

# Phase Three

The Pedestal And Table Connection ( continued )

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## Phase Three

The Pedestal And Table Connection ( continued )

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Lets move on to the legs. I went with a straight leg design. Get a piece of Plywood scrap and make a template. Cut a 18 degree angle on one end. Measure 24" to end and make mark. Mark 18 degree angle at what would be the foot of the leg (See Picture). Using a 3" can mark a radials. Using compound saw and jig saw shape the template. Pick up the pedestal 4" and test the fit of the temp. Cut your 6/4x4" stock 24" and trace the temp onto all four pieces. With compound and jig cut all four. Add a 1/8" on the radials, this we will bring in with the belt sander. Sand down the radials and bring out the router. Router the edges with your 3/8" bit. Remember not to router the edge that connects to the pedestal.

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Move it all to the floor and do a dry fit. The underside of the leg could be anywhere from 1" to 2" from the bottom of the pedestal. Adjust to what suits you. Next mark for the 1/2" lag bolts on the legs and thru holes on the pedestal. Transfer the marks to the pedestal (1/2" hole on pedestal & 7/16" in the legs) and make all your holes. Put it all together and check you fit. Mark your legs to what side to keep. If a little off level just leave it alone for now. We will level the pedestal later with adjustable pads.

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Remove the legs and put aside. Pedestal base and box top next. Remove the clamps from the two 3' boards you joined earlier. Cut it in half so you have two 17"x18" pieces. One will be part of the base and the other to be the base for the box top. Clean up the dry glue and place the pedestal on top even on all side. Trace the outline of the pedestal on the board. Find some oak scrap and glue to one of the boards. This is to add thickness to the bottom base cap. Lay it out so the graining all faces the same way. Once dry remove the clamps and add 3/4" to the outline. This line is where you will cut at the compound saw. Once done hit with your router followed by the sander. Router both the top and bottom of the piece.

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Find your hammer and a good wood chisel. You need to chisel out a small channel on the base. Measure 1-3/4" from your line inward. Using a circular saw set only 1/8" trace the line around the base. With care chisel out the channel. Keep the outside line very clean. Take your time doing this. If you chip the end save the chip, we can repair it with glue and a clamp. Check it for fit. Once done hit with your router followed by the sander. Router both the top and bottom of the piece with your 3/8 quarter round bit.

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The table and pedestal connection is done with a "Box Within A Box" system. Cut the 1x6 board into four even pieces. These are the sides take will make up the pedestal box along with the other 16x18 board you have left. I used my radial arm saw to cut a groove on all four pieces. Trim the bottom of the box to 16"x16" and cut 45 degree angles for the box sides. Dry fit it and mark it for biscuits at the 45's. Get a strap ready and apply glue on all the joints, biscuits and bottom of box. Make sure you check for square when you apply the strap. Let dry over night.

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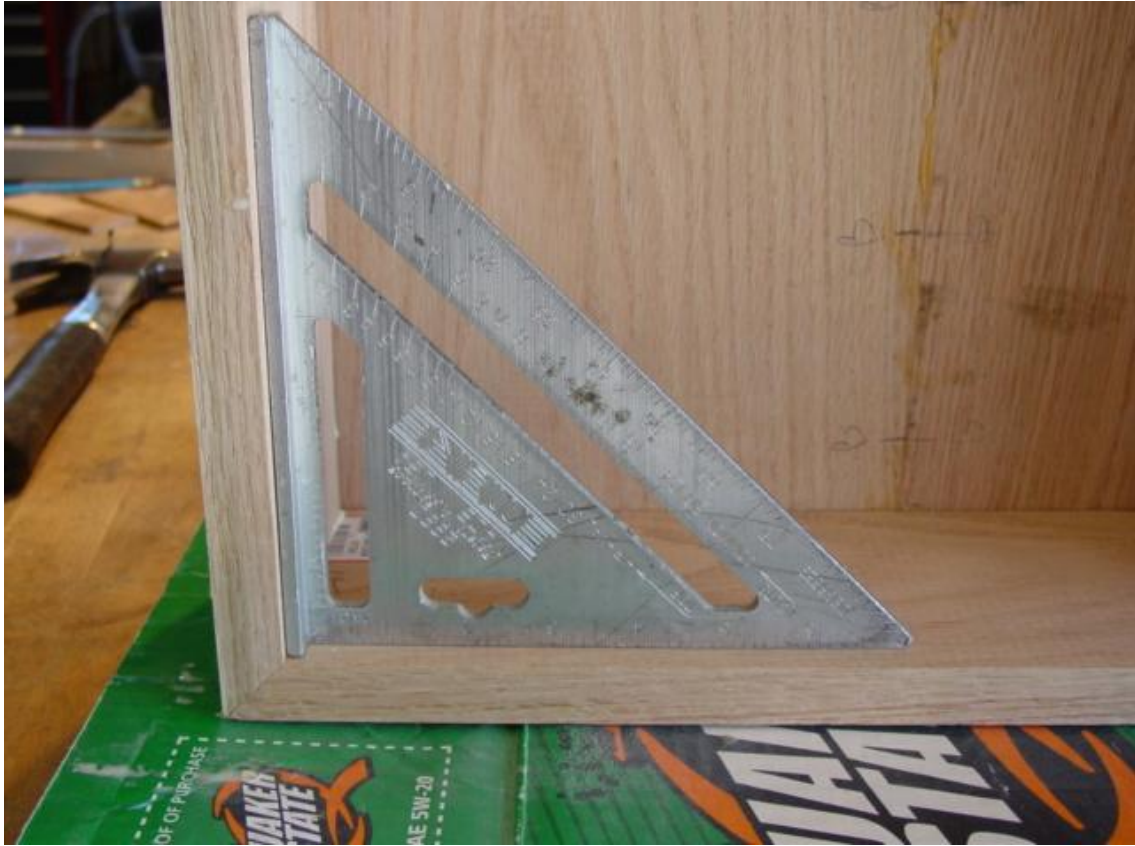
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Let go ahead and put together the pedestal. Now is the time to adjust the height of the pedestal. most tables are set level at 30" to 31". Taking in to account the sub table and playing slab and the foot pads the height of the pedestal should be 28" to 29". Attach the legs by applying some glue to the lag bolts before turning it in. This is to make sure they stay tight no matter what. Using the pictures below connect the base and box with 3/8 treaded rod. You should be able to get away with using 24" rod. I set my table to 34" so I had to use 36" rod and cut to suit.

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You should have some plywood laying around. We are going to use that to make the sub table box. This box will be screw and glue to the bottom of the table for your pedestal connection. Just go ahead and build a box that will fit nice inside the the pedestal box. This should not be a tight or lose fit. Using your table saw and circular saw cut what you need to make this box. Look at the pictures. Use biscuits and clamps and let dry. Once dry you can find center on the bottom of your table.

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