

Conductor's Car

Rick White

- Flat car with conductor's station.
- Comfortable seat.
- Place to store ice box and a jacket.
- Copied, in part, from my Engineer's Car, see photo.



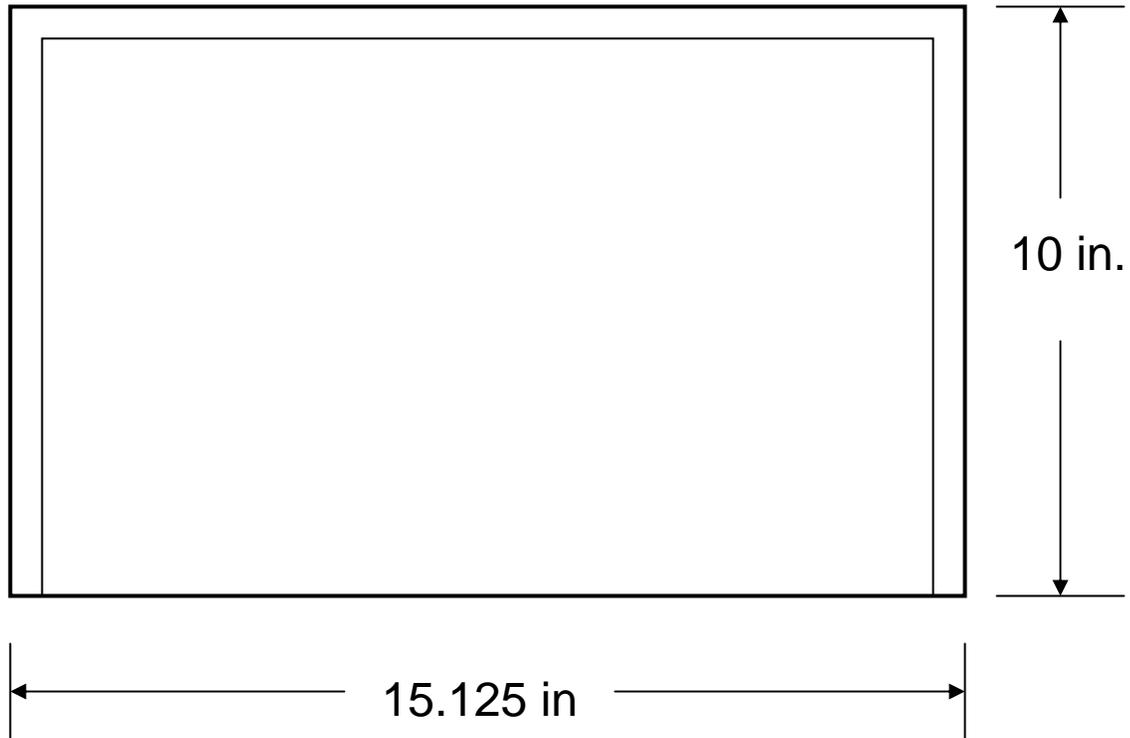
Conductor's Car

Box to support seat with ice box part and drawer for storage.

Waybill storage and sorting table at front of the car.

Ice box that goes under seat is 9.25 high by 13 by 10 inches. The engineer's car holds a taller ice box 10.75 high by 14 by 9.5 inches. But, that puts the engineer's seat too high. Make the Waybill holder have space for a tall ice box.

Front view where ice box goes



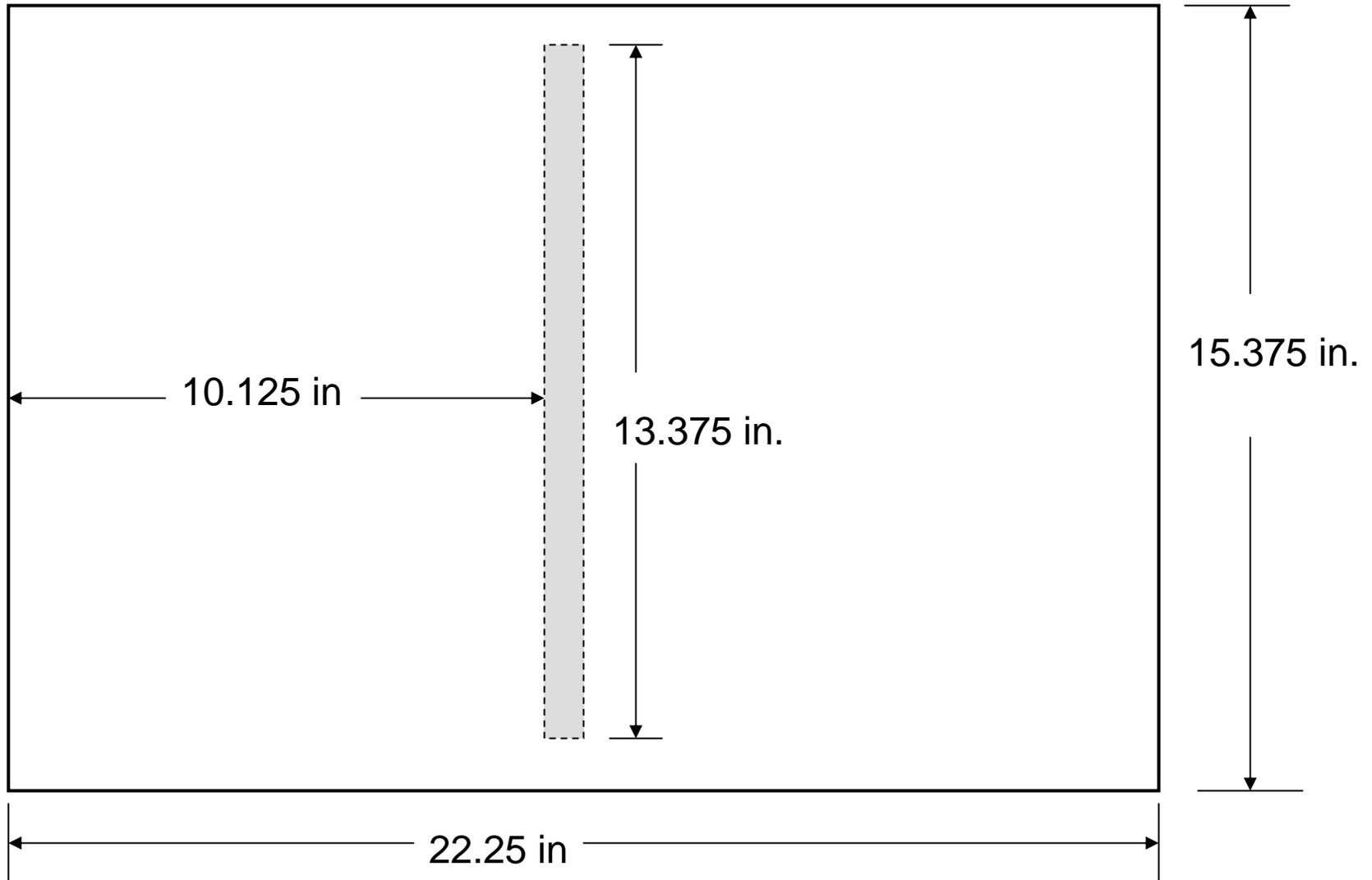
Side pieces are 9.25 inches tall

Top is 15.12 inches wide.

Center support is $15 \text{ and } 1/8 \text{ minus } 3/2 = 13.62 \text{ inches}$ or $13 \text{ and } 5/8 \text{ inch}$ wide by 9.25 inches.

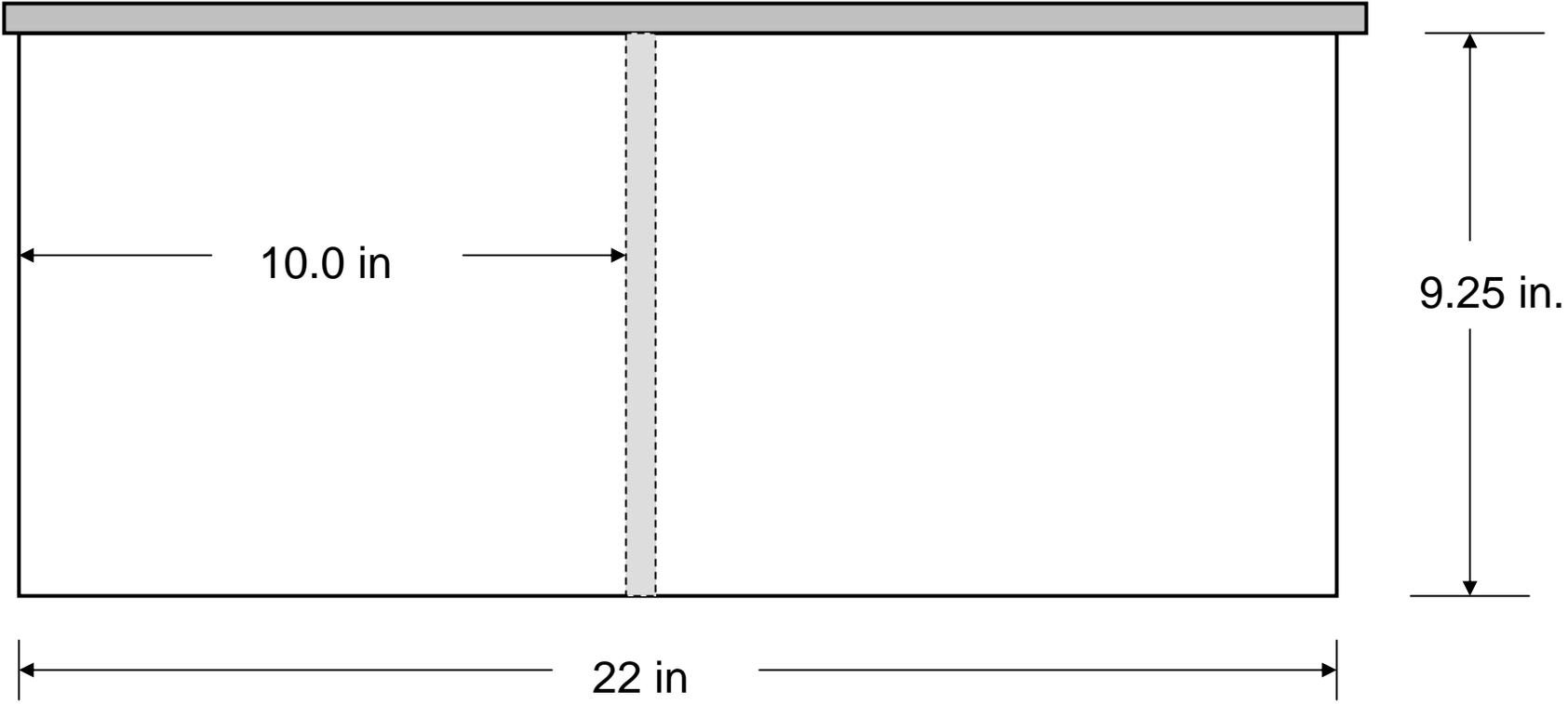
Top view, top is 15 and 3/8 wide by 22 and 1/4 inch long. Small overhang of the box all around like on Engineer's car.

Cross support under seat is shown in grey.

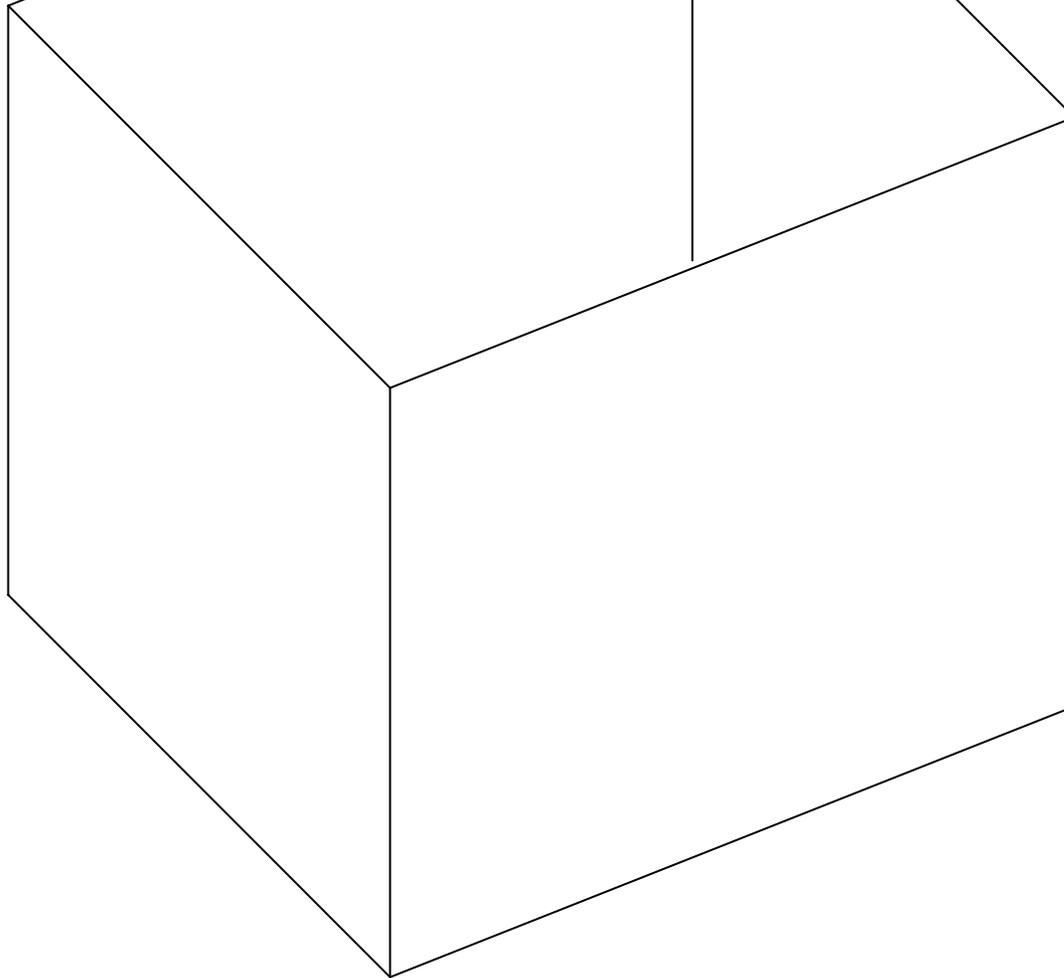


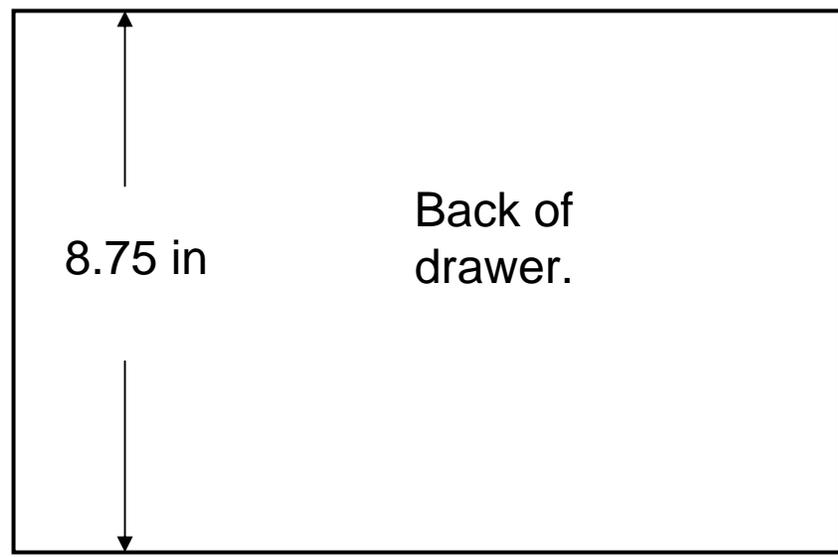
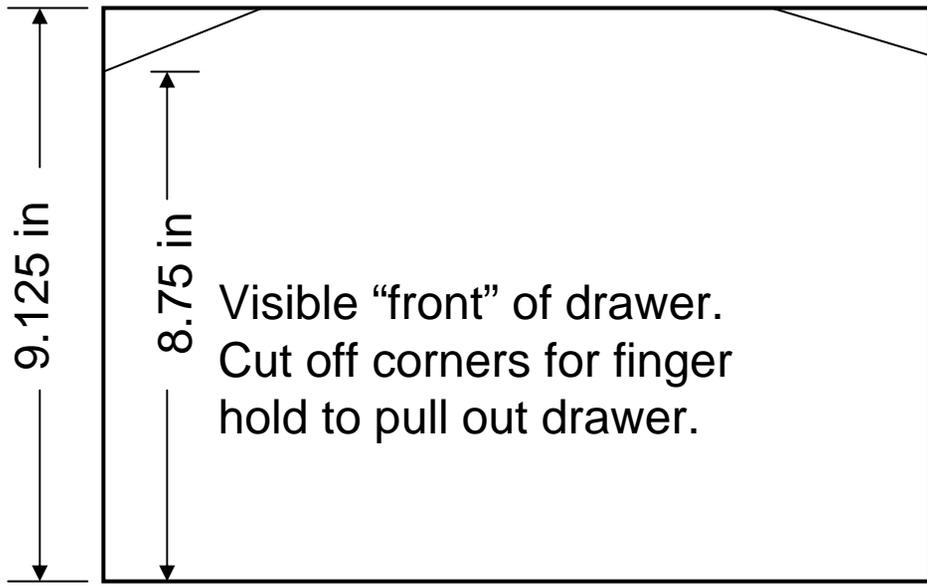
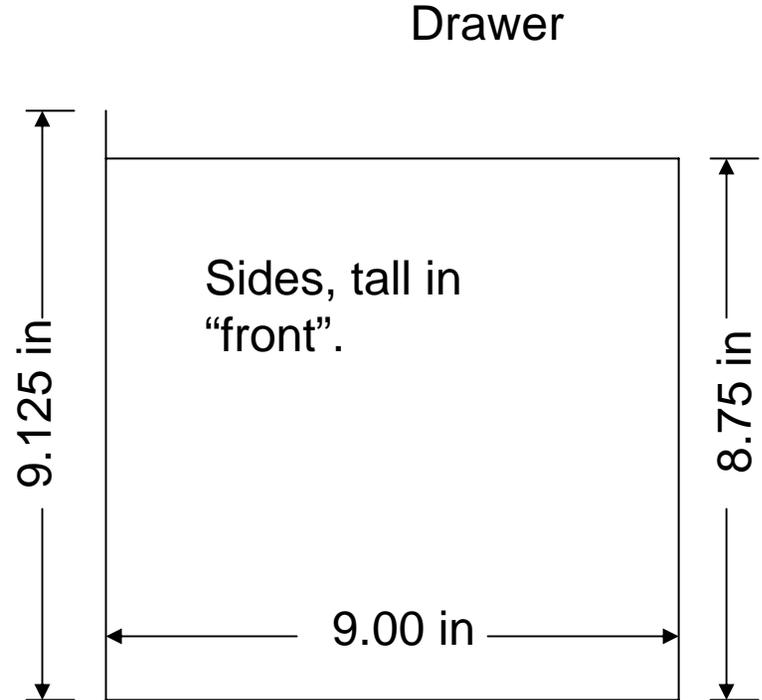
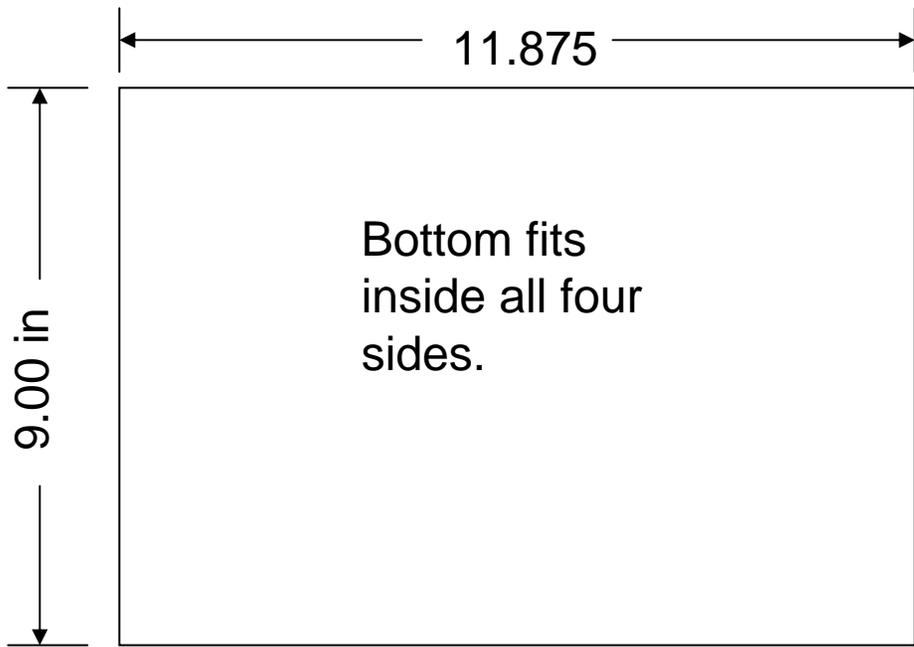
Side view of 22 inch long piece with 22.25 inch long top.

Side is 22.0 by 9.25 inches.

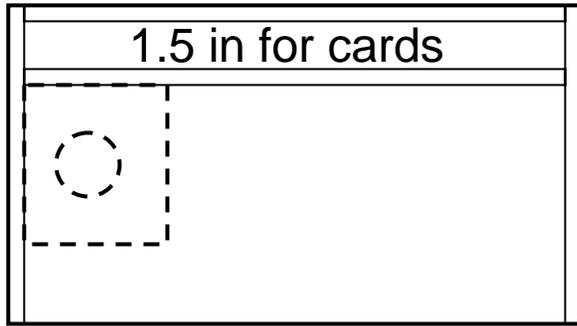


Drawer: build to fit the back opening of the conductor's seat box. Has four sides and bottom with no top. Space for drawer is 11.0 in front to back, make 10.5 in. Have 13.625 in. wide, make 13.375 in. wide. Have 9.25 inch high, make front 9.125 high with hand hold, back 8.75 in high to clear bolts for seat, sides sloped to match both front and back.





Waybill or conductors station at front of the car. Need to build seat first and check my reach to see what height will work for me. Found that 24 inches works well.



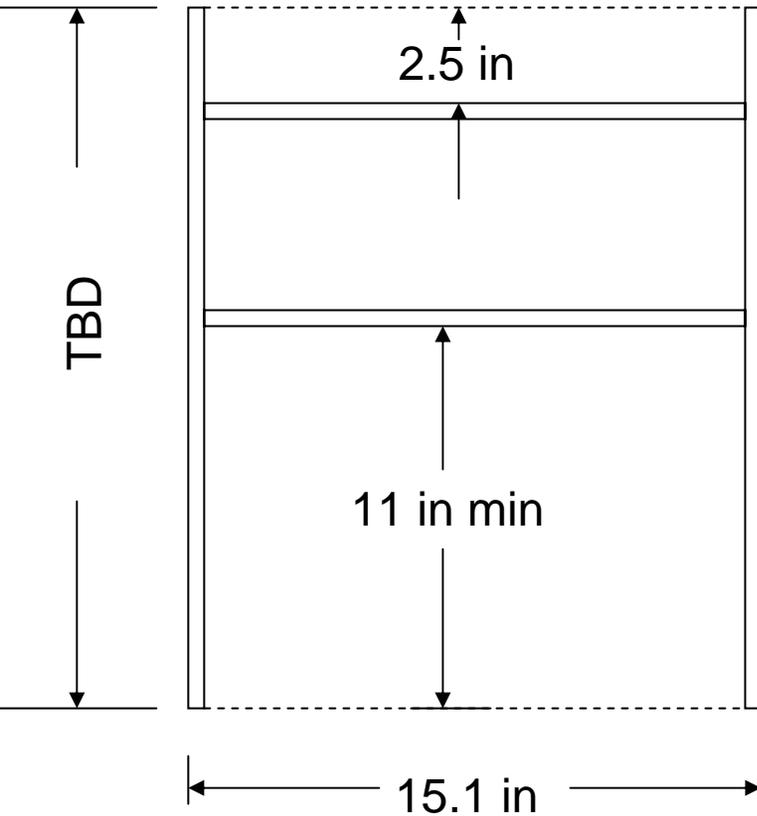
Card holder board 13.625 by 2.5 in.

Drink holders 4.3 inch with hole in center - 2

Shelves 13.625 by 7.25 inches – make 2.

Back 15.125 by 24 inches.

Sides 7.25 by inches – two needed.



When testing seat to determine height of the waybill station, I found that the seat box has to be six inches rear of the car center to give me foot room. And my feet have to go inside bottom of waybill station.

Construction

All pieces cut out on table saw to the “exact” dimensions given in the drawings. Chop saw on a couple of cuts.

Glued (Gorilla Glue – water proof glue for out door use) and screwed together.

Flat head screws that were counter sunk and then had plastic wood put over the top to hide the screws. Stainless screws used #8 by 1.25 inch.

Sanded smooth, repeat the plastic wood as many as three times to get smooth. But still, not perfect because you cannot see the problems until painted.

White painted first. Then masked for stripes.

Red painted last. Both red and white were sprayed with automotive type spray rig and Tractor Supply enamel paint with hardener. Use a gas mask, rubber gloves, and goggles. The white under the red makes the red brighter.

Finished Car – drawer in.

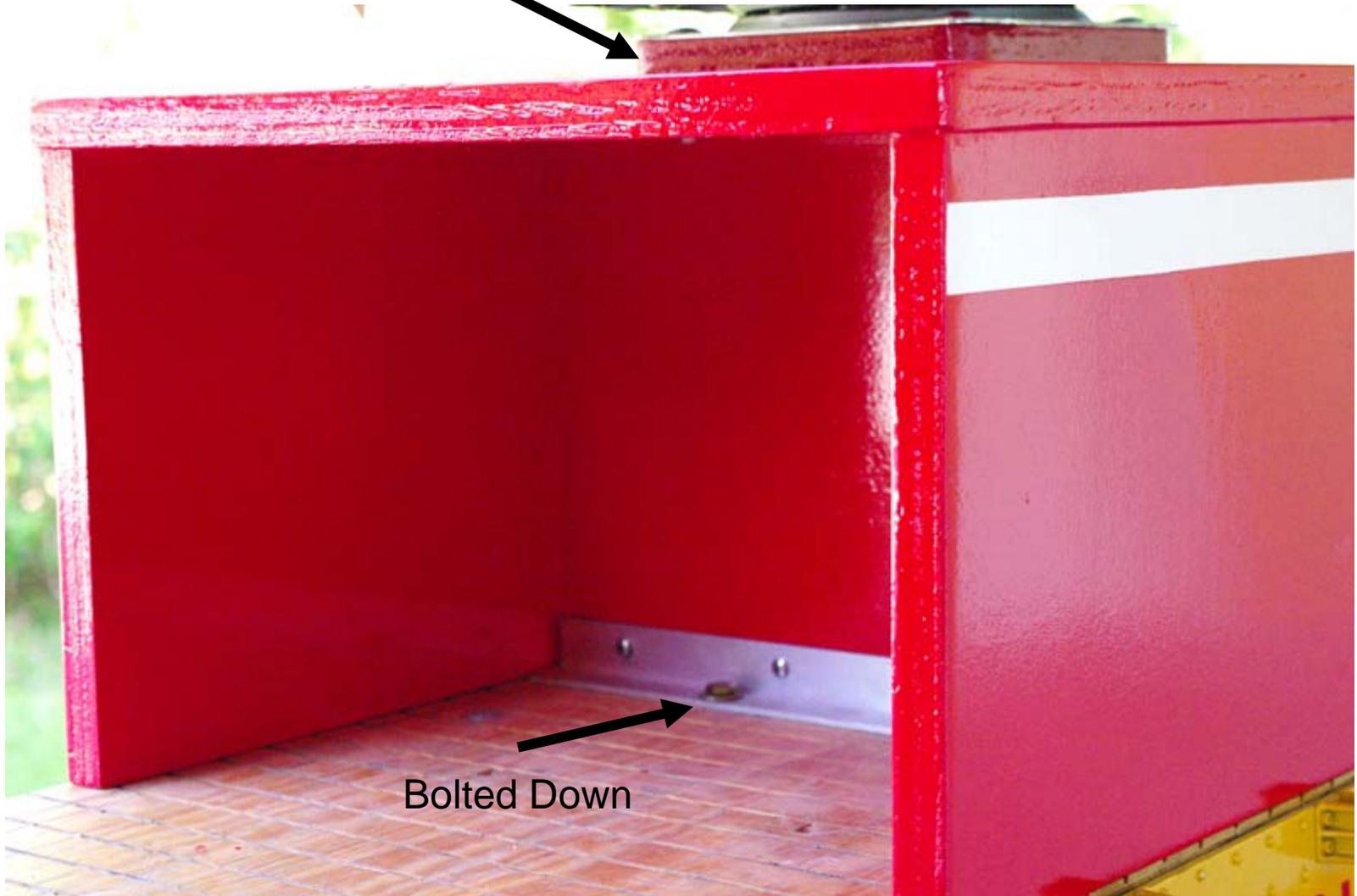


The finished car – drawer out.



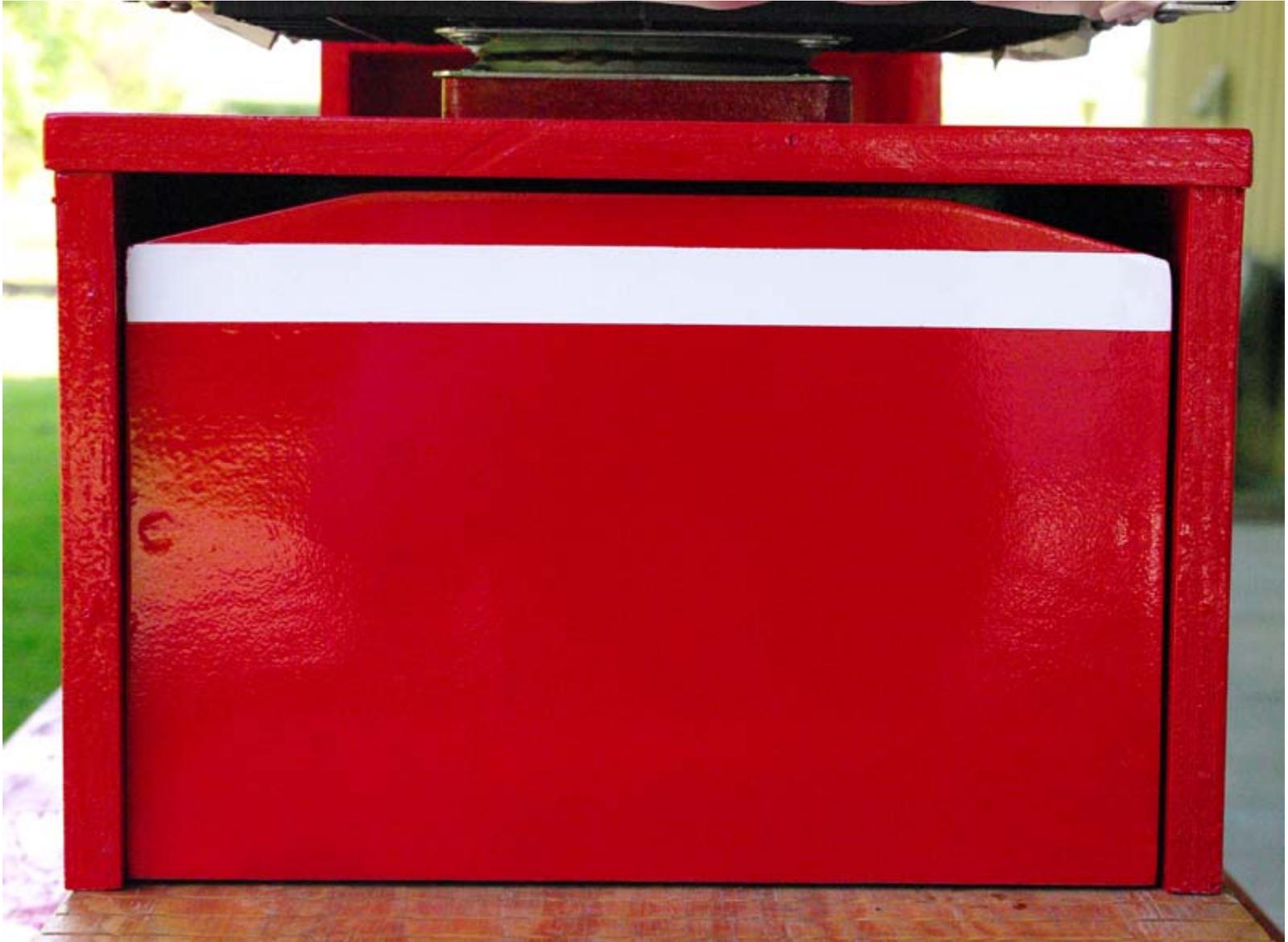
Opening for ice box.

Mount for seat 6.25 in sq.



Bolted Down

Drawer



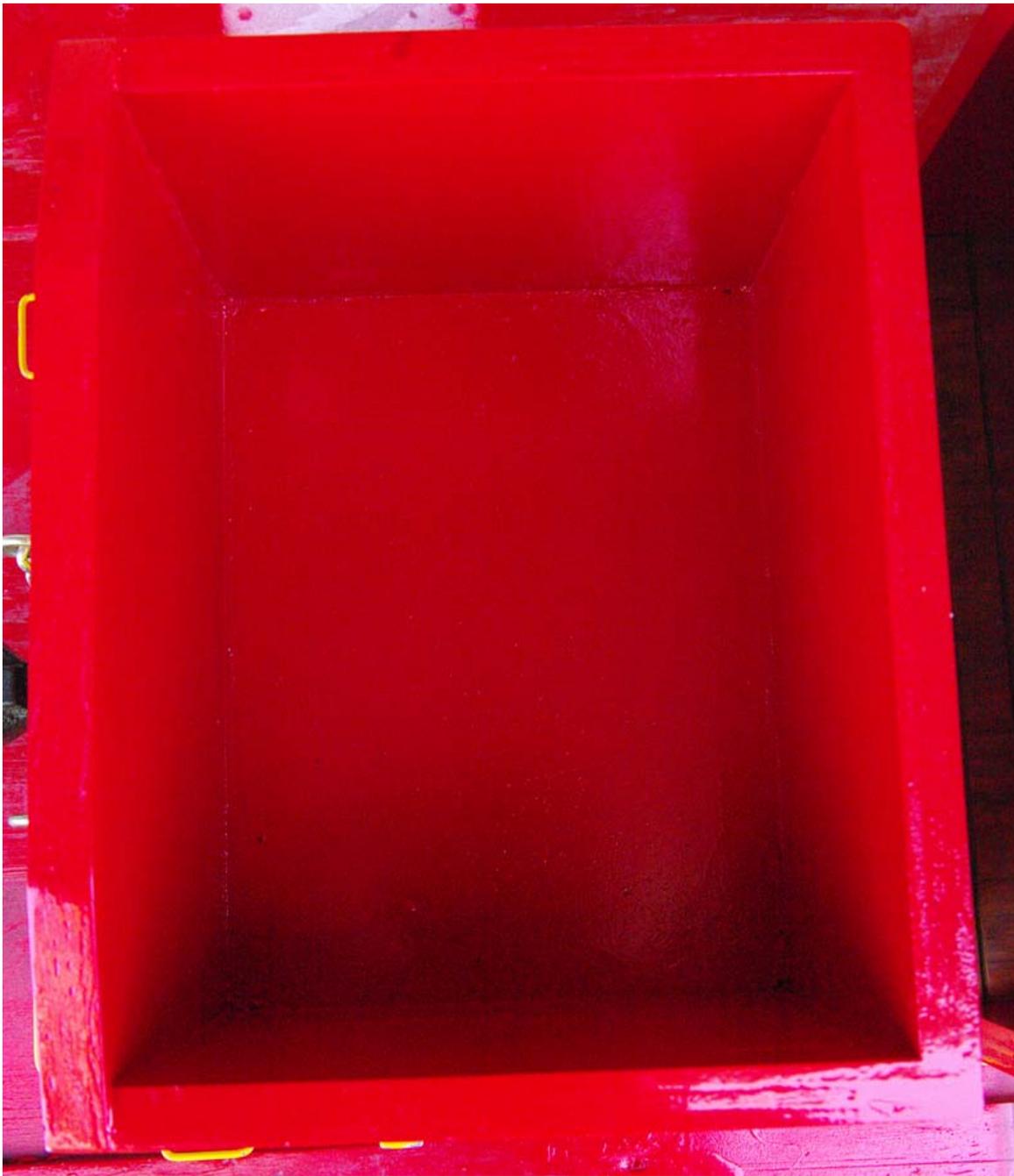
Drawer



Top overhangs
drawer to keep rain
out of drawer.

Drawer

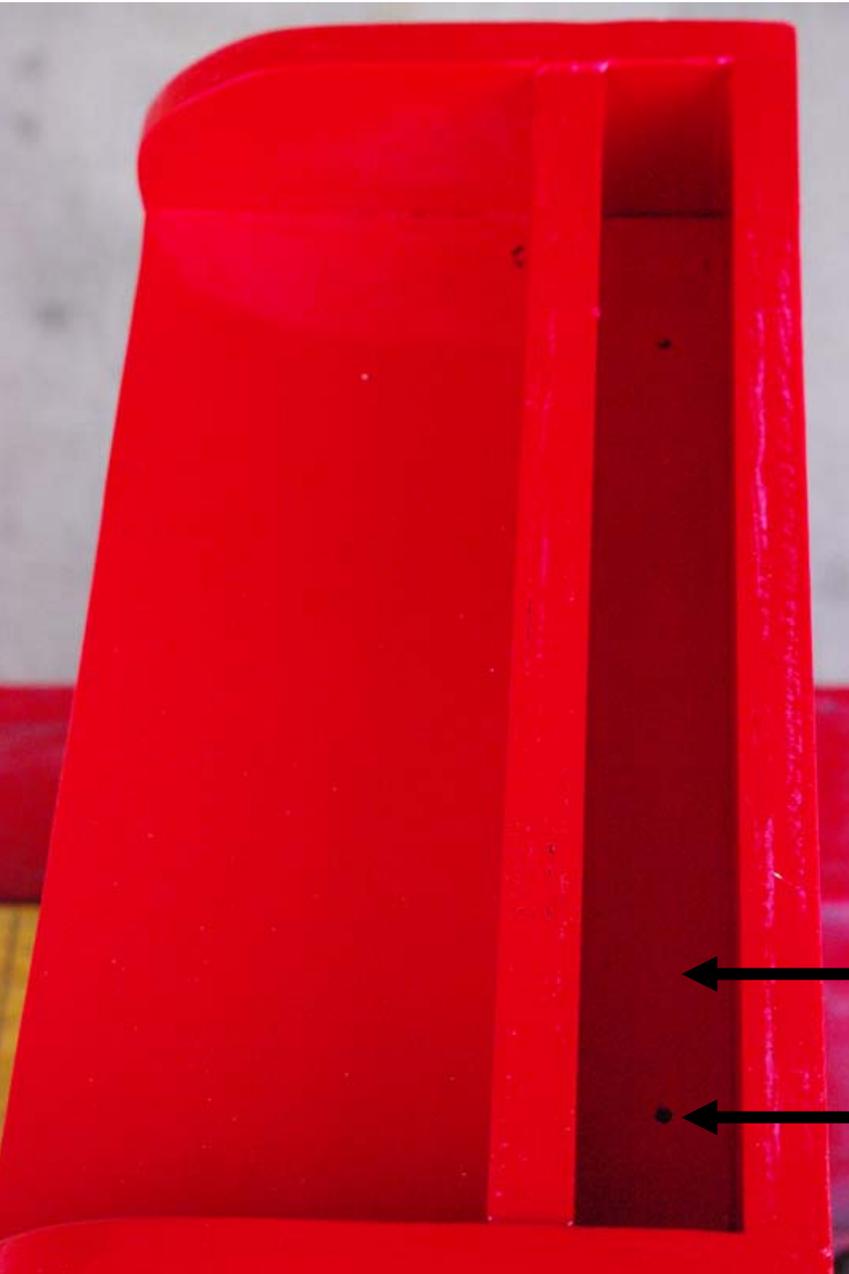
No holes in bottom,
it will hold water.



Conductor's Station



Conductor's Station



Drink holder

Shelf to sort waybills

Slot to hold waybills.
3 waybills wide.

Shelf to hold
timetables

Holes to
drain rain.

Conductor's Station

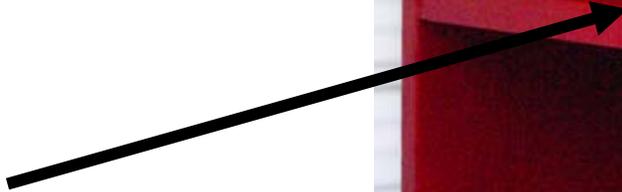
Shelf to sort waybills



Drink holder



Shelf to hold timetables



Room for your feet if you are long legged.



Finished



Next project is painting this car in Badger Line red and white.