



TRASH ENCLOSURE GUIDELINES

All trash shall be stored in weather-protected receptacles/bins and recyclable materials shall be protected against adverse weather conditions, which might render the collected materials unmarketable. Trash enclosure dimensions will vary based on projected usage and the following information is offered as an aid in planning new projects. Businesses that use dumpsters must design the enclosure to accommodate minimum three-yard containers. The tenants may use any dumpster size that is appropriate for their needs, but the enclosure must be able to accommodate different tenants with varying waste production, including any recycling requirements. The location and design of the enclosure will require review and approval by the Planning Division, and also might require review by the City's Design Review Board (DRB). Any storm water requirements will need to be coordinated and approved by the Engineering Division. Building permits may be required.

These recommendations are based on Escondido Disposal Inc. (EDI) experience in handling three and four cubic-yard bins. The following bin/container measurements are approximate (add 8" to width for side pockets):

Typical Trash Bins Sizes

Size	Width	Depth	Height (front)	Height (back)
1 1/2 cubic-yard	72" bin, 81" plus lid	34"	30"	51"
3 cubic yard	72" bin, 81" plus lid	43"	42"	70"
4 cubic yard	72" bin, 81" plus lid	56"	72"	72"

Filled weight should not exceed 1,000 pounds.

Design Criteria:

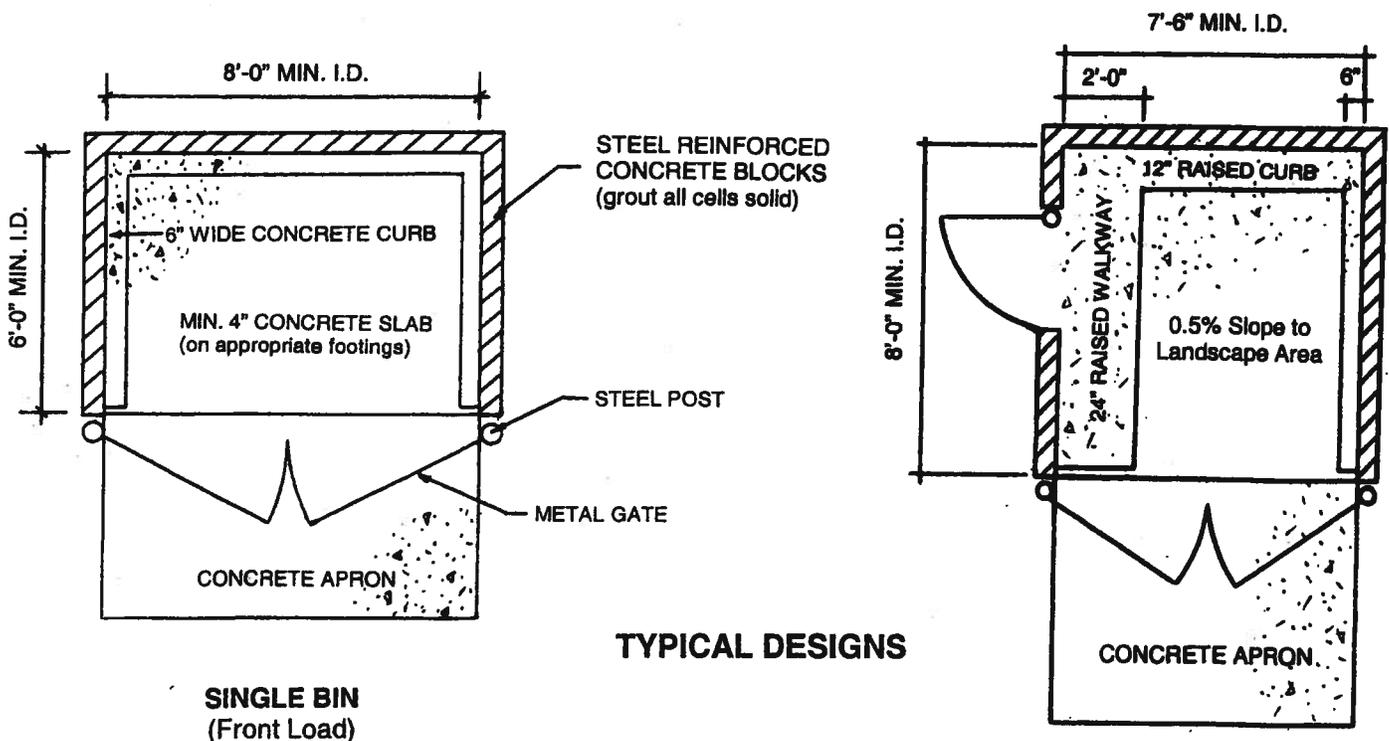
- Enclosures shall be structurally strong and constructed of solid masonry block or reinforced masonry with a decorative finish to be compatible with the architecture of the building(s) and landscaping (i.e., split face, slump stone, stucco exterior, etc.).
- The enclosure should be constructed to the following minimum **inside dimensions** (I.D.) to accommodate three cubic-yard dumpsters (larger enclosures may be necessary to accommodate additional trash bins, recycling bins, and accessibility):

No. of Bins	Loading	Width	Depth	Height
One	Front	8'	6'	6'
One	Side	7.5'	8'	6'
Two	Front	16'	6'	6'
Two	Side	8'	16'	6'

- The slab should be near or at the same level or grade as the street or parking area to facilitate the rolling of bins for loading and unloading. The slab also should be designed/sloped to keep storm water drainage out of the enclosure area (typically 0.5% slope). Wheeled bins can be moved by jarring or pushing, and a sloped slab can cause them to roll, resulting in possible damage to enclosure walls, doors, vehicles, or injury to people. Therefore, the slab should not be designed with excessively steep slopes and the bins should be appropriately secured within

Location Criteria:

1. Areas for the storage of trash and recyclable materials should be provided in a number adequate in capacity, number, and distribution to serve the development project.
2. Trash and recycling enclosures should be sited to ensure the maximum roll-out by the collector does not exceed 25' from enclosure to truck.
3. The bins should be sited to avoid conflicts with parking spaces/parked cars, delivery trucks and similar accessibility concerns.
4. Trash and recycling enclosures should be sited to ensure that overhead obstructions do not impede the waste hauler from gaining access to the site. The minimum overhead clearance for approach to the bin should be sixteen (16) feet. This clearance also is required at roof lines such as overhanging carports.
5. Minimum driveway width for straight through drive and pick-up is fourteen feet (additional width may be necessary per Fire and Engineering Department requirements). Eighteen (18) feet is required when a truck has to back out (additional width might be required based on site conditions).
6. Concrete or asphalt drives should be of sufficient strength to accommodate 54,000 lbs distributed on ten (10) wheels.
7. It is difficult for a collection truck to back up. Providing a turn around or separate exit that allows the truck to move forward rather than backwards is recommended. The maximum backup distance is 50 feet for any maneuver (unless approved by EDI) and must be in a straight line.
8. Turning radius must be adequate for a 3-axle truck. A minimum radius of 36 feet should be provided in areas where a turn around is required to exit. Additional radius may be required by the Fire Department or Engineering Department.
9. Appropriate landscaping and irrigation shall be provided around the base of enclosure walls (min. 3-foot planting area) when the enclosure is visible from the street or surrounding properties. The landscaping in the planting area shall consist of vertical planting (vines, hedges) which will screen the enclosure and irrigation.



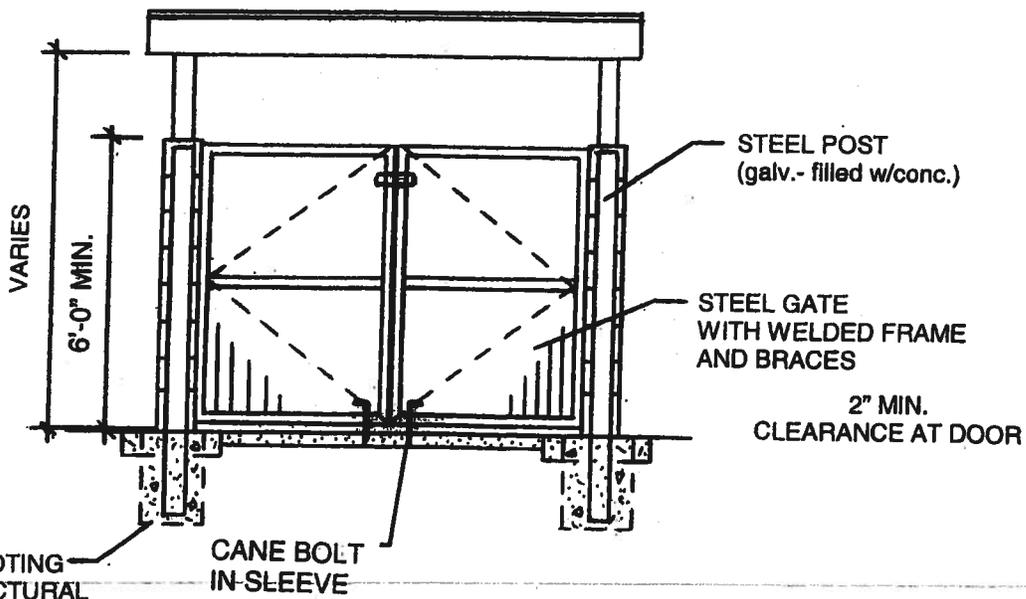
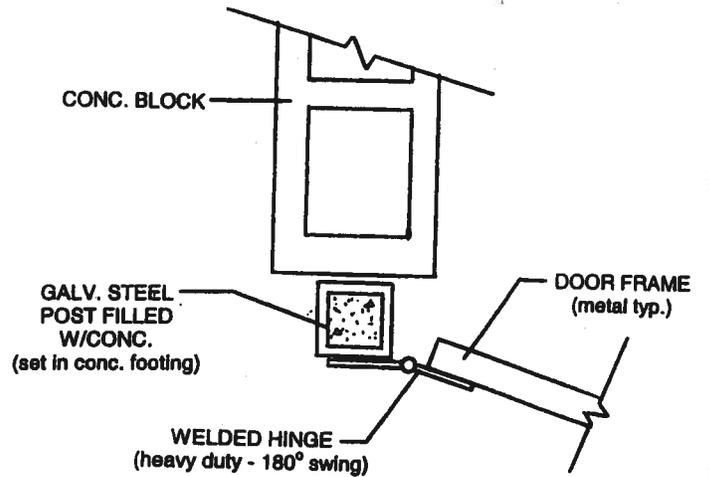
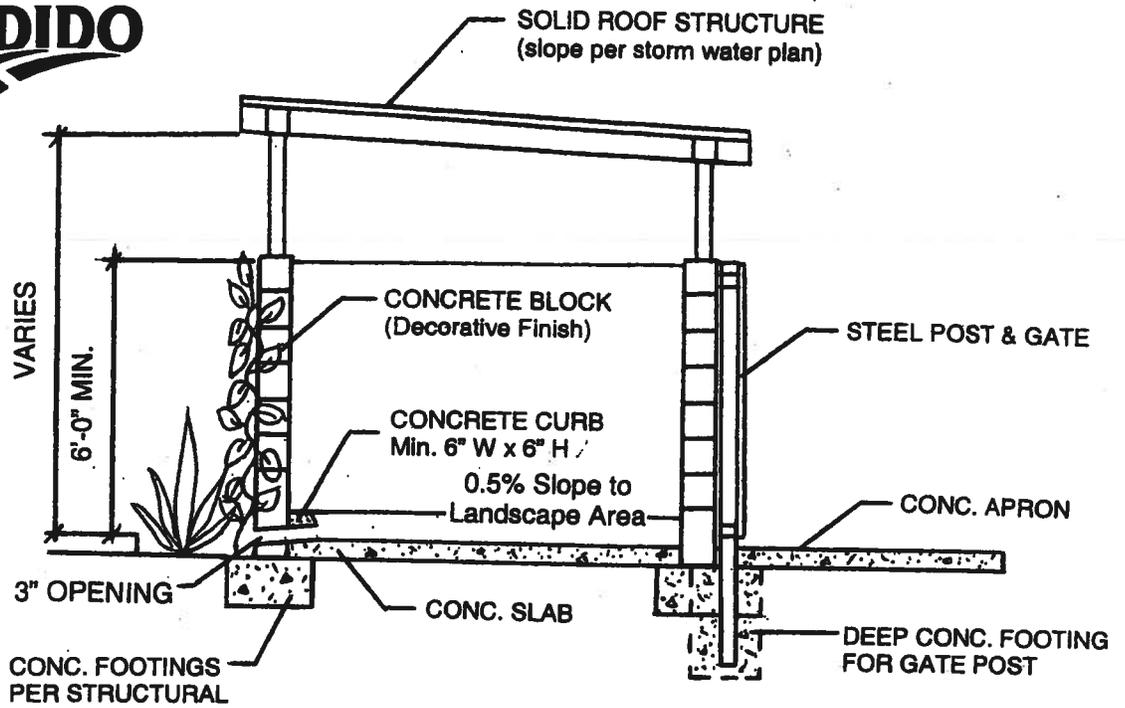
the enclosure, as may be necessary. If the floor is above ground level, an approach ramp shall be provided and shall not exceed a maximum slope of 5%. Slab construction specifications will vary according to methods of construction, but should be at least 4 inches of reinforced concrete. Please provide this information to your contractor to insure adequate slab strength.

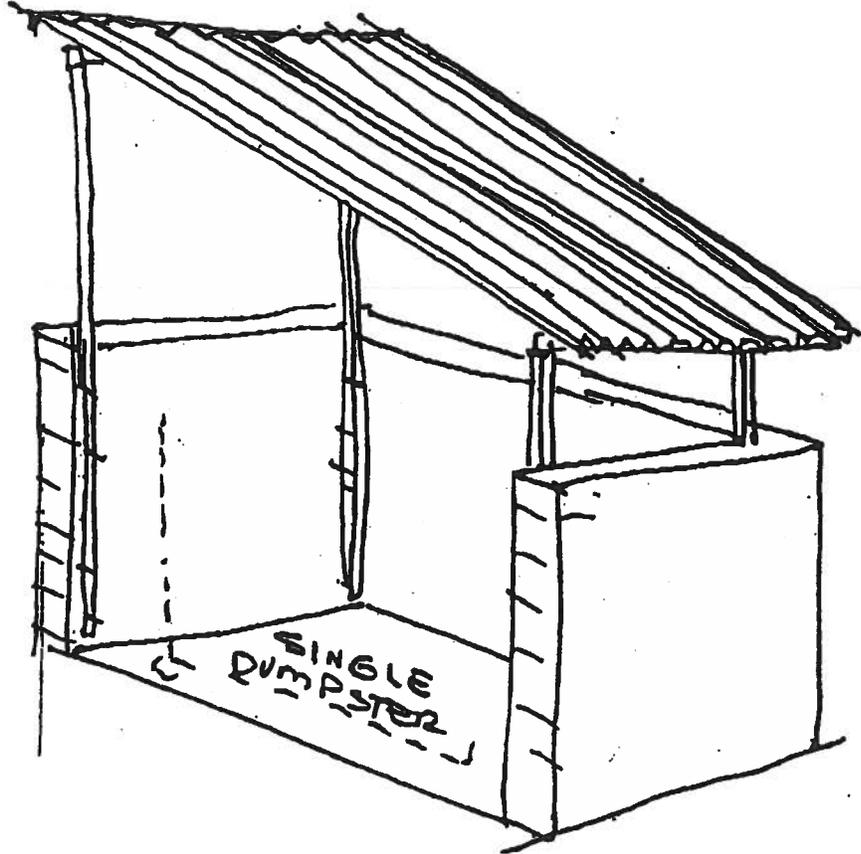
The extra weight of the bin on the front of the truck when the bin is picked up can damage pavement in front of the bin. The best protection is a minimum 8' w. x 4' d. (front load) and 7'6" w. x 8' d. (side load) reinforced concrete apron able to accommodate 20,000 lbs. on 2 wheels in front of the bin area.

4. Interior concrete curbs (min. 6" w. x 6" h.) or metal bumpers shall be provided to protect the inside of the enclosure and to extend enclosure life. Concrete curbs are preferred. Wider curbs or internal pedestrian walkways might be necessary based on enclosure design. Bolts or screws shall be inset on bumpers to avoid injury to collector or user.
5. Sturdy gates/doors shall be installed on all enclosures, and hardware shall be of sufficient strength to accommodate repetitive swinging (metal gates are preferred). Gates should be mounted on free standing metal posts set in concrete footings, and should not be mounted directly onto the block wall or inside of enclosure. The gates should have at least a two-inch clearance off the finished pad or apron. Gates in the open position shall not infringe on the traffic aisles and open to at least 180 degrees when secured open. The enclosure should include hardware to secure the gates doors both open and closed (i.e., cane blot w/sleeve and latch between doors and sleeve in pavement).

Wood-clad or wood-faced gates may be used, but must be built on a solid/durable metal frame and attached to metal posts. Use bolts, not screws, to secure gates to poles. Heavy slats or other wooden finish/screening material should be a least one-inch thick. Chain link gates with slats only are allowed when the trash enclosure is not accessible to the general public and visible from public areas (such as streets and parking lots) and is located within a secured area (typically fenced industrial yards/commercial lots).

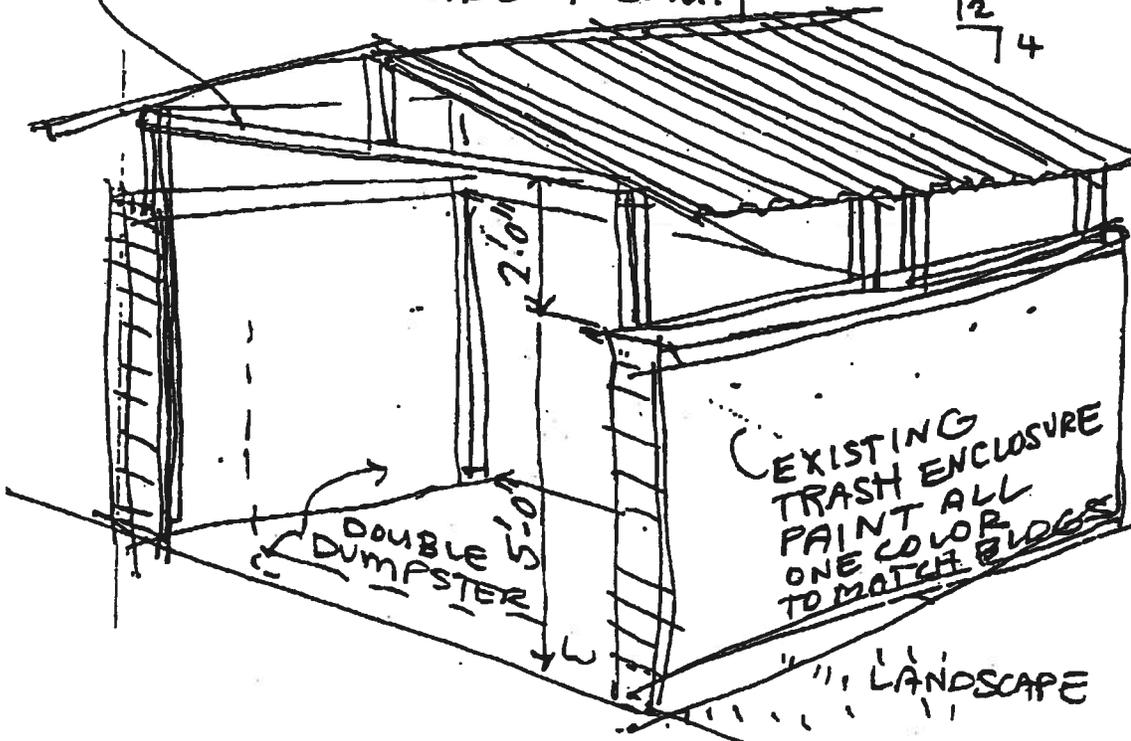
6. In residential complexes, enclosures should have a pedestrian gate or walk through that does not necessitate opening of large gates used for servicing containers. Pedestrian gates or walk through, separate from the primary service access is recommended for commercial and industrial projects. *Check with the Building Department for any necessary accessibility requirements in accordance with ADA and the California Building Code (i.e., path of travel, disabled access, pedestrian gate widths, ramps, etc.).*
7. To prevent trash enclosures from contributing to storm water runoff pollution, all enclosures must be fitted with a roof and slab, and designed to drain into on-site landscape areas (where necessary) and or a drain with an approved Bio Filter as per Storm Water Management Requirements adopted by City Council Resolution 2002-268, page 13 (see web site under engineering for document). The roof must provide sufficient clearance to allow the dumpster lid to open to the 90 degree position.
8. Trash enclosure shall contain a minimum three foot planting area at the base on the wall when the enclosure is visible from the street or surrounding properties. The landscaping shall consist of vertical planting (vines, hedges) which will screen the enclosure. Irrigation shall be provided.
9. Dumpsters associated with food establishments shall be sized per County Health Department requirements for wash down. Drains shall be connected to the business grease interceptor.
10. The area around and inside the enclosure should be provided with adequate lighting.





PROPOSED METAL ROOF
UNI-STRUT FRAMING
ANCHOR TO INSIDE OF CMU.

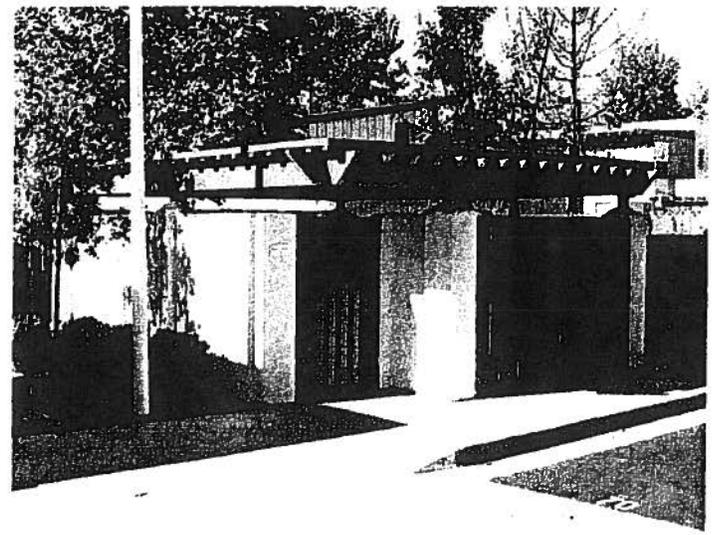
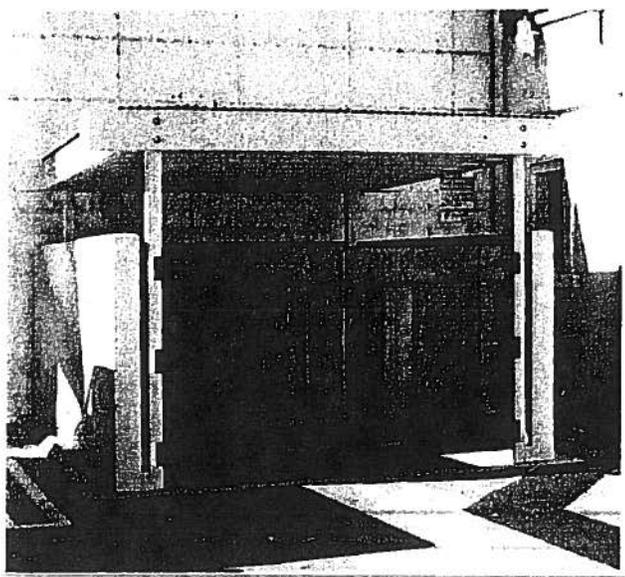
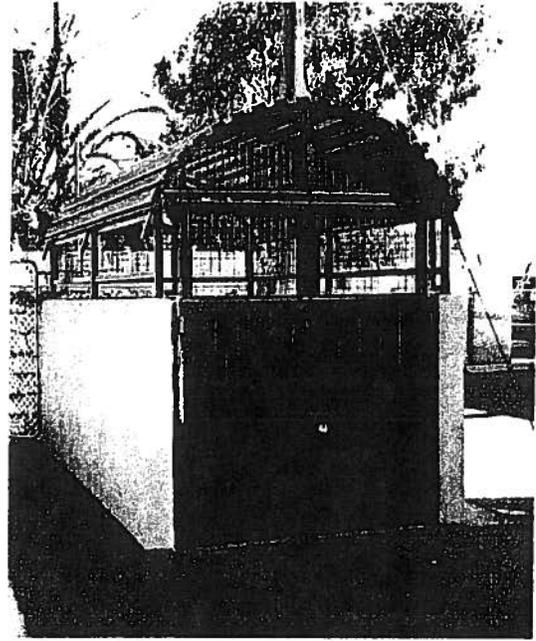
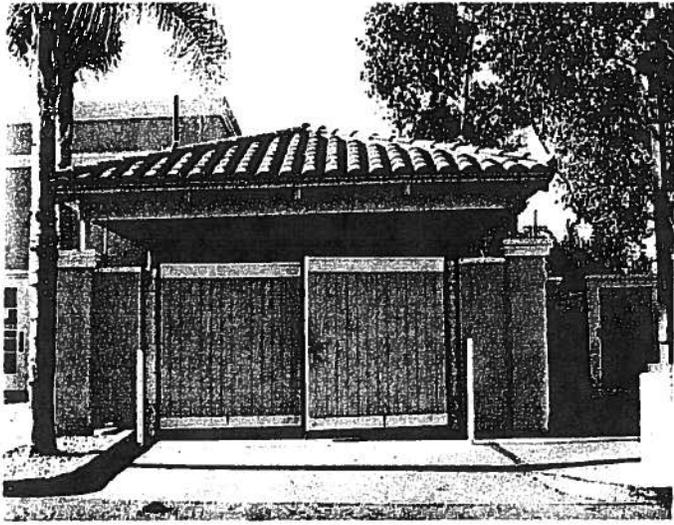
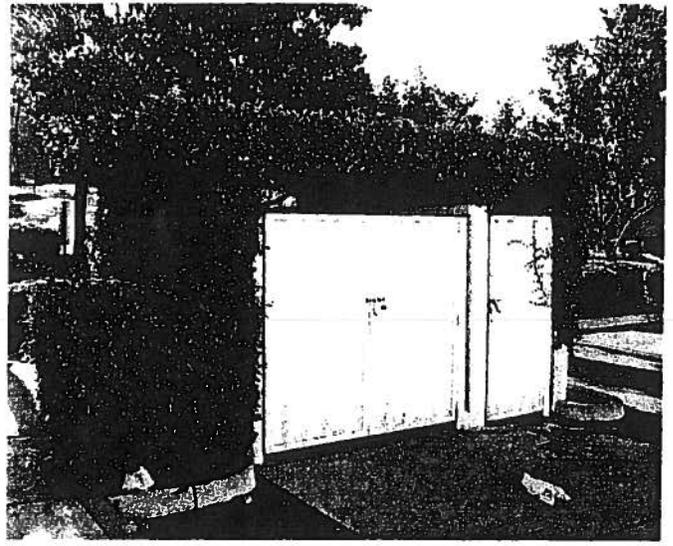
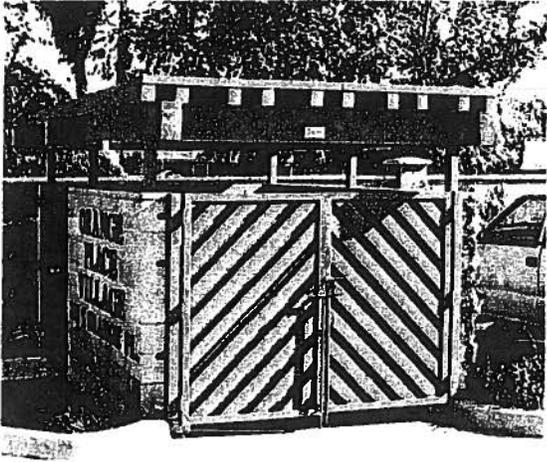
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EXAMPLES OF RETROFIT DESIGNS TO CONFORM TO WATER QUALITY REQUIREMENTS TO INSTALL ROOF

ESCONDIDO

City of Choice





"WE'LL TAKE CARE OF IT"

 Watch the Recycling Video

EDI for KIDS



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