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# Cornhole Boards

| Skill Level | Estimated Cost | Time | Download PDF |
| --- | --- | --- | --- |
| | $145 | 1 Day | |

# Cornhole Boards

PVC Cornhole Boards, built to last. A few features are the collapsible legs, integrated cup holder and hanging system to mount on the wall.

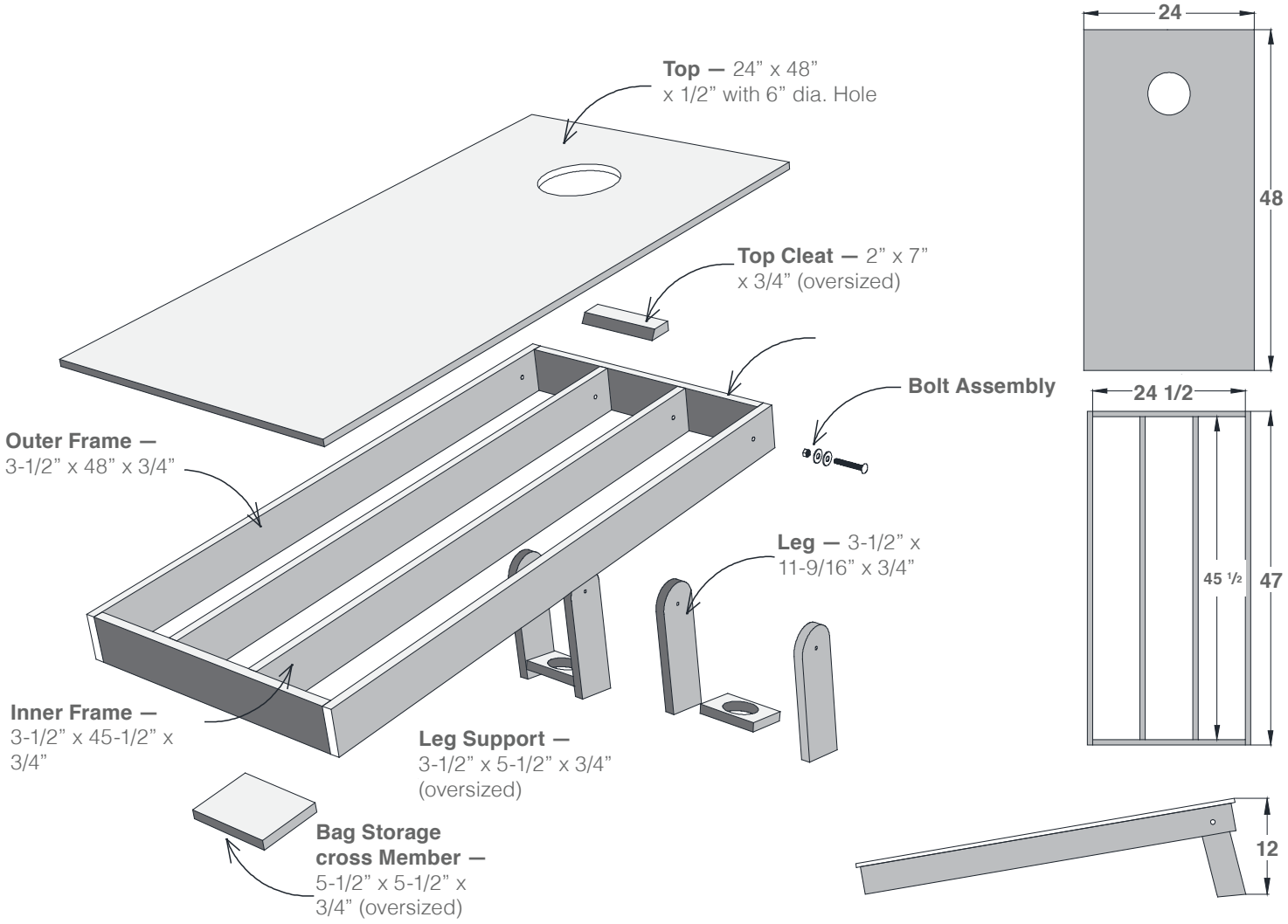
## Simple Backyard Rules

- Boards are placed 27ft from front edge to front edge.
- Games are played to 21 points.
- Woody: Refers to any cornhole bag that has been pitched and remains on the cornhole board playing surface at the conclusion of the frame. Each woody is 1pt.
- Cornhole – Refers to any cornhole bag that has been pitched and passes through the cornhole board hole at anytime within the frame. Each cornhole is 3pts.
- A bag that comes to rest touching the ground AND the board does not count as a point.
- Cancellation Scoring: The approved method of scoring for the sport of cornhole is “cancellation” scoring. In cancellation scoring, the points of one player cancel out the points of their opponent. Using this method, only one player/team can score in each frame.
- Both players play one board at a time, and stay in their designated lane for the whole game (right or left).
- Players start the game at board 1 and alternate pitching bags until each player has pitched all (4) of his/her bags.
- Players then walk to the end of their lane to the other board, take score, and resume pitching back to the other cornhole board.
- Players must deliver the bag with an under-hand release.
- Feet must stay behind the line of the front of the board at the time of releasing the bag.
- The player/team who scored in the preceding frame pitches first in the next frame. If neither player/team scores, the player/team who pitched first in the preceding frame shall retain first pitch in the next frame.
- If bags become piled inside the cornhole board hole and may interfere or obstruct with the next pitch or if there is question whether a cornhole bag would have naturally fallen through the hole, a player may request to “rake” the cornhole bags

# Drawing - Layout

**Tools**

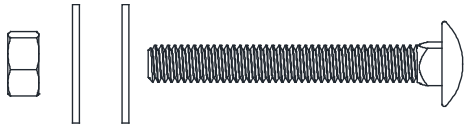
- Hearing Protection
- Safety Glasses
- Drill Bits
- Power Miter Saw
- Drill/Driver
- Jig Saw
- Table Saw or Circular Saw
- Tape Measure

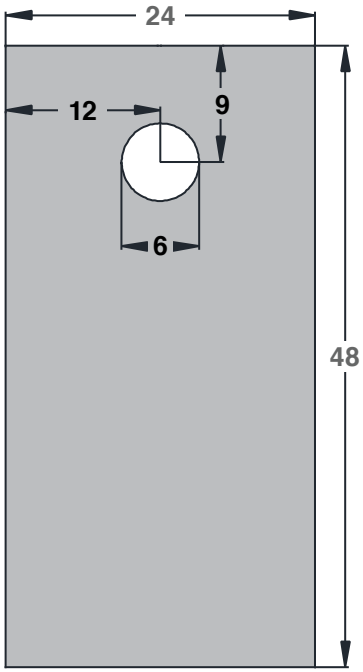


# Drawing - Materials

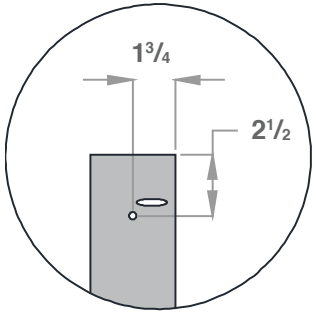
- 1/2”x2’x4’ HandiPanel
- 2ea 1’x4’x8’ (3/4” Thickness) Royal Trim Board
- 1ea 1’x8’x8’ (3/4” Thickness) Royal Trim Board
- 8ea – 5/16” x 21/2” Galvanized Carriage Bolts
- 8ea – 5/16” Galvanized Nuts
- 16ea – 1” Galvanized Washers
- PVC Glue
- 24ea 1” weather resistant Pocket hole screws
- 12ea 2” weather resistant trimhead screws

## 4ea - Bolt Assembly

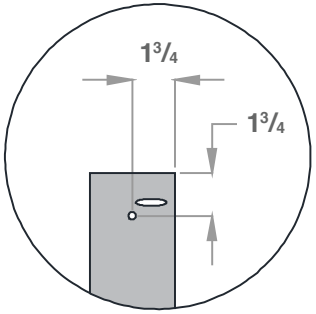




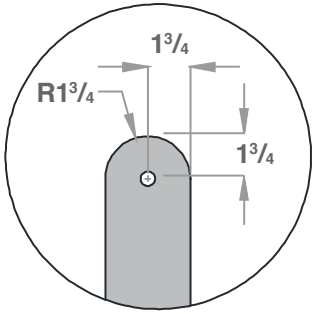

## Drilling Details



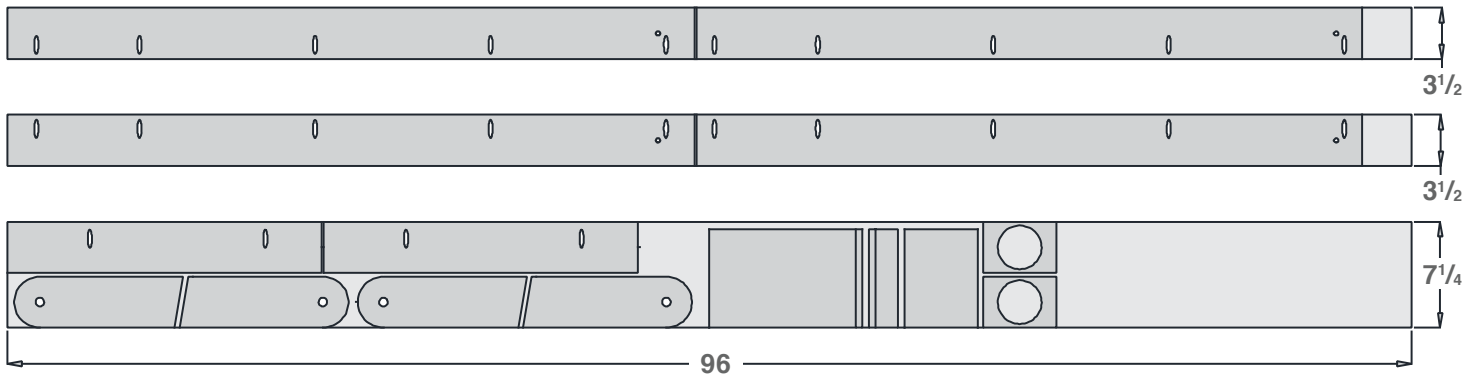

Outer Frame




Inner Frame




Leg



# Step 1: Cut Board Parts

**1.1 – Cut Board and Frame**

Using the drawing as a guide, cut the board top and the framing members to size. A few helpful hints:

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

Stack the frame parts (4 of each length) and cut them on a chop saw with a single cut, this will ensure accuracy.

**1.2 – Drill Leg Mount & Pocket Holes**

Drill all pocket holes NOTE: pay attention to the board orientation. The boards should mirror each other.

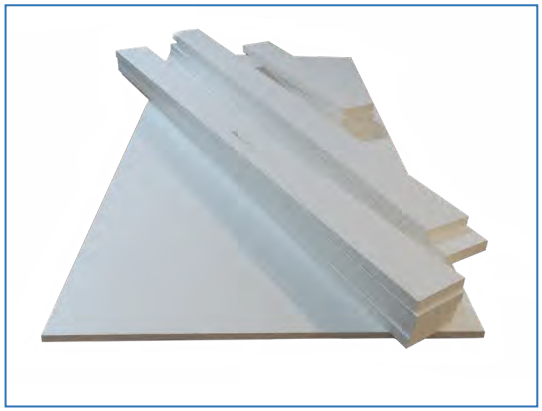
Per the drawing – mark and drill the holes for the legs. If you try to drill after assembly it will require a shorter than standard drill bit

**1.3 – Assemble Frame**

Using PVC Cement and wood screws to assemble the frame. Take note of the board orientation during construction – pocket hole pointing down and on the inside of the structure.

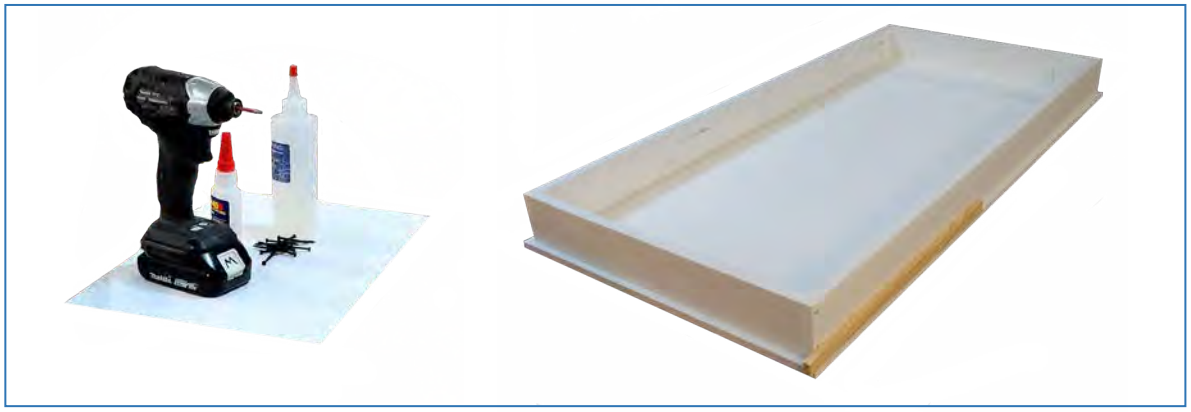
After assembled we cut a spacer block to gauge the distance between the board top edge and the frame. The spacer will be utilized.

## Cutting Board and Frame



## Drill Leg Mount & Pocket Holes

## Assemble Frame and Pre-fit



# Step 2: Assemble Body

**2.1 – Glue Frame to Board Top**

Using the frame as a guide, mark the location of the frame on the back of the top and apply PVC cement to the marked area.

**2.2 – Attach Frame**

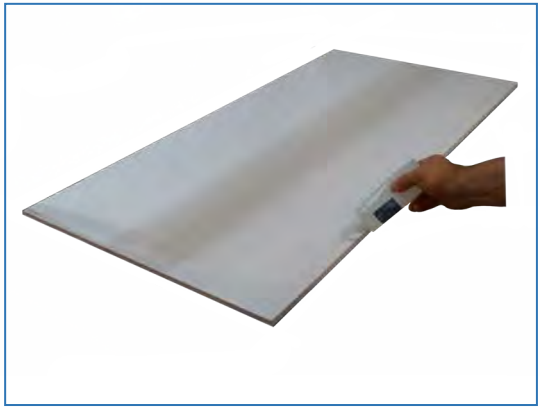
Secure frame using 1” Kreg Pocket Hole All weather screws (course thread) .Utilize the gauge block for spacing and clamping the frame to the top.

**2.3 – Install Interior Supports**

Use the same technique (PVC cement and Screws) to fasten interior supports.

NOTE: cut a spacer block to hold the position of the framing during installation.

## Glue Frame to Top



## Attach Frame with Screws

## Install the Interior Supports


# Step 3: Assemble Body

**3.1 – Hole Layout**

On the face of the top, layout the center line of the circle. 9” from the top and 12” from the edge.

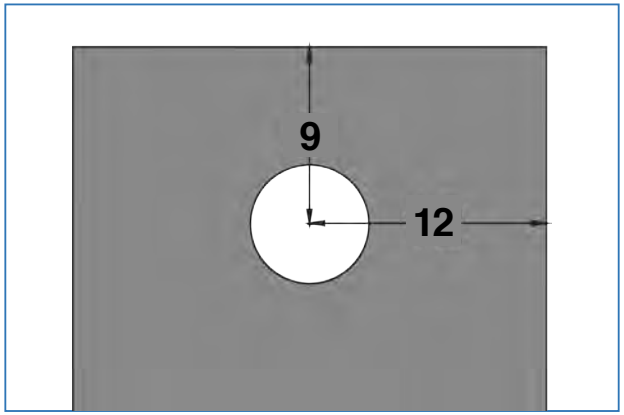
**3.2 – Draw 6” Circle**

Use a compass to mark the circle using the centerline as reference. Set the compass at 3” to create a 6” diameter circle.

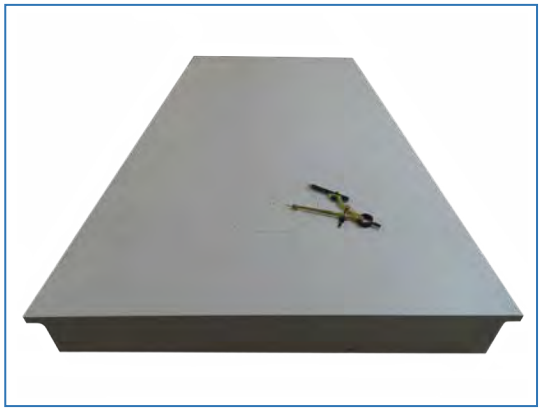
**3.3 – Cutting**

Cut the hole with a jigsaw. Drill a ½” diameter hole to start the jigsaw cut.

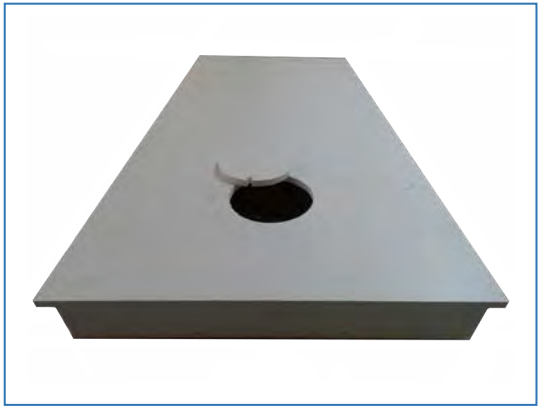
## Hole Layout




## Draw 6” Circle



## Cutting



# Step 4: Attaching the Legs

**4.1 – Insert Bolt and Washer**

The leg assembly will require a washer between legs and frame to allow folding for storage.

**4.2 – Attach Legs**

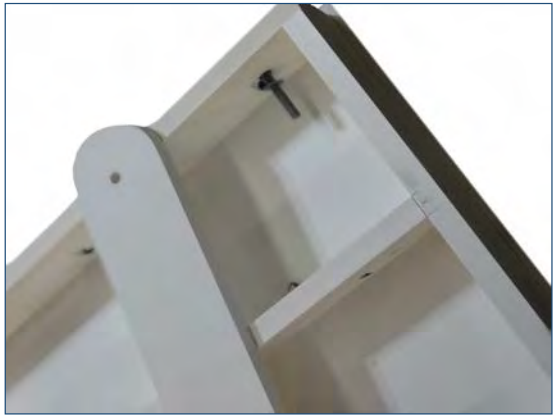
Slide the leg over the bolt and against the washer; place another washer and the nut on the bolt. Tighten snugly with a wrench.

**4.3 – Repeat Process**

Use the same routine for the remaining legs

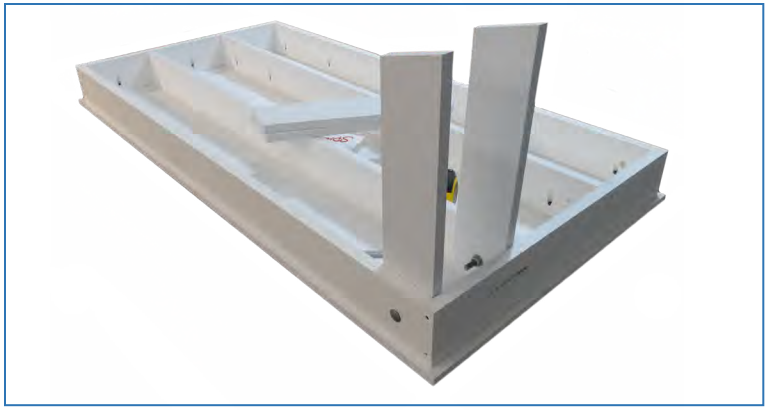
NOTE: the interior leg should mounted on the inside of the inner framing support.

## Insert Bolt and Washer



## Attach Legs

## Repeat Process



# Step 5: Leg Supports

**5.1 – Measure Support Length**

The distance between the legs will vary due to support location, washer assembly and tightness of bolts. Measure distance on all leg assemblies.

**5.2 – Cut and Bore**

Cut 3-1/2" X ¾" PVC boards for each leg assembly.

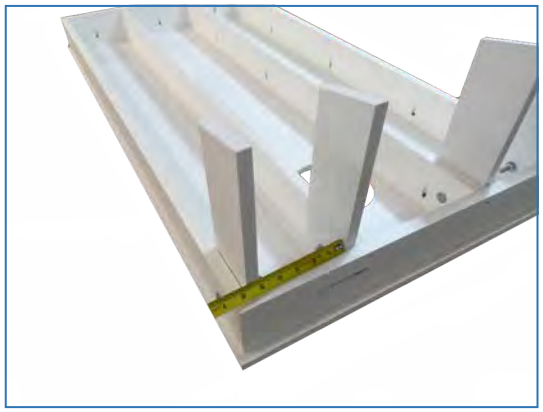
OPTION – use 3" hole saw to cut a circle in the center of the support. This will act as cup holder during play.

**5.3 – Attach to the Leg Assembly**

Attach support with PVC glue. Fasteners (nails or screws) are an option.

NOTE: use scrap material (3/4") as spacers under the support block to provide proper offset during the clamping process.

## Measure



## Cut and Bore

## Attach to the Leg Assembly

# Step 6: Wall Hanger / Bag Storage

**6.1 – Measure Support Cleat Length**

The distance between the frame supports could differ, so measure each board for proper fit. The portion of the cleat system to be mounted to the wall should be ripped ½" narrower that the support cleats. This will aid in the hanging of the boards.

**6.2 – Cut and Bore**

Cut the top cleat and mount it to the supports with PVC glue and screws

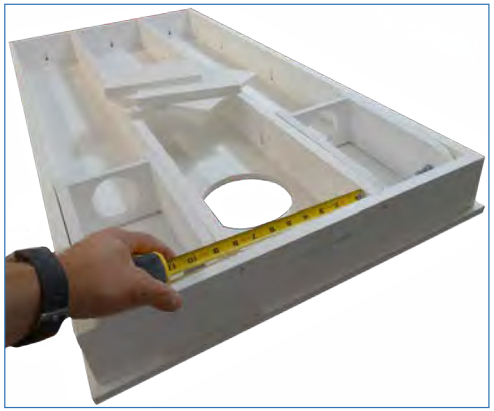
NOTE: this part is directional, so make sure the angled side is facing the back of the board.

**6.3 – Attach to the Leg Assembly**

Using the same measurement as the top cleat, cut the cross member for the bag storage compartment. Mount it to the bottom portion of the interior support frame.

NOTE: Leaving a ½" gap at the bottom of the bag storage cross member with allow water and debris to escape.

## Measure



## Cut and Fasten

## Attach Cross Member

# Step 7: Hanging the Boards

**7.1 – Mount the Cleat**

Mount the Hanger Cleats to the wall using an appropriate securing system. Self-drilling wall anchors were used for this sheetrock application.

NOTE: the cleat should be fastened 2-1/2” below desired height of the board and allow 24-1/2” between cleats for clearance.

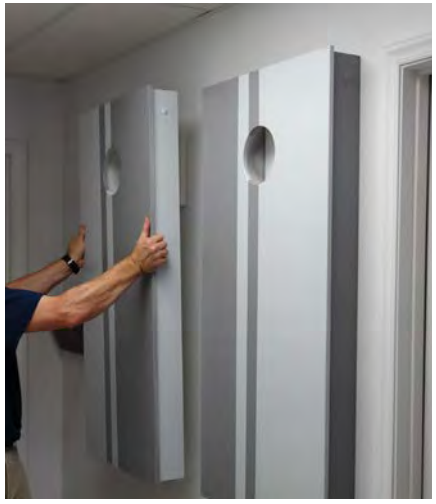
**7.2 – Hang the Board**

Place the bags in the storage compartment and lift the boards into place for storage and/or display.

**7.3 – Finished Product**

## Measure

## Hang the Boards



## Finished Product

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