Industrial Strength Proxe Mural Display Stand Guide

Materials: All of these should be available at any hardware store or plumbing department of a big box store.

- (7) 1.25" x 10' PVC Pipe

- (6) 1.25" 90° elbows

- (10) 1.25" T's

- (4) 1.25" 45° angle

- **Industrial strength Velcro** (this is to attach the boards to the stand - for indoors tape can work but outside even regular Velcro didn't stand up to small amounts of wind)
I recommend: VELCRO brand - industrial strength low profile 10' X 1" tape
http://www.amazon.com/gp/product/B000WFRMBI?psc=1&redirect=true&ref_=oh_aui_detailpage_o08_s00

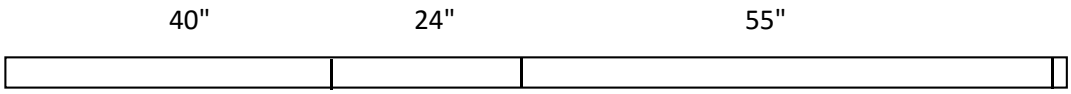
- **Acrylic Paint and brush**, at least 6 colors (optional) - this made for easy assembly but not mandatory for stand to be effective

Tools needed: - A miter saw/chop saw works great for cutting the PVC pipe, but most hand saws should work ok but could double the building time.

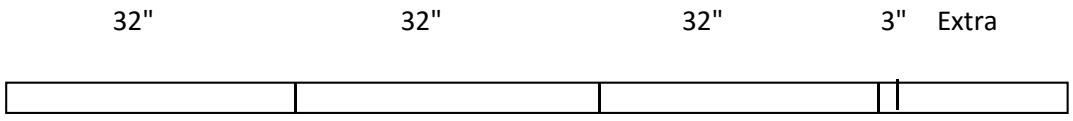
Time: - Plan on about 40 minutes with a power saw but painting could make it take a little longer. Plan on 30 minutes for attaching the story project to the PVC pipe frame with velcro. This is if you start with the foam core version of the Story Project.

Instructions

The 7 pipes will need to be cut as shown below. There will need to be 4 pipes cut as shown here:



and 3 more pipes will have to be cut as shown below:

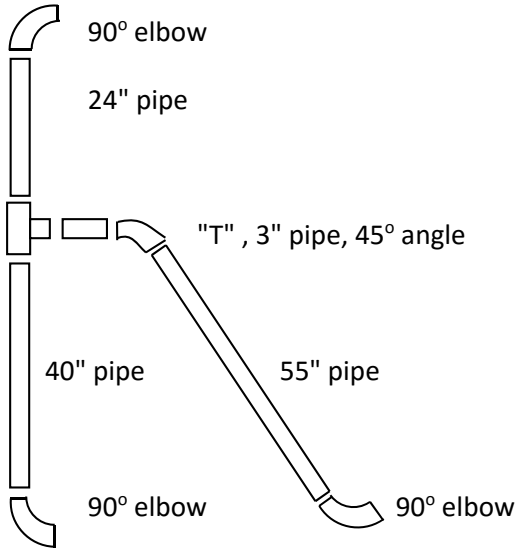


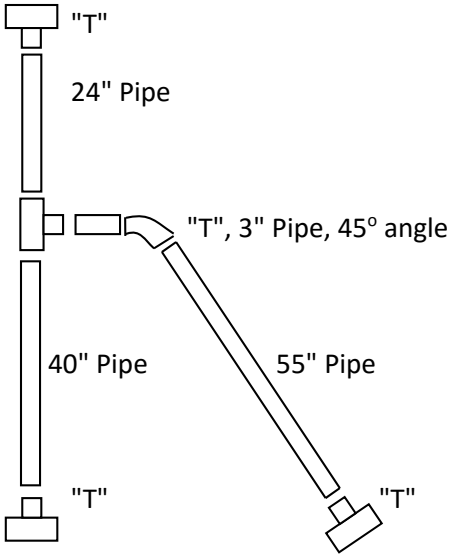
The below diagrams will make the vertical parts of the display stand. You will need to make 2 of each of them.

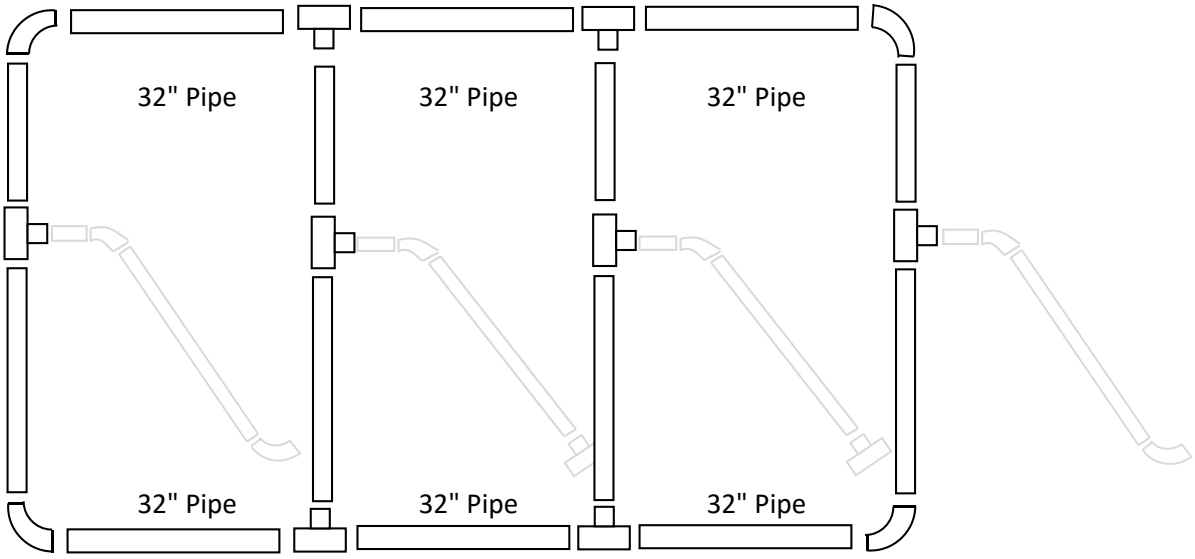
The 1st diagram will make the left and right side of the display board.

The 2nd diagram will make up the center 2 uprights.

These 4 uprights will need to be attached together at the top, bottom and back using the (9) 32" pieces. The last diagram will show what it should look like from the front.


90° elbow
24" pipe
"T" , 3" pipe, 45° angle
40" pipe
55" pipe
90° elbow
90° elbow


"T"
24" Pipe
"T", 3" Pipe, 45° angle
40" Pipe
55" Pipe
"T"
"T"


32" Pipe
32" Pipe
32" Pipe
32" Pipe
32" Pipe
32" Pipe

Please note that while the diagrams did not show it, (3) 32" pipes will be used to attach the back supports together.

Approximately 24" of the industrial strength Velcro should be applied on each of the (6) 32" pipes that are on the front. Additional industrial strength Velcro should be applied in 6" to 9" strips on the vertical front pipes. Apply the industrial strength Velcro before painting for best results.

The color coding can help with getting it put together quickly. I painted the back parts black, the top parts yellow and the bottom parts green. I then painted each upright its own color. The intersections have paint of both colors to denote the intersections. This is not needed but can be helpful for someone who has not assembled it before.

Some notes:

I chose 1.25" because it had most of the fittings that I wanted. 1" should work just fine if the needed fittings are available. This will make it lighter but also slightly more susceptible to wind.

In my building the back my hardware store did not have a "Y" fitting. Thus I used a "T", 3" pipe and a 45°. If your store has a "Y" fitting it would be fewer pieces to buy and assemble. Since many hardware store do not carry a 1.25 "Y" I made the plan as shown above. I do recommend the "Y" if it is available to you though.

Images of the finished product (with color coding and velcro):

Color Coding:

- I used yellow for the top (sun), green for the bottom (grass), black and various matching colors for the back and uprights, with a green stripe towards the lower uprights to show it goes towards the green bottom.
- You don't need to paint the entire post, just make sure that it's clear which posts go with which connecting points. It makes for faster assembly when you can paint it this way.
- When assembling, always make sure the velcro is facing out.

VELCRO: The most important spots to velcro are the tops and bottoms - so I used longer strips (about 24'' for the top and 9" for the bottom). The two middle uprights are difficult to velcro since you're matching 2 boards to one velcro strip, so as long as you have 3 sides for the outside panels velcroed down, and the middle panel secured on the top and bottom it should withstand the wind!

Recommended: Use duct tape or packaging tape for the board ends so the velcro sticks better and doesn't rip the foam core.