

GAUER FLO-RAK

a division of Gauer Metal Products, Inc.

INSTALLATION FOR KD FLO-RAK SHELF MOUNTED ON GAUER VERTICAL FRAMES

ALWAYS CONSULT APPROVAL DRAWINGS FOR SPECIFIC DETAILS ABOUT YOUR INDIVIDUAL SHELF DESIGN. THESE INSTRUCTIONS ARE MEANT AS A GENERAL GUIDE FOR INSTALLATION, AND DOES NOT SHOW THE DETAILS OF YOUR ACTUAL DESIGN.

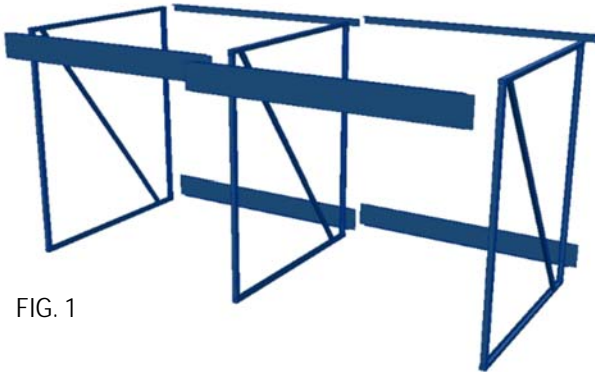


FIG. 1

To begin the installation of the Gauer Vertical Frames you must first properly layout your rows of shelving. This can be done with lasers or by snapping a chalk line to ensure that your row of vertical frames continues to follow the placement you set out while you are erecting each adjacent bay.

Now that you are ready to begin installation you need to locate your vertical frames, sway braces and angle braces. As shown in figure 1, the vertical frames are the three upright frames with the diagonal support, the sway braces are shown in the top front and bottom rear of the verticals and the angle braces are shown in the top rear of the installation.

The placement shown in figure 1 is our most common, however, be sure to consult your approval drawings for details to your design.

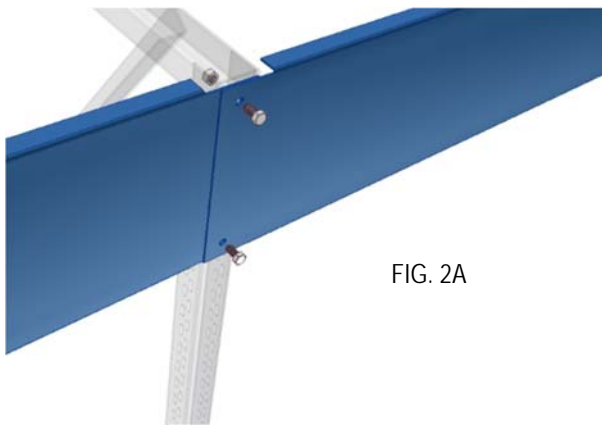


FIG. 2A

When sharing uprights the sway and angle braces will overlap as shown in figures 2A & 2B.

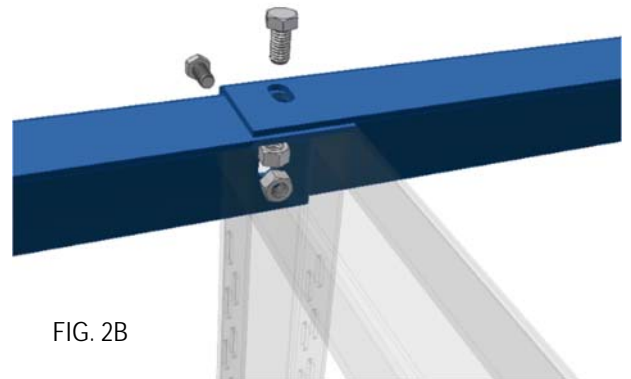


FIG. 2B

It is highly recommended that the Vertical Frames be lag bolted to the floor. (Lagging hardware is not provided by Gauer)

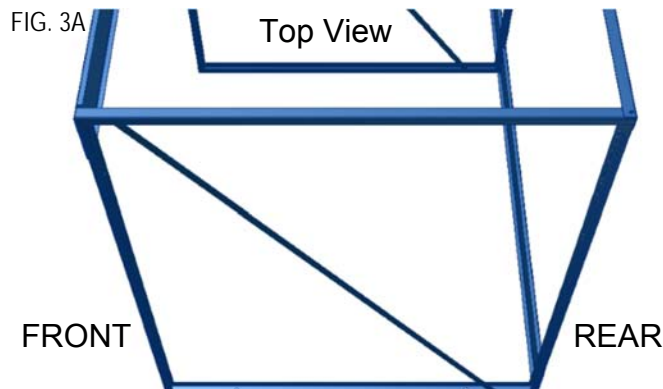


FIG. 3A

Top View

FRONT

REAR

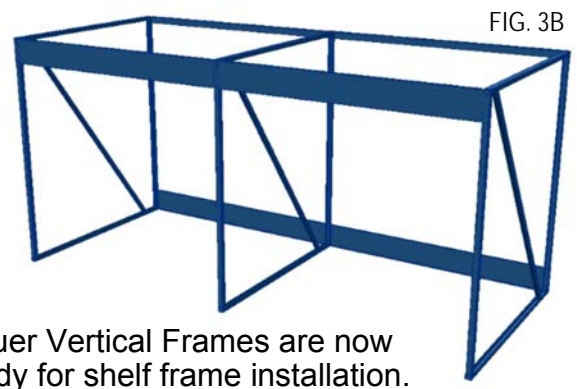


FIG. 3B

Gauer Vertical Frames are now ready for shelf frame installation.



FIG. 4A

Attach the Gauer Shelf Clip into the “slit slots” of the Gauer Vertical Frame posts, which are on $\frac{3}{4}$ inch centers in an offset pattern. These clips are installed by sliding the single pronged half of the clip up and into the slot, while the bottom leg of the double pronged side of the clip rests against the vertical frame to give support (as shown in figure 4A). The shelf will eventually sit on the top leg of the protruding side.

These Gauer Clips can be used on both sides of the post, to create a row of bays. The clip height can be the same in each bay or alternated de-

pending on the configuration. Please consult with the original quotation, or contact your Gauer representative, to determine the number of shelves that can be supported in each bay. Once the shelf clips are mounted properly the “slit slots” allow for $\frac{3}{4}$ inch vertical adjustability, which makes it easy to set an optimal pitch.

The G-FRZ Intermediate Shelf Clips (shown in figure 4B) have a left hand and right hand style, distinguished by the indicator hole. The clips are often used in some of our deeper or heavier shelf layouts. The G-FRZ Clips are attached in the slit slots and allow for $\frac{3}{8}$ inch adjustability.



FIG. 4B

Remember the minimum recommended pitch of the shelf frame is 1 inch in rise of height per every 1 foot of mounting depth. This should allow a consistent product flow, however, it is recommended that the product be tested for rollability prior to deciding a permanent pitch for an entire project.



FIG. 5

To begin shelf frame assembly, locate and install the black No-Slip Clip Nuts onto the side members. These will slide into place in both the front and rear of each side member. The threaded hole in the NSCN will match up with the round hole in the top of the side member.

Then, slide the openings of the front member onto the hook tabs of the side members. This is done in the same manner with either traditional front or knuckle front members. The KD Screw should be loosely fastened at this time, and be tightened when the screws are attached in the rear.

Next lay all necessary cross member channels in between the interior edges of the side members. These will be set in place later, but having them within the side member channels makes the installation process much easier.

Now slide the openings of the rear member over the hook tabs on the side members in the same manner that you installed the front members. Tap the front and rear members with a rubber mallet to secure them into place.

Finally, fully secure the KD Screws into black No-Slip Clip Nuts that are in place on the top of the side members.

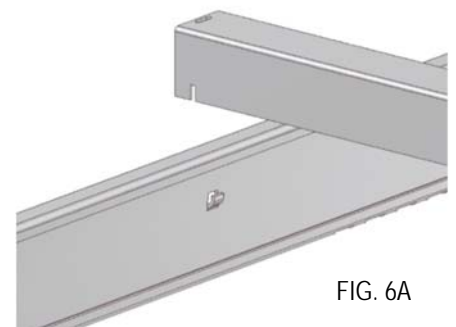


FIG. 6A



FIG. 6B

At this time you may “roll” the cross members into place, while mounting them using the slot on the top of the channel into the “finger” extended from the inside of the side member (as shown in figure 6B).

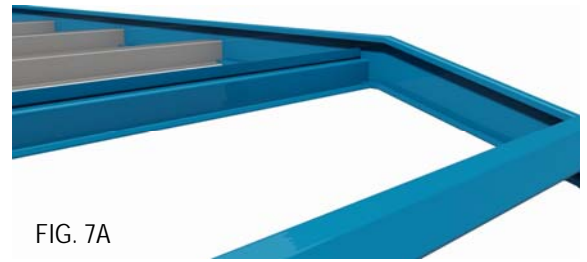


FIG. 7A

In the case of a “Knuckle Front” option, you will have a (usually painted) cross member with a “J” shaped piece attached. This Knuckle Cross Member is used as the transition piece between the Flo-Trak (or Flo-Bed) and the galvanized steel picking tray. It will be installed with the higher side of the “J” facing the front (pick side) of the shelf (as shown in figure 7A).

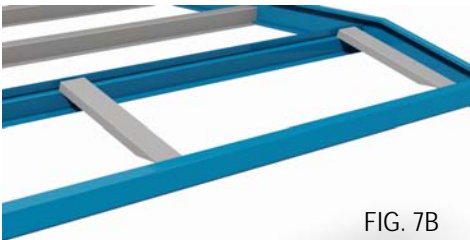


FIG. 7B

Next lay the support strips in place (as shown in approval drawings) with the flatter side of the channel facing the front of the shelf (as shown in figure 7B).

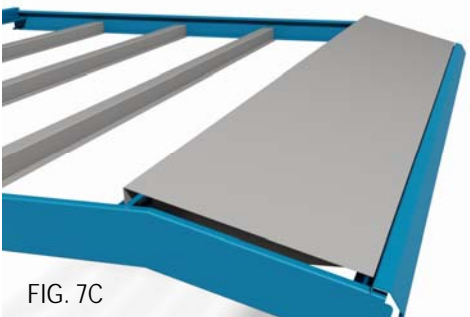


FIG. 7C

Then lay the knuckle tray on to the support strips with the angled end on the high side of the knuckle, between the support strip and the “J” portion of the knuckle cross member (as shown in figure 7C).

In the case of an “Impact Tray” option, you will attach the tray in a very similar manner to attaching the front and rear members. The tooth portion of the tray will be slid under the top lip of the side member and sit in the “finger” of the side member. The top portion of the tray will sit on top of the side member, while the rear hole will be used to fasten the screw and NSCN as was done to the front member.

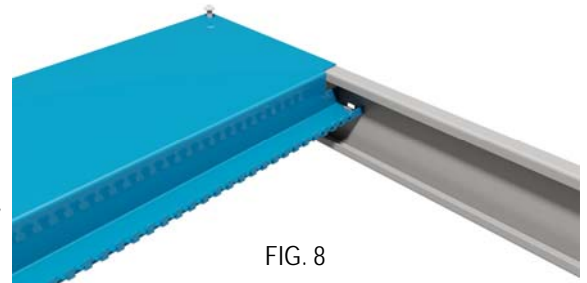


FIG. 8

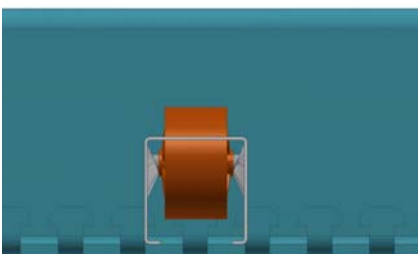


FIG. 9A

Install Flo-Trak by squeezing the bottom of each piece and inserting into the teeth of the front and rear members, by “clicking in” to the rectangular holes in the Flo-Trak with 1 tooth between them (as shown in figure 9A and figure 9B).

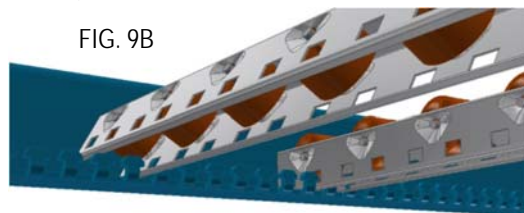


FIG. 9B

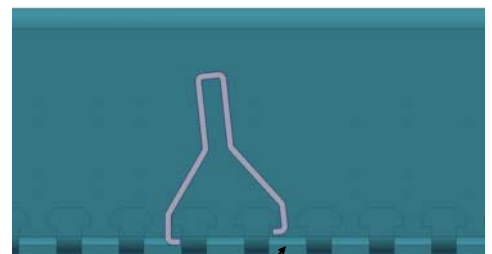


FIG. 9C

Install guide (or lane dividers) by opening or “flexing” of each piece over 2 teeth of the front and rear members (as shown in figure 9C).



FIG. 10

Place the assembled shelf on the Gauer Shelf Clips using the protruding portions of the clips to fit into the notches of the side members (as shown in figure 7). Please note the G-FRZ Clips (if req'd) do not have a protrusion the side simply lays on clip. At this time if you do not like how the shelf is set on the G-FRZ Clips, these clips are L.H. and R.H. as well as reversible vertical-ly, and may need to be changed to improve the layout for your shelving.