

## **The Dust-Free Knock-Down Finishing Enclosure**

By: Down To Earth Woodworks

### Legs Cut List:

20 Leg Pieces – 2 X 4 Stock cut to ~31 inches long (or slightly longer), mill one edge straight and one face flat

Glue pieces face to face, then mill to 2-1/2" X 2-1/2" X 30" long

### Panels Cut List:

16 Panel Top & Bottom Pieces – 1 X 2 Stock cut to exactly 30" long

24 Panel Vertical Members – 1 X 2 Stock cut to exactly 28-5/8" long

8 Hinge Panel Top & Bottom Pieces – 1 x 2 Stock cut to exactly 29-1/4" long

8 Hinge Panel Vertical Members – 1 X 2 Stock cut to exactly 28-5/8" long

4 Hinge Panel Horizontal Braces – 1 X 2 Stock cut to exactly 27-7/8" (check fit as described in the video)

4 Hinge Post Side Pieces – 1 X 2 Stock cut to exactly 30" long

4 Hinge Post Mortise Pieces – 2 Pieces of 1 X 2 Stock 30" long and ripped in half to make 4 pieces

16 Mortise Pieces – 8 Pieces of 1 X 2 Stock cut to exactly 30" long and ripped in half to make 16 pieces

Corner Gussets – Rip scrap 1/2" plywood to 4" wide, then cut at 45-degrees to make triangles

Miscellaneous 1 X 2 Stock cut to length to make filter enclosures, etc.

### Bottom & Top Cut List:

1 Piece 3/4" Plywood cut to 35" X 35"

1 Piece 3/4" Plywood cut to 35" X 32-1/2"

1 Piece 1/2" Plywood cut to 35" X 35"

1 Piece 1/2" Plywood cut to 35" X 32-1/2"

### Final Sizes, Sub-Assemblies:

10 Legs, 30" long, 2-1/2" X 2-1/2" Square

8 Panel Frames, 30" Wide X 30" High

4 Hinge Panel Frames, 29-1/4" Wide X 30" High

### Other Purchased Supplies:

4 – 1-1/16" X 30" Continuous Hinge (sometimes called "piano hinge")

2 – 1-1/2" X 30" Continuous Hinge

8 – 3/16" X 1-1/2" Lynch Pins

1 – Roll 10' X 25' 6 Mil plastic

2 – 14" X 25" X 1" Furnace Filters

1 – Package 5/16" X 1-1/2" dowels