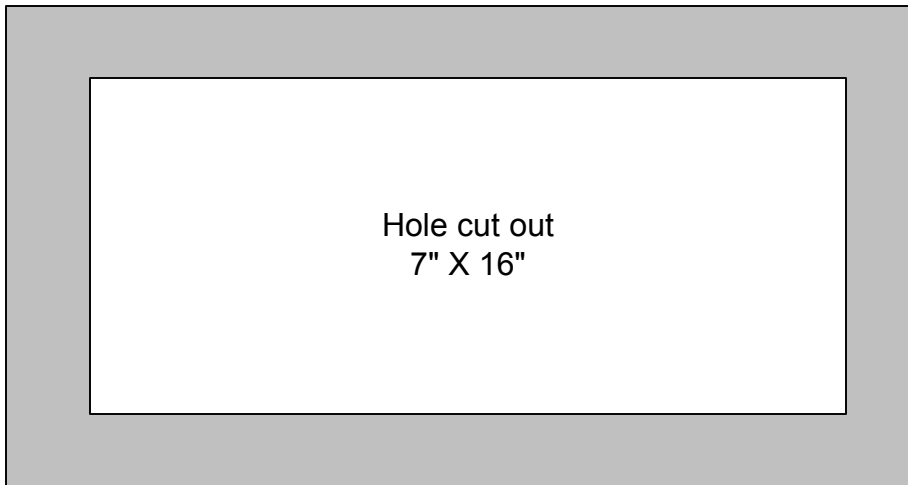
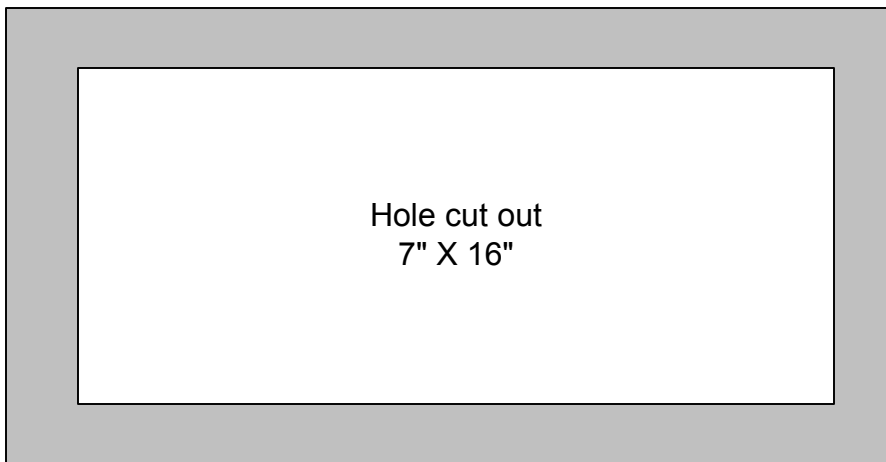


Have fun with this project. It looks like a mouse droid, but is not made to specifications. It is slightly smaller. The dimensions have been changed to common fractions. If you look at enough pictures, you will find variations in what they look like. The model can be radio controlled, towed by another droid, or a static model. Perfection is not necessary. The droid is a tool. The purpose could be as a security guard, courier, inspector or to record activities. Like most tools, they are repaired, but seldom rebuilt to look new. They could have spot paint like a damaged automobile.



Base
10" X 19"



Base Spacer
9" X 18"



The Base
Each part is about 1/2" thick. Completed thickness is about 1 1/4" to 1 1/2"

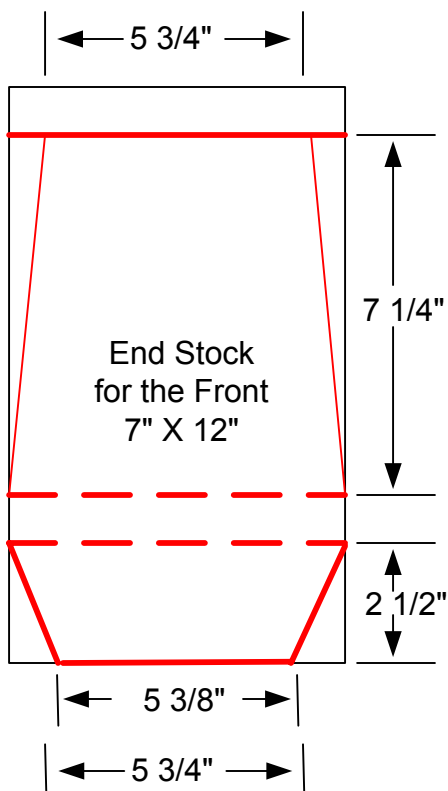
Mouse Droid Model

This project is not accurate in size. This model is made of cardboard shipping boxes. The corrugated paper board is easy to use and makes a good model. My next one may be of paper and foam display board. The edges of the cardboard is covered with brown paper package tape. The type of tape that has glue on one side and you activate with water. The water makes the paper soft, too.

Make 2 Base, and 1 Base Spacer parts. Cut 4 or 6 base pieces. The thickness of the finished parts needs to be about 1/2" thick for the top base and bottom base. Use white paper glue to make a stack of 2 or 3 Base pieces so it is about 1/2" thick. Do the same for the Base Spacer. Let the 3 parts dry flat. Cover the outside edges by wrapping sections with wet paper tape. I used 3" tape. Cover the corners, too. Let every thing dry flat. Make the complete base by gluing the Spacer between the Bases.

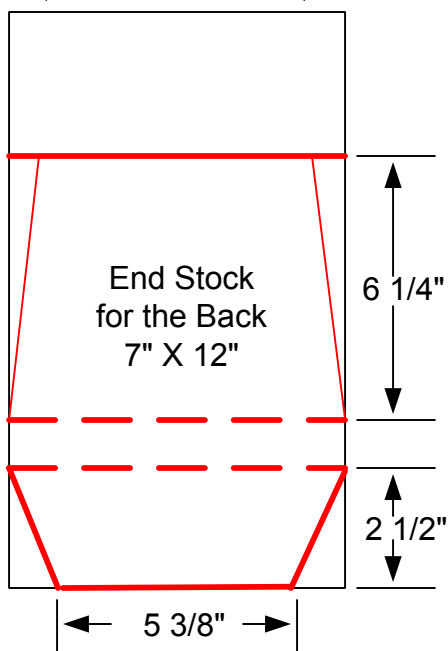
Cut 2 cardboard pieces 7" X 12". This is oversized and some will be cut off of each.

Front and Back layout. Mark the End Stock pieces as illustrated. The actual thickness of your Base needs to be used as part of the layout. The dash lines are fold lines. The solid red are cut lines.



Use the corner of a board or angle aluminum to press a crease into the fold lines. This will give an accurate bend in the cardboard. Glue the ends on, one at a time. When one end is dry, do the other. The bend is to the inside.

This is where the base fits.
Adjust this size to be the same as your Base. My Base was 1 1/4" thick.



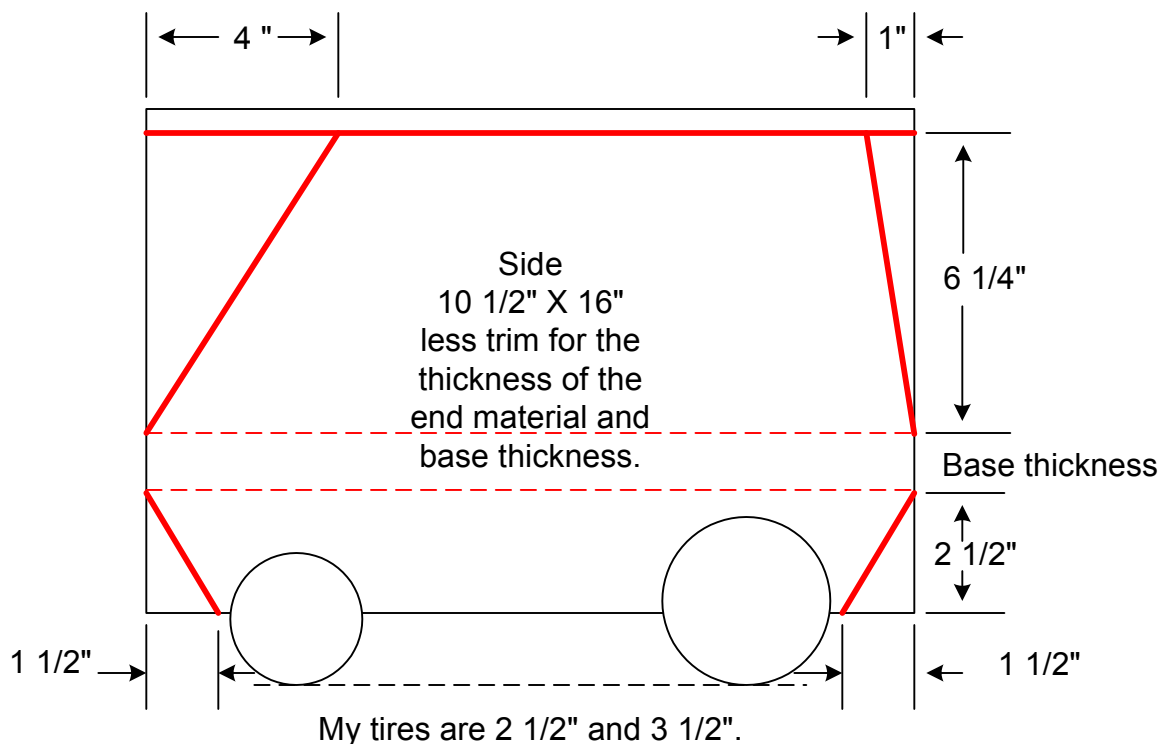
This is where the base fits.
Adjust this size to be the same as your Base. My Base was 1 1/4" thick.

Side Construction. Start with 2 cardboard pieces that are 10" X 16" in size. These should be oversized. Trim the length (16") to fit **between** the Ends that you have glued in. Check each side. The could be different.

Measure from the bottom of the blank side. Layout two sides. Cut the sides to shape and make creases to fold.

Before you glue the sides on, locate where your wheels should go and the size. I recommend a plastic RC car or truck. It should be a working one if you want to drive it around. If you want a static model, you can use a non operational RC car or truck. You can use the wheels for a broken one or purchase wheels from a hobby shop. The wheels on the chassis should be about 12" apart from front to back and About 7" wide. The hole that the RC unit has to fit in is about 5 1/4" wide and 13" long.

Mark where the cutouts for the wheels go. Cut out the wheeled holes and clearance if needed. Check the top sides for fit. When the ends are folded, make sure the tops fit and the sides at the base glue line. Glue the sides in place. After each side has dried, bend the sides in to position and use the paper tape to hold the side in position. Extra glue can be used on the inside seams.



The top. Turn the Body top down. The bottom sides may still be open. Place the Body on a piece of cardboard and trace the shape of the top so it will fit inside. The Top may not be square. Each side may be a little different in length. Cut the top as square as practical so that it will make the sides take the proper shape. Use paper tape to fix the top to the sides. Use white glue on the seams on the inside.

The lower Side. Complete the Body by taping the the lower body pieces together. Finish the basic Body by cutting lengths of paper tape that are a little longer than the seam to be covered. Crease the tape lengthwise so it will fit in the corners of the joints. Cover all joints and edges. Do this is side and out. The outside joints need to look good. Trim the excess ends. Errors and creases can be covered with paper tape. Let the glue dry well.