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Note: Please read and understand the Upper Deck Audience Seating® Owner's Manual before attempting installation, disassembly or storage.

Note: Remove all items from the shipping containers and sort the components by size, length, etc. Refer to the illustrations on the following pages. If you need additional information about your Upper Deck Audience Seating, write or telephone Wenger Corporation at the number below.

Note: The Upper Deck Audience Seating always requires two people for installation.

SAFETY

Throughout this manual you will find **CAUTIONS** and **WARNINGS** which are defined as follows.

- **WARNING** means that failure to follow the instruction may result in serious injury or death.
- **CAUTION** means that failure to follow the instruction may result in serious injury or damage to the Upper Deck Seating.

INSTALLATION

- Make sure that anyone who helps Install the Upper Deck Audience Seating has read and understands this manual.
- Many steps require that two persons work together in the setup. Some components weight more than 100 pounds and are difficult to handle.
- Upper Deck Seating components can cause serious injury if dropped.
- Always wear gloves and safety shoes when setting up the Upper Deck Seating.
- Always wear a hard hat if the Upper Deck Seating exceeds 60-inches in height.

UPPER DECK AUDIENCE SEATING STABILITY

- The assembly must comply with the instructions contained in this Owner's Manual. For additional copies of the Owner's Manual, contact Wenger Corporation Customer Service at 1-800-887-7145.
- Upper Deck bundles can fall over unexpectedly when being unfolded causing serious injury to personnel working on the installation.
- Walking on the trusses without decks in place can result in serious injuries from falling.
- To avoid serious injury, always install rails as soon as possible.

STORAGE AND TRANSPORT

- All four casters of storage carts must be in contact with the floor or ground at all times.
- Always distribute the load evenly on storage carts. Avoid top-heavy loading.
- Avoid using storage carts on ramps steeper than a one-foot rise or drop in a 12-foot horizontal distance.
- Always move storage carts slowly up or down a ramp with the narrow end of the cart in the direction of travel.
- Do not pull or push too high on storage carts or step on the side of the cart base which may cause the cart to tip over.
- Avoid off-center loads which may cause the cart to tip over.
- If a storage cart is heavily loaded, two people are always required to move the cart (one pushing at the rear and one guiding at the front).

! WARNING
Upper Deck Seating Components can cause serious injury if dropped.

! WARNING
Always wear gloves and safety shoes when setting up the Upper Deck Seating.

! WARNING
Always wear a hard hat if the Upper Deck Seating exceeds 60-inches in height.

! CAUTION
Two people are required for some setup steps.

! WARNING
To avoid serious injury, never walk on trusses without decks in place.

! WARNING
Bundles can tip over unexpectedly when unfolding causing serious injury or death!

! WARNING
To avoid serious injury always install the Rails as soon as possible.

WARRANTY

Wenger Upper Deck Audience Seating is guaranteed free of defects in materials and workmanship for five full years.

Our guarantee assures you of either a full refund or repair or replacement of the defective materials or workmanship without charge, at the discretion of our Customer Service Department.

Just call a Customer Service Representative at 1-800-887-7145 and state the reason you are dissatisfied. If a product return is necessary, your representative will issue a return authorization. This is your sole remedy for breach of this warranty.

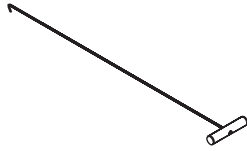
Should you have a question or problem with any Wenger product, don't hesitate to call, even if the product is past warranty. It's important to us that all of our customers are satisfied.

This is the sole warranty made by Wenger. Wenger disclaims all other warranties, including the warranties of merchantability and fitness for a particular purpose, as well as all liability for incidental, consequential, special, and indirect damage. Wenger liability for direct damages shall be limited to the amount you paid for the product involved. Wenger reserves the right to make product changes without obligation to incorporate such changes into products previously sold.

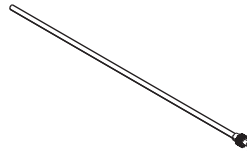
Some states do not allow the exclusion or limitation of damages or warranties, so the above may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

REQUIRED TOOLS

Tools required for assembly and disassembly of the Upper Deck Seating system are work gloves, safety shoes, a Deck Tool, a 9/16" socket and ratchet or power drill, and a power drill and Leveler Tool if the system is equipped with Power Levelers.



Deck Tool

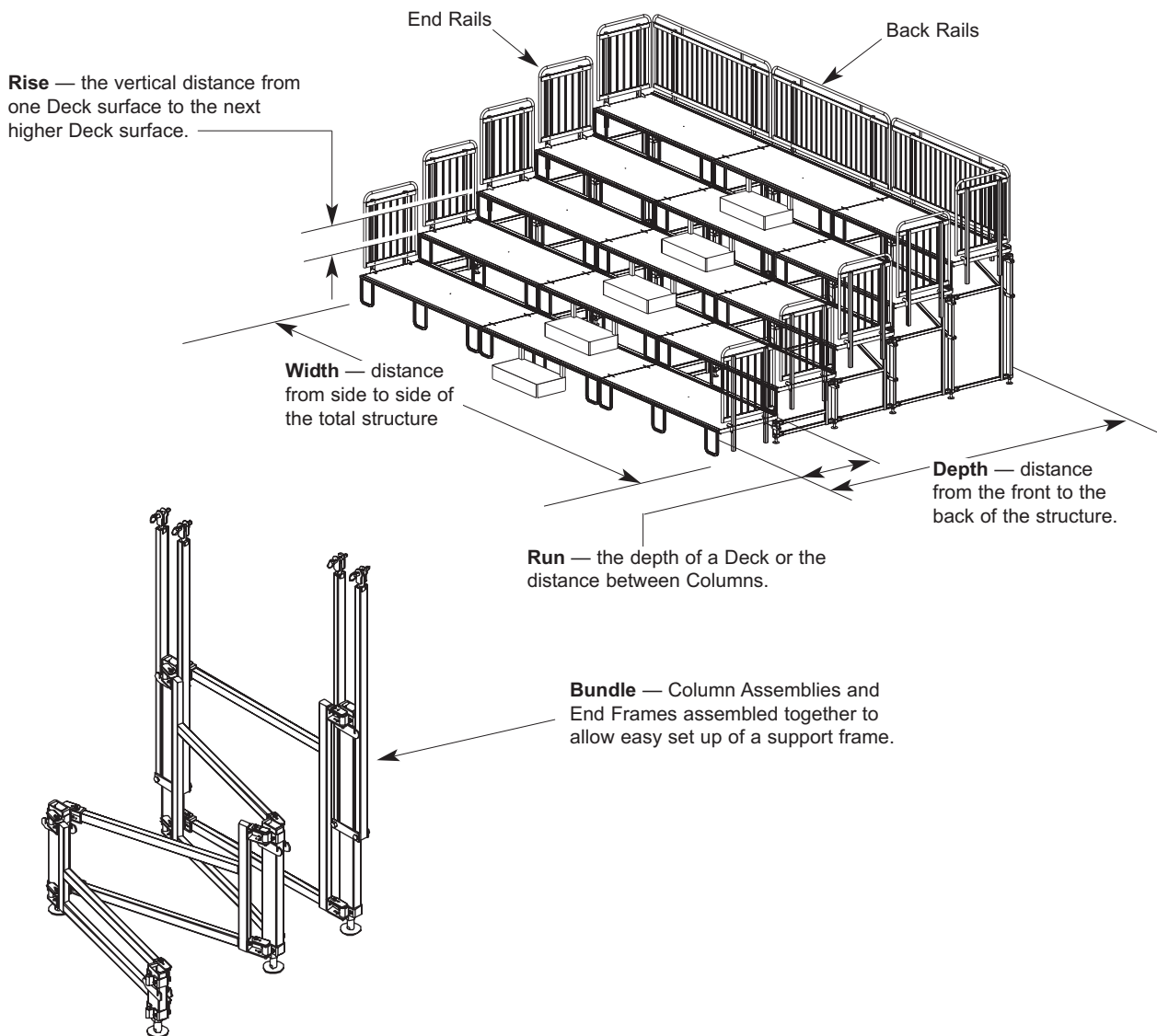


Power Leveler Tool

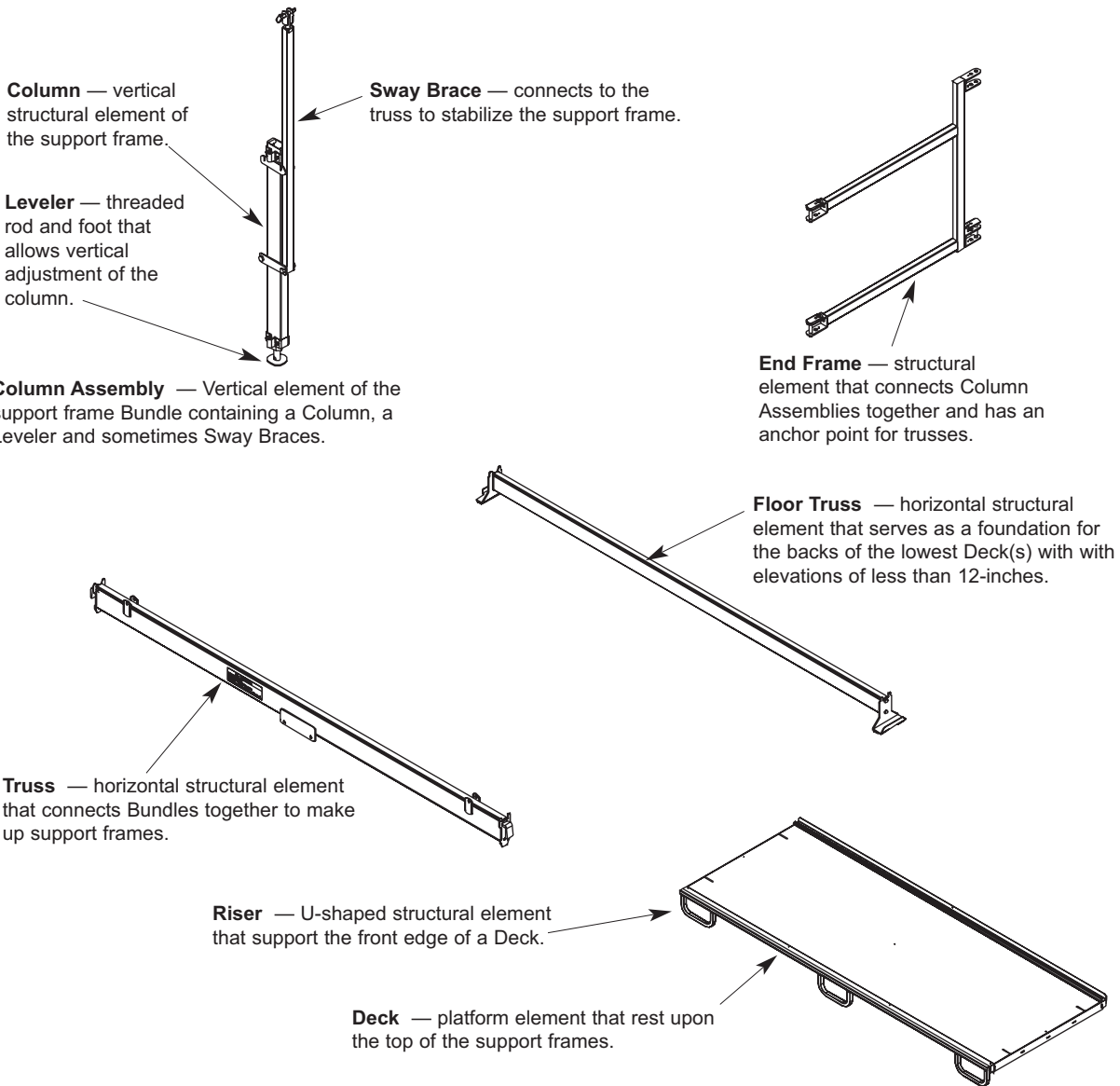


9/16" Socket and Ratchet

UPPER DECK SEATING DESCRIPTION



UPPER DECK SEATING DESCRIPTION CONTINUED



SETTING UP FOR THE FIRST TIME

- 1 Remove all parts from their shipping containers (refer to the packing list enclosed with the shipment). Save all packaging materials until the Upper Deck Audience Seating has been set up and assembled for the first time.
- 2 Sort all Upper Deck Audience Seating items by size, length, etc.
- 3 Carefully review any drawing sets supplied with the system.
- 4 If the Upper Deck Audience Seating is to be stored before the initial set up and assembly, go to the *TRANSPORT AND STORE UPPER DECK COMPONENTS* section.
- 5 If the Upper Deck Audience Seating is to be set up immediately, go to *Upper Deck Installation* section.

NOTE: Read and understand this entire manual before starting the assembly.

UPPER DECK INSTALLATION

MEASURE THE SPACE

Read and understand the Safety Section and the entire Upper Deck Installation Section before starting the installation. A large Upper Deck Audience Seating system is difficult to move after it is installed. Always measure and mark the installation area first as described below.

NOTE: Always consult any Wenger or customer drawings to determine the arrangement of the Upper Deck Audience Seating System before starting the installation.

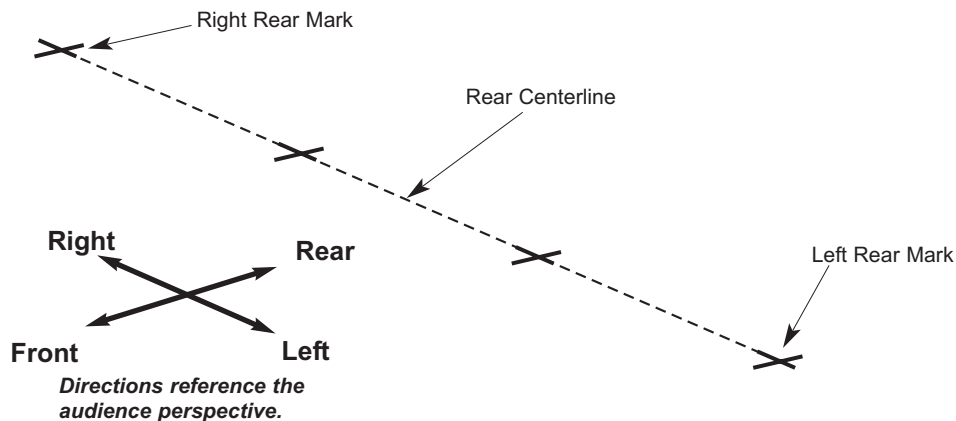
NOTE: Always consult local Building Codes regarding accessibility to the seating area before proceeding.

Layout the total area of the Upper Deck Seating System as a grid locating the centerline of each Column. Always allow space outside of the centerline grid for the system components in the table below.

Required clearance outside of the centerline grid:

Component	Rear	Each Side	Front
Back Rail	3-3/4"	—	—
Column, Manual Leveling	2"	2-3/4"	2"
Column, Power Leveling	2-5/8"	2-3/4"	2-5/8"
Deck, Top Surface	3/4"	0	3/4"
Deck, Riser	—	0	3/4"

1. Layout the rear centerline of the grid where the system will rest as follows.
 - a. Mark the centerline position of the right rear (or left rear) Column (the tallest Column in the Bundle). Be sure to allow the necessary space if the installation is in a confined space.
 - b. Layout a line along the rear of the grid where the tallest Columns of the other Bundles will rest (this is the rear of the Upper Deck Seating System).
 - c. Mark the centerline position of each Bundle. (For instance, this distance, center to center, is 8' - 0" for 8' Decks. If the System will be three decks wide, the right mark will be 24' - 0" from the left mark.)



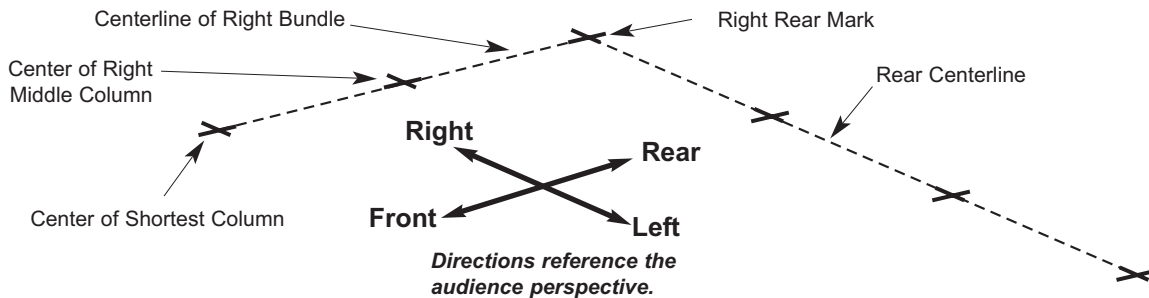
UPPER DECK INSTALLATION CONTINUED

MEASURE THE SPACE CONTINUED

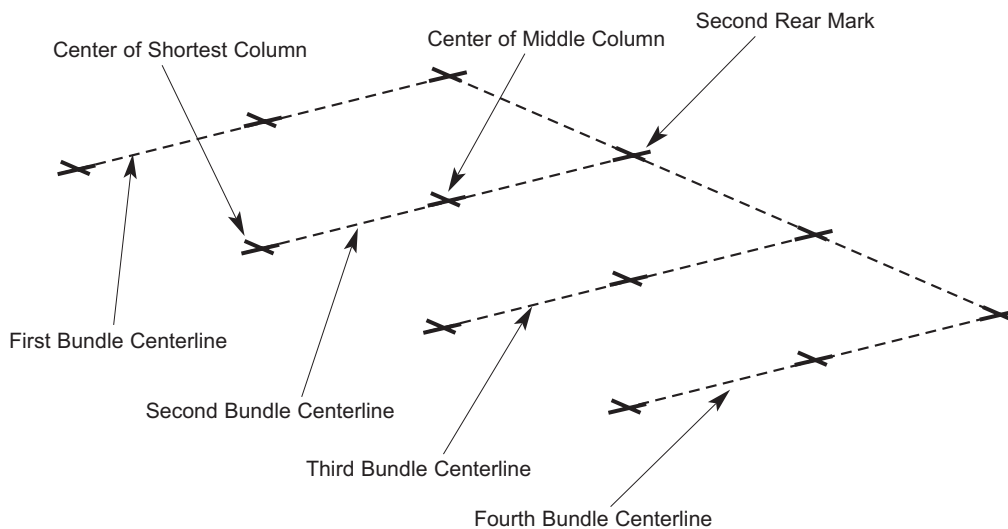
2. Layout the grid for the left (or right) Bundle as follows.
 - a. Starting at the left rear (or right rear) mark, mark a line for the left (or right) Bundle centerline. If the Run is 3' and the Bundle has five columns (four Decks deep), the line will be 15' - 0" long. It must be at a right angle with the rear centerline.
 - b. Mark the centerline position for the middle Column of the Bundle. This will be the point where Bundles will be placed for unfolding. In this example, it would be 6' from the rear mark which is two times a 3'-Run and locates the mid-position (the Bundle supports four Decks or the distance of four Runs).

NOTE: If the Bundle has an even number of Columns, choose a Column that is the second or third Column from the rear as the starting point.

- c. Mark the position of the shortest Column of the left (or right) Bundle. (In this example, it would be four times a 3'-Run or a total of 12'.)



3. Layout the grid for the second Bundle as follows.
 - a. Starting at the second rear mark, layout a line for the second Bundle centerline.
 - b. Mark the center position for the middle Column of the Bundle (in this example, six-feet from the rear).
4. Continue to layout the grid for the remaining Bundles.

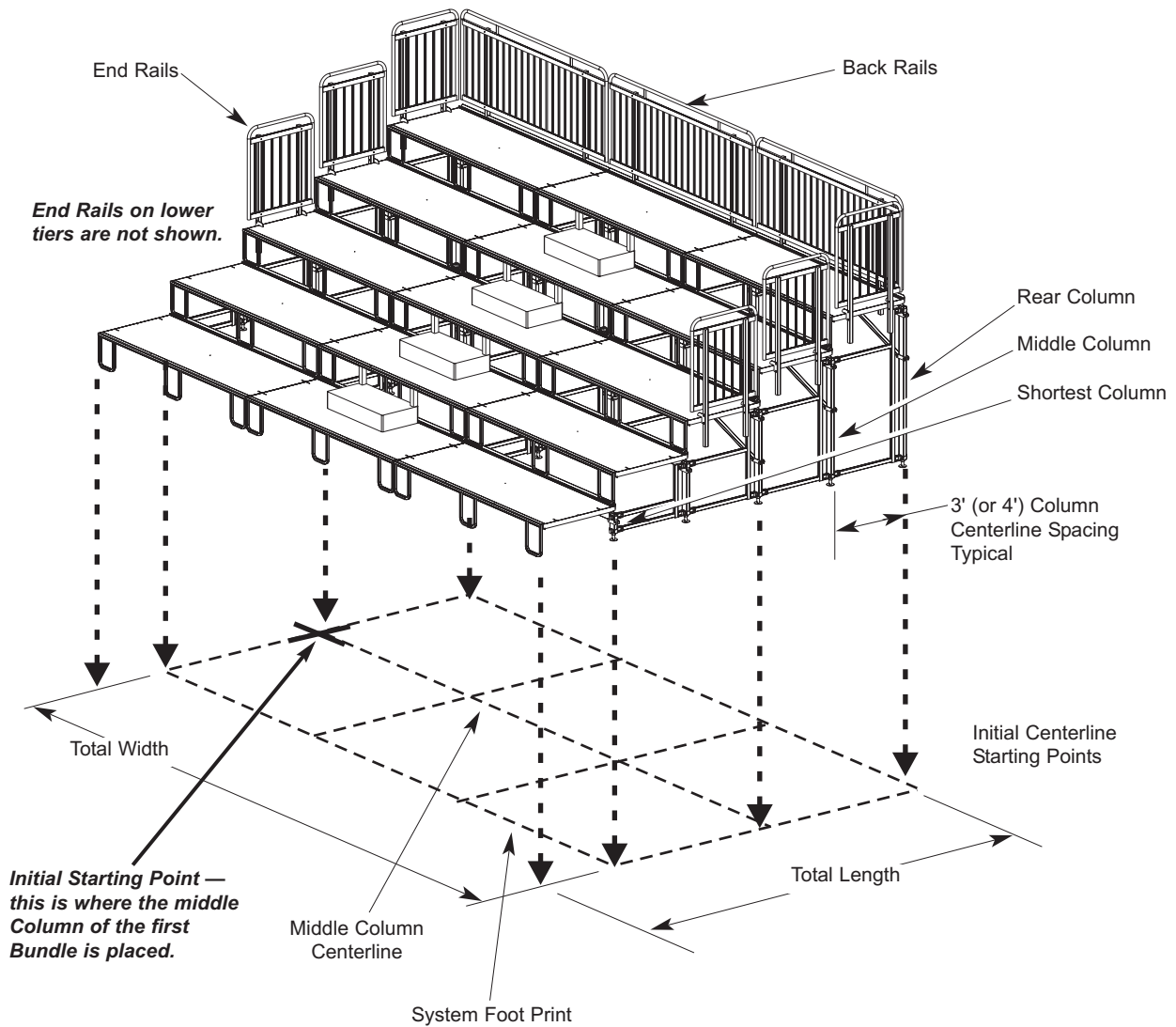


UPPER DECK INSTALLATION CONTINUED

MEASURE THE SPACE CONTINUED

5. The illustration below shows how the Upper Deck Seating System assembles over the grid.

Typical Upper Deck Audience Seating System with 8-foot x 3-foot decks, 12-inch rise to a 60-inch elevation, Back Rails and End Rails.



UPPER DECK INSTALLATION CONTINUED

ERECT THE FIRST SUPPORT FRAME SECTION

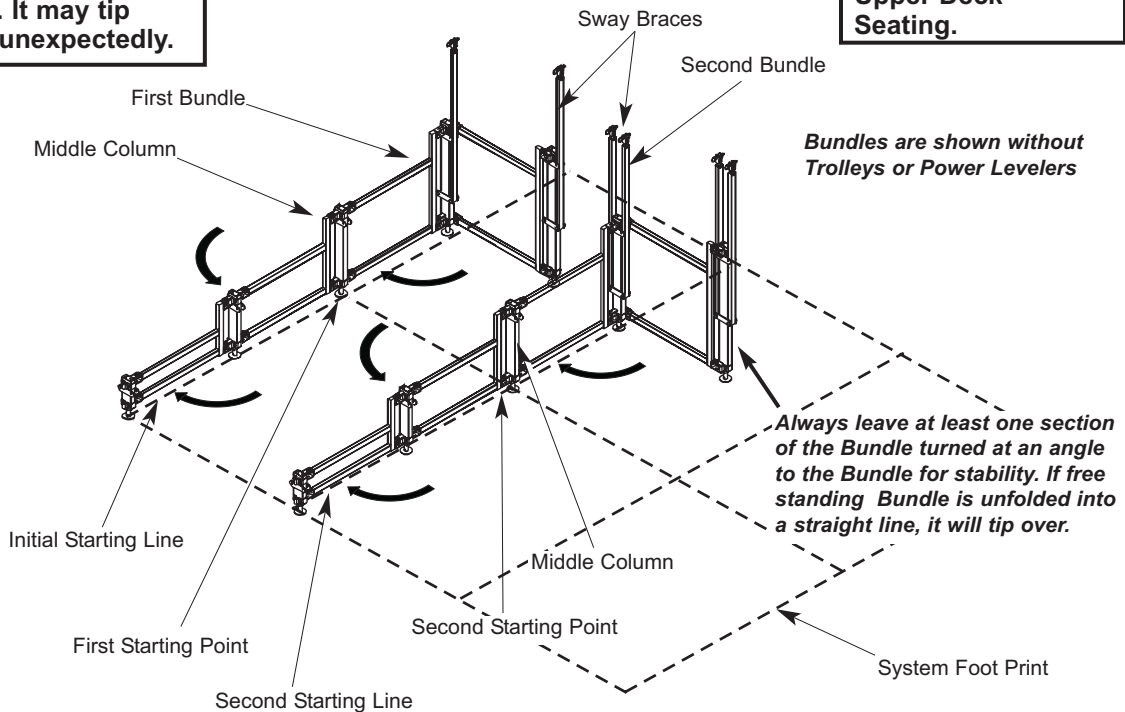
Start erecting support frames as follows.

NOTE: Leave the Sway Braces strapped in the upper position.

1. Place the first Bundle on the First Starting Line of the marked area.
 - a. Align the **middle column** to the initial start mark. In this example, the Bundle has five Columns, therefore, the middle Column is the third Column from the rear.
 - b. Unfold the shorter columns to the front leaving the taller columns folded (to prevent the Bundle from tipping over).
2. Place the second Bundle on the Second Starting Line of the marked area.
 - a. Align the Middle Column to the Second Initial Start Mark.
 - b. Unfold the shorter columns to the front leaving the taller columns folded (to prevent the Bundle from tipping over).

! WARNING
Do not unfold the entire bundle as once. It may tip over unexpectedly.

! WARNING
Always wear gloves and safety shoes when setting up the Upper Deck Seating.



! WARNING
Upper Deck Seating Components can cause serious injury if dropped.

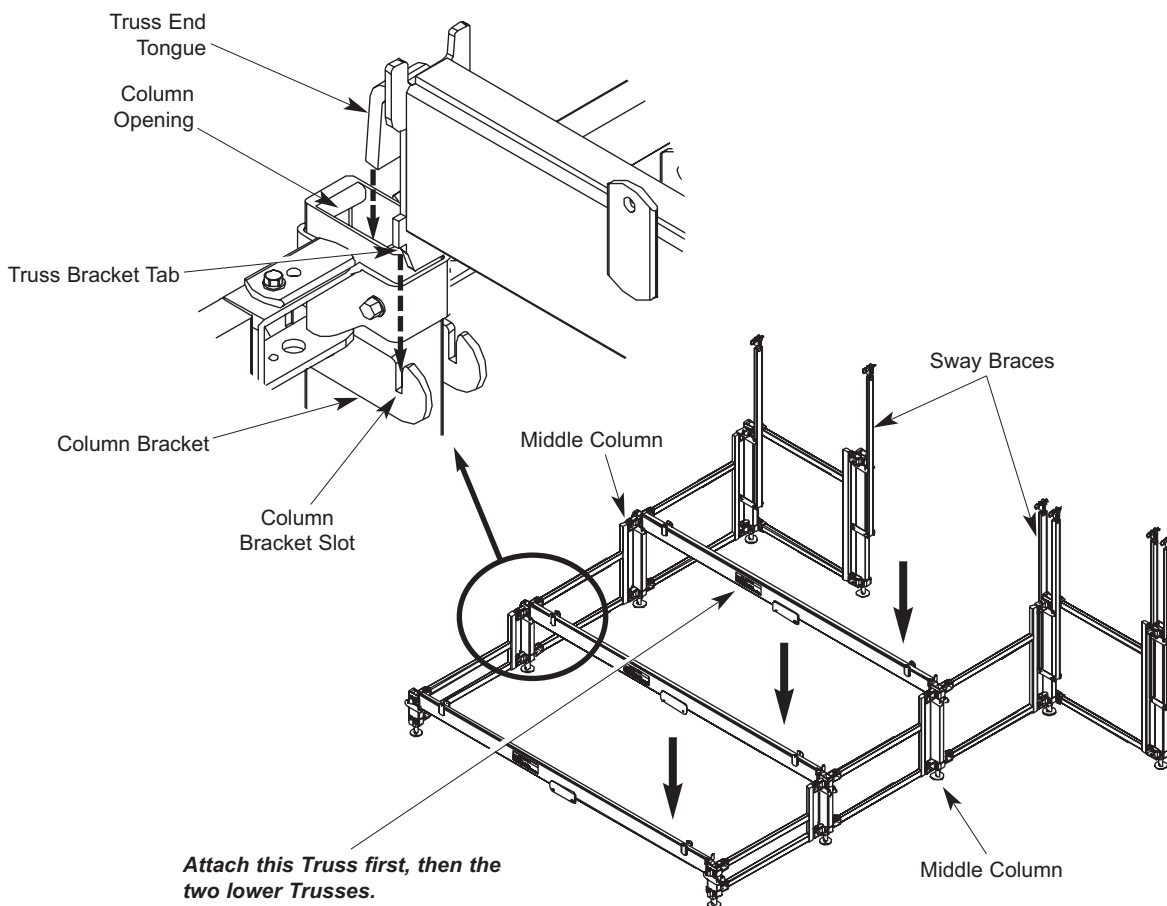
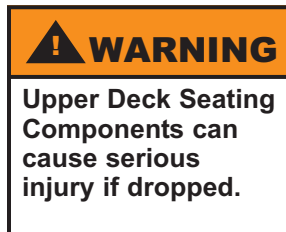
! CAUTION
Two people are required for some setup steps.

! WARNING
Bundles can tip over unexpectedly when unfolding causing serious injury or death!

UPPER DECK INSTALLATION CONTINUED

ERECT THE FIRST SUPPORT FRAME SECTION CONTINUED

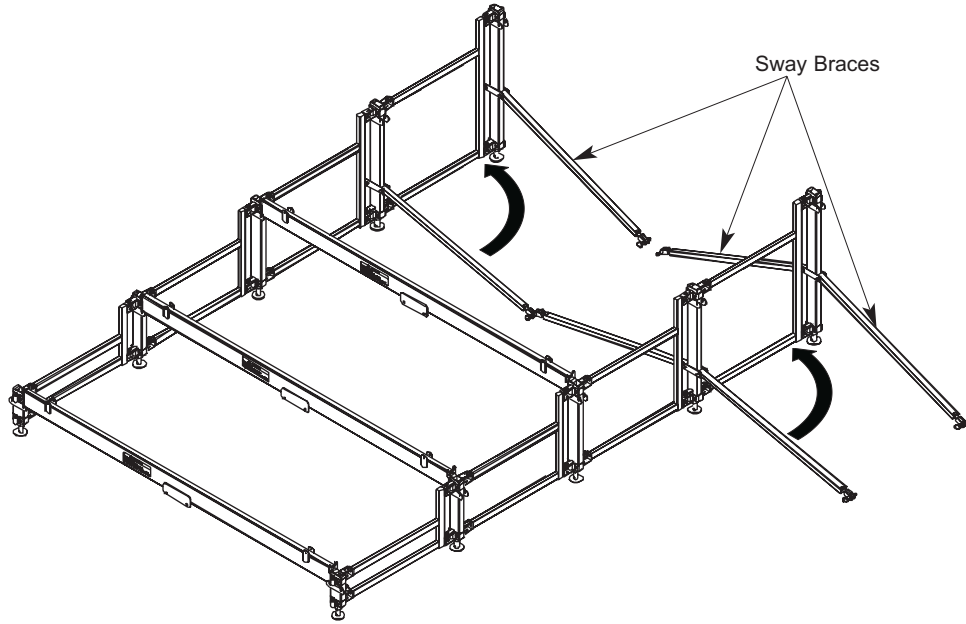
3. With the taller Columns of the Bundles folded, assemble Trusses to the Columns.
 - a. Attach a Truss to the two Middle Columns engaging the tongue on each end of the Truss with the Opening in the top of each Column. Make sure that the Tabs on each end engage the slots on the Column Bracket.
 - b. Attach the other Trusses to the Columns in front of the Middle Columns.



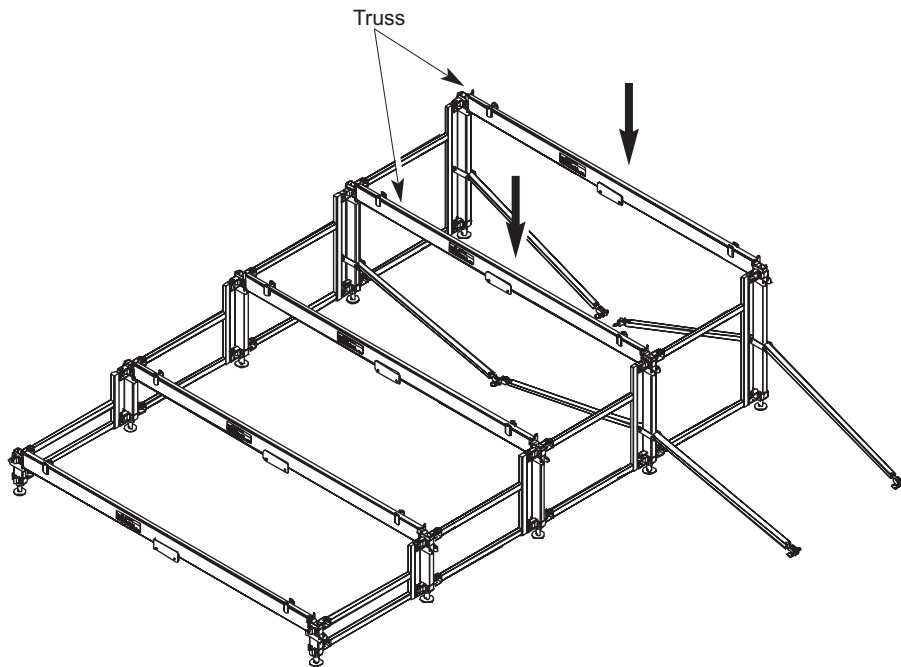
UPPER DECK INSTALLATION CONTINUED

ERECT THE FIRST SUPPORT FRAME SECTION CONTINUED

4. Unfold the remaining Columns of the Bundle so that each Bundle is in a straight line as shown below.
5. Unstrap the Sway Braces and let the Sway Brace ends rest on the floor.



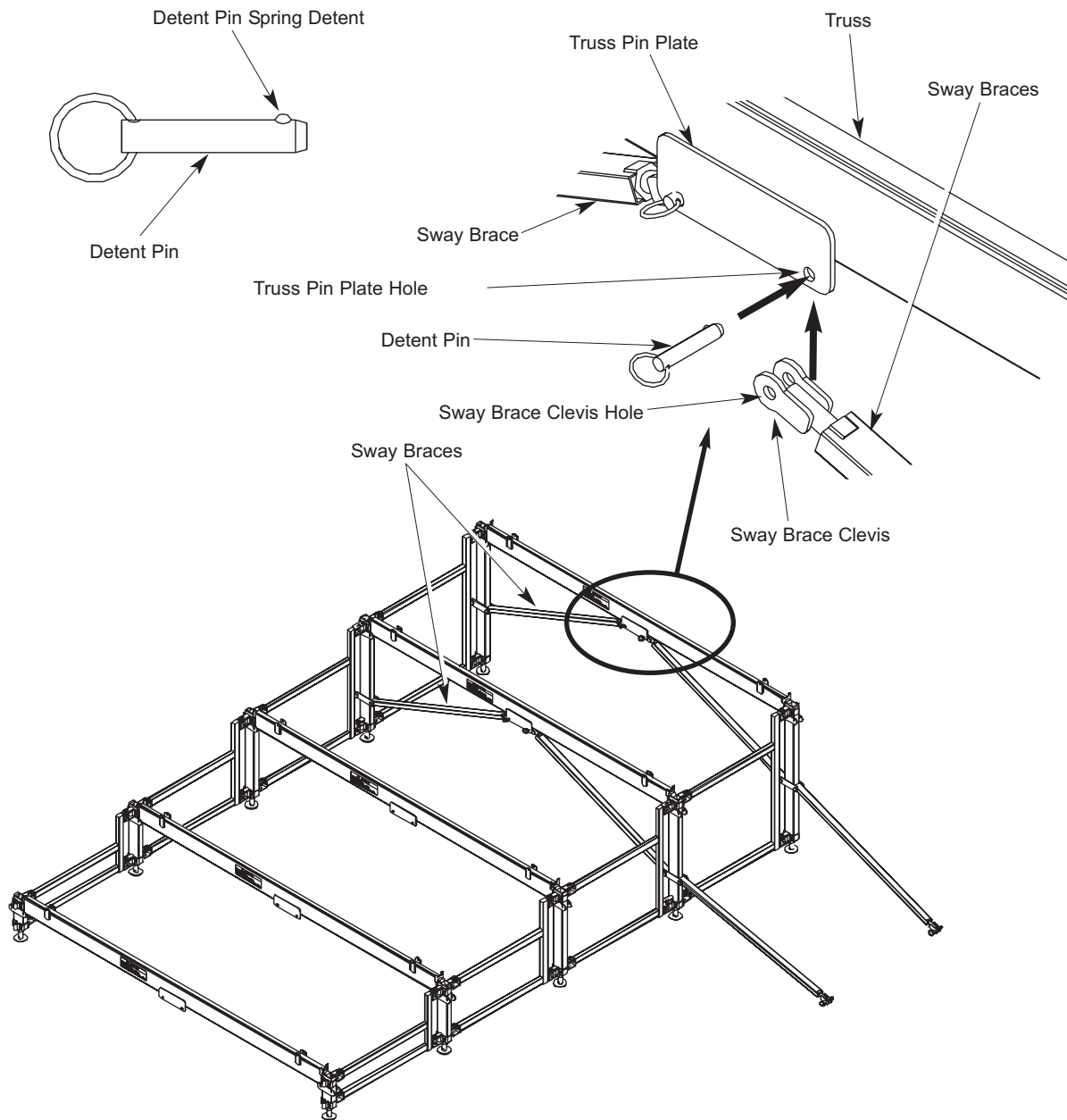
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6. Attach the remaining Trusses to the Columns as done in step 3.



UPPER DECK INSTALLATION CONTINUED

ERECT THE FIRST SUPPORT FRAME SECTION CONTINUED

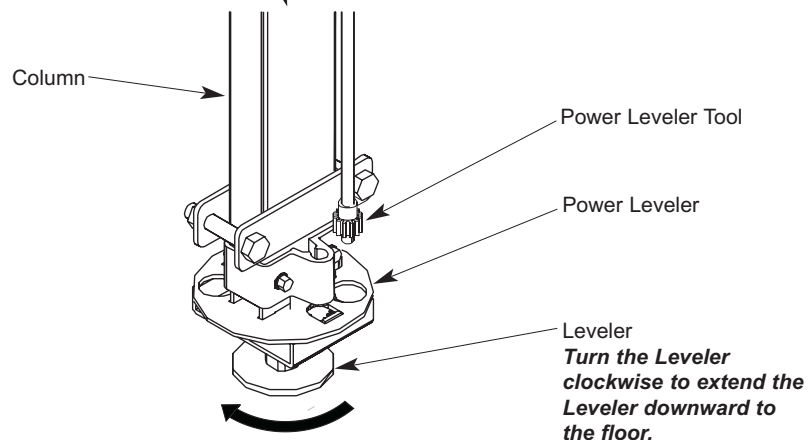
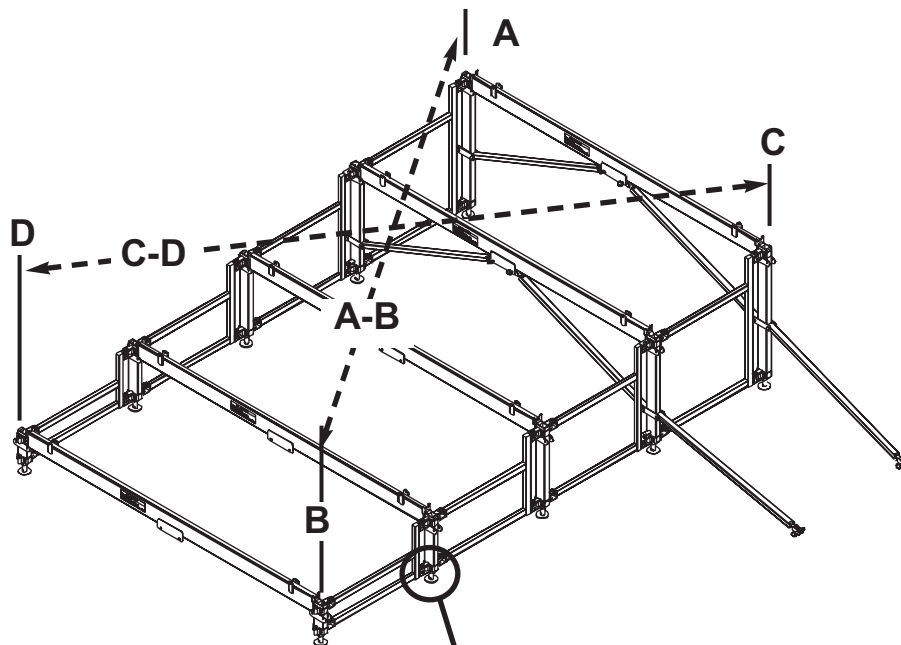
7. Connect the Sway Braces to the Trusses.
 - a. Before starting, make use that the ends of the Trusses fully engage the Column Bracket.
 - b. Lift each Sway Brace from the floor and remove the Detent Pin from the Clevis.
 - c. Align the Sway Brace Clevis Holes to the Truss Pin Plate Holes by turning the Clevis clockwise or counterclockwise until the Holes are aligned.
 - d. Insert the Detent Pin into the Truss Pin Plate Holes and through the Holes in the Sway Brace Clevis. Make sure that spring loaded Detent in the Detent Pin passes completely through both Truss Pin Plates.



UPPER DECK INSTALLATION CONTINUED

SQUARE AND LEVEL THE FIRST SECTION

1. Square the First Section by measuring opposite corners as shown in the Diagram below.
 - a. Measure from Point A to Point B.
 - b. Measure from Point C to Point D.
 - c. If the measurement A-B does not equal measurement C-D, move either the First or the Second Bundle until the two measurements are equal.
2. Level the First Section by:
 - a. A Power Leveler Tool attached to a power drill is inserted into the Power Leveler engaging the steel gear. This allows easy lifting or lowering of the support frame.
 - b. Make sure that each Leveler makes firm contact with the floor and that each Leveler is near the middle of the adjustment range (about two-inches from the floor to the bottom surface of the Leveler Bracket). When looking down at the Leveler, turning it clockwise will extend the Leveler toward the floor.
 - c. If the floor is uneven, use of a carpenter's level may be necessary.

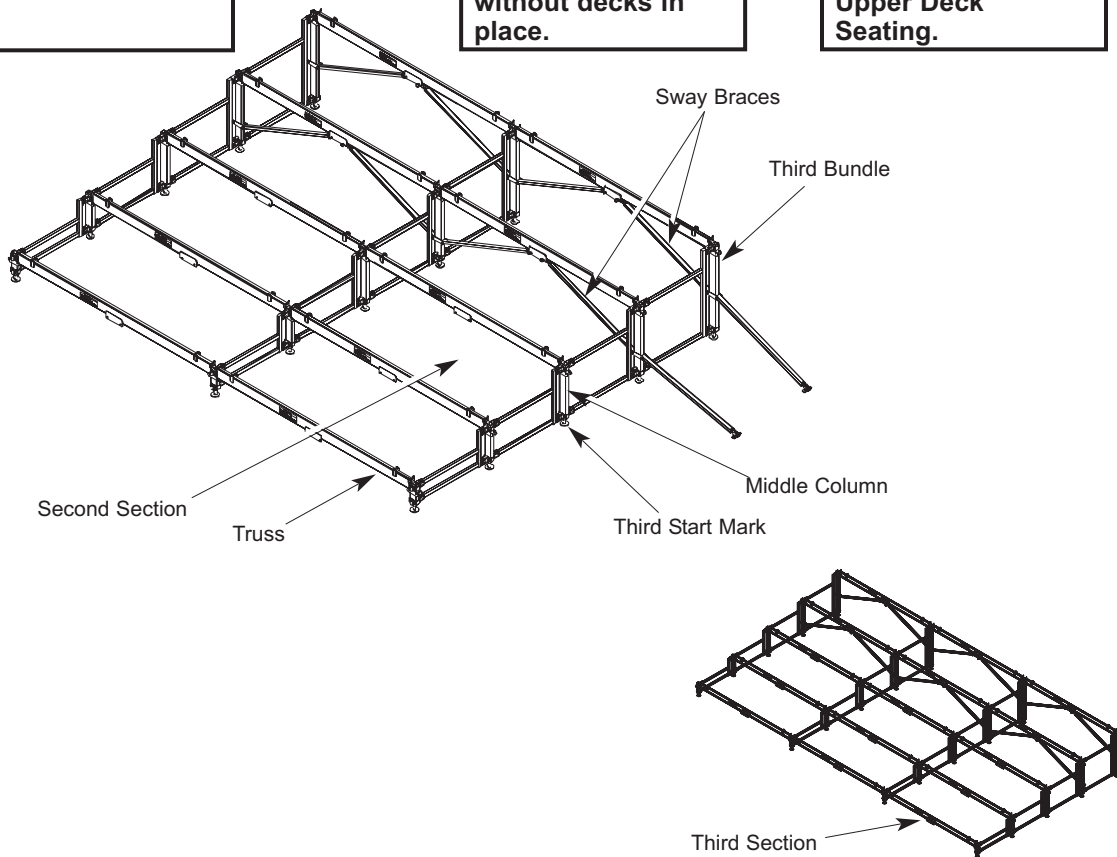


UPPER DECK INSTALLATION CONTINUED

ERECT REMAINING SUPPORT FRAME SECTIONS

Erect the remaining Support Frame sections as follows.

1. Place the third Bundle on the Third Starting Line of the marked area.
 - a. Align the Middle Column to the Third Initial Start Mark.
 - b. Unfold the shorter columns to the front **leaving the taller columns folded** (to prevent the Bundle from tipping over).
2. With the Bundles not completely unfolded, attach Trusses as follows.
 - a. Attach a Truss to the two Middle Columns by engaging the tongue on each end of the Truss with the Opening in the top of each Column. Make sure that the Tabs on each end engage the slots on the Column Bracket.
 - b. Attach the other Trusses to the Columns in front of the Middle Columns.
3. Unfold the remaining Columns of the Bundle so that each Bundle is in a straight line as shown below.
4. Unstrap the Sway Braces and let the ends rest on the floor.
5. Attach the remaining Trusses to the Columns as done in step 2.
6. Connect the Sway Braces to the Trusses.
7. Square and Level the Second Section. Refer to the previous page.
8. Add additional sections.



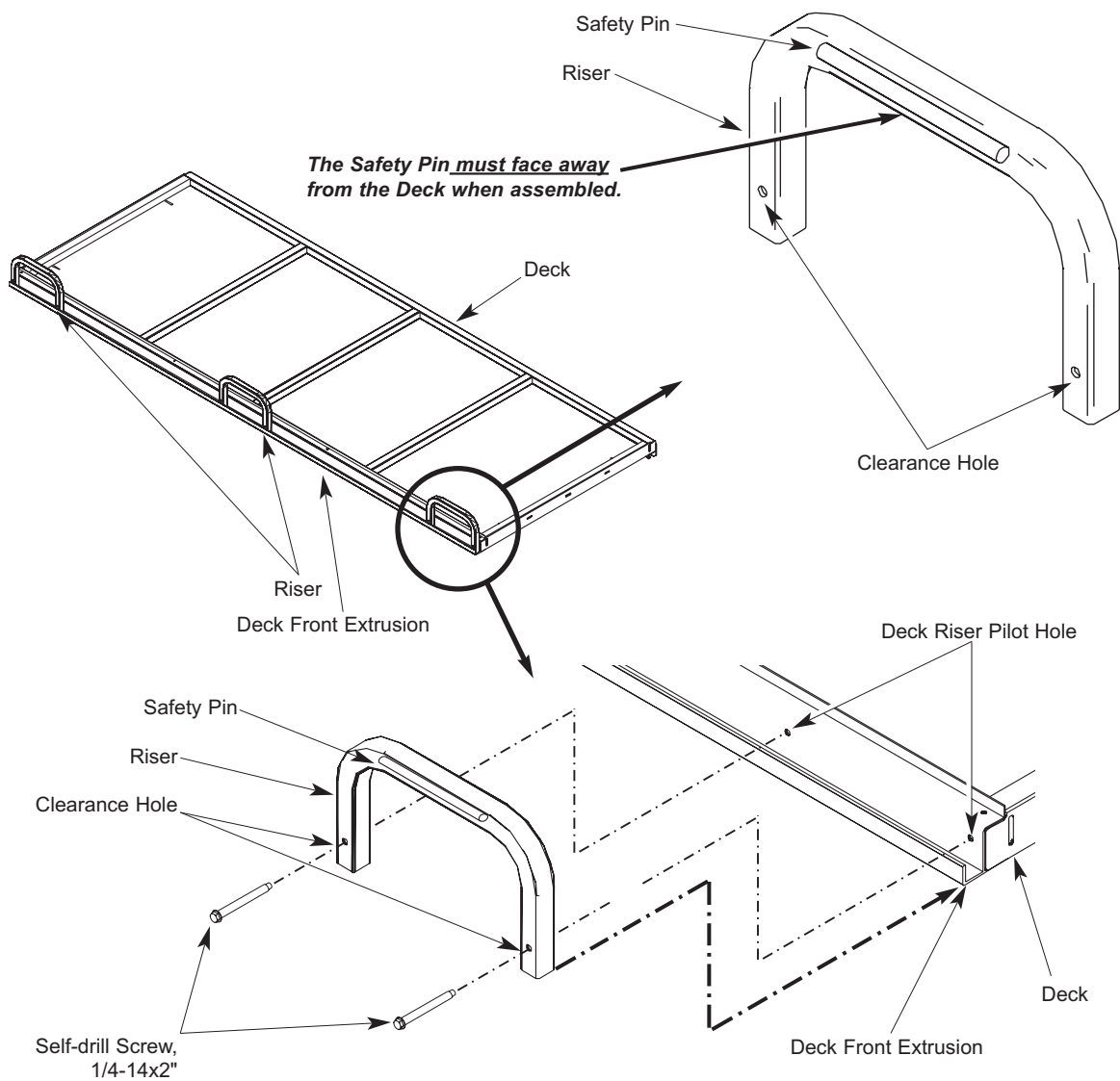
UPPER DECK INSTALLATION CONTINUED

INSTALL DECKS

1. Attach the Risers to a Deck as follows. This must be done when the system is initially set up. Typically, Risers are not removed from the Decks after attachment.

NOTE: Rectangular four-foot Decks have two Risers. All other Rectangular Decks have three Risers. Corner Decks have one to three Risers, depending upon the Deck size.

- a. **With the Safety Pin facing away from the Deck**, insert a Riser into the Deck Front Extrusion and align the two Riser Clearance Holes to two Deck Riser Pilot Holes.
- b. Using a 7/16-inch socket and ratchet, screw two Hex Head Self-drill Screws (1/4-14x2") through the Riser Clearance Holes into the two Deck Riser Pilot Holes. **Do not over tighten!**
- c. Attach the other Risers to the Decks in the same manner.

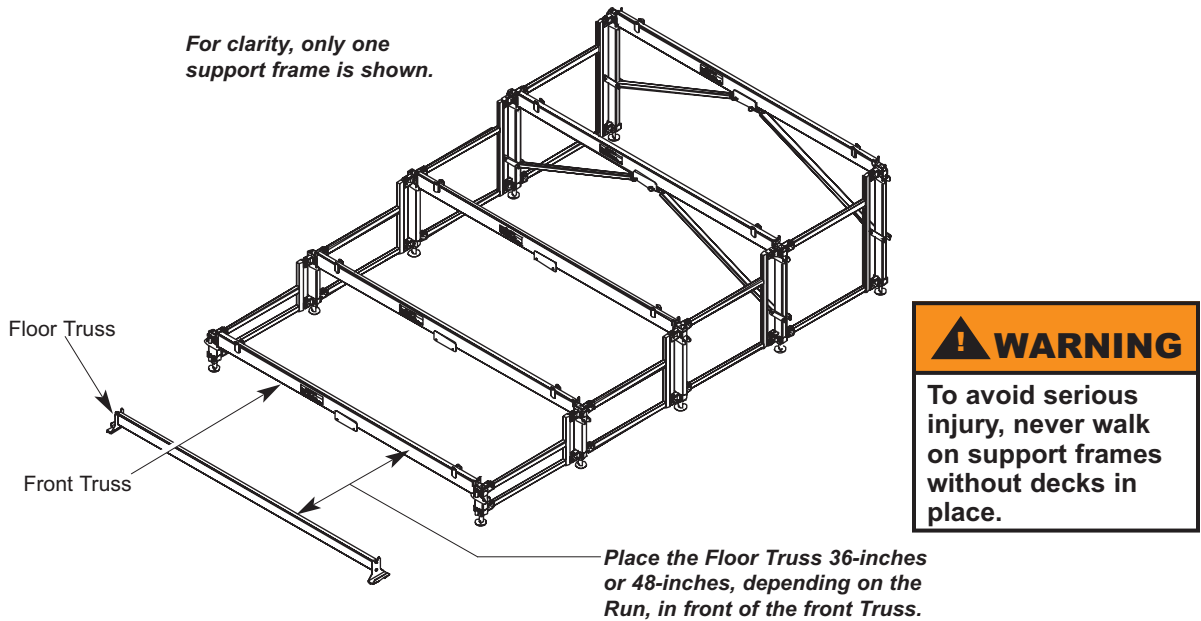


UPPER DECK INSTALLATION CONTINUED

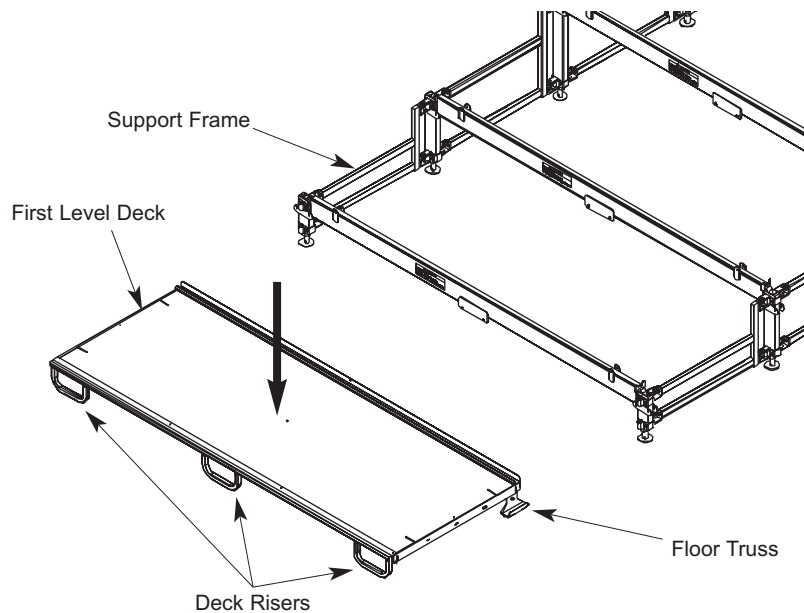
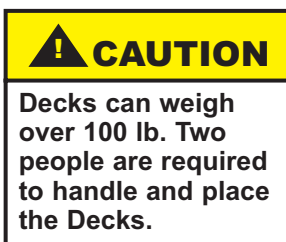
INSTALL DECKS CONTINUED

2. Position a Floor Truss in front (36-inches for Decks that are three-feet wide or 48-inches for Decks that are four-feet wide) of the lowest Truss of the Support Frame section.

NOTE: Only systems with a Rise less than 12-inches require a Floor Truss. Systems with a Rise of four-inches or five-inches will use two Floor Trusses.



3. Place the First Level Deck in position with the rear edge of the Deck centered and resting on the Floor Truss and the front Risers resting on the floor.



UPPER DECK INSTALLATION CONTINUED

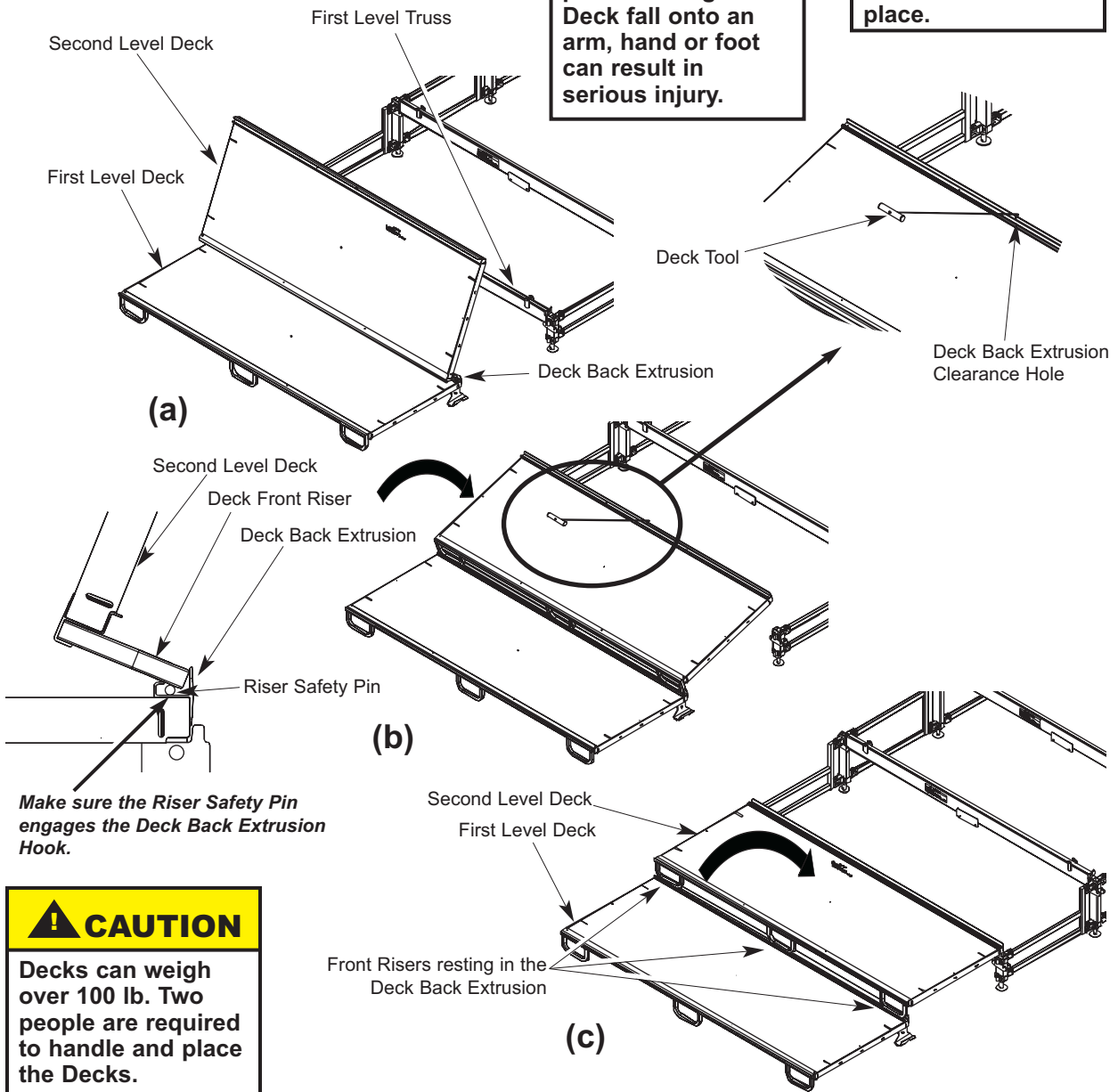
INSTALL DECKS CONTINUED

4. Place the Second Level Deck in position, as follows.
 - a. Place the Second Level Deck Risers into the Deck Back Extrusion as shown in (a) below.
 - b. With the Deck Tool inserted into the Deck Back Extrusion Clearance Hole, as shown in (b), **slowly** lower the Deck until the back edge rests on the Lower Level Truss as shown in (c) below.

For clarity, only one support frame is shown.

! WARNING
 Use the Deck Tool and slowly lower each Deck into place. Letting a Deck fall onto an arm, hand or foot can result in serious injury.

! WARNING
 To avoid serious injury, never walk on support frames without decks in place.



! CAUTION
 Decks can weigh over 100 lb. Two people are required to handle and place the Decks.

UPPER DECK INSTALLATION CONTINUED

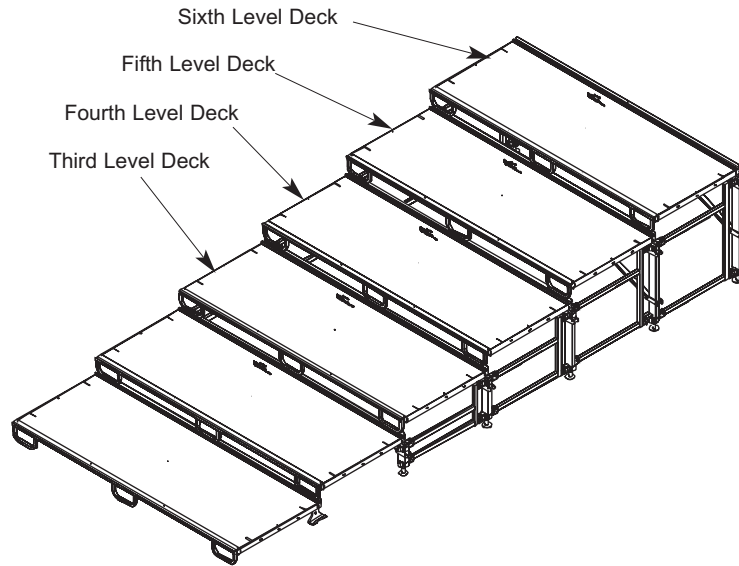
INSTALL DECKS CONTINUED

5. Assemble the rest of the Decks in the same manner as step 3, placing the lowest Deck first and building to the highest Deck.

NOTE: Always make sure that the Deck Risers engage the Deck Back Extrusion on the Deck below.

NOTE: If a Back Rail is to be used, install the Back Rail Mount before placing the highest Deck. **Refer to page 16 for Back Rail Mount installation instructions.**

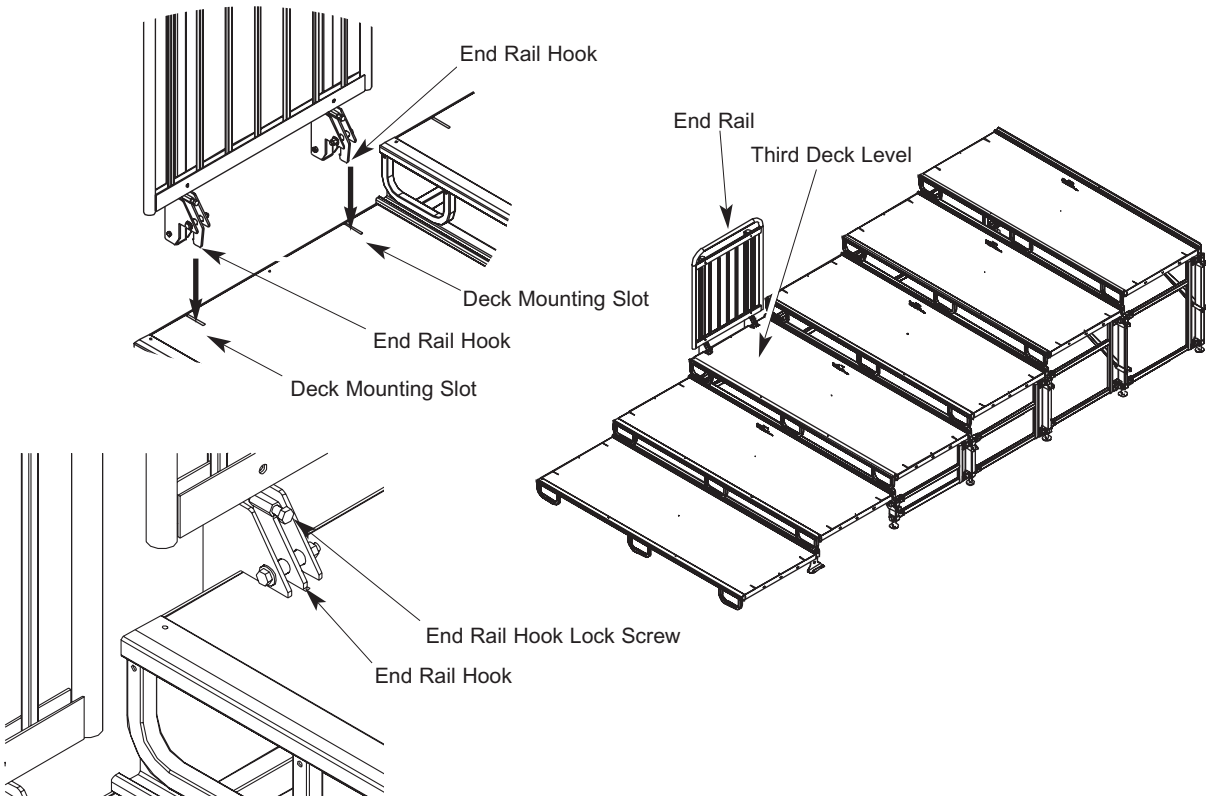
For clarity, only one support frame is shown.



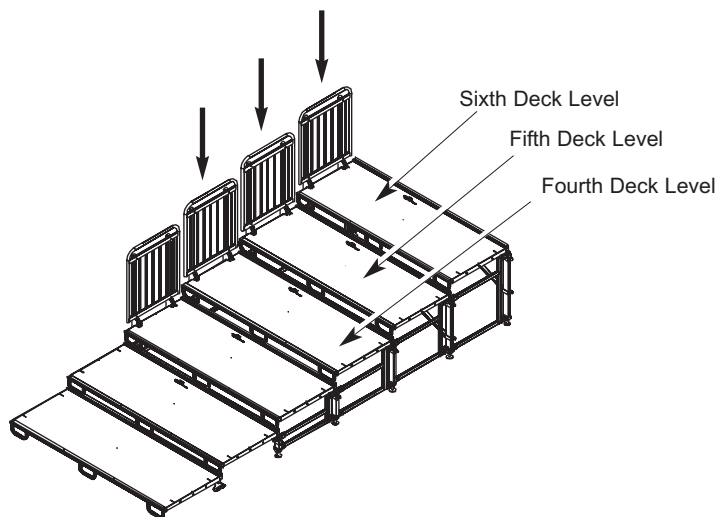
UPPER DECK INSTALLATION CONTINUED

INSTALL END RAILS

1. Align the End Rail Hooks to the Deck Mounting Slots as shown below.
2. Attach the End Rail by inserting the two End Rail Hooks into the two Deck Mounting Slots. Push the End Rail downward until the two End Rail Hooks engage the Deck Frame.
3. Using a 9/16" open end wrench or 9/16" socket and ratchet, screw the End Rail Hook Lock Screw clockwise until it is snug.
4. Torque the End Rail Hook Lock Screw to 150 - 300 in-lbs (13 - 25 ft-lbs).



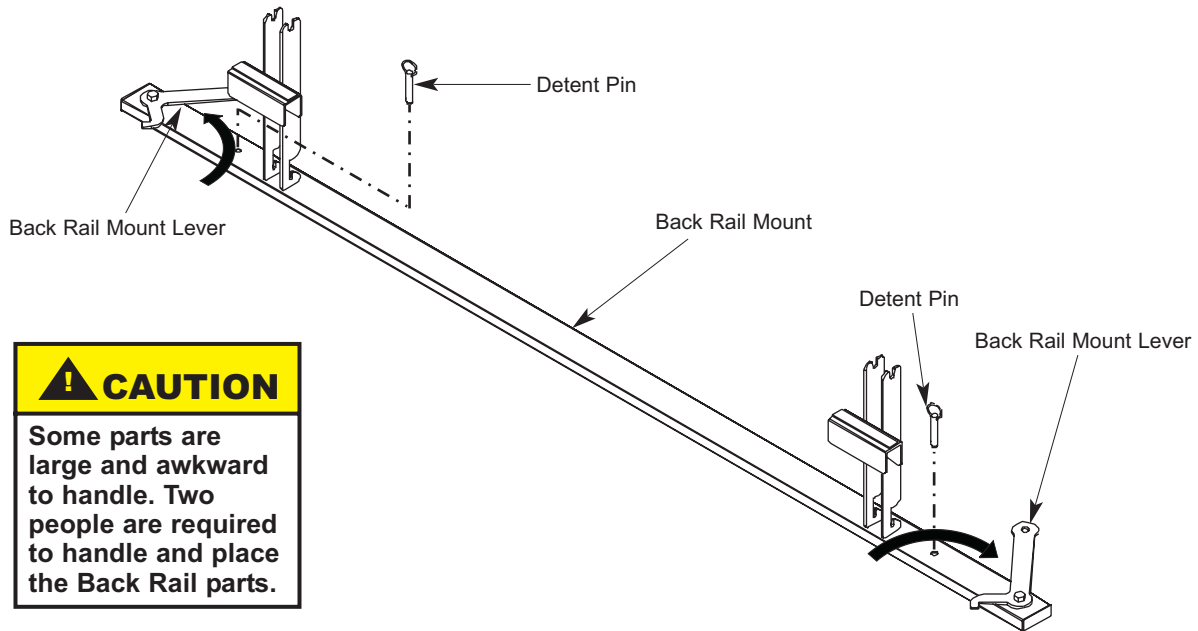
5. Continue attaching End Rails to the higher level Decks.



UPPER DECK INSTALLATION CONTINUED

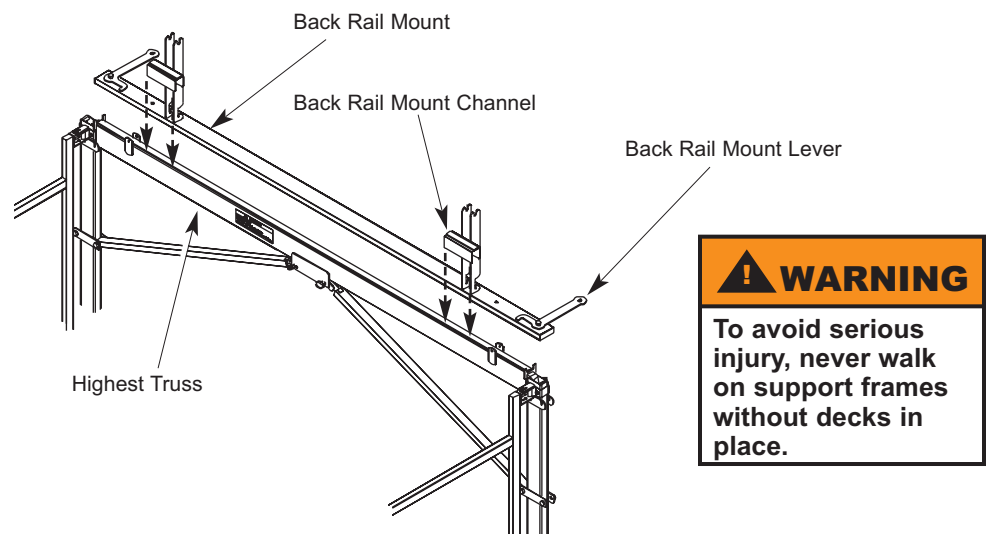
INSTALL BACK RAILS

1. Attach the Back Rail Mount as follows.
 - a. Remove the two Detent Pins from the Back Rail Mount.
 - b. Turn the two Back Rail Mount Levers about 90-degrees so that the hook on each Lever is pulled back as shown below.



2. Align the Back Rail Mount Channels to the highest Truss.

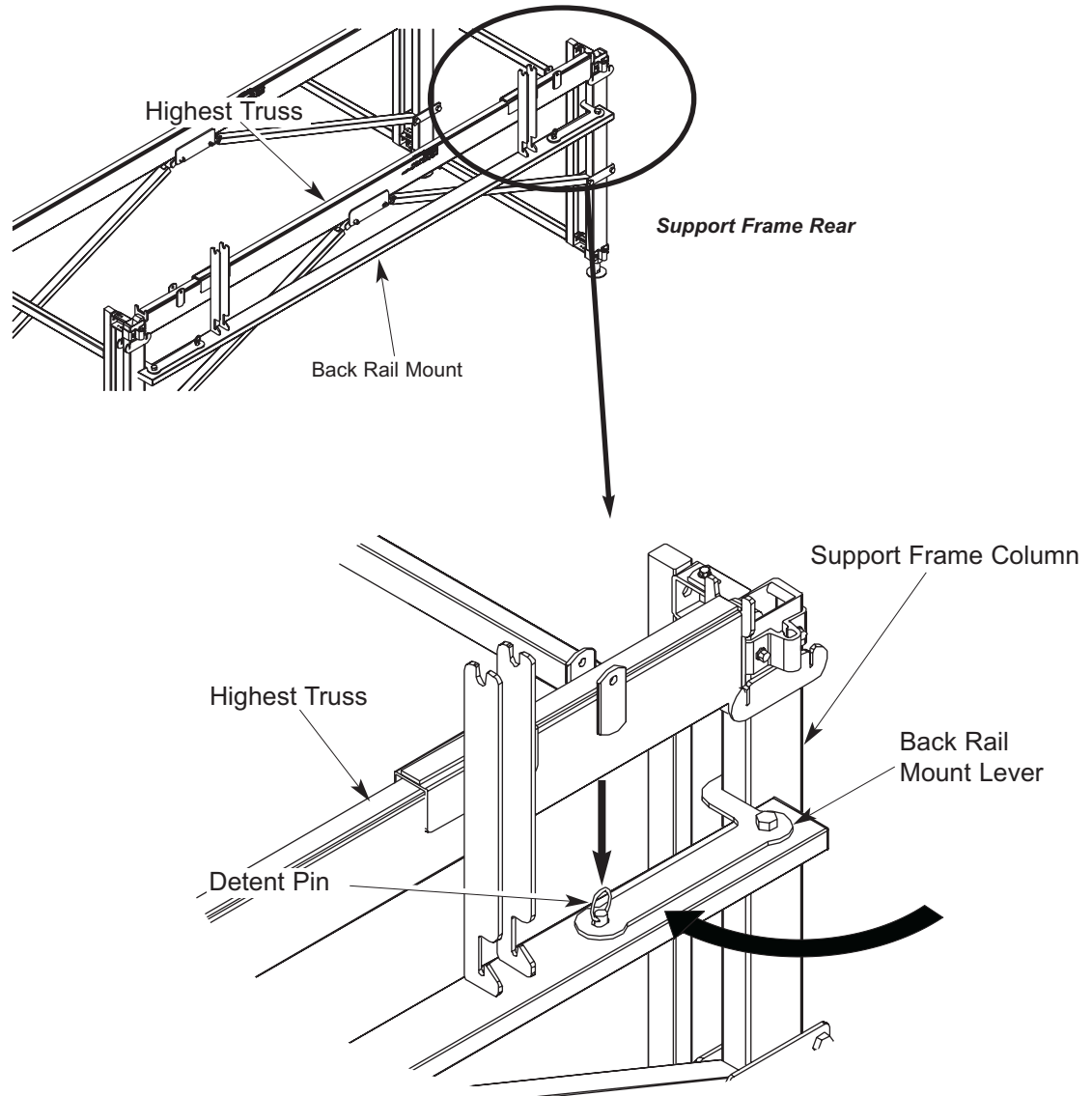
NOTE: If the highest Truss is too high to reach, use a ladder. *Do not stand on the Support Frame.*



UPPER DECK INSTALLATION CONTINUED

INSTALL BACK RAILS CONTINUED

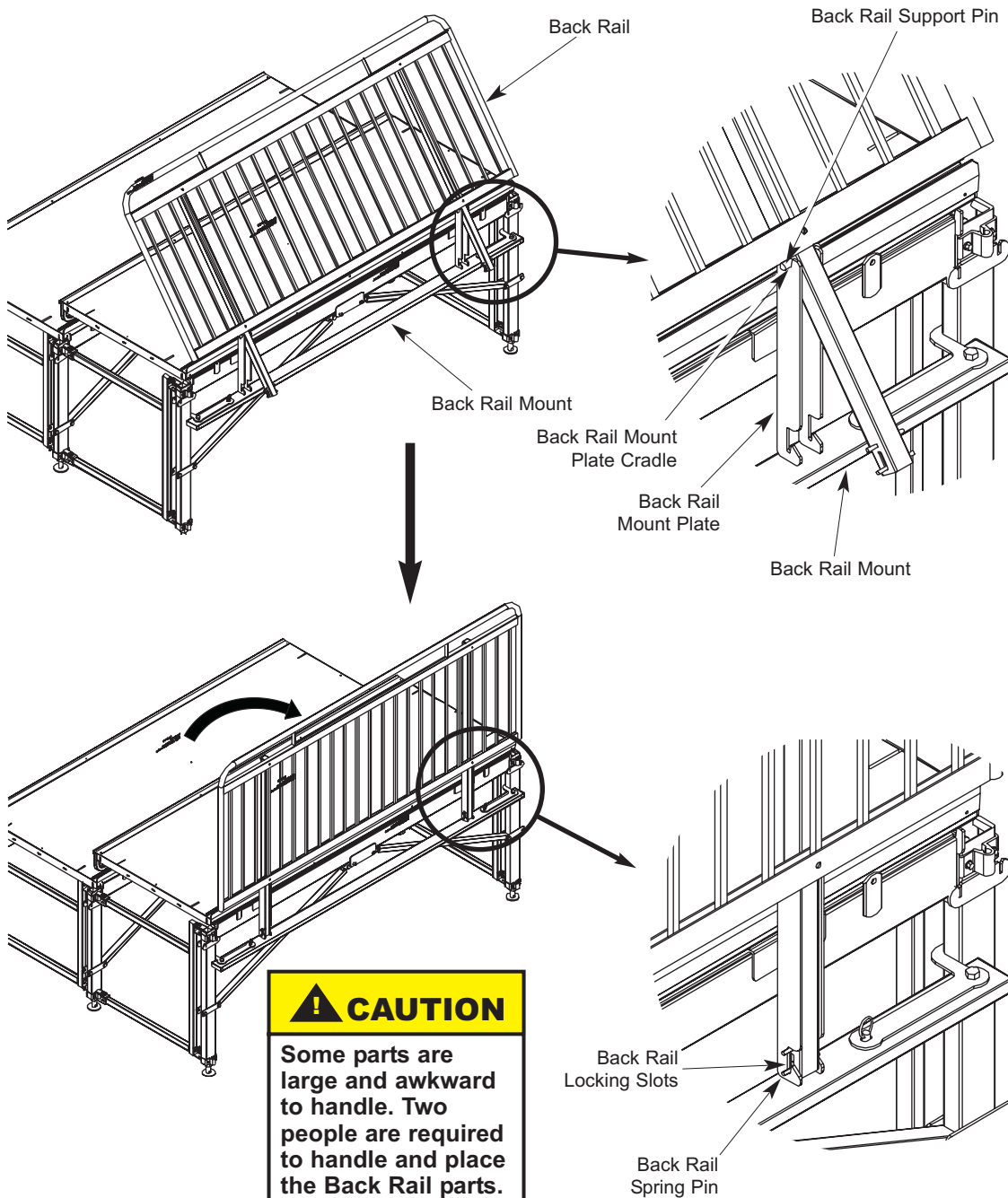
3. Place the Back Rail Mount onto the Truss.
 - a. Center the Back Rail Mount and close the Back Rail Mount Levers.
 - b. Insert the two Detent Pins making sure that the Detent Pin Spring Detent passes through the bottom of the Back Rail Mount.



UPPER DECK INSTALLATION CONTINUED

INSTALL BACK RAILS CONTINUED

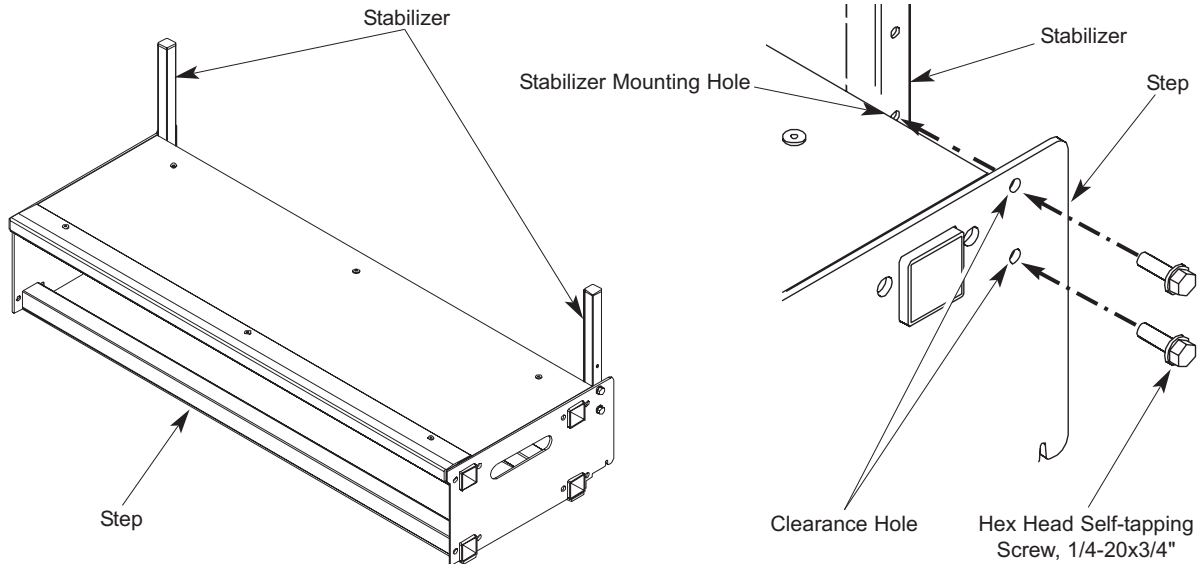
4. With two people working together:
 - a. Make sure that all Decks are installed before attaching the Back Rails.
 - b. Place the two Back Rail Support Pins (holding the Back Rail at an angle as shown below) into the cradle on top of the Back Rail Mount Plate.
 - c. With the Back Rail resting on the Back Rail Mount Plates, rotate the Back Rail into a vertical position. Make sure that the lowest Back Rail Spring Pins engage the Back Rail Locking Slots as shown below.



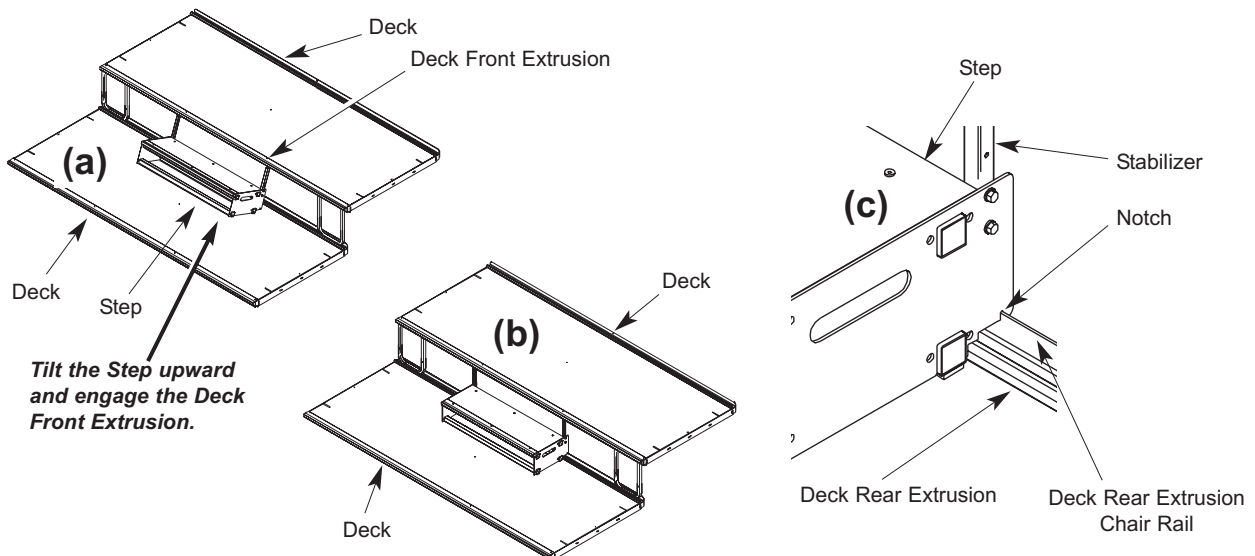
UPPER DECK INSTALLATION CONTINUED

ASSEMBLE STEPS

1. Attach the Stabilizers to the Steps. This must be done when the system is initially set up. Typically, Stabilizers are not removed from the Steps after attachment.
 - a. Align two of the Mounting Holes on a Stabilizer to two Clearance Holes on the Step as shown below. **Only two of the three Stabilizer Mounting Holes will align to the Step Clearance Holes.**
 - b. Using a 3/8-inch socket and ratchet, attach the Stabilizer to the Step with two Hex Head Self-tapping Screws, 1/4-20x3/4-inch. **Do not over tighten!**

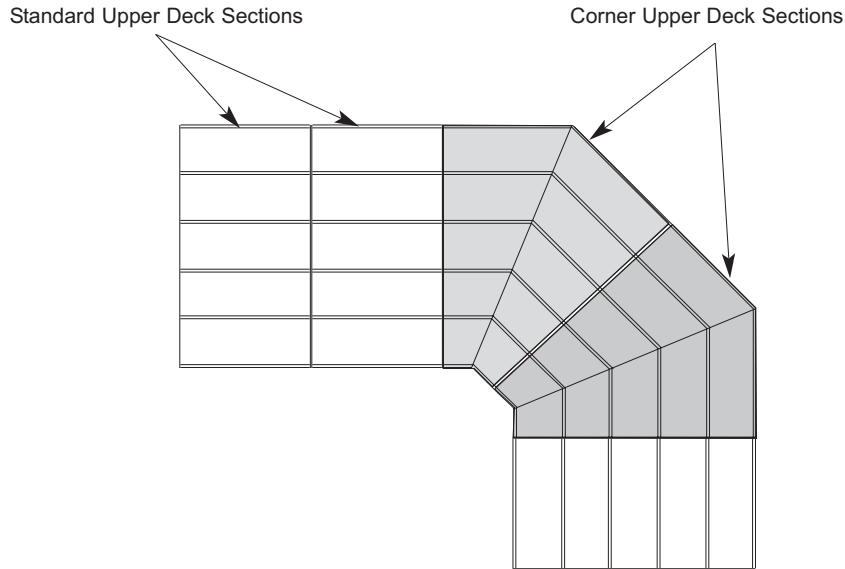


2. Place the Step into position on a Deck as follows.
 - a. Tilt the front edge of the Step upward (about 15-degrees) and insert the Stabilizers into the channel of the Deck Front Extrusion.
 - b. Lower the Step to a level position with the Stabilizers engaging the Deck Front Extrusion.
 - c. Make sure that the Notch in the Step engages the Chair Rail of the Deck Rear Extrusion.

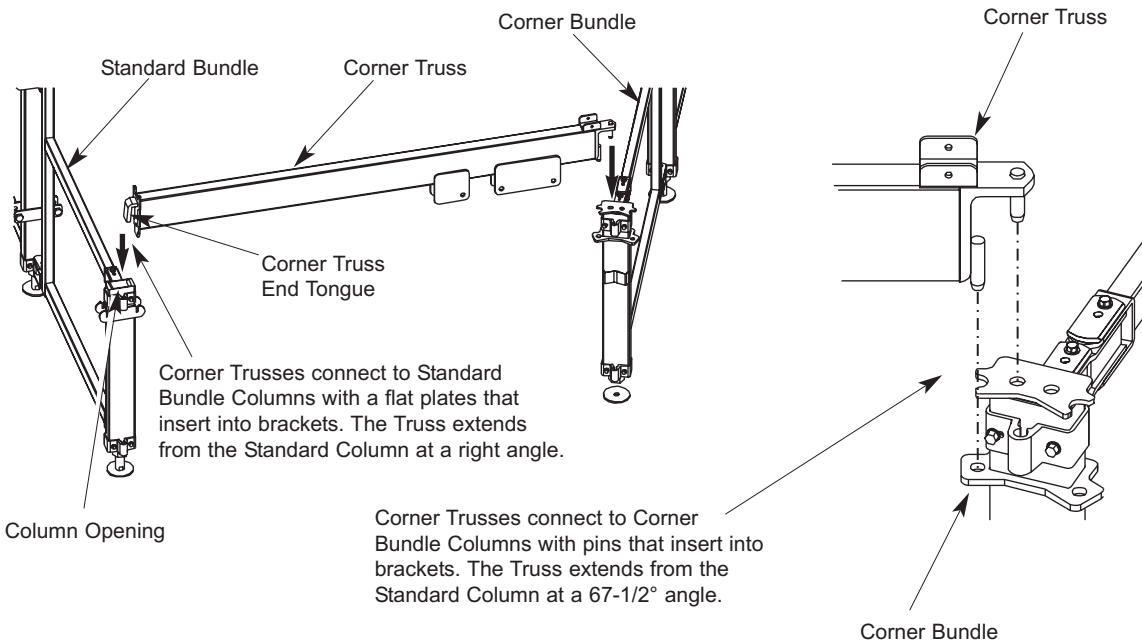


CORNER SECTION ASSEMBLY

Upper Deck Corner Sections are custom designed support frames, trusses and decks that extend the audience seating at an angle from standard Upper Deck Seating sections. One corner section forms a 45° angle and two corner sections form a 90° angle.



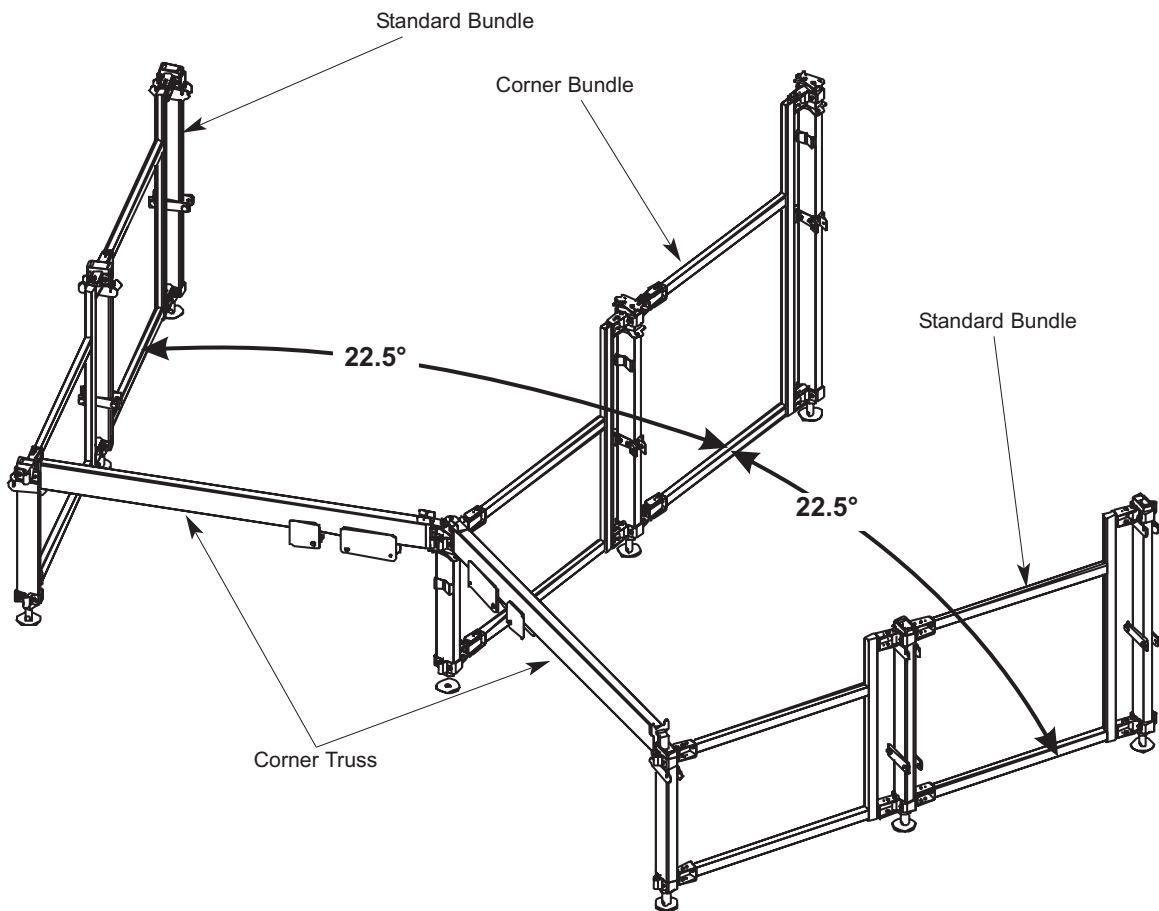
Corner Section assembly is similar to standard Upper Deck Seating sections except that the Bundles align at angles. To accommodate the angle, which is 22.5-degrees, the Corner Trusses and Column Assemblies attach together with pins rather than flat plates. See the illustration below.



CORNER SECTION ASSEMBLY CONTINUED

The illustration below shows how corner support frames connect together.

- A Corner Section Support Frame always has a Corner Bundle in the middle that connects to Standard Bundles on the right and left side with Corner Trusses.
- The Corner Bundle is always placed at a 22.5-degree angle to the Standard Bundle forming a pie shape. Consequently, each Corner Truss and each Corner Deck has a different length.



CORNER SECTION ASSEMBLY CONTINUED

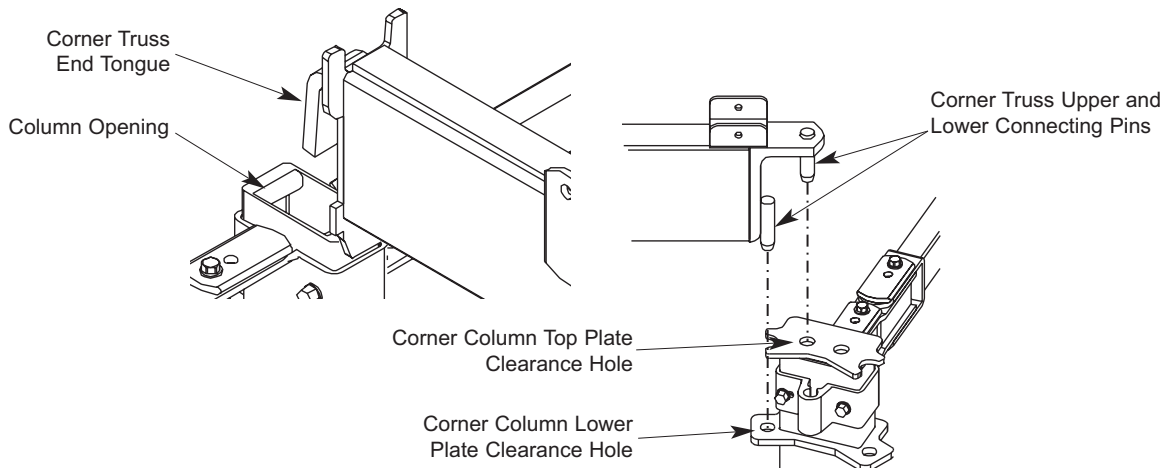
CORNER SECTION ASSEMBLY PROCEDURE

Follow the steps below when assembling a Corner Section.

1. Complete the assembly of the Standard Support Frame as described in Upper Deck Installation on page 5.
2. Partially unfold a Corner Bundle making sure that the taller End Frames and Corner Columns are kept at right angles to the Bundle to prevent the Bundle from tipping over.

Warning: *If the Corner Bundle is totally unfolded it can tip over causing serious injury.*

3. With two people working together, assemble the lowest Corner Truss as follows.
 - a. Insert the Corner Truss End Tongue into the Column Opening.
 - b. Move the Corner Bundle Column to the approximate location to connect to the Corner Truss.
 - c. Insert the Corner Truss Upper and Lower Connecting Pins into the Corner Column Top Plate and Lower Plate Clearance Holes.
 - d. Adjust the position and angle of the Corner Bundle Column to help insert the pins.



! WARNING
Always wear gloves and safety shoes when setting up the Upper Deck Seating.

! WARNING
Do not unfold the entire bundle as once. It may tip over unexpectedly.

! WARNING
Upper Deck Seating Components can cause serious injury if dropped.

! CAUTION
Two people are required for some setup steps.

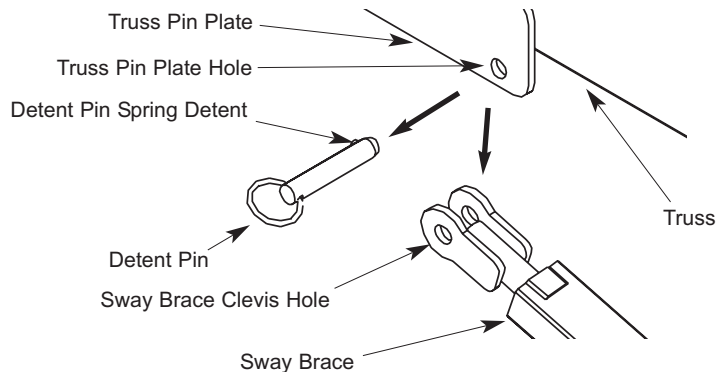
4. Assemble the second Corner Truss to connect the Bundles.
5. Unfold the taller End Frames and Corner Columns so that the Corner Bundle is straight and untie the Sway Braces and lower them to the floor.
6. Assemble other Corner Trusses going from the lowest to the highest.

Warning: *Do not walk on Trusses before installing Decks. Serious injury can result if this precaution is ignored.*

CORNER SECTION ASSEMBLY CONTINUED

CORNER SECTION ASSEMBLY PROCEDURE CONTINUED

7. Connect the Sway Braces to the Trusses as follows.
 - a. Before starting, make use that the ends of the Trusses fully engage the Column Brackets.
 - b. Lift each Sway Brace from the floor and remove the Detent Pin from the Clevis.
 - c. Align the Sway Brace Clevis Holes to the Truss Pin Plate Holes by turning the Clevis clockwise or counterclockwise until the Holes are aligned.
 - d. Insert the Detent Pin into the Truss Pin Plate Holes and through the Holes in the Sway Brace Clevis. Make sure that spring loaded Detent in the Detent Pin passes completely through both Truss Pin Plates.

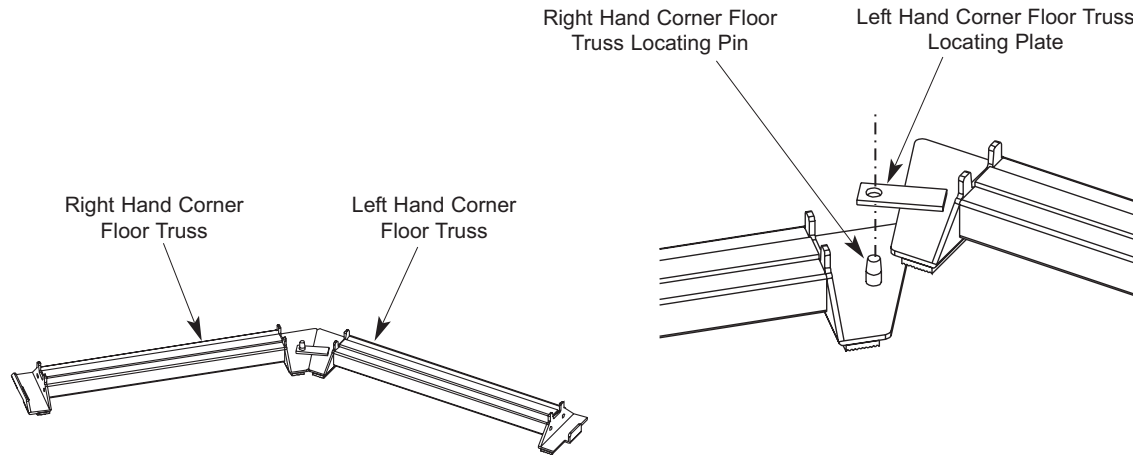


8. Level the Corner Section by:
 - a. Using an open end wrench, make sure that each Leveler makes firm contact with the floor and that each Leveler is near the middle of the adjustment range (about two-inches from the floor to the bottom surface of the Leveler Bracket). When looking down at the Leveler, turning it clockwise will extend the Leveler toward the floor.
 - b. If the floor is uneven, use of a carpenter's level may be necessary.
9. Erect the remaining Support Frame sections.

CORNER SECTION ASSEMBLY CONTINUED

CORNER SECTION ASSEMBLY PROCEDURE CONTINUED

10. Assemble Decks to the Corner Section as follows.
 - a. Position a Right Hand Corner Floor Truss in front of the lowest Truss of the left Support Frame Section.
 - b. Position a Left Hand Corner Floor Truss in front of the lowest Truss of the right Support Frame, engaging the Right Hand Corner Truss Locating Pin with the Left Hand Corner Floor Truss Locating Plate.



11. Place the First Level Deck in position with the rear edge of the Deck centered and resting on the Corner Floor Truss and the front Risers resting on the floor.
12. Place the Second Level Deck in position, as follows.
 - a. Place the Second Level Deck Risers into the Deck Back Extrusion.
 - b. With the Deck Tool inserted into the Deck Back Extrusion Clearance Hole, **slowly** lower the Deck until the back edge rests on the Lower Level Truss.
13. Assemble the rest of the Decks in the same manner as step 12, placing the lowest Deck first and building to the highest Deck.

NOTE: Always make sure that the Deck Risers engage the Deck Back Extrusion on the Deck below.

NOTE: If a Back Rail is to be used, install the Back Rail Mount before placing the highest Deck. **Refer to page 19 for Back Rail Mount installation instructions.**

14. Install End Rails as follows.
 - a. Align the End Rail Hooks to the Deck Mounting Slots as shown below.
 - b. Attach the End Rail by inserting the two End Rail Hooks into the two Deck Mounting Slots. Push the End Rail downward until the two End Rail Hooks engage the Deck Frame.
 - c. Using a 9/16" open end wrench or 9/16" socket and ratchet, screw the End Rail Hook Lock Screw clockwise until the capscrew is snug.
 - d. Continue attaching End Rails to the higher level Decks.

CORNER SECTION ASSEMBLY CONTINUED

CORNER SECTION ASSEMBLY PROCEDURE CONTINUED

Install the Corner Back Rails as follows. Corner Back Rail Mounts attach similar to Standard Back Rail Mounts — refer to the description on page 19.

1. Attach the Back Rail Mount as follows.
 - a. Remove the two Detent Pins from the Back Rail Mount.
 - b. Turn the two Back Rail Mount Levers about 90-degrees so that the hook on each Lever is pulled back.
2. Align the Back Rail Mount Channels to the highest Truss.

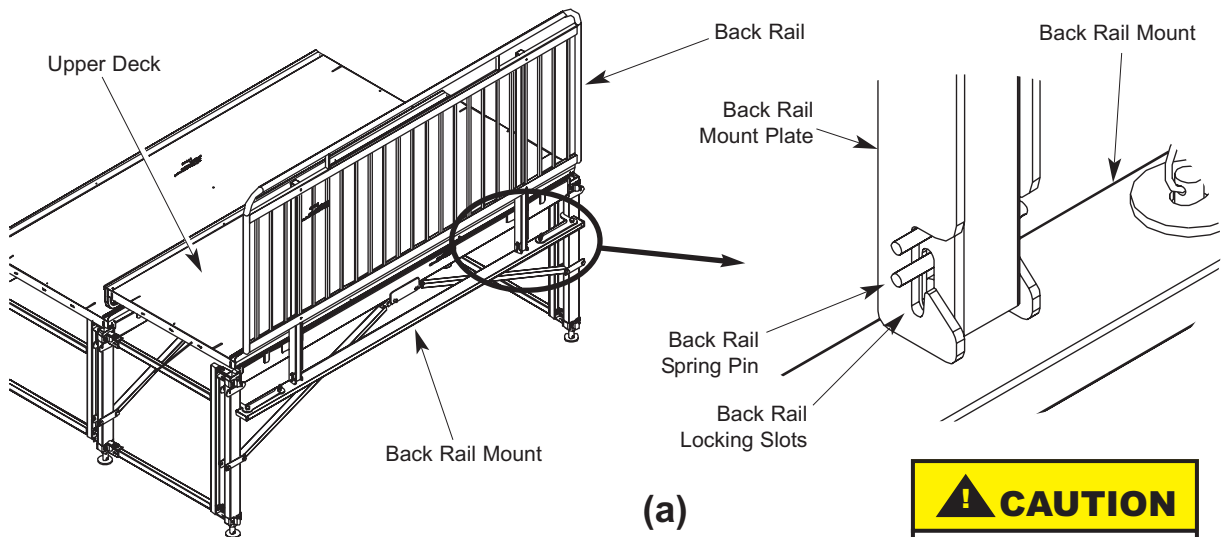
Note: If the highest Truss is too high to reach, use a ladder. ***Do not stand on the Support Frame.***

3. Place the Back Rail Mount onto the Truss.
 - a. Center the Back Rail Mount and close the Back Rail Mount Levers.
 - b. Insert the two Detent Pins making sure that the Detent Pin Spring Detent passes through the bottom of the Back Rail Mount.
4. With two people working together:
 - a. Make sure that all Decks are installed before attaching the Back Rails.
 - b. Place the two Back Rail Support Pins (holding the Back Rail at an angle as shown below) into the cradle on top of the Back Rail Mount Plate.
 - c. With the Back Rail resting on the Back Rail Mount Plates, rotate the Back Rail into a vertical position. Make sure that the lowest Back Rail Spring Pins engage the Back Rail Locking Slots.

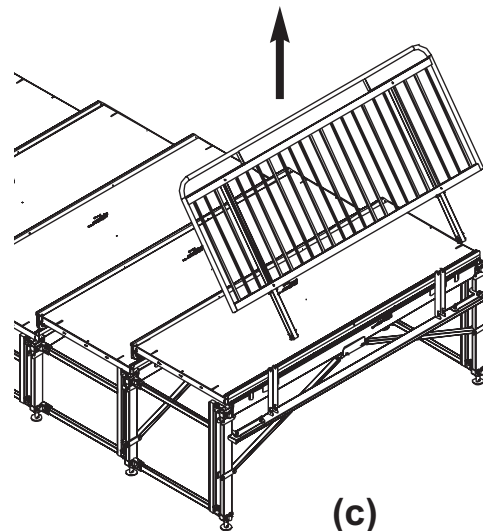
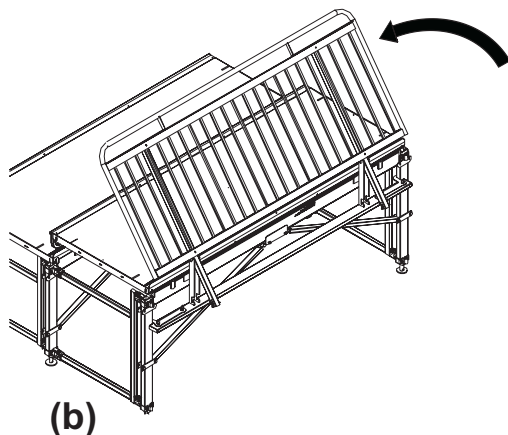
SYSTEM DISASSEMBLY

REMOVE BACK RAIL

1. Lift each Back Rail Spring Pin to the upper part of the Back Rail Locking Slot as shown below (a).
 - a. One person should stand on the Upper Deck and hold the upper railing of the Back Rail.
 - b. A second person should stand behind the Back Rail on the floor and lift the Spring Pins.
2. With the Spring Pins in the upper position, the person on the upper deck should carefully tilt the Back Rail as shown below (b).
3. With two people working together on the upper deck, lift the Back Rail upward and store it on a Rail Cart.



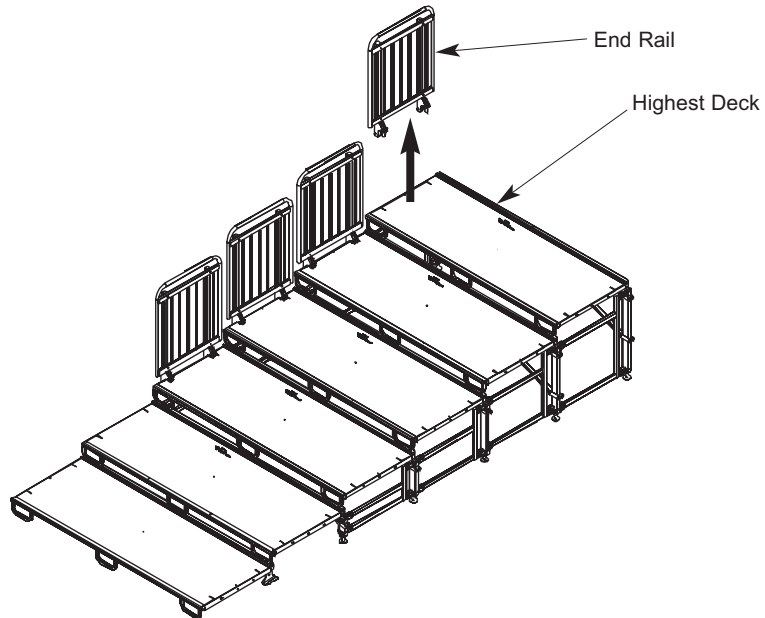
For clarity, only one system section without end rails is shown.



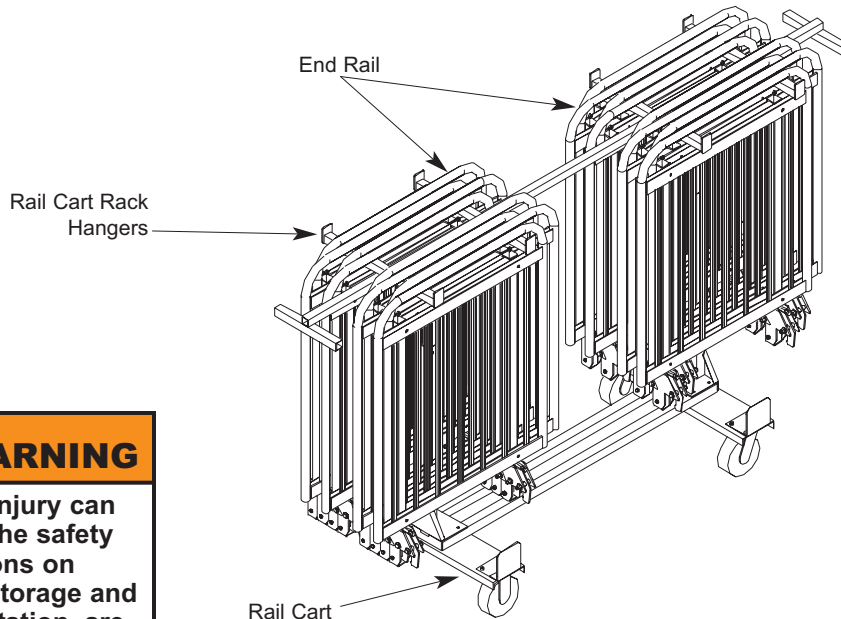
SYSTEM DISASSEMBLY CONTINUED

REMOVE END RAILS

1. Remove the End Rails:
 - a. Using a 9/16" open end wrench or 9/16" socket and ratchet, screw the End Rail Hook Lock. Screw counterclockwise until the capscrew is loose and releases the End Rail Hook.
 - b. Lift each End Rail from the Deck, starting at the Highest Deck first.



2. Store the End Rails on a Rail Storage Cart as shown below. Hang the End Rail from the Rail Cart Rack Hangers. Make sure that the End Frames are distributed evenly on the Rail Cart.



WARNING

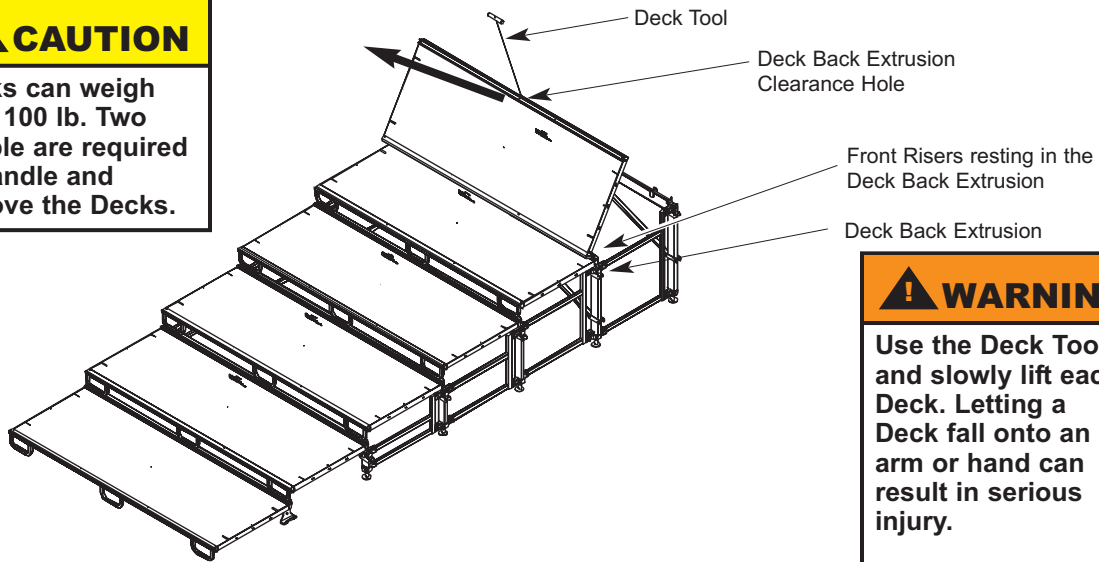
Serious injury can occur if the safety precautions on page 2, Storage and Transportation, are not followed.

SYSTEM DISASSEMBLY CONTINUED

REMOVE DECKS

1. With the Deck Tool inserted into the Deck Back Extrusion Hole and **slowly** lift the back edge of the Deck upward with the Risers resting in the Deck Back Extrusion of the next lower deck.
2. With two people working together, remove the Deck from the support frame.
3. Continue removing the other Decks always removing the highest Deck first.

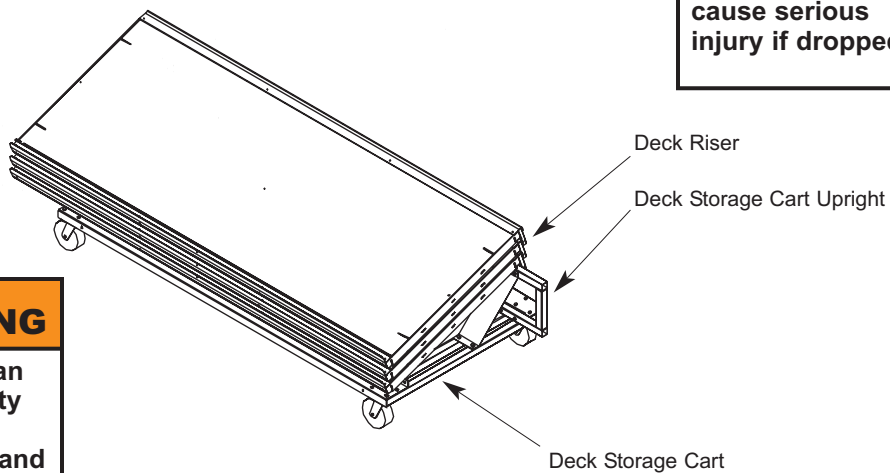
CAUTION
Decks can weigh over 100 lb. Two people are required to handle and remove the Decks.



WARNING
Use the Deck Tool and slowly lift each Deck. Letting a Deck fall onto an arm or hand can result in serious injury.

4. Store the Decks on the Deck Storage Cart by hooking the Risers over the Deck Storage Cart Upright. Continues stacking the Decks as shown below.

WARNING
Upper Deck Seating Components can cause serious injury if dropped.



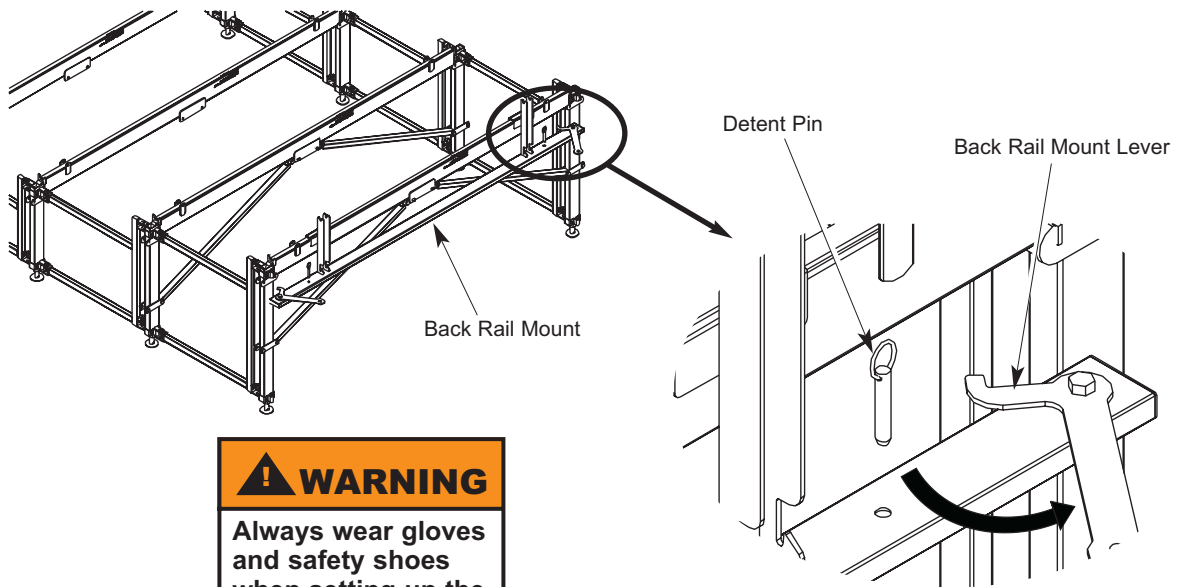
WARNING
Serious injury can occur if the safety precautions on page 2, Storage and Transportation, are not followed.

SYSTEM DISASSEMBLY CONTINUED

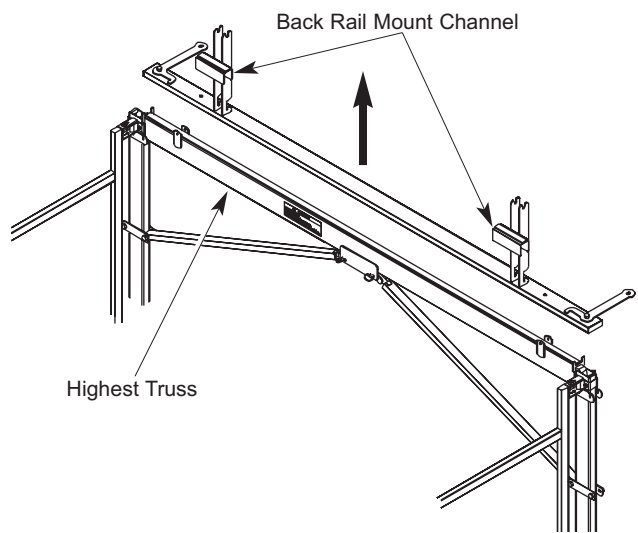
REMOVE BACK RAIL MOUNT

If the support frame is to be folded against a wall and not completely disassembled, leave the Back Rail Mount in place. If the Trusses will be stored on a Storage Cart, remove the Back Rail Mount as follows:

1. Remove two Detent Pins from the Back Rail Mount.
2. Open the two Back Rail Mount Levers as shown below.
3. With two people working together, lift the Back Rail Mount upward until the Back Rail Mount



! WARNING
Always wear gloves and safety shoes when setting up the Upper Deck Seating.

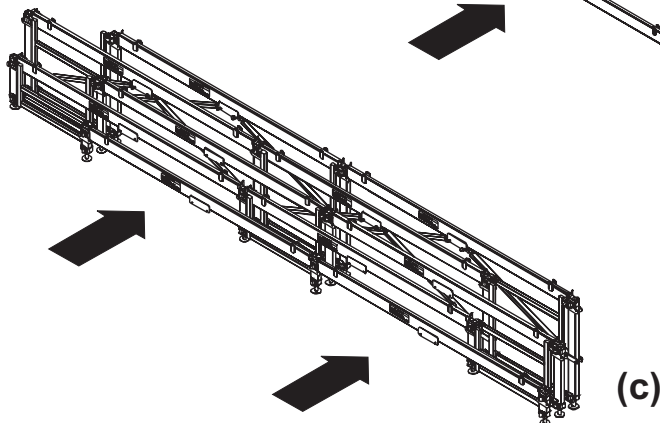
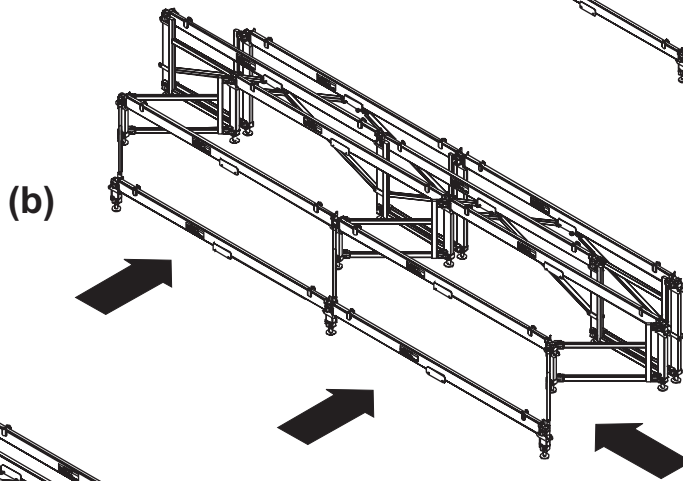
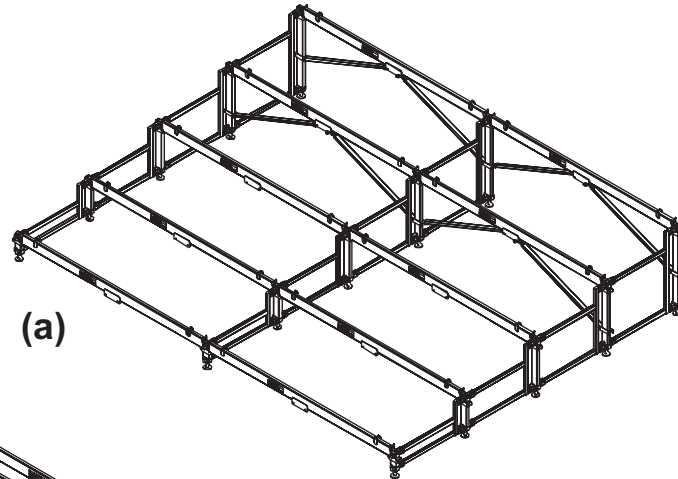


SYSTEM DISASSEMBLY CONTINUED

TO FOLD SUPPORT FRAMES

The Support Frame can be folded and stored against a wall without disassembly.

1. If the Support Frame is equipped with Transport Wheels, retract the Levelers to lower the Transport Wheels to the floor.
2. Fold the Support Frames together as shown below in (a), (b), and (c).

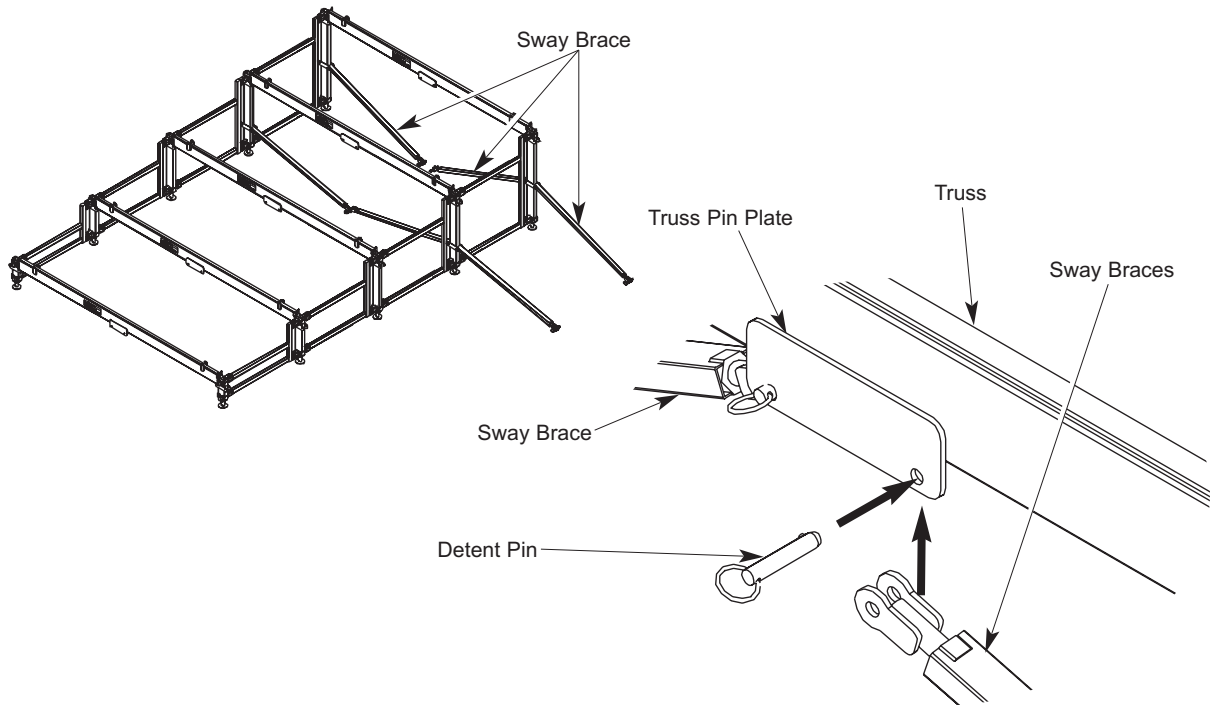


SYSTEM DISASSEMBLY CONTINUED

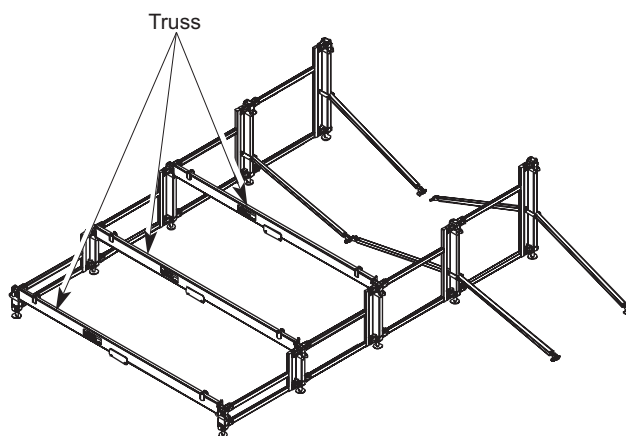
TO DISASSEMBLE SUPPORT FRAMES

To disassemble the Support Frames and store the individual components, do as follows.

1. Remove the Detent Pins from the Sway Braces and lower the Braces to the floor.



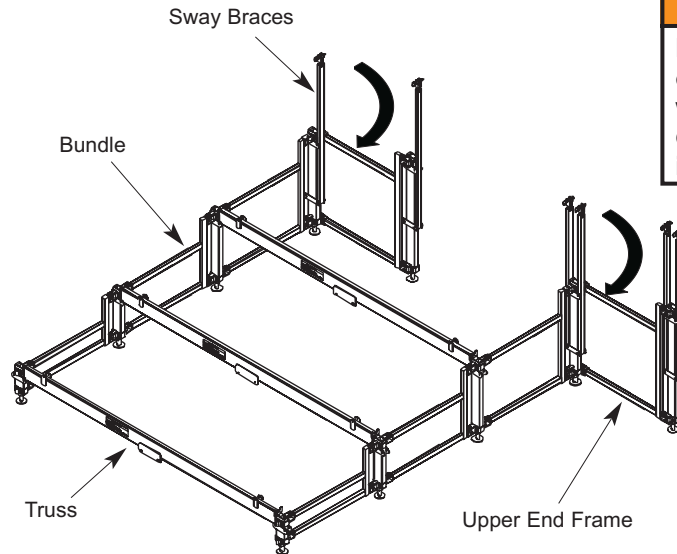
2. Remove the upper Trusses and leave the lower Trusses in place until the Bundles are folded.



SYSTEM DISASSEMBLY CONTINUED

TO DISASSEMBLE SUPPORT FRAMES CONTINUED

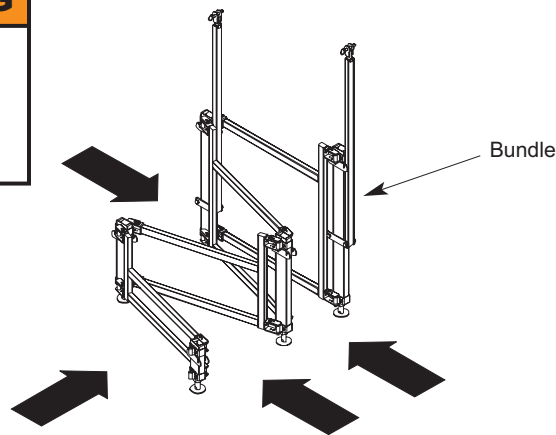
3. Tie the Sway Braces into the upright position.
4. Fold the Upper End Frame and Column Assembly inward to about a right angle with each Bundle (to keep the Bundles from tipping over when the rest of the Trusses are removed).



! WARNING
Bundles can tip over unexpectedly when unfolding causing serious injury or death!

5. Remove the rest of the Trusses.
6. Fold each Bundle together for storage.

! WARNING
Bundles can tip over unexpectedly when unfolding causing serious injury or death!



TRANSPORT AND STORE UPPER DECK COMPONENTS

After disassembly, always clean and store the components on Storage Carts.

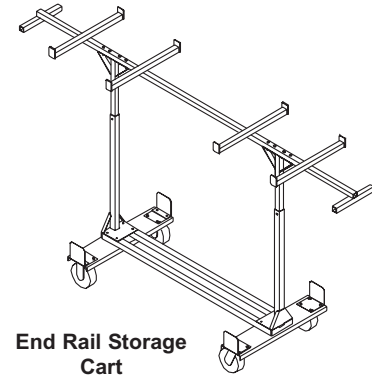
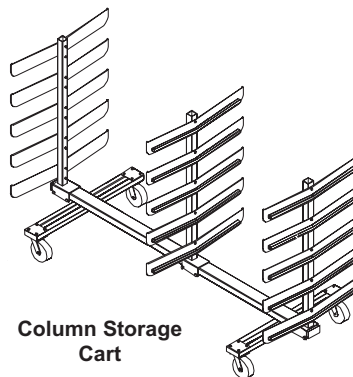
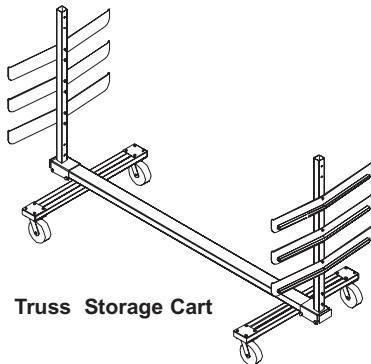
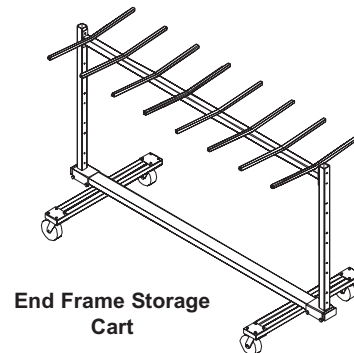
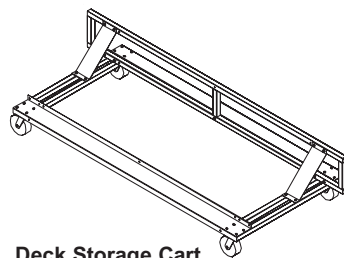
1. Always use the Storage Cart that is designed for the component.
2. Always load components onto the Cart from the bottom to the top.
3. Always distribute the weight of the components evenly on the Storage Cart.
4. Two people should always work together when moving loaded Storage Carts.

! WARNING
Serious injury can occur if the safety precautions on page 2, Storage and Transportation, are not followed.

! WARNING
Upper Deck Seating Components can cause serious injury if dropped.

! WARNING
Always wear gloves and safety shoes when setting up the Upper Deck Seating.

! CAUTION
Two people are required for some setup steps.

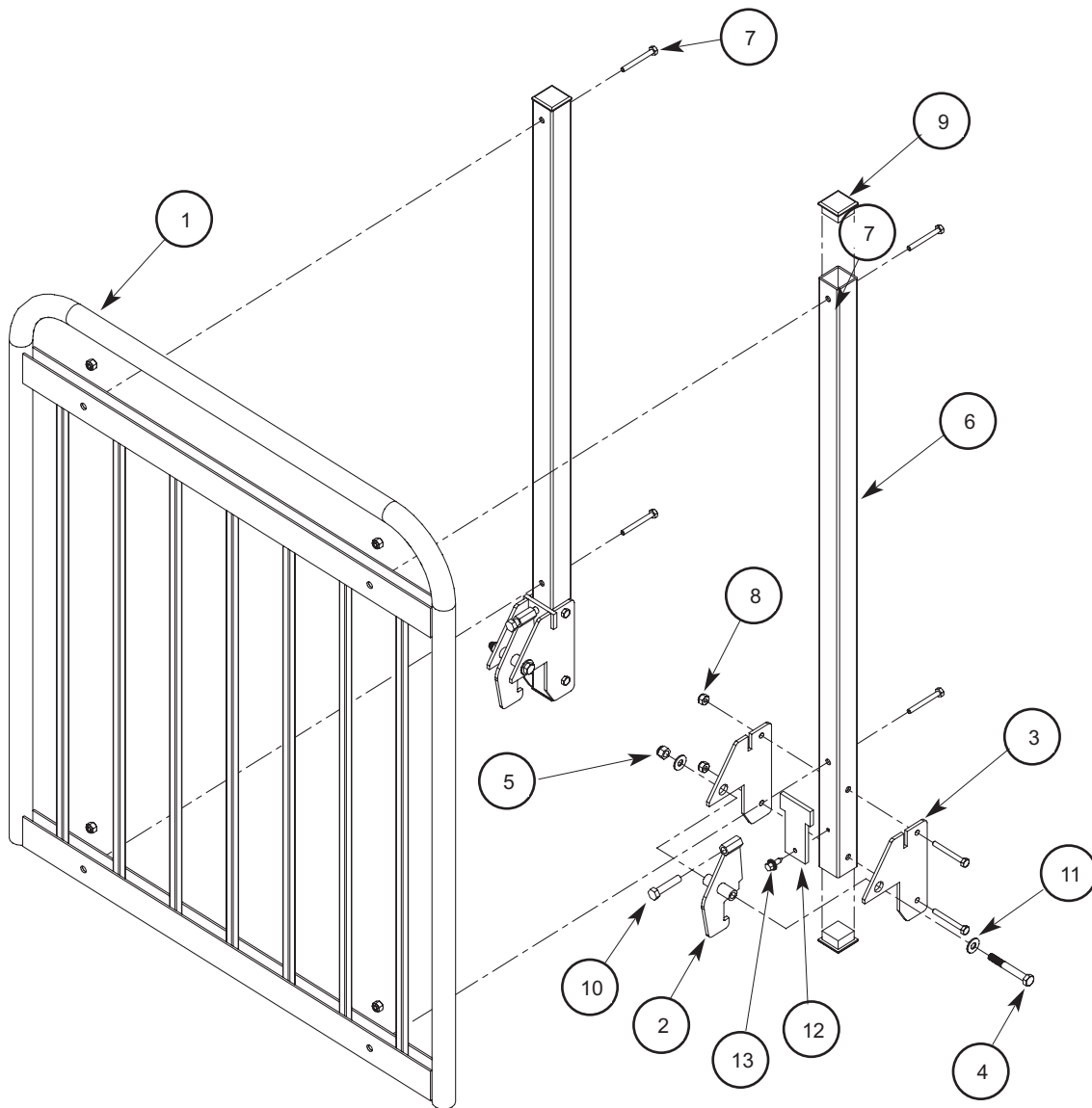


MAINTENANCE

1. Clean Deck surfaces with a mild detergent before disassembly and storage.
2. Make sure that all connections are tight when the support frames are assembled.
3. Replace any damaged parts immediately.
4. Lubricate any Leveler parts that do not move freely with a general purpose grease.
5. Immediately replace any Detent Pins that have a defective spring Detent.

REPLACEMENT PARTS

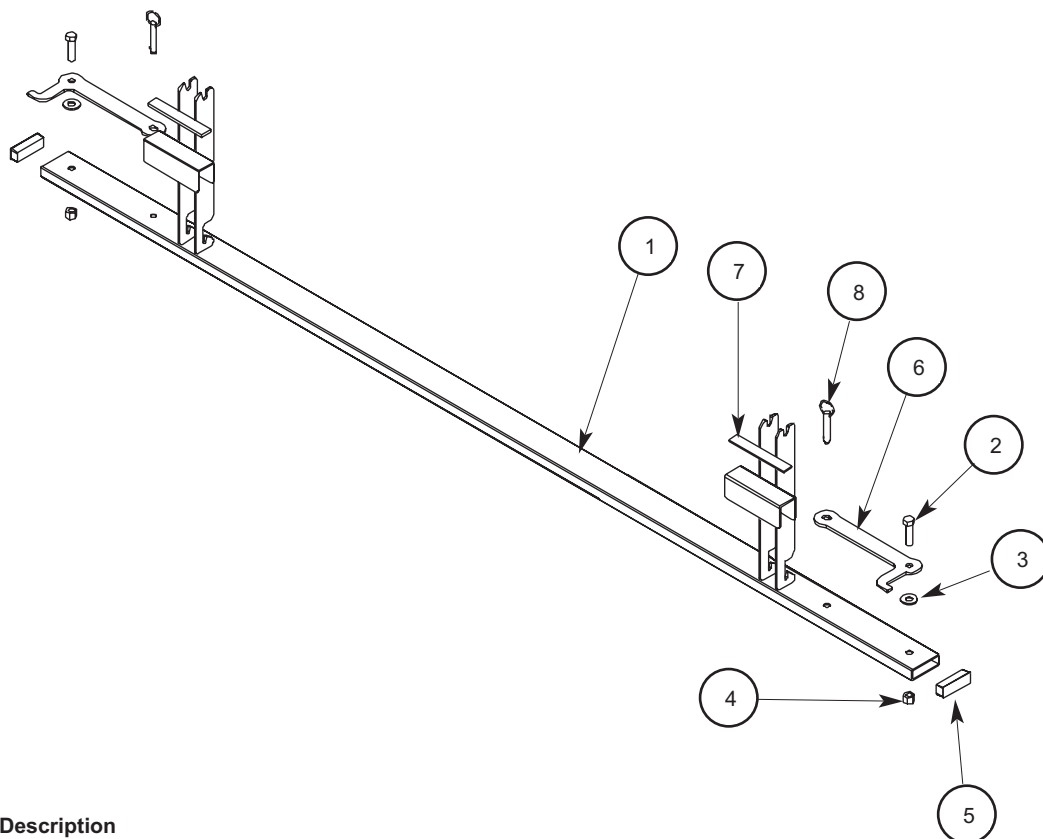
END RAIL



Item	Description
1	End Rail Railing Weldment *
2	Hook Plate Weldment
3	Deck Plate
4	Capscrew, 3/8-16x2-3/4" Zinc Plate, Grade 5
5	Lock Nut, Nyloc, 3/8-18 Zinc Plate, Grade 5
6	End Rail Tube
7	Capscrew, 5/16-18x2-1/4" Zinc Plate, Grade 2
8	Lock Nut, Nyloc, 5/16-18 Zinc Plate, Grade 2
9	Plug, Black, 14 Gauge, 1-1/2" square tube
10	Capscrew, 3/8-16x2" Full Thread
11	Washer 3/8" inside diameter
12	Plate, Bearing
13	Screw, Drill/Tap 1/4x14 x 3/4"

REPLACEMENT PARTS CONTINUED

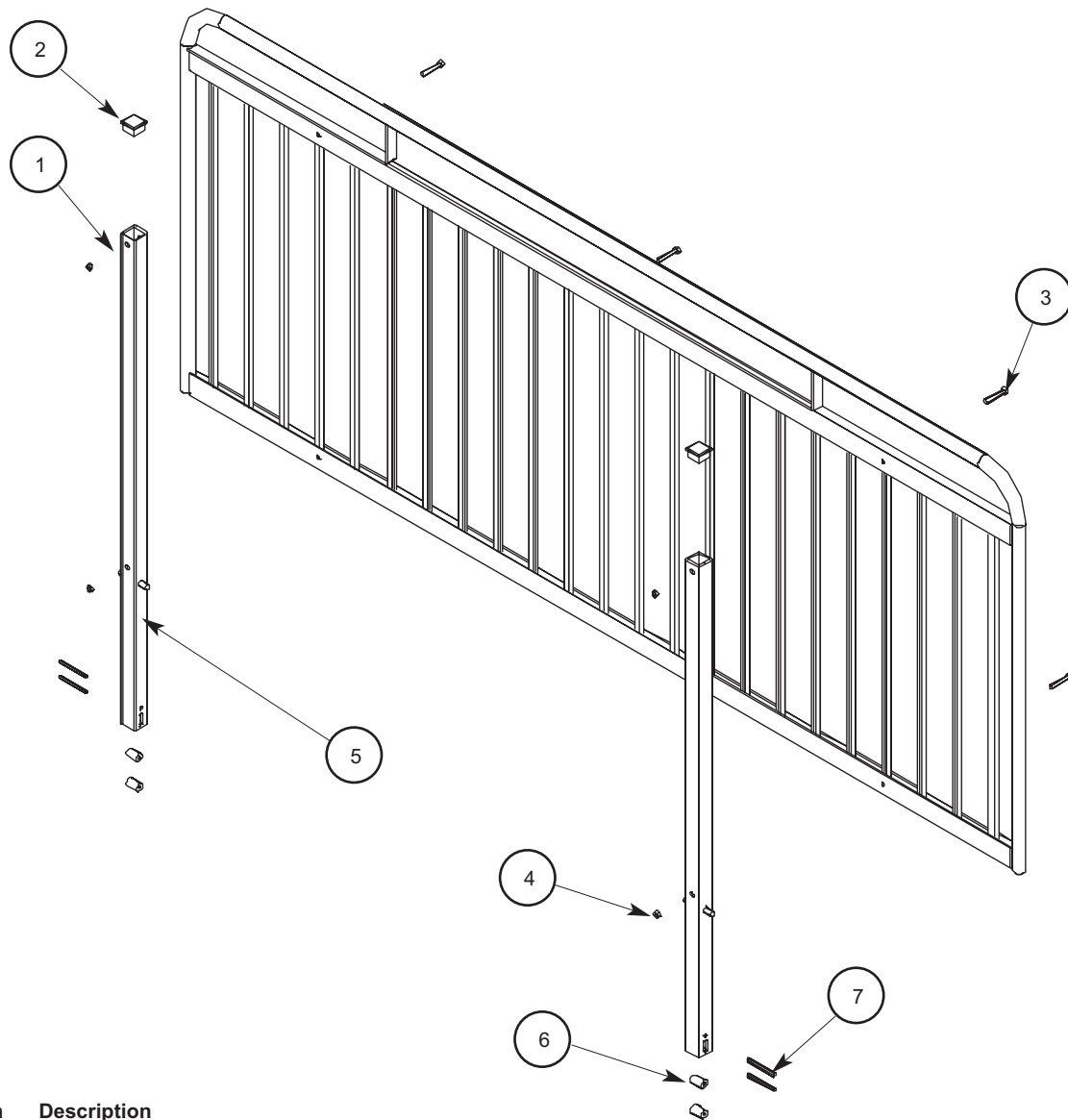
BACK RAIL MOUNT



Item	Description
1	Back Rail Mount Weldment
2	Capscrew, 1/2-13x1-3/4" Zinc Plate Grade 5
3	Flat Washer, 1/2" ID x 1-3/8" OD, Zinc Plate
4	Lock Nut, 1/2-13, Nyloc, Zinc Plate
5	Plug, Closure, HDPE, 1x3, Black
6	Lever, Back Rail Mount
7	Gasket, Neoprene Foam, 3/16" x 1"
8	Detent Pin, 1/2" x 2"

REPLACEMENT PARTS CONTINUED

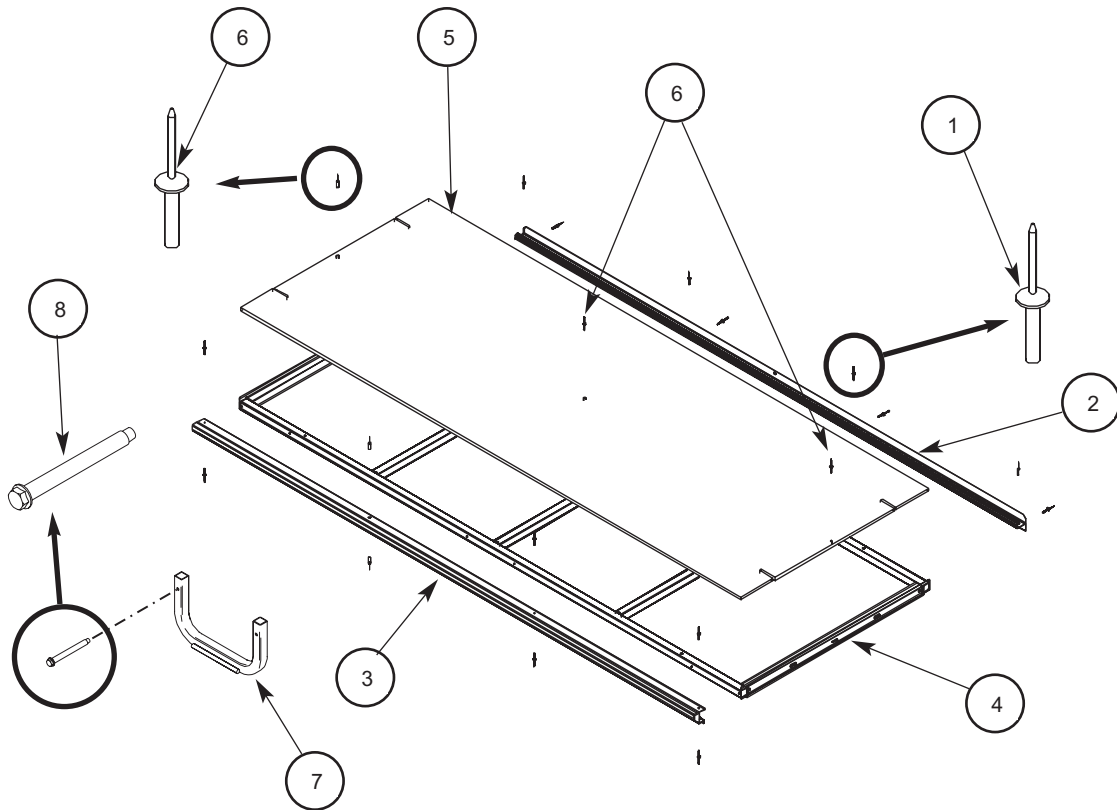
BACK RAIL



Item	Description
1	Back Rail Weldment
2	Plug, Black, 1-1/2" Square 14 gauge
3	Capscrew, 5/16-18x2-3/4" Zinc Plate, Grade 2
4	Lock Nut, 5/16-18, Nyloc, Zinc Plate
5	Back Rail Tube/Pin Weldment
6	End Rail Roller
7	Spring Pin, 1/4" OD x 3" Long

REPLACEMENT PARTS CONTINUED

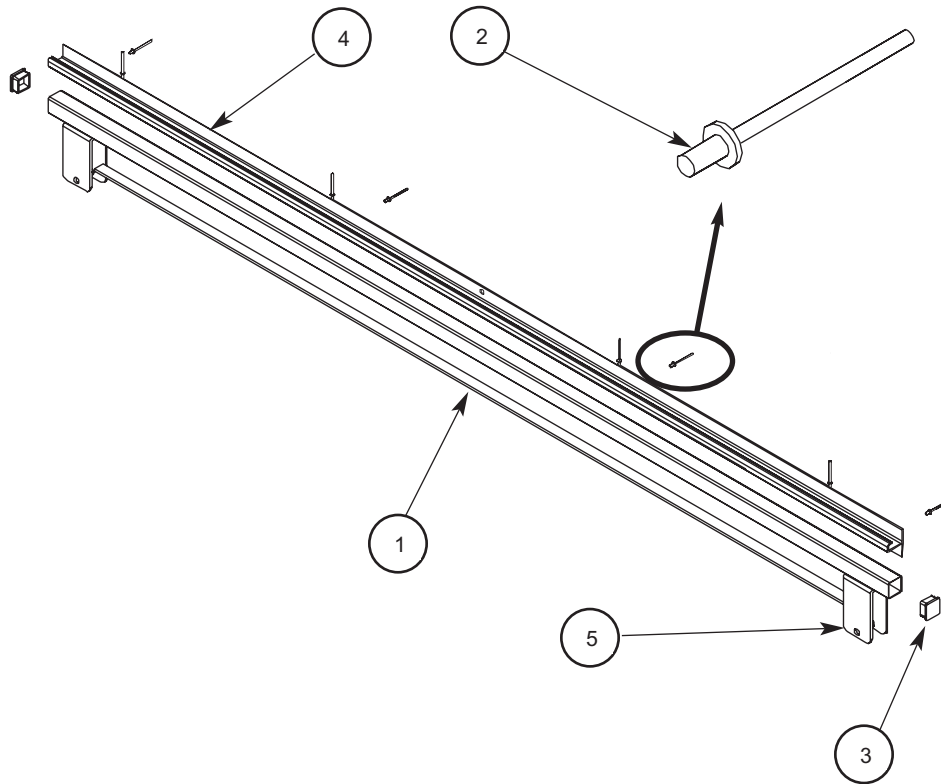
DECK



Item	Description
1	Rivet, Blind, 3/16" Grip .751/.875
2	Deck Back Extrusion
3	Deck Front Extrusion
4	Deck Frame Weldment
5	Deck Board
6	Rivet, Blind, 3/16" Diameter Black, Zinc Plated
7	Riser
8	Hex Head Self-drill Screw, 1/4-14x2"

REPLACEMENT PARTS CONTINUED

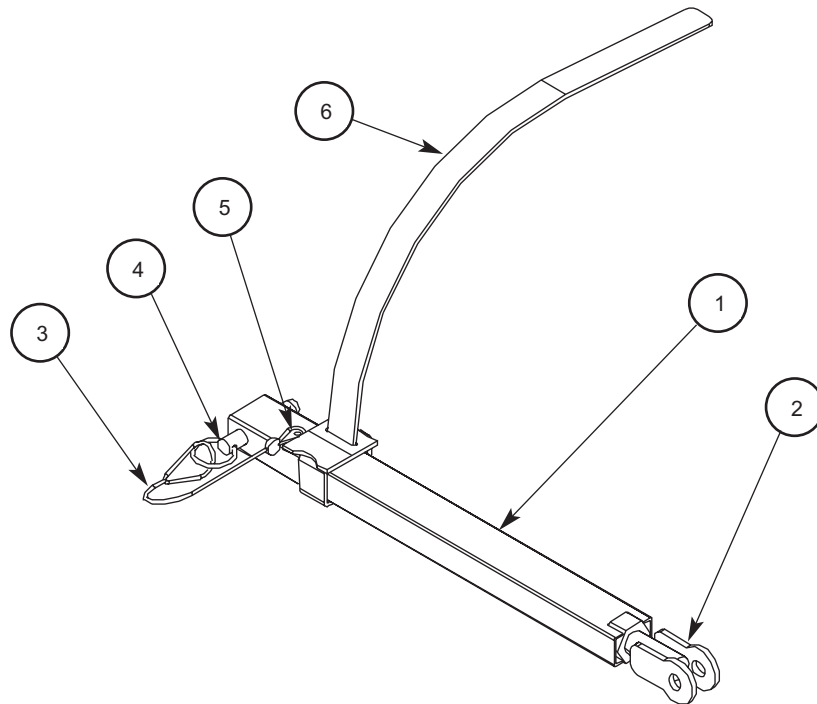
TRUSS



Item	Description
1	Gasket, Neoprene Foam, 3/16" x 1"
2	Rivet, Blind, 3/16" Grip .376/.500
3	Plug, Black, 14 gauge x 1-1/2" Square
4	Truss Spacer Extrusion
5	Truss Space Weldment

REPLACEMENT PARTS CONTINUED

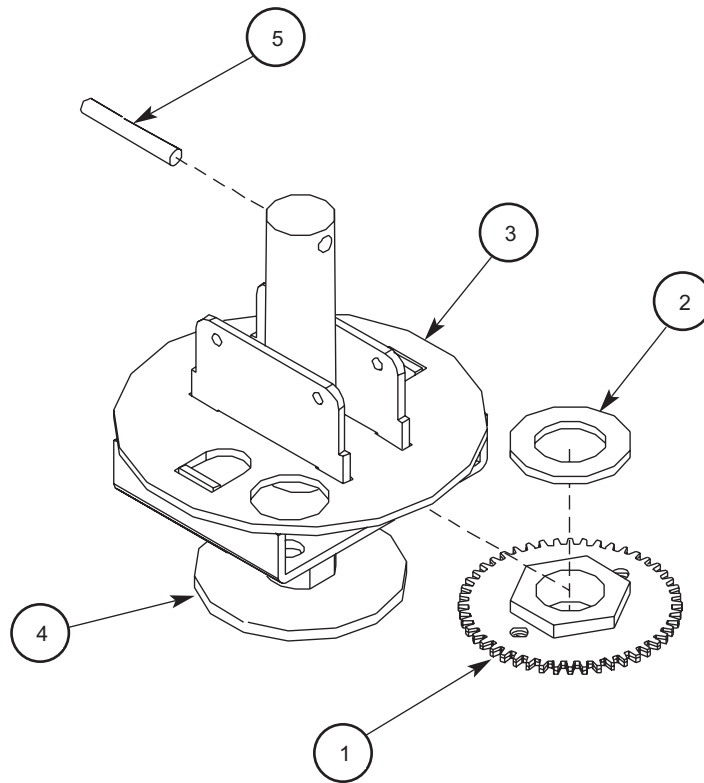
SWAY BRACE



Item	Description
1	Squaring Brace Weldment
2	Clevis Weldment
3	Lanyard Nylon
4	Detent Pin, 1/2" x 2"
5	Screw, self tap, 1/4-14x3/4"

REPLACEMENT PARTS CONTINUED

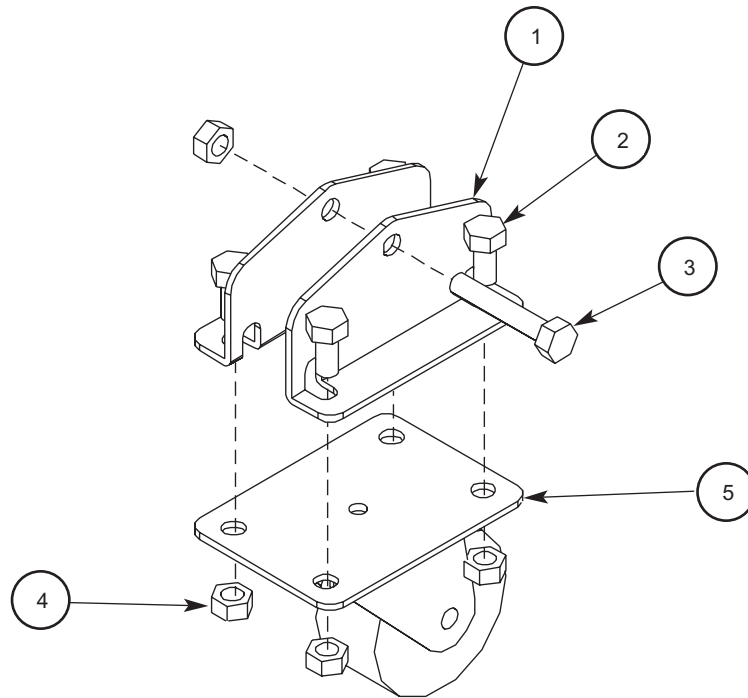
POWER LEVELER



Item	Description
1	Speed Nut Weldment
2	Thrust Bearing, 1.012" x 1.750" x .125"
3	Power Leveler Frame Weldment
4	Leveler Column Weldment
5	Spring Pin, 1/4" OD x 1.750" Long

REPLACEMENT PARTS CONTINUED

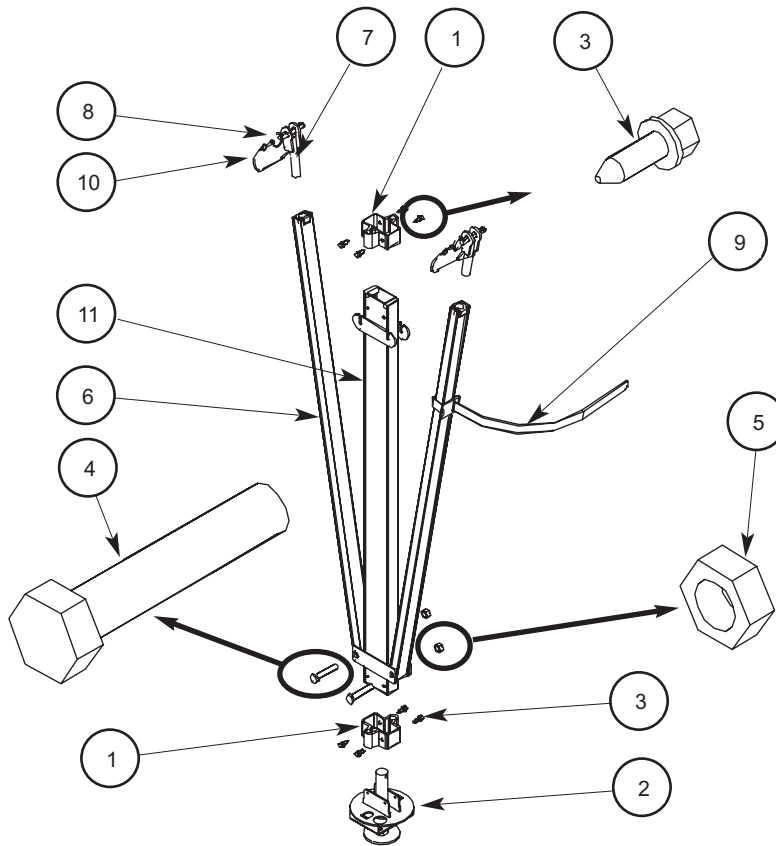
TROLLEY



Item	Description
1	Trolley Bracket
2	Capscrew, 5/16-18x1-5/8" Zinc Plate
3	Capscrew, 5/16-18x5/8" Zinc Plate, Grade 2
4	Lock Nut, 5/16-18, Nyloc
5	Caster, Swivel, 2.5" Diameter, 200 lb. capacity

REPLACEMENT PARTS CONTINUED

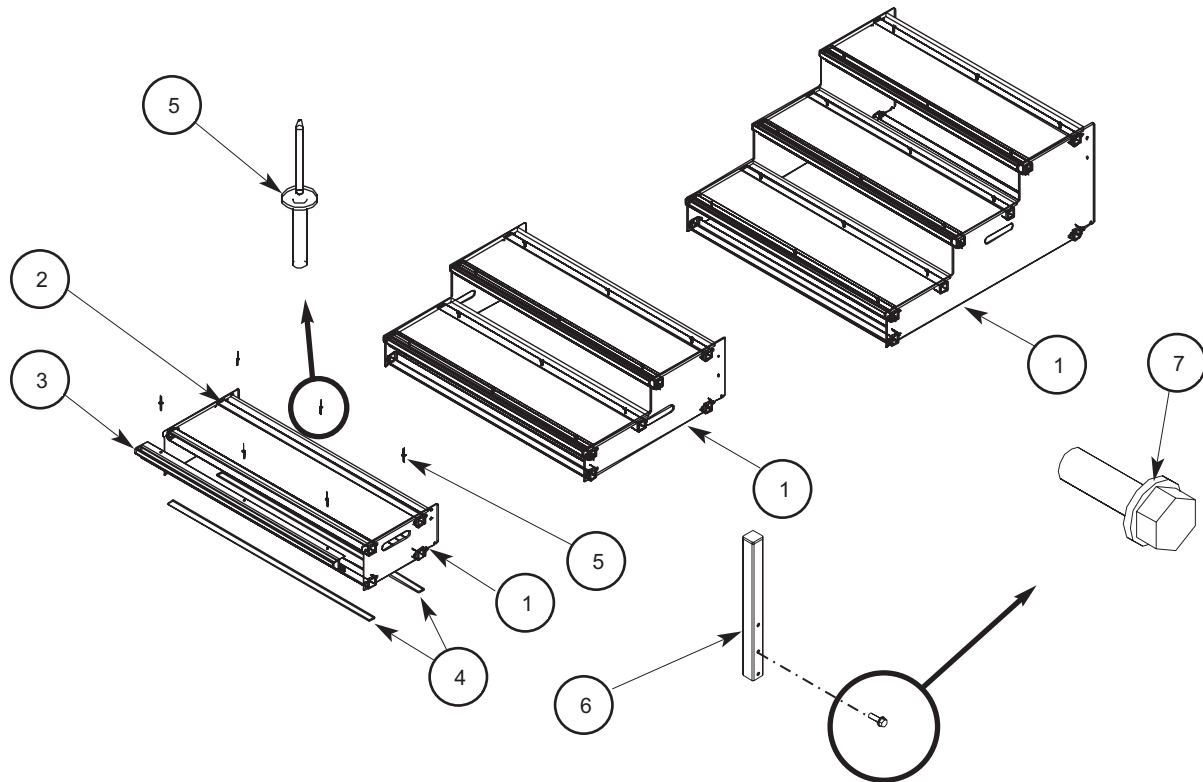
COLUMN ASSEMBLY



Item	Description
1	Pin Bracket
2	Column Power Leveler (see page 44 for details)
3	Screw, self-drill/tap, 1/4-14x3/4"
4	Capscrew, 1/2-13x2-1/2" Zinc Plate, Grade 2
5	Lock Nut, 1/2-13, Nyloc, Zinc Plate
6	Sway Brace Tube Weldment
7	Clevis Weldment
8	Detent Pin, 1/2" x 2"
9	Strap, Velcro, 1-3/4" x 24"
10	Lanyard, Nylon
11	Column Weldment

REPLACEMENT PARTS CONTINUED

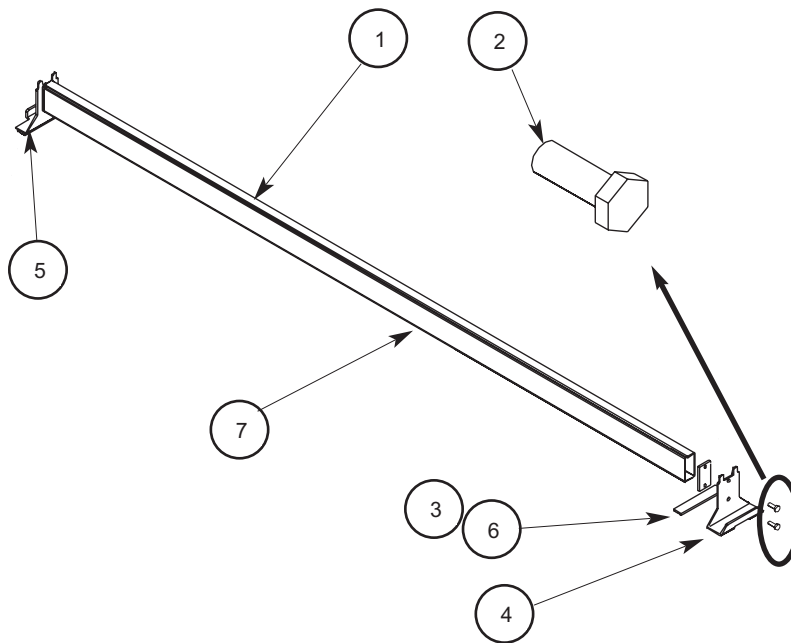
STEP ASSEMBLY



Item	Description
1	Step Weldment
2	Step Board
3	Step Nosing
4	Foam Pad
5	Rivet, Blind, 3/16" Grip .751/.875
6	Stabilizer
7	Hex Head Self-tapping Screw, 1/4-20x3/4"

REPLACEMENT PARTS CONTINUED

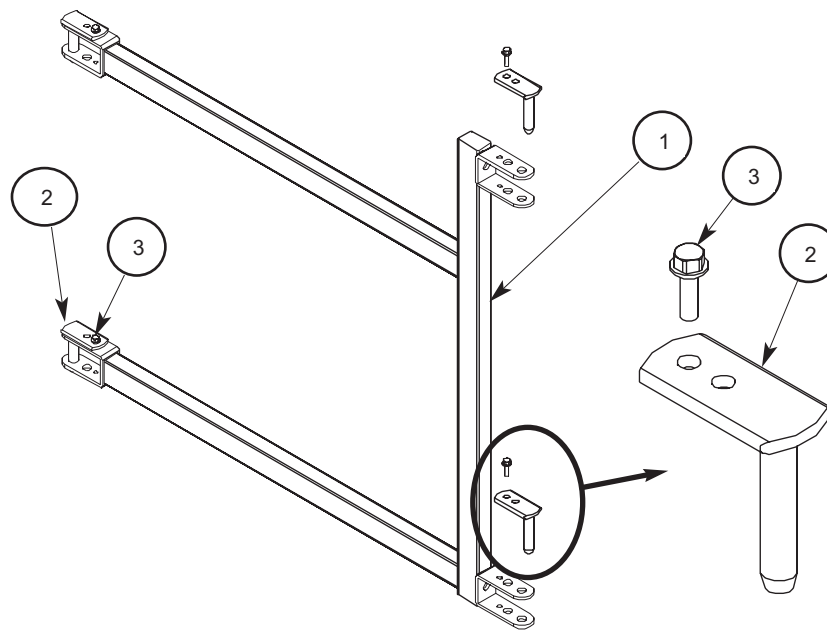
FLOOR TRUSS



Item	Description
1	Gasket, Neoprene Foam, 3/16" x 1"
2	Screw, Self-Taping, 3/8-16x1" Zinc Plate
3	Adhesive, Sicomet 8400, 50 gram
4	Right Hand End
5	Left Hand End
6	Floor Truss Pad
7	Floor Truss Tube Weldment

REPLACEMENT PARTS CONTINUED

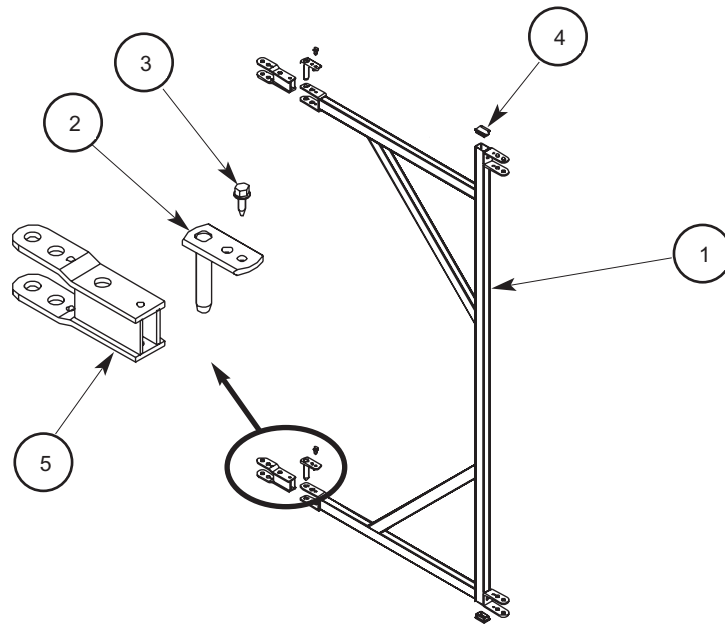
END FRAME ASSEMBLY



Item	Description
1	End Frame
2	Pin Weldment
3	Screw, Self-taping, 1/4-20x3/4"

REPLACEMENT PARTS CONTINUED

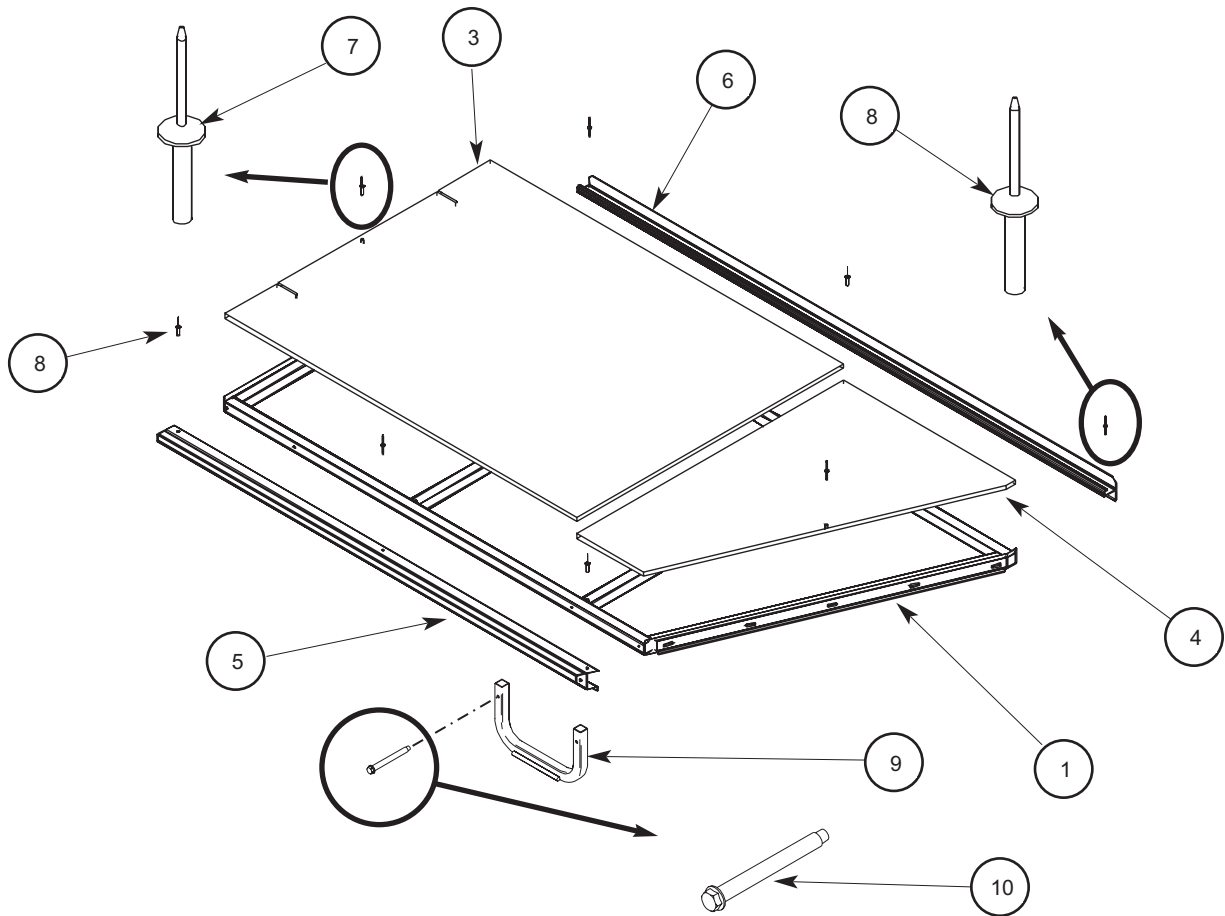
CORNER END FRAME ASSEMBLY



Item	Description
1	End Frame
2	Pin Weldment
3	Screw, Self-taping, 1/4-20x3/4"
4	Plug Plastic, 1" x 1-1/2" x 14 gauge Black
5	End Frame Extension Weldment

REPLACEMENT PARTS CONTINUED

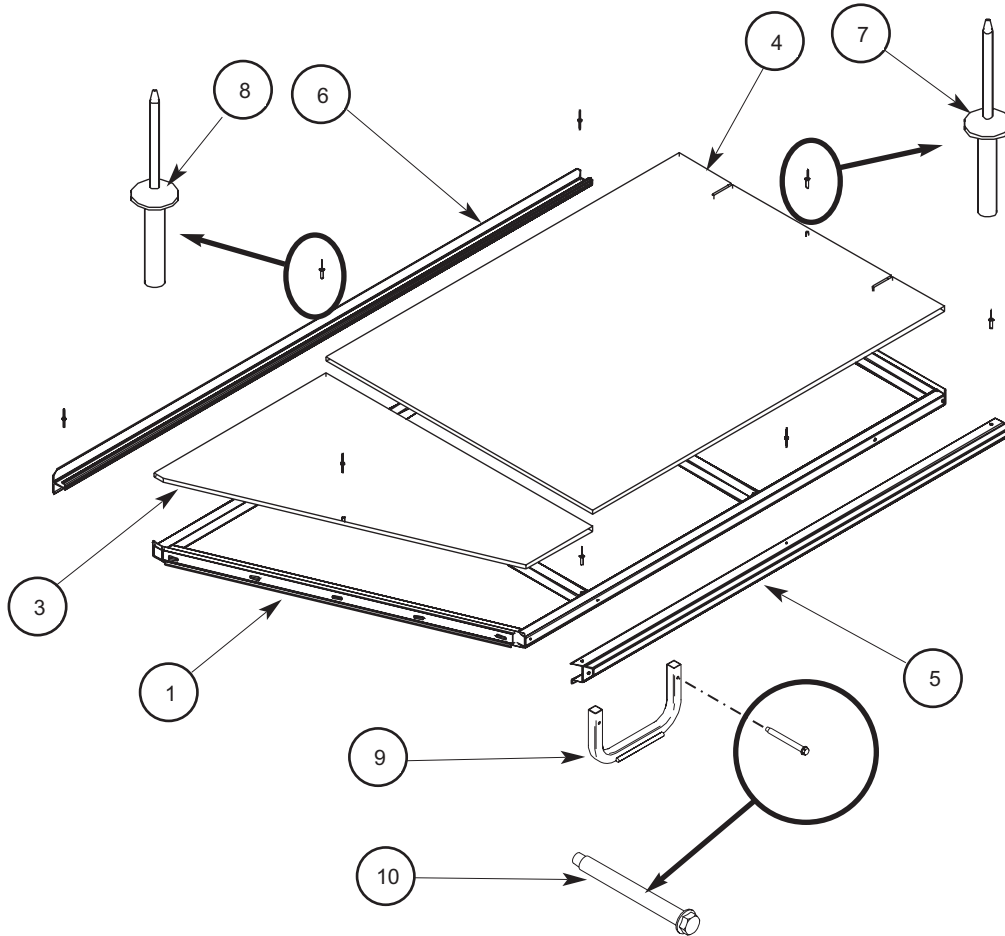
CORNER RIGHT HAND DECK ASSEMBLY



Item	Description
1	Corner Right Hand Deck Weldment
2	Corner Right Hand Deck Board (not shown)
3	Corner Deck Board Splice
4	Corner Right Hand Deck Board Splice
5	Corner Right Hand Deck Front Extrusion
6	Corner Deck Extrusion Back
7	Rivet, Blind, 3/16" Diameter Black Zinc Plate
8	Rivet Blind, 3/16" Grip .751/.875
9	Riser
10	Hex Head Self-drill Screw, 1/4-14x2"

REPLACEMENT PARTS CONTINUED

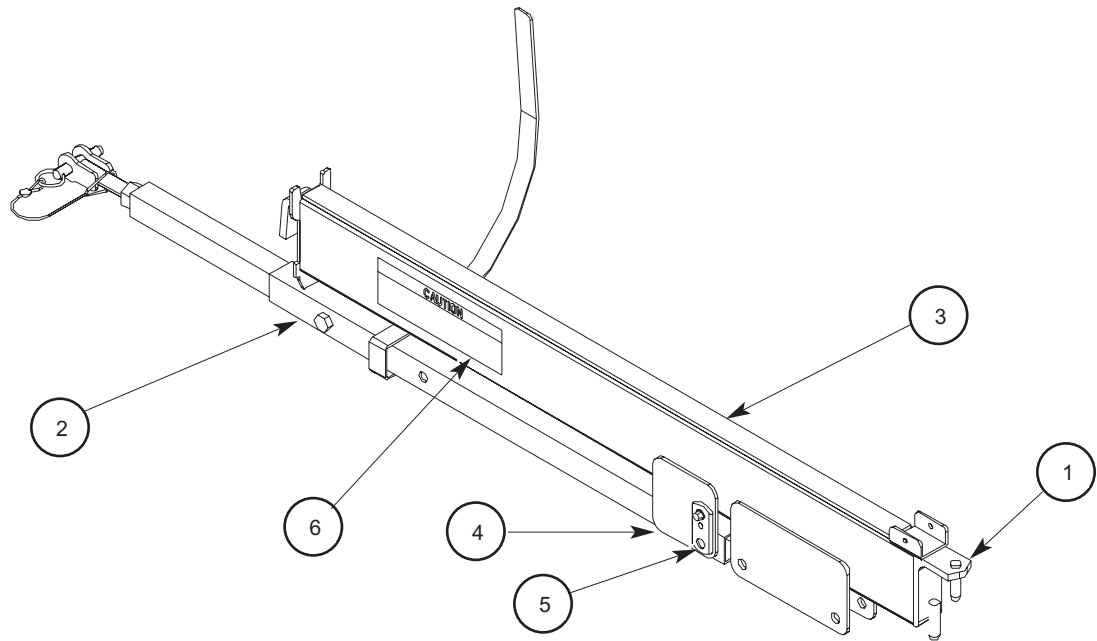
CORNER LEFT HAND DECK ASSEMBLY



Item	Description
1	Corner Right Hand Deck Weldment
2	Corner Right Hand Deck Board (not shown)
3	Corner Deck Board Splice
4	Corner Right Hand Deck Board Splice
5	Corner Right Hand Deck Front Extrusion
6	Corner Deck Extrusion Back
7	Rivet, Blind, 3/16" Diameter Black Zinc Plate
8	Rivet Blind, 3/16" Grip .751/.875
9	Riser
10	Hex Head Self-drill Screw, 1/4-14x2"

REPLACEMENT PARTS CONTINUED

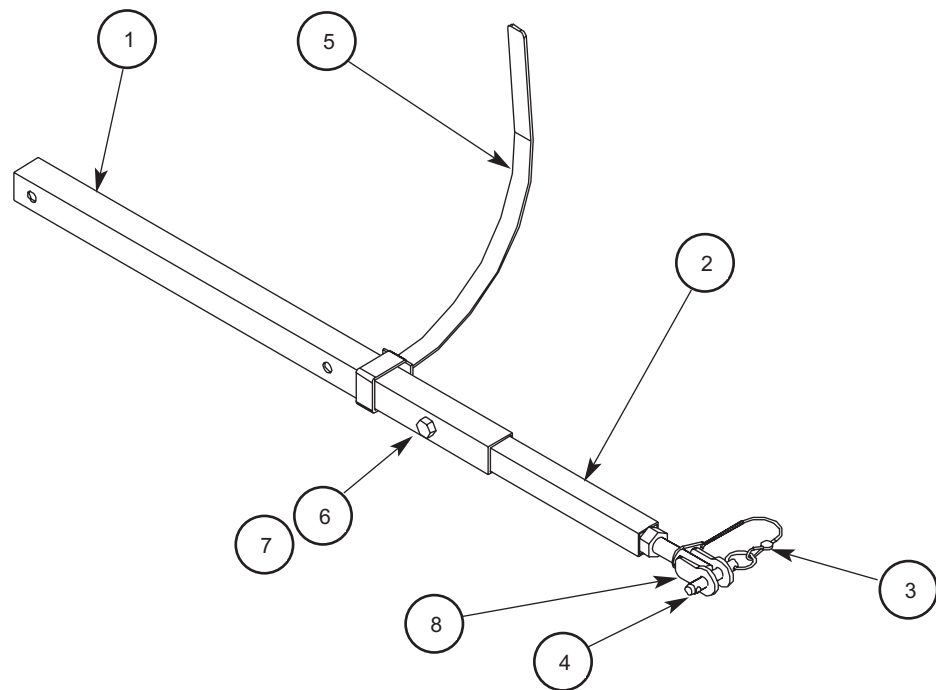
CORNER TRUSS ASSEMBLY



Item	Description
1	Corner Truss Weldment
2	Corner Sway Brace Assembly
3	Gasket, Neoprene Foam, 3/16" x 1"
4	Pin Weldment
5	Screw, 1/4-14x3/4" Drill/Tap
6	Truss Caution Decal
7	Adhesive, Apollo 2080. 50 gram

REPLACEMENT PARTS CONTINUED

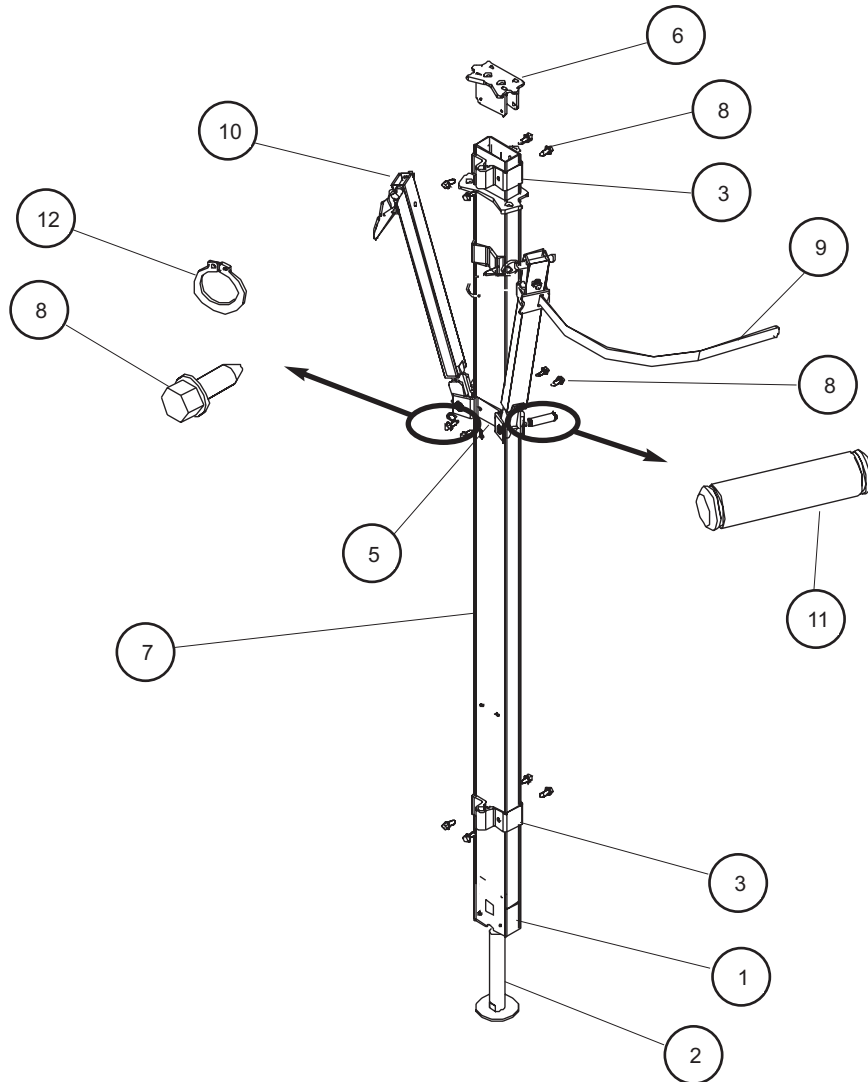
CORNER SWAY BRACE



Item	Description
1	Corner Sway Brace Outer Tube
2	Corner Sway Brace Tube Weldment
3	Lanyard, Nylon
4	Detent Pin, 1/2" x 2"
5	Strap, Velcro, 1-3/4" x 24"
6	Capscrew, 1/2-13x2" Zinc Plate, Grade 2
7	Jam Nut, 1/2-13, Lock Nyloc, Zinc Plate
8	Clevis Weldment

REPLACEMENT PARTS CONTINUED

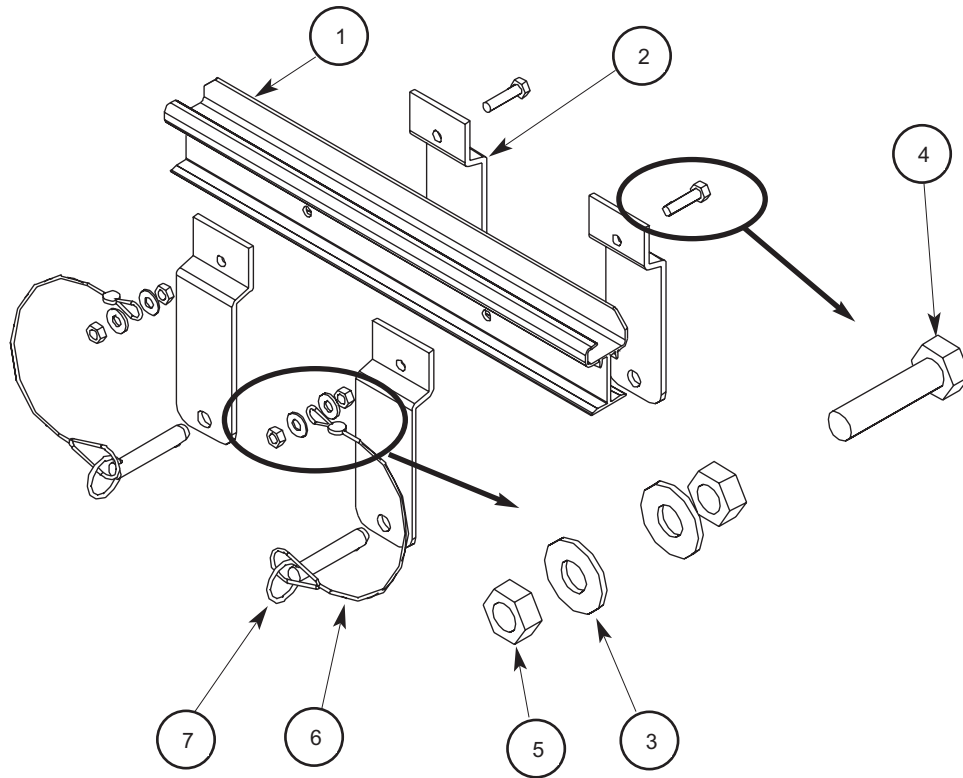
CORNER COLUMN ASSEMBLY



Item	Description
1	Column Receiver Weldment
2	Column Leveler Weldment
3	Pin Bracket
4	
5	Squaring Brace Bracket
6	Corner Column Top Fitting Weldment
7	Corner Column Tube Weldment
8	Screw, 1/4-14x3/4" Drill/Tap
9	Strap, Velcro Wrap, 1-3/4" x 3/4"
10	Squaring Brace Assembly
11	Pin, Groove, 1/2" x 2"
12	Retaining Ring, External, 1/2"

REPLACEMENT PARTS CONTINUED

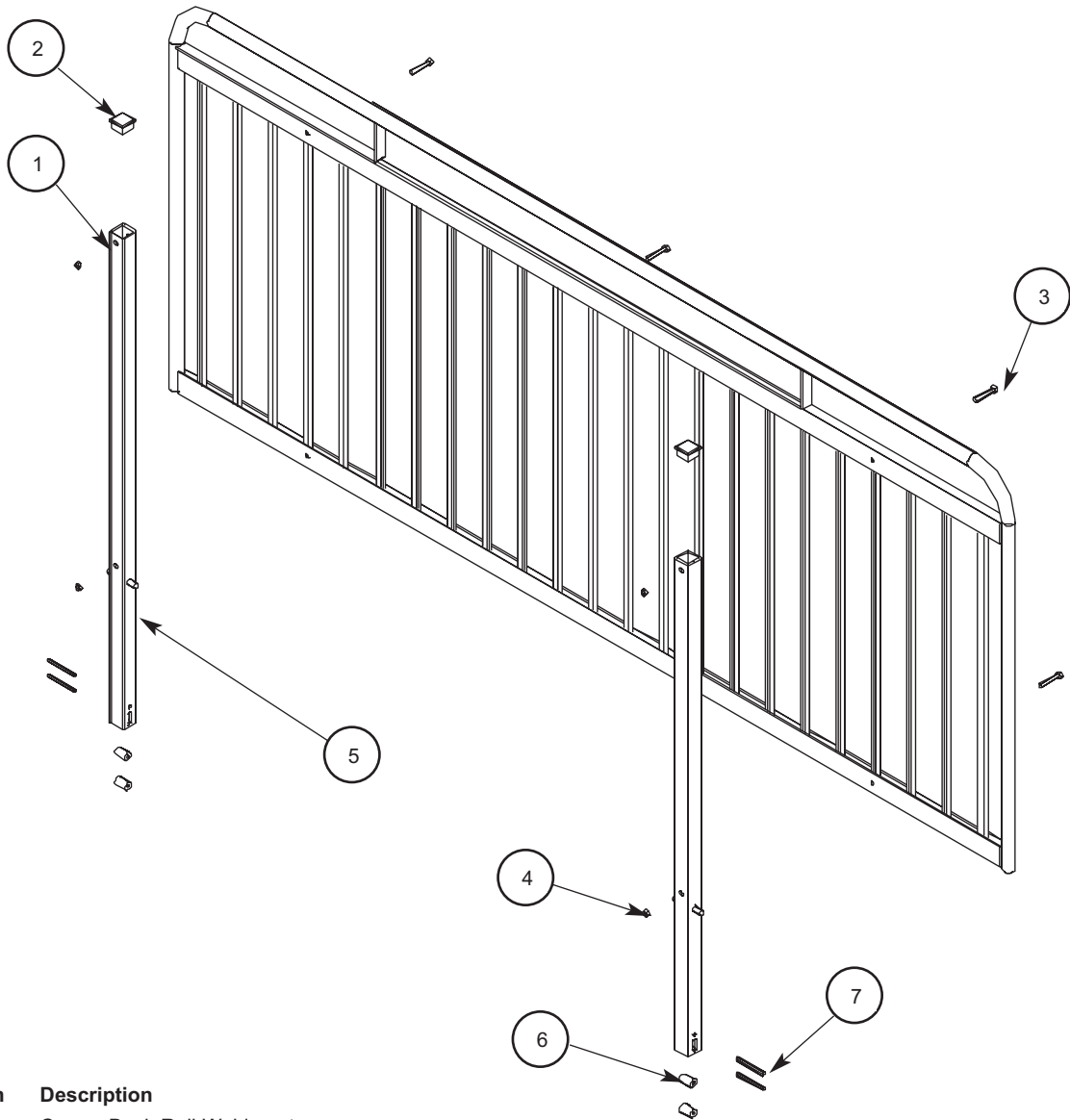
CORNER TRUSS SPACER ASSEMBLY



Item	Description
1	Truss Spacer Beam
2	Corner Truss Spacer Bracket
3	Flat Washer, 5/16" ID, Type A, Zinc Plate
4	Capscrew, 5/16-18x1-1/4" Zinc Plate, Grade 2
5	Lock Nut, 5/16-18, Nyloc, Zinc Plate
6	Lanyard, Nylon
7	Pin Detent, 1/2" x 2"

REPLACEMENT PARTS CONTINUED

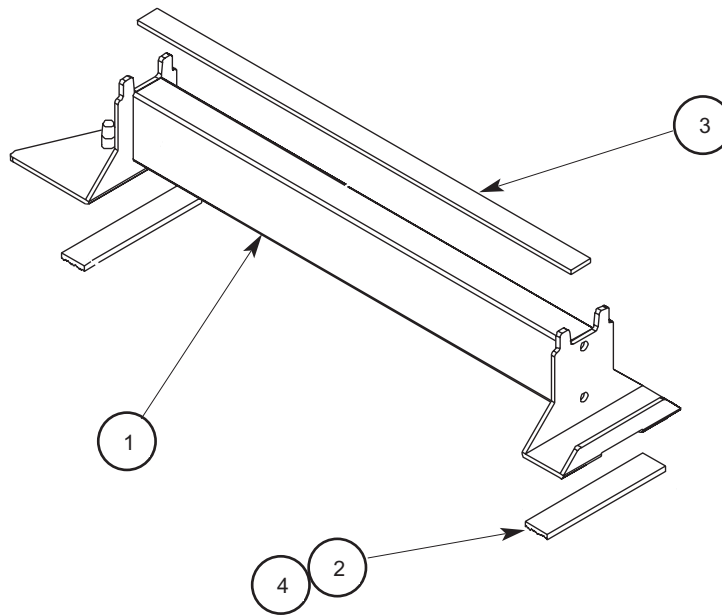
CORNER BACK RAIL



Item	Description
1	Corner Back Rail Weldment
2	Plug, Black, 1-1/2" Square 14 gauge
3	Capscrew, 5/16-18x2-3/4" Zinc Plate, Grade 2
4	Lock Nut, 5/16-18, Nyloc, Zinc Plate
5	Back Rail Tube/Pin Weldment
6	End Rail Roller
7	Spring Pin, 1/4" OD x 3" Long

REPLACEMENT PARTS CONTINUED

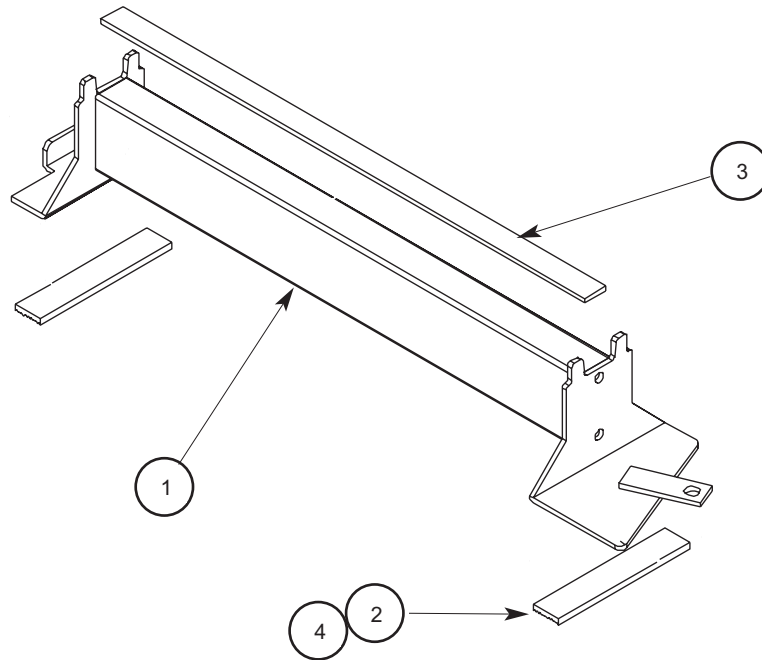
CORNER RIGHT HAND FLOOR TRUSS



Item	Description
1	Corner Right Hand Floor Truss Weldment
2	Floor Pad
3	Gasket, Neoprene Foam, 3/16" x 1"
4	Adhesive, Apollo 2028, 50 gram

REPLACEMENT PARTS CONTINUED

CORNER LEFT HAND FLOOR TRUSS



Item	Description
1	Corner Left Hand Floor Truss Weldment
2	Floor Pad
3	Gasket, Neoprene Foam, 3/16" x 1"
4	Adhesive, Apollo 2028, 50 gram