ROYAL® Trim & Mouldings

Build™

DO IT YOURSELF

Information Station

Skill Level	Estimated Cost	Time	Download PDF
	$45	4 Hours	

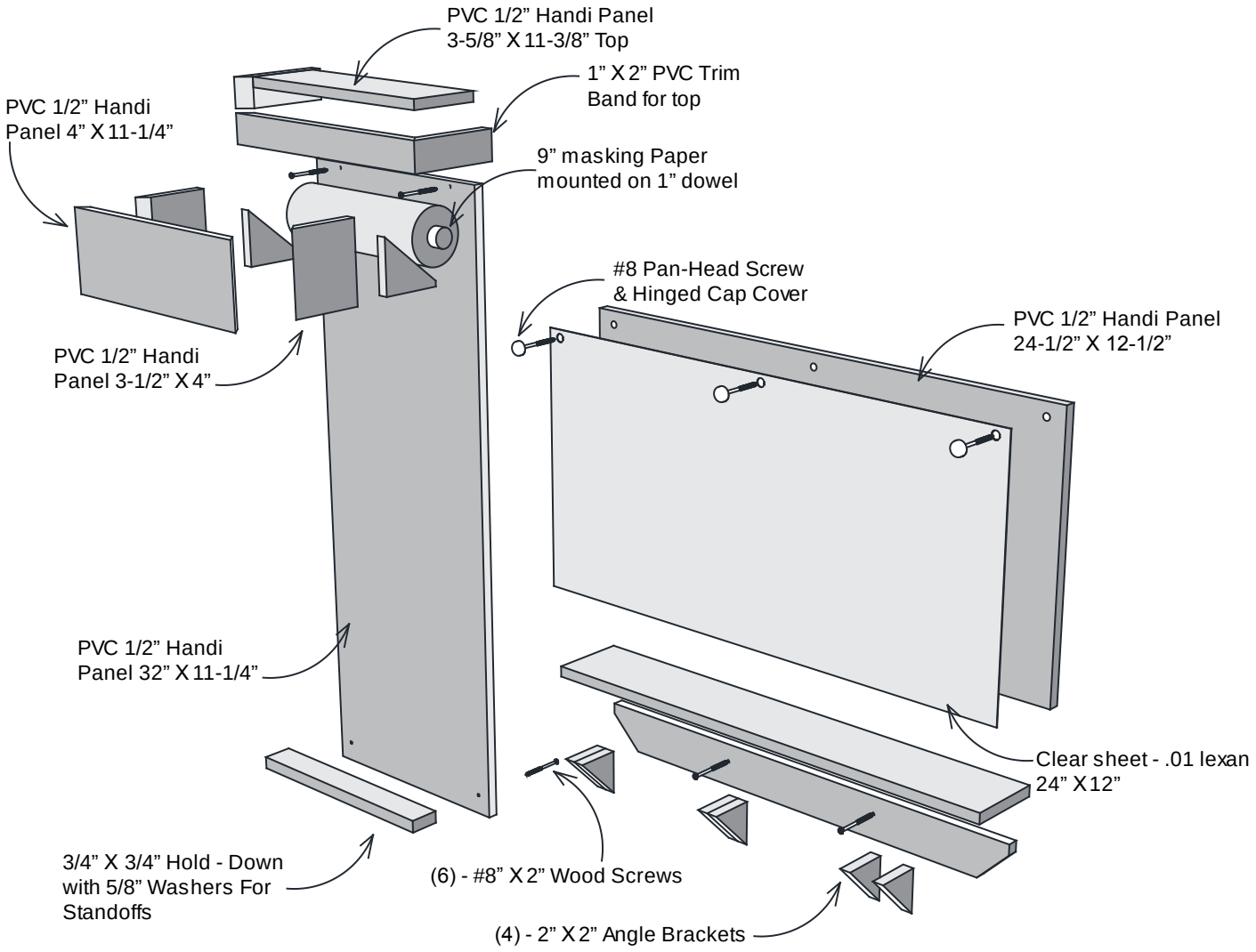
Information Station

This is a fun, quick project to organize your thoughts and keep you on track. Whether it's a Home Office or Kitchen communication board, you will find the flexibility of this tool useful. We are using PVC to create a paper roll holder, a white board and small shelf to hold supplies. The paper is inexpensive and versatile, and can be found in the paint section of your local hardware store (paint masking paper). The White Board uses the PVC as the pristine background for a PETG, Lexan or Plexiglas sheet (thickness and cost is personal preference). The attachment method of the clear sheet allows for documents to be mounted under the writing surface to provide a template, such as a blank calendar. Finally, a simple shelf will hold the various supplies used for your note taking.

Drawing - Layout

Tools

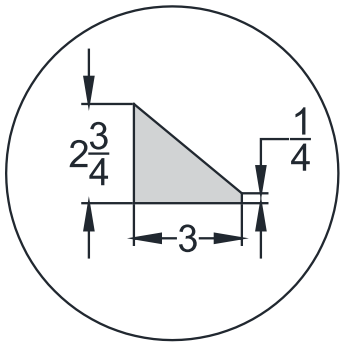
- Hearing Protection
- Safety Glasses
- Drill Bits
- Power Miter Saw
- Drill/Driver
- Jig Saw
- Table Saw or Circular Saw
- Tape Measure
- Sandpaper 150 Grit



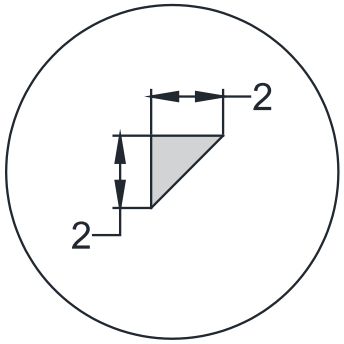
Drawing - Materials

Materials

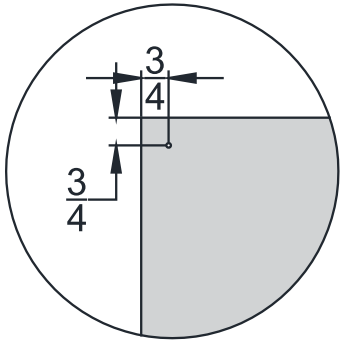
- 1ea – 2’ X 4’ X 1/2” Handi Panel
- 1ea – 1’ X 2’ X 3/4” Royal Trim Board
- 1ea – 9” X 180’ Masking Paper Roll
- 12” X 1” Wood Dowel
- 2ea – 5/8” Washers
- PVC Glue
- 24ea – 1” Weather-Resistant Pocket Hole Screws
- 6ea – #8 - 2” Wood Screws
- 12” X 24” Lexan Sheet (Cost varies with thickness)



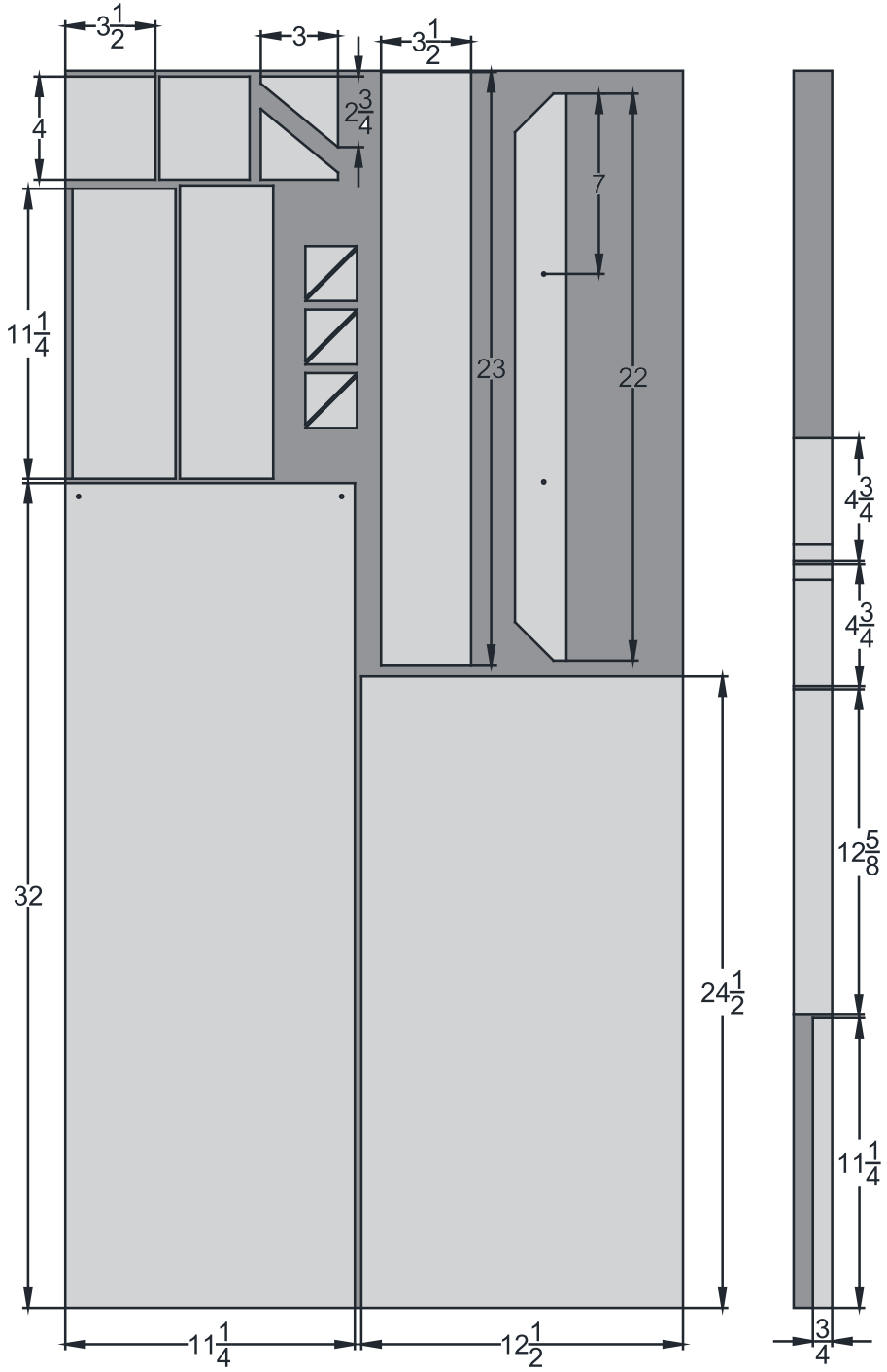
Paper Holder Brackets



Shelf Brackets



Paper Holder Drilling Detail



Step 1: Cut Board Parts

1.1 – Lay Out Panel

Using the drawing as a guide, layout the Panel as directed. A helpful hint:

If using factory cut panels, for the top, confirm the dimensions are correct and the board is square.

1.2 – Cut and Drill Parts

When cutting miters, pay attention to the embossed side of the product. The embossed side should face the interior or back of the project.

1.3 – Assemble Frame

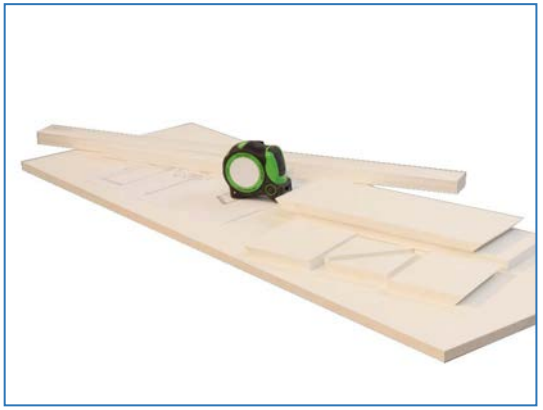
Using PVC Cement and CA glue, pre-assemble the paper holder.

1.4 – Assemble Frame

PVC Cement and wood screws are used to attach the paper holder. Predrill and countersink the wood screw to eliminate interference with the wall attachment.

Layout Panel

Cut and Drill Parts



Assemble Frame

Attach Frame

Step 2: Cut Board Parts

2.1 – Lay Out Panel

Install the angled support brackets for the paper roll.

2.2 – Cut Dowel

The dowel should be cut to 10”.

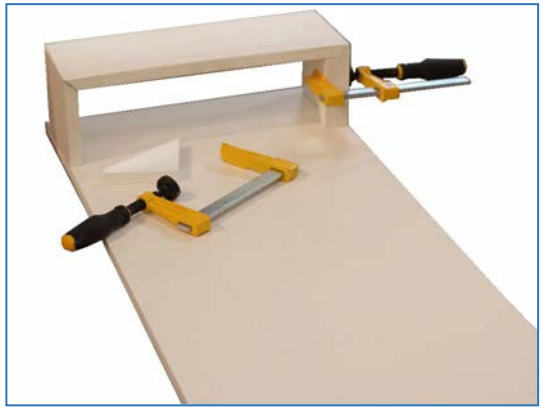
2.3 – Drill Base

Predrill holes at ¾” from the side and 1-1/2” from the bottom of the panel. Countersink the backside to ensure panel lies flat on the wall after hanging.

2.4 – Attach Paper Cutter

Using the washers as standoffs (to allow paper to pass through) fasten ¾” X ¾” PVC with wood screws.

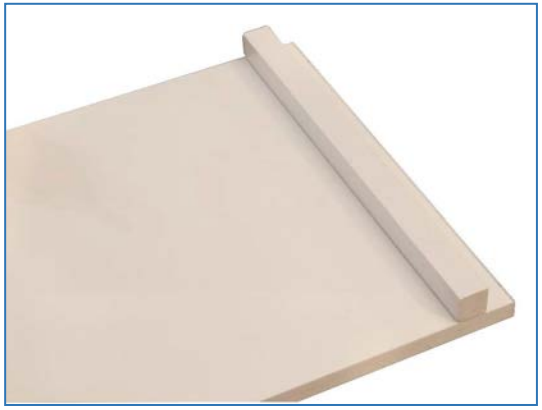
Attach Angle Brackets



Cut Dowel

Drill Fastener Holes

Attach Paper Cutter



Step 3: Topper and Whiteboard

3.1 – Topper Parts

Per the drawing, cut the parts from Handi Panel and 1' X 2' to make the topper. When cutting, make sure the emboss portion will be hidden after assembly.

3.2 – Assemble Topper

Gluing the pieces will eliminate the need to cover any fastener holes.

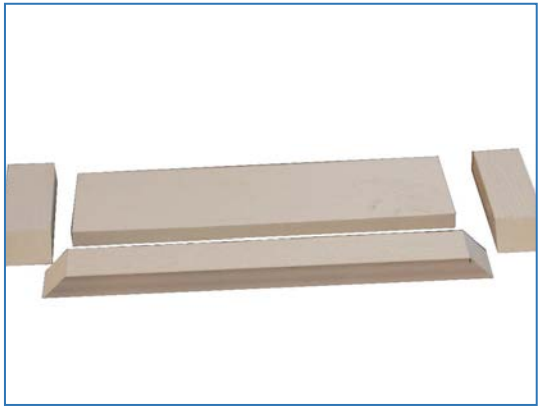
3.3 – Size the Whiteboard Panel

Cut a 12-1/2" X 24-1/2" section from the remaining portion of the Handi Panel. Drill ¼" holes ¾" from sides and top and place another hole ¾" from the top in the middle of the panel.

3.4 – Mark and Drill Plastic

The easiest way to mark the clear panel hole location is to align to desired location on the panel and trace hole locations. Depending on the type and thickness of Lexan or Plexiglas purchased you can ether drill or punch (paper hole punch) the fastening holes. NOTE: Make the hole in the clear panel slightly larger than the fastener (1/4" minimum).

Topper Parts



Assemble

Size the Panel

Mark and Drill Plastic

Step 4: Shelf

4.1 – Shelf Parts

Per the drawing, cut the parts from Handi Panel. When cutting, make sure the emboss portion will be hidden after assembly.

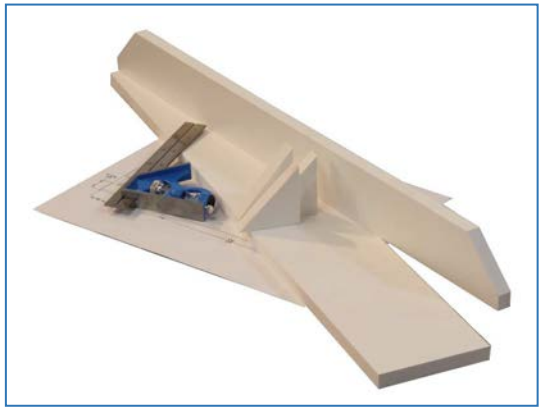
4.2 – Assemble Shelf

PVC Glue the back brace to the shelf, then add the angled supports.

4.3 – Hang Grouping

Attach the paper holder to the wall using wood screws and wall anchors (if required). Confirm the product is level prior to attachment. Next, level and position white board location. Mark the hole location on the wall and proceed with wall anchor install. You will sandwich the clear panel between the screw caps and panel during attachment. Do not over tighten. Finally, secure the shelf with wood screw and anchors utilizing the predrilled attachment holes.

Shell Parts



Assemble

Hang Grouping

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Build™

DO IT YOURSELF

Toddler Standing Sandbox

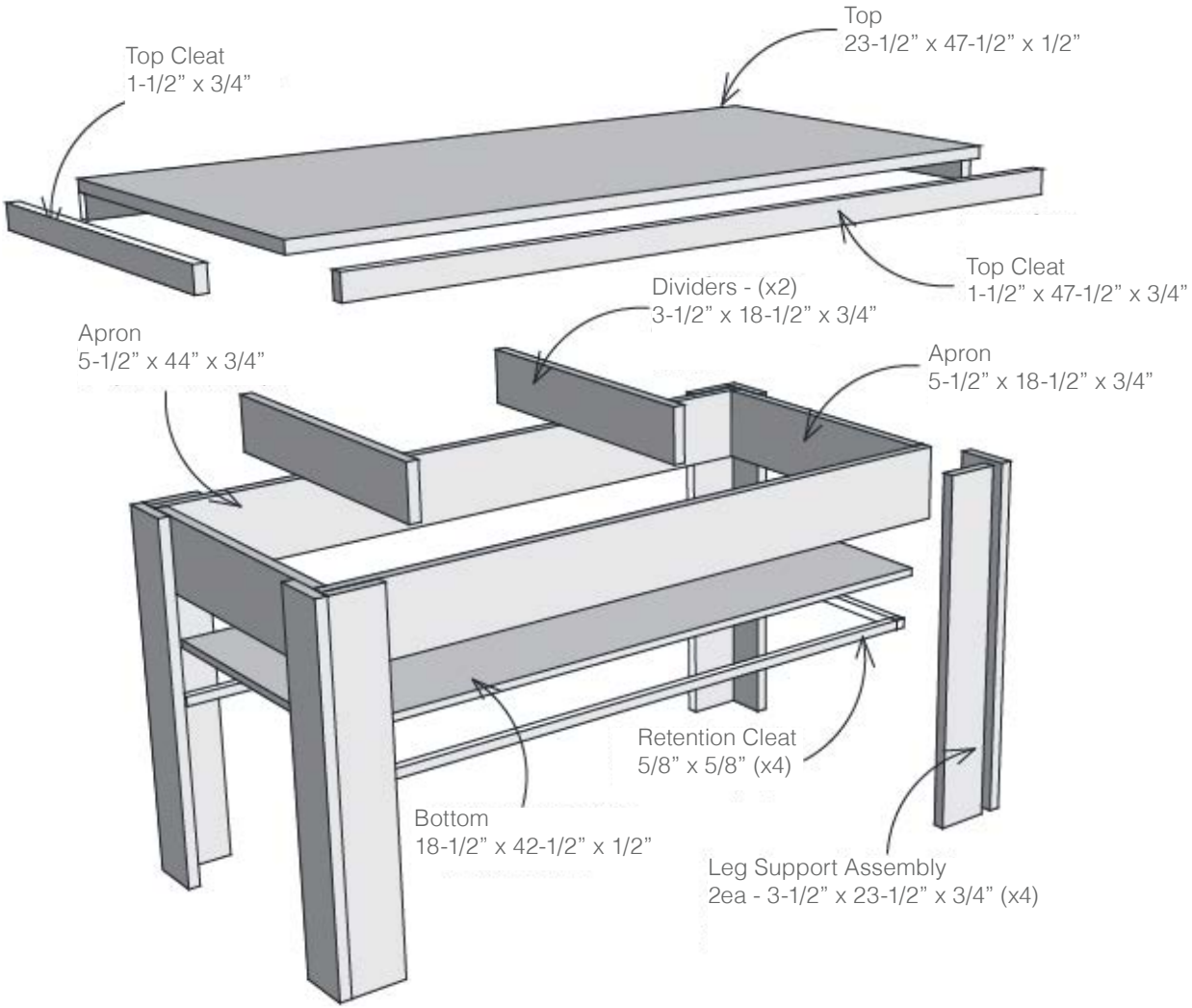
Skill Level	Estimated Cost	Time	Download PDF
	$165	4 Hours	

Toddler Standing Sandbox

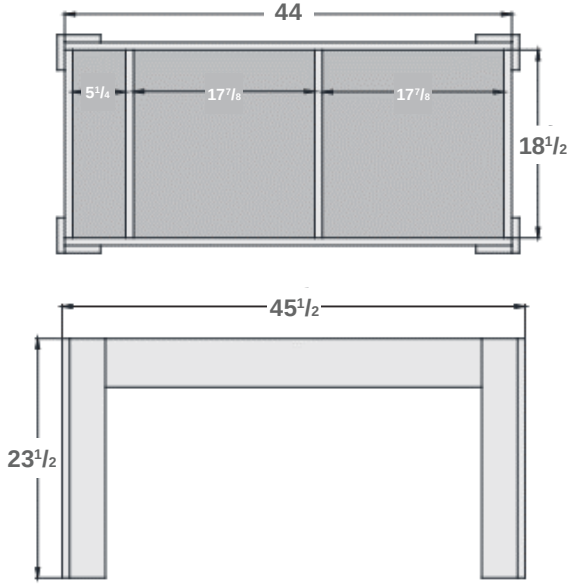
This is a simple weekend project with lasting benefits. This design keeps sand and stone where you want it, as well as provides a bit of storage for toys. The lid will keep everything dry when not in use.

As a secondary benefit, this project can function as an outdoor coffee table. Although it is a bit tall, at 24” it can be converted to an 18” height when the little ones outgrow the sandbox by simple removing a few inches from the legs.

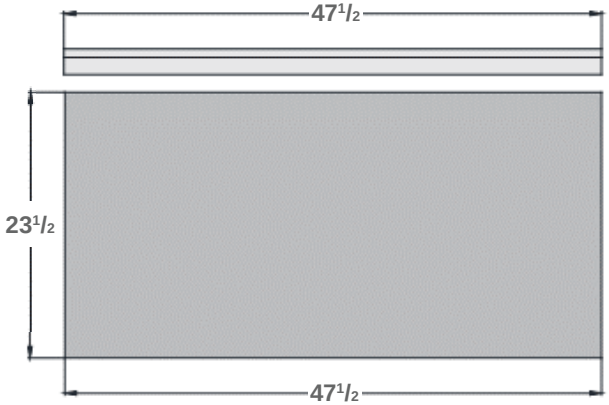
Drawing - Layout



Frame



Top



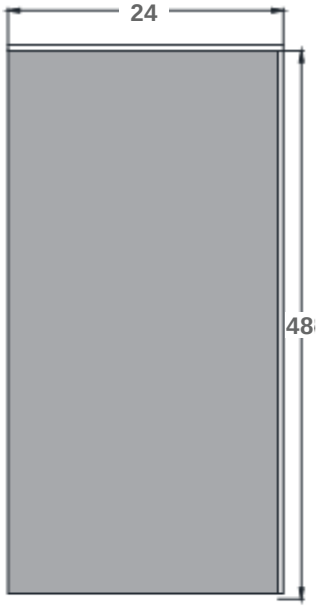
Layout Drawing - Materials

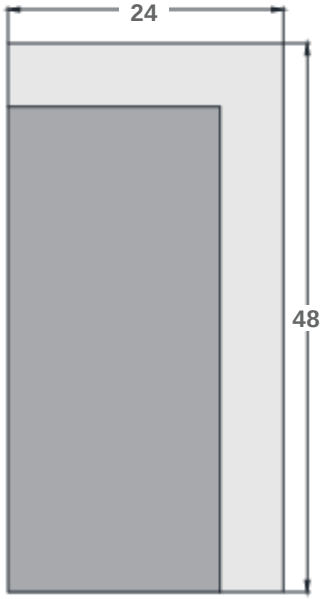
Tools

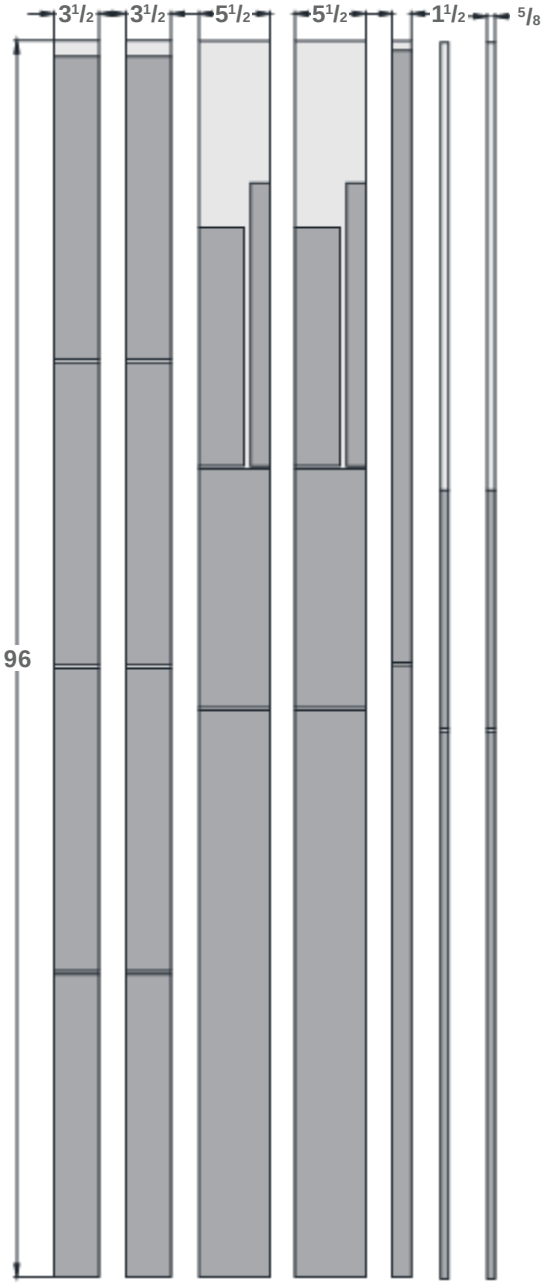
- Hearing Protection
- Safety Glasses
- Power Miter Saw
- Drill / Driver
- Table Saw or Circular Saw
- Tape Measure

Materials

- 2ea - 2’ x 4’x 1/2” HandiPanel
- 2ea - 1 x 4 x 8’ (3/4”) Royal Trim Board
- 2ea - 1 x 6 x 8’ (3/4”) Royal Trim Board
- 1ea - 1 x 2 x 8’ (3/4”) Royal Trim Board
- 2ea - 5/8” x 5/8” x 8’ Head Stop Trim
- #8 x 1-1/4” exterior Trim Head Screws
- PVC Glue







Step 1: Cut Parts

1.1 – Layout

Using the drawing provided, layout the parts. Remember to allow for the saw kerf (about 1/8”).

1.2 – Crosscut

Crosscut the frame parts to the appropriate lengths. We used a power miter saw, but a handsaw will work as well.

1.3 – Complete Frame Parts

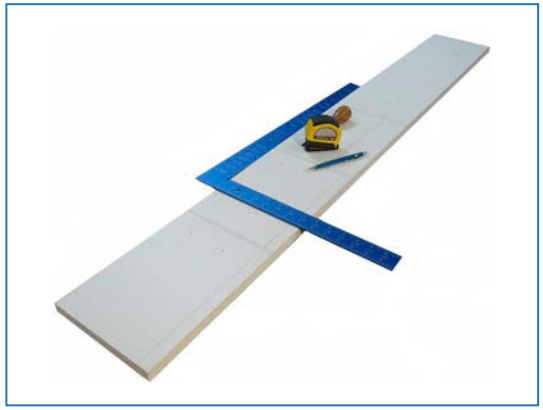
Continue the process to complete the parts for the frame.

1.4 –Rip

Rip the Top and Bottom portions of the build from the ½” panels.

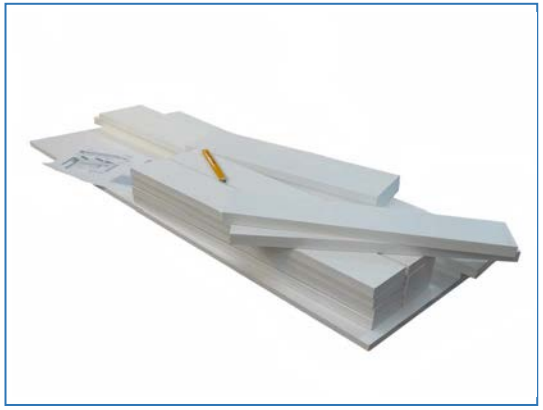
NOTE: ensure boards are square prior to making cuts, as factory cuts may not be perfectly 90°

Layout Frame Parts

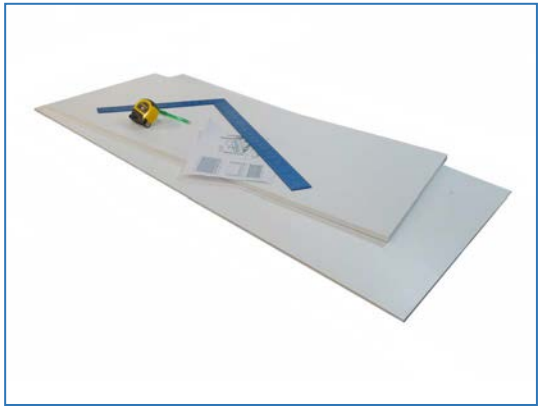


Crosscut

Complete Frame Parts



Rip Top and Bottom



Step 2: Assembly

1.1 – Assemble Legs

PVC Glue the 3-1/2” x 23” boards and clamp as shown in the photo

1.2 – Construct Main Frame

Using trim head screws and PVC Cement, connect the 5-1/2” x 44 & 18-1/2” boards.

1.3 – Install 5/8” Cleat

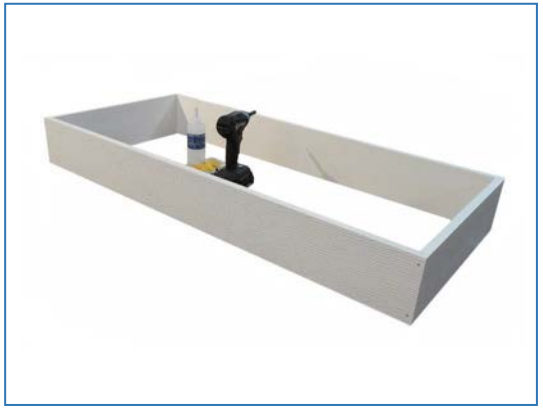
Install the 5/8” x 5/8” retention band around the bottom portion of the frame with trim head screws and PVC glue. This will be used to hold the bottom panel in place.

1.4 – Attach Legs

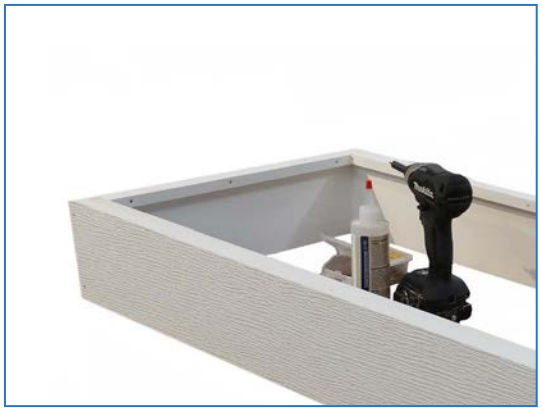
The legs are to be screwed and glued to the frame. Pay attention to the orientation of the legs, the widest side is to be placed on the longest side of the frame.

Assemble Legs

Construct Main Frame



Install 5/8” Cleat



Attach Legs

Step 3: Assembly

3.1 – Insert Bottom

Lay the frame assembly on its side and PVC Glue the bottom Panel to the 5/8” band.

3.2– Allow Glue to Cure

Stand frame upright and allow glue adequate cure time before moving to next step.

3.3 – Install dividers

Glue the dividers to the bottom and screw through sides of the frame to complete install.

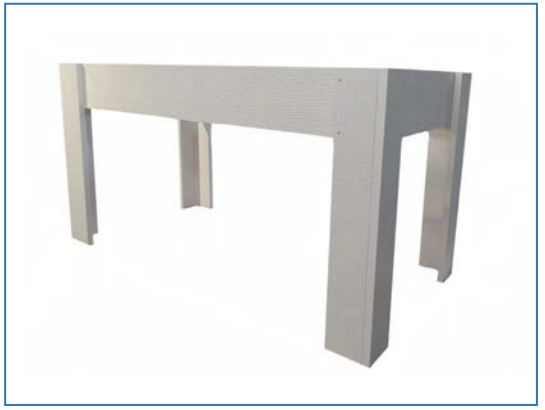
With spacers clamped in position, use the 2-1/2” trim head screws to secure the door and act as hinges.

3.4 – Band the Top

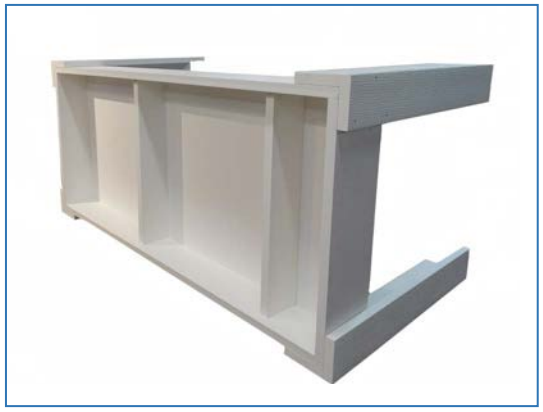
Fasten the 1-1/2” x ¾” band around the top panel using screws and PVC glue.

Insert Bottom

Allow Glue to Cure



Install Dividers



Band the Top

Step 4: Assembly

4.1 – Sand all Edges

PVC can have sharp edge after cutting, so it is important to sand all cut edges with 220 grit sand paper.

Attach Top

Completed Build

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