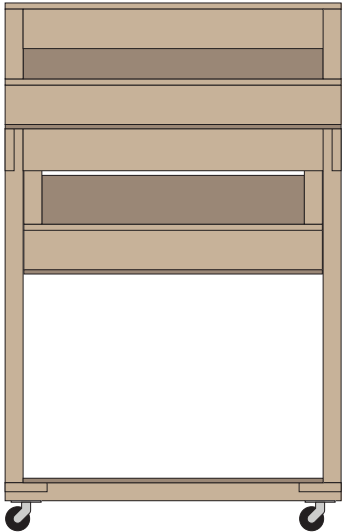
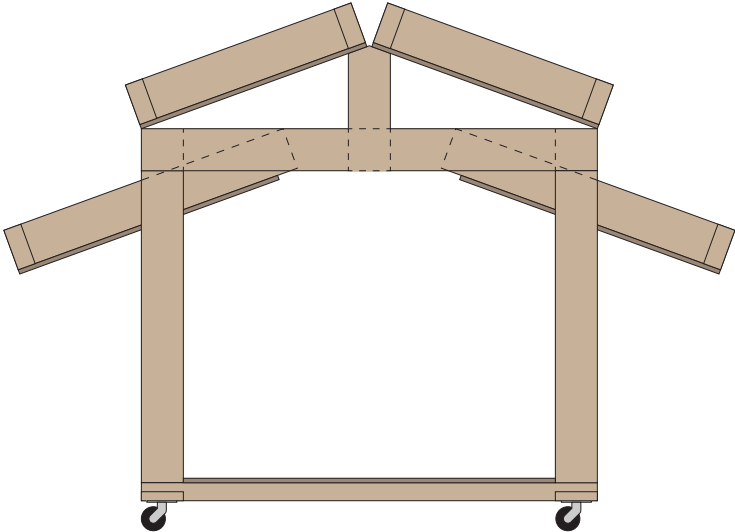


Mobile Market Double Stand



Dedicated to Pogue's Run Grocer, its Founders,
Managers, Members, Volunteers, Customers, and
Vendors throughout central Indiana.

The authors, Indianapolis, summer, 2011.

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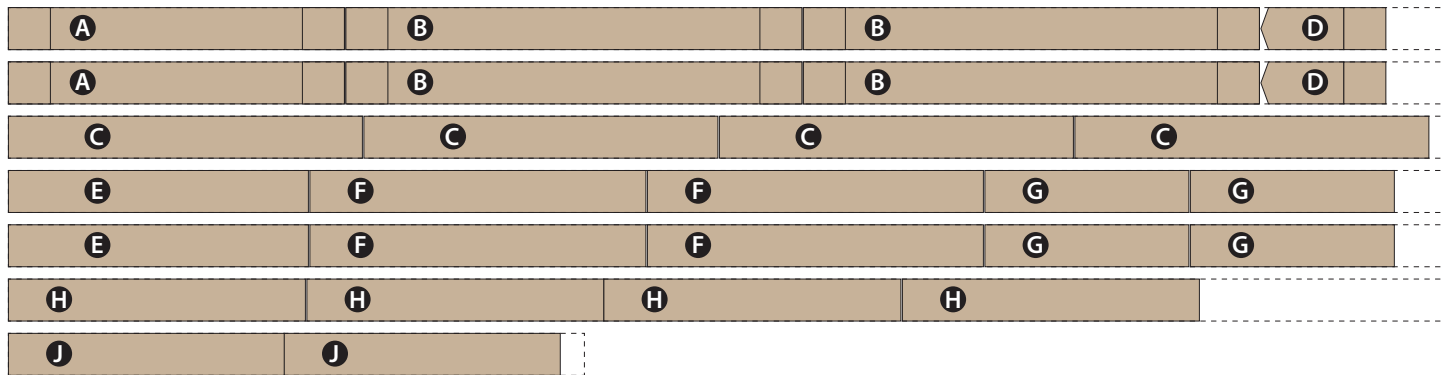
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Materials & Supplies

Lumber

All of the framing for this project can be cut from standard 2×4 s (1 four-foot and 6 ten-foot lengths). To prevent issues

when building, we recommend Grade B lumber or higher. Specifications for each piece are on the following page.*



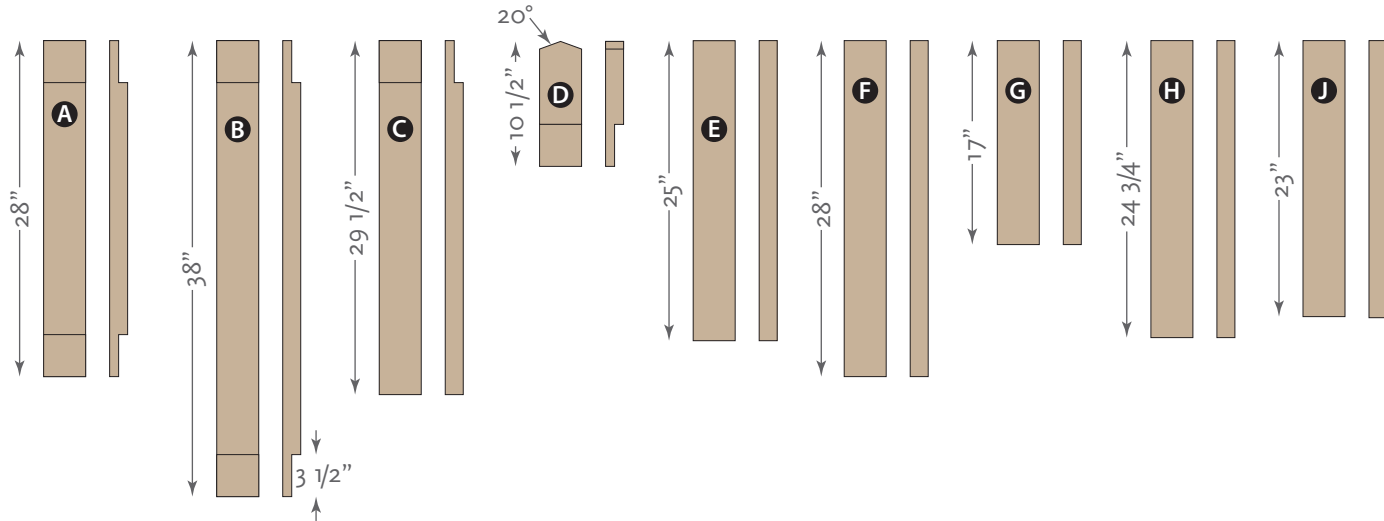
For the sake of readability, there is no piece "I."

Lumber

Materials & Supplies

As shown below, pieces A through D use a half-lap joint (detailed on piece B). This joint requires the use of a power

tool such as a router or table saw. Please use all caution, wear eye protection and appropriate clothing.

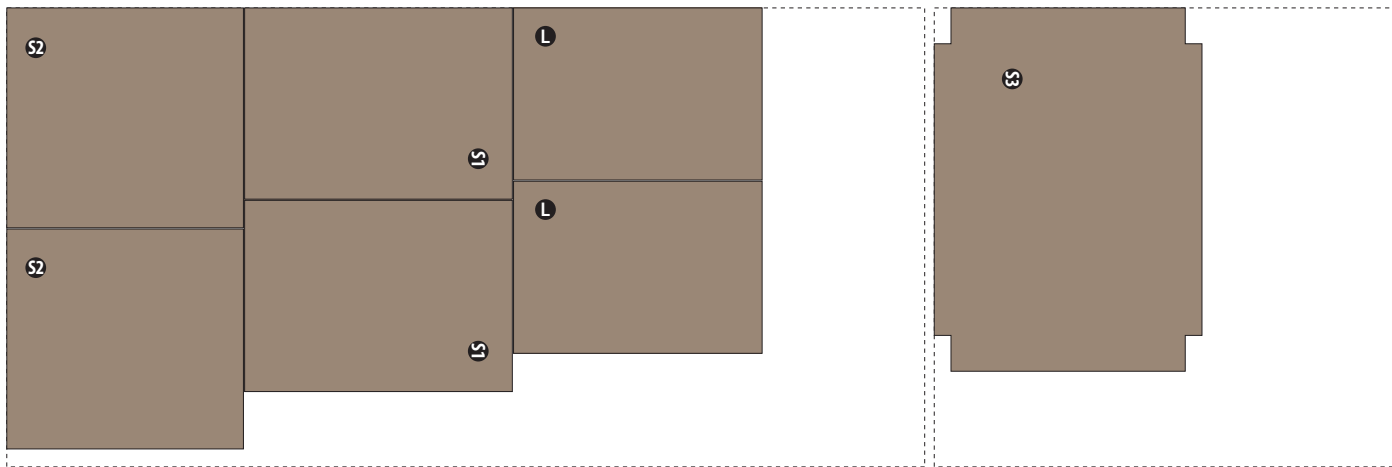


Materials & Supplies

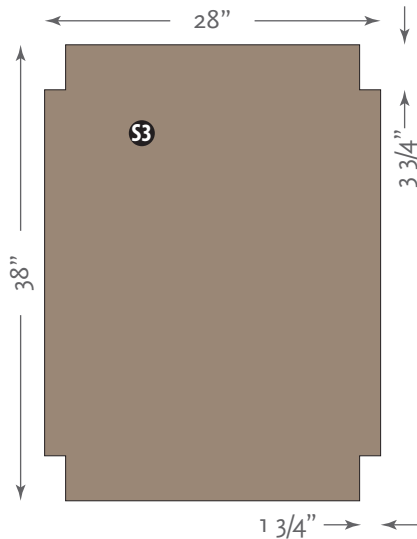
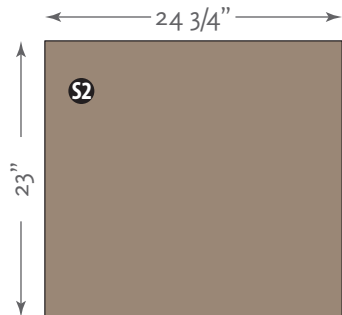
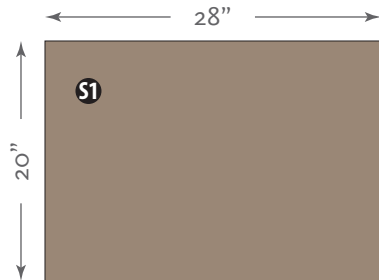
Shelving

As shown, the shelving for this project requires one full 4' x 8' sheet and a half of plywood. All drawings in this manual show a thickness of $\frac{3}{8}$ " (recommended).

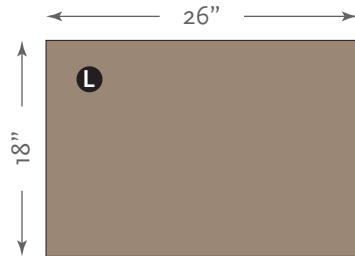
Due to their porous nature and susceptibility to moisture and bacteria, materials like particle board, fiberboard, OSB and MDF are **STRONGLY** discouraged.



Shelving, Hardware



Materials & Supplies



Hardware to build the Mobile Market includes deck screws:

#10 × 1 1/4" (Qty. X)

#10 × 2 1/2" (Qty. X)

For durability and moisture resistance, urethane glue is recommended for all joints. Follow manufacturer's instructions.

Step 1: Frame Base

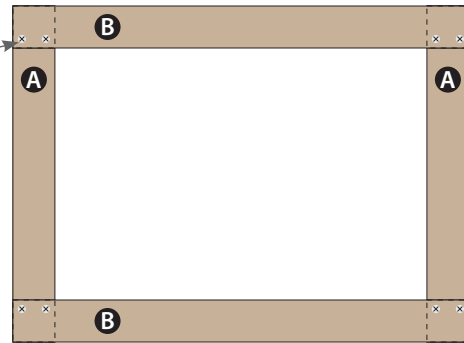
Qty. 2



Qty. 2



- 1) Glue Lap Joints
- 2) Use 1 1/4" deck screws as shown (Qty. 8)



(Top View)

(Front View)

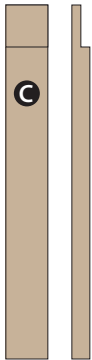


Step 2: Front Frame (Qty. 2)

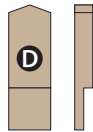
Qty. 2



Qty. 4

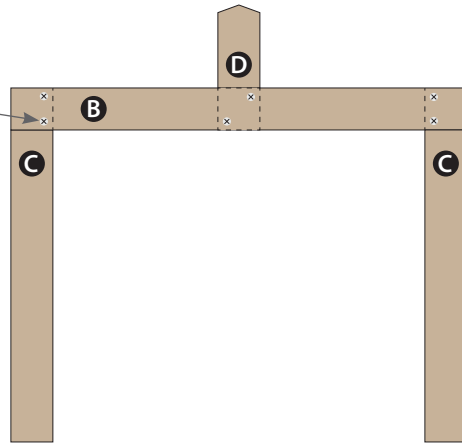


Qty. 2



1) Glue Lap Joints

2) Use 1 1/4" deck screws as shown (Qty. 12)



(Front View)



(Side View)

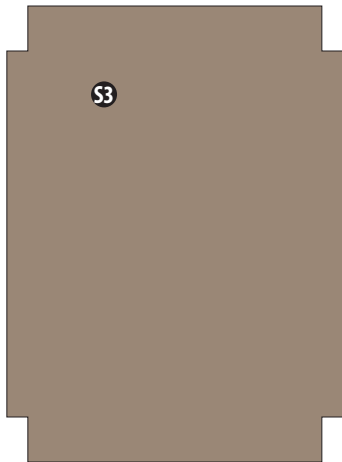
Step 3: Frame Assembly

Qty. 2



Also Req'd:
Frame Base and
Front Frame
Assemblies.

Qty. 1

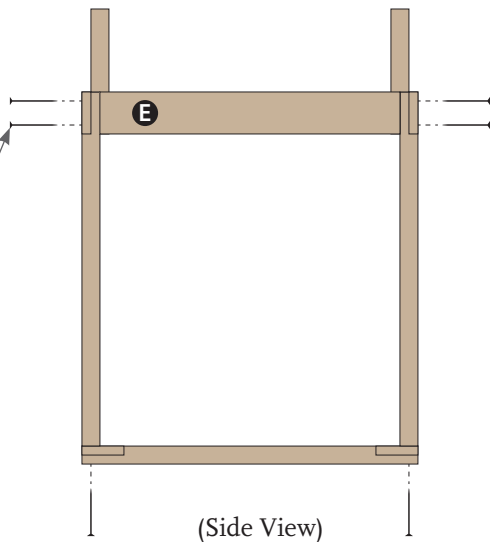


1) Make sure
Frame Base and
Front Frame as-
semblies are dry
before this step.

2) Glue All Joints

3) Use 2 1/2" deck
screws as shown
(Qty. 16)

4) Attach bottom
shelf with 1 1/4"
deck screws (8).



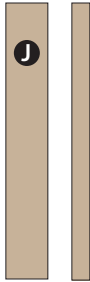
(Side View)

Step 4: Lower Trays (Qty. 2)

Qty. 4



Qty. 2



Qty. 2

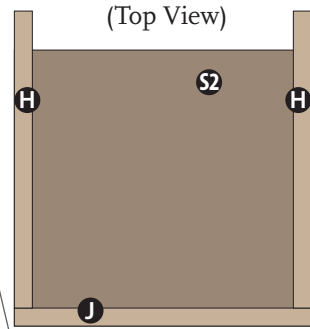


1) Glue All Joints

2) Use 2 1/2" deck screws as shown (Qty. 8)

3) Attach plywood with 1 1/4" deck screws (Qty. 16).

4) Drill (2) 1/2" holes in the front corners of each tray for purposes of drainage.



(Front View)

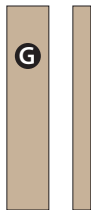


Step 5: Upper Trays

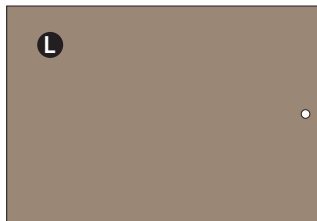
Qty. 4



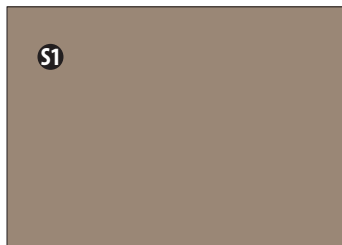
Qty. 4



Qty. 2



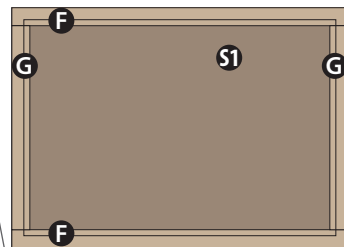
Qty. 2



1) Glue All Joints

2) Use 2 1/2" deck screws as shown (Qty. 16)

3) Attach plywood with 1 1/4" deck screws (Qty. 8).



(Top View)

4) Drill (2) 1/2" holes in the front corners of each tray for purposes of drainage.



(Front View)

5) Recessed Lid:
Using a hand router, cut a 3/8" rabbet on the inside edge of each assembled tray. The depth should be the same as the thickness of the plywood being used.

6) Drill one 3/4" finger hole along the horizontal center of piece L, 1" from one end.

Step 6: Decoration

Before proceeding further, we suggest finishing the individual assemblies.

Since the purpose of the Mobile Market is to display unpackaged food items, it is critical to use caution in choosing a food-safe finish.

First, plane and/or sand all rough edges and surfaces. This will not only ensure good paint adhesion, but also prevent injury. Also be sure all screw heads are either at or below the surface.

Next, caulk the inside edges and corners of both the upper and lower trays. We recommend acrylic and/or acrylic latex caulk, as it provides much better paint adhesion than silicone. Do not use wood filler, as it is solvent-based.

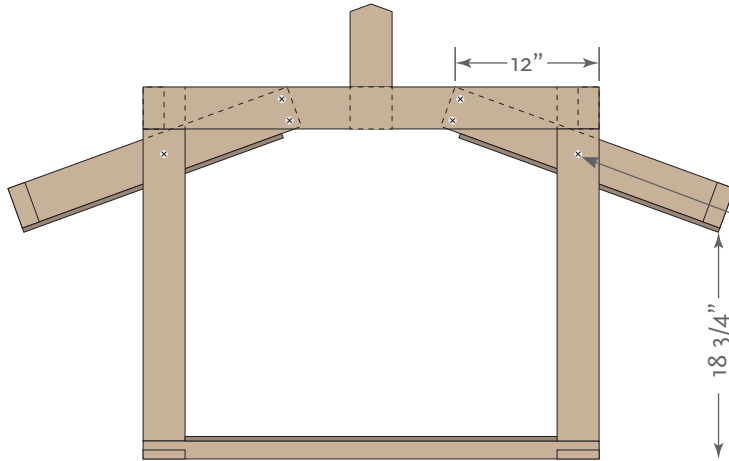
Next, choose a latex and/or acrylic primer. Solvent-based primers are toxic and therefore, not food-safe. Also be sure to avoid antibacterial products like Killz™, which contain chemicals that can transfer to food. Multiple thin coats work better one heavy one.

As the Mobile Market has many surfaces, double-check all of them are covered before proceeding to paint.

The paint choice should be a similar non-antibacterial acrylic/latex as the primer.

Maintenance should be performed both at the start and end of each growing season. Check for signs of mold, worn paint, and replace trays whose caulk has become detached.

Step 7: Lower Shelf Installation

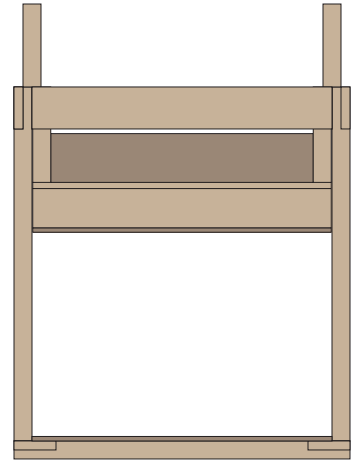


(Front View)

1) Be sure Frame Assembly is dry before this step.

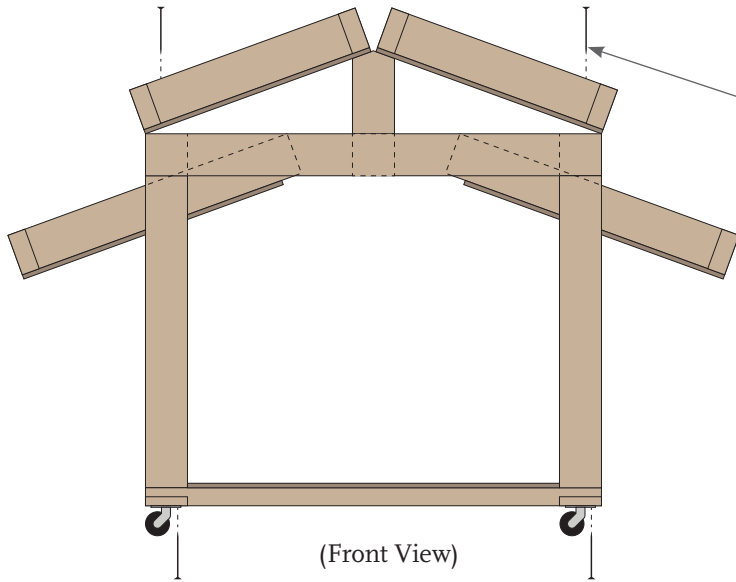
2) Do Not Glue

3) Use 1 1/4" deck screws as shown (Qty. 12)



(Side View)

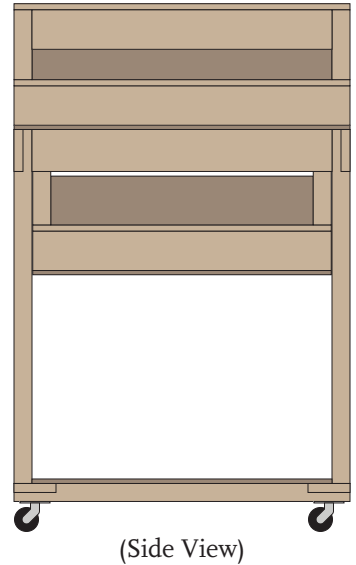
Step 8: Final Assembly



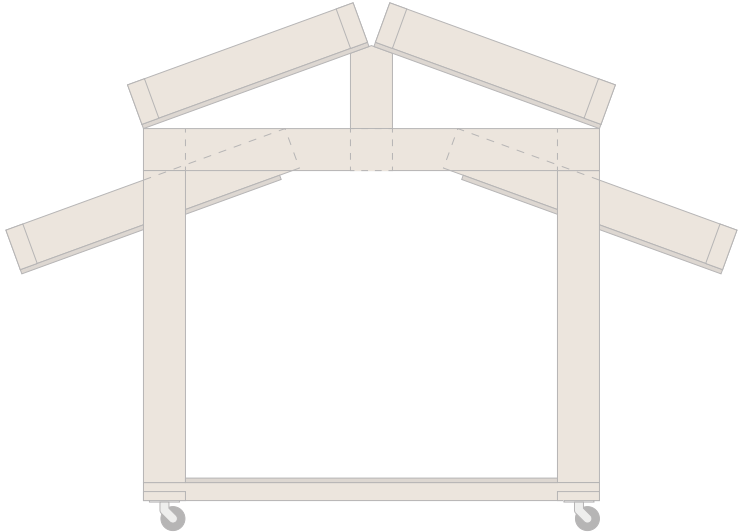
1) Do Not Glue

2) Use 2 1/2" deck screws as shown (Qty. 8)

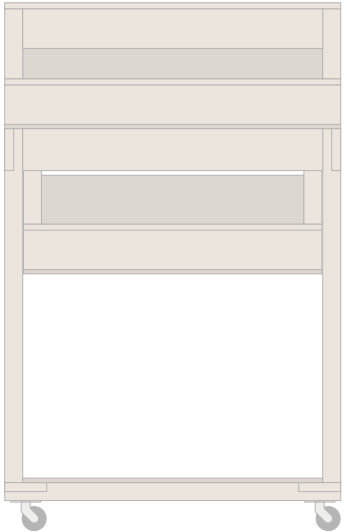
3) Attach casters with 1 1/4" deck screws (Qty. 16)



Mobile Market Double Stand



Fabrication & Assembly Manual



Closure, Germer & Roemer