

# HART™



## Floating Bookshelf

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## PROJECT PLAN

**Finished Dimensions:** Varies

**Skill Level:** Beginner

# Materials

Item	Qty
1"x 4" x 8' Board*	1
3/8" x 3/4" x 96" Half Round Edge Molding	1
Brackets	2
2" 18-Gauge Brad Nails	1 box
Wood Glue	16 oz. tube
1" Drywall Screws	1 box
Clamps	As needed

\* 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



Orbital Sander



Brad Nailer



Drill/Driver



Tape Measure



I-Beam Level



Stud Finder



Drill Bits



Work Gloves



Work Table &  
Clamps



Safety Glasses



Carpenter's  
Pencil

**Also Need:**  
Rafter Square

**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 4" x 8' Board*	Back Board	36"	1
1" x 4" x 8' Board*	Bottom Board	36"	1
3/8" x 3/4" x 96" Moulding	Half Round Dowels	3"	50-60

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

## Assembly Instructions

### Step 1

Using a miter saw to cut down your 1x4 into two 36" pieces, creating your shelf's back and bottom boards.

### Step 2

Sand the boards smooth using an orbital sander.

### Step 3

Cut your 3/8" x 3/4" x 8' half round edge molding into 3" pieces using your miter saw. You'll need 50-60 pieces.



Tip - Use a stop block to ensure multiple, identical cuts of the same size.

### Step 4

Using a brad nailer, 2" brad nails, and wood glue, secure your two (2) 36" 1x4 pieces to each other. Clamp as needed to dry.

### Step 5

Using a rafter square to ensure the boards are square to 90°.

## Step 6

Attach your 3" pieces of molding to the bottom board using wood glue.

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## Step 7

Ensure all pieces are level with an I-beam level.

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## Step 8

Now's the time to paint your shelf if you choose. Make sure your paint or stain is fully dry before you mount the shelf.

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## Step 9

Use a stud finder to locate the middle of the two studs you will use to secure the shelf and mark this point with a carpenter's pencil.

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## Step 10

Using your two brackets, secure the shelf to the wall using your drill and 1" drywall screws.

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## Step 11

Use an I-beam level to ensure the shelf is mounted level.

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## Step 12

Stock with books to read to your children and grandchildren!