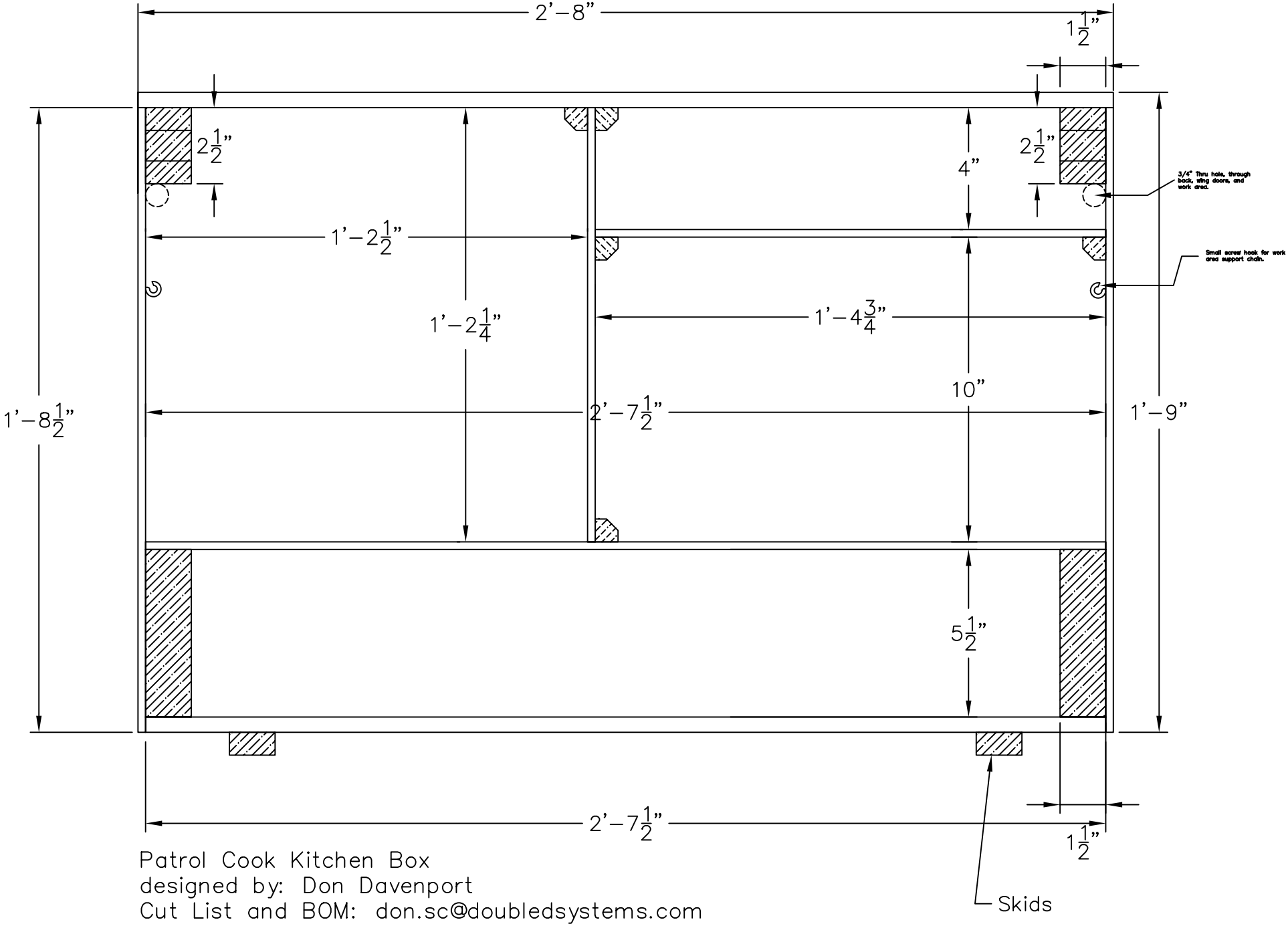
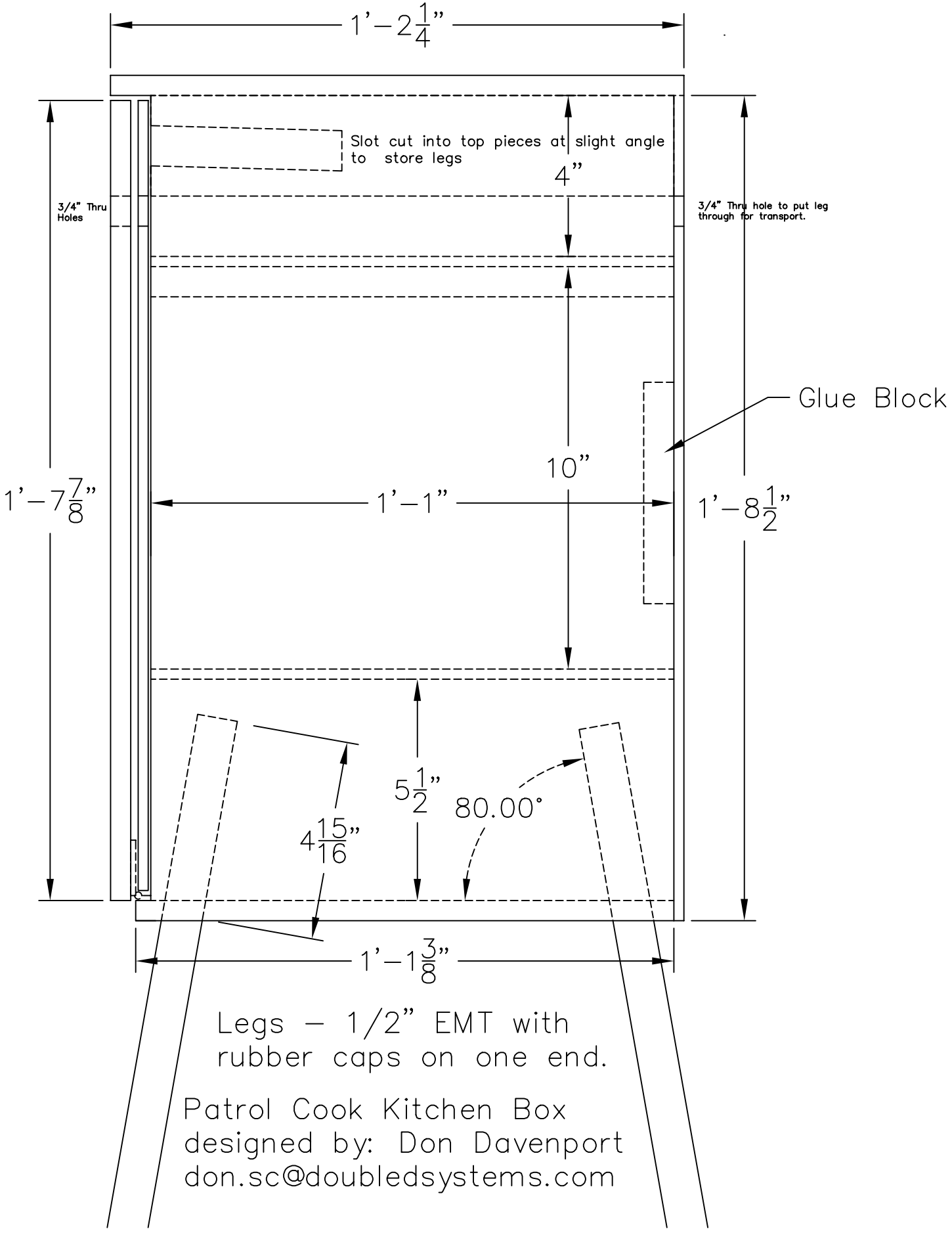


Patrol Cook Kitchen Box
designed by: Don Davenport
Cut List and BOM: don.sc@doubledsystems.com


1'–2 1/4"
Slot cut into top pieces at slight angle to store legs
4"
3/4" Thru Holes
3/4" Thru hole to put leg through for transport.
Glue Block
10"
1'–7 7/8"
1'–1"
1'–8 1/2"
5 1/2"
80.00°
4 15/16"
1'–1 3/8"
Legs – 1/2" EMT with rubber caps on one end.
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Patrol Box Parts Dimensions

Bottom: 31½ x 13⅜ x ½

Top: 32 x 14¼ x ½

Back: 32 x 20½ x ¼

Ends (2) 20½ x 13 x ¼

V Divider 14¼ x 13 x ¼

L. Shelf 31½ x 13 x ¼

U Shelf 16¾ x 13 x ¼

L Glue Block 13 x 5½ x 1½

U Glue Block 13 x 2½ x 1½ (Drawing to be changed soon)

Wing Doors(2) 19 x 15 x ¼

Work Area 32 x 19⅞ x 1/2

Legs (4) 31¼" long ½" EMT (electrical section of Hone Depot, Lowes etc.) w/4" of ⅝" hardwood dowel in lower end and 8" of ⅝" hardwood dowel in upper end. Spray paint upper ends.

Skids (2) 12 x 1½ x ¾ (I use scrap oak flooring)

Shelf Glue Blocks (6) 13 x ¾ x ¾ w/45º chamfer on one corner along the length

(2) 10-24 Fender washers
(2) 8-32 Eye bolts
(2) Small cup hooks
(2) Small ***S*** hooks
(30-32) 8-32 Lock nuts with nylon inserts
(28-30) 8-32 x 1" Flat head machine screws
4' of fine link chain (gives more adjustment to work area)
(4) Light weight flat hinges for wing doors.
(8) 4d Smooth galvanized nails

Patrol Chuck Box

This box is designed to hold the following items.
BSA 19 pc. Cook set
12" Cast iron frying pan
10 ½ x 16 Aluminum griddle
2 Rubbermaid Dishpans
1 GSI 36 Cup Coffee Boiler (Use for heating water)
2 Quart Pitcher
2 Cup measuring cup
Thin cutting board
Set of kitchen utensils (spoon, ladle, spatula, potato peeler, etc.)
Swingline can opener
Set of Kitchen knives
2 Hot pad mitts
18" Bow saw
Small Shovel 18" or military folding)
GSI Cooking Grill (no legs just grill)
15 Cooking pins
12 x 16 Dining Fly
100' ¼" Polyester rope for wood yard
1- 50' ¼" Polyester rope for dining fly centerline
4 – 30' ¼" Polyester rope dining fly corner ropes
4 – tent stakes
Wisk broom (for cleaning tents out before breaking them down)
Claw hammer (get one with yellow handle so it's not lost easily)
Salt, pepper, and misc. other spices

If you are not familiar with cooking pins they are 10" spikes that you drive into the ground until about 4-5" are left sticking up. For large pots I use 4 or 5 and for small ones sometimes only 3. You take the coals from the fire with the shovel and put a bed of coals around the pins about 1" large diameter than the pan. This allows for very good heat control as you add coals or rake them out to control the heat. You also don't need to soap bottoms of pans. By only giving out cooking pins the scouts are practically forced to cook with coals and not over the flame.

The 36 cup coffee boiler is used to heat water by building a tri-pod and hanging the boiler from it. Works just as well with a cook stove as well.

Box Details:

The front work area is attached to the box with a piano hinge. (I usually buy the 6' as you can make two boxes from it for less that buying 2 36" ones). Attach it with the 8-32 FH screws and the lock nuts. Grind off any excess. The work surface supported by chains from hooks located 6" down from the top screwed into the inside sides (grind off what comes through). The other end is attached with a s-hook to the eyebolts which have been mounted 6" from the top edge of the work area and ¾" from the edge with the eyebolts and fender washer with the lock nuts.

The wing doors are optional. Basically they mount to the sides with the hinges on the outside of the box . They fold in before the work area is raised so you must put the hinges on the wing doors before mounting to the sides. You use the wing doors for a paper towel hanger, hooks for hanging kitchen utensils, spice rack, etc. If you omit the wing doors the bottom dimensions are 31½ x 13⅛ x ½ and the top is 32 x 14 x ½.

The box is transported by taking out two of the legs and putting them through the box in the holes in the front work area, wing doors, and the back. Even the four smallest scouts can carry a loaded box for a fairly good distance.

The work area is held closed by drilling a 1/8" hole down through the top into the top edge of the work area about 4" from each side. It is a good idea to then open the work area slightly and drill a couple of holes on each side of one made as the door tends to ***rack*** when on uneven ground. You drop in a 4d nail through the top into the top edge of the work area. It is a good idea to store a few extra nails by drilling into the front of the leg carrying supports (Upper glue blocks).

A Few Construction Watch Outs

1. Use "Gorilla Glue" everywhere you can.
2. Make sure you cut the leg slot in the vertical divider before assembly.
3. Put the back on before the top so that you don't forget to overlap the back with the top.
4. Mount the skids before putting on the lower shelf (Hard to screw through ½" plywood with 5 ½" clearance!)
5. Mount the divider glue blocks on the lower shelf before installing the lower shelf (see #4)
6. Mount the bottom to the lower glue blocks before drilling the holes for the legs to go up into. Leave room close to the front and back for the holes where you don't put in any nails or screws. (I drill the holes using the horizontal drilling capability of my Shopsmith – it is tough to do them with a hand drill but it can be done, any Shopsmith owner would be glad to help, it can also be done with a floor mounted drill press) When attaching the sides to the lower glue blocks later on make sure you don't put a screw or nail into the leg holes from the side.

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