

FIRST TEAM SPORTS, INC.

CROWDPLEASER BLEACHER ASSEMBLY INSTRUCTIONS

NOTE: These instructions are generic to all 2 row through 10 row bleachers. The drawings in this instruction sheet generally show assembly for a 21 foot, six tier bleacher with step aisles and safety rails. Your specific bleacher may not require all assembly steps as provided for in these instructions. If you are unsure as to the assembly of your bleacher design you may call First Team Sports direct (1-888-884-6677) during normal working hours for assistance.

SUGGESTED TOOLS FOR ASSEMBLY:

- Utility Knife
- Tape measure
- 1/2" combination wrenches
- 9/16" combination wrenches
- 3/4" combination wrenches (bleachers with extension frames)
- 1/4" or 3/8" socket drive with deep 1/2" & 9/16" socket
- 1/2" or 3/8" electric drill (bleachers with safety rails)
- 5/16" & 3/8" drill bits (bleachers with safety rails)

IMPORTANT: Bleachers are normally shipped by commercial truck. Damage can result and is often hidden until product is removed from packaging. Look closely for damage before the delivery truck leaves the site and then make note of any damage at once. It may be necessary to remove planks and framing by hand from the truck. Have plenty of persons available to assist during the unloading process.

Before assembly make certain all parts and hardware are accounted for. Use the attached packing list for your bleacher order to detect missing or damaged parts. Parts for multiple bleacher orders may be packaged together for improved shipping. If you detect missing parts call direct to First Team Sports.

PRE-ASSEMBLY: Secure a location that is large enough for the assembly process. The assembly area must be LEVEL!

STEP 1: ATTACH GROUND RUNNERS (6-tier frame shown)

Bleachers frames are normally packaged together and attached to shipping boards. A cordless drill with a screw driver tip will aid in unpacking these items. Discard the packaging materials. Proper hardware is located in labeled packages. Attach the treated wood runners as indicated using the provided hardware. All wood runners should be attached to all frames at this time.

STEP 2: ATTACH CROSS BRACES

All bleachers use cross bracing. Determine the what cross bracing configuration is required by reviewing the “CROSS BRACING” supplement instructions for your specific bleacher configuration. Your bleacher may use a combination of the following cross braces:

- 73 ¼” - Horizontal spacers (places frames on 6 feet centers)
- 74 ½” - Diagonal braces (used on 2nd, 3rd, 4th, & 5th tier seat risers where indicated)
- 79 ¼” - Diagonal braces (used on 6th, & 10th tier seat risers where indicated)
- 86 5/8”- Diagonal braces (used on 8th tier seat riser where indicated)

Insert 3/8” x 1 ½” G5 hex bolts through the frames as indicated in Fig. 2a. Stand each frame up with approximately 6 feet of spacing between each frame. **CAUTION: Do not leave frames in a “free standing” position. Hold on to each frame until cross braces are in place.** Start by placing the 73 ¼” horizontal spacers on to bottom of each rear most seat riser. Over lap the braces from one frame to the next. Next, place diagonal braces over the tops of the the horizontal braces and the toward the top end of the adjacent seat riser on the next frame. Again over lap the diagonal braces from frame to frame. Secure each bolt with a flat washer, lock washer and hex nut as indicated in Fig. 2a. Do not tighten these fasteners until all bracing is in place. NOTE: Some diagonal braces are configured in a “X” and will have a center pivot bolt connecting them. Other will be a single depending on your bleacher system.

STEP 3: ATTACH EXTENSION FRAMES

Standard rise 6 tier bleachers can be extended to include a 7-8 tier frame and 9-10 tier frame extensions. After the 6 tier frame sections have been properly cross braced, attach the 7-8 tier frames using the required hardware indicated in Fig. 3a and 3b. As each extension frame is added, cross brace as shown in Fig 3. Over lap the braces and use the same hardware in the same manner as in STEP 2.

When all of the cross bracing is in place and the bleachers are checked for level, tighten all of the bolts that secure the cross bracing and extension frames. **IMPORTANT: Double check to make sure all bolts are tight.**

STEP 4: ATTACH SAFETY RAIL SUPPORTS

As required per you local building codes, safety railing may be required. The provided safety rails meet the IBC 2002 recommendations for bleacher safety. Check with your local safety inspectors for additional information on these and other codes that may apply in your area.

Back safety rail support posts should be attached at this time. Refer to Fig. 4a. Attach each safety rail support post to just below each seat support bracket as indicated with the preattached hardware. Adjust each support so that attachment hardware is in the center of the slot so as to provide for future adjustments as necessary and is true to the existing bleacher frame.

Side rail support posts come as lefts and rights. The side rail support post must be positioned as indicated in Fig 4. Support posts will be attached starting with the rear most seat riser at each end of the bleacher frame assembly. The lowest support post will normally be attached to the 4th seat riser. **Refer to Fig. 4b. IMPORTANT: Each support post must be positioned such that the “TOP” of the lower horizontal support bracket is 2 ½” above the top of the horizontal walk plank support.**

Temporarily, clamp or hold each support post in place. Mark each hole location in the seat riser using the support post as a templet. Remove the support post and drill a 3/8" hole at each bolt location. Next, attach the side rail support post as required. Adjust the post so it is true to the existing bleacher frames. Tighten all of the attachment hardware.

STEP 5: PLACEMENT OF TOP SEAT AND SECOND TIER WALK PLANK(s)

IMPORTANT: All seat planks are anodized aluminum. Walk planks and split planks are mill finished aluminum. Anodized planks are duller in appearance and have a cleaner finish. Mill finished aluminum is brighter in appearance. Note the difference and separate accordingly.

Before proceeding, make sure the frames are properly spaced on 6 feet centers at the front of the bleacher frame assembly and are square to each other (Fig 5).

Position the top seat plank so that it is centered between the the top two side safety rail supports. There should be approximately 1/2" gap at each end of the plank. Attach the plank to the top of each seat support bracket as indicated in Fig 5a. Make sure the plank clamp is saddled over the ribs on the bottom of the plank on both sides of each clamp. Do not tighten the plank clamps until all clamps on each plank are in place.

Position the lowest walk plank(s) as shown in Fig. 5. The walk plank(s) should be offset from the vertical seat risers the same distance as the top seat plank. (DOUBLE WALK PLANKS) Use a 1" space between the rear walk plank and the seat support riser as indicated in Fig 5a. The gap between double walk planks should be 3/16" to 1/4". Attach walk planks the same as seat planks.

STEP 6: ATTACH WALK PLANKS AND SPLIT PLANKS

All walk planks are full length. Depending on whether your bleacher is configured with a step aisle or not, split plank (kick boards) may or may not be full length. See Fig 6. Split planks are held in place by one plank clamp per seat riser. Adjust and position as shown in Fig. 6a. ***Note: (Fig. 6b) Split planks form the openings for the step aisle when steps are incorporated into the bleacher system. Make sure to use the same length split planks on each side of the bleacher so steps are properly configured in line from one tier to the next.***

STEP 7: ATTACH SAFETY RAILS

Refer to Fig. 7a for attaching back and side safety rails. First attach the back safety rail to the back support post. Carefully lift and carry the safety rail assembly up the front of the bleacher. Center the safety railing with the top seat plank. Mark and drill 5/16" dia. holes in the top of the railing to match the spacing on the top of the support post. **HINT: Hole spacing should be on 6'0" centers.** Attach the railing at the top of each support post using the 5/16" bolts / hardware. Recheck the safety rail position and then drill and bolt the lower back safety rail into place.

If using side safety rails, first insert the corner attachment bracket into the top tube of the back safety rail. Then position the side safety rail in place and drill 5/16" holes through the top tube to bolt the top of the safety railing in place. Adjust the bottom of the side safety rail and drill and bolt it into place.

Next, position the corner attachment bracket into place against the side safety rail and drill a 3/8" hole through the square hole and attach the bracket using a 3/8" carriage bolt. Adjust the bracket in or out of the top tube of the back safety rail and secure with two (2) # 12 self tapping screws.

STEP 8: ATTACH STEP EXTENSIONS

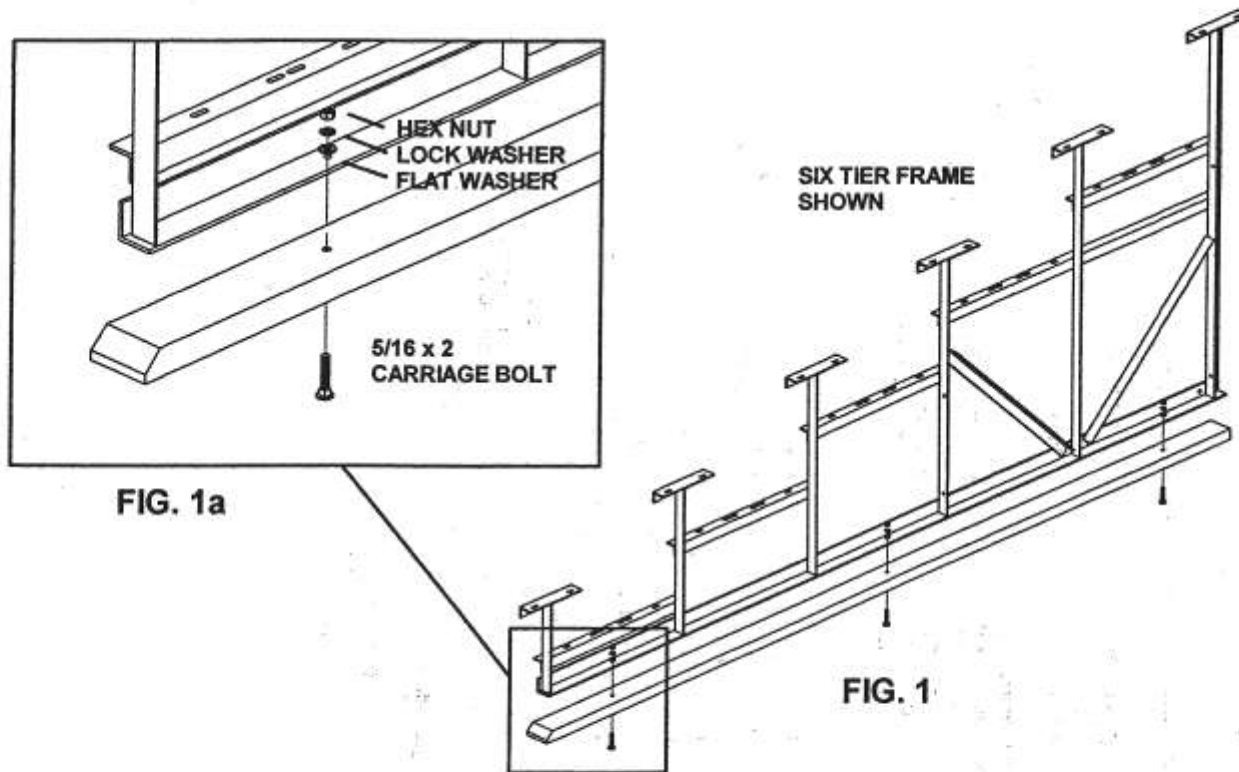
Step extensions are preassembled. Position each assembly on the back of each double walk plank tier and attach to the bottom of the walk planks using 8 each plank clamps as shown in Fig. 7b. Make sure not to leave more than 1/4" spacing between plank and extension.

STEP 9: HAND RAILS

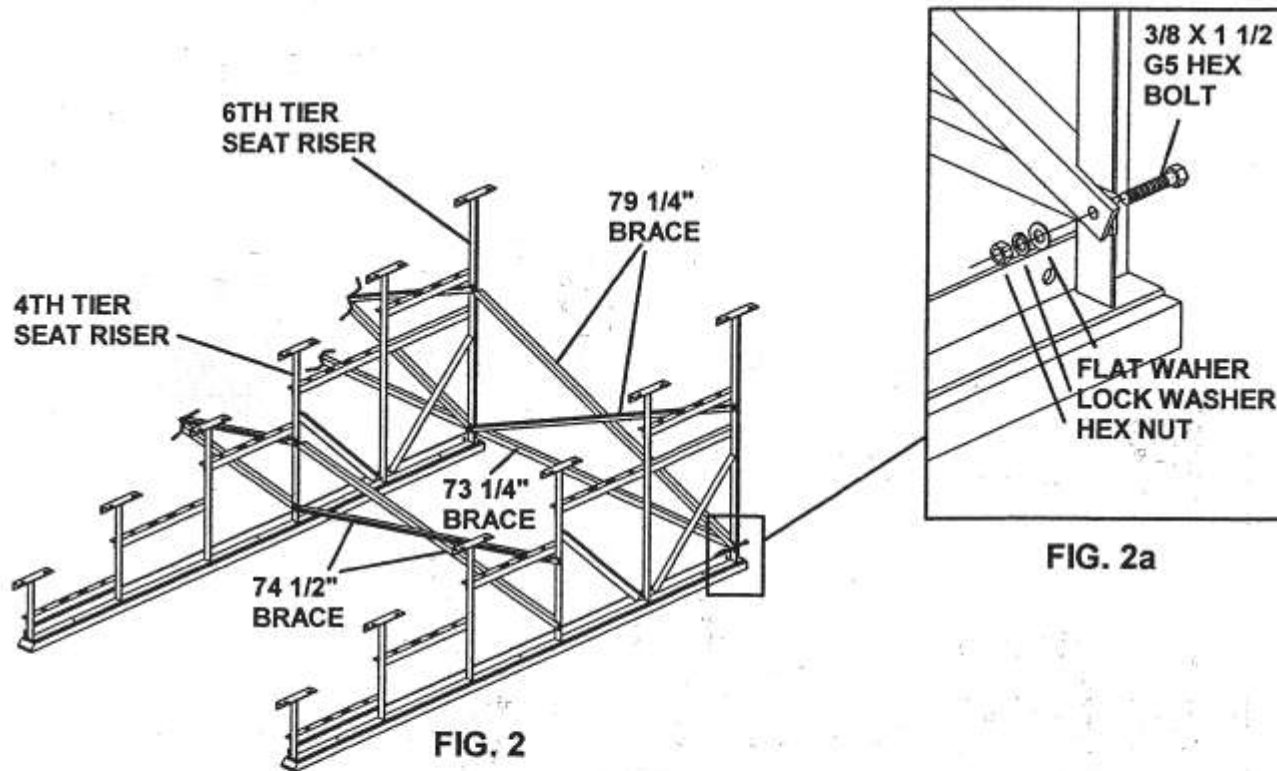
Hand rails can be added to aisle either before or after seat planks are installed. Hand rails are attached using the provided hardware (5/16 x 1 Grade 5 carriage bolts, flat washer, washer and hex nut). Position each hand rail in the center of each step aisle (side to side from where the end of the seat planks will extend), so the post is up against the front walk plank on the next higher walk plank tier. Drill two 5/16" holes through each bolt down plate and fasten with the provided hardware. In all cases, the round head of the carriage bolt should be visible on top side of bleacher. Back up plates on the bottom of each leg are placed up inside the bottom side of the plank for added strength. A back up plate should also be used on the inside leading edge of the next step up.

If using multiple hand rails on a single aisle, leave gaps between each hand rails to provide passage from one side of the aisle to the other side. In accordance with IBC recommendations, the gaps between these hand rails should be no less than 22" and no greater than 36".

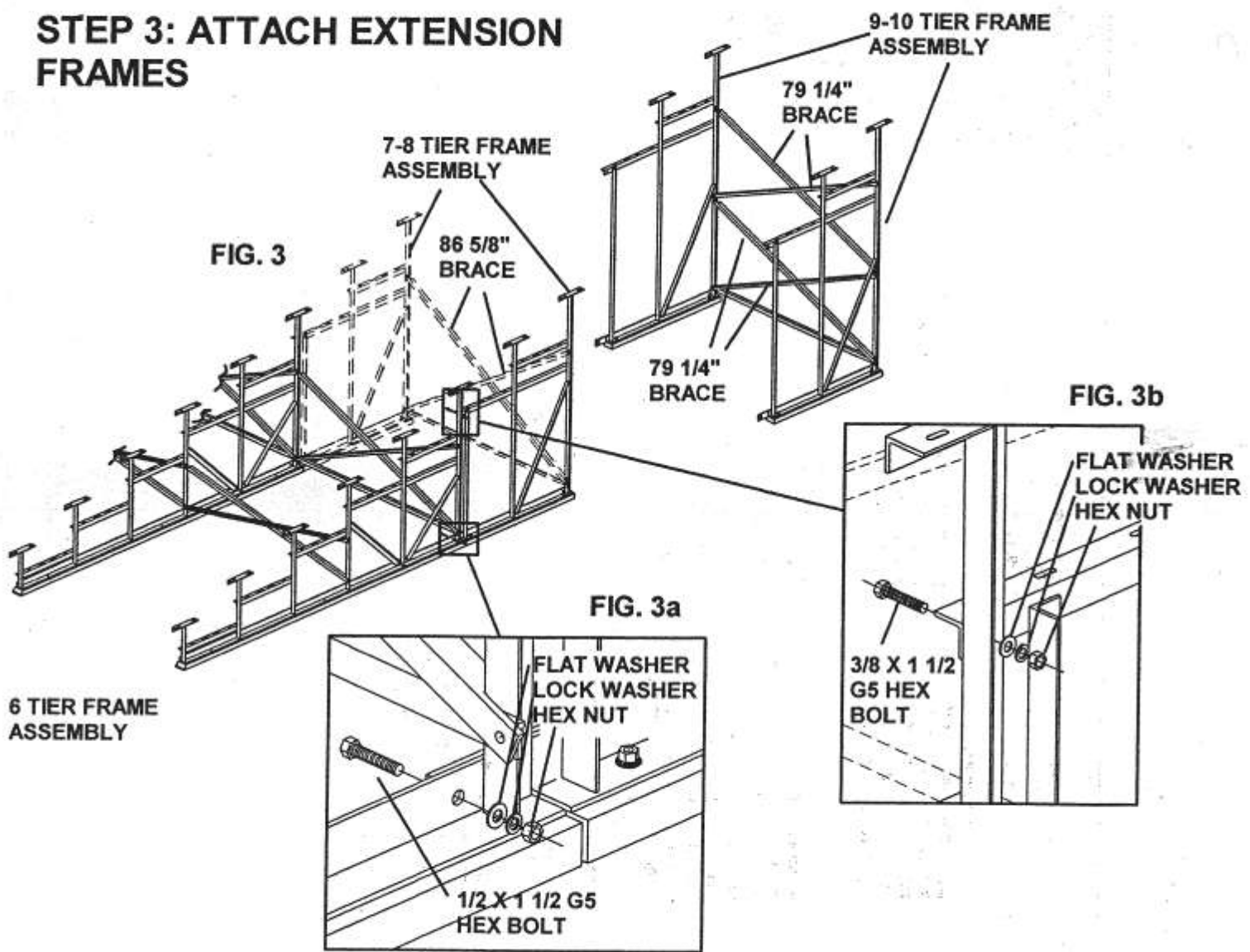
STEP 1: ATTACH WOOD RUNNER TO BOTTOM OF FRAME



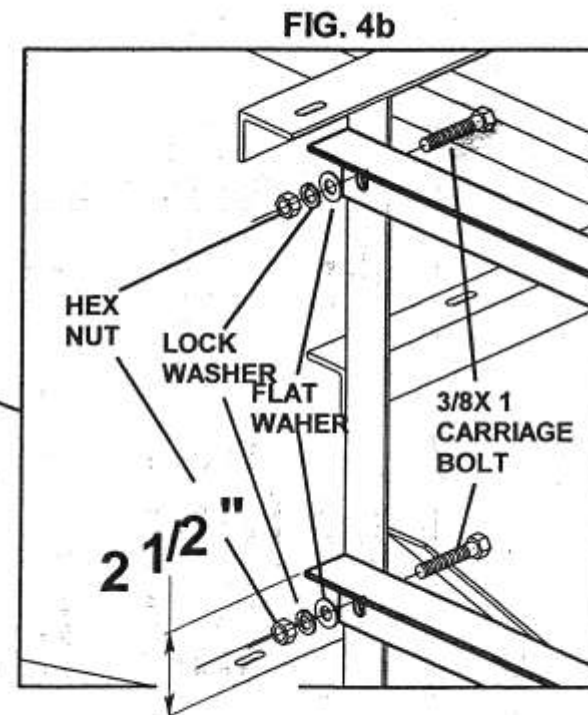
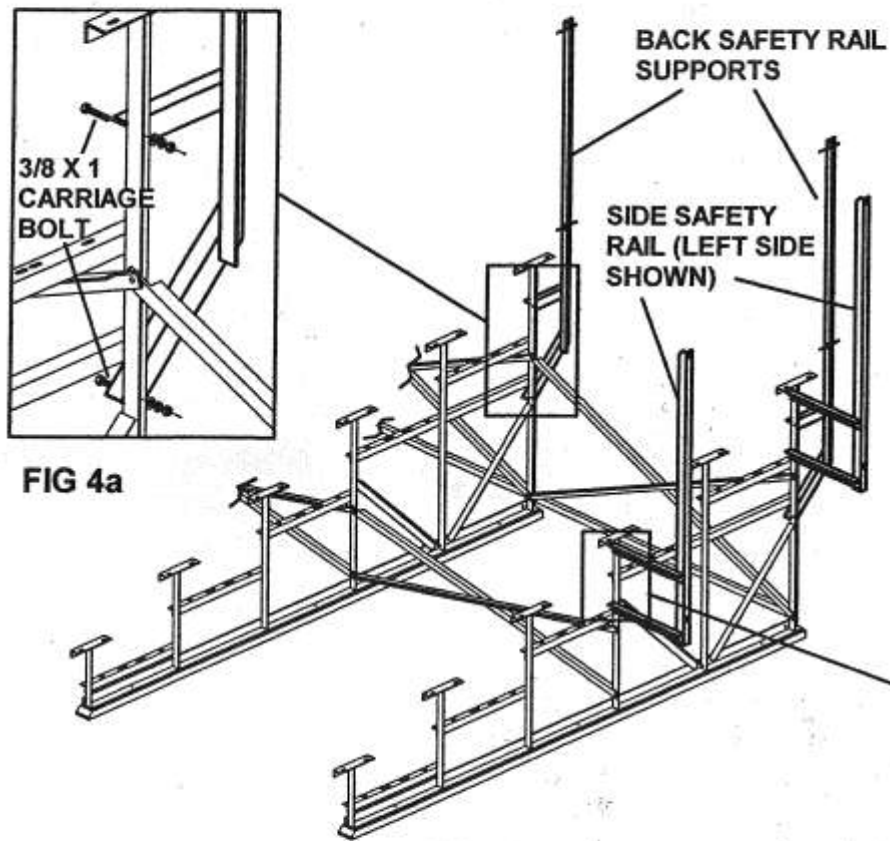
STEP 2: ATTACH CROSS BRACES



STEP 3: ATTACH EXTENSION FRAMES



STEP 4: ATTACH SAFETY RAIL SUPPORT POST



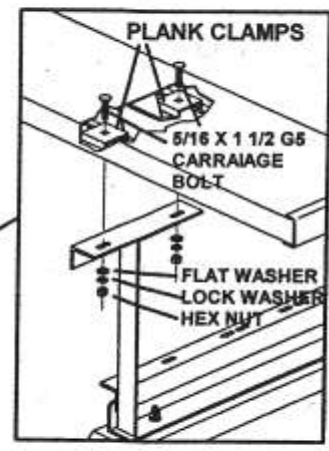
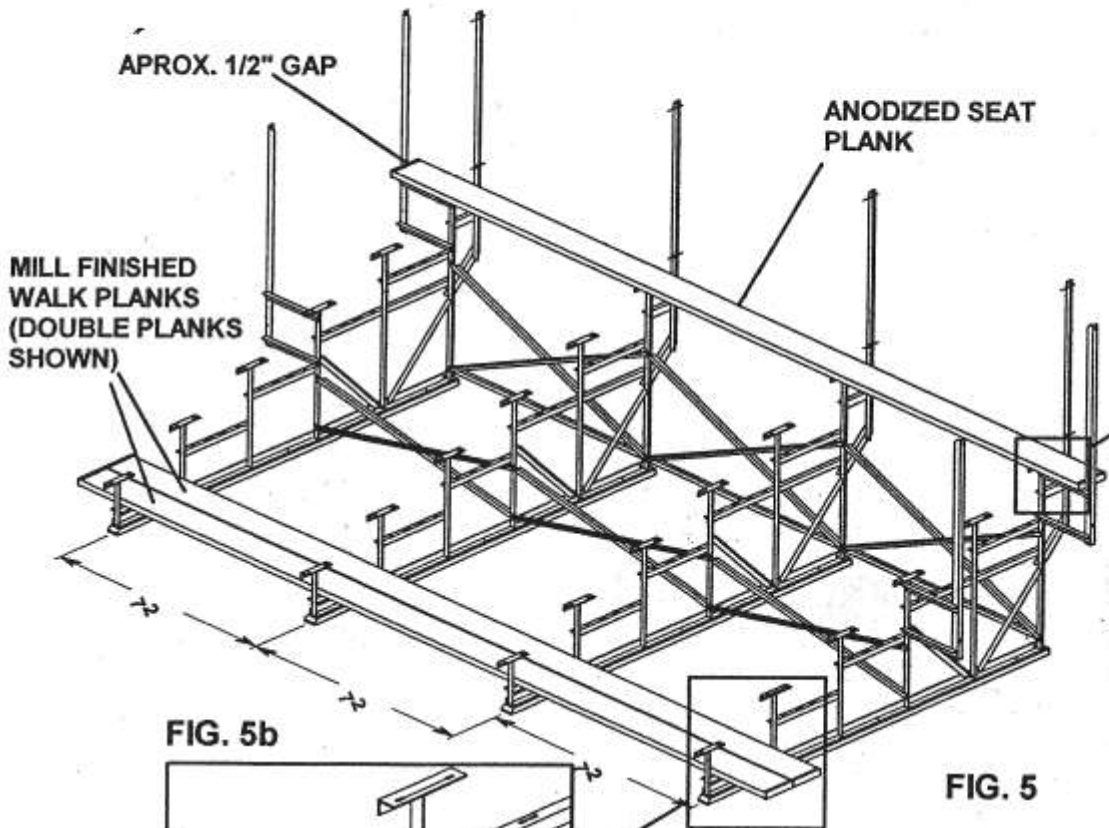


FIG. 5a

FIG. 5b

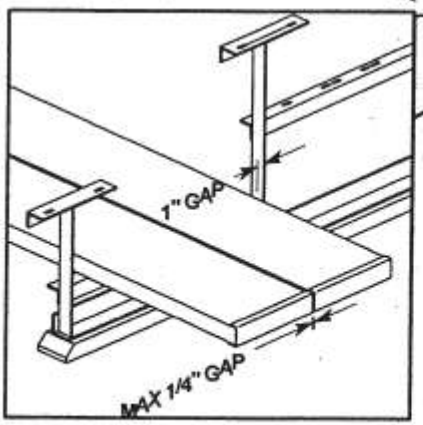
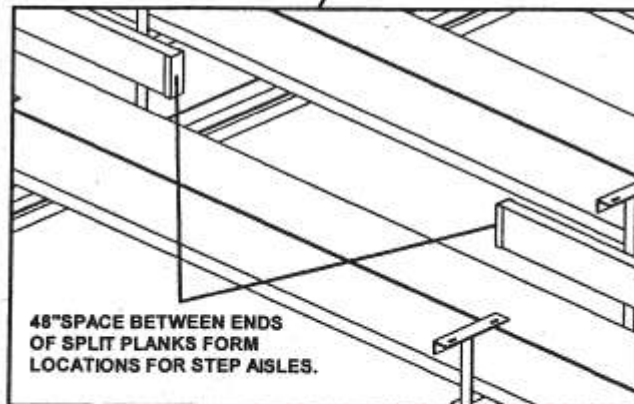
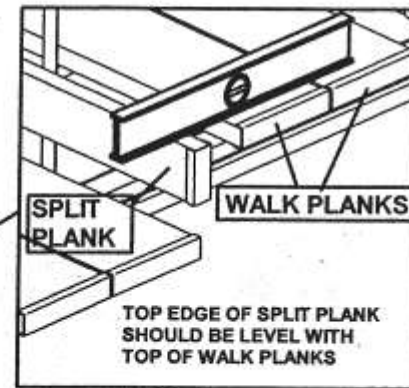
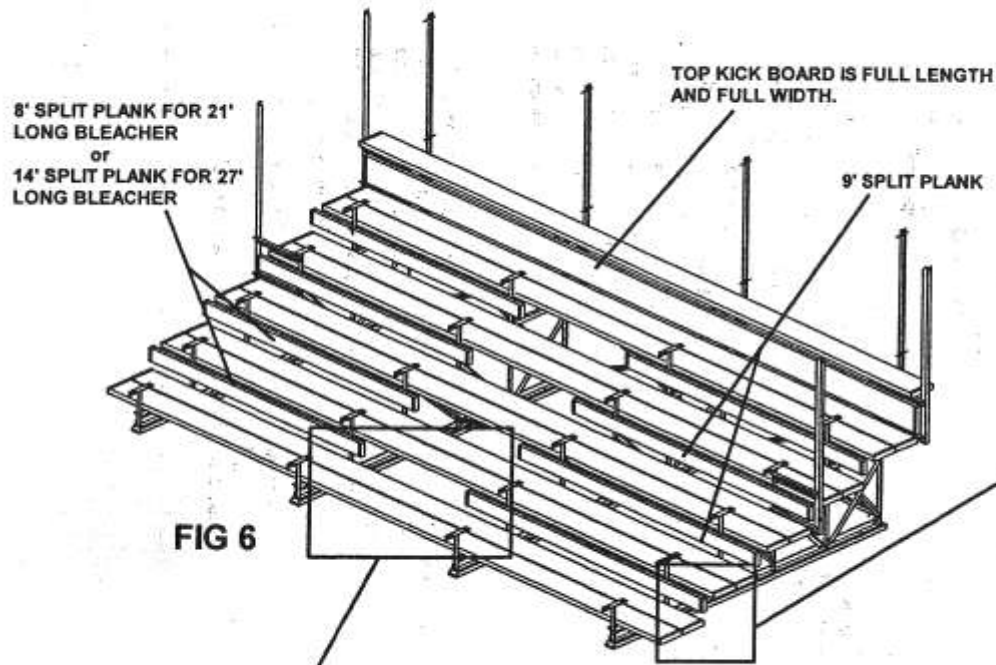


FIG. 5

STEP 5: TOP SEAT AND SECOND TIER WALK PLANK(S)



STEP 6: ATTACH WALK PLANK AND SPLIT PLANKS

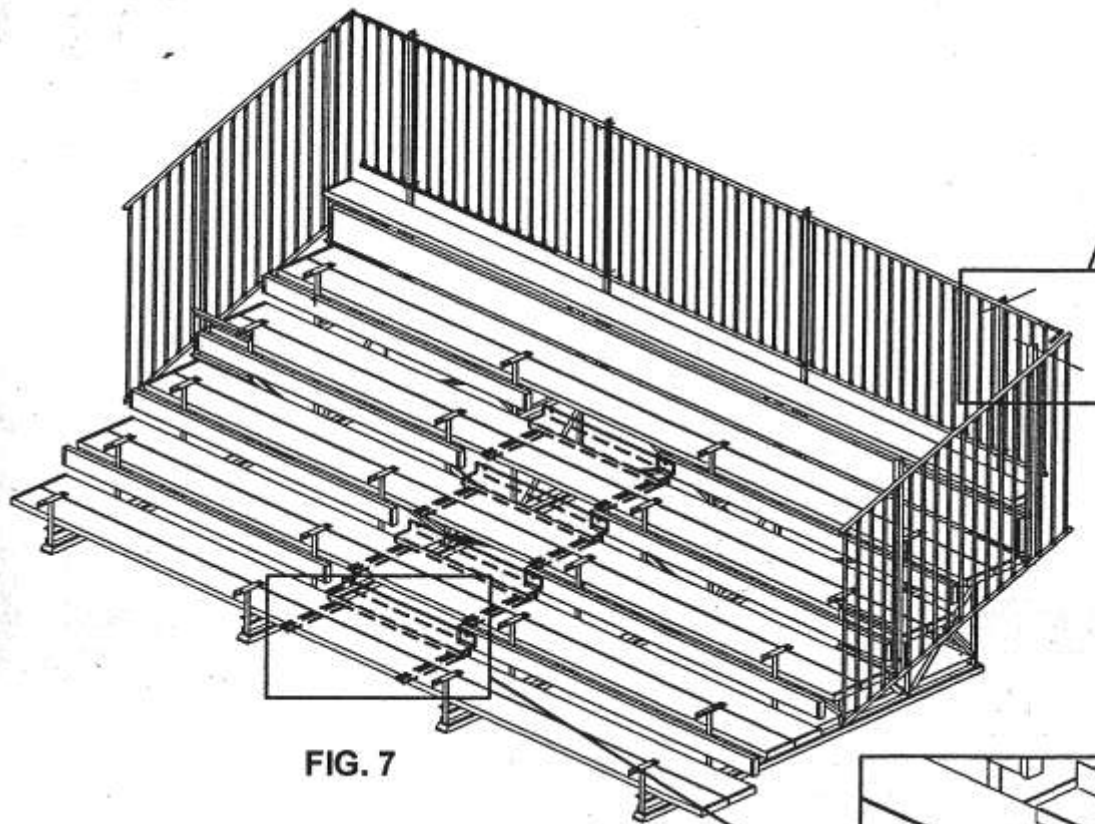


FIG. 7

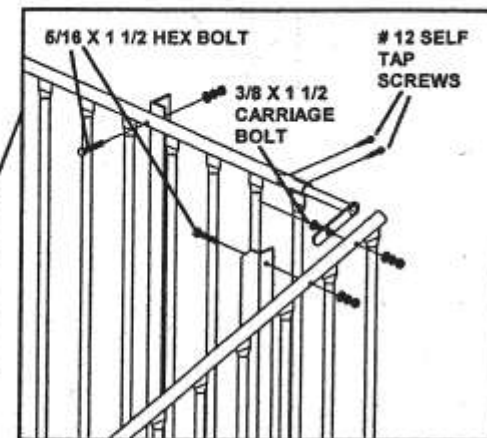


FIG. 7a

STEP 7: ATTACH SAFETY RAILS

STEP 8: ATTACH STEP EXTENSIONS

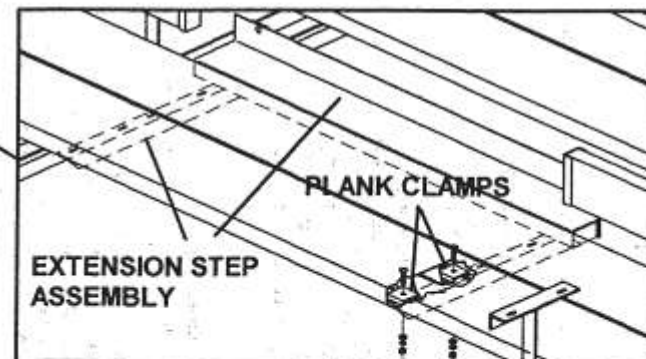
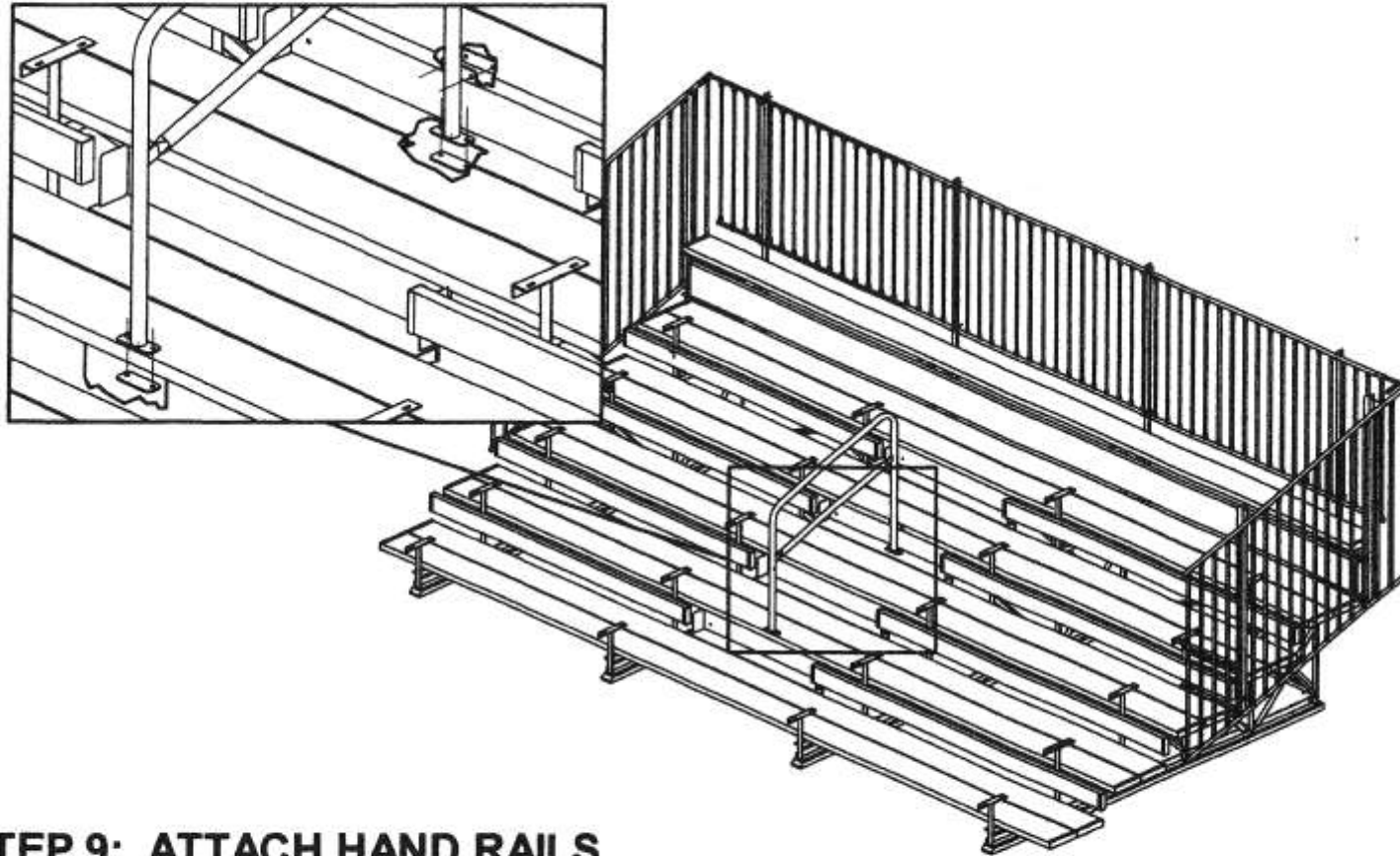


FIG. 7b



STEP 9: ATTACH HAND RAILS