

Trash Bin Enclosure Information



Three Yard Bin Enclosure

The following information regarding three (3) cubic yard refuse bin enclosures is offered as an aid in planning new projects or developments and to define our liability with respect to servicing customer owned enclosures.

These recommendations are based on our experience in handling three (3) cubic yard bins. The measurements of a three (3) cubic yard bin are seven (7) feet wide, five (5) feet high and four (4) feet front to rear.

1. If the bin is to sit on a slab, the minimum inside dimensions of the slab should be ten (10) feet wide and seven (7) feet deep.
2. It is extremely important that the slab be at the same level or grade as the street or parking area to facilitate the rolling of bins for loading positioning. Jarring or pushing can move wheeled bins and a sloped slab can cause it to roll, resulting in possible damage to enclosure walls, doors, vehicles, or injury to people.
3. It is necessary to move bins in order to dump them, please keep in mind:
 - a. Empty bins weigh 550 lbs.
 - b. Full bins weigh 800-1,400 lbs.
 - c. Bins can be rolled on flat areas or gradual inclines only. They cannot go over curbs, ledges, or raised sidewalks.
 - d. If bins must be moved more than ten (10) feet to be serviced, there will be an additional charge assessed based on the time and distance involved.
4. If the bins are to be kept in an enclosure, it is recommended that:
 - a. Enclosures are structurally strong.
 - b. Enclosure slab should be level or on the same grade as the approach to the bin.
 - c. One of the following methods of protecting the inside of your enclosure from damage by a bin should be used:

1. Mount a 2"x12" board directly behind and to the side of all surfaces that the bin may come in contact with. This board should be mounted so that its center is located approximately 4'x4½" above floor level.
2. Additionally, a 4"x4"x7' piece of angle iron bumper bolted or otherwise securely fastened directly to the floor or pavement should be installed.

Please keep in mind that if a wooden bumper is used, we cannot be responsible for normal wear, tear and deterioration of the wood.

All floor bumpers should be placed at least 8" from the base of all surfaces lying directly behind and to the sides of the bin.

- d. If gates are used on the enclosure(s), they should be mounted so that they swing fully open and not block the path of the bin. Mounting the gates on the front edge of the side walls works best. (See sketch)

The gates should have chains and hooks or pin stops at their full open point to hold them open to allow the bins to be moved in and out without damaging the gates or doors.

Construction should be heavy duty.

- e. If wood frame enclosures are built, the door framing and hinges should be bolted together. **Nails and screws do not hold up under constant use.** Keep in mind tenants will be going in and out of the enclosures thousands of times.

All of the above information is based on one (1) bin per enclosure. If you are planning on more bins per enclosure, we will be happy to assist you in working out the dimensions.

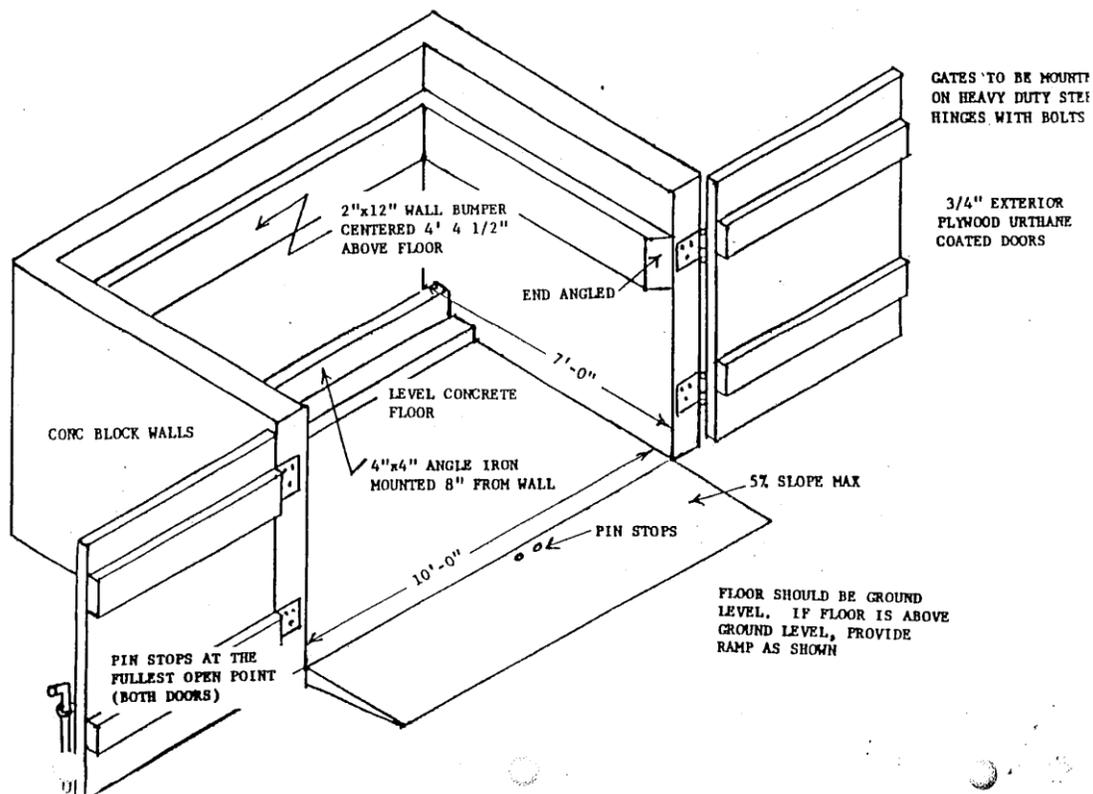
If an enclosure must be some other shape than that indicated in the enclosed diagram, please call us for additional recommendations.

5. For planning purposes in setting up refuse storage areas, these standards should be met:
 - a. Minimum overhead clearance for approach to the bin should be sixteen (16) feet. This clearance is also required at roof lines such as over hanging car ports.
 - b. Minimum driveway width, that does not require backing, is fourteen (14) feet. Eighteen (18) feet is required when a truck has to back out.
 - c. Concrete or asphalt drives should be of sufficient strength to accommodate 54,000 pounds distributed on ten (10) wheels.

- d. A minimum radius of 36 feet should be provided in areas where a turn around is required to exit.
6. Slab construction specifications will vary according to methods of construction. Please provide this information to your contractor to insure adequate slab strength.
7. If the bin is to be in an unenclosed area, against a structure, it is suggested that the curbing or wall protection recommended to protect inside enclosure walls be adapted to provide protection for the structure.
8. The extra weight of the bin on the front of the truck when the bin is picked up can damage pavement in front of the bin. The best protection is an 8'x4' concrete slab that is able to accommodate 20,000 pounds on 2 wheels in front of the bin area.

We hope that these guidelines and recommendations will help you in your planning.

Please be advised that EDCO Waste and Recycling Services, Inc. cannot be responsible for damage caused by inadequate construction or protection methods.



Building Division Counter is open between the hours of 7:30 a.m. and 5:30 p.m. (closed for lunch 11:30 a.m. - 12:30 p.m.) Monday through Thursday. City Hall and the Building Division counter are closed on alternating Fridays (see calendar). Our Friday hours are 8:00 a.m. - 5:00 p.m. (closed for lunch 11:30 a.m. - 12:30 p.m.).

*****Please contact the Poway Building Division if you have any questions or concerns at (858) 668-4645 or building@poway.org*****