

# HART™



## Pegboard Mirror

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## PROJECT PLAN

**Finished Dimensions:** 48"W x 57"H x 3/4"D

**Skill Level:** Beginner

# Materials

Item	Qty
3/4" x 4' x 8' Plywood Sheet*	1
1" x 3" x 8' Board*	1
1" x 1" x 48" Wood Dowel	1
Construction Adhesive	1 tube
2-1/2" Wood Screws	1 box
1-1/2" Wood Screws	1 box
1-1/4" Wood Screws	1 box
Wood Glue	1 bottle
13" x 49" Rectangle Mirror ( <a href="#">purchase from Walmart here</a> )	1

\* Board Dimensions are "nominal." Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.



A select/premium board or plywood comes with a smoother surface finish. It is clear or has very few tight knots, and it will have straight and sharp edges. This grade of wood pairs well with other boards or panels better and requires less time to sand and finish.

# Tools Used



Miter Saw



Circular Saw



Drill/Driver



Impact Driver



Orbital Sander



4.0Ah Battery



Fast Charger



Hole Saws



Tape Measure



Stud Finder



I-Beam Level



Chalk Line



Saw Horses



Safety Glasses



Markers

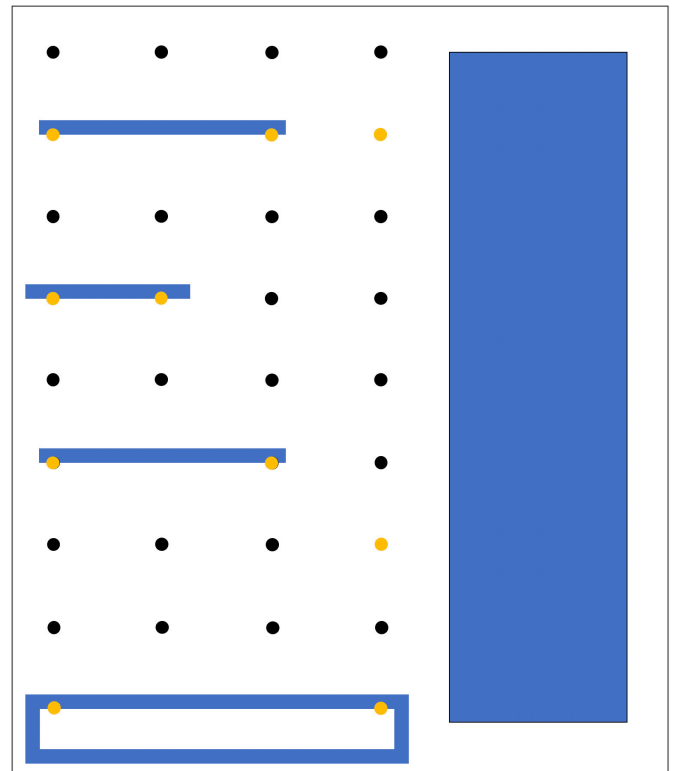
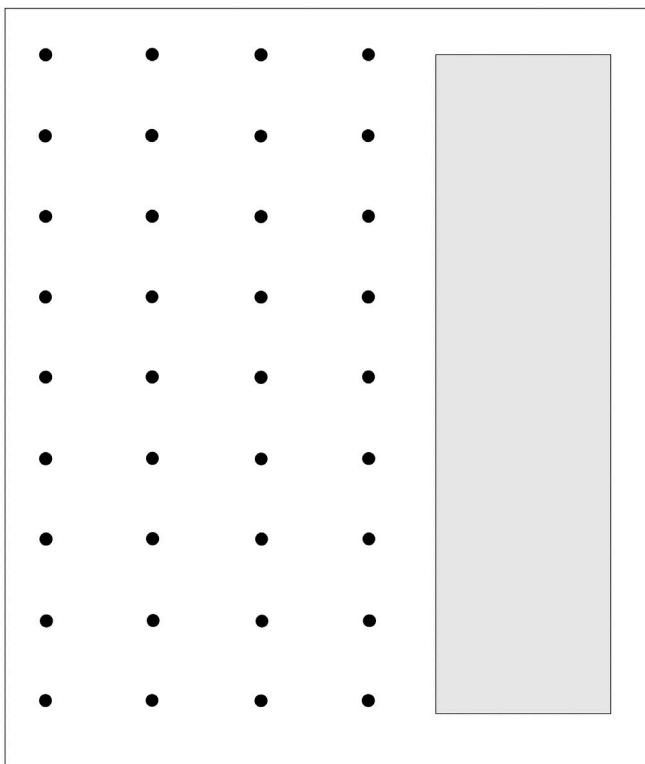


Battery Tip: A 4.0Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

# Lumber Cut List

Board*	Description	Cut To	Qty
1" x 3" x 8' Board*	French Cleat	46" bevel edge at 45°	2
1" x 3" x 8' Board*	Spacers	2"	2
3/4" x 4' x 8' Plywood Sheet*	Pegboard & Mirror Backing	48" x 57"	1
3/4" x 4' x 8' Plywood Sheet*	Shelf #1	11"	1
3/4" x 4' x 8' Plywood Sheet*	Shelf #2	20-1/2"	1
3/4" x 4' x 8' Plywood Sheet*	Box Shelf (Top/Bottom)	27"	2
3/4" x 4' x 8' Plywood Sheet*	Box Shelf (Sides)	4"	2
1" x 1" x 48" Wood Dowel	Shelf Holders	7-3/4"	4
1" x 1" x 48" Wood Dowel	Yoga Mat Holders	4-3/4"	2
1" x 1" x 48" Wood Dowel	Jump Rope Holders	3"	2

\* Board dimensions are "nominal." Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.



# Assembly Instructions

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## Step 1

Place the 4x8 plywood sheet on a pair of sawhorses. Since we will be drilling holes through the sheet, we need the bottom free from any surfaces.

Use your circular saw to cut down the sheet to 4 x 4-3/4. This should fit a standard hanging rectangle mirror, which you can buy at Walmart for less than \$10.

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## Step 2

Use a pencil and tape measure or ruler to mark your measurements on the plywood sheet.

Start at the top-left and measure 3" down and 3" in from the left side. This will be the first hole of your top row. Continue marking your first row by measuring 8" to the left to make your second column and continue this until you have four columns.

To create your rows, measure 6" down from your first hole. Continue this down your sheet until you have 10 rows. Then mark the remainder of the columns.

Remember that your mirror will be placed on the right-hand side of the board, so don't make holes across the entire board.

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## Step 3

Once all your measurements are marked, it's time to drill your holes! Put on your safety equipment, grab your drill and your 1" Forstner bit or hole saw, and begin drilling your holes through.

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## Step 4

Now it's time to make your pegs.

Cut down your 4' dowel rod into (4) 7-3/4" pieces, (2) 4-3/4" pieces, and (2) 3" pieces.

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## Step 5


For the shelving, use the leftover from your plywood sheet. The width of each shelf will be 7-1/4". Cut (1) shelf to 11" long and the (1) shelf to 20.5" long. Again, these can be cut to what will fit your needs best; these are just the measurements that worked for our layout.

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## Step 6

Use any remaining plywood (you can also use a 1x8 if you have it lying around) to create a storage box for gym towels. You'll need (2) pieces cut to 27" and (2) pieces cut to 4".

To assemble the box, use wood glue to connect the pieces. Let the glue dry, then use 2-1/2" screws to secure the box on the pegboard. We placed ours 2" in from the left side and 2" up from the bottom.

 **Tip -** Screw in your box from the back of the pegboard to avoid splitting the wood.

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## Step 7

Sand all down all surfaces of the pegboard and shelves and ensure there aren't any pencil or chalk line markings showing.

Be sure to wipe everything down to remove any sawdust so that the construction adhesive sticks to the wood without wood particles getting in the way.

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## Step 8

Cut down your 1x3 board to (2) 46" boards. Set your miter saw blade at 45-degrees to create a beveled edge all along the side. Do this for both boards.

Use the remaining 1x3 to cut (2) 2" pieces to use as the spacers for your cleat.

 **Tip -** If you use a circular saw to create your cleat, use it against a clamped straight edge. Turn the blade to 1/4" and cut along the piece.

## Step 9

Glue and screw in one cleat anywhere on the top area of the back of the plywood sheet. The second cleat will go into the wall—find your studs and screw in with 2-1/2" screws. Use a level to make sure your cleat is straight before screwing it to the wall.

You can use wood glue to secure the spacers to your plywood's bottom corners—no need to use screws here!

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## Step 10

The mirror is very fragile, so we've left it as the last step of the assembly before the pegboard is hung on the wall.

Center the mirror 5" in from the right side and 5" up from the bottom. Once centered, use construction adhesive to stick it on to the plywood. Wait for the glue to dry completely before hanging the pegboard.

For reference, once hung, our pegboard sat at 7 ft. from the floor.

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## Step 11

Once your pegboard is up on your wall, you can have fun with customizing in your style! We used pegs to hold jump ropes and yoga mats, use the box shelf to store our gym towels, and used the two shelves for decor and other workout necessities accessories!

If you get bored of the layout or add new equipment to your home gym, no problem! Just move the pegs and shelves around for a refreshed look.