpsters up to four cubic yards have casters, so larger dumpsters must be serviced at the point of storage.

**Commercial Waste Generation Rates  
In Pounds Per Employee Per Week  
By Business Type**

<u>Business Type</u>	<u>SIC Codes Included</u>	<u>Pounds Per Employee Per Week</u>
Communications	48	36
Construction	15,16,17	77
Finance / Insurance / Real Estate / Legal	60,61,62,63,64,65,67,81	79
Manufacturing-Apparel / Textile	22,23	38
Manufacturing-Chemical / Allied	28	37
Manufacturing-Electronic Equipment	36	32
Manufacturing-Food / Kindred	20	69
Manufacturing-Furniture / Fixtures	25	80
Manufacturing-Industrial Machinery	35	34
Manufacturing-Instruments / Related	38	45
Manufacturing-Lumber and Wood Products	24	383
Manufacturing-Other	21,29,30,31,32,39	59
Manufacturing-Paper / Allied	26	32
Manufacturing-Primary / Fabricated Metal	33,34	34
Manufacturing-Printing / Publishing	27	51
Manufacturing-Transportation Equipment	37	59
Public Administration	43,91,92,93,94,95,96,97	17
Retail Trade – Other	56,57,59	95
Retail Trade-Automotive Dealers & Service	55	74
Retail Trade-Building Material and Garden	52	40
Retail Trade-Food Store	54	106
Retail Trade-General Merchandise Stores	53	14
Retail Trade-Restaurants	58	96
Services – Other	72,75,76,79,83,84,86,87,88,89	65
Services-Business Services	73	35
Services-Education	82	21
Services-Hotels / Lodging	70	45
Services-Medical / Health	80	24
Services-Motion Pictures	78	42
Transportation-Air	45	37
Transportation-Other	40,41,44,46,47	70
Trucking and Warehousing	42	26
Utilities	49	9
Wholesale Trade-Durable Goods	50	18
Wholesale Trade-Nondurable Goods	51	52

Source: California Department of Resources Recycling and Recovery Website: [www.CalRecycle.org](http://www.CalRecycle.org). Data were derived from Waste Disposal Rates for Business Types.

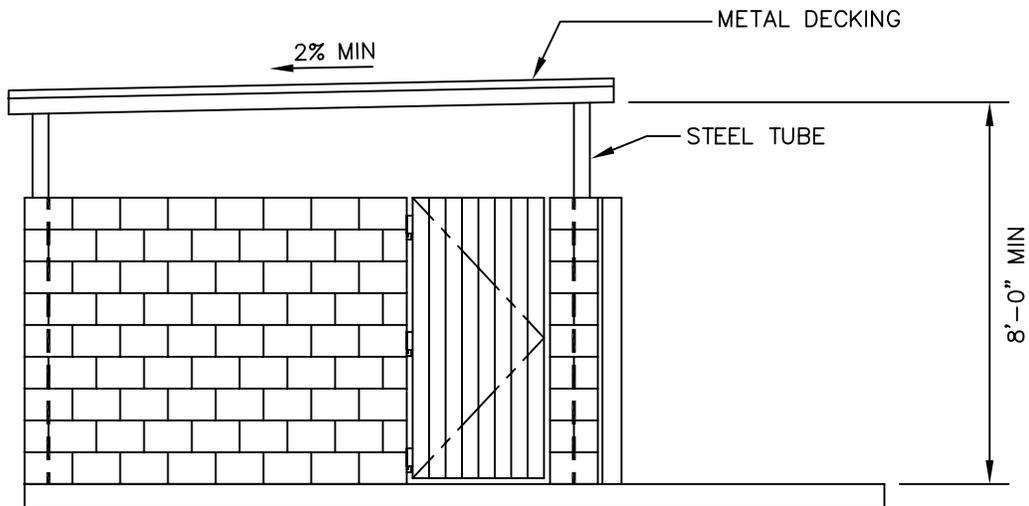


## ENCLOSURE FOR TWO THREE YARD DUMPSTERS FACING EACH OTHER

1/4" = 1'

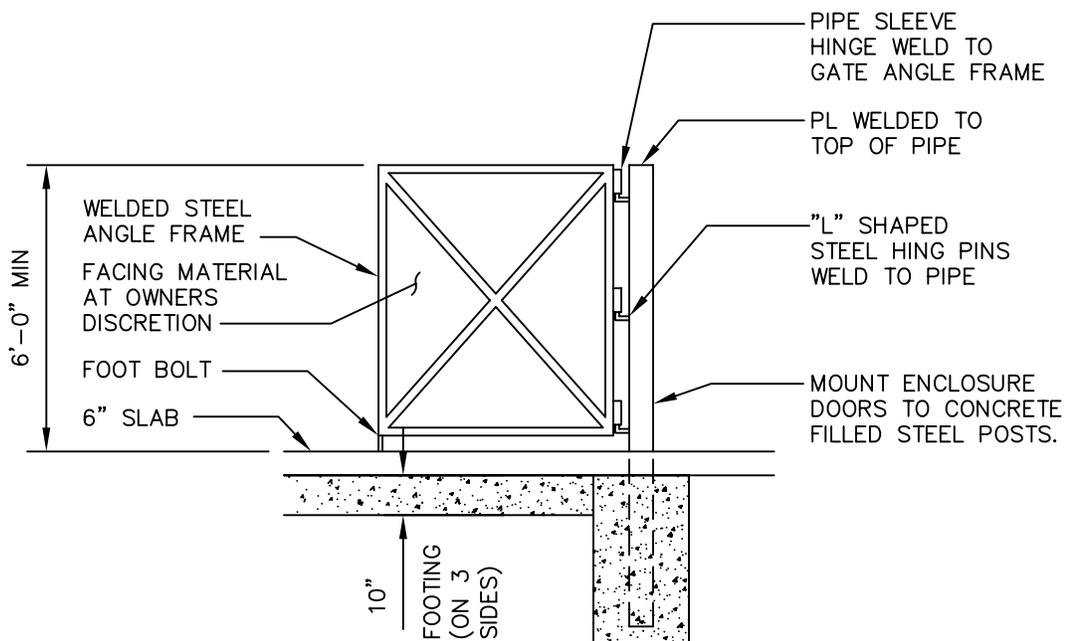
1. Walls are to be of decorative block, masonry, or similar materials. (Not precision block)
2. Gates are to be of solid construction.
3. Pedestrian access is advised if in multi-tenant areas. Consult with the Planning Department for those requirements.
4. Double swing gates shall have the swivel spots outside of the opening area of the enclosure. Swivel points shall be attached to concrete filled steel posts/columns at ends of walls.
5. Enclosure shall be on a level pad at ground level. The area between the pad and the pick up area shall be a paved area 6' deep for the width of the enclosure and shall not exceed a grade of 2 percent.
6. Minimum inside dimensions shall be as shown on sheet 2 of 2 of this standard for commercial, industrial and multi-tenant facilities.
7. Enclosures shall be configured to allow a minimum of two-three yard dumpsters.
8. Minimum wall and gate height to be 6'-0".

NO.	REVISIONS	DATE	TRASH ENCLOSURE DETAILS				
DRAWN NW		CHECKED JA	DATE Jan 2004	SCALE NONE	SHEET 1 OF 2	DWG. NO. _____ CASE. _____	



**ELEVATION**

1/4" = 1'



**GATE FRAME AND FOOTING**

NOT TO SCALE

NO.	REVISIONS	DATE

**TRASH ENCLOSURE DETAILS**

DRAWN NW	CHECKED JA	DATE Jan 2004	SCALE NONE	SHEET 2 OF 2	DWG. NO. _____ CASE. _____
----------	------------	---------------	------------	--------------	----------------------------