

# ASSEMBLY INSTRUCTIONS



S H E L F R E L I A N C E <sup>TM</sup>

## Food Rotation System

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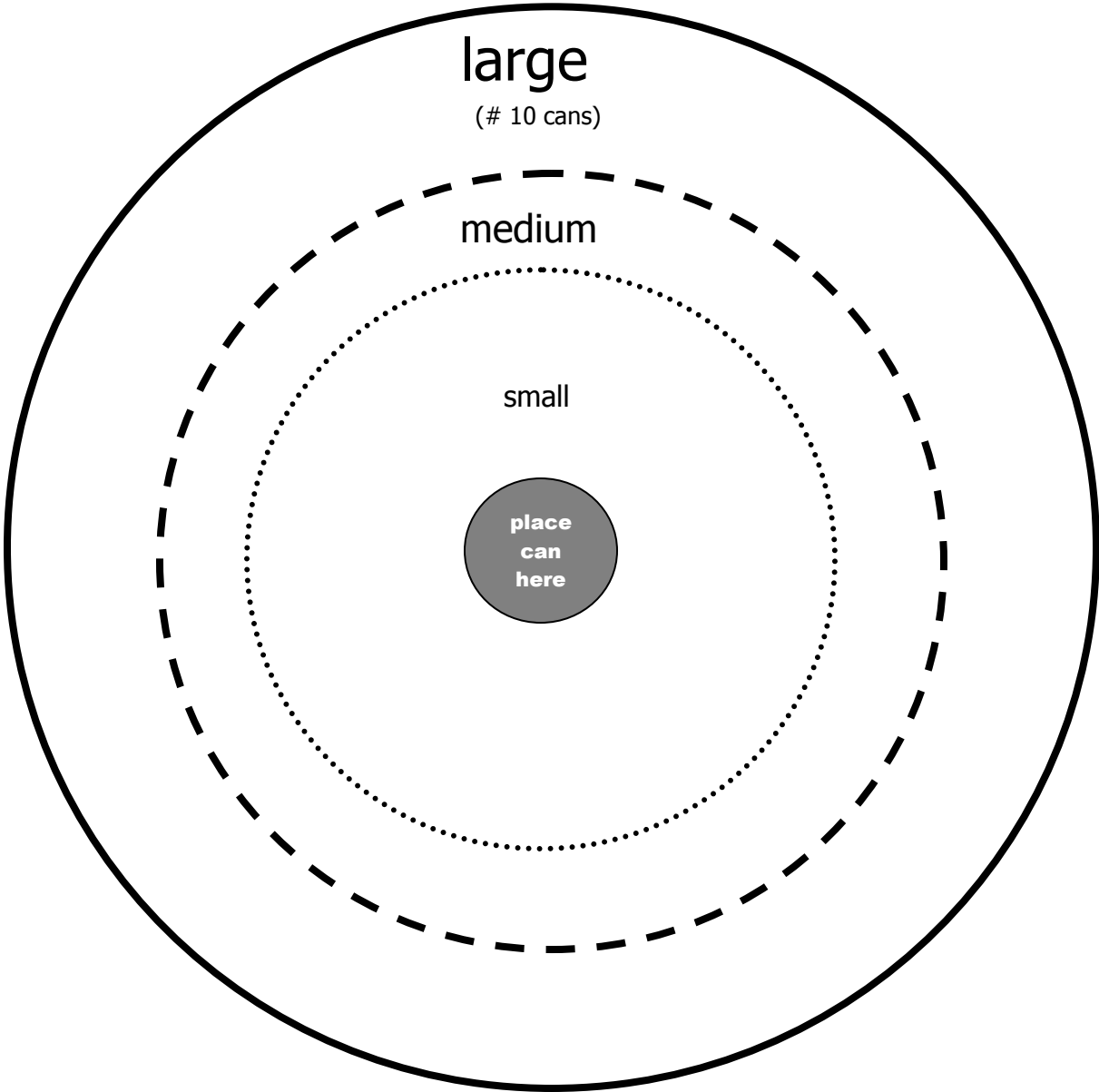
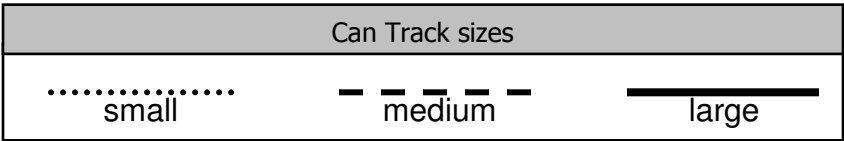
### CONTACT US FIRST!!!

If you have damaged or missing parts, please contact us by phone or email.

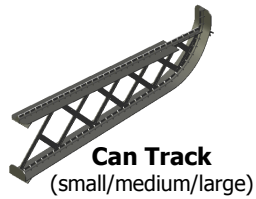
**Note:** The picture used in the assembly instructions is a general picture of a Food Rotation System. Although your system may vary in size and dimension, these instructions are suited for all Food Rotation Systems.

# CAN SIZING DIAGRAM

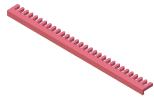
The circles below represent various can sizes. To determine which Can Track to use, place can right side up in the center of the chart. The closest visible line to the edge of the can indicates which Can Track to use.



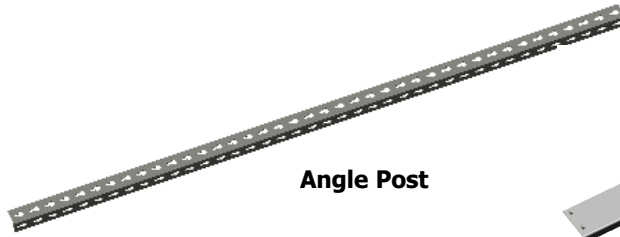
## PARTS (see the parts list on the back page for the exact components of your FRS)



**Can Track**  
(small/medium/large)



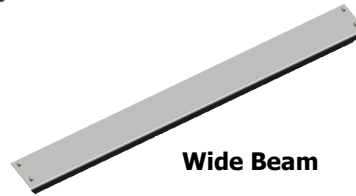
**Strap**



**Angle Post**



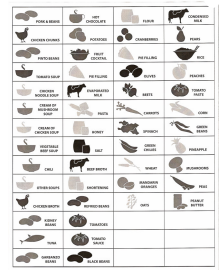
**Crossbar**



**Wide Beam**






**Post Cap**



**Magnet page**

## TIPS

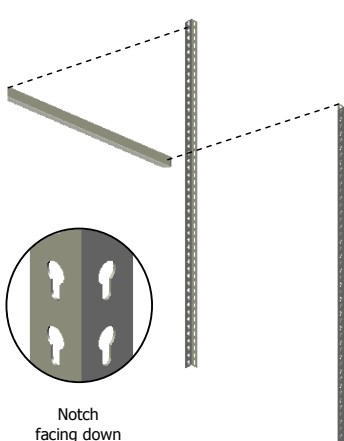
- Storage area.** To optimize food shelf life, set up your Food Rotation System in a cool area that experiences few temperature fluctuations, ideally 40°-70°.
- Assembly.** Assemble the unit on a sturdy, level surface (not carpet). You should have at least two people help with assembly.
- Mallet.** Use a hard rubber or plastic mallet to pound metal pieces together. (A hammer may leave dents and chips in the paint).
- Connecting metal pieces.** Pound beams and crossbars with a mallet until the rivets have firmly set into the bottom of the notches. This is extremely important to ensure maximum stability of the frame and proper fit of Can Tracks. If needed apply a simple lubricant to the rivets to help them slide into the notches.
- "Notch"** is the "key-hole" segments of an angle post. 
- "Rivet"** is the 1/2" round button that inserts into a notch. 
- "Lip"** is the horizontal edge of a beam. Except for bottom wide beams, the lip of the beam should be on the bottom facing inward. 



**CAUTION:** Failure to pound all wide beams and crossbars so the rivets are set firmly into the bottom of the notches may cause this product to tip over and could result in serious injury!

## FRAME

**CAUTION:** The surface on which your Food Rotation System (FRS) stands must be level and solid. Beware that the FRS may cause scratches or other damage to tile, linoleum, wood, and other fine surfaces. To help avoid floor surface damage, we recommend using "Easy Sliders" which can be purchased at Shelf Reliance or home improvement stores. Also, leave enough room behind the FRS during set-up to walk behind it and attach straps. After assembly, the FRS can be backed up against a wall before loading.

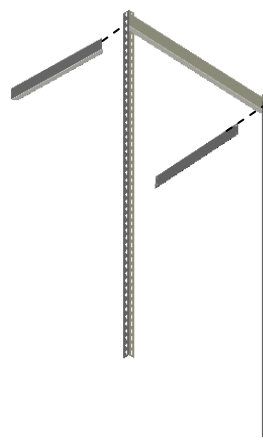


Notch facing down

### STEP 1

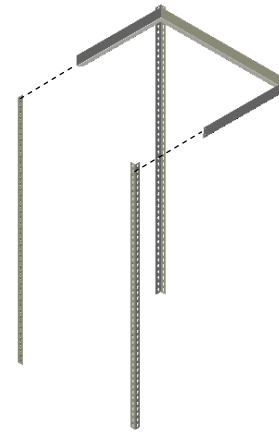
Stand 2 **angle posts** upright. Attach a **long wide beam** (without Shelf Reliance logo) to the top two notches of angle posts. The lip should be on bottom, facing inward.

**Note:** The 24" deep Pantry FRS and 18" deep Reserve FRS have no long wide beams--use all short ones.



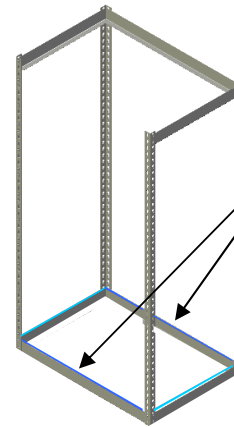
### STEP 2

Attach a **short wide beam** to each angle post.

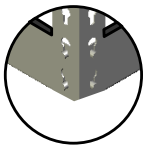


### STEP 3

Attach remaining **angle posts**.



NOTE: These 2 wide beams are found only in 72" and 51" tall FRS's



1<sup>st</sup> & 2<sup>nd</sup> notch from bottom, lip inward & up

### STEP 4

Attach **short & long wide beams** to bottom of angle posts, in the 1<sup>st</sup> & 2<sup>nd</sup> notch from bottom. This time lip should be on top facing inward.

**Note:** the beam with the Shelf Reliance logo will be attached later

**Note:** not all FRS's have a wide beam on the bottom front or back--only 72" and 51" tall FRS's

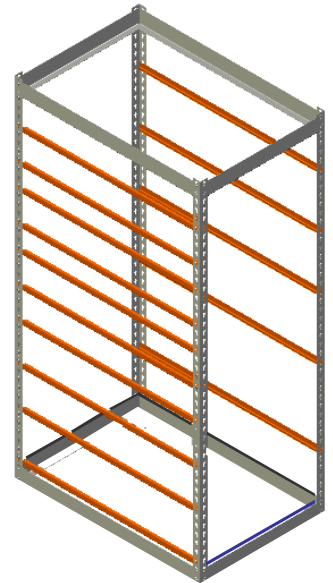
**IMPORTANT:** For maximum stability, pound down on beam until rivets are secure in bottom of notches.

## CROSSBARS

**NOTE:** If you have swapped out or added an additional row of Can Tracks, skip step 5 and refer to the page entitled "Crossbar attachment for CUSTOMIZED Food Rotation System"

**Step 5:** Attach **crossbars** (lip on bottom facing inward) to the front and rear side of the frame in the following notches (counting from bottom up):

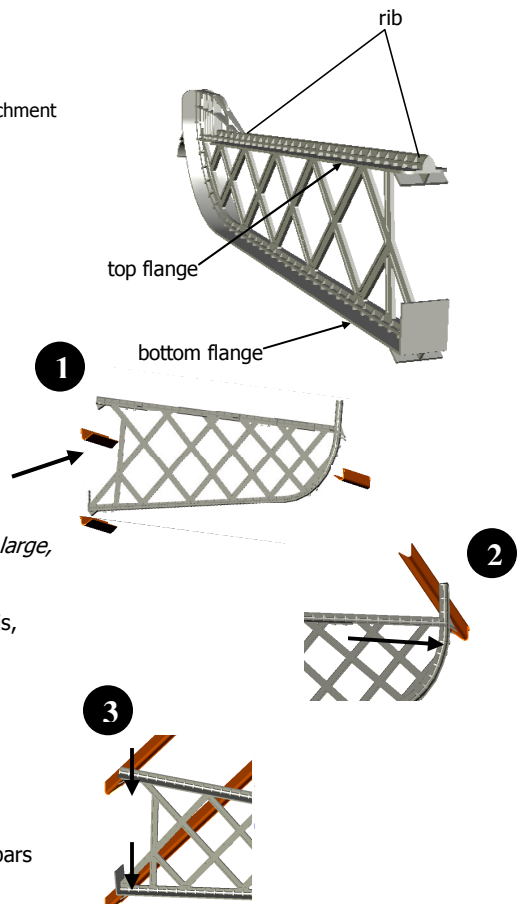
|                     | Model   | Height | Front                                 | Rear               |
|---------------------|---|--------|---------------------------------------|--------------------|
| <b>24"</b><br>depth | Harvest (36.5" wide)                                | 72"    | 5, 11, 16, 21, 25, 29, 32, 36, 39, 43 | 10, 20, 28, 35, 42 |
|                     | Plenty (30.5" wide)                                 | 51"    | 3, 8, 12, 16, 19, 23, 26, 30          | 7, 15, 22, 29      |
|                     | Pantry (24.5" wide)                                 | 39"    | 3, 7, 10, 14, 17, 21                  | 6, 13, 20          |
|                     | Reserve (18.5" wide)                                | 27"    | 3, 7, 10, 14                          | 6, 13              |
|                     | Harvest #10 (36.5" wide)                            | 72"    | 3, 9, 14, 20, 25, 31, 36, 42          | 8, 19, 30, 41      |
|                     | Plenty #10 (30.5" wide)<br>Reserve #10 (18.5" wide) | 39"    | 3, 9, 14, 20                          | 8, 19              |
| <b>18"</b><br>depth | Harvest (36.5" wide)                                | 72"    | 5, 10, 14, 19, 23, 27, 30, 34, 37, 41 | 9, 18, 26, 33, 40  |
|                     | Plenty (30.5" wide)                                 | 51"    | 3, 8, 12, 16, 19, 23, 26, 30          | 7, 15, 22, 29      |
|                     | Pantry (24.5" wide)                                 | 39"    | 3, 7, 10, 14, 17, 21                  | 6, 13, 20          |
|                     | Reserve (18.5" wide)                                | 27"    | 3, 7, 10, 14                          | 6, 13              |



**Step 6:** **Top wide beam.**  
Attach the remaining **wide beam** (with Shelf Reliance logo) to the front top side of the frame.

**Step 7:** **Post caps.**  
Insert a post cap on top of each angle post.

## CAN TRACKS



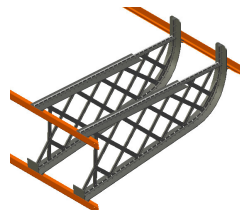
**Step 8:** **Attachment.**  
Now that the frame is set up, it's time to insert the Can Tracks. Depending on which FRS you purchased, you may have one, two, or all three sizes of Can Tracks.

**Note:** If you have different sizes of Can Tracks, remember to put the large Can Tracks on the bottom row, medium Can Tracks above the large, and small Can Tracks above the medium.

Each Can Track will attach to 3 crossbars (2 on the front, 1 on the rear). To do this,

- 1 – Start on the bottom 2 front crossbars and hold the front gap of the Can Track so that it straddles the upper crossbar
- 2 – Insert the rear Can Track attachment into the rear crossbar
- 3 – Press the front attachment of the Can Track downward into the front crossbars

Next, attach another Can Track parallel to first using the same process.



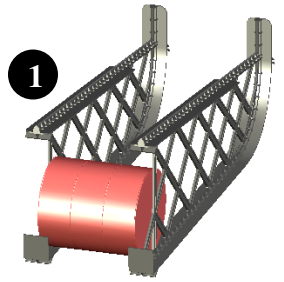
**Step 9:**

**Adjusting for can width.**

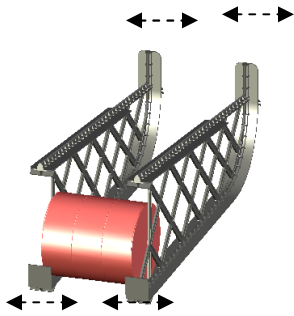
Now it's time to drop in your first can and adjust the width. To do this,

1 - Place a can on bottom flange of the Can Tracks.

**Note:** Small, medium, and large Can Tracks each store different sizes of cans. **It is important that cans are rotated in the correct Can Tracks to prevent them from binding in the back.** The attached "Can Sizing Diagram" will help you determine the appropriate can size.



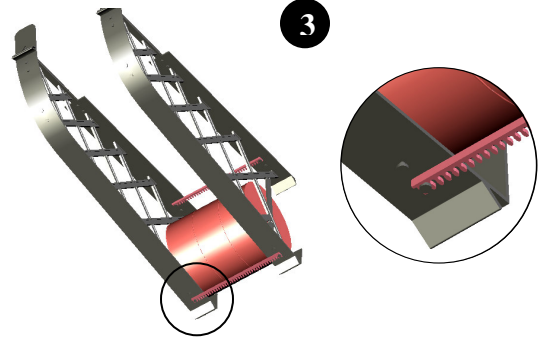
2



2 - Adjust the Can Tracks side to side so that the can rests about a 1/8" away from the center rib.

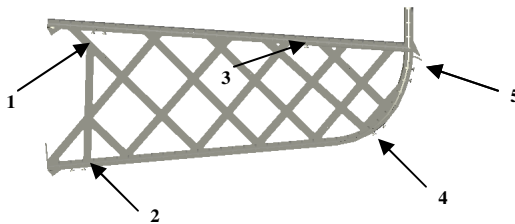
3 - Secure the width by attaching a strap to the buttons on the bottom side of Can Tracks.

*Note: There are 2 different sizes of straps. Use the large straps for #10 cans and other large cans*

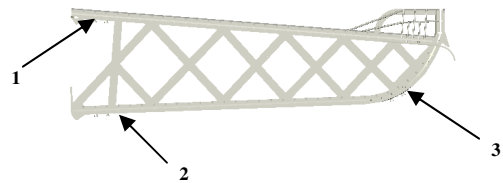


4 - Now that you have attached the first strap, attach additional straps to the remaining button sets (shown below).

**Large Can Track** button sets



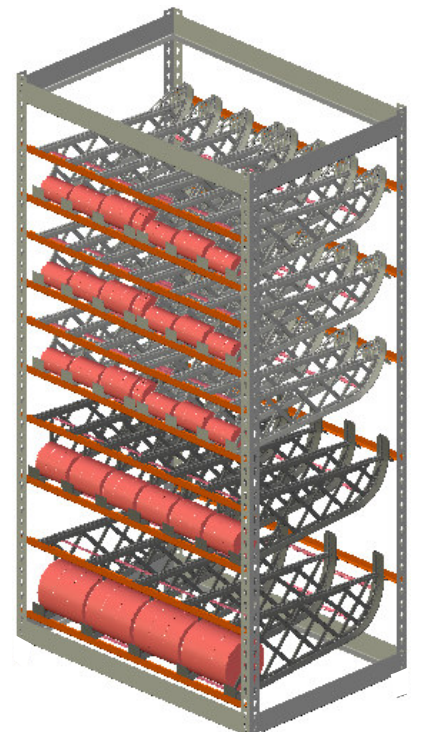
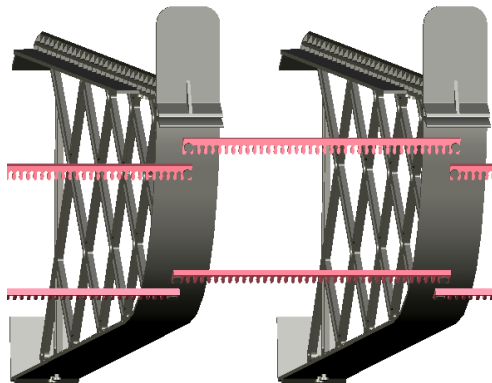
**Small/medium Can Track** button sets



**Step 10:**

**Insert remaining Can Tracks.**

Repeat Steps 8 & 9 for each row until all Can Tracks are in place. Notice how buttons on bottom side of Can Tracks are arranged in two's. To connect adjacent Can Tracks, alternate straps between buttons, as shown below.





## TROUBLE SHOOTING

- Can rolling      Cans should roll smoothly. If they don't, or if a can falls in between two Can Tracks, check to see that all straps are attached to buttons at the same increment to create equal spacing in front and back.
- Can binding      If a can binds in the back, double check the can sizing diagram to see if the can is in the right size Can Track. Then check the strap attachments to ensure they are equally spaced. Finally, give a gentle push to engage the rolling process.
- #10 Cans        If a #10 can has a lid, remove it (unless contents are not sealed beneath lid) before placing it on Can Tracks.
- Side Shelves    If you have purchased Side Shelves to enhance your Food Rotation System, space them evenly on both sides of FRS, so as to not overload one side.
- Wheels          If you have purchased wheels to go with your Food Rotation System, do not store more than 800 lbs. on 4 wheels (200 lbs. each).



**DO NOT use wheels with any FRS over 42" tall!**

- Defective parts    If there are defective or missing parts when you receive your FRS, call us at 801-756-9902.

## Congratulations!

*You have finished assembling your Food Rotation System and are now ready to conveniently store and rotate your food at your own pace. We hope that by using this system to build a supply of food for you and your family, you will find greater peace of mind as you prepare yourself for whatever the future may hold.*

*At Shelf Reliance we are committed to preparing people for the future, and we offer a number of other products to accomplish this goal. For further information or questions about our products, please contact our Customer Support Center or visit our website.*

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S H E L F R E L I A N C E <sup>TM</sup>

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Phone: (801) 756-9902

# Crossbar attachment for **CUSTOMIZED** **Food Rotation Systems™**

If you have customized your Food Rotation System by swapping out one row of Can Tracks with a different size, or if you have purchased an additional row of tracks, skip step 5 (“Crossbars”) of the regular “Assembly Instructions” and use the following crossbar attachments:

## Customized crossbar attachment (counting from bottom up)

(large rows go on bottom, medium above large, small on top)

| <i><b>Food Rotation System</b></i>   | <i><b>Customized Row Configuration</b></i> | <i><b>Front crossbar</b></i>                 | <i><b>Rear crossbar</b></i> |
|--|--|--|-----------------------------|
| <b>Harvest 72'</b><br><b>Plenty 72'</b><br><b>Pantry 72'</b><br><b>Reserve 72'</b> | 3 small, 2 medium                          | 7, 12, 16, 21, 25, 29, 32, 36, 39, 43        | 11, 20, 28, 35, 42          |
|  | 3 small, 2 large                           | 3, 9, 14, 20, 25, 29, 32, 36, 39, 43         | 8, 19, 28, 35, 42           |
|  | 4 small, 1 medium                          | 3, 8, 12, 16, 19, 23, 26, 30, 33, 37         | 7, 15, 22, 29, 36           |
|  | 4 small, 1 large                           | 5, 11, 16, 20, 25, 29, 32, 36, 39, 43        | 10, 19, 28, 35, 42          |
|  | 5 small, 1 medium                          | 3, 8, 12, 16, 19, 23, 26, 30, 33, 37, 40, 44 | 7, 15, 22, 29, 36, 43       |
|  | 6 small                                    | 3, 7, 10, 14, 17, 21, 24, 28, 31, 35, 38, 42 | 6, 13, 20, 27, 34, 41       |
| <b>Harvest 51'</b><br><b>Plenty 51'</b><br><b>Pantry 51'</b><br><b>Reserve 51'</b> | 4 small                                    | 3, 7, 10, 14, 17, 21, 24, 28                 | 6, 13, 20, 27               |
| <b>Harvest 39"</b><br><b>Plenty 39"</b><br><b>Pantry 39"</b><br><b>Reserve 39"</b> | 2 small, 1 medium                          | 2, 7, 11, 15, 18, 22                         | 6, 14, 21                   |

## Food Rotation System - Parts List

|                  |                    | Angle Post                         | Wide Crossbeam (long) | Wide Crossbeam (short) | Crossbeam | Can Tracks |          |         | Straps  |        | Post Caps | Magnet Page |   |
|------------------|--------------------|------------------------------------|-----------------------|------------------------|-----------|------------|----------|---------|---------|--------|-----------|-------------|---|
|                  |                    |                                    |                       |                        |           | (small)    | (medium) | (large) | (short) | (long) |           |             |   |
| <b>24" Depth</b> | <b>Harvest</b>     | 72" tall x 36.5" wide x 24.5" deep | 4                     | 4                      | 4         | 15         | 24       | 7       | 5       | 75     | 30        | 4           | 1 |
|                  |                    | 51" tall x 36.5" wide x 24.5" deep | 4                     | 4                      | 4         | 12         | 24       | 7       | 0       | 75     | 9         | 4           | 1 |
|                  |                    | 39" tall x 36.5" wide x 24.5" deep | 4                     | 2                      | 4         | 9          | 24       | 0       | 0       | 65     | 0         | 4           | 1 |
|                  |                    | 27" tall x 36.5" wide x 24.5" deep | 4                     | 2                      | 4         | 6          | 16       | 0       | 0       | 44     | 0         | 4           | 1 |
|                  | <b>Harvest #10</b> | 72" tall x 36.5" wide x 24.5" deep | 4                     | 4                      | 4         | 12         | 0        | 0       | 20      | 0      | 83        | 4           | 1 |
|                  |                    | 39" tall x 36.5" wide x 24.5" deep | 4                     | 2                      | 4         | 6          | 0        | 0       | 10      | 0      | 42        | 4           | 1 |
|                  | <b>Plenty</b>      | 72" tall x 30.5" wide x 24.5" deep | 4                     | 4                      | 4         | 15         | 18       | 5       | 4       | 59     | 17        | 4           | 1 |
|                  |                    | 51" tall x 30.5" wide x 24.5" deep | 4                     | 4                      | 4         | 12         | 18       | 6       | 0       | 52     | 10        | 4           | 1 |
|                  |                    | 39" tall x 30.5" wide x 24.5" deep | 4                     | 2                      | 4         | 9          | 18       | 0       | 0       | 48     | 0         | 4           | 1 |
|                  |                    | 27" tall x 30.5" wide x 24.5" deep | 4                     | 2                      | 4         | 6          | 12       | 0       | 0       | 32     | 0         | 4           | 1 |
|                  | <b>Plenty #10</b>  | 72" tall x 30.5" wide x 24.5" deep | 4                     | 4                      | 4         | 12         | 0        | 0       | 16      | 0      | 63        | 4           | 1 |
|                  |                    | 39" tall x 30.5" wide x 24.5" deep | 4                     | 2                      | 4         | 6          | 0        | 0       | 8       | 0      | 32        | 4           | 1 |
|                  | <b>Pantry</b>      | 72" tall x 24.5" wide x 24.5" deep | 4                     | 0                      | 8         | 15         | 16       | 5       | 4       | 53     | 16        | 4           | 1 |
|                  |                    | 51" tall x 24.5" wide x 24.5" deep | 4                     | 0                      | 8         | 12         | 16       | 5       | 0       | 47     | 6         | 4           | 1 |
|                  |                    | 39" tall x 24.5" wide x 24.5" deep | 4                     | 0                      | 6         | 9          | 16       | 0       | 0       | 41     | 0         | 4           | 1 |
|                  |                    | 27" tall x 24.5" wide x 24.5" deep | 4                     | 0                      | 6         | 6          | 11       | 0       | 0       | 29     | 0         | 4           | 1 |
|                  | <b>Reserve</b>     | 72" tall x 18.5" wide x 24.5" deep | 4                     | 4                      | 4         | 15         | 12       | 4       | 3       | 38     | 11        | 4           | 1 |
|                  |                    | 51" tall x 18.5" wide x 24.5" deep | 4                     | 4                      | 4         | 12         | 12       | 4       | 0       | 29     | 9         | 4           | 1 |
|                  |                    | 39" tall x 18.5" wide x 24.5" deep | 4                     | 4                      | 2         | 9          | 12       | 0       | 0       | 29     | 0         | 4           | 1 |
|                  |                    | 27" tall x 18.5" wide x 24.5" deep | 4                     | 4                      | 2         | 6          | 8        | 0       | 0       | 20     | 0         | 4           | 1 |
|                  | <b>Reserve #10</b> | 72" tall x 18.5" wide x 24.5" deep | 4                     | 4                      | 4         | 12         | 0        | 0       | 12      | 0      | 42        | 4           | 1 |
|                  |                    | 39" tall x 18.5" wide x 24.5" deep | 4                     | 4                      | 2         | 6          | 0        | 0       | 6       | 0      | 22        | 4           | 1 |

|                  |                |                                    |   |   |   |    |    |    |   |    |    |   |   |
|------------------|----------------|------------------------------------|---|---|---|----|----|----|---|----|----|---|---|
| <b>18" Depth</b> | <b>Harvest</b> | 72" tall x 36.5" wide x 18.5" deep | 4 | 4 | 4 | 15 | 24 | 14 | 0 | 93 | 9  | 4 | 1 |
|                  |                | 51" tall x 36.5" wide x 18.5" deep | 4 | 4 | 4 | 12 | 24 | 7  | 0 | 75 | 9  | 4 | 1 |
|                  |                | 39" tall x 36.5" wide x 18.5" deep | 4 | 2 | 4 | 9  | 24 | 0  | 0 | 65 | 0  | 4 | 1 |
|                  |                | 27" tall x 36.5" wide x 18.5" deep | 4 | 2 | 4 | 6  | 16 | 0  | 0 | 44 | 0  | 4 | 1 |
|                  | <b>Plenty</b>  | 72" tall x 30.5" wide x 18.5" deep | 4 | 4 | 4 | 15 | 18 | 11 | 0 | 65 | 9  | 4 | 1 |
|                  |                | 51" tall x 30.5" wide x 18.5" deep | 4 | 4 | 4 | 12 | 18 | 6  | 0 | 52 | 10 | 4 | 1 |
|                  |                | 39" tall x 30.5" wide x 18.5" deep | 4 | 2 | 4 | 9  | 18 | 0  | 0 | 48 | 0  | 4 | 1 |
|                  |                | 27" tall x 30.5" wide x 18.5" deep | 4 | 2 | 4 | 6  | 12 | 0  | 0 | 32 | 0  | 4 | 1 |
|                  | <b>Pantry</b>  | 72" tall x 24.5" wide x 18.5" deep | 4 | 4 | 4 | 15 | 16 | 10 | 0 | 59 | 6  | 4 | 1 |
|                  |                | 51" tall x 24.5" wide x 18.5" deep | 4 | 4 | 4 | 12 | 16 | 5  | 0 | 47 | 6  | 4 | 1 |
|                  |                | 39" tall x 24.5" wide x 18.5" deep | 4 | 2 | 4 | 9  | 16 | 0  | 0 | 41 | 0  | 4 | 1 |
|                  |                | 27" tall x 24.5" wide x 18.5" deep | 4 | 2 | 4 | 6  | 11 | 0  | 0 | 29 | 0  | 4 | 1 |
|                  | <b>Reserve</b> | 72" tall x 18.5" wide x 18.5" deep | 4 | 0 | 8 | 15 | 12 | 8  | 0 | 41 | 6  | 4 | 1 |
|                  |                | 51" tall x 18.5" wide x 18.5" deep | 4 | 0 | 8 | 12 | 12 | 4  | 0 | 32 | 6  | 4 | 1 |
|                  |                | 39" tall x 18.5" wide x 18.5" deep | 4 | 0 | 6 | 9  | 12 | 0  | 0 | 29 | 0  | 4 | 1 |
|                  |                | 27" tall x 18.5" wide x 18.5" deep | 4 | 0 | 6 | 6  | 8  | 0  | 0 | 20 | 0  | 4 | 1 |