

HART™



Coffee Table Cooler

PROJECT PLAN

Finished Dimensions: 45 1/4"W x 24 1/4"D x 18"H


Skill Level: Intermediate


Materials

Item	Qty
1" x 4" x 8' Board*	3
1" x 6" x 8' Board*	3
4" x 4" x 8' Board*	1
1-1/4"x 18-Gauge Collated Nails	1 Box
Sandpaper**: 150g, 220g & 320g	
Wood Glue	
6" Deep Steam Table Pan, Winco SPJP-106 (Click here to Purchase)	1

* Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

** Starting grit will depend on board surface condition, a rough surface will require starting with a coarse grit first.

 Grit is measured in the coarseness of the particles on the sandpaper. The lower the grit number, the coarser the paper. Heavy sanding would require 60 to 80 grit, medium sanding would require 120 to 220 grit, and finish sanding would require 320 to 400 grit. Super fine sanding would be 600 grit and higher.

 A select/premium board or plywood comes with a smoother surface finish. It is clear or has very few tight knots, and it will have straight and sharp edges. This grade of wood pairs well with other boards or panels better and requires less time to sand and finish.

Tools Used



Miter Saw



Brad Nailer



Orbital Sander



20V 4.0Ah Battery



Charger




Tape Measure



Safety Glasses

Also Needed:
Clamps

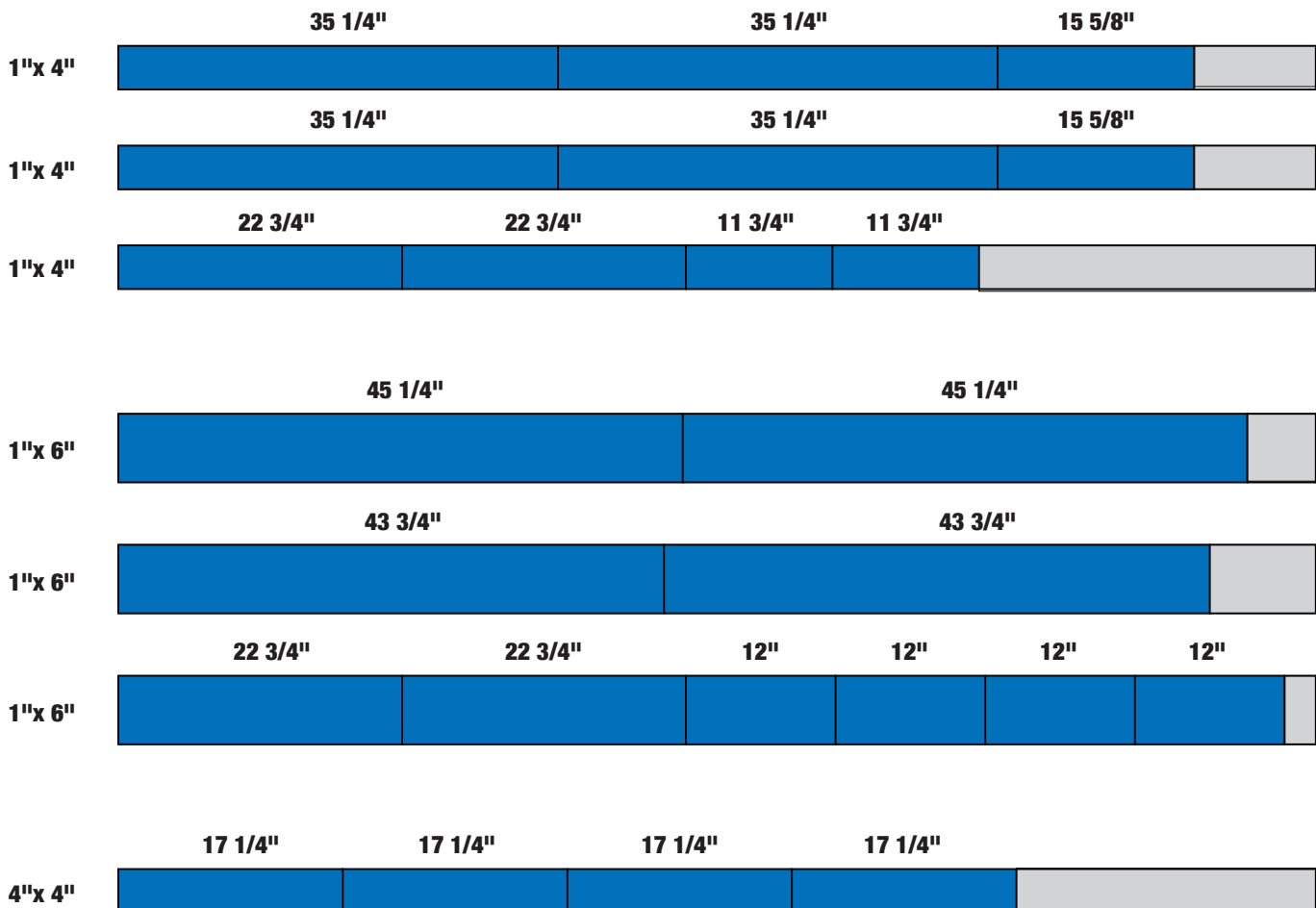
 **Battery Tip:** A 4.0 Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

Lumber Cut List

Board*	Description	Cut to	Qty
1" x 4"	Box Frame & Inner Apron Long Boards	35 1/4"	4
1" x 4"	Box Frame Short Boards	22 3/4"	2
1" x 4"	Inner Apron Side Boards	15 5/8"	2
1" x 4"	Inner Frame Boards	11 3/4"	2
1" x 6"	Front & Back Apron	45 1/4"	2
1" x 6"	Side Apron	22 3/4"	2
1" x 6"	Table Top Long Boards	43 3/4"	2
1" x 6"	Table Top Short Boards	12"	4
4" x 4"	Legs	17 1/4"	4

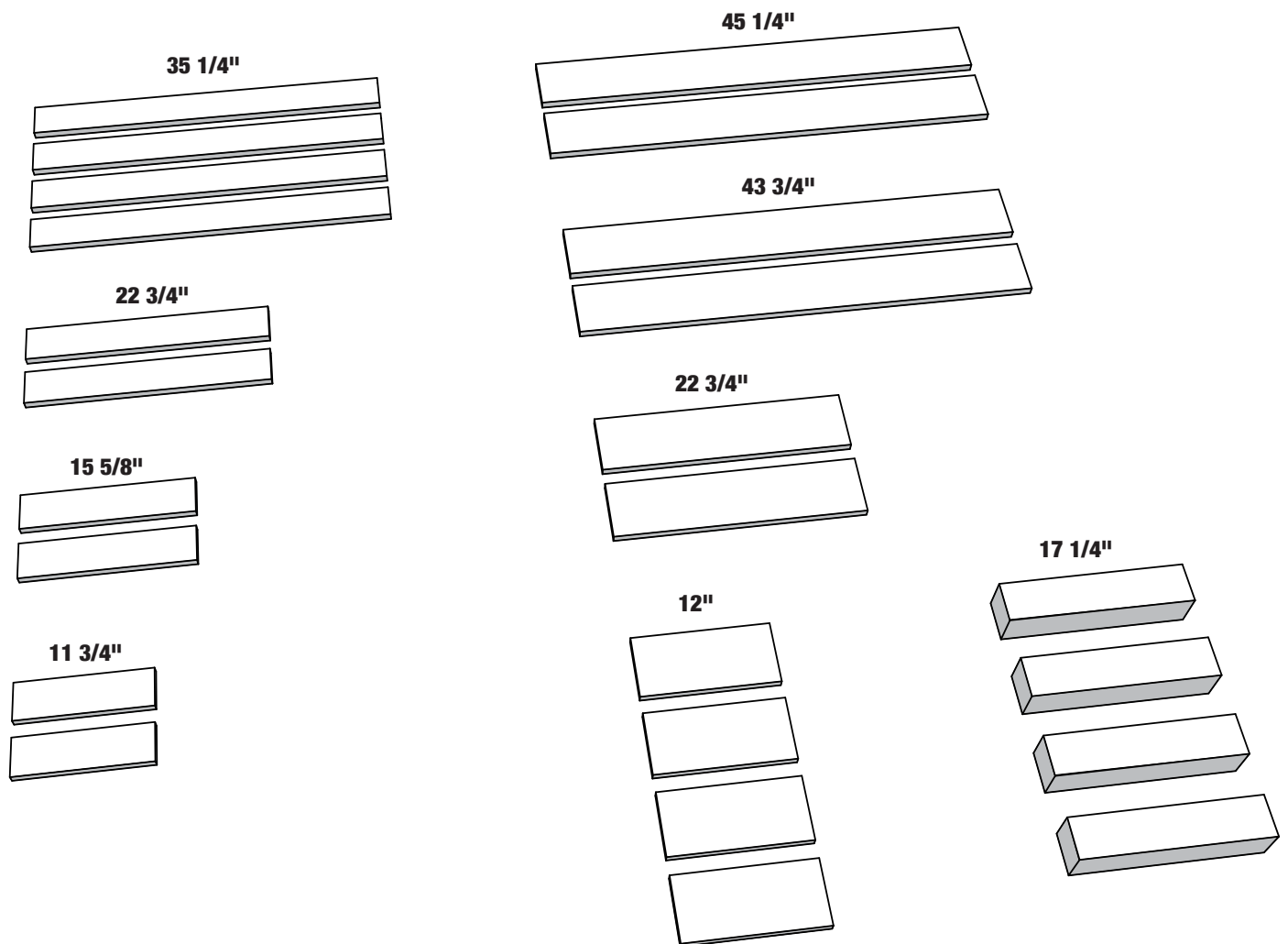
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Lumber & Sheet Layout Guide



Lumber & Sheet Cut Layout Guide

Boards



Assembly Instructions

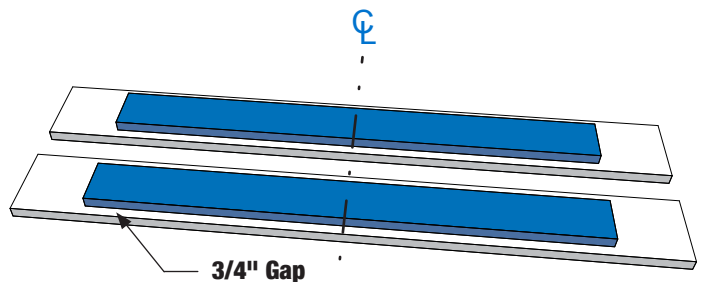
Step 1


Cut out all material using the Lumber & Sheet Cut Layout Guide.



Step 2

Start with (1) 1" x 6" x 45-1/4" apron board and (1) 1" x 4" x 35-1/4" inner apron long board. Set the inner board on top and center it lengthwise. Leave a 3/4" gap on the side that will become the upper end of the table apron. Mark the location of the board and lift to apply glue. Reset the board on top. Finish by nailing a few brad nails to the inward side of the apron. Repeat to create a second long apron.



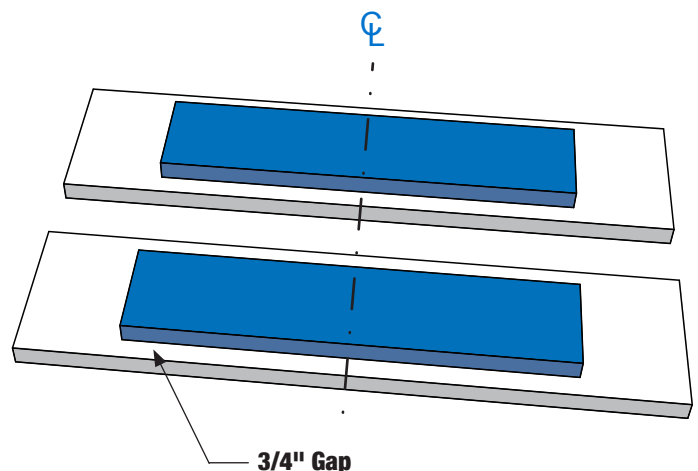
 **Tip - Use clamps to hold boards together while gluing and adding nails. Leave them clamped together until the glue is set.**



Step 3

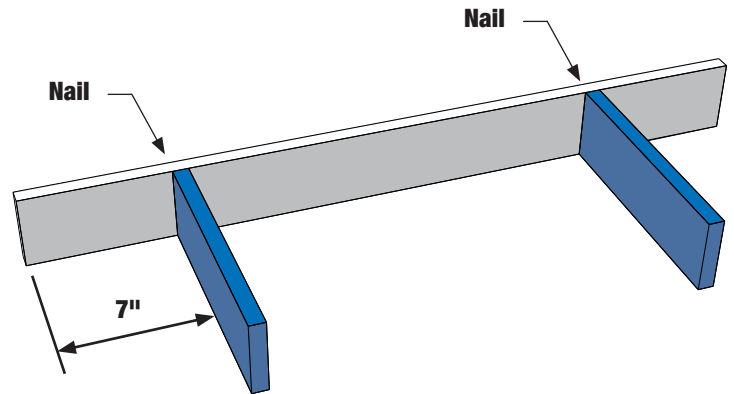
Follow the same process from Step 2 with the (2) 1" x 6" x 22-3/4" side apron boards and (2) 1" x 4" x 15-5/8" inner apron side board.

Align the boards and attach with glue and nails.



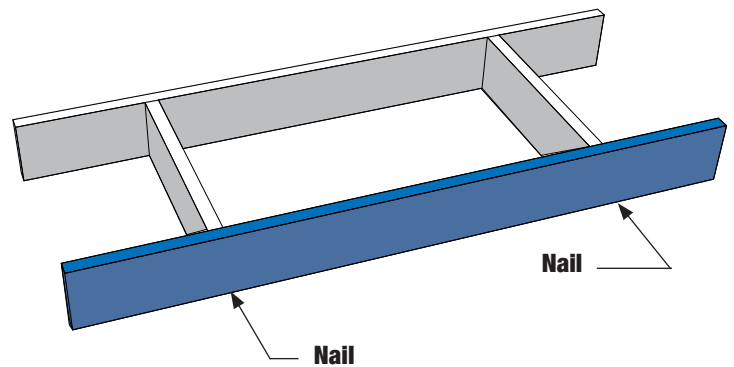
Step 4

Take (1) of the 1" x 4" x 35-1/4" box frame boards and measure 7" from both ends. Attach the (2) 1" x 4" x 11-3/4" inner frame boards with glue and brad nails.



Step 5

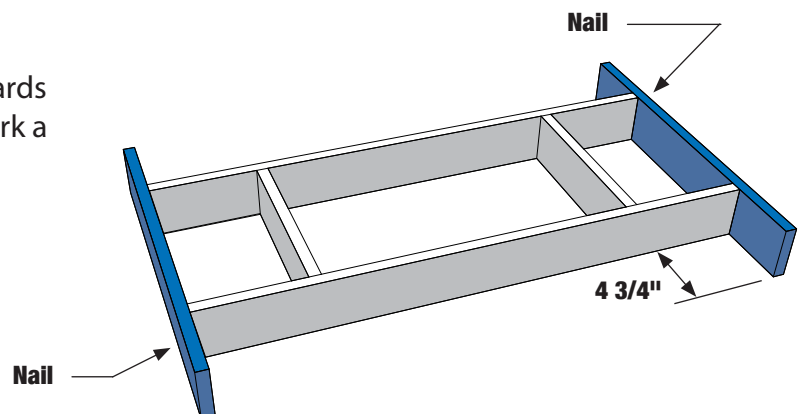
Take the second 35-1/4" box frame boards and measure 7" inward from each end. Glue and nail to the other end of the inner frame boards.



Step 6

Take the (2) 1" x 4" x 22-3/4" box frame short boards and measure 4-3/4" inward from all (4) ends. Mark a point.

Glue and nail at all (4) attachment points.



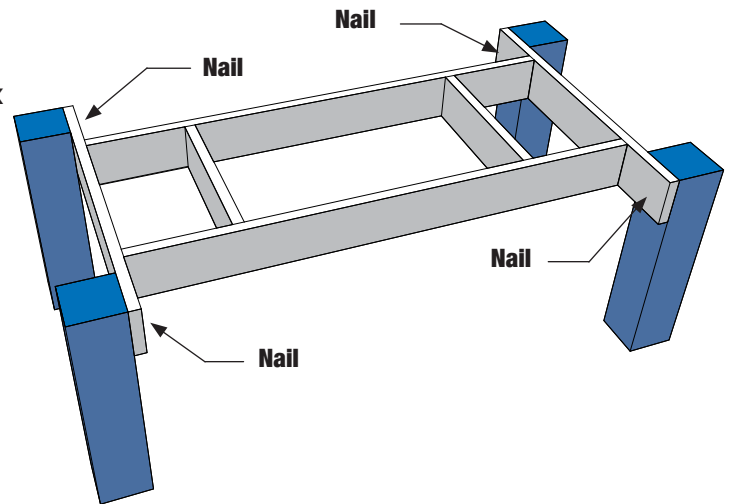
Step 7

Attach (1) 4" x 4" x 17-1/4" leg to each corner of the box frame.

Glue and nail the frame flush with the top outside edge of each leg.



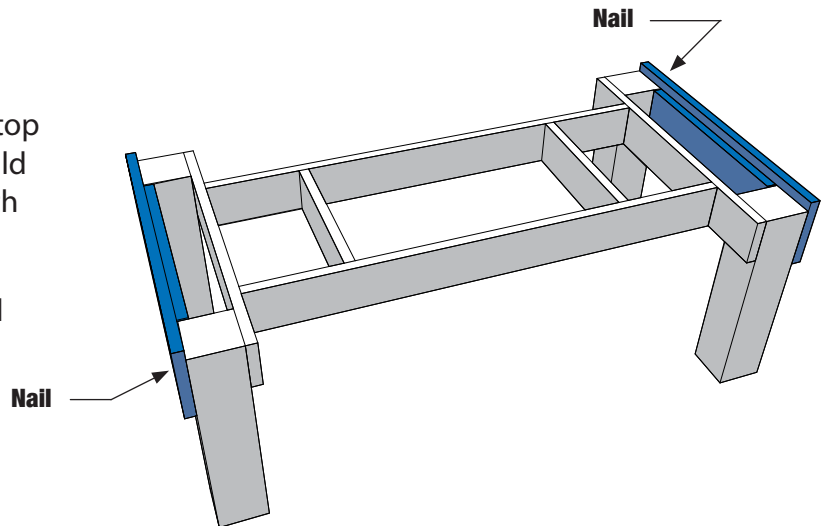
Tip -Use clamps to hold the box frame to legs while gluing and adding nails.



Step 8

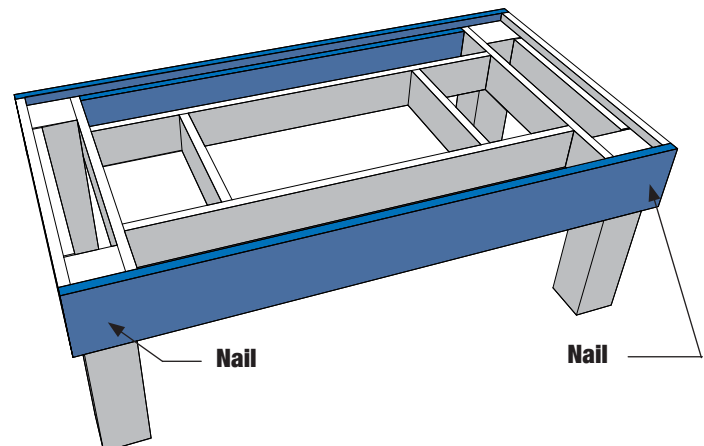
Align the side aprons to the short ends of the frame. Inner aprons should be flush with the top of the ledge and box. The outside apron should stick up 3/4" and the ends should be flush with the legs.

Attach with glue and nails. Clamp pieces until glue is set.



Step 9

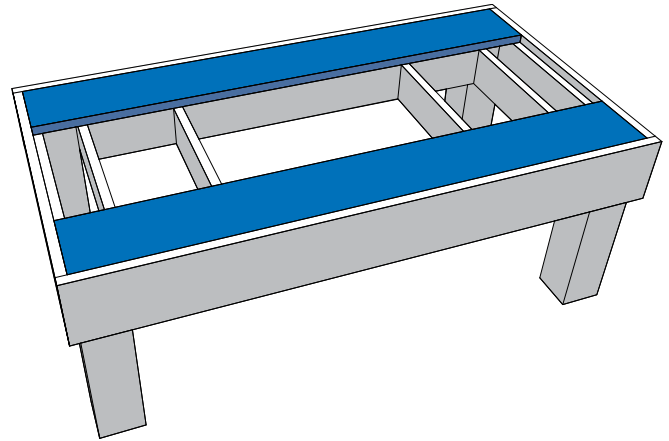
Align the back and front apron boards to the long ends of the box frame. Follow the same processed used in Step 8 to attach apron.



Step 10

Set the (2) 1" x 6" x 43-3/4" boards in the 3/4" recess and against the outside edges.

Attach to box frame using glue and nails.

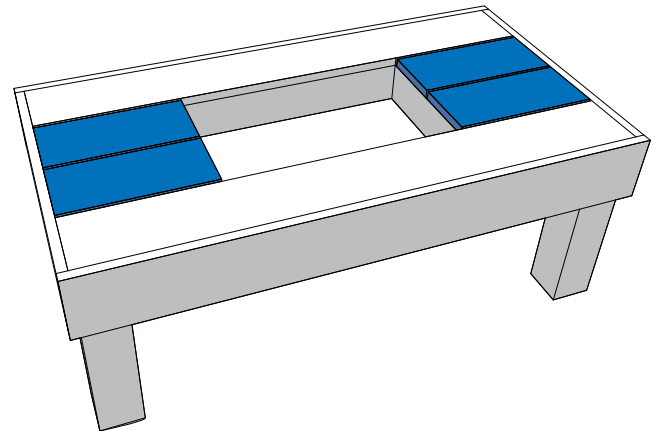


Step 11

Repeat Step 10 with the 12" short table top boards.

Create a gap in between boards that is equal distance from each other.

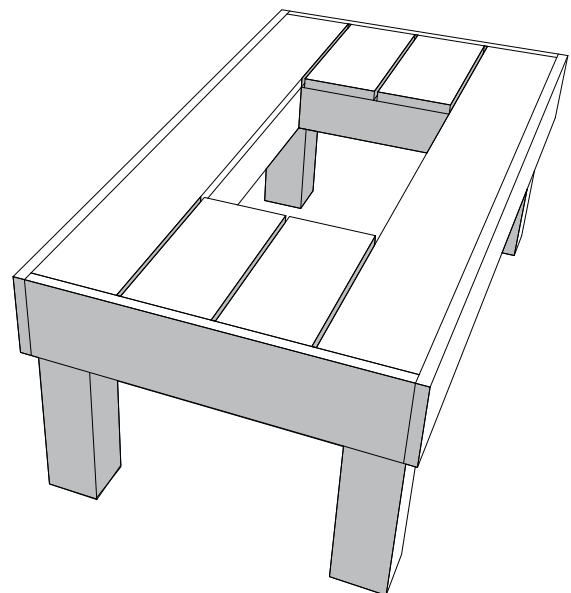
Glue and nail to inner frame boards and box frame.



Step 12

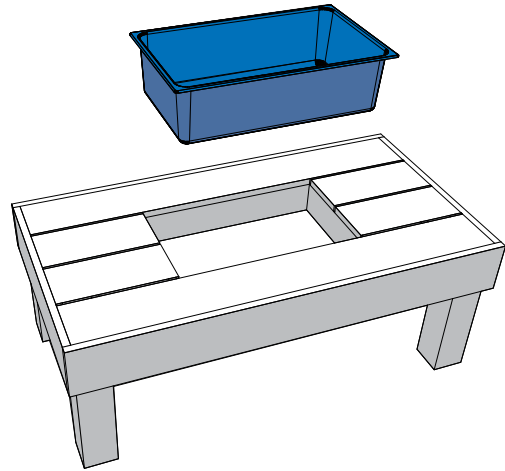
Sand and finish to your desire.

See sanding tips on Page 9.



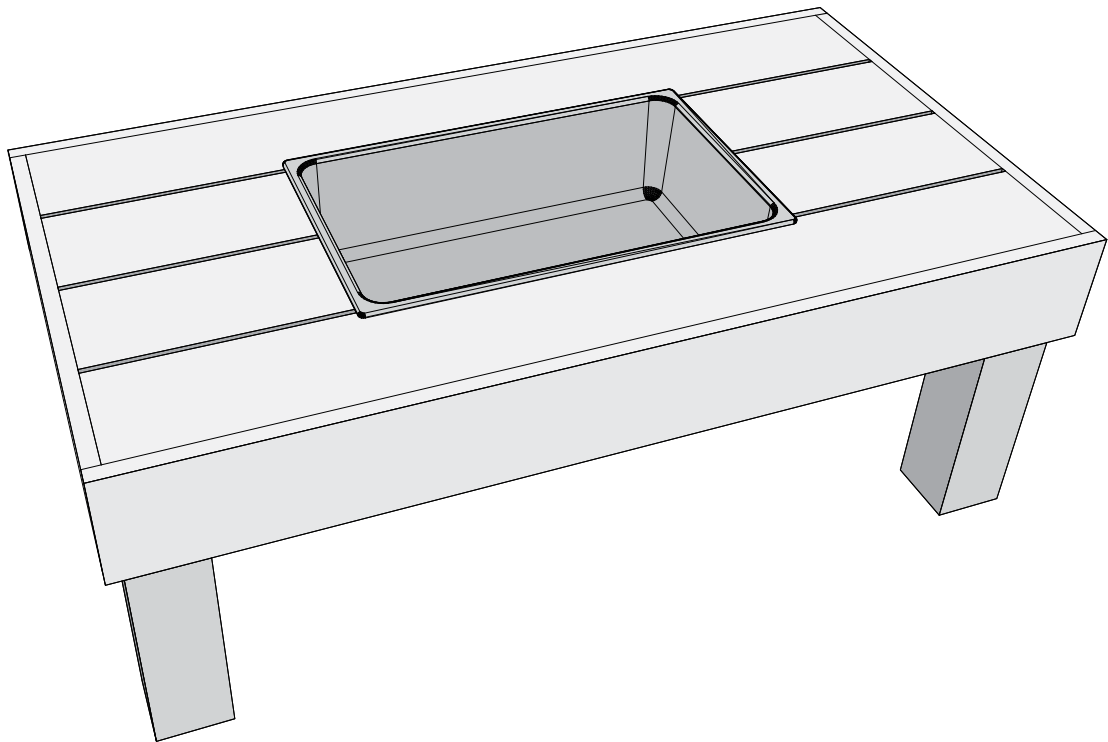
Step 13

Install a 6" deep steam pan into table.



Step 14

Project complete and ready for ice and your favorite drinks!



Rougher finish – Use 60-80 grit sandpaper to hand sand with the grain of the wood.

Smoother finish – Use 60-80 grit sandpaper to remove scratches & imperfections.

Followed by using 120-220 grit to smooth.

Finish Sanding – Use 320-400 grit sandpaper

Super fine sanding – Use 600+ grit sandpaper