North Bay
Corporation

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Bin, Enclosure & Access Specifications

The following is general information about container types and sizes, bin enclosures and access requirements to assist planners in providing adequate enclosures for solid waste and recycle services at locations that require central (bin) collection. This guide is meant to be informative only. Staff are available to help answer specific questions that may relate to your facility.

Approximate Bin Sizes

Size of Container	Depth		Height		Width
1 or 1.5 cubic yard	3 ft	x	3 ft	x	6 ft
2 cubic yard bin	3 ft	x	3.5 ft	x	6 ft
3 cubic yard bin	3.5 ft	x	4.5 ft	x	6 ft
4 cubic yard bin	4.2 ft	x	5 ft	x	6 ft
6 cubic yard bin	5 ft	x	6 ft	x	6 ft has no wheels, stationery*
15 cubic yard box	16 ft	x	4 ft	x	8 ft
20 cubic yard box	18 ft	x	4 ft	x	8 ft
30 cubic yard box	18 ft	x	6 ft	x	8 ft

Approximate Cart Sizes

Size of Container	Depth		Height		Width
32-gallon	22.5in	x	38.5 in	x	19in
68-gallon	26.5in	x	43 in	x	22.5in
95-gallon (old style)	46.5in	x	46.5 in	x	26.5in
95-gallon (new style)	34in	x	41 in	x	30in

Two sizes for 95 gallon depending on style. We do not guarantee any particular style to customer. Customer should plan for maximum dimensions.
Carts are primarily used for single family dwellings and must be taken to the public street for collection.

Bin Enclosures

Size of Container	Space Needed
1 to 4 cubic yards	1 ft space between bin and wall (each side)
1 to 4 cubic yards	2 ft space between adjacent bins
6 cubic yards*	3 ft space between bin and wall (each side)

*Six yard containers have no wheels. Driver must be able to drive directly up to container.

Requirement to Recycle
The Public Resource Code section 42900-42911 requires that new and remodel construction projects "shall include adequate, accessible, and convenient areas for collecting and loading recyclable materials".

Public Access
In multifamily complexes, a separate door or walkway for public access to refuse and recycling is advisable. The public requires smaller, lighter doors for convenient access while recycling and refuse drivers need large doors for access to bins. A walkway of at least 3 - 4 feet is recommended. See attached models.

Enclosures with inconvenient access frequently encourage tenants to toss garbage or recycling over the wall instead of placing it inside the correct bin. This leads to contamination issues as well as a health & safety issues.

Access Doors
Enclosure doors must permit the removal of any individual bin without needing to remove another bin. Enclosure design should take into account both the size and number of bins needed to provide optimum service to the facility.

6-yard bins do not have wheels. The enclosure opening must be approximately three (3) feet wider (on each side) than the bin so the truck can drive directly up to the enclosure and insert the truck arms into the bin. Other bins may be placed alongside a 6-yard bin as long as adequate space between bins is provided.

Doors must be heavy duty to withstand regular use. Metal doors are preferred. Hinges must be heavy-duty to withstand regular use. North Bay Corporation will not be liable for hinge failure due to normal wear and tear.

Enclosure doors must be fitted with a pin or other means of securing doors in an open position while they are being serviced. This is to prevent injuries to our staff and damage to our vehicles, other structures or nearby vehicles. Doors must be constructed so they do not swing open into adjacent parking places or other structures.

Enclosure Bumpers
To protect enclosure walls it is advisable to create a bumper (concrete, metal or railroad tie) between bins and the enclosure walls to act as a stop to prevent bins from rolling into structure. This is particularly important along the back wall.

Vehicle Clearance
Overhead clearance of 14 feet is required for all vehicles. An additional 5 feet of clearance is neccesary at location where bins are tipped.

Enclosures should be kept away from overhead obstructions such as carports, awnings, low trees or power lines.

Enclosure Approach
North Bay Corporation requires that all private roads, lanes or driveways be built to public road standards. North Bay Corpration will not be responsible for damage to asphalt or substandard paving. A damage waiver may be required before collection vehicles will enter any private property deemed to have inadequate paving.

There should be at least a 20-foot concrete pad in front of the enclosure. **Asphalt is not adequate in front of enclosures.** Complexes that utilize asphalt will be required to provide a damage waiver.

The enclosure and surface where collection occurs must be level to avoid bins rolling on sloped areas.

To minimize backing, enclosure plans should be designed to allow drivers to pull through. Facility roadways must be designed in such a manner that drivers do not need to back up more than ten (10) feet.

Complexes utilizing 6-cubic yard bins must provide a straight approach to the enclosure as they do not have wheels and cannot be rolled into position.

Turn-a-Rounds and Turning Radius
Roads and driveways must be designed to meet turning radius specifications as per fire department requirements (generally a minimum of 34') **even if emergency vehicles will not need to enter the area**.

North Bay Corporation will not enter dead-end alleys or cul de sacs unless they meet fire department specifications for turn-a-rounds. Alternately, a hammerhead or "tee" at least 80 feet long may be constructed to permit an adequate turnaround for collection vehicles.

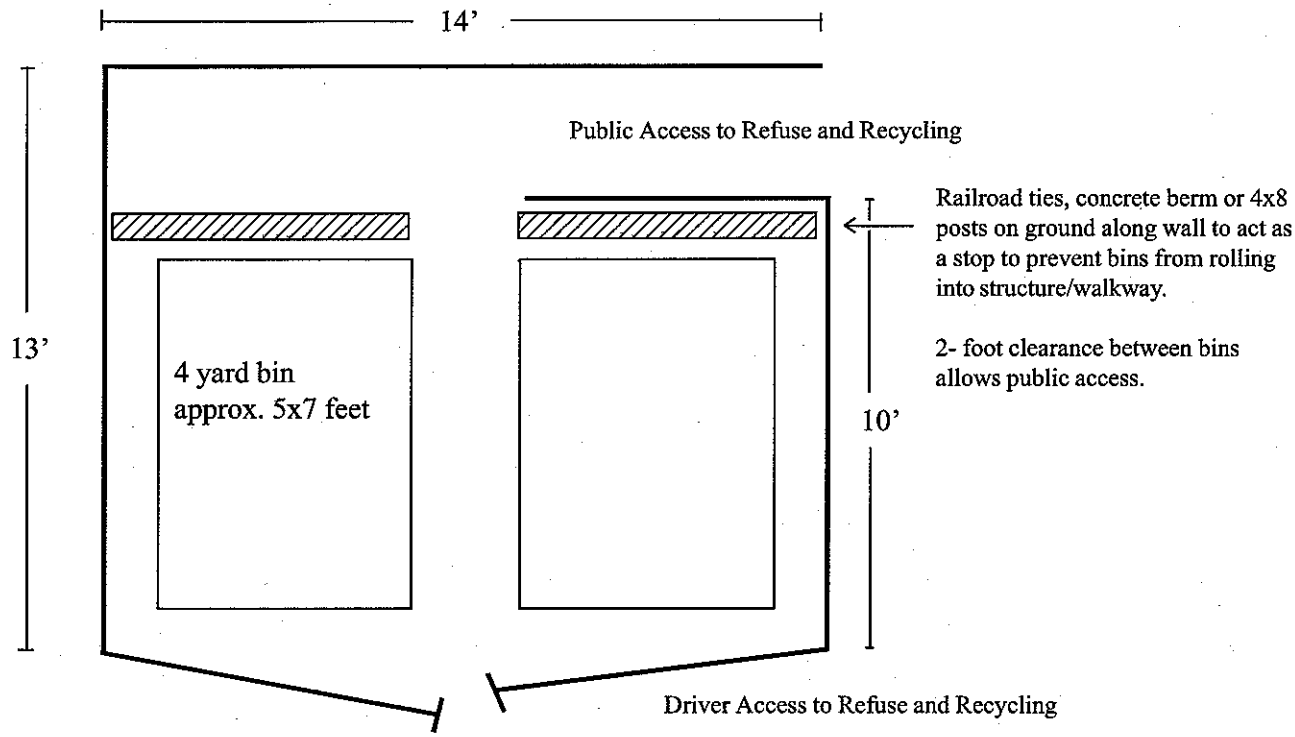
Please Note
Every site is unique. We have tried to provide you with as complete information as possible. We do not guarantee any specific design for your location. We are happy to review your plans or to answer any questions you may have.

Please contact Pam Davis at (707) 765-2367 or by email at *irecycle@sonic.net*

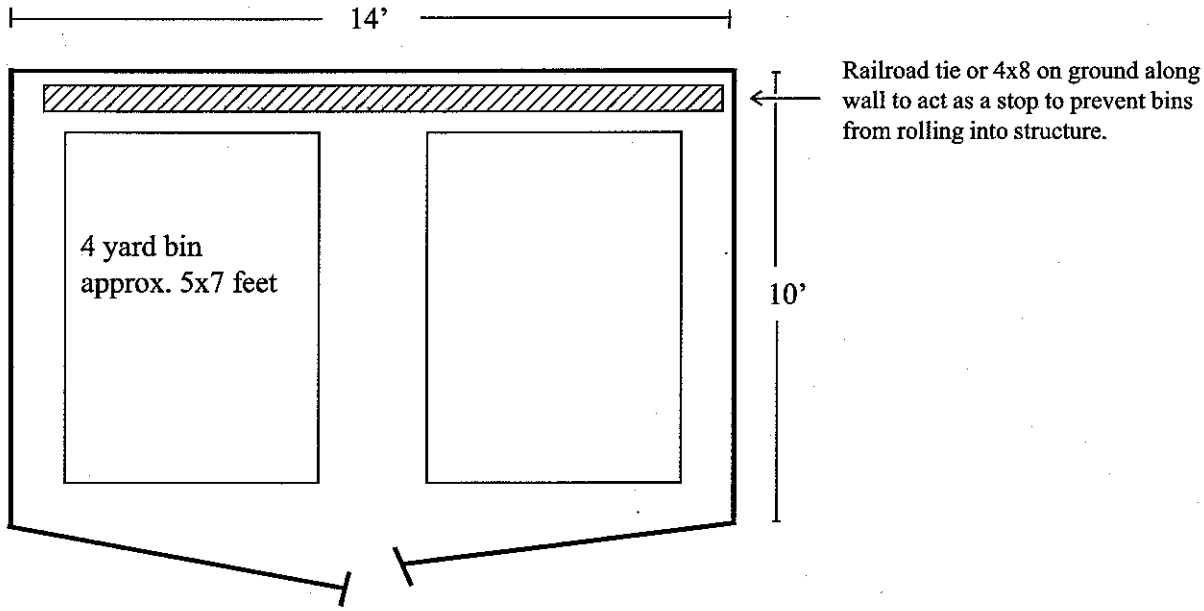
Model Bin Enclosures

These are models only. Double check the specifications of your containers and requirements of your hauler or City codes before constructing any enclosure. Models with separate public access are ideal for multifamily complexes. **All enclosure dimensions are interior. Optional public access (as in example 1) may be incorporated into any of these models.**

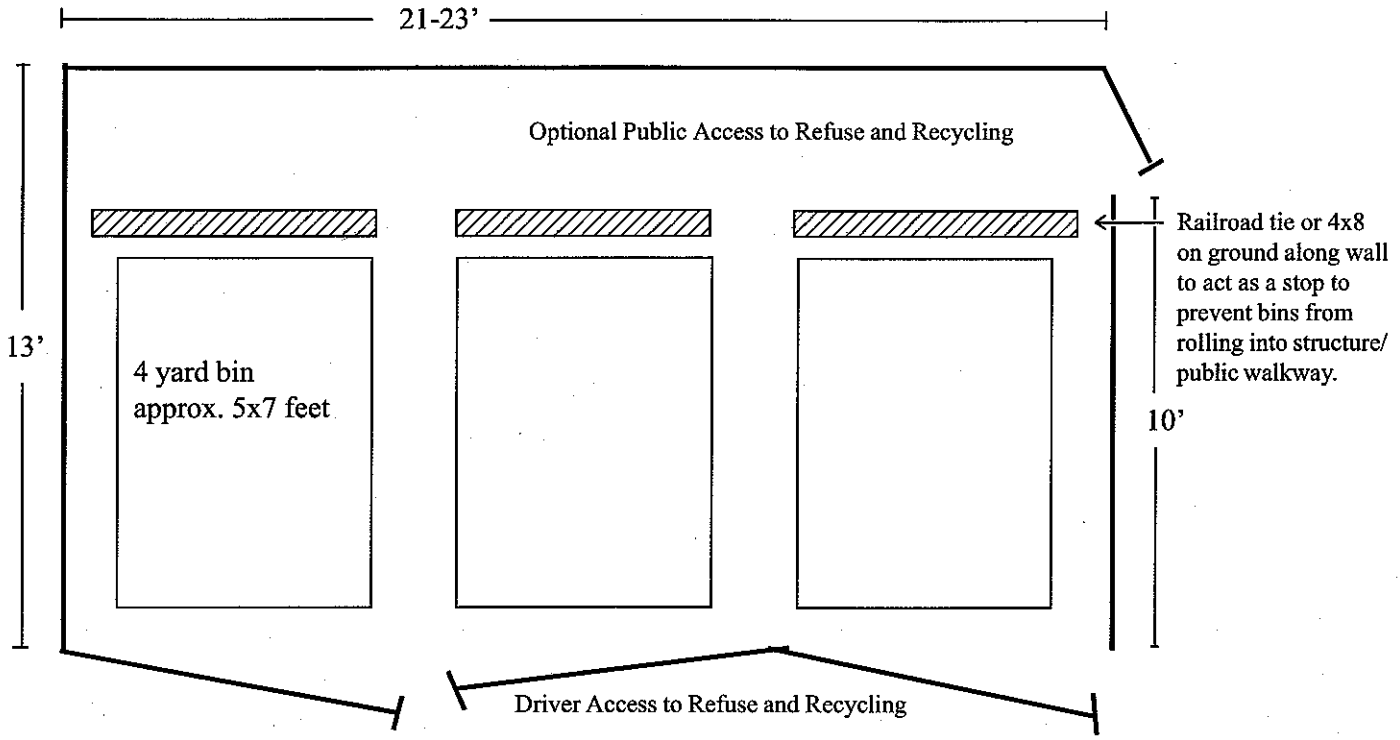
1. Enclosure for Two Bins with Public Access



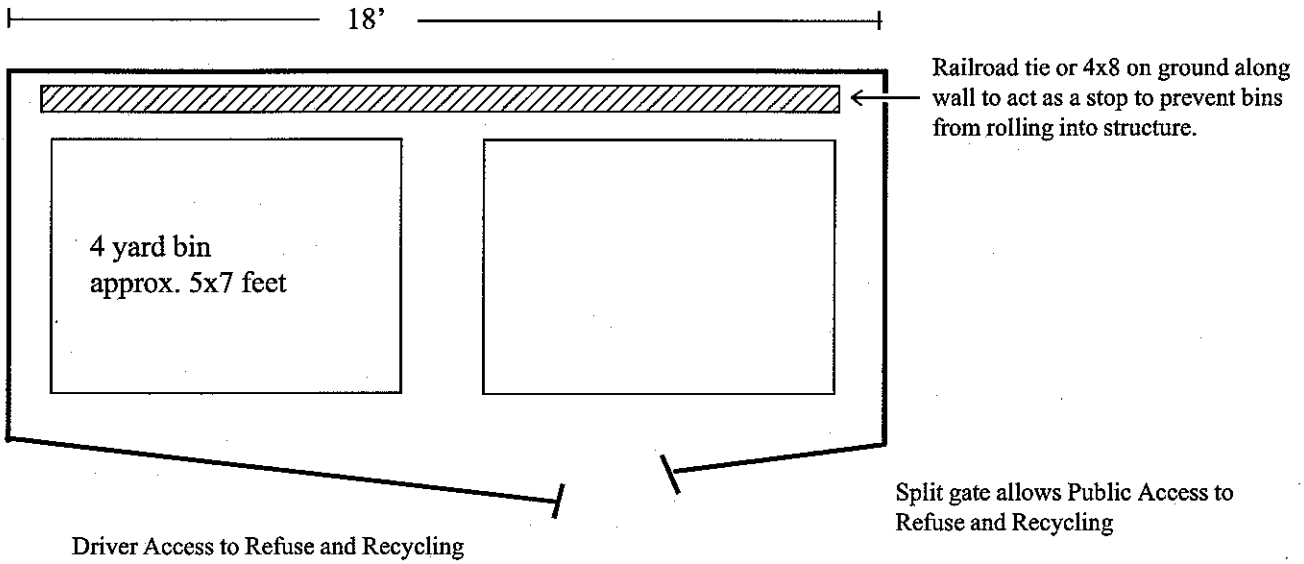
2. Two Bin Enclosure



3. Enclosure for Three Bins (Optional Public Access)



4. Two Bin Enclosure (horizontal orientation)



5. Two Bin Enclosure with a 6-yard bin

Six cubic yard bins require additional clearance on sides for truck access. These bins have no wheels and are stationary. Driver must be able to pull up to bin unobstructed.