

# CLOSET STORAGE CABINET SYSTEM



Design and build a custom closet cabinet system that perfectly fits your storage needs.

This system is designed to make it easy to mix and match different components to make the most use out of your closet space. We've included plans for two cabinet heights, a hanger bar, and drawers.

The cabinets in this plan are 20"-wide, but you can modify the dimensions to suit your space. You can install drawers or adjustable shelves in both cabinet sizes.

This system is mounted to the back wall of the closet on French cleats. The benefit of using French cleats is you can hang the components at any height you like and it's easy to rearrange the components.

In the example shown, we created three columns of components and mounted the French cleat rails on the back wall at 35-1/2" and 75" from the floor.

## BUILD

### Stock # Item

44506	14" - 75-lb. Full-Extension Drawer Slides
31571	Rockler Pro Shelf Drilling Jig

3/4" Plywood - Quantity depends on components

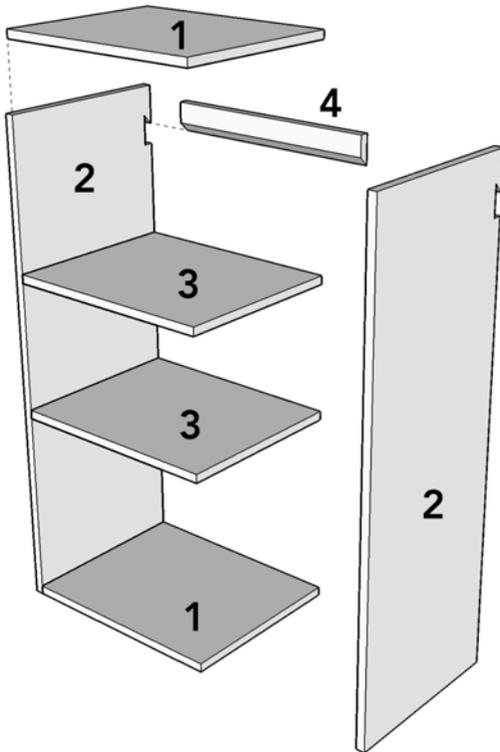
1/2" Plywood - Quantity depends on components

1/4" Plywood - Quantity depends on components

All items subject to changes in availability.

## CLOSET CABINET SYSTEM

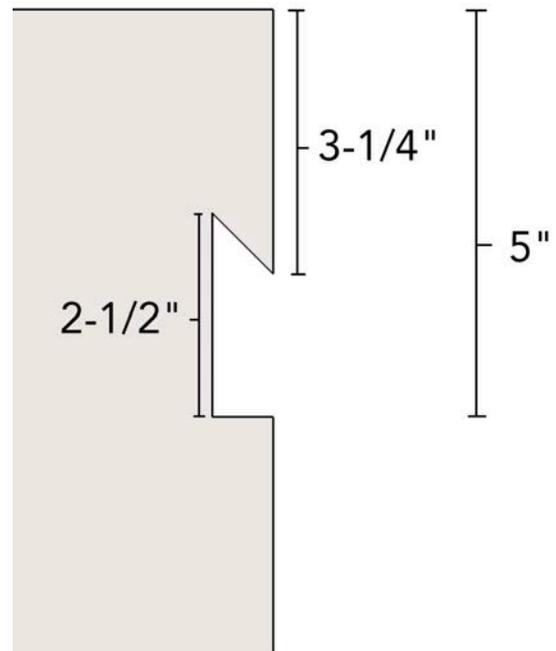
### Tall Cabinet



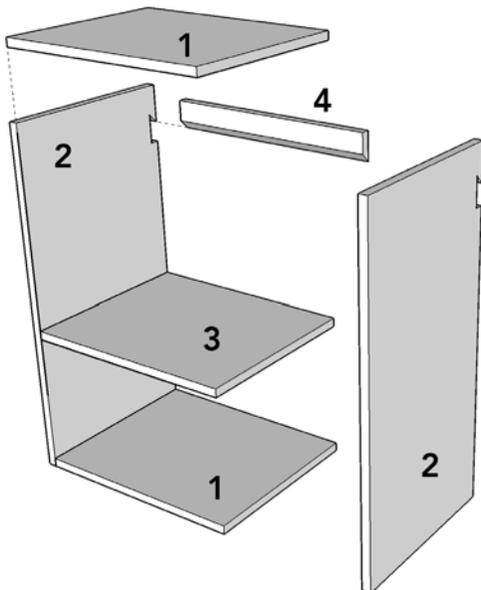
### MATERIAL LIST

	T x W x L
1 Top, Bottom, Drawer Divider (3)	3/4" x 15" x 18-1/2"
2 Sides (2)	3/4" x 15" x 42"
3 Adjustable Shelves (optional)	3/4" x 15" x 18-1/4"
4 French Cleat Bracket (1)	3/4" x 15" x 2-1/2"

### French Cleat Bracket Dimensions



### Short Cabinet



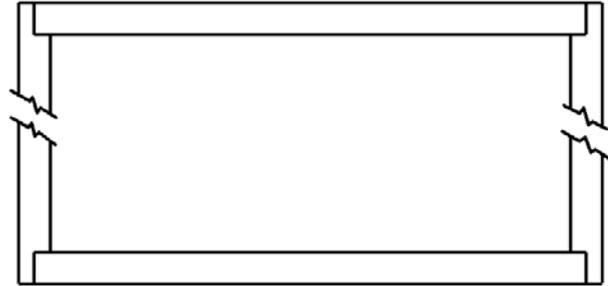
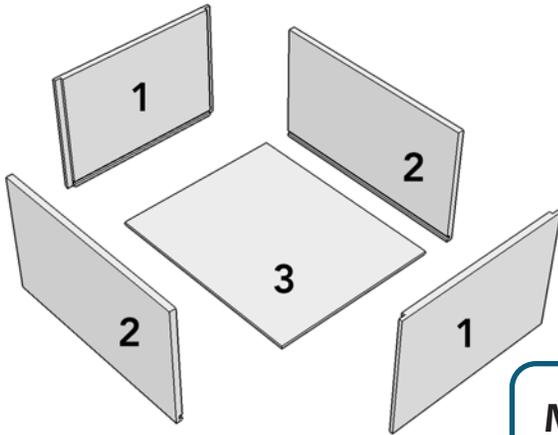
### MATERIAL LIST

	T x W x L
1 Top, Bottom, Drawer Divider (3)	3/4" x 15" x 18-1/2"
2 Sides (2)	3/4" x 15" x 30"
3 Adjustable Shelves (optional)	3/4" x 15" x 18-1/4"
4 French Cleat Bracket (1)	3/4" x 15" x 2-1/2"

## CLOSET CABINET SYSTEM

### Drawers

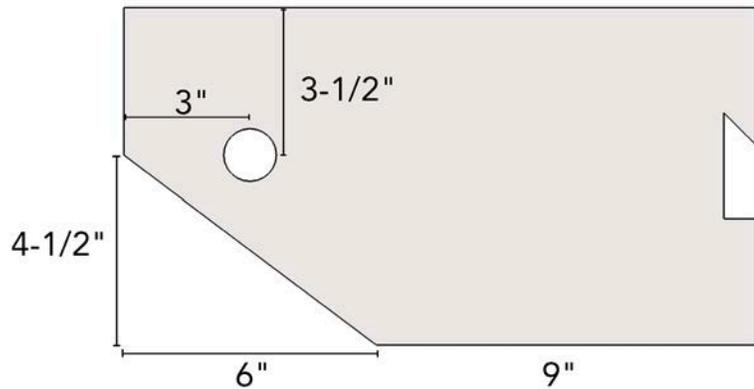
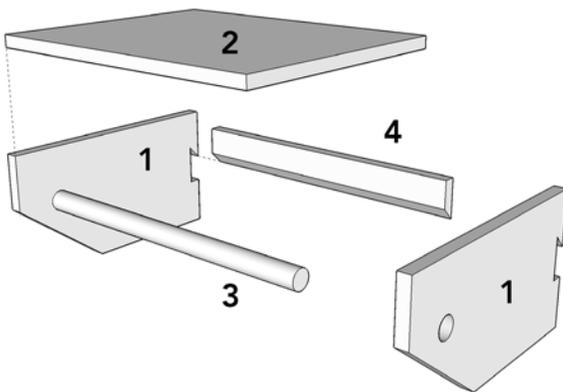
- Drawer box size is the same for tall and short cabinets.
- Drawer Faces are different dimensions for tall and short cabinets.



### MATERIAL LIST

	T x W x L
1 Drawer Sides (2)	1/2" x 10" x 14"
2 Drawer Front/Back (2)	1/2" x 10" x 17"
3 Drawer Bottom (1)	1/4" x 17" x 14-1/2"
4 Drawer Front Face - Tall Cabinet - 3 drawers	3/4" x 20" x 13-7/8"
5 Drawer Front Face - Short Cabinet - 2 drawers	3/4" x 20" x 14-7/8"

### Hanger



### MATERIAL LIST

	T x W x L
1 Hanger Sides (2)	3/4" x 8" x 15"
2 Hanger Top (1)	3/4" x 18-1/2" x 15"
3 Dowel (1)	1-1/4"-dia. x 18-1/2"
4 French Cleat Bracket (1)	3/4" x 20" x 13-7/8"

## 1. CUT FRENCH CLEAT BRACKETS



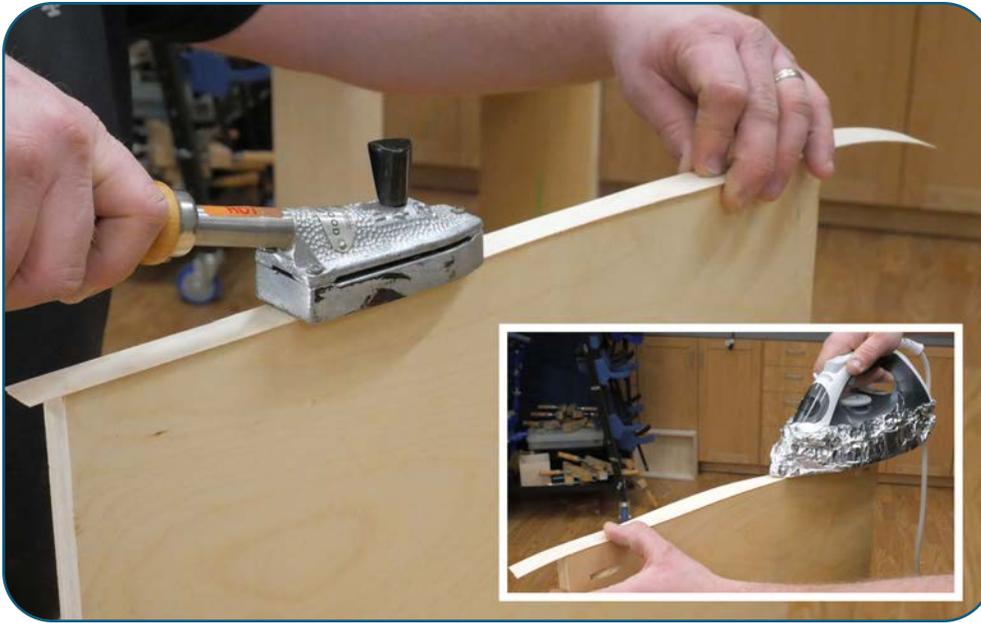
Make a French cleat bracket template. Lay out the french cleat bracket on a piece of scrap wood. See layout drawing, p.2. Cut out the French cleat bracket with a jigsaw. Use the template to layout the French cleat brackets on each side panel.

## 2. DRILL POCKET HOLES

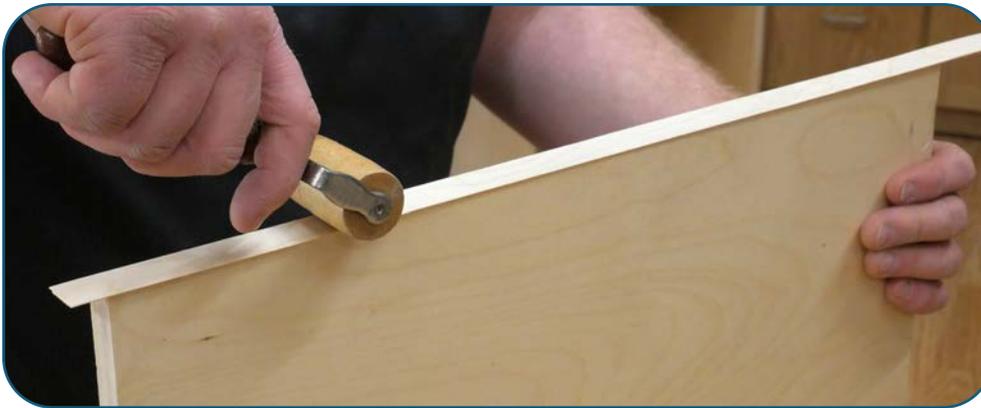


Drill pocket holes along the side edges of the top and bottom panels.

### 3. APPLY EDGE BANDING



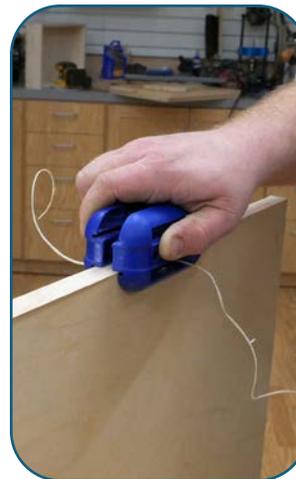
Use an edge-banding iron or a household iron to apply heat-activated edge banding to the front edges of the top, bottom, and sides. If you use a household iron, cover the base with aluminum foil.



Use a roller to press the edge banding against the panel and create complete contact.



Trim the ends of the edge banding flush.



Use an edge banding trimmer or chisel to trim the edges flush.



Use a file to smooth the edges.

#### 4. DRILL SHELF PIN HOLES IN SIDE PANELS



Use a shelf pin drilling jig (31571 or 32991) to drill the shelf pin holes.

#### 5. FINISH ALL PANELS



Apply two coats of water-based polyurethane to all surfaces. Lightly sand between coats.

## 6. ASSEMBLE CABINET CASES



Clamp the top, bottom and sides of the case. Assemble with 1-1/4" pocket screws into the pocket holes.

## 7. CUT FRENCH CLEAT RAILS



Tilt the table saw to 45 degrees. Rip the French cleat rails.

## 8. INSTALL CABINET FRENCH CLEATS



Cut the French cleat rails to length. Drill pocket holes in the ends and attach the rail to the cabinet case.

## 9. MAKE AND INSTALL THE DRAWERS



Cut the drawer parts to size. Cut 1/2"-wide x 1/4"-deep rabbets in each end of the drawer sides.



Cut a 1/4"-wide x 1/4"-deep groove in the inside faces of the drawer front, back, and sides. This groove will capture the bottom panel.



Drawer front, back, and sides ready for assembly.



Mount the drawer slides to the cabinet sides and drawer box sides.

## 10. INSTALL THE CABINETS



Attach the French cleat rail to the back wall of the closet. Drive 2-1/2" screws through the rail and into wall studs. Hang the cabinet components on the rail and secure the cabinets each other with 1-1/4" screws.