Part 1 - Deconstructing Pallets
1. Using a Jigsaw or circular saw cut along the out pallet 2x4 on the top and bottom. The outer 2x4’s should fall away.
2. Using a hammer, work the planks of wood on the center 2x4 back and forth and peel them away.
3. Remove the nails in the center planks of wood,
4. On the 2x4’s that had fallen away knock out the little remaining pieces of wood and either pull the nails out or just hammer them straight in.

In the end you should be left with 3 - 48” 2x4’s and 4-6 - 35”-38” 1x4’s and 1x6’s

Part 2 - Bin Construction
1. Using a Miter Saw Cut 4 of the 2x4’s to 35” (Height of the Bin)
2. Using a Miter Saw Cut all the 1” boards down to 35”
3. Cut 2 of the 1x4’s to 15”(Depth of the Bin)
4. Assemble the sides of the bin using the 2x4’s as the sturdy vertical portions
5. Cut 4 of the 1x4’s to 30” (Width of the Bin)
6. Attach both sides of the bin with the 30” 1x4’s
7. With the bin frame constructed, use 1x6 and 1x4 boards to make a vertical outer portion

Part 3 - Construction of the Bin Lid
1. Chose several 35” 1x6’s and 1x4’s and bring them to the depth of the bin (just over 15”)
2. Using 2 - 14” 1x2’s and a 14” 1x4 align the boards selected of the lid and screw them across each other. The lid will be several inches longer than the top and will provide a place to grab and open the bin. The 1x2’s can be made by stripping the available 1x4’s

Part 4 Can Crusher Construction
- Assemble the bottom frame that is 3” wide and use 1x4’s as the sides. The chamber should be 13-14”Long and the Sides are 13-14” tall.
- Strip the 1x4’s to assemble each of the vertical portions and the front.
- Cut a 1x6 in the shape of a handle you want anywhere from 20-24” long
- The Plunger is made from 3 cut 1x4’s just around 9” long and 2” tick
- The square hole in the bottom is 3” wide and 2-2.5” wide. The cans at their crushed lengths should fall through.
- Tests and trials and small adjustments may need to be made. The can crusher can be tested before mounting, staining, and assembly of the vertical portion.

Part 5 - Finishing Touches
- Add a center cross beam to the bin to divide the recycling bin into an aluminum and glass side.
- Choose the location of the can crusher on the lid and outline the hole in the lid. Using a Drill, drill a hole in each of the four corners and with a jigsaw connect the holes and form a square drop through hole.
- Using a 3” hole saw, or a drill and jigsaw, cut a circular hole for the glass bottles side.
- Fill all the nail holes in the pallets with wood putty (Optional)
- Stain all the portions of the Project. Darker stains tend to work a little better on Pallet Projects due to the various types of wood that pallets are made from.(Optional)
- Attach the lid using 3-4 hinges.
- The Lid will need to be secured with a small chain or paracord. Small eye bolts can be used or just screws.
- Attach the can crusher to the lid.
- Make a small 4”x4” lid for the circular hole. (Optional)
- Place 8 small closet hooks on the inside to hold a trash bag.