Acoustic Guitar Stand

Materials:

2 17 7/6" x 14 ¼" x ½" plywood board (A)
2 11" x 10 ¾" x ¼” plywood board (B)
1 11 3/16" x 5 13/16" x ½" plywood board (C)
1 10 ¾" x 5 7/16" x ¼” plywood board (D)
1 10 ¾" x 4 15/16" x ¼" plywood board (E)
1 4 15/16" x 3 ½" x ½” plywood board (F)
1 11” x 5 ¾” x 1/8” HDPE plastic sheet
2 2 ½” PVC pipe 6” long
1 3” Dia. 1lb lamp weight
2 self-adhesive pick holders
1 Drawer pull with hardware

Wood glue
Wood screws
Wood putty
Foam tape
Double-side adhesive tape
Sand paper
Wood stain
Polyurethane
Paint brushes
Steel wool
Clean white rags

Tools:

Router with bits
Jigsaw with blades
Drill with bits
Compass with pencil
Screwdrivers
Yard stick

Procedure:

Mark both boards A with center points for PVC pipes according to sketch.

Use compass to mark 2 ½” inner circles for pipes on both boards A, and 2” radius circles for edges on one board A only.

http://guitar.lovetoknow.com/Guitar_Stand_Plans
Draw line from bottom edge to intersecting edge of forward circle on same board A and use compass to mark large 9 ¼" radius in between 2" radii on same board A.

Use jigsaw to cut out shape of marked board. Trim and sand to shape. Use completed board A to mark outside edges of second board A. Cut, trim, and sand to match.

Use router to cut 1/8" deep grooves inside 2 ½" inner circles for pipes. Check pipe fit, trim, and sand grooves as necessary.

Drill screw holes into the base of both boards A. Glue pipe ends into grooves of both boards A and screw board C into base of A using wood screws. Let dry.

Mark one board B with 9 ¼" radius from top 4" side to front 3 ½" side. Use jigsaw to cut out radius.

Trim and sand edge to shape and mark on second board B. Cut, trim and sand to match.

Drill two screw holes in front and bottom of both boards B, five screw holes in sides and bottom of board E and holes for drawer pull in center of board E.

Screw board D to bottom, board F to front, and board E to back to complete drawer.

Sand both pieces smooth, clean, stain, and lacquer. Use steel wool to buff and repeat lacquer if necessary.

Secure weight to front of drawer with screws and attach drawer pull with hardware. Wrap pipes with foam tape and use adhesive tape to attach plastic sheet to top of board C. Enjoy!