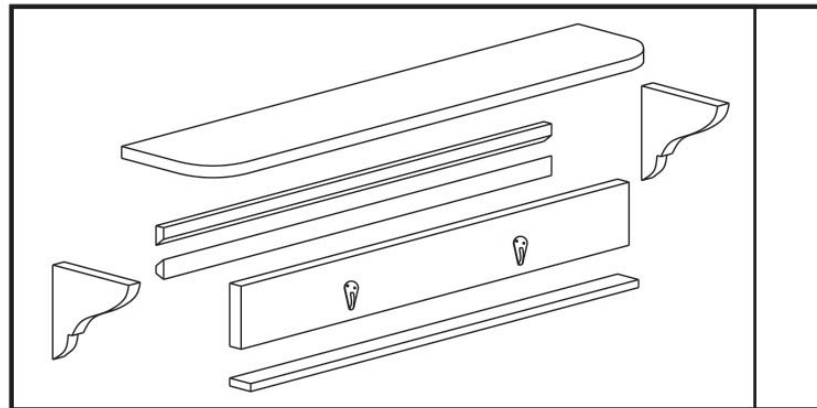




POCKET HOLE PLANS WALL SHELF

ITEM# KS01



Supplies Needed:

SML-F125 screws (8)
SML-F150 screws (2)
SPS-F1 screws (4)
SFH-C1 screws (4)
Amerock #220-5612 (2)
Toggle bolts or drywall anchors (2)



Wall Shelf Building Notes

Step One

Cut all parts to size. To make identical C's, stick the blanks together using double stick carpet tape. Bandsaw to shape and then sand to the lines. Separate the parts by applying a few drops of lacquer thinner or acetone to the edges, gently pry apart, and wipe the surfaces clean to remove tape residue.

Step Two

Layout all pocket hole screw locations, and then drill to depth (see Drill Depth Setting tip). Then layout and drill the 3/8" dia. x 3/8" deep plug holes on shelf A (see Screw Hole Plug Tip for reference).

Step Three

Assemble trim D on B using SPS-F1 screws. Then join brackets C to support/trim assembly BD with SML-F125 screws. Next, center BCD assembly onto the bottom surface of A, and secure with SML-F125 screws. Finally, on top of shelf A, drive one SML-F150 screw centered inside each 3/8" plug hole into brackets C where shown. Then glue and tap the screw hole plugs in place. Trim off excess plug and sand smooth.

Step Four

Position shelf hanger E on B, centered between the C's (Note the 1/8" space at each end of E). Then lay out, drill countersunk shank holes, and drive SFH-C1 screws where shown.

Step Five

Apply the finish. We recommend using CRYSTALAC® Brushable #CLB-60 semi-gloss for a very durable crystal clear finish. To order CRYSTALAC finishes, call 1-800-447-8638. When dry, attach the coat hooks as shown.

Step Six

Using your choice of wall fasteners, locate wall hanger F where desired, check for level, and mark the screw hole centerpoints. Drill the appropriate sized holes for the fasteners through F and into the wall. Secure F to the wall surface. Then position the shelf over the wall hanger sliding down the wall vertically, until the hangers meet.

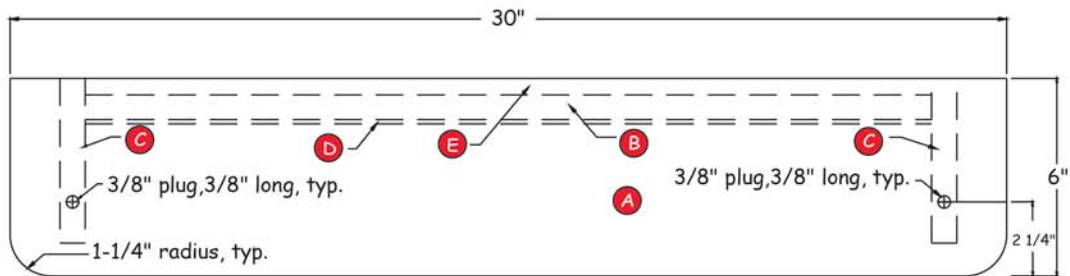
<u>Part</u>	<u>Description</u>	<u>Thickness</u>	<u>Width</u>	<u>Length</u>	<u>Qty.</u>	<u>Material</u>
A	Shelf	3/4"	6"	30"	1	Cherry
B	Support	3/4"	4"	25-1/2"	1	"
C	Support Bracket	3/4"	5"	6"	1	"
D	Trim	1/2"	1-3/8"	25-1/2"	1	"
E	Shelf Hanger	1/2"	1-1/4"	25-1/4"	1	"
F	Wall Hanger	1/2"	1-1/4"	25-1/4"	1	"

Supplies:

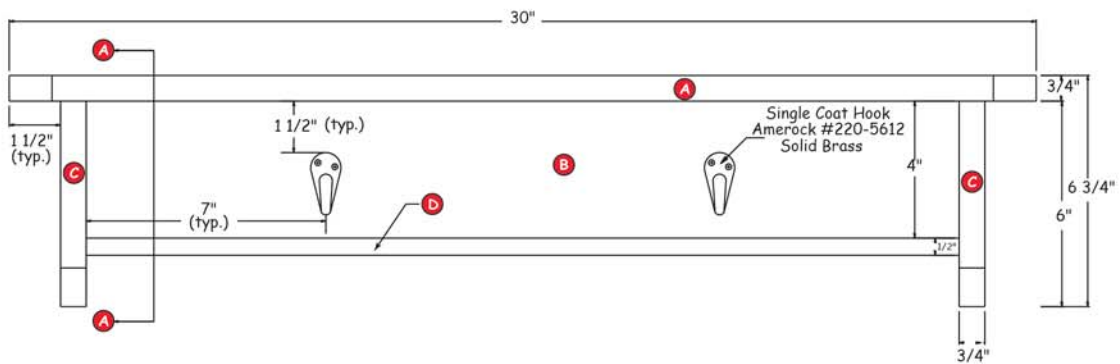
2 pcs. SML-F150 screws, 8 pcs. SML-F125 screws, 4 pcs. SPS-F1 screws, 4 pcs. SFH-C1 screws, 2 single coat hooks-Amerock #220-5612 solid brass, 2 pcs. 3/8" x 3/8" screw hole plugs, 2 pcs. Toggle bolts or drywall anchors, CRYSTALAC CLB-60 semi-gloss brushable finish.



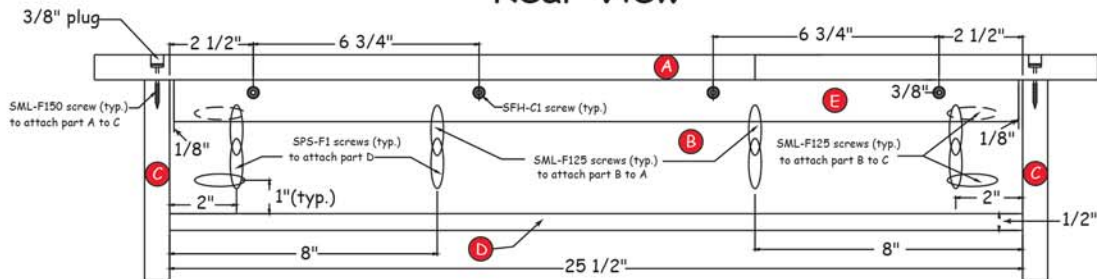
Plan View



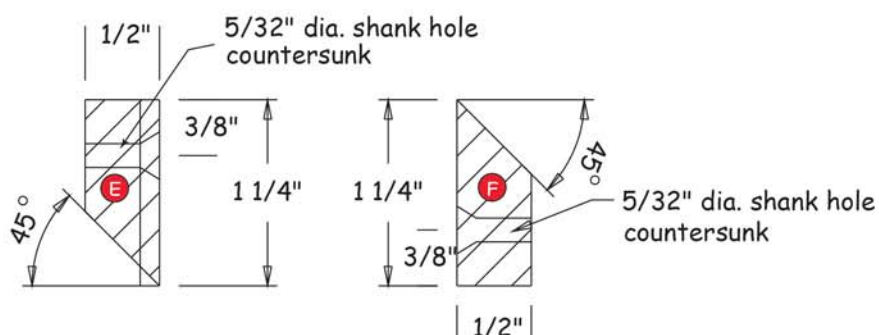
Front View



Rear View

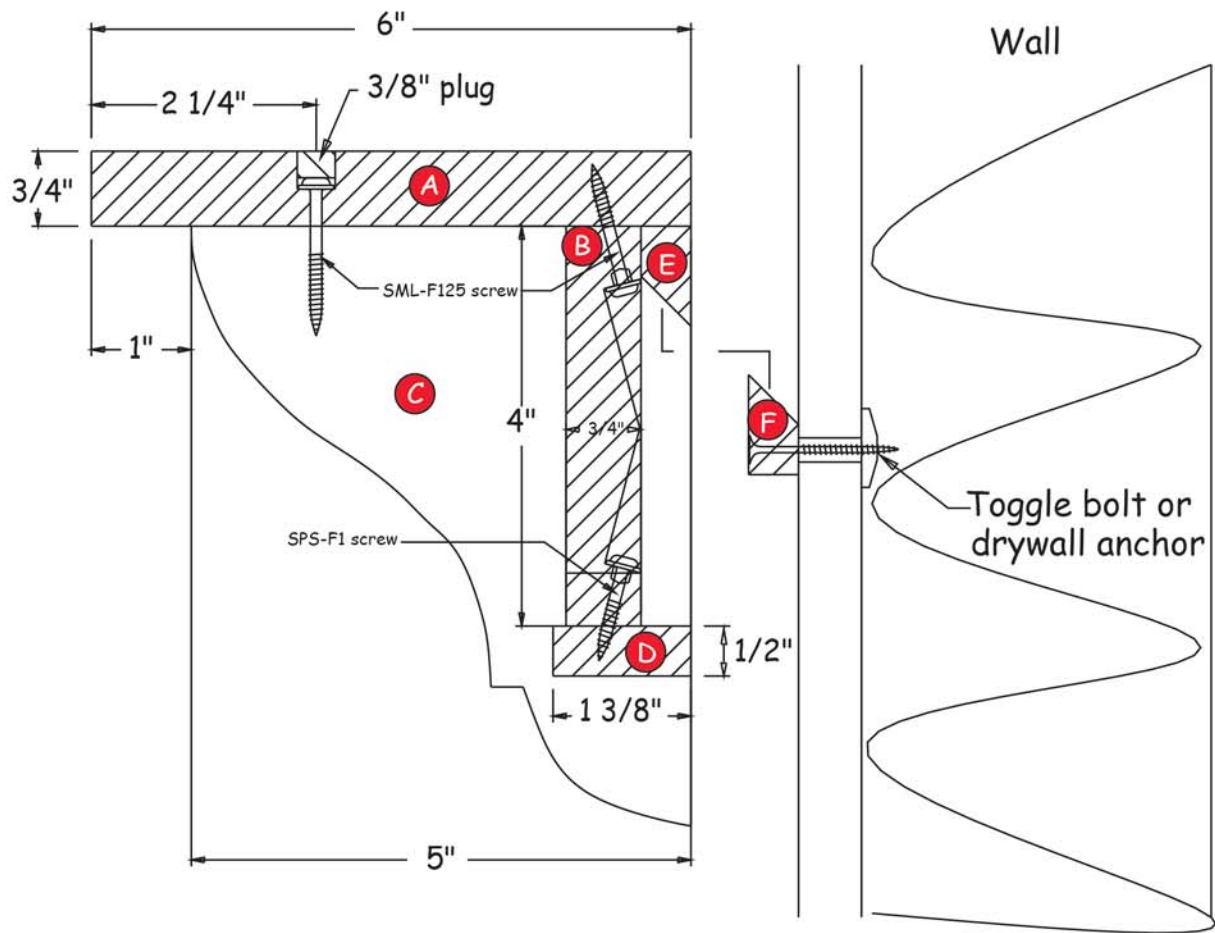


Hanger Detail

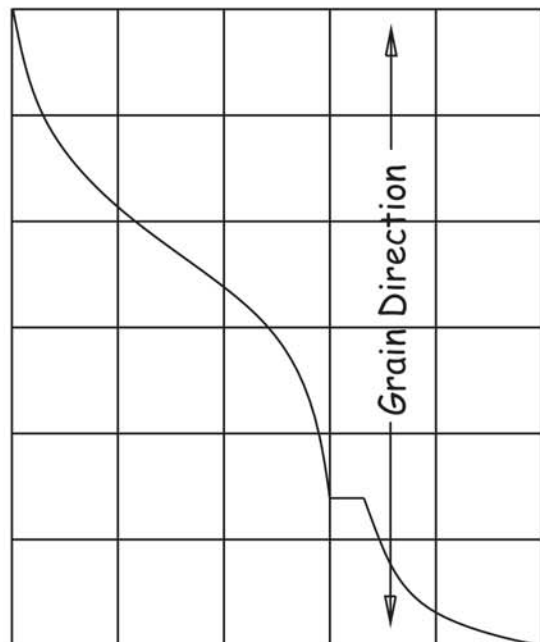




Section A-A



Support Bracket
(1" Squares)





Drill Depth Setting Tip

Step 1

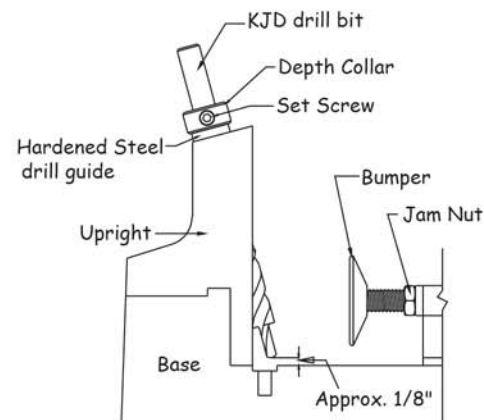
Slip the depth collar onto the drill bit with the set screw loose so it will easily slide up or down on the drill. Then slide the drill into one of the hardened steel drill guides and hold the bit so that the tip of the bit is approximately 1/8" above the base.

Step 2

Slide the depth collar down the drill shank until it contacts the hardened steel drill guide. Tighten the depth collar set screw.

Step 3

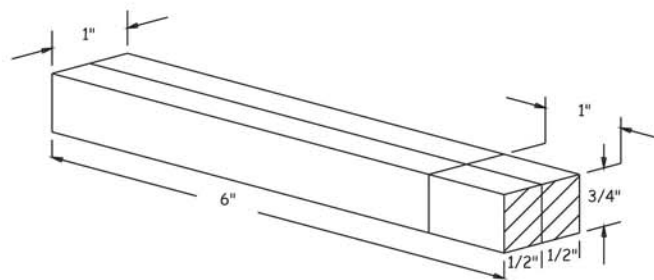
Test the setup in scrap material before drilling the actual workpieces.



Scrap Hole Plug Tip

Step 1

Make an auxiliary drilling sleeve measuring 3/4" x 1" x 6" long from scrap hardwood. Lay out a centerpoint 1" from one end and 1/2" from the edge as shown. Punch the exact center with an awl to prevent the tip of the drill bit from wandering. Extend the lines over and down each edge of the sleeve for aligning over plug hole layout lines. Clamp the sleeve to a piece of scrap material and drill a 3/8" hole straight down through the sleeve block and into the scrap (the scrap material ensures that the rim of the hole on the bottom of the sleeve block will be sharp and splinter free). When drilling into the actual workpiece, the sleeve works as a chip breaker that prevents grain tear-out just as the bit begins to cut into the workpiece.



Step 2

Set the depth collar to 1-1/8" as shown. Clamp the drilling sleeve to a piece of scrap material and drill a test hole to check the depth setting. The hole should be 3/8" deep. If not, readjust the depth collar as necessary. For best results, be sure that the depth collar fully contacts the auxiliary sleeve surface each time. Remove chips from the drill flutes frequently.

Note: Always insert the tip of the drill bit into the sleeve hole without the drill running. This helps to prevent enlarging the hole should the drill catch the rim of the hole in the auxiliary sleeve.

Step 3

Lay out the screw hole location on the surface of the workpiece. Align the centerlines on the edges of the drilling sleeve to the centerlines on the workpiece, and clamp. Drill straight down in 1/8" increments and back the drill out to allow for chips to eject (this helps to avoid clogging the flutes). Continue with drilling and backing out until the depth collar fully contacts the surface of the drilling sleeve. Remove the clamp and sleeve.

