

# HART™



## Outdoor Buffet Table

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# PROJECT PLAN

# Materials

Item	Qty
2"x4"x8'	1
2 1/2" wood screws	
2" wood screws	

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

# Tools Used



Miter Saw



Circular Saw



Tape Measure



Drill / Driver



Impact Driver



Orbital Sander



Safety Glasses



Carpenter's Pencil



Hart Bit Set

- Kreg jig
- Square
- Clamps
- 180 grit sandpaper
- Tack cloth

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

# Lumber Cut List

Board*	Description	Cut To	Qty
2"x4"x8'	Top	7 ½" long	4
2"x4"x8'	Legs	35" long	4
2"x4"x8'	Top	49" long	3
2"x4"x8'	Center Supports	30 ½" long	1
2"x4"x8'		38 ½" long	2
2"x4"x8'	Top	¾" x 12" x 60"	1

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

## Assembly Instructions

### Step 1

Cut all 2"x4"x8' boards to given lengths. (true size is 1 ¾" x 3 ½" x 96")

Cut List: 4 pieces at 7 ½" long, 4 pieces at 35" long, 3 pieces at 49" long, 1 piece at 30 ½" long, 2 pieces at 38 ½" long, Top Board 1 piece at ¾" x 12" x 60"

### Step 2

Mark a 32-degree angle on both sides of the two 38 ½" boards on chop saw (make sure the distance from edge to edge of angles is 36 3/16" long)

### Step 3

Predrill one side of each board using the Kreg jig with two pocket holes on each end of boards. The side with the pocket holes will become the back side of the boards.

- 7 ½" board, all pieces
- 49" board, all pieces

### Step 4

Start sub assembly 1: Lay both table legs (2- 35" pieces and 1- 49" top board.) flat (4" side down).

- Noting when assembling legs to top board, all edges (top and front face) are flush and square

## Step 5

Repeat step 4 to make sub assembly 2. Using the remainder of the 35" legs and a 2nd 49" top board.

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## Step 6

Lay down sub assembly 1 on to a flat surface with pocket holes facing up. Place 1 of the 7 ½" boards vertically at the top and in the center of the 4" width of the board. Pocket holes facing inward.

- Making sure that the 2" width is flush with the top of the 35" leg.
  - Also make sure that 7 ½" board is centered with in the 4" width of the 2x4. (this is the side top board)
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## Step 7

Measure up from the bottom of the 35" legs 4 ½" up and make a line. The line will be used later to align the bottom sub assembly.

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## Step 8

Repeat step 6 on the other leg of the sub assembly.

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## Step 9

On a flat surface, create bottom sub assembly

- Laying flat the remaining (2) 7 ½" boards and the remaining (1) 49" board on a flat surface. (pocket hole facing upward)
  - Center the 49" board in between the center of the 7 ½" boards. (overall length should be approximately 56" long.)
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## Step 10

Standing up the sub-assemblies 1 and 2 align the 7 ½" boards flush with the top and centered in the leg. (Refer back to step 4 noting.)

## Step 11

Place bottom sub assembly between the 4 legs pocket hole facing down, aligning the top edges with the lines that were placed on the 35" legs in step 7.

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## Step 12

Installing the center supports.

- find the center of the bottom 49" board in both the length and width.
  - placing the 30.5" board on end center over marks and draw around board with a pencil. remove board and predrill two holes through the 49" board in between the marked area.
  - Do not get too close to the marked edges.
  - lay the base on its side to fasten the 30 1/2" board to the 49" board from bottom side.
  - set base back up
  - place one of the two boards that has the 32-degree cuts onto the 49" bottom board
  - aligning the edge of the board up against the edge of the center board, allowing the top to rest on the top frame. Mark around this board and repeat this step on the other side.
  - remove boards and predrill holes in the marked areas.
  - lay base on its side and install screws from bottom side into reinstalled angle boards.
  - Make sure that boards are held tight and level for best outcome. (a straight edge works well to make sure all three boards are aligned).
  - once all fasteners are tight stand base up.
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## Step 13

- set 3/4" x12"x60" board onto the top of the base
- center board side to side.
- make the back flush allowing the overhang to the front of the buffet table.

There are multiple ways to attach the top, our way was to predrill from underneath at an angle into each leg to the top board. Be careful not to go through the side of the leg or that your screw goes through the top board. This is also where you will attach the top of the center 35" board to top and the two 32-degree angle board to the 7 1/2" side top boards.

## Step 14

Sand all surfaces of completed table smooth with orbital sander/180 grit sandpaper, then wipe down with tack cloth

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## Step 15

Stain table with your choice of stain

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## Step 16

Polyurethane table with product rated for outdoor use

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