



Owner's Manual

TechLite™ Stage and Riser System

Before you begin...

WARNING! Read and understand these instructions before operating. Failure to do so may result in serious injury.

Use care when lifting, pushing or pulling these units. Never lift more than you are able to safely handle.

At least two people are required to safely operate a TechLite™ Stage and Riser System.

No Tools Required

If you have any problems during setup, contact SICO® Customer Care at 1.800.424.0796.



WARNING

Attach **GUARDRAILS** and **CHAIRSTOPS** to platform to avoid falls.

Lock **STEPS** to platform to avoid movement.

Failure to do so could result in serious injury.

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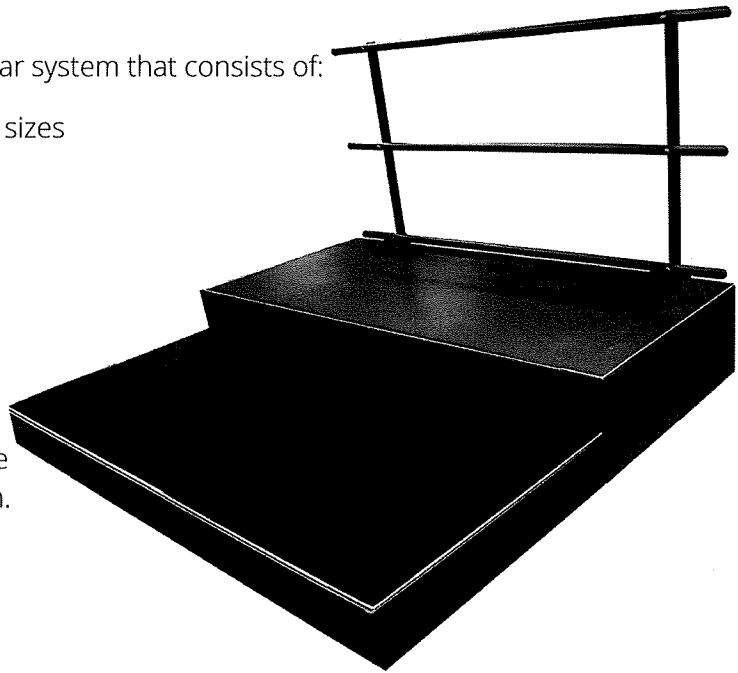


INTRODUCTION

The SICO® TechLite™ Stage and Riser is a modular system that consists of:

- Decks of various rectangular and trapezoidal sizes
- Insertable leg sets
- Guardrails
- Chair stops
- Enclosure panels
- Storage caddies

A TechLite™ Stage and Riser System may include fixed or articulating steps and/or a ramp system.



HANDLING YOUR TECHLITE™ STAGE

When handling your stage, remember to:

1. Use two people to safely move and handle the stage sections and accessories.
2. To prevent injury and damage to product, Do Not Drop the stage sections or accessories.
3. When setting up a riser system, connect all decks that are at the same height (tier). Then position each tier, with respect to each other. Connect tiers together with unit-to-unit riser connectors (mechanical system) or hook and loop system.
4. When taking a riser system down, reverse order of set-up.
5. It is not recommended to lift sections after they are connected together.

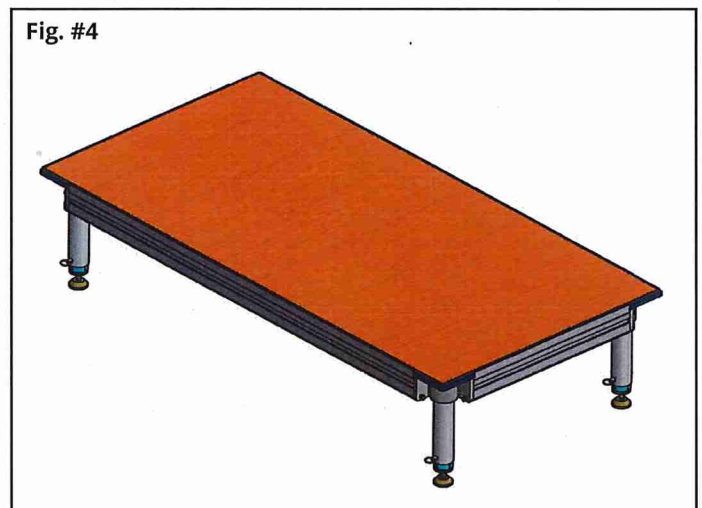
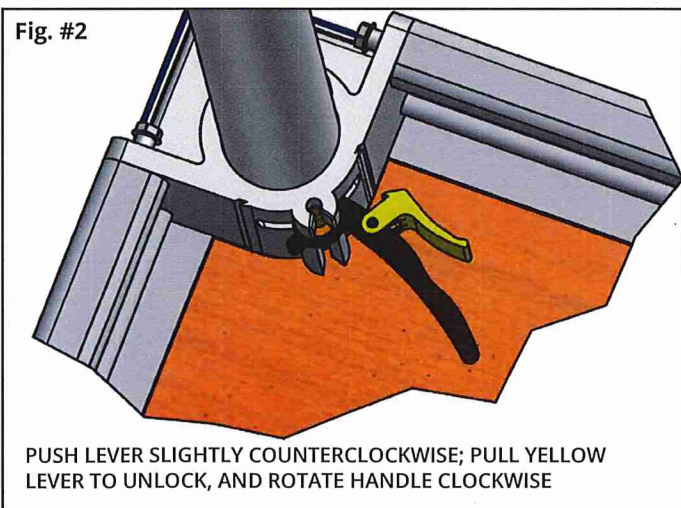
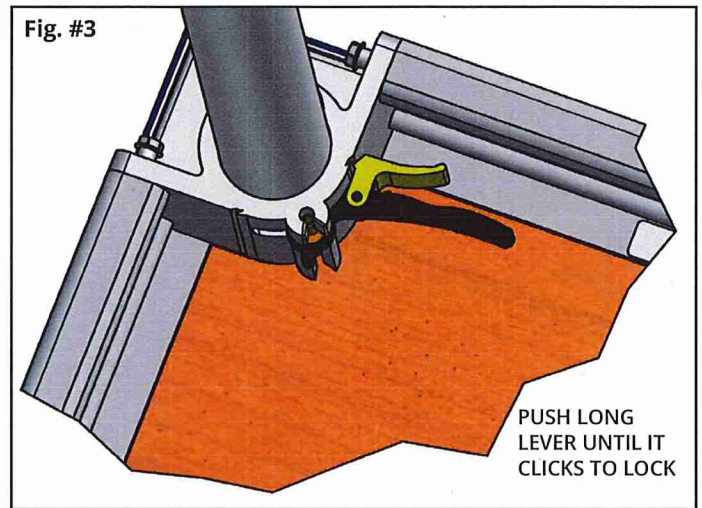
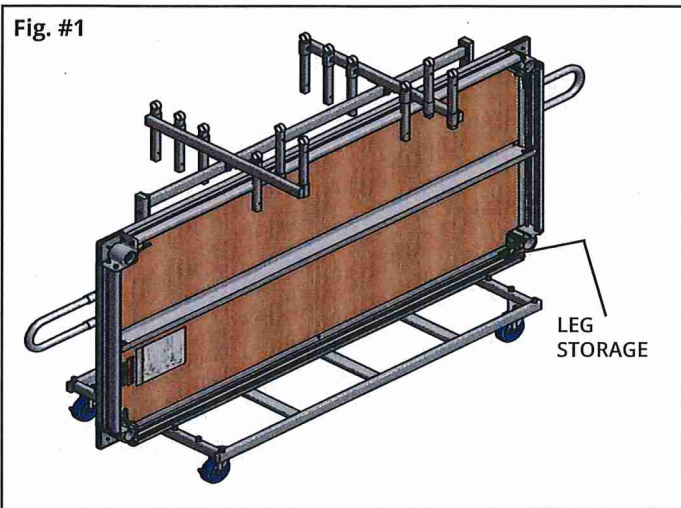
Cleaning - The Deck surface

When cleaning your stage, remember to:

1. Carpet - Vacuum clean with brush attachment, (Spray carpet cleaner can be used for stains).
2. Riga Heksa Plus - Household cleaning detergent with water and soft bristle brush. Dry with sponge, sponge mop, or micro-fiber cloth.

INSTRUCTIONS

1. Move the loaded caddy to area where the stage/riser will be setup (the bottoms of the deck sections should face outward on the caddy). Legs are stored on the inside of deck frames. **See Fig. #1**
2. Select leg heights for your application.
3. Make sure powerlock is in the unlocked position. **See Fig. #2**
4. Insert one leg fully into each socket, then push lever for powerlock to lock into position on all 4 sockets. **See Fig. #3**
5. The stage/riser is now ready to be placed into position. **See Fig. #4**
6. Adjust glide(s) if necessary to achieve level & stable platform.



CAUTION

125 psf [6.0 kN/m²] maximum allowable static load.

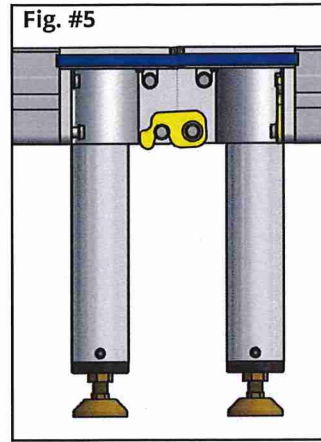
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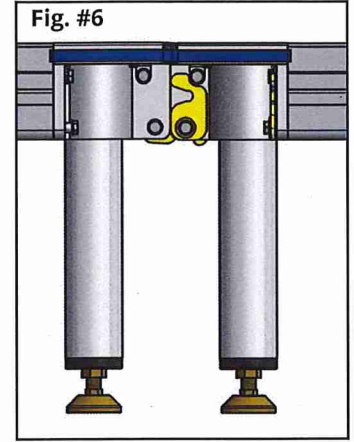
JOINING DECKS AT SAME HEIGHT

To join decks when at same height, use the built in yellow deck-to-deck connectors. These are located in diagonally opposite corners of the stage decks. For maximum stability, engage every connector that is accessible as each deck is moved into position.

1. Adjust glides as necessary to assure adjacent units are of the same height.
2. When 2 decks are butted against each other, rotate yellow deck-to-deck connector to link with next deck as shown in diagram. **See Fig. #5**
3. To unlock stage, rotate lever back in the opposite direction. **See Fig. #6**



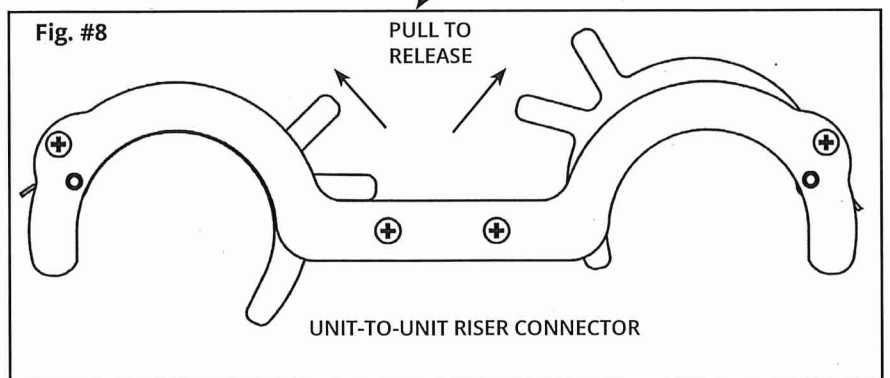
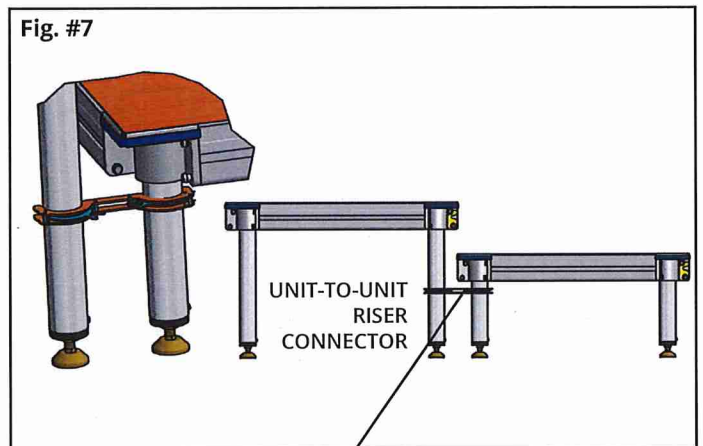
LOCKED



UNLOCKED

JOINING RECTANGULAR DECKS IN A RISER CONFIGURATION (PREFERRED METHOD)

1. When joining rectangular decks in a riser configuration, for maximum stability, use a connector at every location that is accessible as each rectangular deck is moved into position using riser unit-to-unit connectors. **See Fig. #7,#8**
2. Snap riser unit-to-unit connector onto back leg of lower tier just below the corner socket and just above the hook fastener for maximum stability. **See Fig. #7**
3. Snap the Riser unit-to-unit connector onto the front leg of higher tier. To release, pull back on the inner tab and slide off of leg. **See Fig. #8**
4. Trapezoid shaped decks are held in position by adjacent rectangular decks.



ALTERNATIVE TO UNIT TO UNIT RISER CONNECTOR

1. Riser Connector Strap: Each leg kit includes two (2) Riser Connector Straps (Hook & Loop Material).

Each leg assembly has a 1" x 2" piece of hook material affixed to the leg. **See Fig. #9**
2. Wrap the strap around two adjacent legs as shown, making sure to wrap it over the hook material of at least one of the legs. Pull the strap taut and secure it to itself. The hook material on the leg surface will keep strap from sliding down. **See Fig. #9**
3. In the case of the six (6) inch deck height, the strap will need to be secured around the glides. **See Fig. #10**

Fig. #9

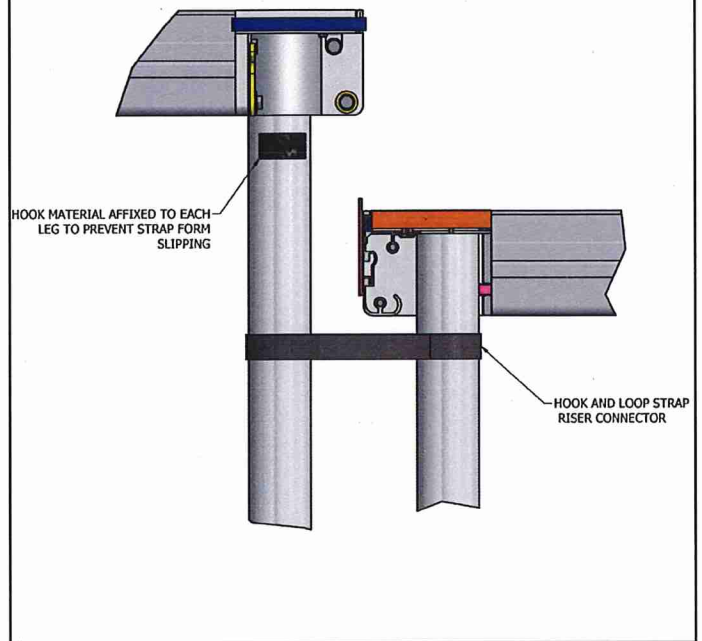
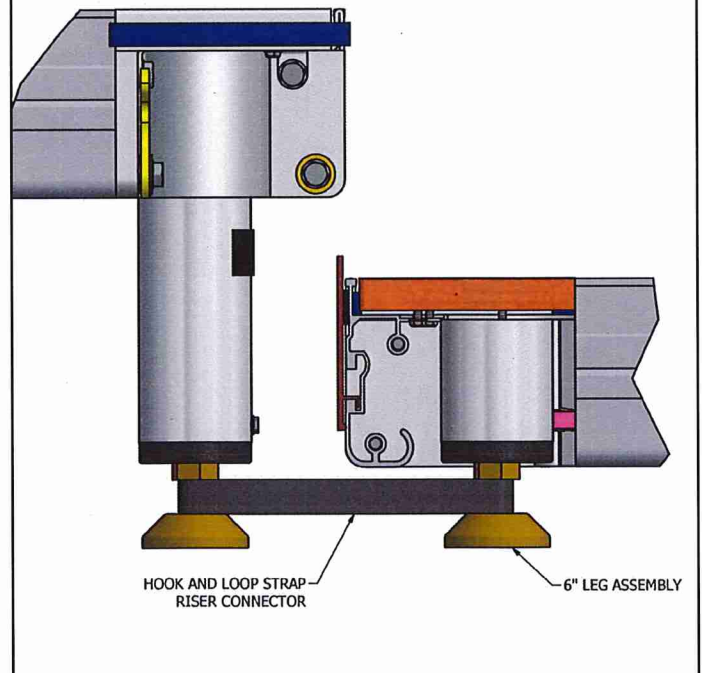


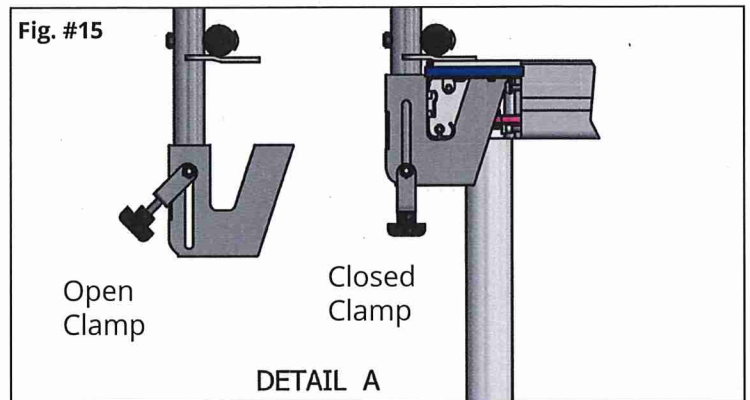
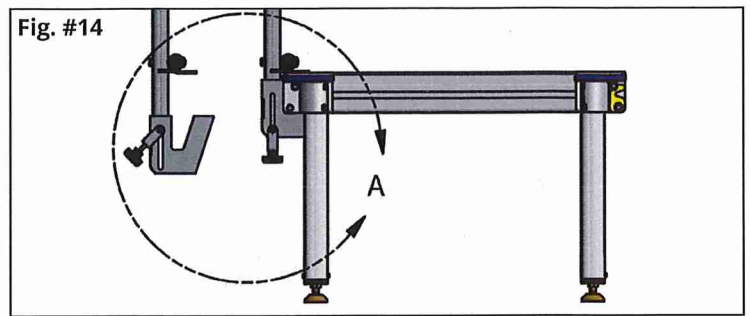
Fig. #10



GUARDRAIL INSTALLATION AND REMOVAL

Guardrails are a key safety element of any stage setup. Guardrails are recommended for the back and sides of all stage setups for heights 12" (30 cm) and above. Guardrails are 42" [106cm] high and are available in a variety of lengths.

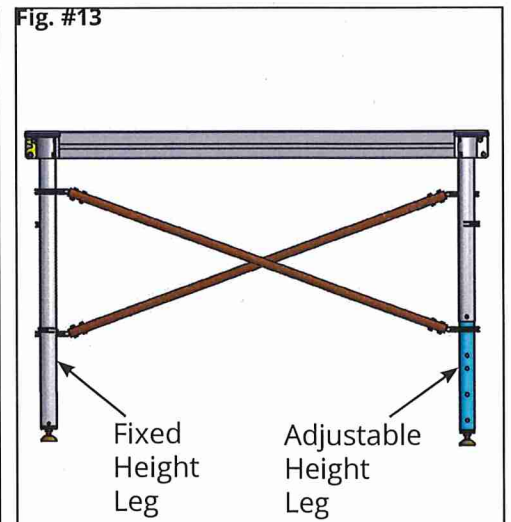
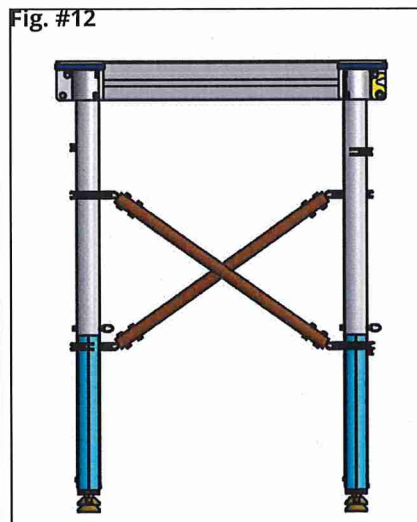
1. Some assembly of the guardrails is required before their first use; see instructions supplied with the guardrails.
2. Loosen guardrail clamp to its open position.
See Fig. #14
3. Move guardrail into position (flush against deck frame). Slide up guardrail clamp. Rotate clamp knob/screw until it is vertical and tighten hand knob firmly. **See Fig. #15**
4. Verify that guardrail is secured.
5. To remove, reverse order of steps 2 - 3 .



SWAY BRACES

Sway braces are recommended on all rectangular and trapezoid shaped stages 36" in height and above. Sway braces can be attached as shown in diagram. **See Fig. #11 #12, #13**, Sway braces on opposite ends should be positioned to form an "X" pattern as shown. Sway brace snaps onto leg in the same manner as riser unit-to-unit connector.

Note: Sway braces for adjustable height stage legs will have a black colored clamp at one end that fits on the smaller diameter (inner) leg. **See Fig. #11**

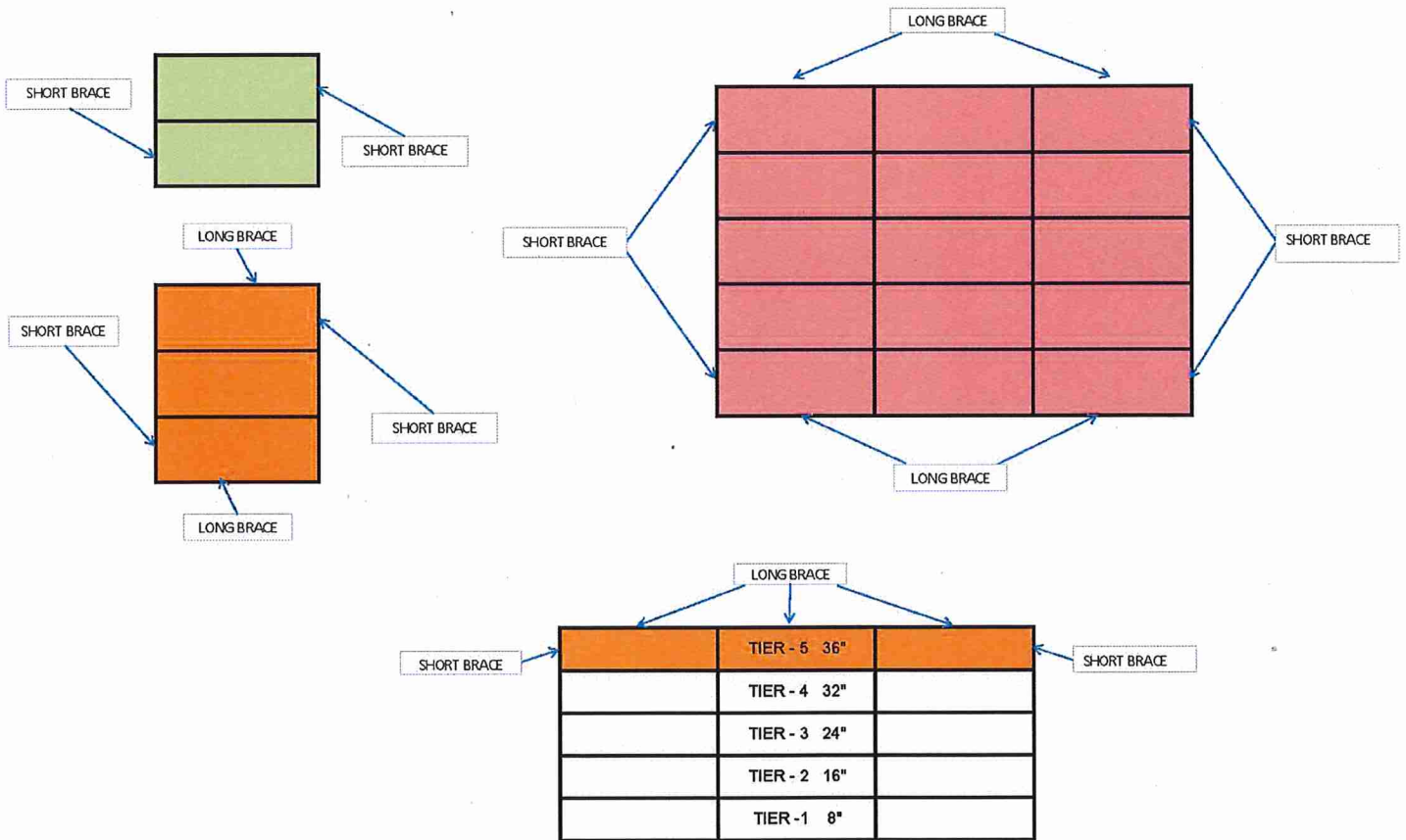


Techlite Stage Sway Brace Requirements

	Deck Size				Leg Height					
					36" Fixed Leg	40" Fixed Leg	42" Fixed Leg	46" fixed Leg	24"- 36" Adj. Leg	32"- 48" Adj. Leg
Stage Size	3 X 6	4 X 6	3 X 8	4 X 8	Short (2), Long (2)	Short (2), Long (2)	Short (2), Long (2)	Short (2), Long (2)	Short (2), Long (2)	Short (2), Long (2)
	6 X 6	6 X 8	6 X 8	8 X 8	Short (2)	Short (2)	Short (2), Long (2)	Short (2), Long (2)	Short (2), Long (2)	Short (2), Long (2)
	6 X 9	6 X 12	9 X 8	8 X 12	NONE	Short (2)	Short (2), Long (2)	Short (2), Long (2)	Short (2), Long (2)	Short (2), Long (2)
	9 X 12	12 X 12	9 X 16	12 X 16	NONE	NONE	NONE	NONE	NONE	Short (4), Long (4)
	12 X 15	12 X 20	15 X 16	16 X 20	NONE	NONE	NONE	NONE	NONE	Short (4), Long (4)
	15 X 18	18 X 20	15 X 24	20 X 24	NONE	NONE	NONE	NONE	NONE	Short (4), Long (4)
	15 X 24	20 X 24	15 X 32	20 X 32	NONE	NONE	NONE	NONE	NONE	Short (4), Long (4)

Notes:

1. The "Short" sway brace is either the 3ft or 4ft length (based on deck size)
2. The "Long" sway brace is either the 6ft or 8ft length (based on deck size)
3. Risers require no sway bracing up to heights of 32 inches. Any riser tier 36 inches or higher will require a "Long" brace on each deck and a "Short" brace on every other deck.

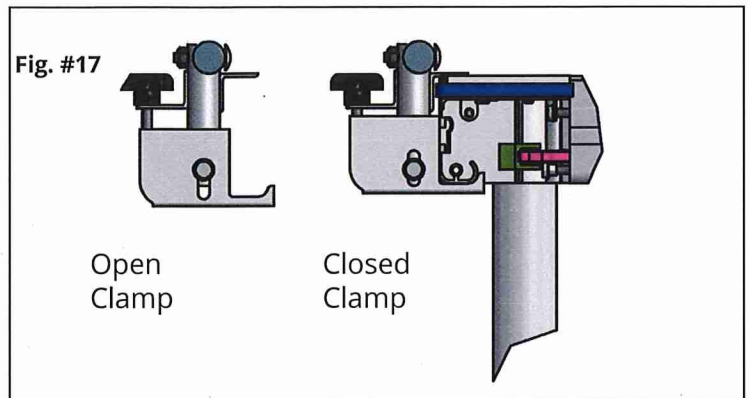
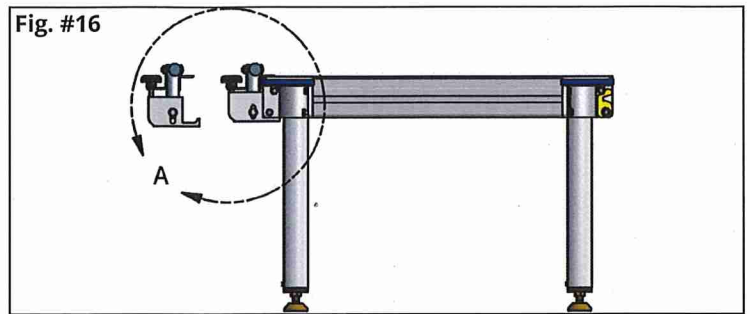


RISER CONFIGURATION (8" STEP RISE)

CHAIR STOP INSTALLATION AND REMOVAL

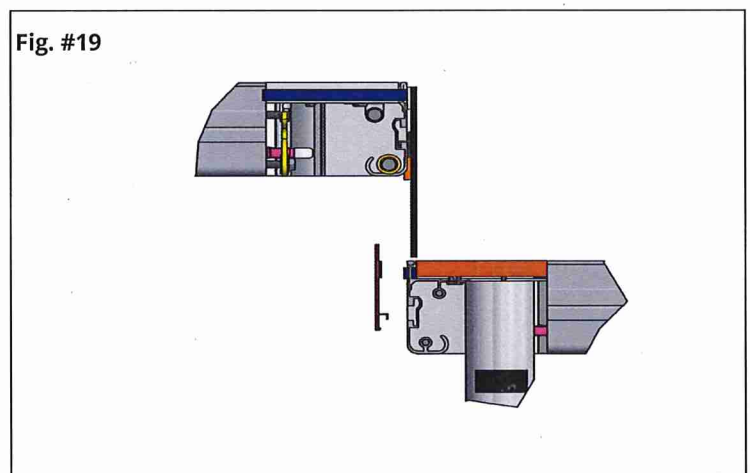
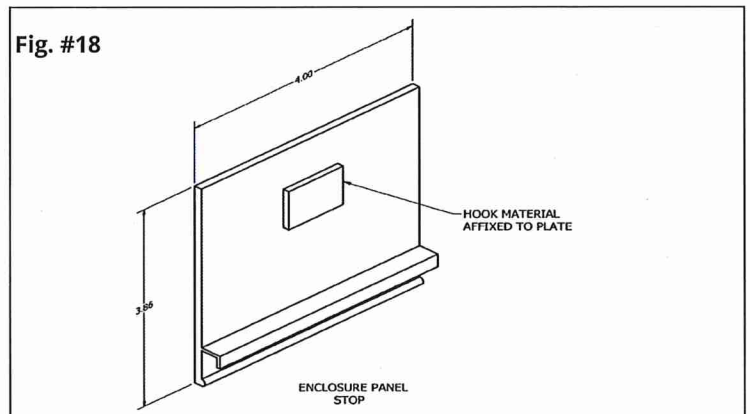
Chair stops are also a key safety element for any stage or riser system. Chair stops are recommended wherever chairs or tables or similar objects are near an edge of the stage or riser tier that is not protected by a guardrail. Chair stops come in a variety of lengths to mate with all TechLite™ decks.

1. Loosen chair stop clamp to its open position by rotating clamp knob/screw CCW. **See Fig. #16 & #17**
2. Move chair stop into position (flush against deck frame). Rotate clamp knob/screw clockwise until it is tight. **See Fig. #17**
3. Apply pressure to installed chair stop to ensure that it is secured. **See Fig. #17**
4. To remove, reverse order of steps 1 & 2

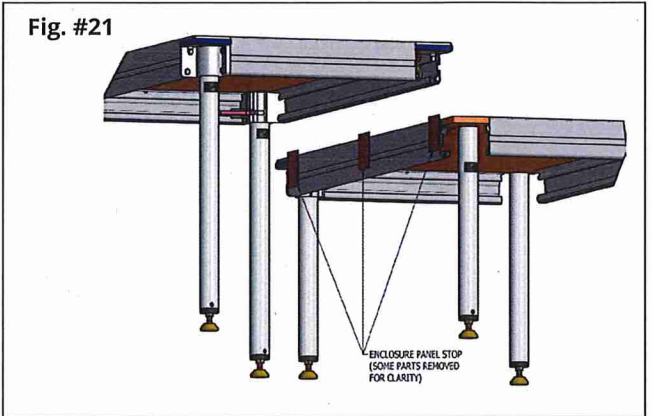
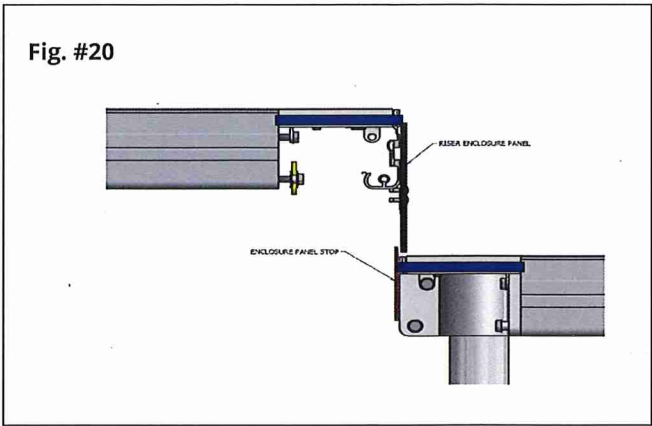


ALTERNATIVE TO CHAIR STOP RAIL IN RISER CONFIGURATION

1. Enclosure Panel Stop - will serve the same function as the Chair Rail Stop. The enclosure panel stop will keep the riser enclosure panel from being displaced beyond the edge of the deck. **See Fig. #18 & #19**

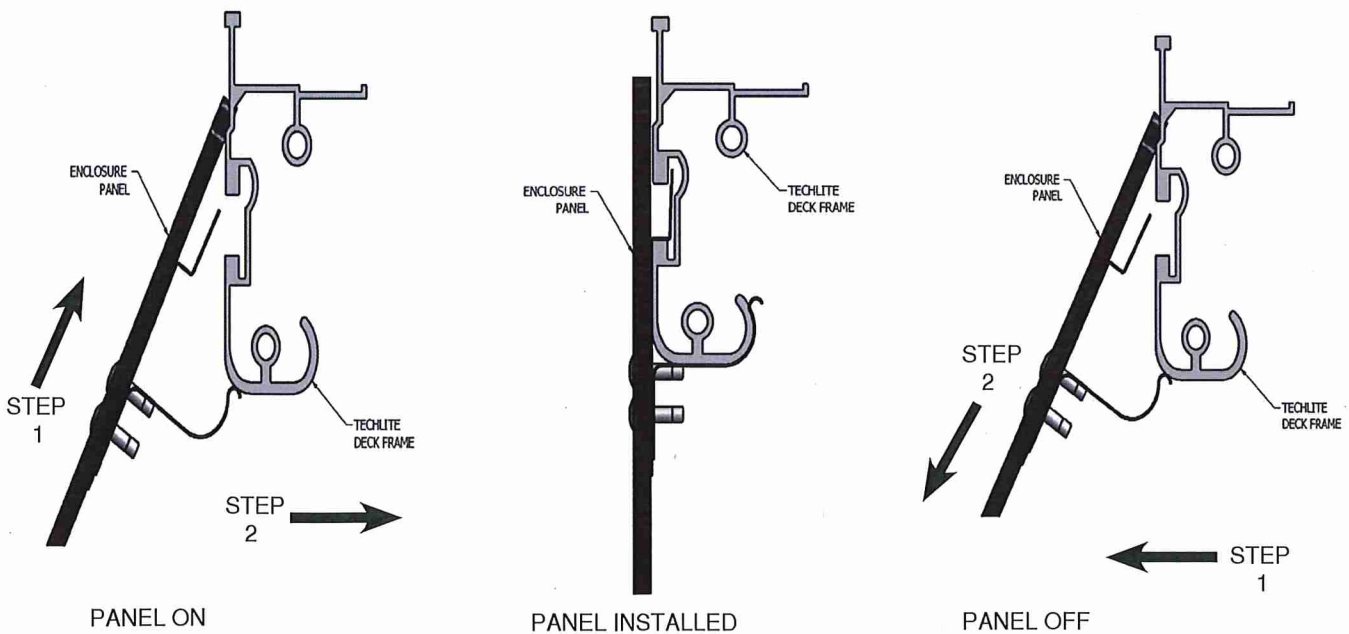


2. To install Enclosure Panel Stop simply insert it into channel of the deck assembly and push toward deck so hook and loop fasteners engaged. **See Fig. #19 & #20**
3. It is recommended to have two (2) enclosure stop on decks up to six feet in length, three (3) for decks six feet or greater in length. **See Fig. #21**



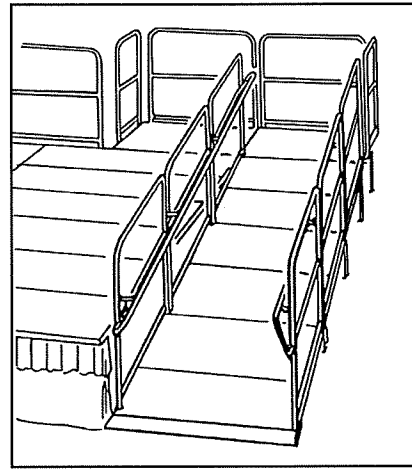
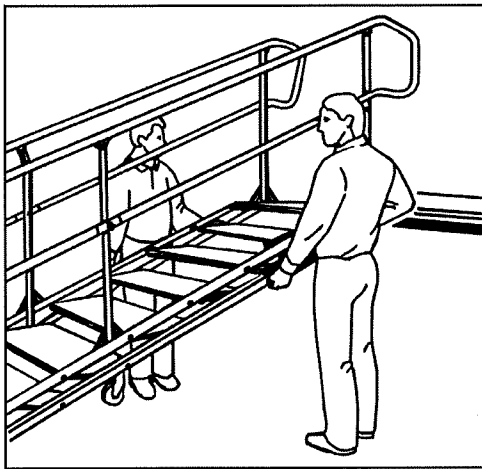
ENCLOSURE PANEL INSTALLATION AND REMOVAL

1. See diagrams below.
2. Widest end of panel (End with scallop contour) always goes to the outside corner of the deck.



ATTACHING ACCESSORIES

- **Step Assemblies** – SICO's articulating step units can cover the entire height range of a TechLite™ stage system, so the same step assemblies can be used for any height within the range of your particular TechLite™. These step assemblies come with an Owner's Manual. Fixed height step units are also available. Read and follow the step instructions to ensure a secure setup.
- **Ramp System** – SICO's ramp provides accessibility to the TechLite™ stage. The slope is 1" of rise per 12" [1cm of rise per 12cm] of horizontal travel, with the appropriate handrails, landings and turnarounds as required for your particular setup. Ramp sections are available in 6" [15cm] and 8" [20cm] rise per section. The ramp system comes with an Owner's Manual. Read and follow the ramp system instructions to ensure a secure setup.



- **Closure Drapery** – Stage drapes are available in single heights and adjustable heights. An adjustable height drape can be adjusted to match the stage height selected for a specific event. There is a strip of hook fastener along the bottom edge of the drape and multiple strips of loop fastener parallel to the bottom edge of the drape. For the tallest stage height, these hook and loop fasteners are not used. For shorter stage heights (i.e., shorter drape heights), simply align the hook fastener from the bottom edge of the drape with the appropriate strip of loop fastener to achieve the desired drape length. **Fig. #22**
 - Attach the drape to the deck by attaching the loop fastener at the top of the drape to the hook fastener on the deck perimeter. **Fig. #23**
 - One end of the drape has a short strip of hook fastener near the top and on the front; this allows you to overlap adjacent drapes. **Fig. #24**

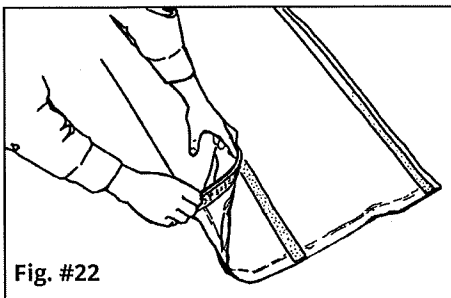


Fig. #22

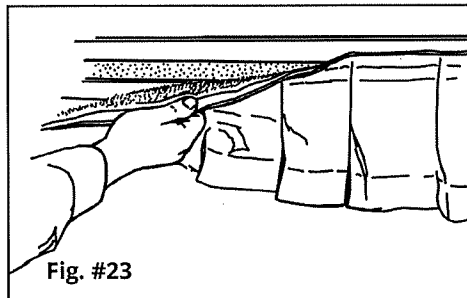


Fig. #23

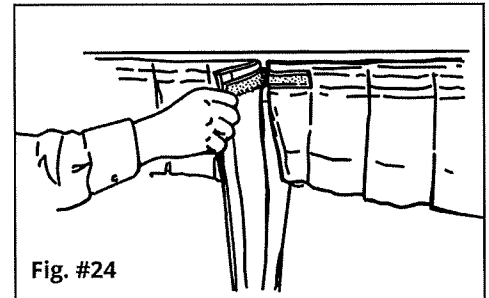


Fig. #24

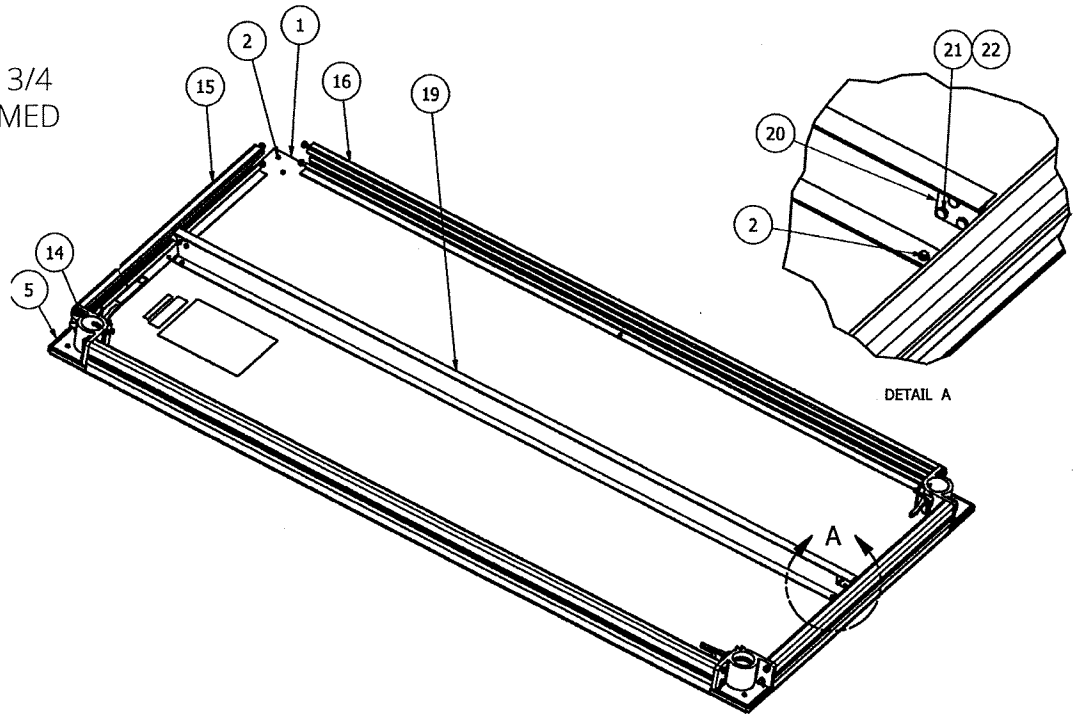
MAINTENANCE

- The outside of telescoping parts should be wiped clean.
- Paint scratches may be touched up (guardrails, chair stops).
- Deck surfaces may be cleaned as described on page #2

PARTS LIST – DECK ASSEMBLY

No. Description

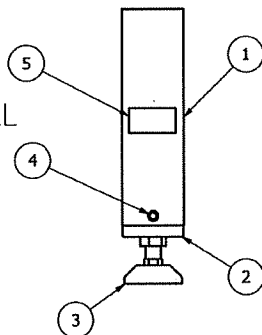
- 1 DECK
- 2 HEX SCREW #12-14 X 3/4
- 5 METAL CORNER, FORMED
- 14 CORNER ASM 90
- 15 SIDE RAIL, SHORT
- 16 SIDE RAIL, LONG
- 19 I BEAM, SUPPORT
- 20 SUPPORT BRACKET
- 21 HEX BOLT
- 22 M6 NYLOC NUT



PARTS LIST – FIXED LEG

No. Description

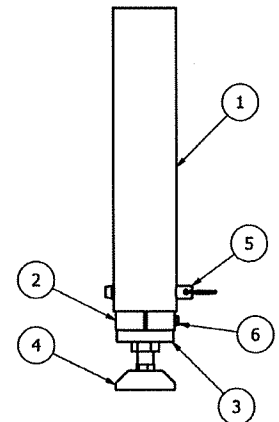
- 1 LEG FIXED
- 2 LEG INSERT
- 3 THREADED FOOT
- 4 #10 X .75 SELF DRILL SCREW
- 5 HOOK



PARTS LIST – ADJUSTABLE LEG

No. Description

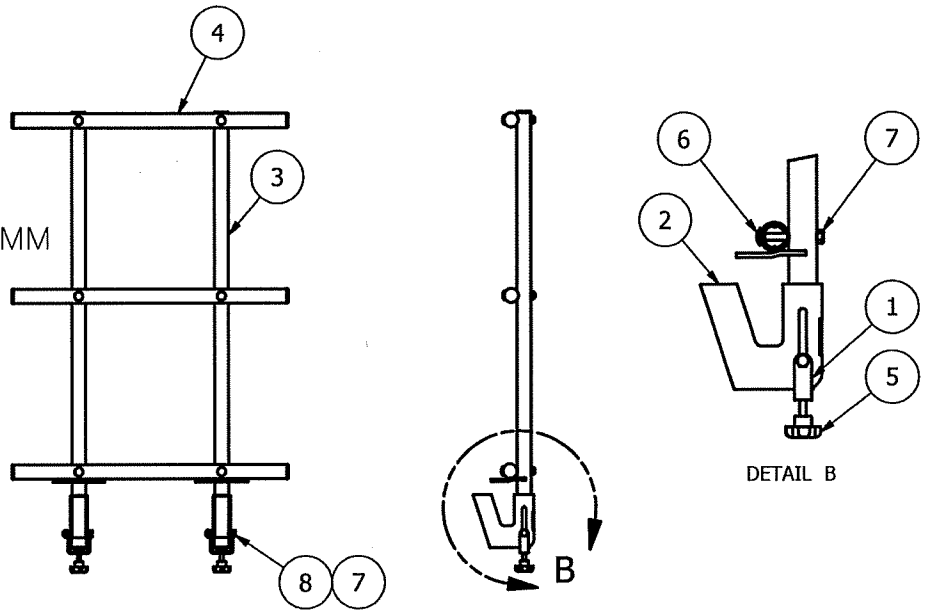
- 1 LEG OUTER
- 2 INNER LEG
- 3 LEG INSERT THREADED
- 4 ADJUSTABLE FOOT
- 5 LEG PIN
- 6 #10 X .75 SELF DRILL SCREW



PARTS LIST - GUARDRAIL

No. Description

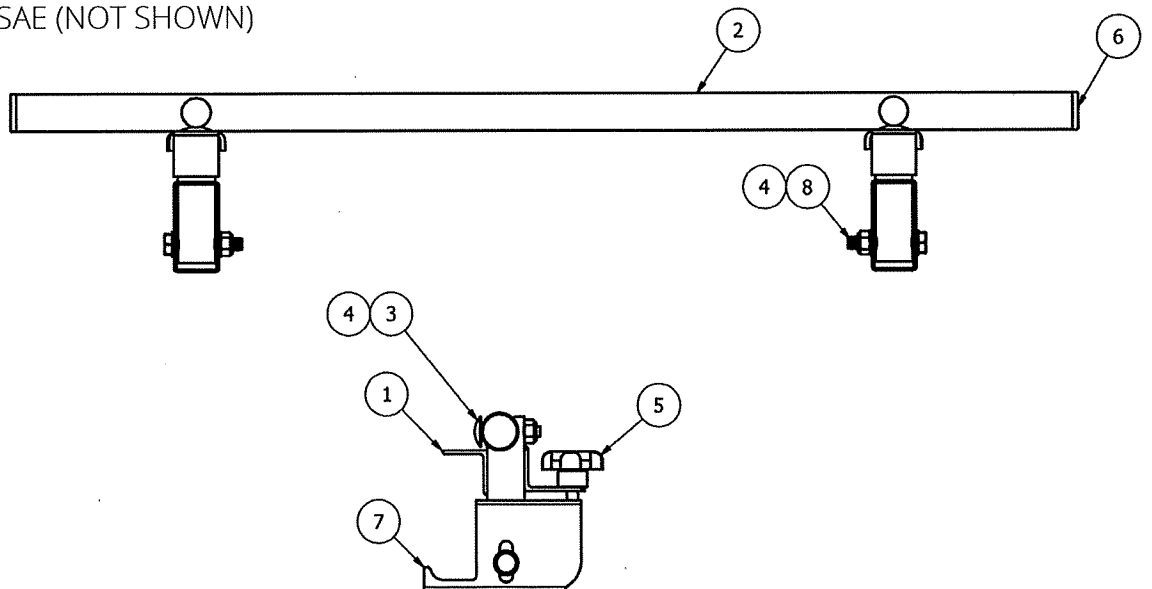
- 1 U BRACKET GUARDRAIL
- 2 GUARDRAIL WELDMENT
- 3 GUARDRAIL VERTICAL
- 4 HORIZONTAL RAIL
- 5 HAND KNOB
- 6 CARRIAGE BOLT, M10 x 1.5 x 90MM
- 7 M10 LOCKNUT
- 8 SCR C HH M10X1.5X80MM
- 9 TUBE CAP, LDPE BLACK



PARTS LIST - CHAIR STOP

No. Description

- 1 WELDMENT, CHAIR STOP
- 2 TUBE, CHAIR RAIL
- 3 CARRIAGE BOLT, M10 x 1.5 x 50mm
- 4 M10 LOCKNUT
- 5 HAND KNOB
- 6 PLUG RD 1.25X14GA
- 7 WELDMENT, CLAMP, CHAIR STOP
- 8 SCR C HH M10X1.5X60MM
- 9 WASHER, 3/8" SAE (NOT SHOWN)



Please have the serial number of the product when contacting customer service to receive assistance for:

- Selecting replacement parts/decals
- Repairing the product
- Adjusting and operating the product
- Obtaining online assistance



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