

V2 FALSE CAR C €

Part No. 11-306-K0X

INSTALLATION INSTRUCTIONS

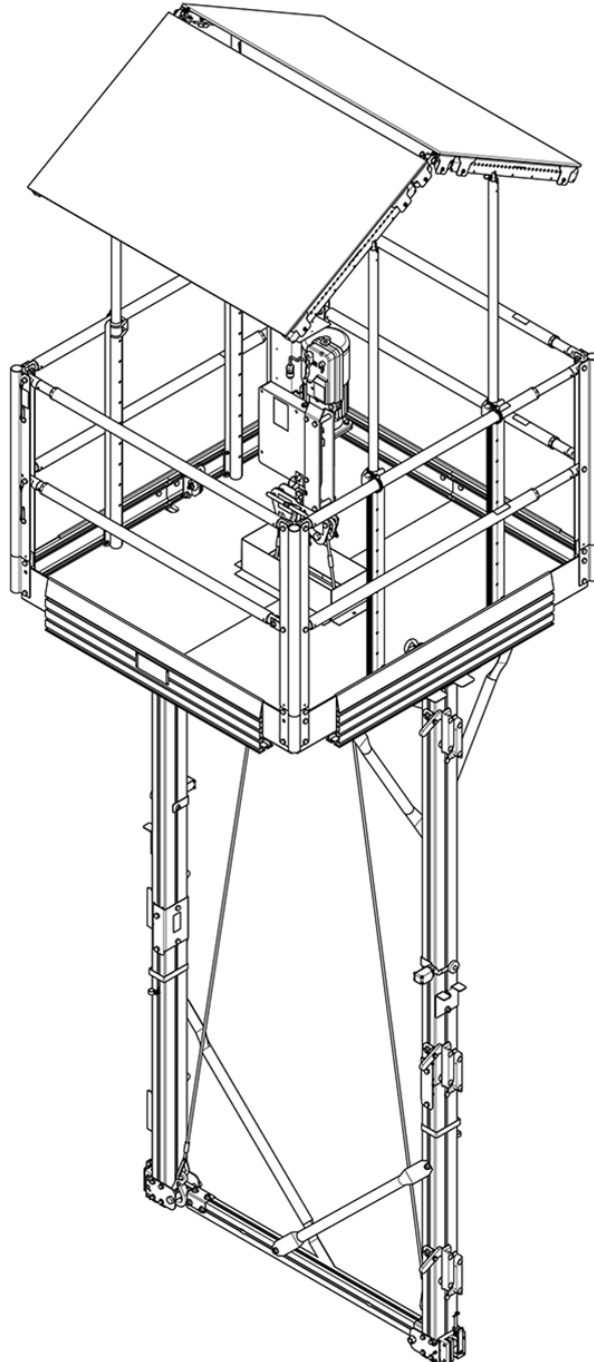


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PRODUCT INFORMATION & SAFETY WARNINGS

PRODUCT WARRANTY & INFORMATION



Scan the QR code to view detailed warranty information at wurtec.com. For questions or product support, contact Wurtec Customer Service at 1-800-837-1066. If a Declaration of Conformity is available for this product, it can be downloaded from its product page on wurtec.com.

EQUIPMENT DESCRIPTION & INTENDED USE

The Wurtec V2 False Car is a modular suspended work platform powered by a platform mounted hoist that is used for the installation of elevator rails and other elevator systems and assemblies. The platform depth and width are adjustable through various size ranges depending on the model and configuration.

WARNING

EXCLUSION OF LIABILITY

This equipment should only be installed and serviced by trained personnel. This manual is a guide, not a substitute for formal training, and may not cover every scenario or condition of use. Wurtec reserves the right to change product design and specifications without notice.

FAILURE TO COMPLY WITH THE FOLLOWING GUIDELINES CAN RESULT IN DEATH OR SERIOUS INJURY

- The V2 False Car is NOT intended for hoisting materials. It is man-riding, suspended work-platform rated for use by up to three people (including their tools and equipment).
- Rigging attachments must be rated for man-riding applications.
- All standard fasteners for the False Car must be Class 8.8 or stronger.
- Ensure all hardware/fasteners is tightened and free of damage or defects before use.
- Overload protection of the hoist must be set up and verified according to manufacturer's specifications before placing the False Car into service.
- If an overspeed limiter is engaged, lower attachment points must be inspected prior to placing the False Car back into service.
- Keep the area under the safety actuator/hoist bracket clear.
- False Car safeties must be adjusted for the rail size before use.
- Only for use with the Dual Line Rail Alignment method.
- The V2 False Car Capacity is 2200 lbs (1000 kg). DO NOT OVERLOAD.
- The V2 False Car is designed for use on rails with blade widths ranging from 5/8" (16 mm) to 1-1/4" (32 mm).
- Wire rope capacity: Specified on rope capacity tag as Vert. Disregard the Choke and V. Basket Capacities.
- Read and familiarize yourself with these instructions before using the V2 False Car.
- Secure all entrances and openings of the hoistway before installation.

WARNING

- Always use a life line when working in the hoistway.
- A load test must be performed, and documented, on the hoisting point before it can be used. For information on how to perform a load test, see the Approved Hoist Points section of this document.
- Only use approved hoisting points, such as Lean2 Beams or Hoist Bars, for your application.
- Review the Daily Checklist in this document and conduct a daily safety check before use each day.
- The False Car carries the weight of the wire rope and cables, which increases as the False Car ascends the hoistway. Due to this weight increase, the lifting capacity of the False Car decreases the higher it rises within the hoistway. Check the load table to determine safe working load limits based on platform size and lifting heights before use.

INSTALLATION / ASSEMBLY TOOLS REQUIRED

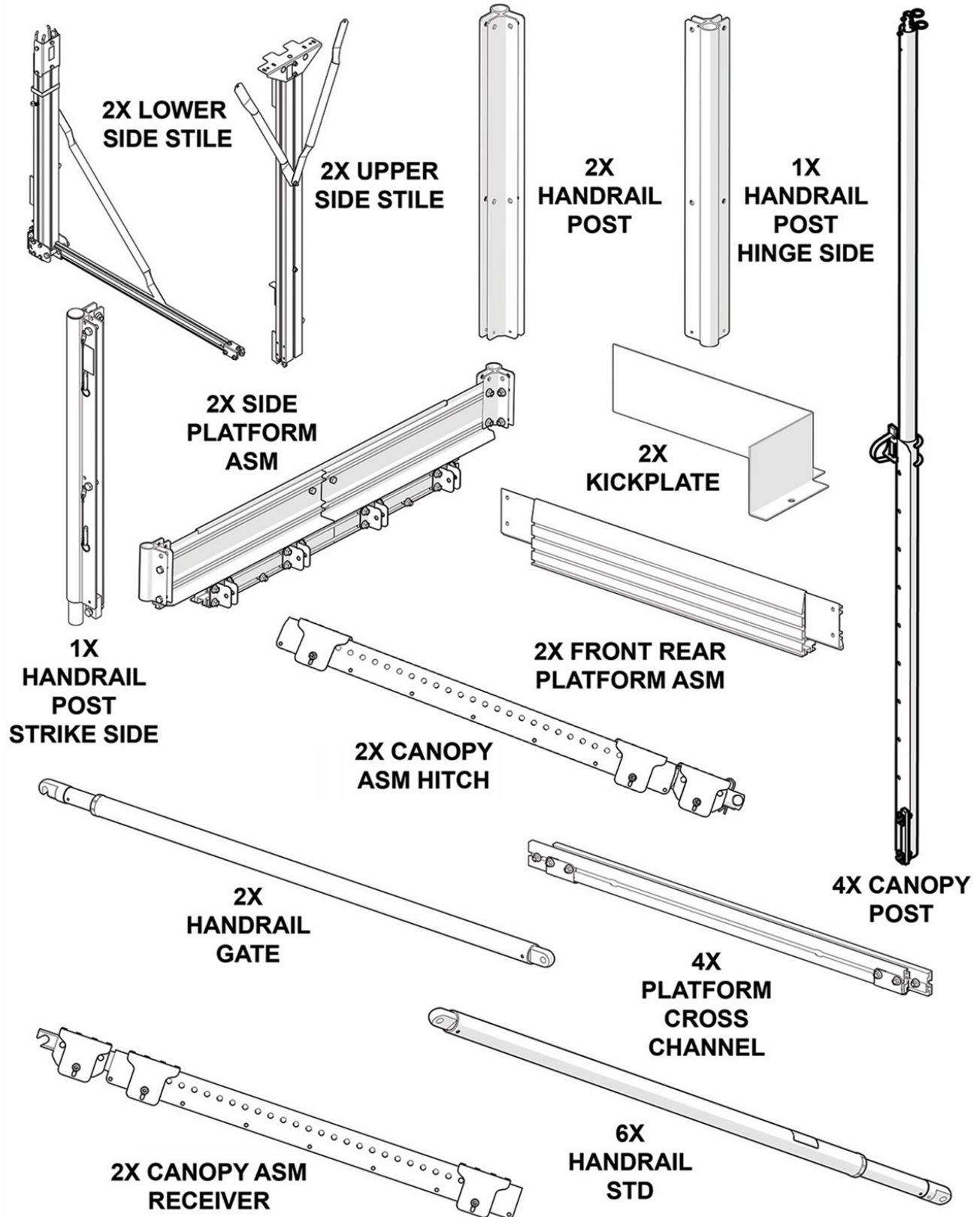
The following tool list is the minimum required for installing the Wurtec V2 False Car. Installation should be completed by two, trained individuals.

- | | | |
|--|--------------------------|--------------------------|
| • 2.5mm Allen Key (Hex) | • 10mm Open End Wrench | • Hammer |
| • 3mm Allen Key (Hex) | • 13mm Open End Wrench | • Saw |
| • 4mm Allen Key (Hex) | • 15mm Open End Wrench | • Pliers |
| • 5mm Allen Key (Hex) | • 19mm Open End Wrench | • Tape Measure |
| • 6mm Allen Key (Hex) | • 19mm Ratchet Wrench | • Flat Blade Screwdriver |
| • 8mm Allen Key (Hex) | • 27mm Open End Wrench | |
| • Cordless Drill & Drill Bits
(Sockets and Hex Bits optional) | • #2 Philips Screwdriver | |

PERSONAL PROTECTION EQUIPMENT (PPE) REQUIRED

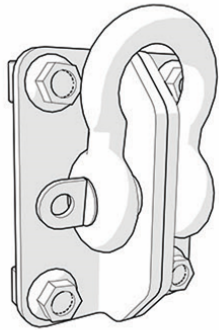
- | | | |
|--------------------------------------|-----------------------------|------------------------------|
| • Safety Glasses | • Hard Hat | • Fall Protection
Harness |
| • Work boots with steel toe and sole | • Abrasion resistant gloves | |
| • Safety Vest | • Lifeline | |

PACKING LIST

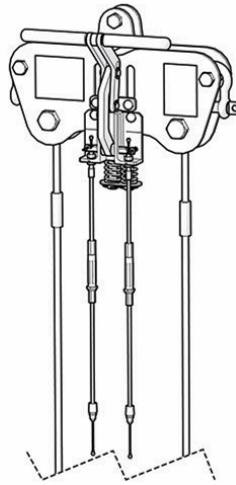


PACKING LIST

1X BOX CONTAINING



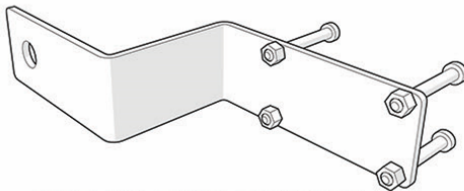
**2X FALL
PROTECTION
BRACKET**



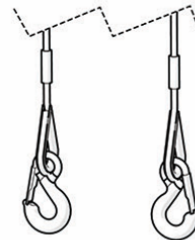
**1X HOIST
BRACKET**



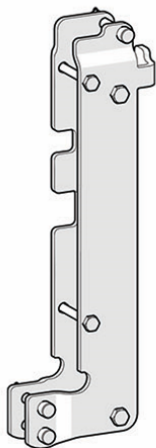
**4X NYLON
WEB SLING**



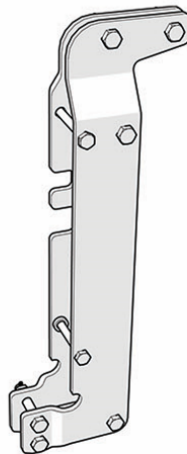
**2X RAIL END SWITCH
MOUNTING BRACKET**



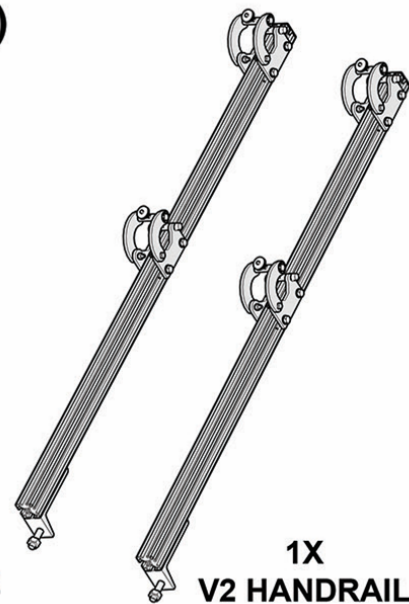
RECOMMENDED (SOLD SEPARATELY)



**1X FALL ARREST DEVICE
BRACKET - TIRAK
PN:10-10013440**



**1X FALL ARREST DEVICE
BRACKET - DUALIFT
PN:10-10019424**



**1X
V2 HANDRAIL
SUPPORT KIT**

LOAD TABLE

The False Car carries the weight of the wire rope and cables, which increases as the False Car ascends the hoistway. Due to this weight increase, the lifting capacity of the False Car decreases the higher it rises within the hoistway.

Check the load table below to determine safe working load limits based on platform size and lifting heights.

Platform Area - Less than 28 sq ft (2.6 sq m)	
Lifting Height	Lifting Capacity
Up to 460 ft (140 m)	1255 lbs (571 kg)
460 ft (140 m) to 655 ft (200 m)	1179 lbs (537 kg)
655 ft (200 m) to 990 ft (300 m)	1047 lbs (477 kg)
Platform Area - 28 sq ft (2.6 sq m) to 73 sq ft (6.8 sq m)	
Lifting Height	Lifting Capacity
Up to 460 ft (140 m)	1059 lbs (482 kg)
460 ft (140 m) to 655 ft (200 m)	983 lbs (448 kg)
655 ft (200 m) to 990 ft (300 m)	851 lbs (388 kg)
Platform Area - More than 73 sq ft (6.8 sq m)	
Lifting Height	Lifting Capacity
Up to 460 ft (140 m)	921 lbs (420 kg)
460 ft (140 m) to 655 ft (200 m)	845 lbs (385 kg)
655 ft (200 m) to 990 ft (300 m)	713 lbs (326 kg)

*NOTE: Working load limits by size and lifting weight. Payloads are calculated based on minimum plywood thickness.

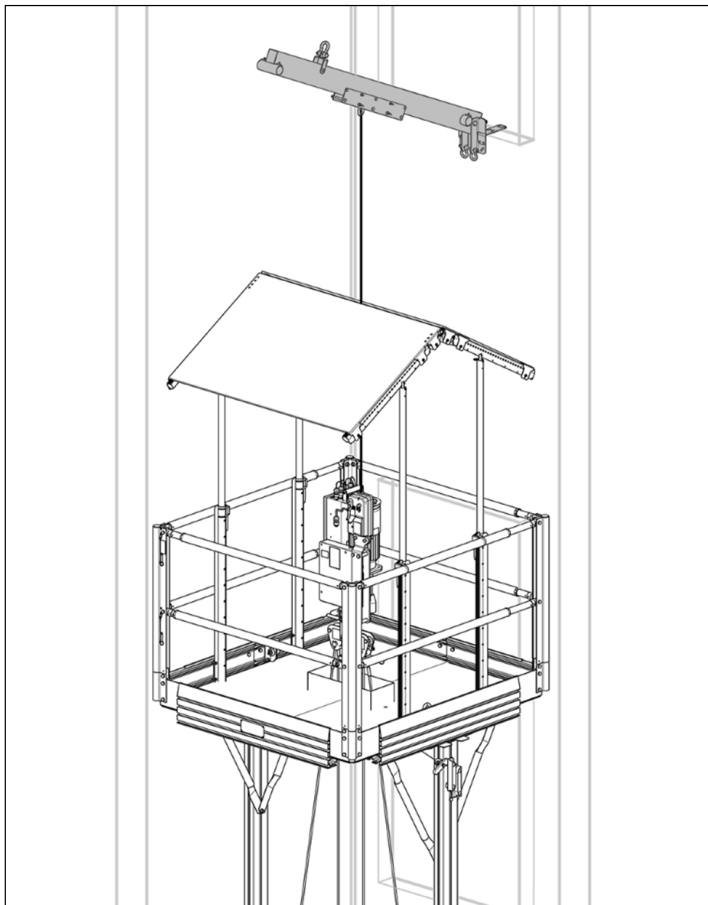
HOIST OPTIONS

The V2 False Car requires a Phase 3 hoist, strong enough to lift up to 2200 lbs. The table below shows the required technical specifications for a Phase 3 hoist, and hoists that meet those requirements.

	Generic Specs (US Power Supply)	Examples (US Power Supply)		Generic Specs (Non-US Power Supply)	Examples (Non-US Power Supply)	
Hoist Model	-	E.lift Hoist, 2200 lb	XE1020P	-	Liftho 1000T	X 1033 P
Manufacturer	-	Fixator	Tirak	-	Fixator	Tirak
Certification	UL Listed	UL Listed	UL Listed	CE Mark	Yes	Yes
EN 1808 - Current	NA	NA	NA	Required	Yes	Yes
Voltage	208/220	208	220	400	380/415	400
Phases	3	3	3	3	3	3
Frequency	50/60	60	60	50/60	50/60	50
Motor Power	2.5 HP	2.5	2.5	1.8/3.6 kW	1.85	1.8/3.6
Hoist Weight	X lb	160	120	X kg	59	58
Load Capacity	2200 lb	2200	2200	1000 kg	1000	1000
Elevator Speed	30 ft/min	30	35	9/18 m/min	9/18	9/18
Wire Rope Diameter	3/8 in	3/8	3/8	10 mm	10.2	10
FAD Model	2200 lb capacity, 35 ft/min max speed	Securichute 2200	Blocstop BSO 1020	1000 kg capacity, 18 m/ min max speed	Securichute 1000	Blocstop BSO 1020

*NOTE: Rail end safety switches can be acquired through the hoist supplier.

APPROVED HOIST POINTS



Before using the V2 False Car, appropriate hoisting points must be installed and tested. Some hoist point examples include:

Lean 2 Beams

- 11-221
- 11-225
- 11-223
- 11-224
- 70-10002488
- 70-10003838
- 70-10003837

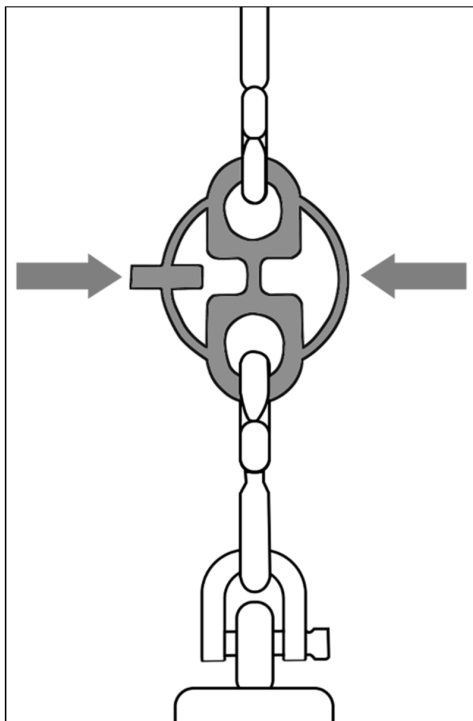
Hoist Bars

- 11-105

Hoisting points must be able to withstand the following loads:

- Static Load: 2200 lbs.
- Dynamic Load: 6600 lbs.

Check the table on the Hoist Options section to review approved hoist/fall arrest devices.



Before use, the hoisting point must be load tested and the test must be documented. For more information about how to perform a load test, please visit :

- Tractel.com
- Okatt.com
- Konespares.com

APPROVED HOIST POINTS - DECLARATION OF CONFORMITY

To receive a Declaration of Conformity certificate from Wurtec, fill out the following form, gather supporting documentation/images, and send it to wurtecsales@wurtec.com.

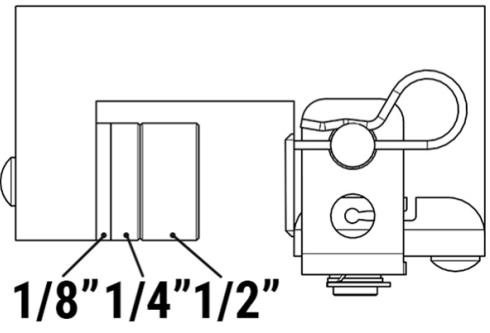
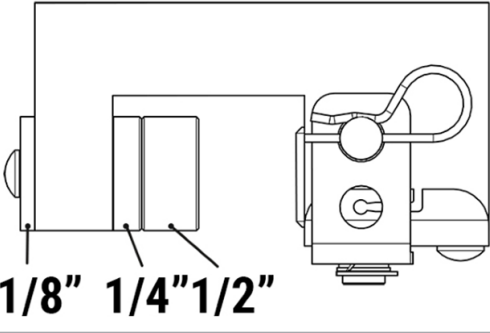
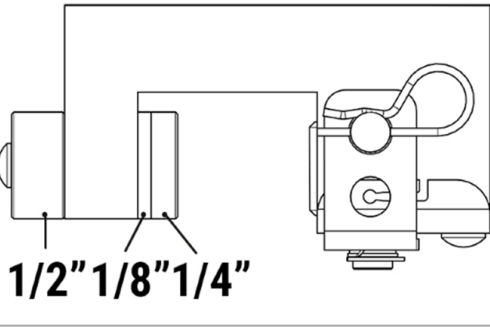
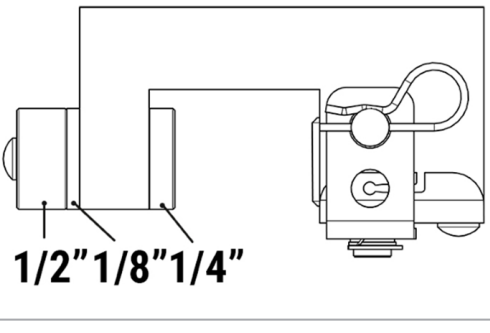
Company Name	
Address	
City	
State	
Zip Code	
Country	

Hoist Point Product Description	
Type	
Model	
Certification Number	
Notified Body	

Hoist Model and Certification Number	
Brand	
Model	
Certification Number	
Notified Body	
Address	

Fall Arrest and Secondary Device Model and Certification Number	
Brand	
Model	
Certification Number	
Notified Body	
Address	

SAFETY BLOCK ADJUSTMENTS

Rail Designation	Blade Width (in/mm)	1/2" (12.7 mm) Bronze	1/4" (6.4 mm) Bronze	1/8" (3.2 mm) Aluminum	Reference Images
T70/B	.625/16	INSIDE	INSIDE	INSIDE	 1/8" 1/4" 1/2"
T89/B	.625/16	INSIDE	INSIDE	INSIDE	
T114/B	.625/16	INSIDE	INSIDE	INSIDE	
T127-1/B	.625/16	INSIDE	INSIDE	INSIDE	
T127-2/B	.625/16	INSIDE	INSIDE	INSIDE	
T140-1/B	.75/19	INSIDE	INSIDE	OUTSIDE	 1/8" 1/4" 1/2"
T140-2/B	1.125/28.6	OUTSIDE	INSIDE	INSIDE	 1/2" 1/8" 1/4"
T140-3/B	1.25/31.75	OUTSIDE	INSIDE	OUTSIDE	 1/2" 1/8" 1/4"

DAILY SAFETY CHECKLIST

The following safety checks for the V2 False Car must be performed daily before use.

All daily inspections should be performed from a location where all components can be closely evaluated. The best inspection location is typically in the hoistway pit.

	Mon	Tues	Wed	Thurs	Fri	Sat	Sun
Hoist Connection Inspect all fasteners and connections. Clean and lubricate.							
Hoist Ropes Check connections at both ends.							
Lower Connection Inspect all fasteners and connections.							
Guide Shoes Inspect fasteners and tightness to rails.							
Splice Joints Inspect all fasteners and tightness to rails.							
Safety Hardware Inspect all fasteners and operation of safeties. Clean and lubricate.							
Safety Blocks Visually inspect the outside of the lower safety blocks for any foreign objects which could inhibit their operation.							
Rail End Switch Inspect all fasteners and the position of the switch.							

DAILY SAFETY TEST PROCEDURE

Perform this test at the start of each workday to verify that the safety is functioning correctly. The false car must be suspended from the hoist ropes during this procedure.

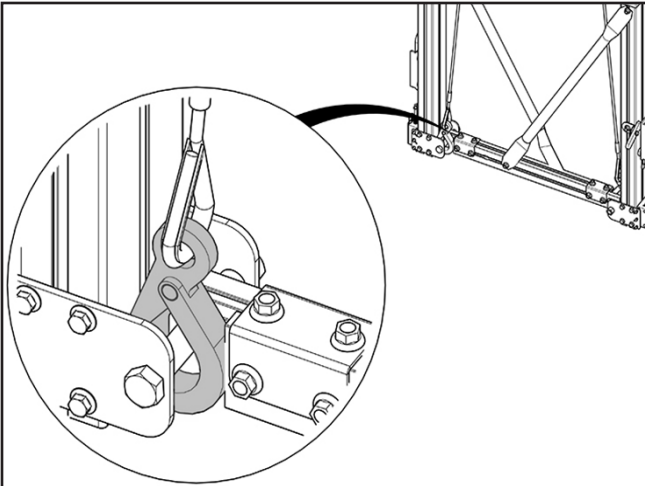
- **Testing Safety Engagement**
- **Engage the safety** - Lower the release handle to allow the safety to engage with the rail.
- **Verify safety engagement** - Drive the car downward and confirm that the safety is fully set. Inspect the actuator pins in the hoist bracket and ensure they travel to the bottom of the slots.
- **Retract the safety** - Drive the car upward while simultaneously raising the release handle to the “up” position. This should return the safety to its retracted position and allow the safety rollers to disengage from the rail.
- **Confirm safety disengagement** - Drive the car downward and ensure the safety rollers are completely disengaged from the rail.

DAILY CLEANING AND LUBRICATION OF SAFETY COMPONENTS

It is recommended to clean and lubricate the safety components (hoist bracket and lower safeties) **daily**. At a minimum, perform this procedure whenever dirt or grease buildup interferes with the free movement of any safety component.

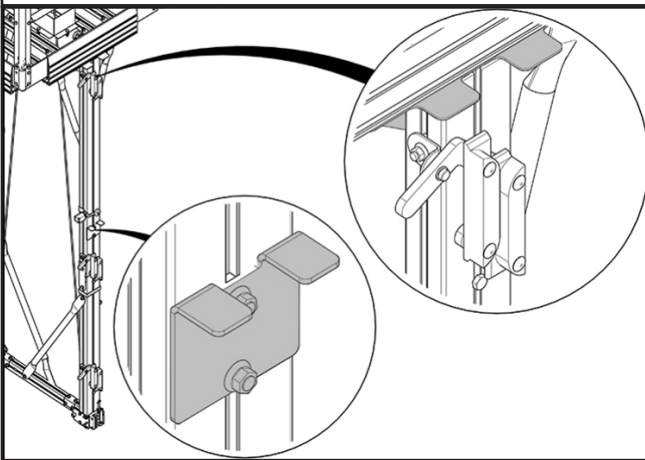
- **Remove loose debris** - Use clean compressed air or shop rags to remove loose dirt and debris from all safety components.
- **Degrease** - Clean the assemblies using a degreaser such as CRC Heavy Duty Degreaser (Wurtec PN 03095) or an equivalent product.
- **Wipe clean** - Wipe down the assemblies with a clean cloth to remove any remaining dirt or residue.
- **Lubricate** - Apply a light coating of lubricant, such as SLIPIT Spray Lubricant (Wurtec PN 11237 or 32435) or a similar rust-inhibiting lubricant, to the assemblies.

MAINTENANCE



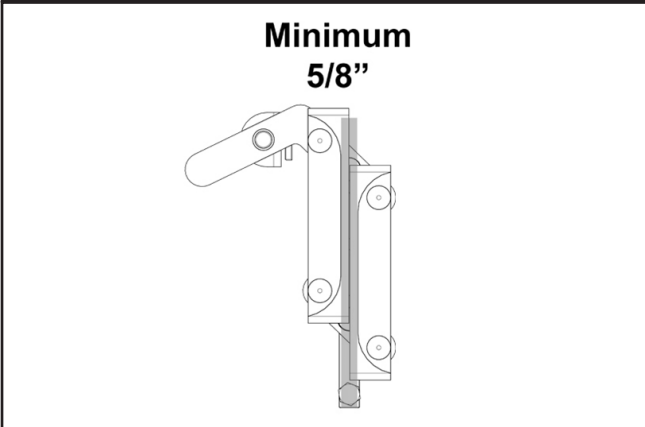
Lower Side Stile – Hoisting Point

- Inspect the hoisting point for any damage to the outer mounting tube or the inner M18 × 2.0 × 160 mm high-strength hex bolt. Replace if damaged.



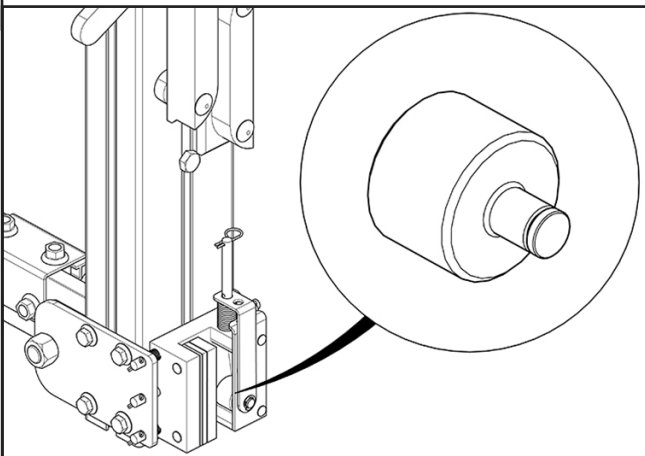
Upper Side Stile – Platform Bracket and Guide Bracket

- Inspect for bending or other damage.
- If bent, straighten the bracket to ensure uniform clearance around the guide rail, or replace if necessary.



Rail Guides – Guide Shoes

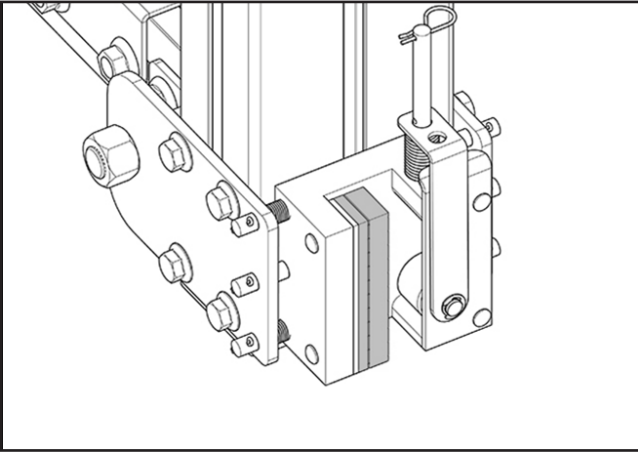
- Replace if gouged or deeply scratched.
- Replace if, at the smallest adjustment setting, the distance between the guide shoe contact faces is greater than 5/8" (16 mm).



Knurled Rollers

- Replace if knurls are worn smooth, have flat spots, or contain gouges.

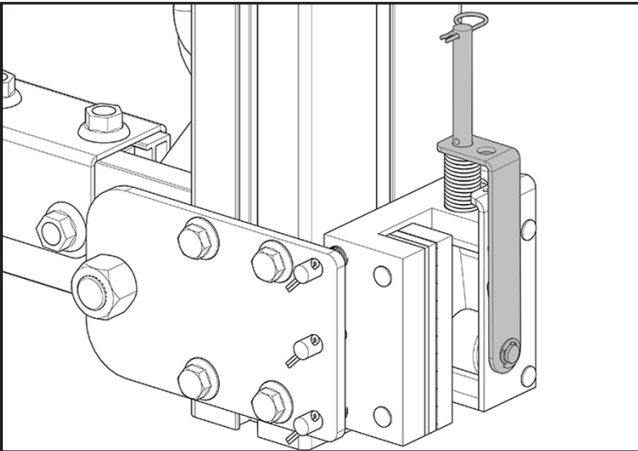
MAINTENANCE



Bronze Spacers

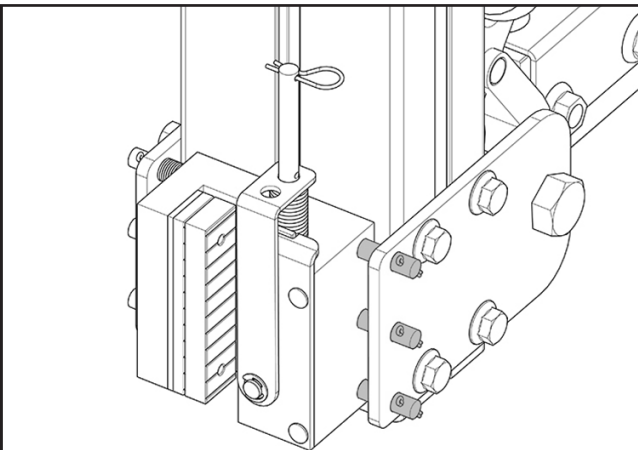
Replace if any of the following apply:

- Combined thickness of both spacers is less than 0.670" (17 mm).
- Grooves on both sides of a spacer are no longer visible.
- Spacer is gouged or deeply scratched.



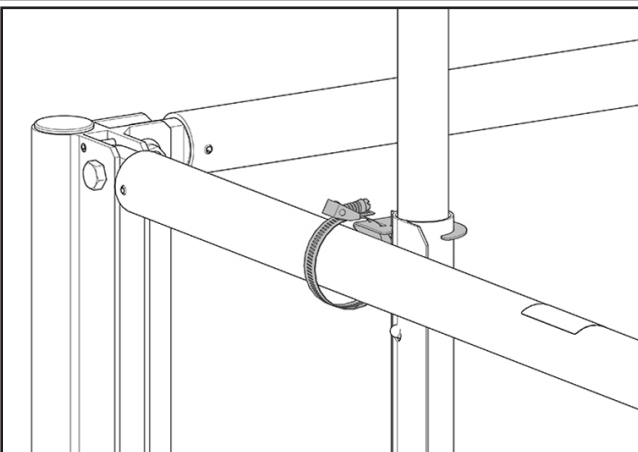
Slide Rod and Roller Linkage

- Replace if bent, deformed, or otherwise prevents smooth movement.
- Inspect the nylon insert and replace if damaged in any way.



Safety Rod & Safety Block – Lower Side Stile

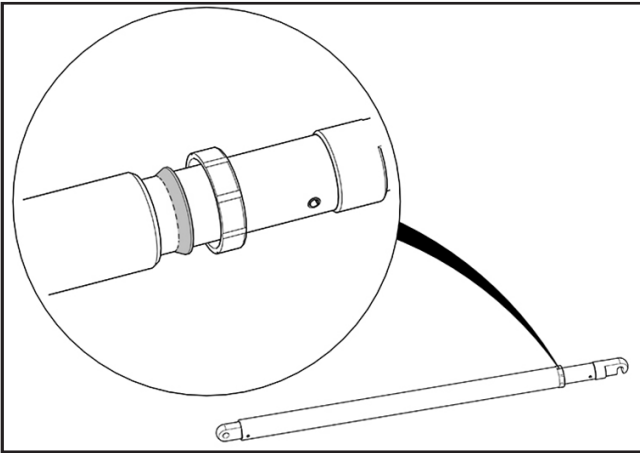
- If the safety block does not slide freely along the safety rods, decommission the false car immediately and replace the safety rods.



Handrail Clamp Assembly

- Inspect the tube clamp; replace if worn, deeply gouged, or otherwise damaged.
- Inspect the canopy grip; replace if bent or damaged.

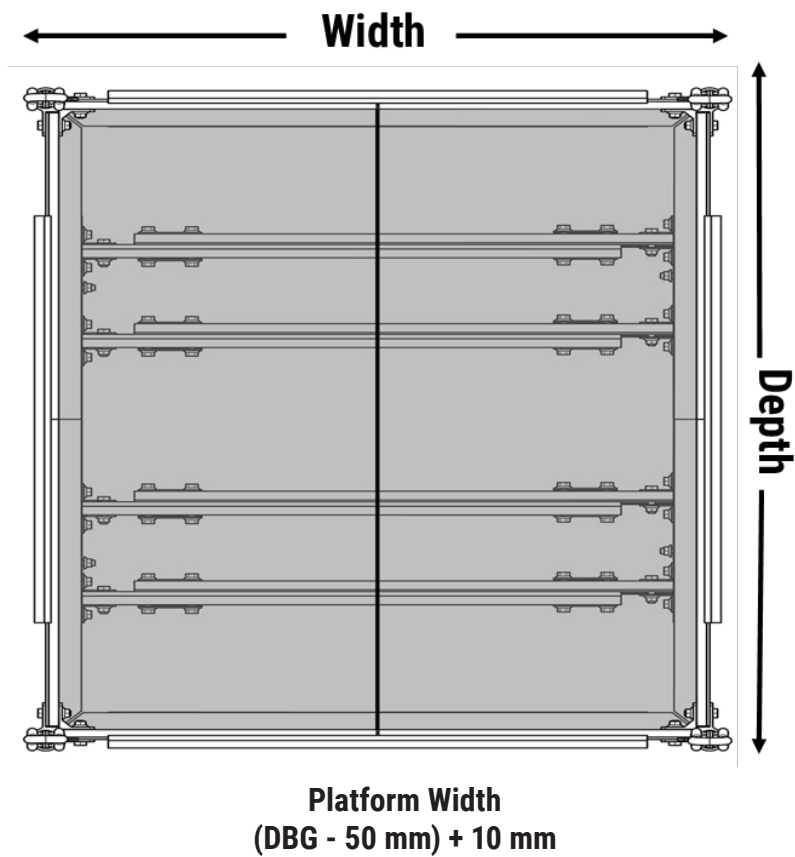
MAINTENANCE



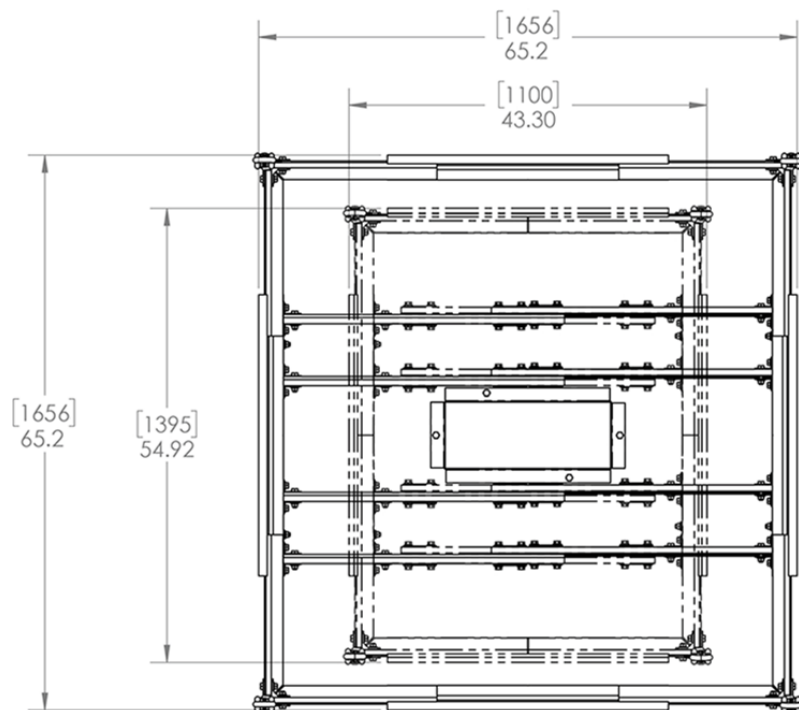
- Replace if the slip-joint nut no longer securely grips the handrail when fully tightened.

PLATFORM CONFIGURATIONS

Platform Type	Configuration 1 - Longer in Width		Configuration 2 - Longer in Depth	
	Min (in/mm)	Max (in/mm)	Min (in/mm)	Max (in/mm)
11-306-K00 - Small (11-307-I00)				
Width	54.9/1395	65.2/1656	43.3/1100	65.2/1656
Depth	43.1/1096	65.2/1656	54.9/1395	65.2/1656
11-306-K01 - Medium (11-307-I01)				
Width	68.3/1735	106.4/2702	63.7/1617	101.8/2585
Depth	63.7/1617	101.6/2580	68.3/1735	106.4/2702
11-306-K02 - Large (11-307-I02)				
Width	75.7/1923	117.8/2991	-	-
Depth	75.7/1923	131.7/3346	-	-

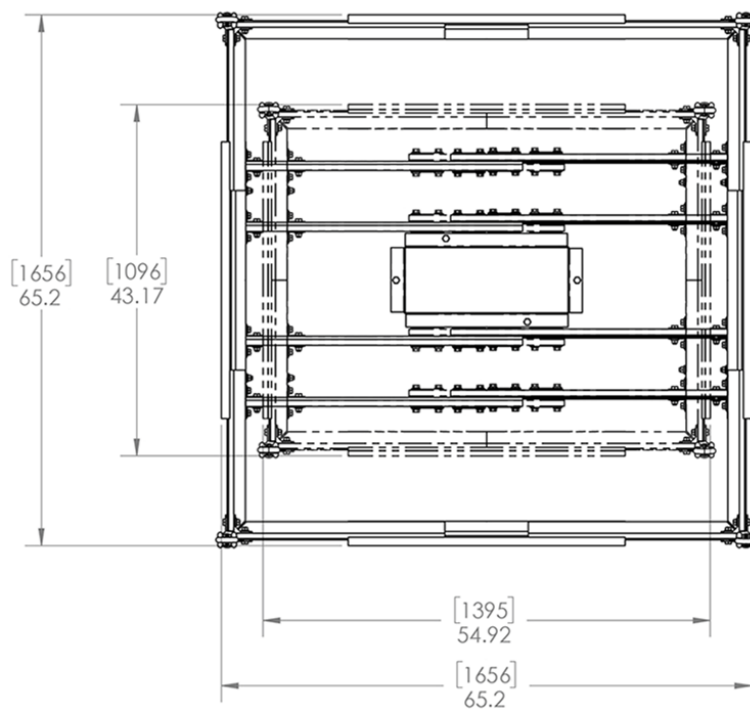


PLATFORM CONFIGURATIONS

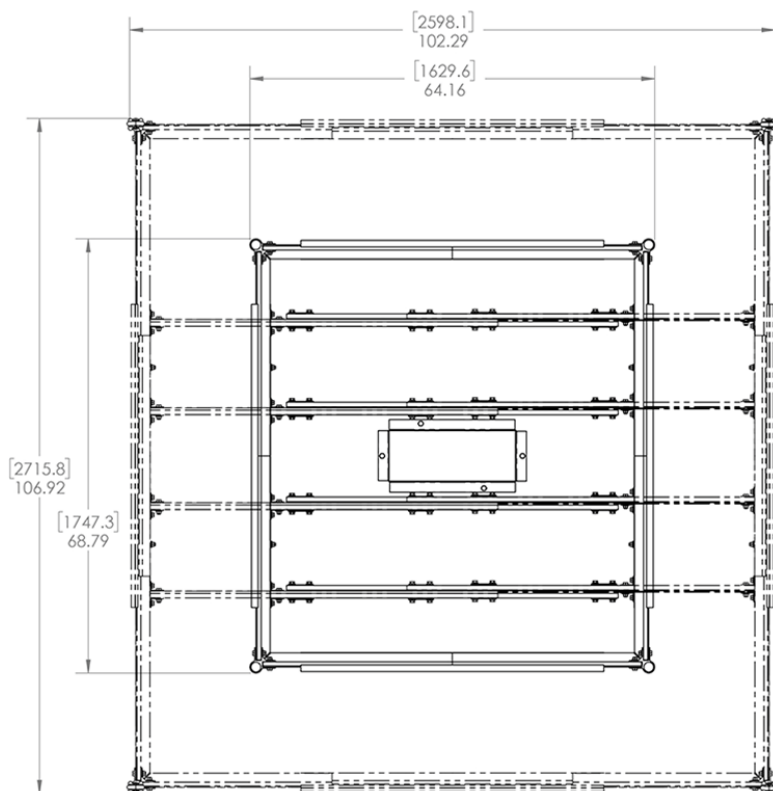


**Platform for Small V2
False Car - Rectangle
Configuration**

**Platform for Small V2
False Car - Square
Configuration**

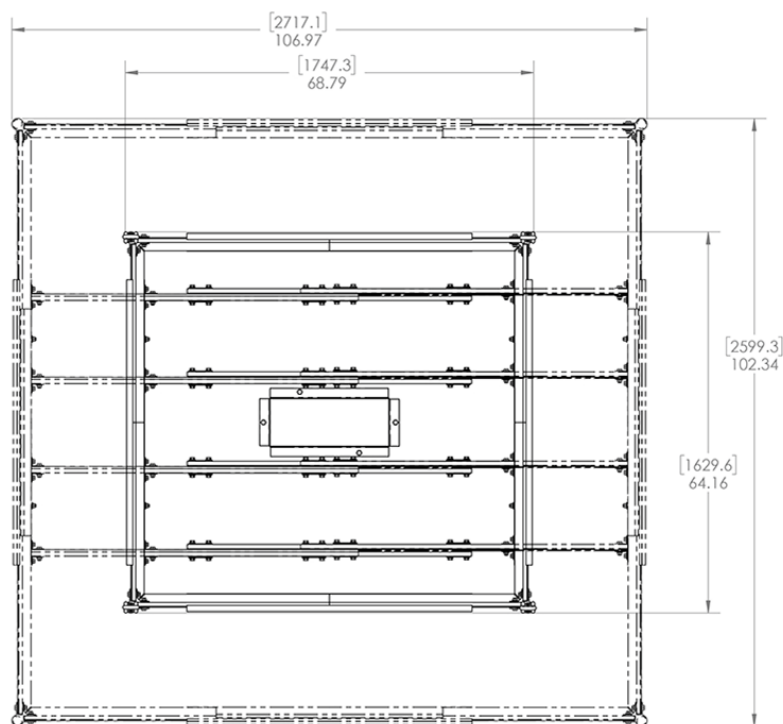


PLATFORM CONFIGURATIONS



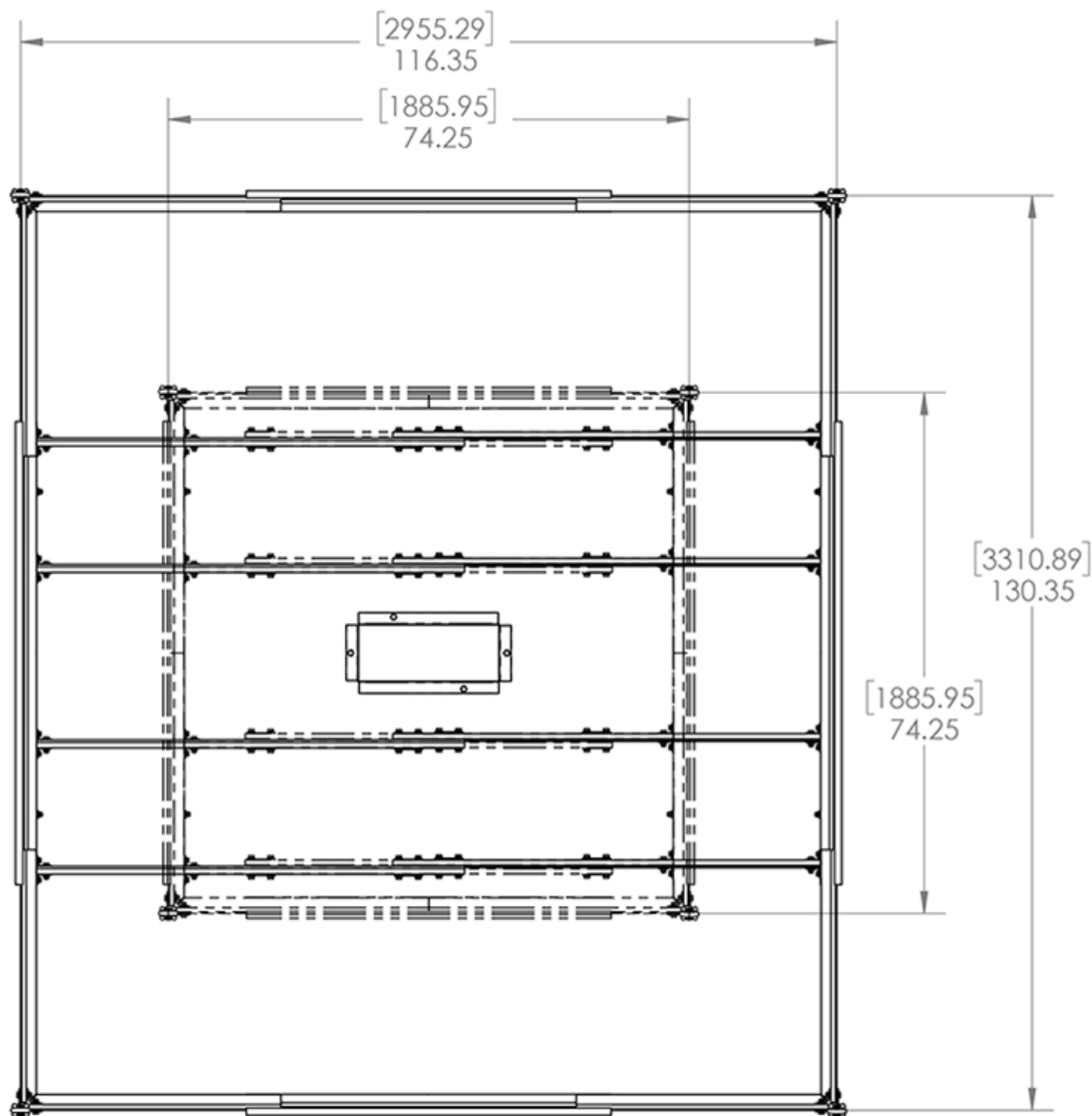
**Platform for Medium V2
False Car - Rectangle
Configuration**

**Platform for Medium
V2 False Car - Square
Configuration**

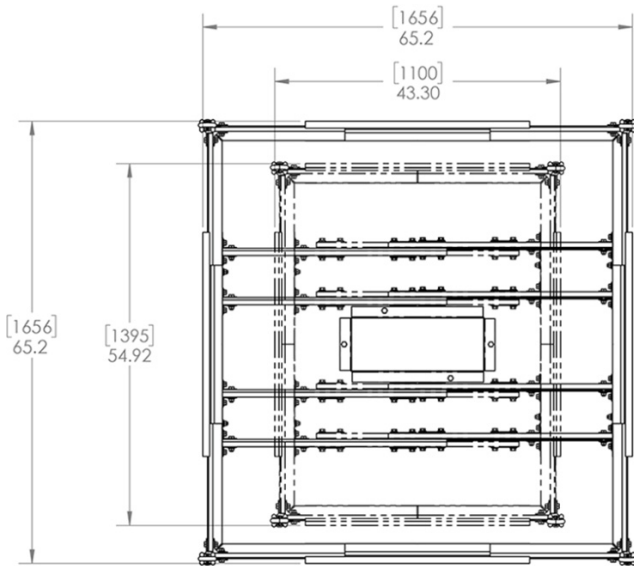


PLATFORM CONFIGURATIONS

Platform for Large V2 False Car - Square Configuration



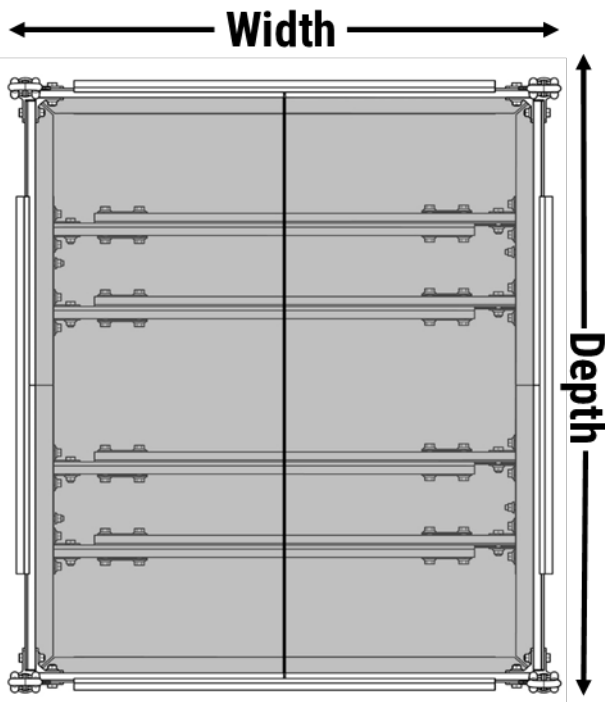
INSTALLATION INSTRUCTIONS - PLATFORM



Step 1: Verifying the Platform Dimensions

Each platform can be adjusted to a minimum and maximum size, and configured as a square or rectangle (V2 False Car - Large Size only has a square configuration).

Choose a platform size/configuration based on the size of the elevator platform. Take counterweight rails and divider beam connections (for multiple elevators in a single hoistway) into consideration when choosing the platform size



Step 2: Cut Plywood for Platform Decking

- Cut two pieces of 3/4" (19 mm) plywood using the following equations:

$$\text{Width} = \text{Platform Width} - 2" \text{ (or 50 mm)}$$

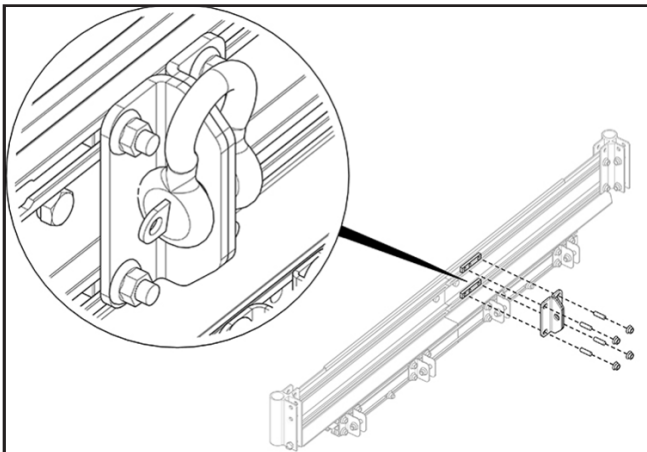
2

$$\text{Depth} = \text{Platform Width} - 2" \text{ (or 50 mm)}$$

⚠ WARNING

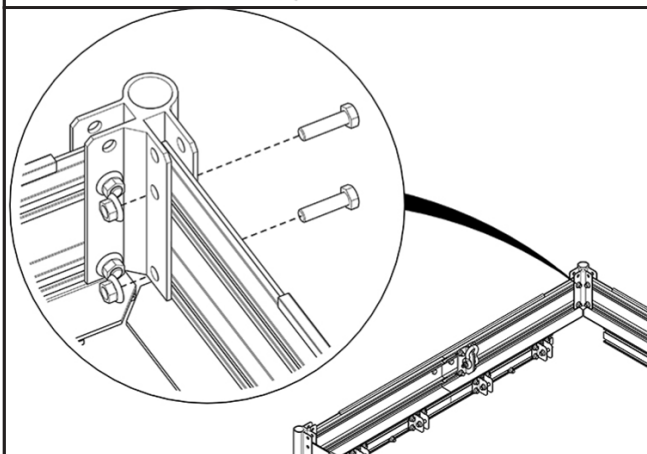
To prevent serious injury or significant damage to equipment, plywood seams must run perpendicular to cross channels on the platform. Channels must run in the width direction.

INSTALLATION INSTRUCTIONS - PLATFORM



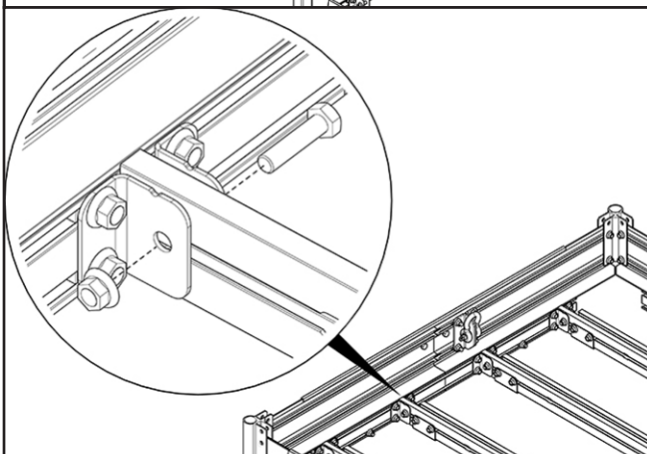
Step 3: Attaching Fall Protection Brackets

- Slide the Tap Bar into the channel on the side profile assembly.
- Screw the two set screws into the tap bars.
- Place one of the brackets onto the set screws.
- Secure the bracket in place with the flange nuts.
- Repeat to attach the other half of the bracket to the side profile.
- Once the bracket is in place, add the shackle to the bracket.
- Repeat these steps for the other side profile assembly.



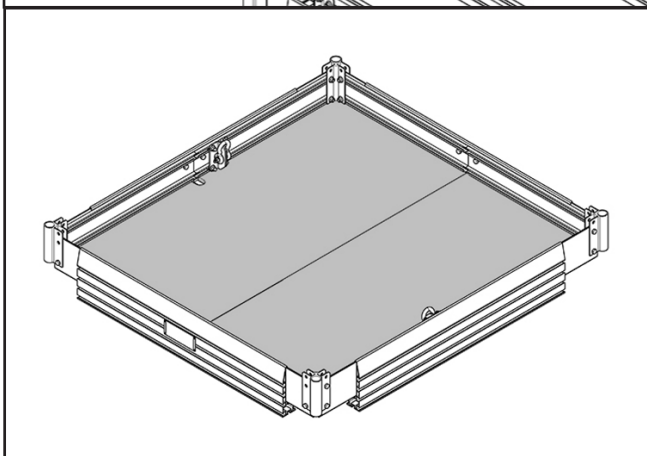
Step 4: Connecting the Front & Side Assemblies

- Install the Front/Rear Profile Assemblies into the Side Profile Assemblies.
- Secure using the two M12 Hex Bolts and Nuts.
- Repeat the previous steps until all four sides of the platform are connected.



Step 5: Attaching Cross Channels

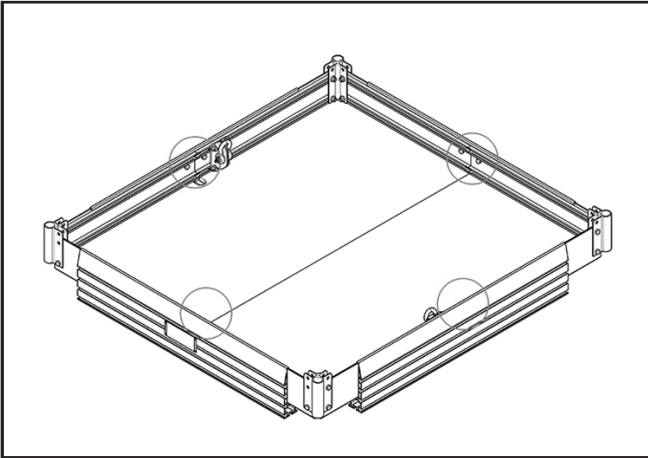
- Place the cross channels into the brackets on the side assemblies.
- Secure using the two M12 Hex Bolts and Nuts.
- Repeat the previous steps until all four cross channels are connected and secured in place.



Step 6: Adding the Plywood

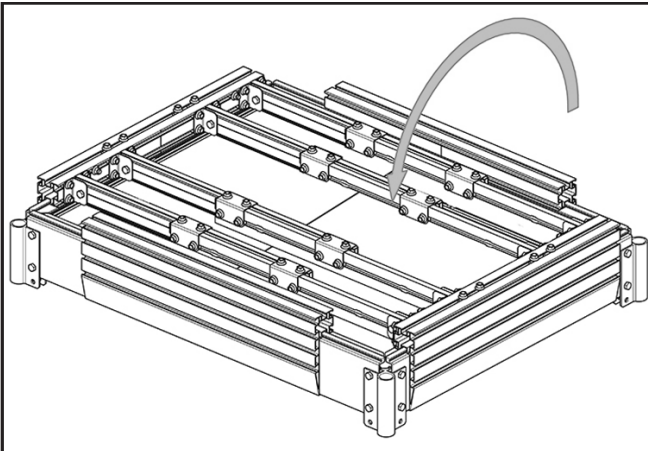
- Insert the pieces of cut plywood into the platform.
- Adjust the corner assemblies so the plywood is held tightly in place.

INSTALLATION INSTRUCTIONS - PLATFORM



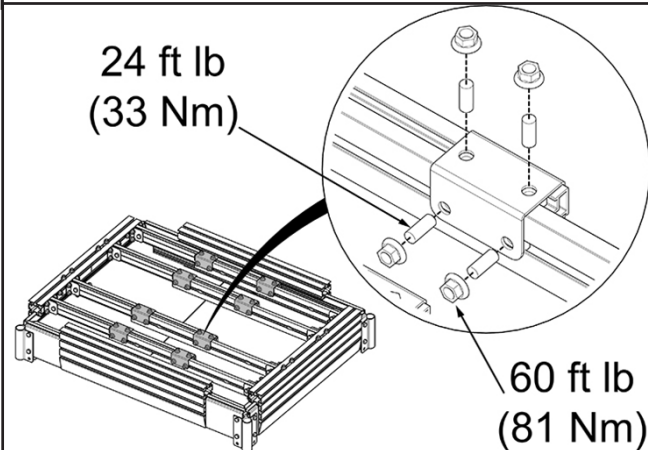
Step 7: Tightening the T-Nuts

- In the center of each of the side and front/rear assemblies are two T-Nuts. Make any final adjustments to the assemblies, then tighten the T-Nuts.



Step 8: Flipping the Platform

- Using two people, carefully flip the platform over.



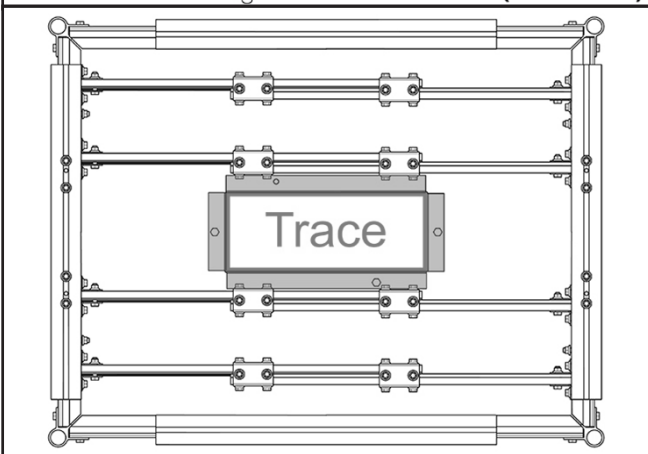
Step 9: Tighten the Cross Channel Clamps

⚠ WARNING

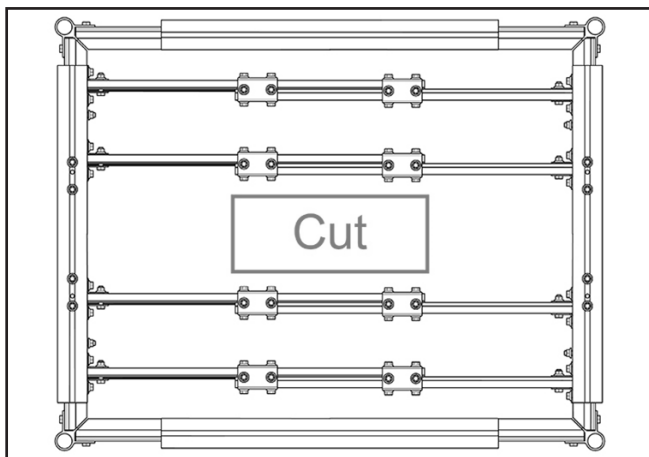
- *NOTE: Failure to properly tighten fasteners on the Cross Channel Clamps could result in death or serious injury.
- Make any final adjustments to the platform width dimension and tighten cross channel clamps onto the cross channels.
- Tighten set screws to 24 ft lbs (33 Nm).
- Tighten hex nuts to 60 ft lbs (81 Nm).
- Repeat until the fasteners on all cross channel clamps are tightened.

Step 10: Tracing the Kickplate Hole

- Mark the rail centerline location on the bottom of the plywood.
- Set the kick plate onto the plywood, and align it with the centerline mark.
- Trace the inside of the kickplate.

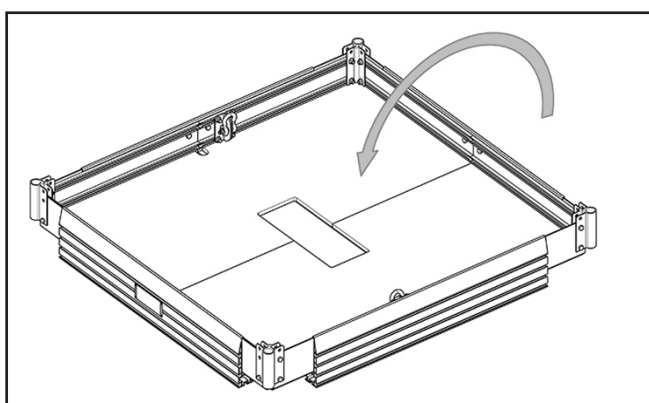


INSTALLATION INSTRUCTIONS - PLATFORM



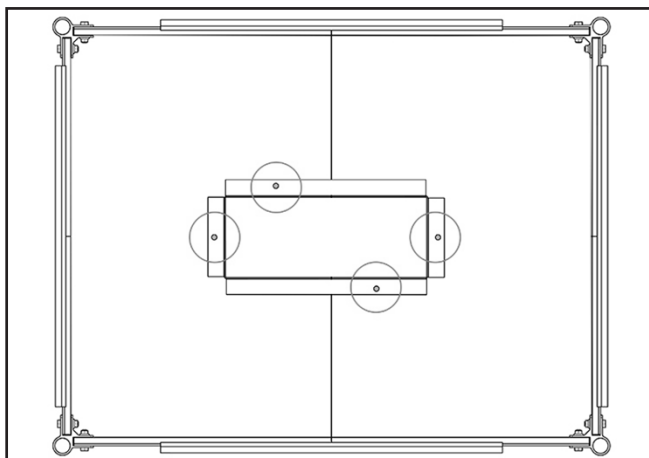
Step 11: Cutting the Kickplate Hole

- Remove two of the cross channels near the traced kick plate lines.
- Cut a rectangular hole on the traced kick plate lines.
- Reattach the two cross channels that were removed, ensuring the cross channels are not spaced more than 12" (305 mm).



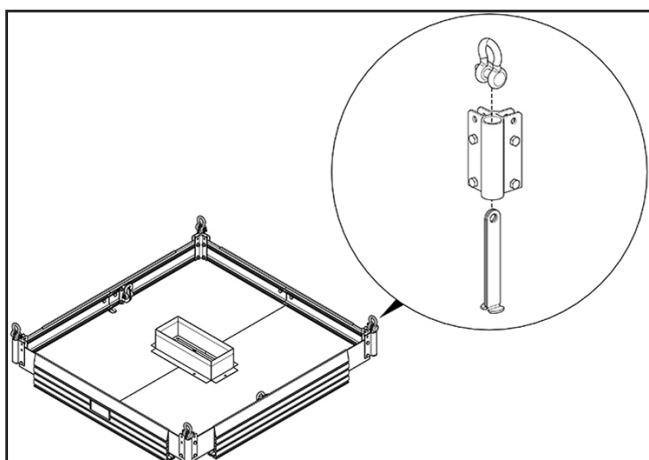
Step 12: Flipping the Platform

- Using two people, carefully flip the platform over.



Step 13: Attaching the Kickplate

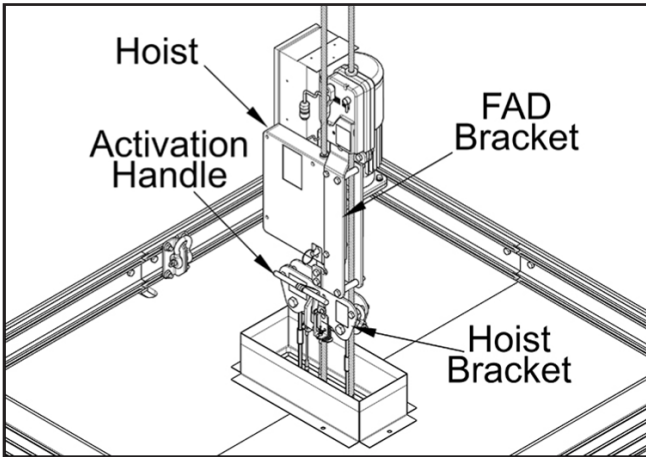
- Align the kickplate sections with the hole in the platform.
- Mark the holes in the kickplate, and remove the sections.
- Drill holes.
- Mount the kickplate template using the M12 hex bolts and nuts.



Step 14: Attaching the Hoisting Shackles

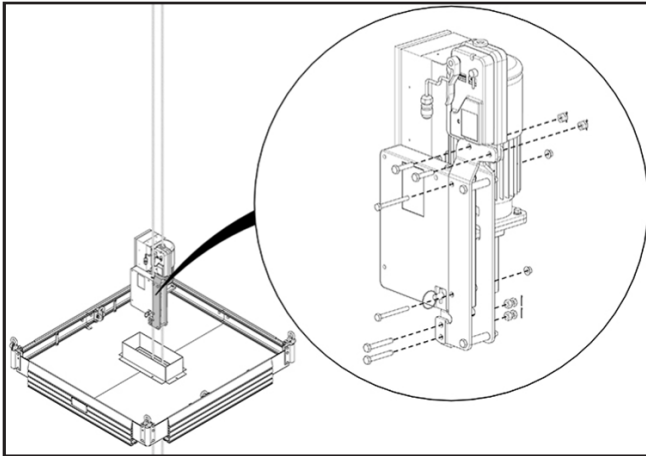
- Insert the two picking inserts up through the corner brackets.
- Attach the shackle through the hole in the picking inserts.
- Repeat for all four corners.

INSTALLATION INSTRUCTIONS - PLATFORM



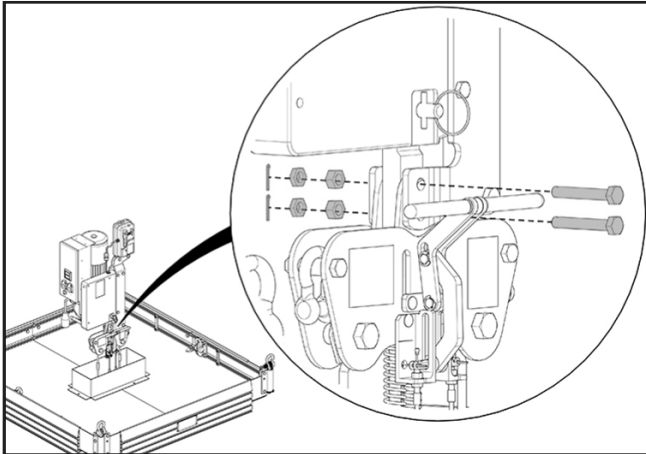
Step 15: Connecting the Hoist

- Install the man riding platform mounted hoist on the primary and secondary ropes. Ensure that the wide part of the hoist is facing the larger depth dimension of the platform (usually the counterweight side of the hoistway).



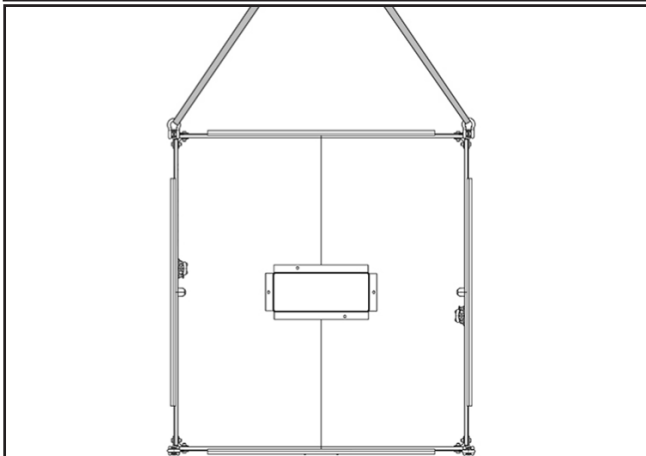
Step 16: (Optional) Attaching the FAD Bracket

- Loosen hardware, then attach the FAD Bracket to the hoist.
- Secure in place by re-tightening the hardware.



Step 17: Attaching the Hoist Bracket

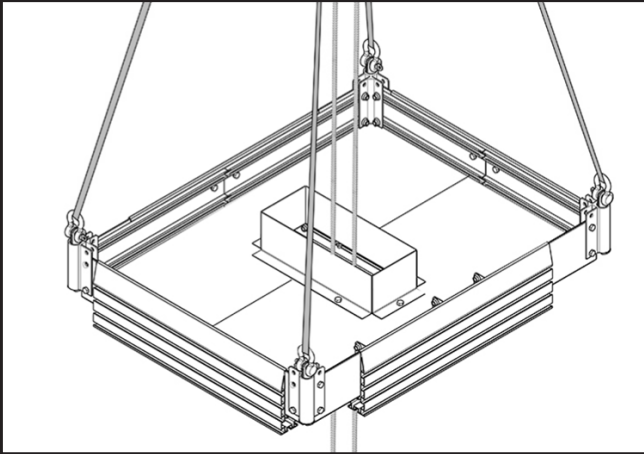
- Attach the False Car Hoist Bracket between the False Car Adapter and the FAD Bracket on the hoist.
- Ensure the Activation Handle is in the upright position.



Step 18: Preparing the Platform for Hoisting

- Connect two web slings to the hoisting shackles on the outer edge of the platform.
- Hoist the platform into the hoistway using the previously installed platform hoist.
- Once the platform is aligned in the proper orientation within the hoistway, lower the platform to the pit floor.

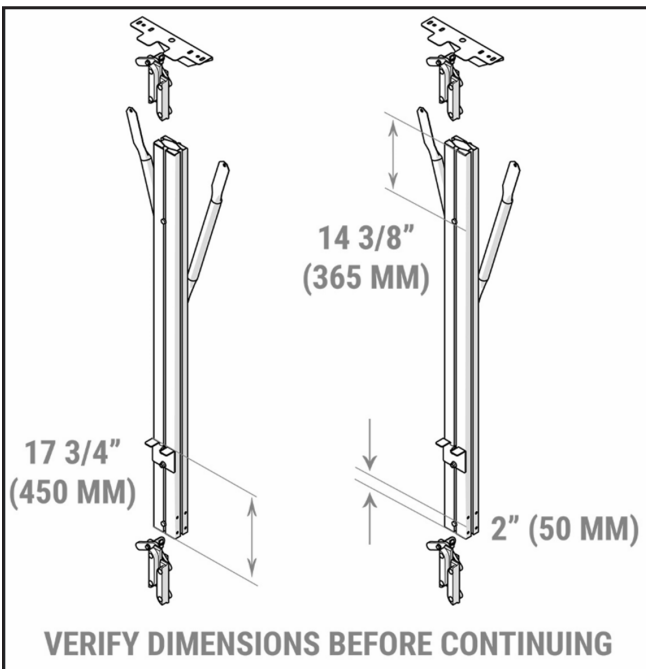
INSTALLATION INSTRUCTIONS - PLATFORM



Step 19: Hoisting the Platform

- Attach the remaining two web slings to the hoisting shackles on the platform so there are four web slings supporting the platform.
- Hoist the platform overhead while pulling the primary and secondary ropes, false car hoist ropes, and safety retraction cables through the hole in the middle of the platform.
- *NOTE: Hoist the platform high enough to accommodate the installation of the side stiles.

INSTALLATION INSTRUCTIONS - UPPER SIDE STILES

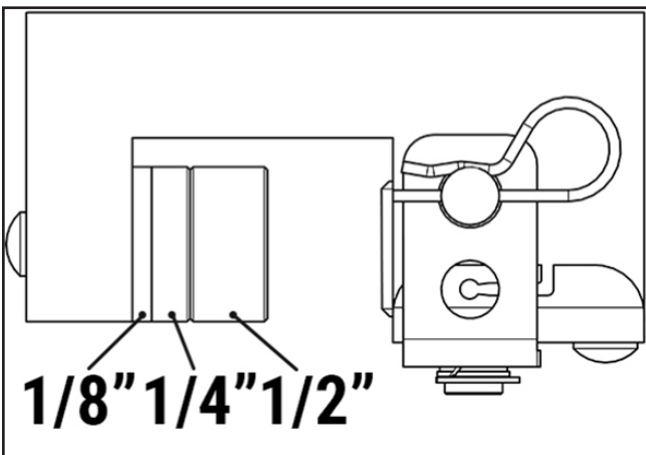


NOTICE

***NOTE: Repeat all steps for both Side Stiles.**

***NOTE:** Set the Lower Side Stiles to the side while assembling the Upper Side Stiles. After unpacking the Upper Side Stiles, check the following dimensions before beginning assembly:

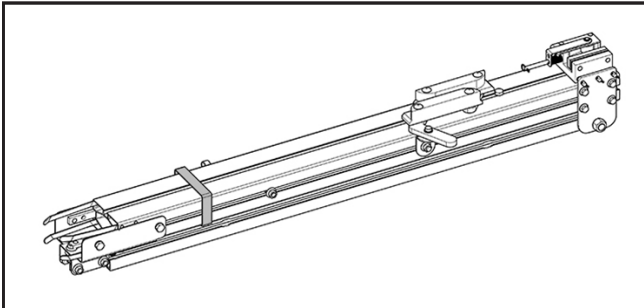
- 17 3/4" (450 mm) from the top of the Guide Plate to the bottom of the Side Stile.
- 2" (50 mm) from the bottom of the Side Stile to the top of the bolt holding the lower Rail Guide to the Side Stile.
- 14 3/8" (365 mm) from the top of the Side Stile to the top of the bolt holding the upper Rail Guide to the Side Stile.



Step 1: Loosening the Hardware

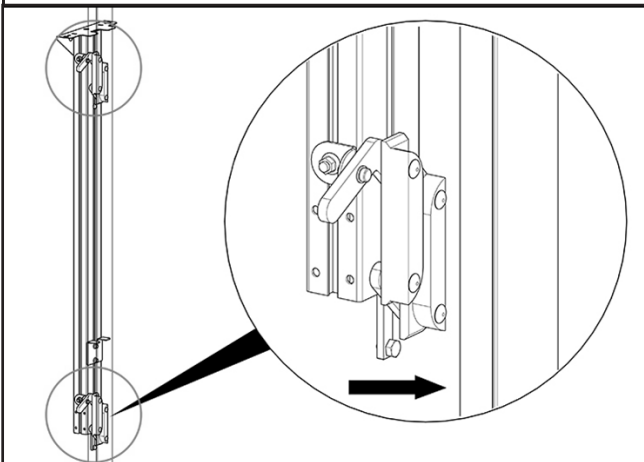
- On the upper side stile, loosen both socket screws and nuts on the rail guide levers. DO NOT REMOVE.
- Once the hardware is loosened on both guide rails, the guide rail levers should move easily.

INSTALLATION INSTRUCTIONS - UPPER SIDE STILES



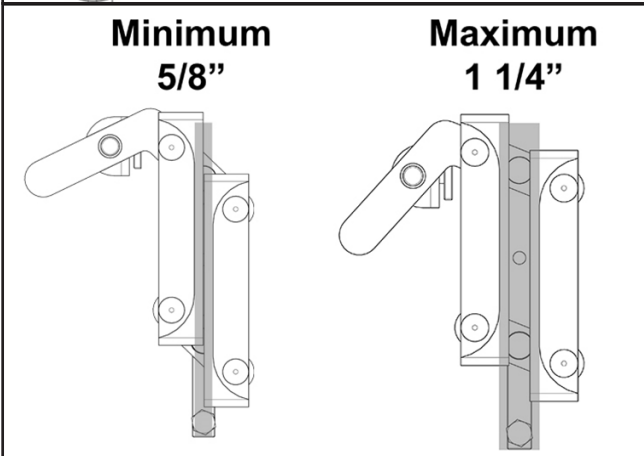
Step 2: Removing Straps from Lower Side Stiles

- Remove the Lower Side Stiles from the packing crate.
- Remove the straps from each of the Lower Side Stiles. Set aside.



Step 3: Seating the Rail

- Push the guide rail levers down to loosen the guide shoes.
- Seat the nose of the rail between both guide shoes on the upper side stile.

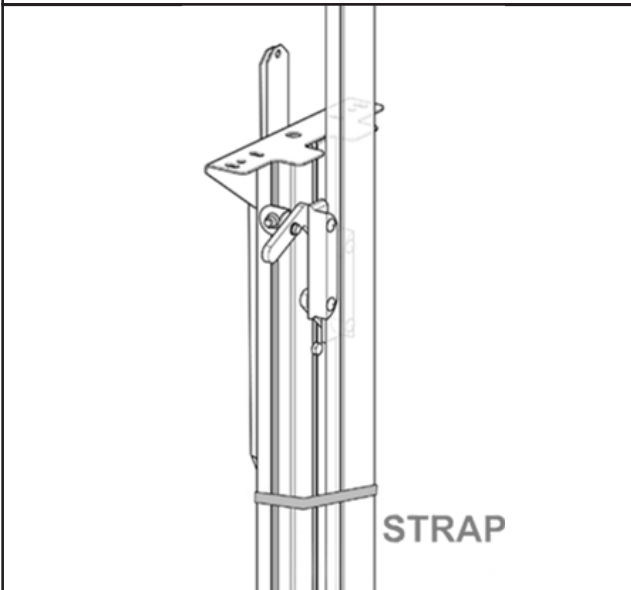


NOTICE

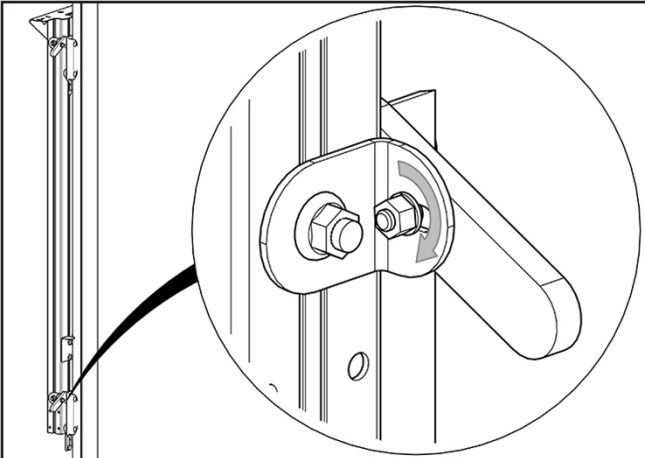
*NOTE: The minimum measurement between the Guide Shoes is 5/8". The maximum allowable amount is 1 1/4". Ensure the rails are between these two tolerances.

Step 4: Strapping the Upper Side Stile

- Once the rail is seated between both sets of guide shoes, strap the upper side stiles to the rail as shown.

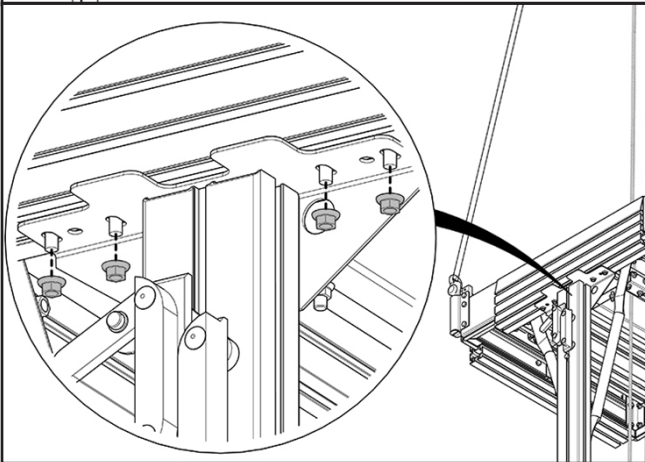


INSTALLATION INSTRUCTIONS - UPPER SIDE STILES



Step 5: Securing the Rail Guide Lever

- Push the Rail Guide Lever upwards until the Guide Shoes are firm against the rail.
- Tighten the loosened hardware to secure the Lever in place.
- Verify all hardware is tightened.

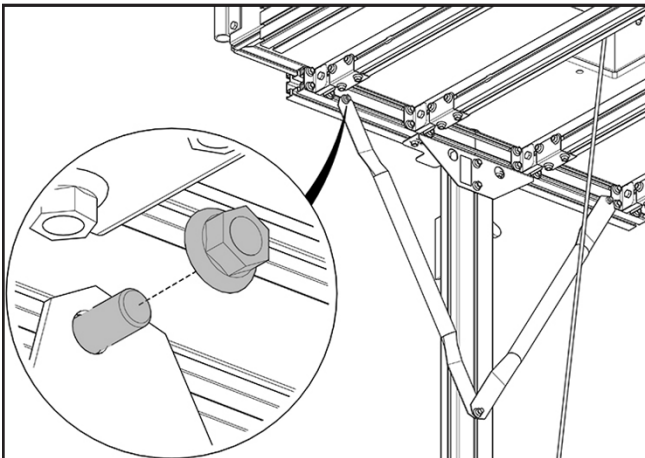


Step 6: Connect the Side Stile to Platform

- Lower the platform to a height where the Upper Side Stiles can be installed.
- Remove the hex flange nuts underneath the platform.
- Align the holes on the Upper Side Stile with the bolts on the underside of the platform. *NOTE: Before attaching the Upper Side Stiles to the platform, ensure the center groove on the Side Stile aligns with the centerline on the platform.
- Secure the Upper Side Stile with the hex flange nuts.

⚠ CAUTION

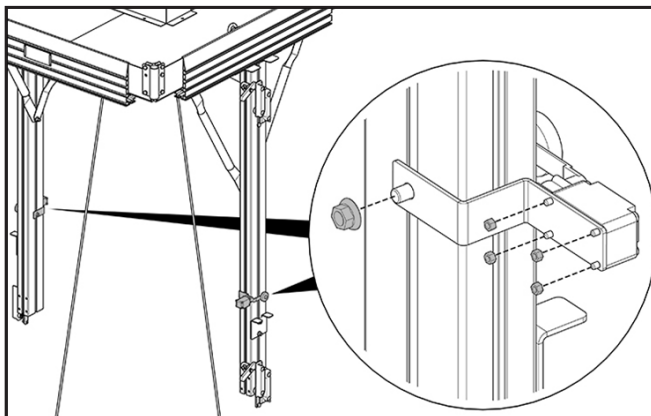
Pinch Point: Keep hands clear or Injury may occur.



Step 7: Attaching the Platform Supports

- On the Upper Side Stiles, unfold the Platform Supports.
- Remove the hardware on the underside of the platform.
- Connect the Platform Supports to the underside of the Platform using the removed hardware to secure them in place.

INSTALLATION INSTRUCTIONS - UPPER SIDE STILES

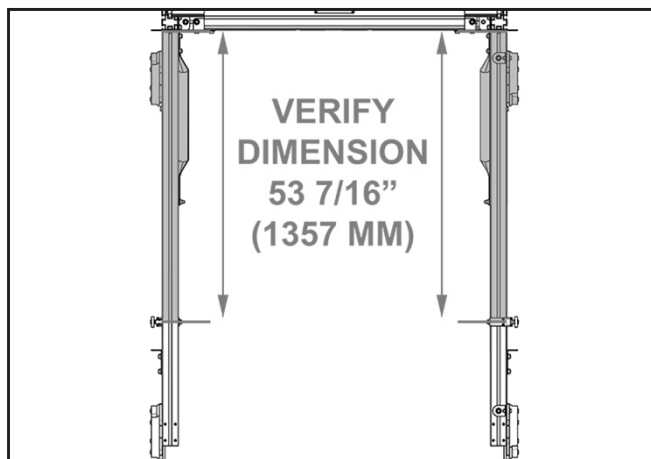


WARNING

Failure to properly connect the side stiles to the platform could result in serious injury or death.

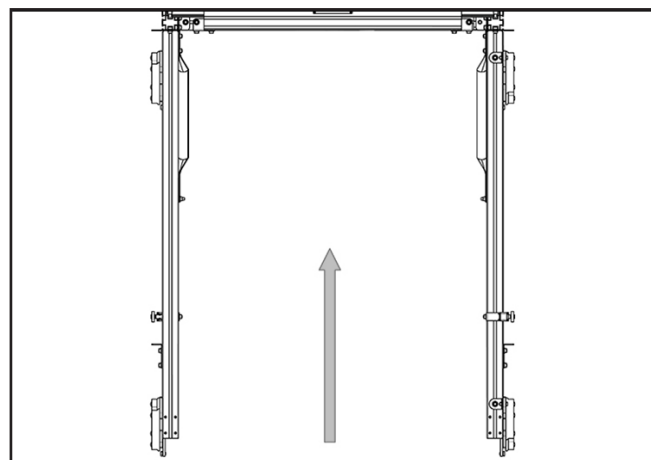
Step 8: Attaching the Switch and Switch Bracket

- Install the Rail End Switch Bracket and Switch as indicated.
- Read the installation instructions provided with the hoist, then wire the Safety Switch into the hoist's safety circuit.
- *NOTE: Safety Switch is supplied by the hoist supplier and is not included with the V2 False Car.



Step 9: Verifying the Dimension

- Measure from the top of the Upper Side Stile to the bolt holding the Rail End Switch Bracket. It should measure 53 7/16".
- Adjust the bracket if needed.



Step 10: Hoisting the Platform

- Remove the straps from the Upper Side Stiles.
- Hoist the platform back upwards to make room for the Lower Side Stile installation.

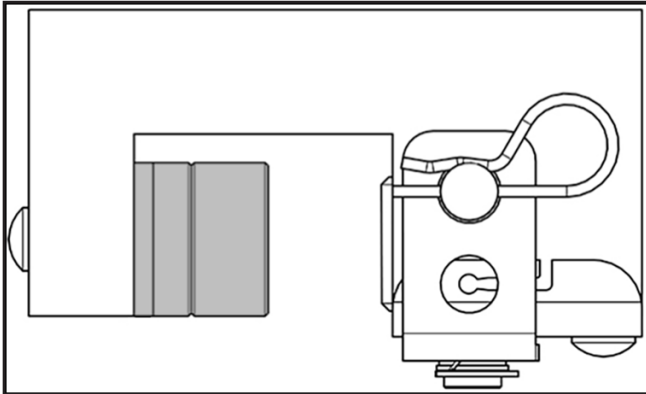
INSTALLATION INSTRUCTIONS - LOWER SIDE STILES

NOTICE

*NOTE: Repeat all steps for both Side Stiles.

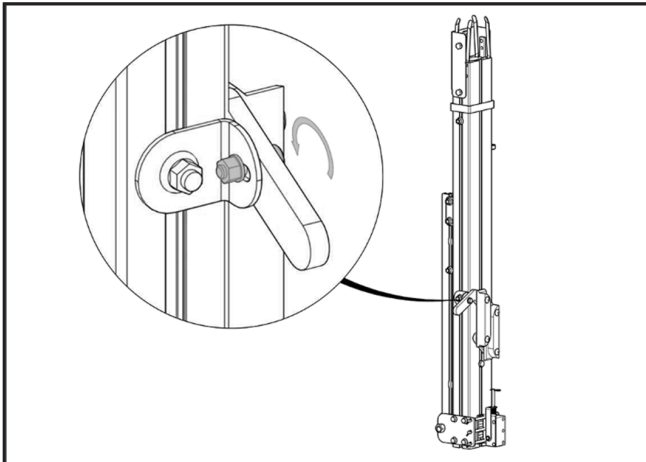
Step 1: Check the Safety Block Configuration

- Ensure that the spacer is in the proper location for the rail size on the Lower Side Stile Safety Block. Refer to the table on the Safety Block Adjustment page.



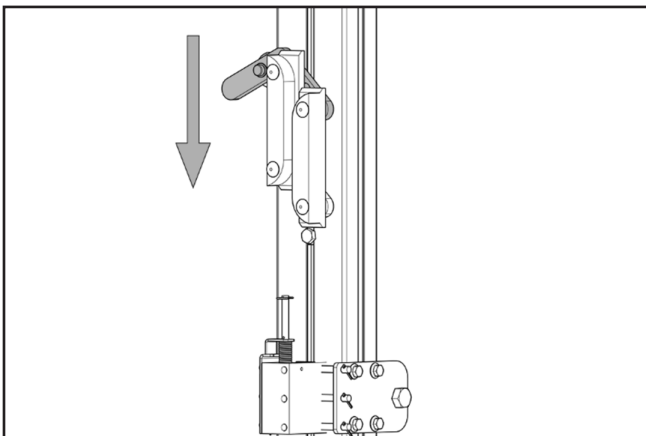
Step 2: Loosening the Hardware

- On the Rail Guide Lever, loosen the socket screw and nut. DO NOT REMOVE.



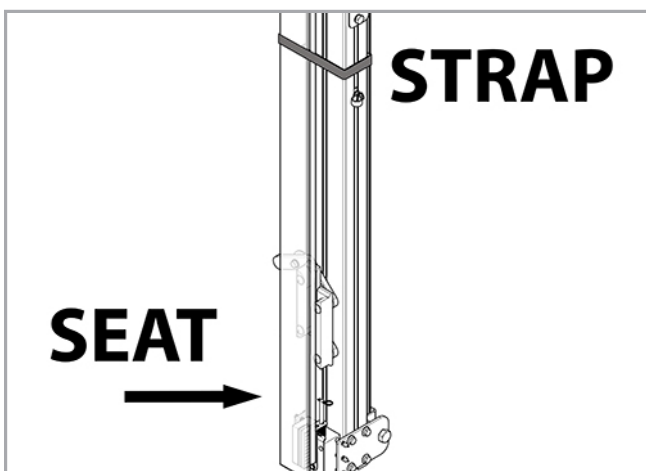
Step 3: Releasing the Guide Shoes

- Push the Rail Guide Lever downwards to release the guide shoes.

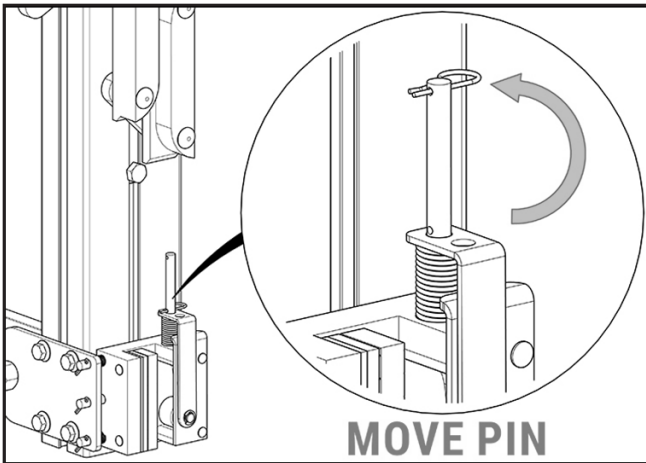


Step 4: Securing the Side Stile to the Rails

- Move the Side Stile onto the Rail. Ensure the rail fits snugly into the safety block and guide shoes.
- Strap the Lower Side Stiles to the rails.

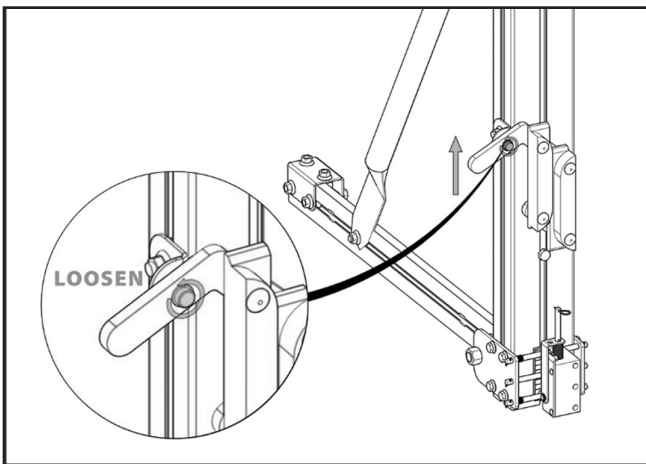


INSTALLATION INSTRUCTIONS - LOWER SIDE STILES



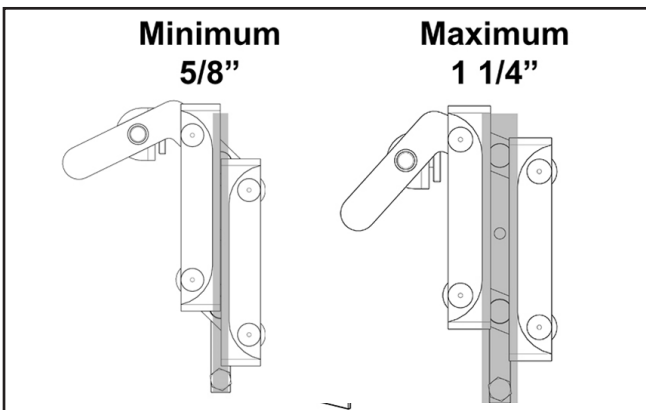
Step 5: Release the Safety Block Roller Linkage

- On the Safety Block, remove the Cotter Pin from the lower hole on the slide rod, and place it in the upper hole.
- *NOTE: If the Cotter Pin is difficult to remove from the lower hole, compress the roller linkage and have another person insert the pin into the top hole.



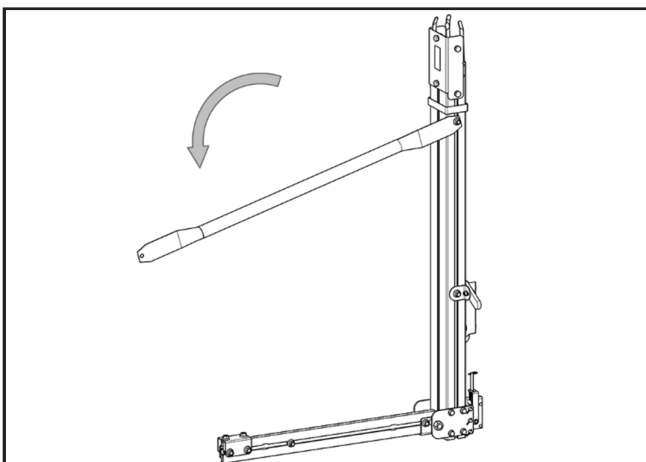
Step 6: Securing the Rail Guide Lever

- Push the Rail Guide Lever upwards until the Guide Shoes are firm against the rail.
- Tighten the loosened hardware to secure the Lever in place.



NOTICE

*NOTE: The minimum measurement between the Guide Shoes is 5/8". The maximum allowable amount is 1 1/4". Ensure the rails are between these two tolerances.



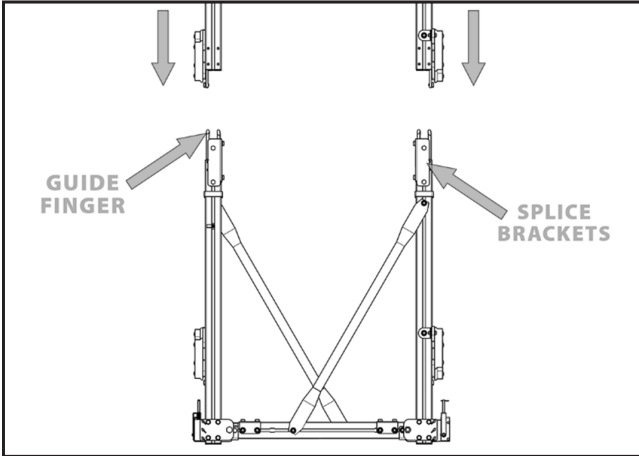
Step 7: Unfolding the Lower Side Stiles

- Unfold the Cross Channel and Diagonal Brace from both Lower Side Stiles.

⚠ CAUTION

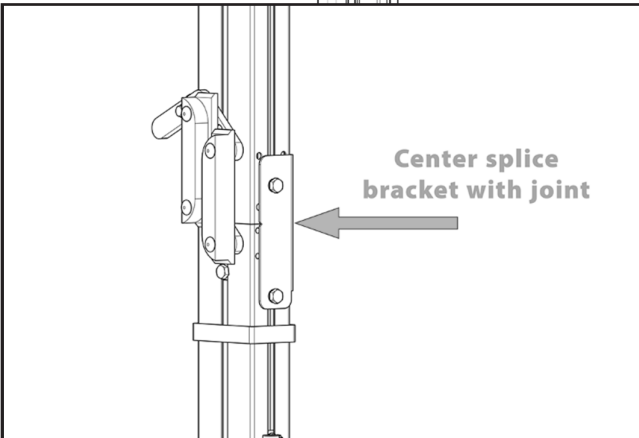
Pinch Point, keep hands clear! Injury may occur.

INSTALLATION INSTRUCTIONS - LOWER SIDE STILES



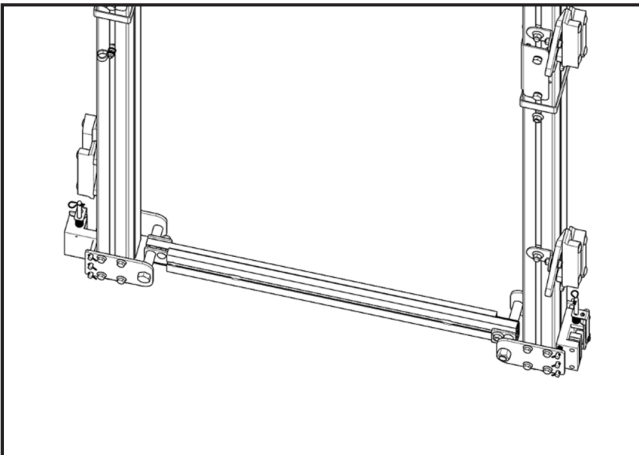
Step 8: Connect the Lower and Upper Side Stiles

- Lower the upper side stile assembly downwards and over the guide fingers on the lower side stiles. Ensure both stiles are firmly connected.



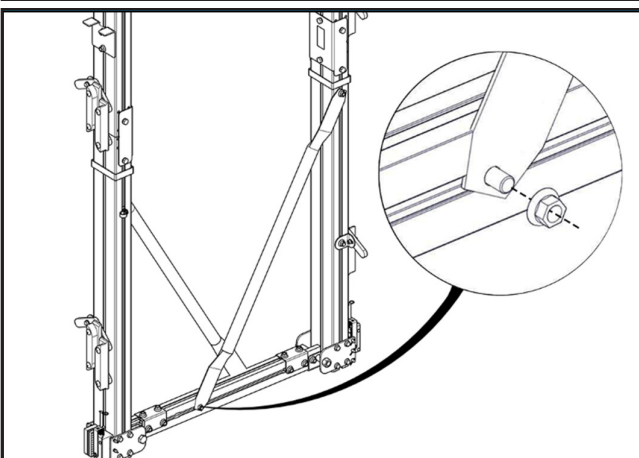
Step 9: Attaching the Splice Joints

- Loosen the hardware on the splice brackets and slide them over the joint. Align the center marks precisely with the joint, then securely tighten all splice joint hardware.
- After the splice brackets are attached, raise the False Car until it's at a comfortable working height.



Step 10: Connecting the Cross Channel Clamps

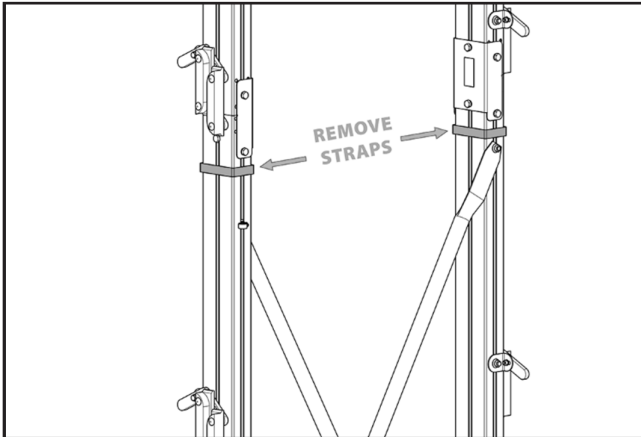
- Position the cross channels so they lay directly next to each other.
- Loosen the hardware on the Cross Channel Clamps, then slide them into position so they securely cover both cross channels, as shown.
- Retighten the clamp hardware.



Step 11: Connect the Diagonal Braces

- Lower the Diagonal Brace until its hole aligns with the groove in the Cross Channel.
- Insert the cap screw into the channel groove, then pass it through the hole in the Diagonal Brace.
- Secure both braces firmly with hex flange nuts.

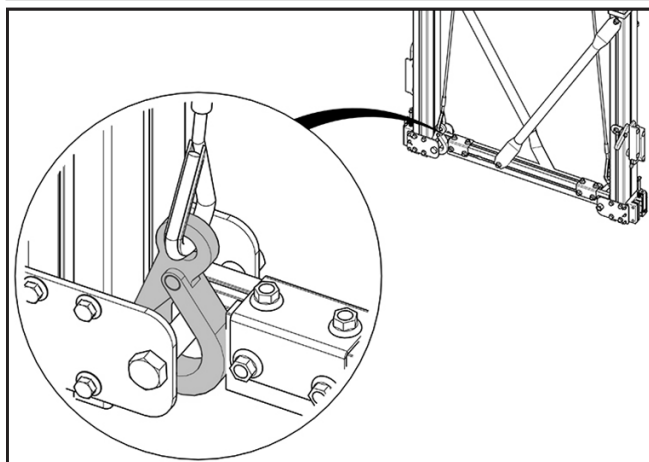
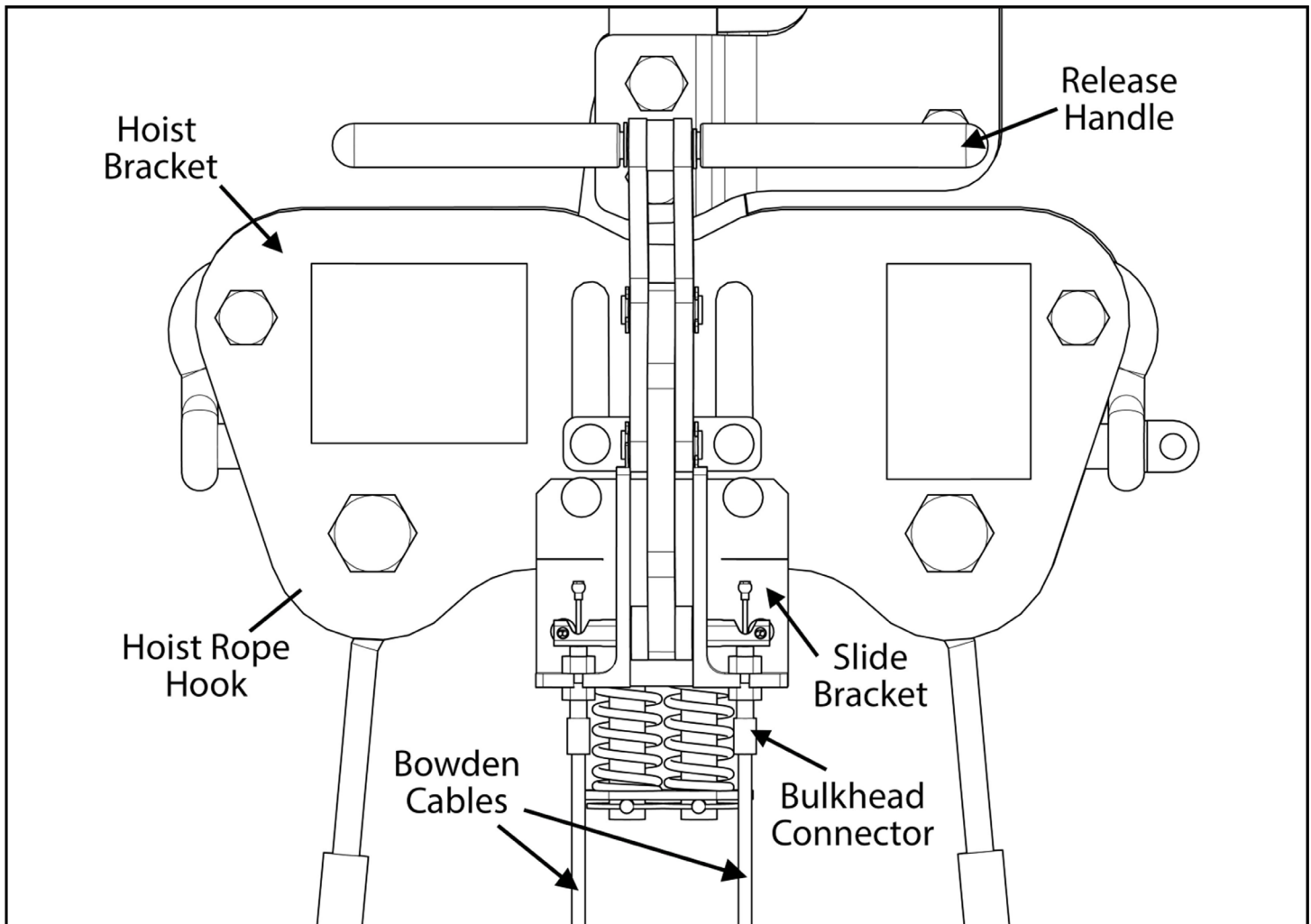
INSTALLATION INSTRUCTIONS - LOWER SIDE STILES



Step 12: Remove the Straps

- Remove the straps that fasten the lower side stiles to the rails.
- Lower the False Car back to the bottom of the pit.

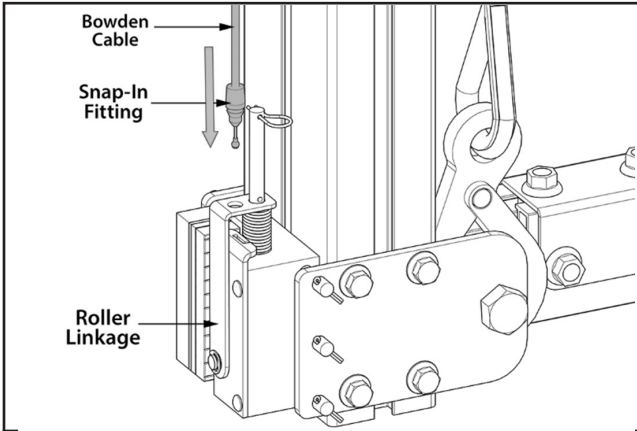
INSTALLATION INSTRUCTIONS - HOIST AND CABLES



Step 1: Attach the Hoist Rope Hooks (Lower)

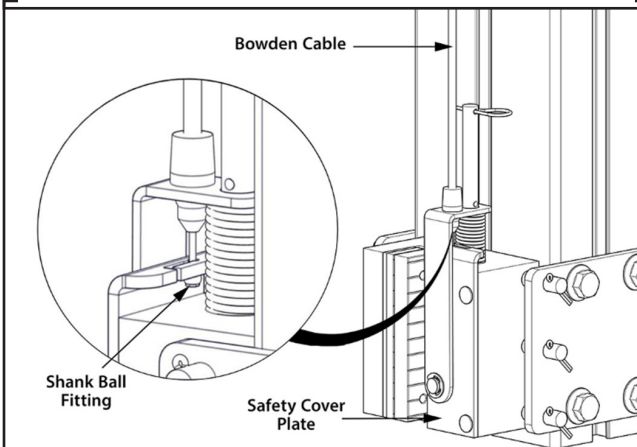
- Attach a Hoist Rope Hook to the bolt on each lower side stile to create secure hoisting points for the False Car.

INSTALLATION INSTRUCTIONS - HOIST AND CABLES



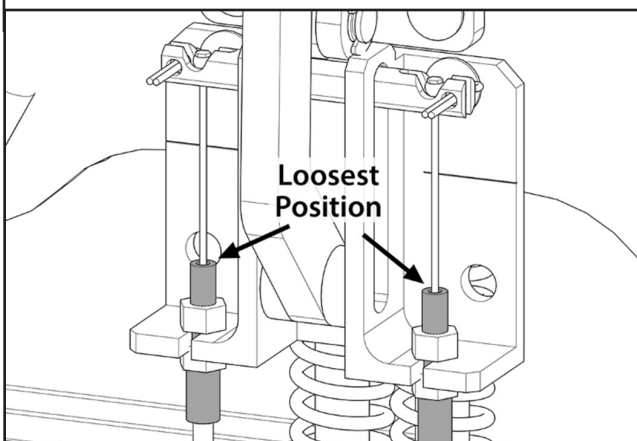
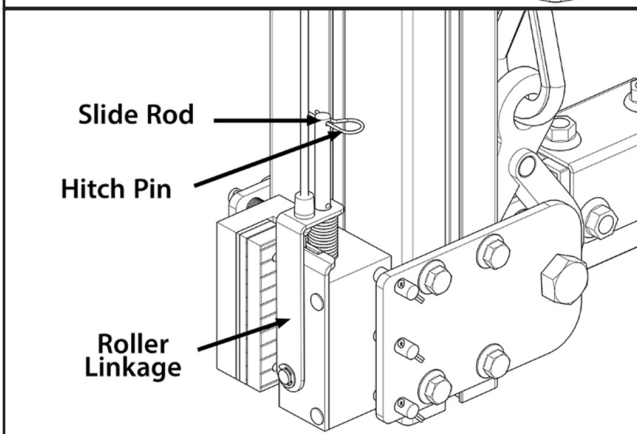
Step 2: Connect the Bowden Cable

- Feed the Bowden cable through the hole on the roller linkage. Ensure the snap-in fitting is fully inserted into the roller linkage.



Step 3: Install the Shank Ball Fitting

- Insert the Shank Ball Fitting of the Bowden Cable into the Safety Cover Plate on the safety block of the lower side stile.
- After attaching the hoist cables, raise the False Car to the landing. Step onto the platform to adjust the safety mechanisms on the hoist bracket.



NOTICE

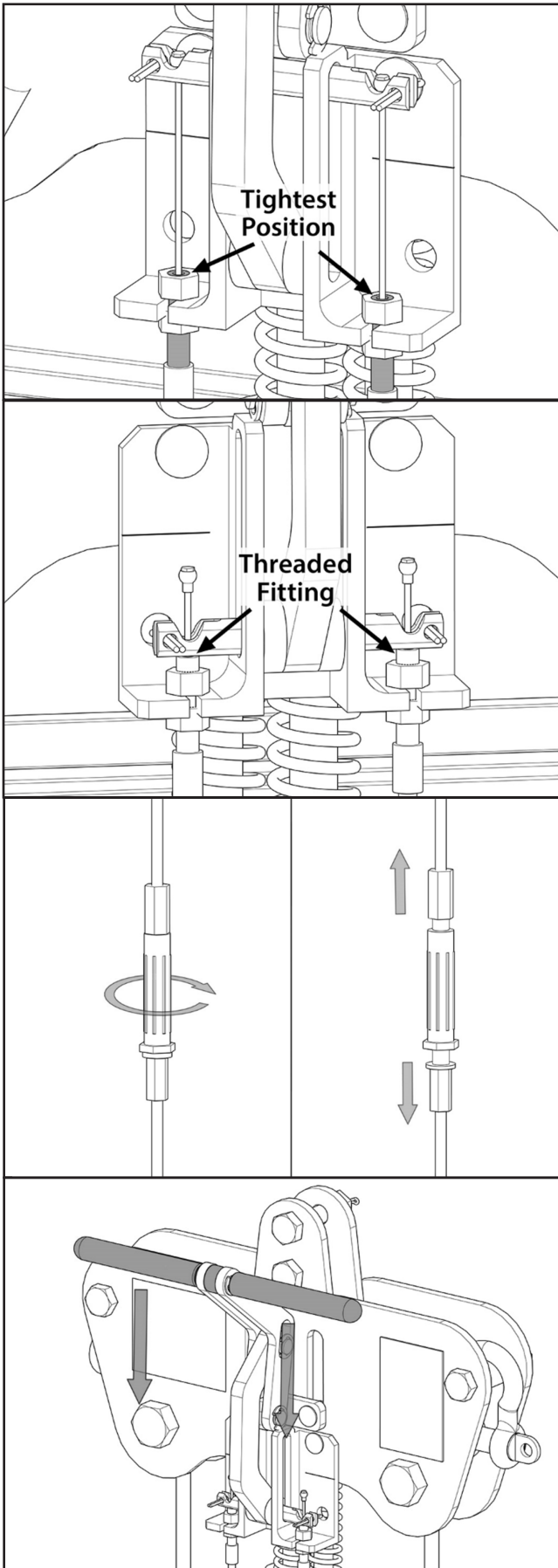
Safety Adjustments

- When the safety mechanism is properly adjusted, the hitch pin in the lower hole of the slide rod should be close to, but not touching, the roller linkage. This should occur when the bracket release handle is in the upper (Retracted) position and the weight of the false car is fully supported by the hoist ropes.

Loosening the Bowden Cable

- To adjust the Bowden Cable, start by adjusting the nuts on the bulkhead connectors located on the hoist bracket. This adjustment allows you to modify the length of the outer sheath in relation to the inner cable.
- *NOTE: If the roller linkage has been pulled down too far, making the cable difficult to retract, the cable is too tight. To correct this, loosen the lower nut and then tighten the upper nut down to the slide bracket.

INSTALLATION INSTRUCTIONS - HOIST AND CABLES



Tightening the Bowden Cable

- If the roller linkage is not pulled down far enough, the cable is too loose. To adjust, loosen the upper nut, then tighten the lower nut up to the slide bracket on the hoist bracket.

Large Bowden Cable Adjustment

- If the Roller Linkage remains too loose and is not being pulled down far enough, readjust the nuts so that the Slide Bracket is positioned in the center of the threaded fitting. Then, adjust the Bowden Cable Adjuster Assembly, located approximately 36" (915mm) from the lower end of the lower Side Stile.

Bowden Cable Adjuster Operation

- To adjust the cable tension, hold one end of the adjuster steady while turning the middle section clockwise to lengthen and tighten the cable. To shorten and loosen the cable, turn the middle section counterclockwise.

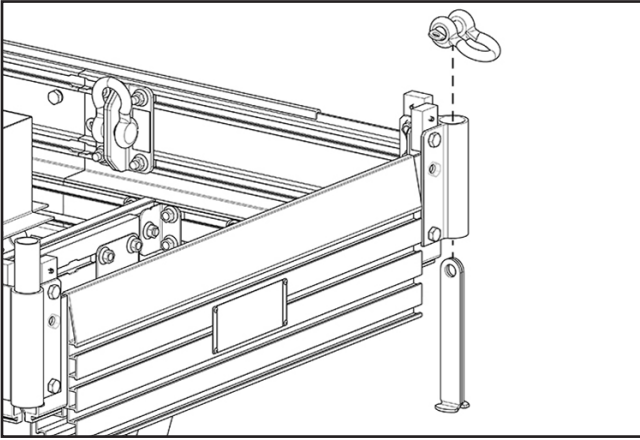
NOTICE

Items such as the Hoist Power Cable and the Beeper Box (sold separately) can be hung from the shackles on the Hoist Bracket.

Testing the Safeties

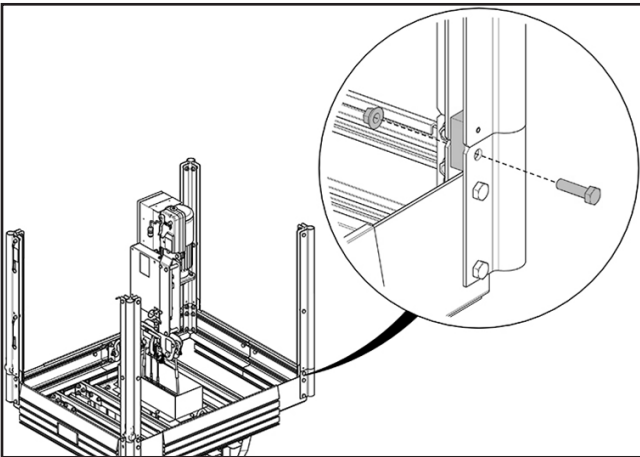
- Test the safety by lowering the release handle, allowing it to engage securely with the rail.
- Lower the car verifying that both safeties are working correctly.
- Lift the release handle to drive the car upwards allowing the safety rollers to disengage the rail.

INSTALLATION INSTRUCTIONS - HANDRAILS



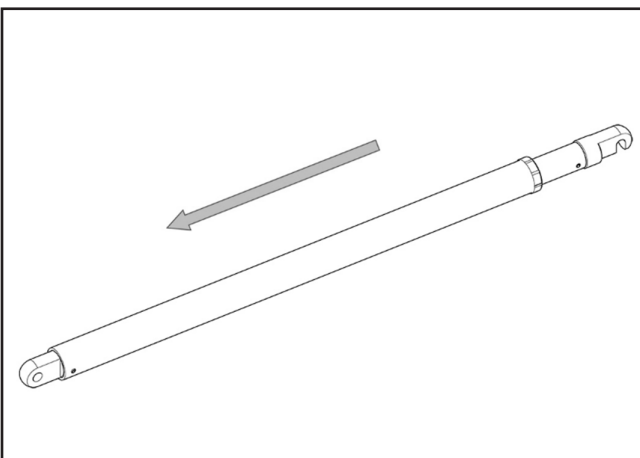
Step 1: Removing the Platform Shackles and Inserts

- Remove the picking inserts and hoisting shackles from the corners of the platform.



Step 2: Attaching the Strike and Hinge Posts to the Platform

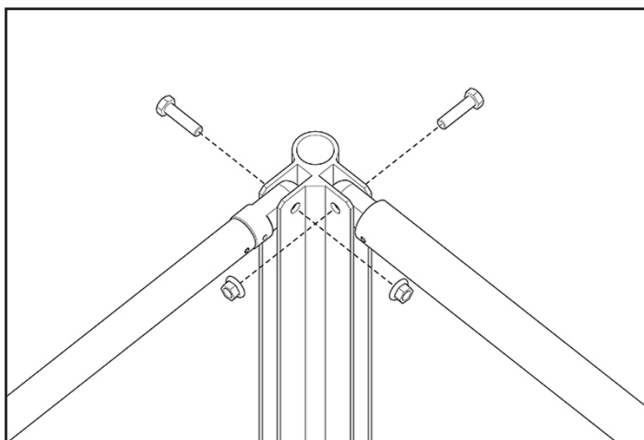
- Decide which side of the platform will be the gate opening. The post located at the gate opening will be the strike post (where the gate closes). The post on the opposite side of the gate opening will be the hinge post (where the gate pivots).
- Remove the bolt from the platform corner post assembly where the post will be installed.
- Insert the connecting block into the post, aligning the holes in the block with the holes in the platform corner.
- Reinstall the previously removed bolt and tighten to secure the post assembly to the platform.
- Repeat this process for the remaining corners, ensuring the strike and hinge posts are installed in their correct locations and all other corners receive strike posts as required.



Step 3: Extending the Telescoping Handrails

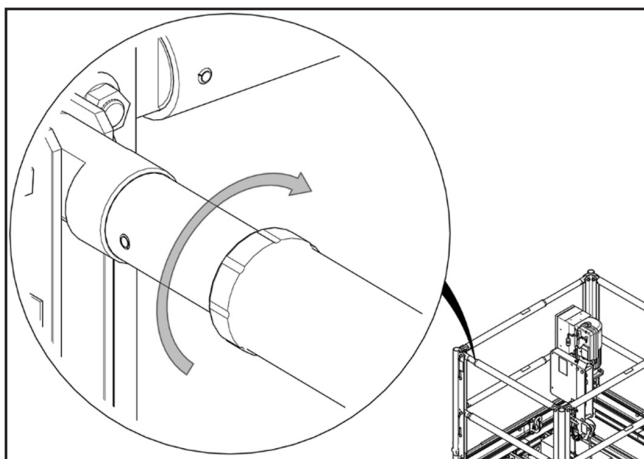
- Loosen the slip joint nuts on the handrails, then extend the handrails until they fit securely inside each strike post.
- *NOTE: Identify the platform side that will serve as the entrance—this side should be fitted with the two handrails that have hooks on the ends.

INSTALLATION INSTRUCTIONS - HANDRAILS



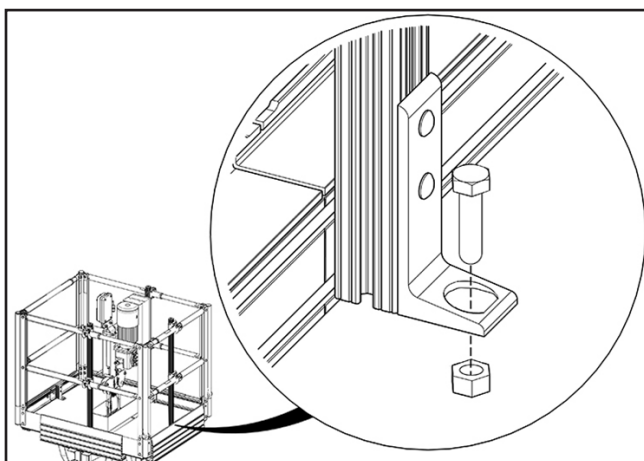
Step 4: Attaching the NON-ENTRANCE Handrails

- Remove the nuts and bolts from the strike posts
- Slide the handrail into the strike post and reattach the nuts and bolts to secure it. Repeat on the opposite end to fully secure the handrail.
- Install the remaining non-entrance handrails, two per side, following the same process.



Step 5: Tightening the Telescoping Handrails

- Once the handrails are in position, tighten the slip joints to lock them in place and prevent movement.
- *NOTE: Ensure the WARNING sticker on the handrail is facing up and is readable from the platform.

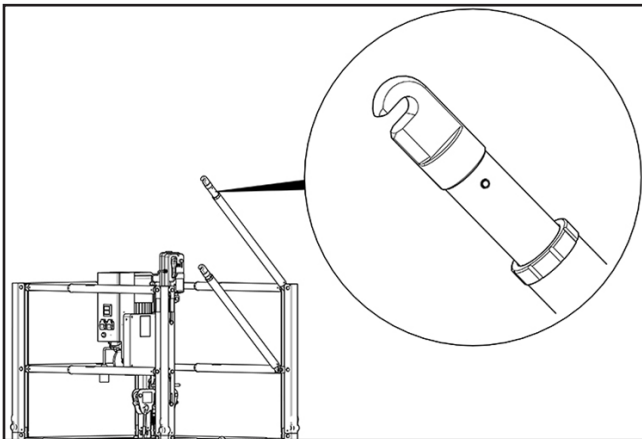


Step 6: Attaching the Handrail Support Kit (Optional)

*NOTE: If the handrail extends beyond 106" (269 cm), install an additional center support (V2 Handrail Support Kit - 90-105).

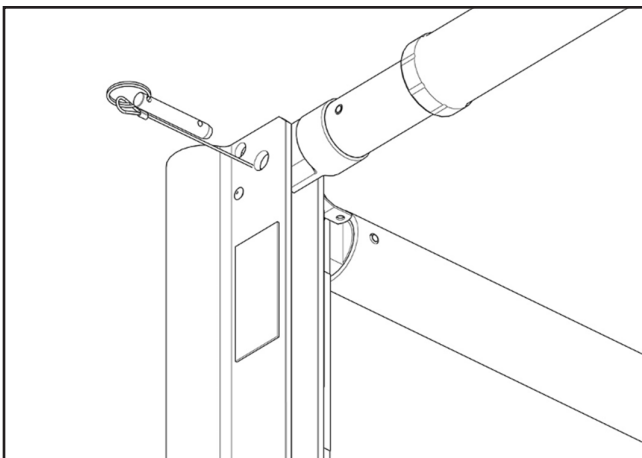
- Position the center support post midway between the two existing support posts.
- Mark the post locations on the platform plywood through the clearance holes in the L-shaped feet.
- Move the post aside and drill holes through the plywood at the marked locations.
- Return the post to position, then secure it by tightening the screws and nuts at the base.
- Tighten the knurled thumb screws to attach the support post firmly to the handrail.

INSTALLATION INSTRUCTIONS - HANDRAILS



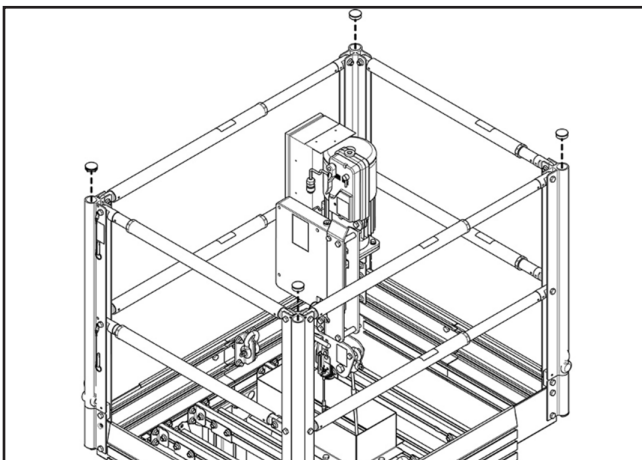
Step 7: Attaching the ENTRANCE Handrails

- Remove the nuts and bolts from all corner posts, excluding the strike posts. Leave the hardware installed on the strike post that supports the gate's hook end.
- Slide the handrail into the hinge post and reattach the nuts and bolts to secure the non-hook end of the handrail.
- Rest the hooked end of the handrail on top of the bolt on the opposite strike post. This allows the handrail to lift and function as an entry gate.
- Repeat the process to install the second entrance handrail.



Step 8: Locking the Gate

- Insert the pin into the hole above the handrail to lock the gate. Remove the pin to open it.

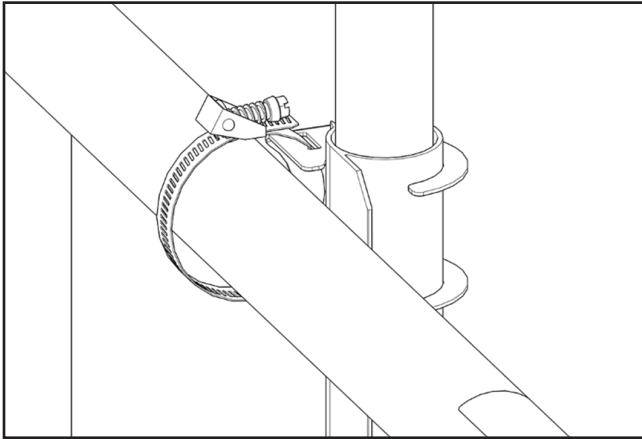


Step 9: Adding the End Caps

- Insert the four end caps into the tops of each handrail.

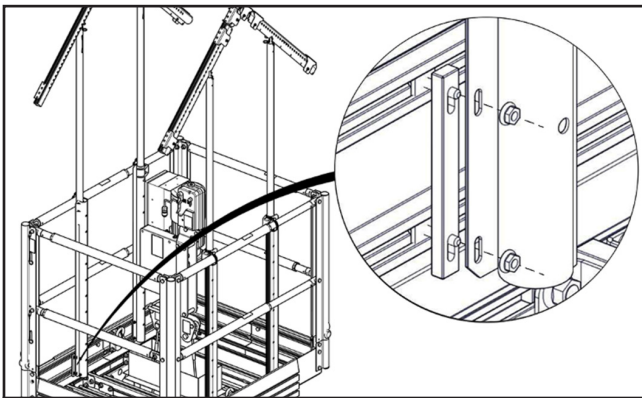
INSTALLATION INSTRUCTIONS - BREAKAWAY CANOPY

The Telescoping Canopy mounts flush against the handrails of the False Car. It provides overhead protection, and the roof has the ability to break away from the Post Members in the event of a freefall scenario.



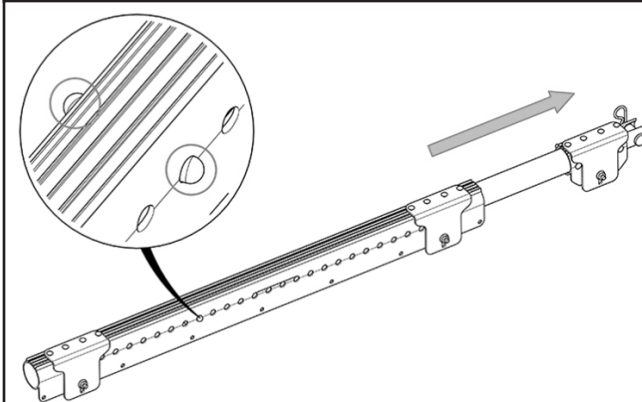
Step 1: Attach the Canopy Grip

- Hook the canopy post using the canopy grip and press it against the upper handrail.
- Place the tube clamp around the handrail, then insert the end through the slot on the canopy grip.
- Feed the end of the tube clamp back into the cage of the tube clamp.
- Slide the canopy post into the proper position, approximately 18" (450 mm) from the corners of the platform.
- Finish securing the canopy post in place by tightening the tube clamp with a screwdriver.



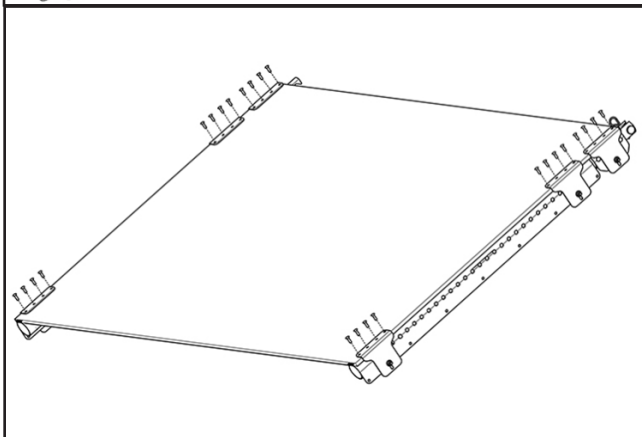
Step 2: Attach the Canopy Posts

- Insert two square nuts into the platform's grooves.
- Position the canopy spacer onto the screws, followed by the canopy post.
- Secure the canopy post with a hex flange nut.



Step 3: Measure and Adjust Roof Members

- The Roof Members can be easily adjusted to fit your platform configuration. Press both quick release buttons on the sides of the roof member, then pull the telescoping roof member to the appropriate size.



Step 4: Attaching the Plywood

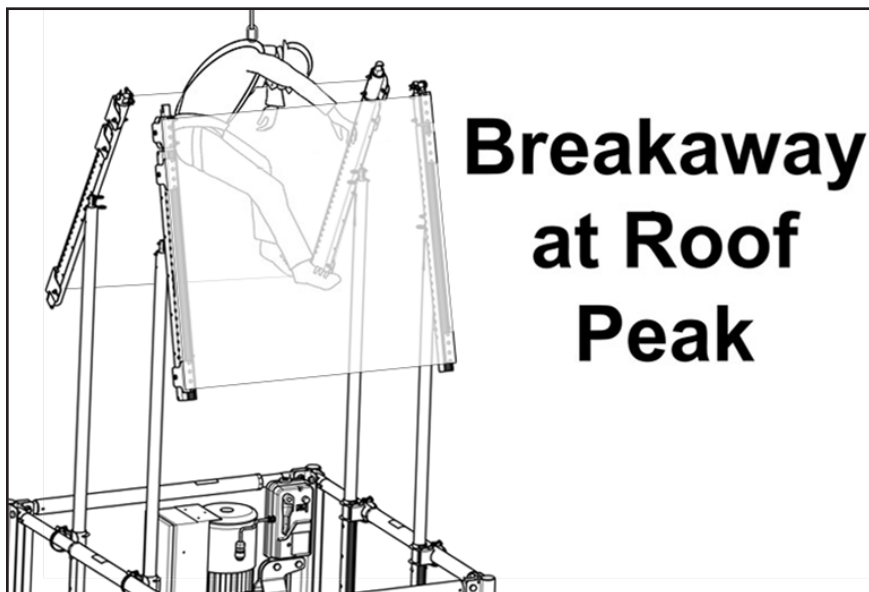
- *NOTE: The plywood roof thickness should be at least 3/8" (10 mm), and no more than 5/8" (16 mm).
- Measure and cut the plywood roof sections, leaving enough room for a gap where the plywood sections meet.
- Slide the plywood in between the canopy outer extrusion and the top angles.
- Use flat head wood screws to fasten the plywood in place.

INSTALLATION INSTRUCTIONS - BREAKAWAY CANOPY

Our breakaway canopies offer two breakaway configurations to suit different needs:

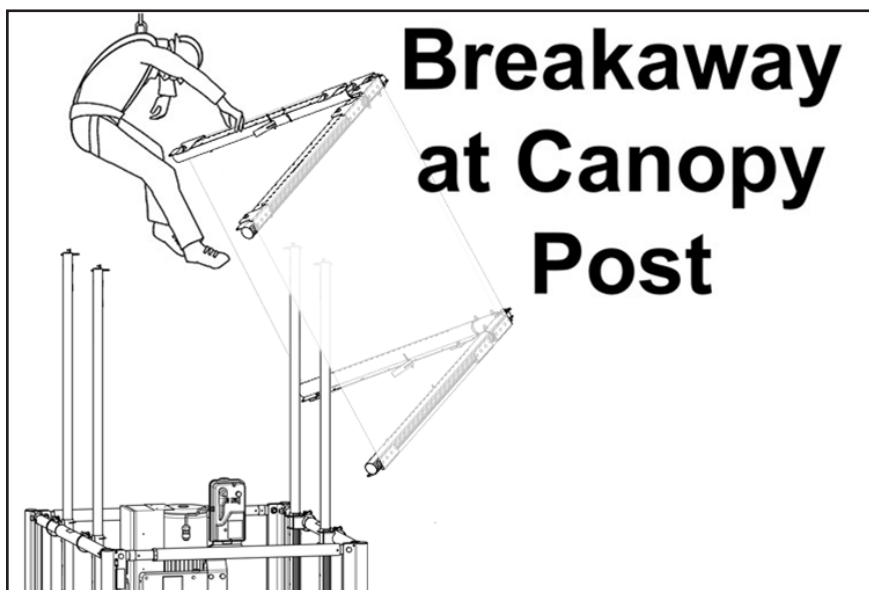
1. The roof is configured to break apart at the peak on impact.
2. The canopy detaches from the canopy posts on impact, leaving the roof intact.

Select your preferred breakaway configuration, then follow the corresponding installation instructions.



Breakaway at Roof Peak

When configured for breakaway at the roof peak, the canopy is designed to break apart at the peak of the roof during platform freefall conditions.

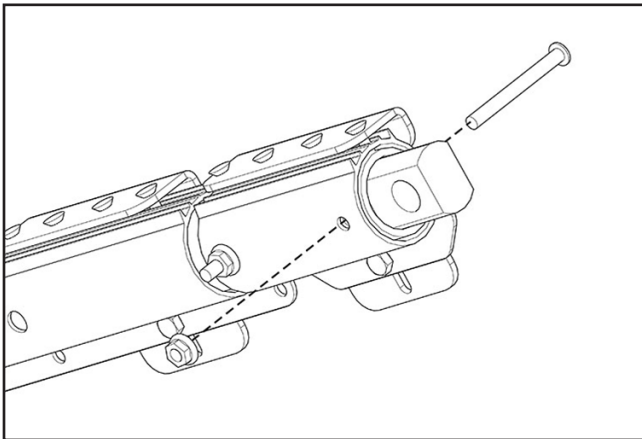


Breakaway at Canopy Post

When the canopy is configured to breakaway at the canopy post, the canopy acts as a locked hinge. Upon impact the canopy breaks away at the canopy post, while the canopy remains intact.

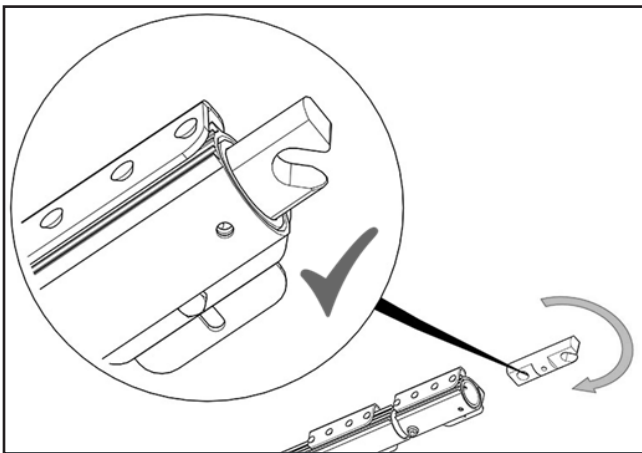
INSTALLATION INSTRUCTIONS - BREAKAWAY CANOPY

Configuring the Canopy to Breakaway at the Roof Peak



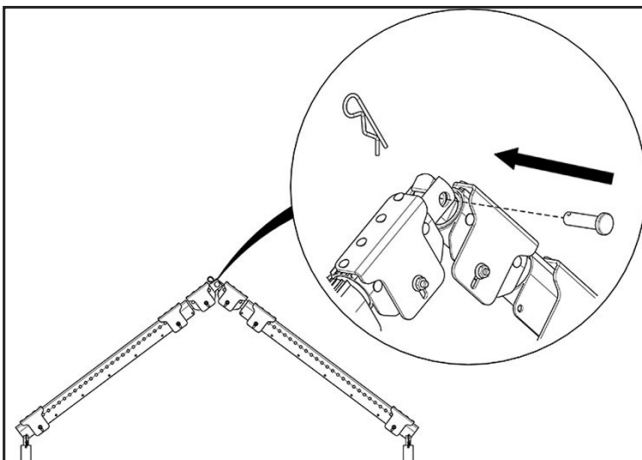
Step 1: Remove Canopy End Hardware

- On the Roof Member, remove the Button Head Screw and Nut from the Canopy Rod End. Set Aside.



Step 2: Rotate Canopy Rod End

- Pull the Canopy Rod End out and flip it so the hook end is facing outward, and the hook opening is pointing down.
- Secure the Canopy Rod End in place with the Button Head Screw and Nut removed in the previous step.

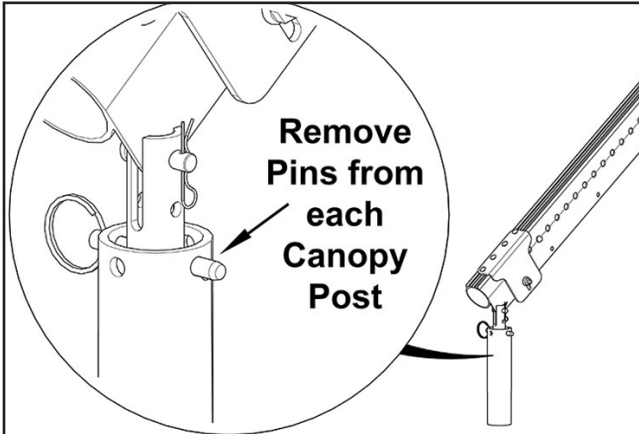


Step 3: Add the Connecting Fasteners

- Add the Bolt and Cotter Pin to the peak of the roof member. Ensure both sets of roof members are connected at the peak.
- The canopy will now breakaway at the roof peak.

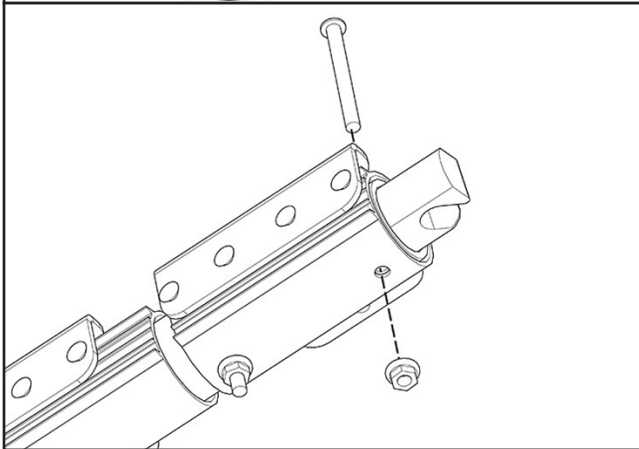
INSTALLATION INSTRUCTIONS - BREAKAWAY CANOPY

Configuring the Canopy to Breakaway at the Canopy Post



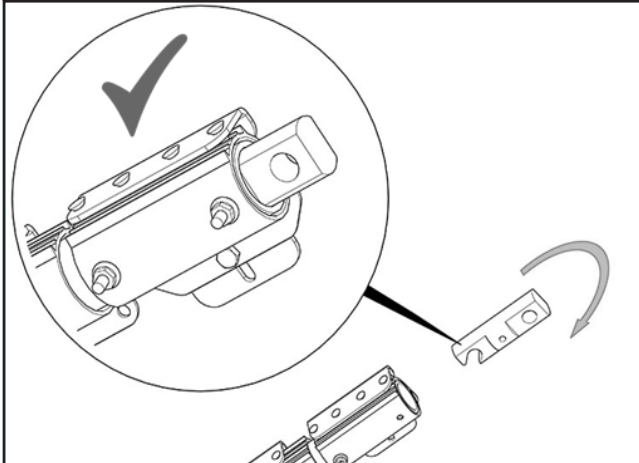
Step 1: Removing the Quick Release Pins

- Remove the Quick Release Pins from each of the Canopy Posts.
- *NOTE: Quick Release Pins are for setup only.
- Once all four pins have been removed, the breakaway canopy will break apart at the canopy post. This is required to prevent entrapment under the canopy.



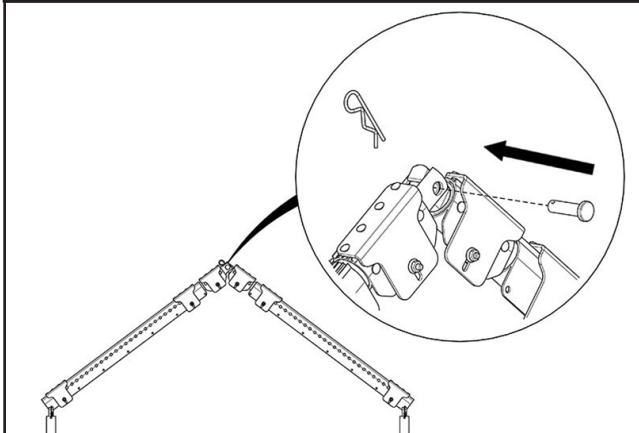
Step 2: Remove Canopy End Hardware

- On the Roof Member, remove the Button Head Screw and Nut from the Canopy Rod End. Set Aside.



Step 3: Rotate Canopy Rod End

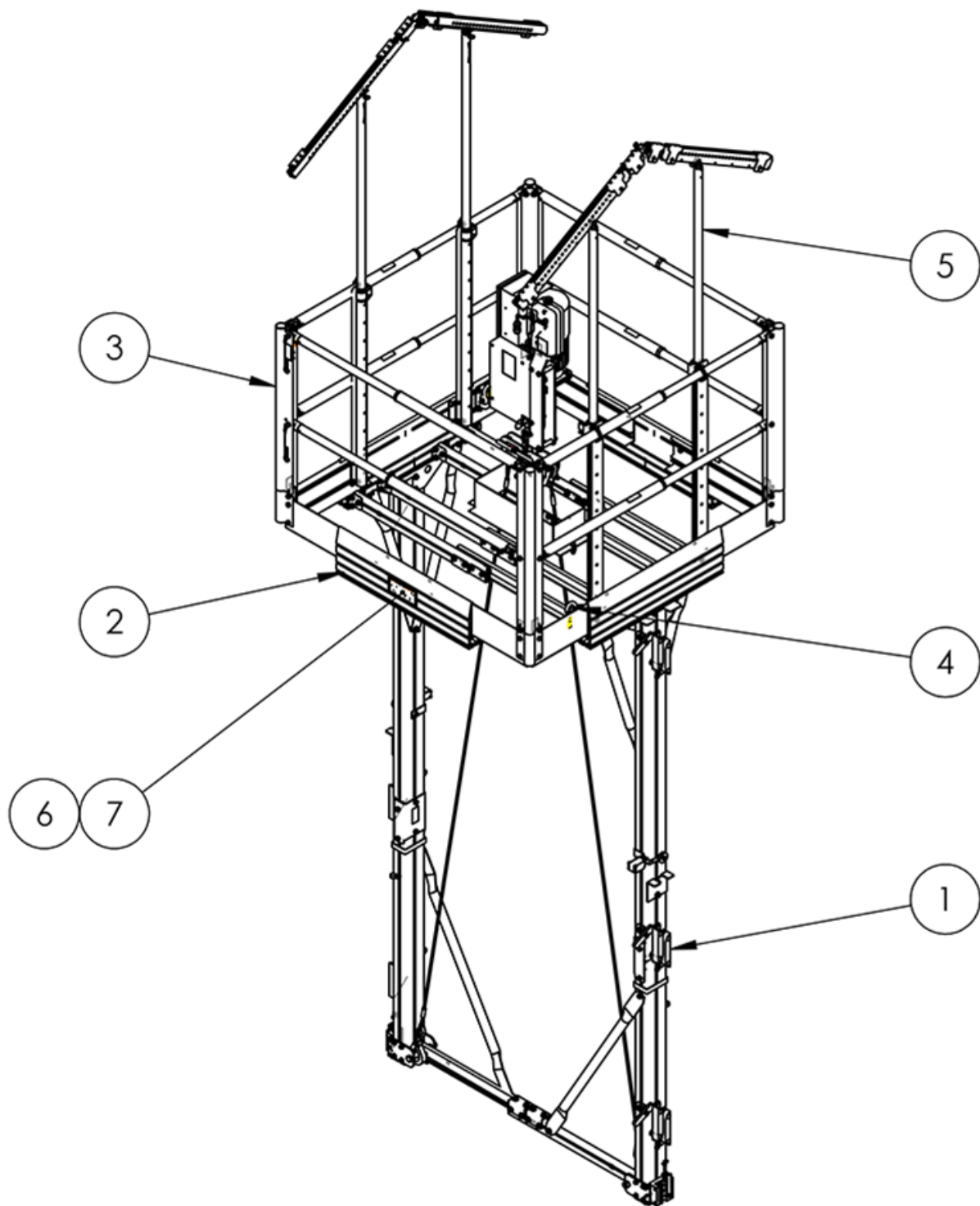
- Pull the Canopy Rod End out and flip it so the hole end is facing outward.
- Secure the Canopy Rod End in place with the Button Head Screw and Nut removed in the previous step.



Step 4: Add the Connecting Fasteners

- Add the Bolt and Cotter Pin to the peak of the roof member. Ensure both sets of roof members are connected at the peak.
- The canopy will now breakaway at the canopy post.

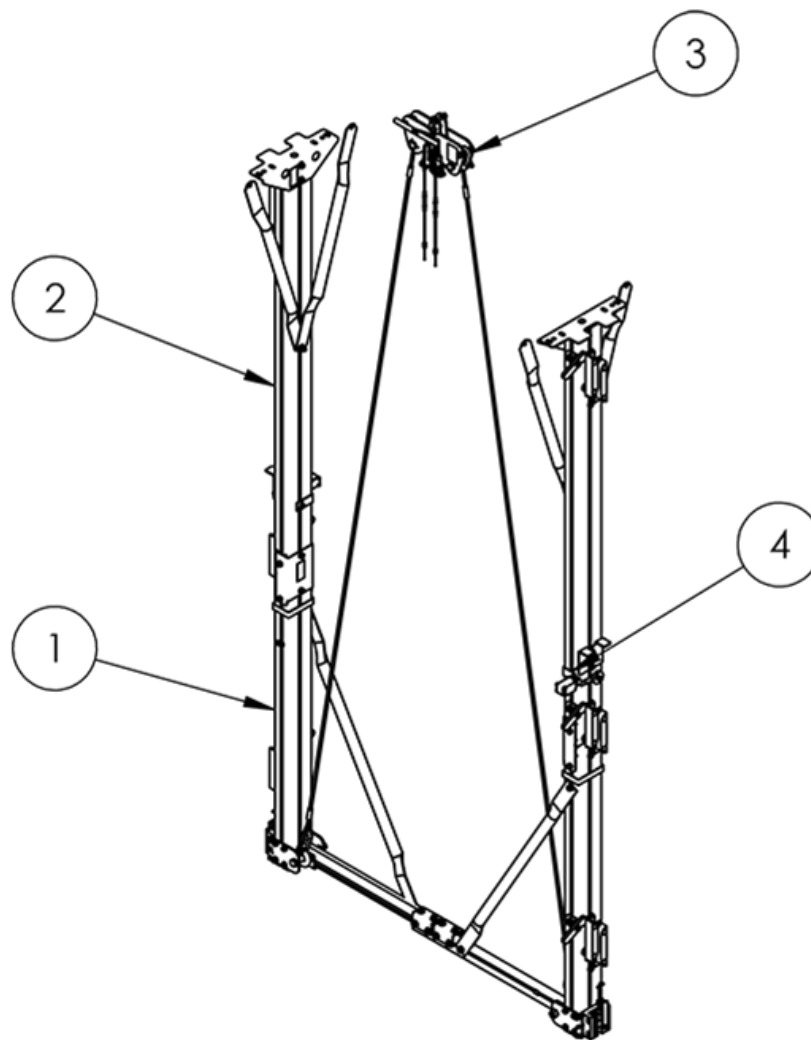
BILL OF MATERIALS - V2 FALSE CAR KIT



BILL OF MATERIALS - V2 FALSE CAR KIT

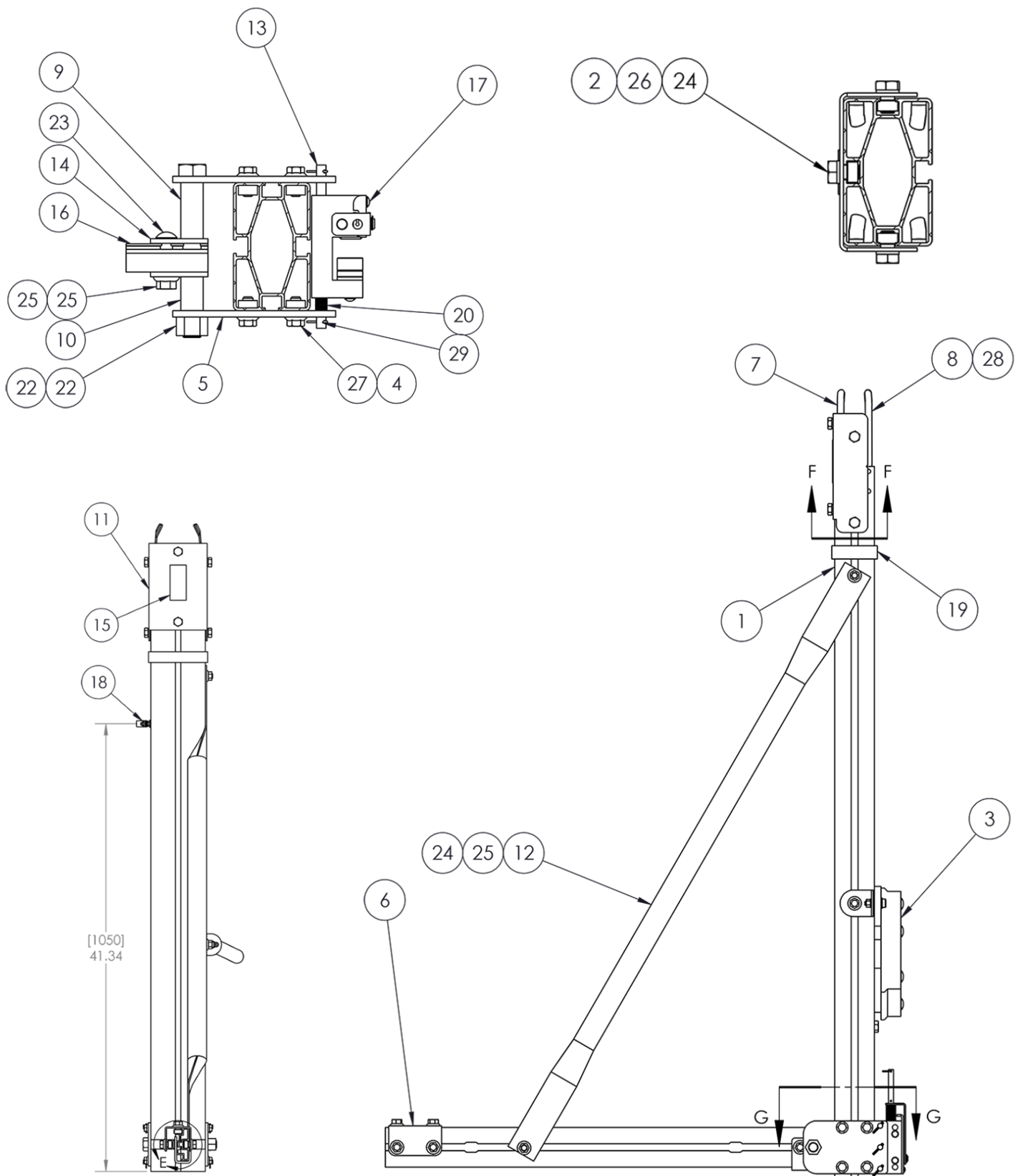
		SMALL	MED	LARGE		
Item		Qty 11-306- K00	Qty 11-306- K01	Qty 11-306- K02	Description	Weight (lbs)
1	11-306-I00	1	-	-	V2 FALSE CAR - SMALL	228
1	11-306-I01	-	1	-	V2 FALSE CAR - MEDIUM	234
1	11-306-I02	-	-	1	V2 FALSE CAR - LARGE	241
2	11-307-I00	1	-	-	PLATFORM ASSEMBLY	186
2	11-307-I01	-	1	-	PLATFORM ASSEMBLY	238
2	11-307-I02	-	-	1	PLATFORM ASSEMBLY	268
3	11-308-I00	1	-	-	HANDRAIL ASSY - SMALL	102
3	11-308-I01	-	1	-	HANDRAIL ASSY	131
3	11-308-I02	-	-	1	HANDRAIL ASSY - LARGE	149
4	11-312-I01	2	2	2	FALL PROTECTION ASSY	5
5	10-10019801	1	1	-	V2 CANOPY (K00, K01)	42
5	10-10019833	-	-	1	V2 CANOPY (K02)	52
6	0126210	4	4	4	STEEL RIVET	-
7	15-10071332	1	-	-	11-306-K00 NAME PLATE	-
7	15-10071333	-	1	-	11-306-K01 NAME PLATE	-
7	15-10071334	-	-	1	11-306-K02 NAME PLATE	-

BILL OF MATERIALS - V2 FALSE CAR



		Small	Med	Large	
Item	Part No.	QTY 11-306- K00	QTY 11-306- K01	QTY 11-306- K02	Description
1	10-10020266	2	-	-	V2 LOWER STILE - SMALL
1	10-10020267	-	2	-	V2 LOWER STILE
1	10-10020274	-	-	2	V2 LOWER STILE - LARGE
2	11-306-66	2	2	2	V2 UPPER SIDE STILE
3	10-10018532	1	1	-	V2 HOIST BRACKET - SLACK (K00, K01)
3	10-10020263	-	-	1	V2 HOIST BRACKET - SLACK (K02)
4	11-306-31	2	2	2	RAIL END SWITCH ASSY

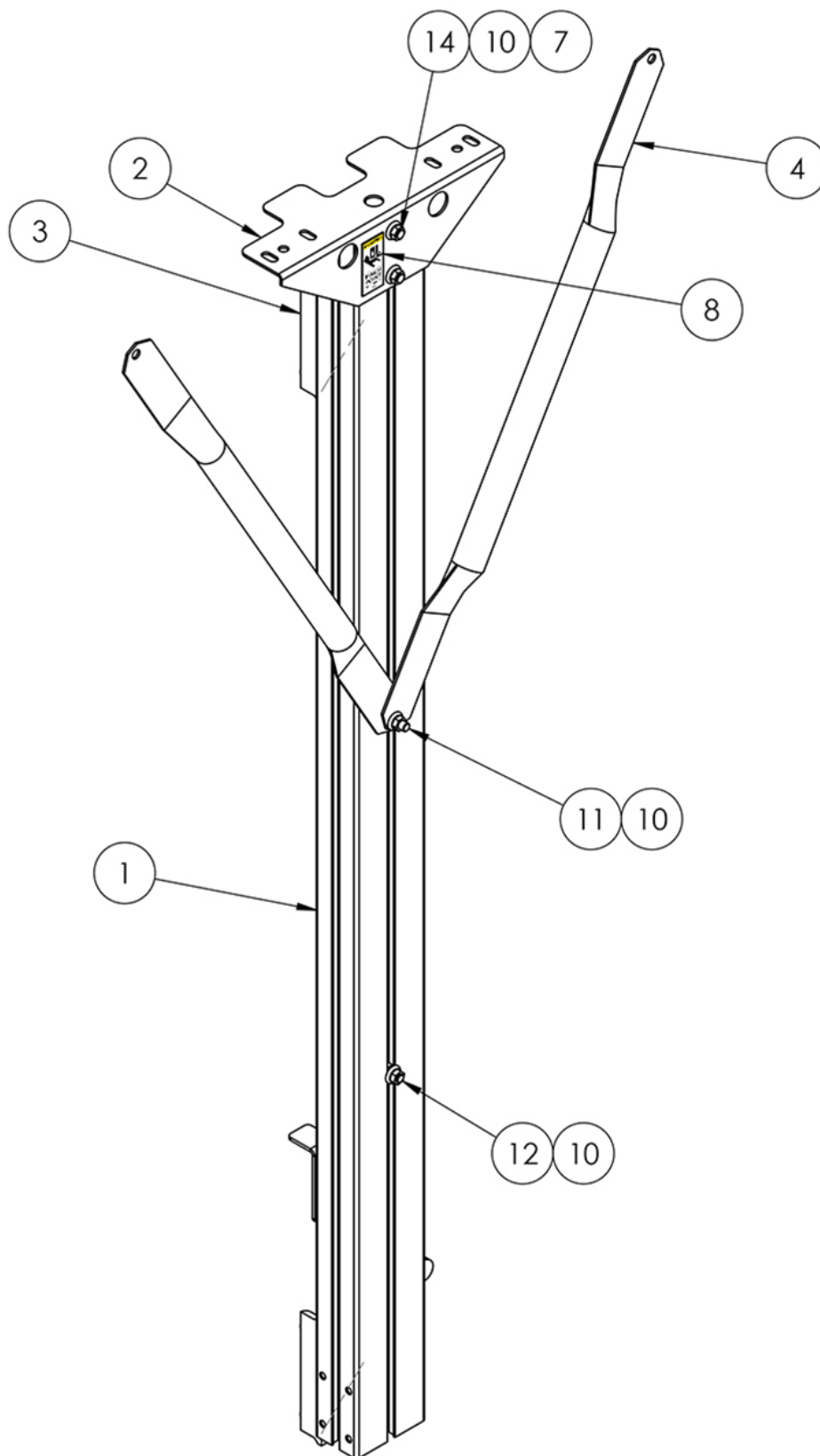
BILL OF MATERIALS - LOWER SIDE STILE



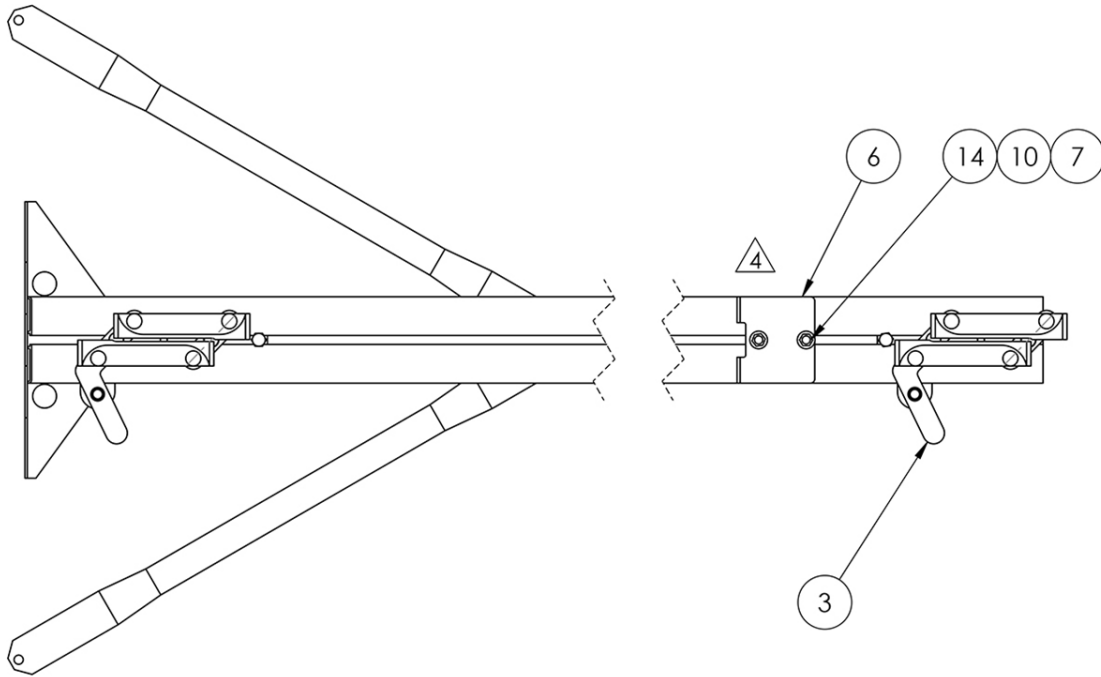
BILL OF MATERIALS - LOWER SIDE STILE

Item	Part No	SMALL	MED	LARGE	Description	Size	Length
		Qty 11-306- K00	Qty 11-306- K01	Qty 11-306- K02			
1	11-306-06	1	1	1	LOWER SIDE STILE	-	-
2	11-306-07L	3	3	3	TAP BAR	-	-
3	11-306-14	1	1	1	RAIL GUIDE	-	-
4	11-306-15	4	4	4	BOLTING BAR	-	-
5	11-306-16	2	2	2	SIDE PLATE	-	-
6	11-306-18	1	1	1	CROSS CHANNEL CLAMP ASSY	-	-
7	11-306-19L	2	2	2	ALIGNMENT TAB	-	-
8	11-306-19R	2	2	2	ALIGNMENT TAB	-	-
9	11-306-20	1	1	1	MTG TBG	-	-
10	11-306-21	1	1	1	MTG TBG	-	-
11	11-306-24	1	1	1	SPLICE PLATE	-	-
12	11-306-26	1	1	1	DIAGONAL BRACE	-	-
13	11-306-39	3	3	3	SAFETY ROD	-	-
14	11-306-67	1	1	1	CROSS BRACKET	-	-
15	10-10002514	1	1	1	11-306 PINCH STICKER	1.5 x 3.25	-
16	10-10004919	1	1	-	CROSS CHANNEL	-	33"
16	10-10002118	-	-	1	CROSS CHANNEL	-	-
17	10-10016775	1	1	1	V2 SAFETY ASSEMBLY	-	-
18	10-10020042	1	1	1	CABLE CLAMP ASSEMBLY	-	-
19	5247-RD3	1	1	1	1" CINCH STRAP TIE DOWN, CAM	-	-
20	9657K369	2	2	2	COMPRESSION SPRING (6 PACK)	.455 DIA X .039 WIRE	1.75
21	11113772	1	1	1	METRIX HEX HEAD CAP SCREW CL 10.9 Z	M18 x 2.5	160 mm
22	11507085	1	1	1	NYLON INSERT HEX NUT	M18 x 2.5	-
23	0141352	1	1	1	METRIC BUTTON HEAD SOCKET CAP SCREW CL 10.9 Z	M12-1.75	50
24	038704	8	8	8	METRIC HEX HEAD CAP SCREW	M12-1.75	20 MM
25	8M2650000	3	3	3	METRIC SERRATED HEX FLANGE NUT Z	M12-1.75	-
26	NL12	6	6	6	M12 NORDLOCK WASHER PAIR	M12	-
27	11115907	8	8	8	SERRATED FLANGE HEAD CAP SCREW (CL 90)	M10-1.50	20
28	0141361	8	8	8	METRIC FLAT HEAD SCREW	M4-0.70	6 MM
29	65076	6	6	6	COTTER PIN Z	1/8"	1"

BILL OF MATERIALS - UPPER SIDE STILE

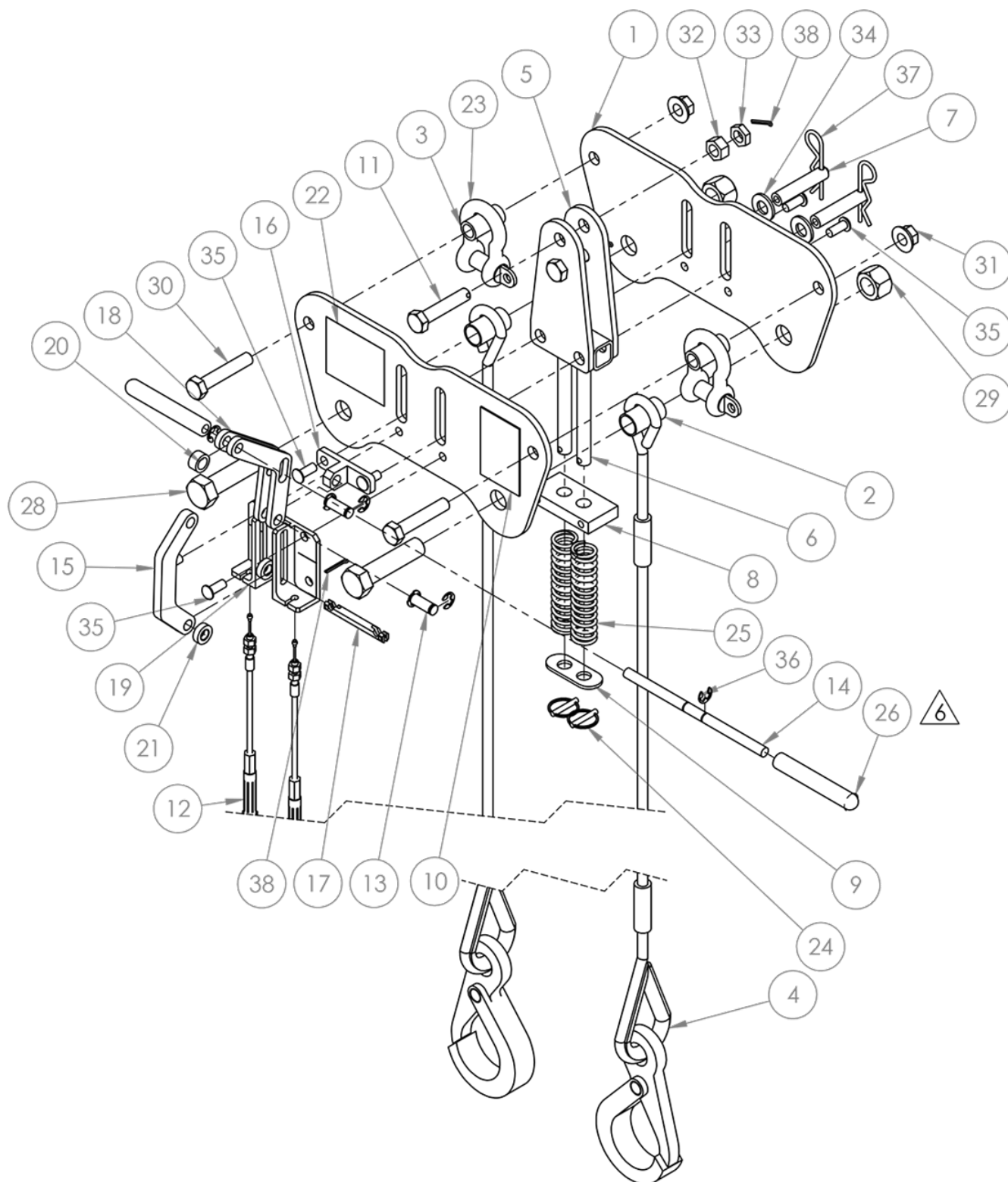


BILL OF MATERIALS - UPPER SIDE STILE



11-306-66 UPPER SIDE STILE					
Item	Qty	Part No.	Description	Size	Length
1	1	11-306-05	UPPER SIDE STILE	-	-
2	1	11-306-10	PLATFORM BRACKET	-	-
3	2	11-306-14	RAIL GUIDE	-	-
4	2	11-306-22	PLATFORM BRACE	-	-
5	2	11-306-44	GUIDE TAP BAR	-	-
6	1	11-306-54	GUIDE PLATE	-	-
7	2	11-306-07S	TAP BAR	-	-
8	1	10-10002514	11-306-PINCH STICKER	1.5 X 3.25	-
9	4	92095A320	METRIC BUTTON HEAD SOCKET CAP SCREW	M12-1.75	-
10	6	8M2650000ZP0000	METRIC SERRATED HEX FLANGE NUT Z	M12-1.75	-
11	1	38706	METRIC HEX HEAD CAP SCREW	M12-1.75	30 MM
12	1	38704	METRIC HEX HEAD CAP SCREW	M12-1.75	20 MM
13	2	38703	METRIC HEX HEAD CAP SCREW	M12-1.75	16 MM
14	4	0141264	METRIC CUP POINT SET SCREW	M12-1.75	30 MM

BILL OF MATERIALS - HOIST BRACKET



BILL OF MATERIALS - HOIST BRACKET

		Small/ Med	Large			
Item	Part No.	10-100 18532	10-100 20263	Description	Size	Length
1	11-306-25	2	2	LIFT LUG	-	-
2	11-306-28	2	2	SPACER	-	-
3	11-306-29	2	2	SPACER	-	-
4	11-306-30	2	-	3/8" WIRE ROPE SLING W/ HOOK	3/8"	3708 MM
4	10-10002202	-	2	3/8" WIRE ROPE SLING W/ HOOK	3/8"	3848 MM
5	11-306-33	2	2	HOIST CONNECTION	-	-
6	11-306-34	1	1	SPRING GUIDE	-	-
7	11-306-35	2	2	HOIST PIN	-	-
8	11-306-43	1	1	SPACER BLOCK	-	-
9	11-306-53	1	1	SPRING SUPPORT	-	-
10	10-10002667	1	1	11-306-SAFETY POS. STICKER	2X3	-
11	10-10003375	2	2	SAFETY BOLT - HOIST ADAPTER	M12-1.75	60 MM
12	10-10016461	2	2	V2 CABLE ASSEMBLY	-	-
13	10-10018536	2	2	HINGE PIN	-	-
14	10-10058860	1	1	HANDLE	-	-
15	10-10019361	1	1	CONNECTING BAR	-	-
16	10-10019363	1	1	SLIDE BRACKET	-	-
17	10-10019365	1	1	SLIDE PIN	-	-
18	10-10019366	2	2	PIVOT LINK	-	-
19	10-10019501	1	1	SLIDE BRACKET	-	-
20	10-10020118	1	1	18 MM OD X 3 MM WALL AL TUBE 9.5 MM (+0/-0.3 MM)	18X3	9.5

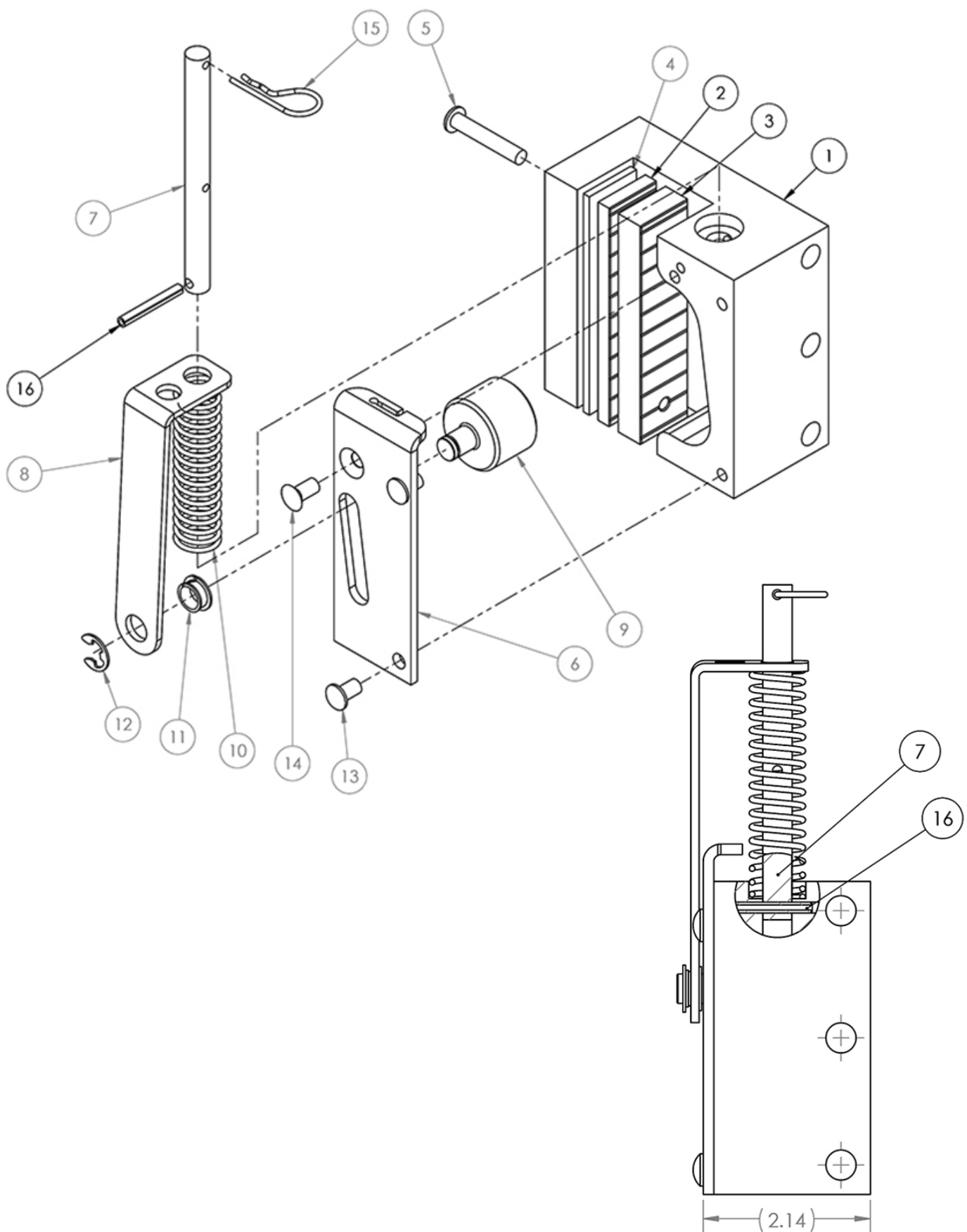
10-10018532 - Hoist Bracket for Small and Medium sized False Cars

10-10020263 - Hoist Bracket for Large sized False Cars

BILL OF MATERIALS - HOIST BRACKET

		Small/ Med	Large			
Item	Part No.	10-100 18532	10-100 20263	Description	Size	Length
21	MAS19-10-6	2	2	ALUMINUM SPACER	19 MM OD X 10.2 MM ID	6
22	10-10046096	1	1	V2 FC FASTENER WARNING STICKER	3" X 2.5"	-
23	16-031	2	2	ANCHOR SHACKLE	3 TON	-
24	3HLA8	2	2	LINCH PIN (PACK OF 10)	3/16	1.25
25	9657K465	2	2	SPRING	-	-
26	9282K13	2	2	CUSHIONED ROUND GRIP FOR 5/16" TO 3/8" OD, 4" LONG	-	-
27	EE1-X91-8	4	4	NYLON WEB SLING	-	-
28	38805	2	2	METRIC HEX HEAD CAP SCREW	M18-2.5	75 MM
29	11507085	2	2	NYLON INSERT HEX NUT	M18-2.5	-
30	38713	2	2	METRIC HEX HEAD CAP SCREW	M12-1.75	65 MM
31	8M2650000 ZP0000	2	2	METRIC SERRATED HEX FLANGE NUT	M12-1.75	-
32	0153641	2	2	HEX NUT	M12-1.75	-
33	0141492	2	2	JAM NUT	M12-1.75	-
34	33086	2	2	FLATWASHER	1/2"	-
35	0141331	6	6	METRIC BUTTON HEAD SOCKET CAP SCREW	M8-1.25	20 MM
36	98317A227	6	6	E-CLIP	10 MM	-
37	45286	2	2	HAIR PIN COTTER PIN	1/8" DIA	2-9/16"
38	65076	4	4	EXTENDED PRONG COTTER PIN	1/8"	1"

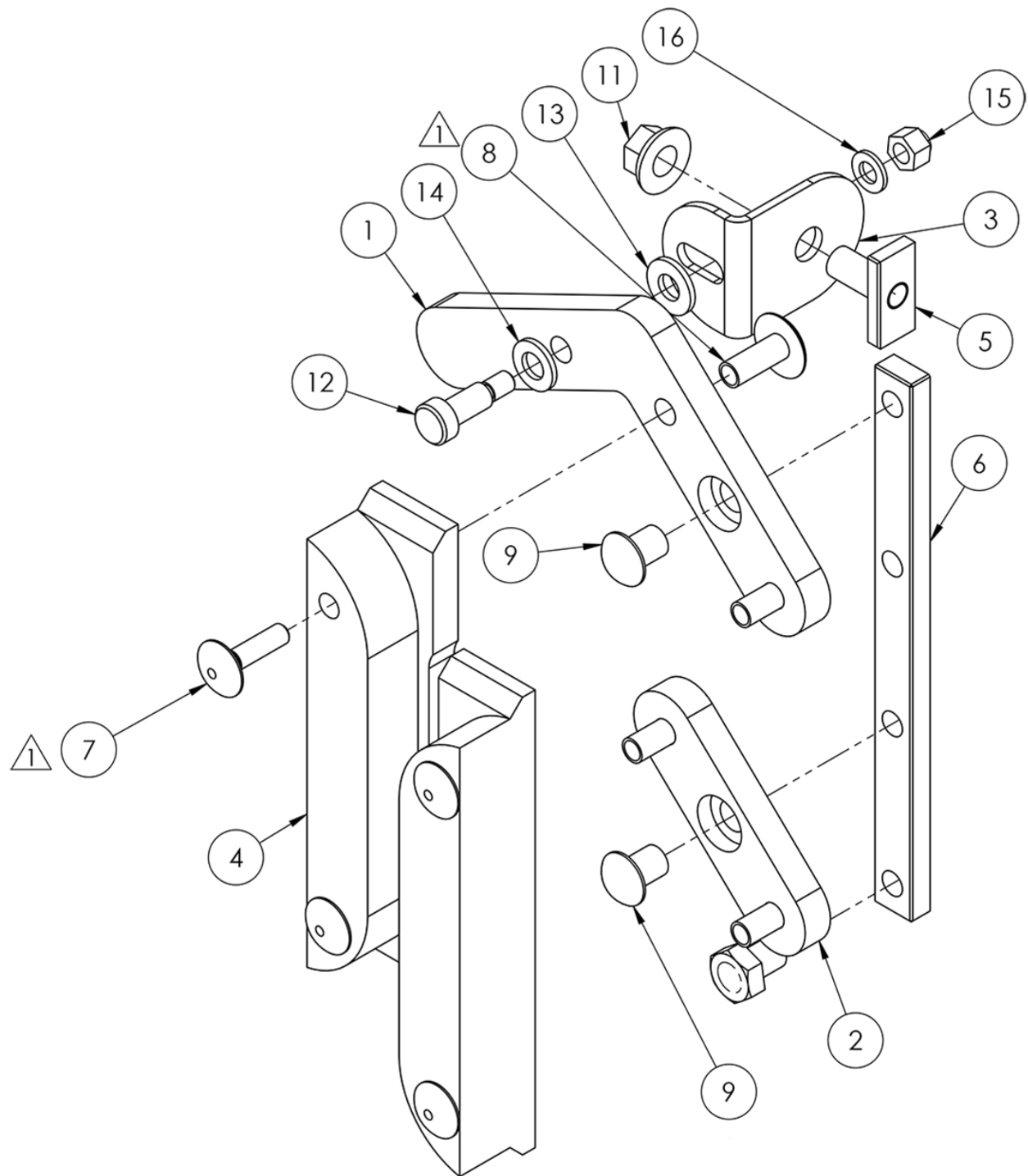
BILL OF MATERIALS - V2 SAFETY ASSEMBLY



BILL OF MATERIALS - V2 SAFETY ASSEMBLY

10-10016775 V2 Safety Assembly					
Item	Qty	Part No.	Description	Size	Length
1	1	10-10064107	V2 SAFETY BLOCK		
2	1	10-10058742	1/4" BRONZE SPACER		
3	1	11-306-40	1/2" BRONZE SPACER		
4	1	10-10015295	1/8" ALUMINUM SPACER		
5	2	MB2550035A20000	METRIC BUTTON HEAD SOCKET CAP SCREW	M6-1.0	
6	1	10-10016715	SAFETY COVER PLATE		
7	1	10-10064106	V2 SLIDE ROD		
8	1	10-10019364	ROLLER LINKAGE		
9	1	FRM-10000050	SAFETY ROLLER		
10	1	9657K461	COMPRESSION SPRING, ZINC PLATED		
11	1	MCI-06-02	NYLON INSERT	3/8"	
12	1	98408A134	E-CLIP	3/8"	
13	2	0141317	METRIC BUTTON HEAD SOCKET CAP SCREW	M6-1.0	10 MM
14	1	11509970	METRIC FLAT HEAD SCREW	M6-1.0	10 MM
15	1	0156981	ZINC HITCH PIN CLIP	5/16-3/8 SHAFT	1.44
16	1	91610A513	SLOTTED SPRING PIN	M4	32 MM

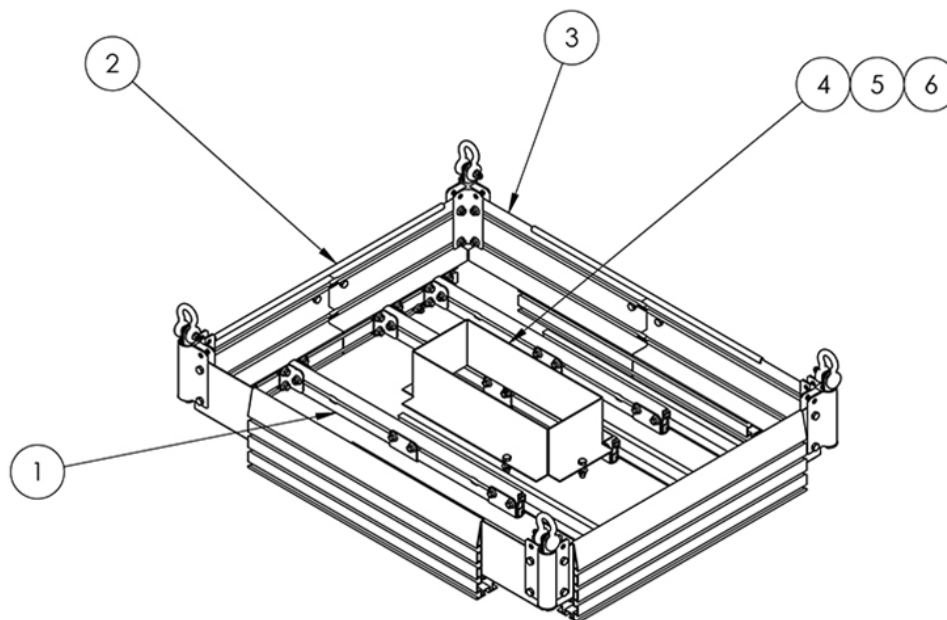
BILL OF MATERIALS - RAIL GUIDE



BILL OF MATERIALS - RAIL GUIDE

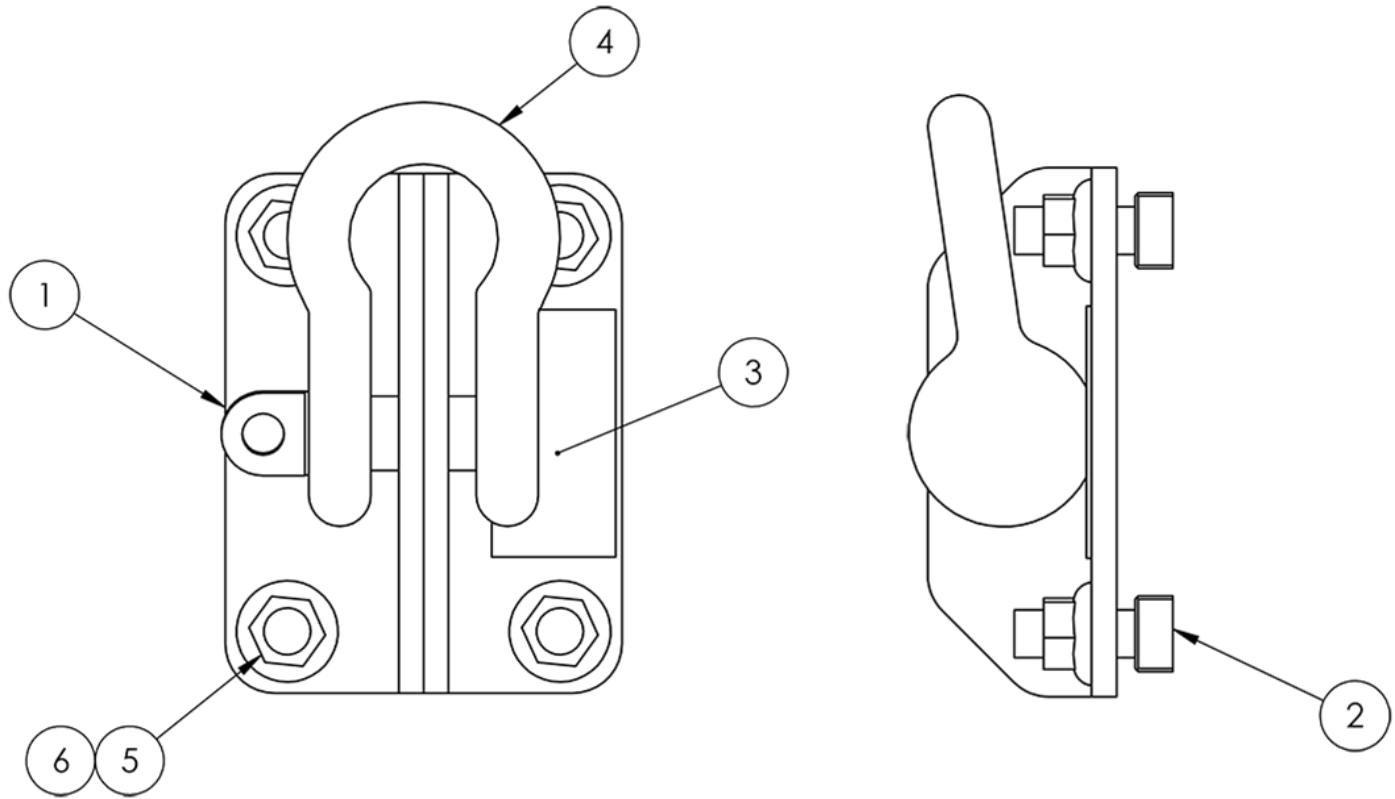
11-306-14 V2 Rail Guide					
Item	Qty	Part No.	Description	Size	Length
1	1	11-306-08	RAIL GUIDE LEVER	-	-
2	1	11-306-11	LOWER LINK	-	-
3	1	11-306-12	LOCATING BRACKET	-	-
4	2	11-306-13	GUIDE SHOE	-	-
5	1	11-306-42	TEE STUD	-	-
6	1	11-306-44	GUIDE TAPE BAR	-	-
7	4	CAM395-8146-00	5/16-18 CAMTAINER BOLT	5/16-18	1.25
8	4	CAM396-8011-00	5/16-18 CAMTAINER NUT	5/16-18	1
9	2	92095A320	METRIC BUTTON HEAD SOCKET CAP SCREW	M12-1.75	16 MM
10	1	38703	METRIC HEX HEAD CAP SCREW	M12-1.75	16 MM
11	1	8M2650000ZP0000	METRIC SERRATED HEX FLANGE NUT	M12-1.75	-
12	1	90265A163	SOCKET HEAD SHOULDER SCREW	10 MM	20 MM
13	0.01	95610A400	NYLON FLAT WASHER (100 PACK)	M10	-
14	1	40358	METRIC TYPE A GENERAL PURPOSE FLAT WASHER	M10 X 20 MM OD	-
15	1	40163	NYLON INSERT HEX NUT	M8-1.25	-
16	1	40357	METRIC TYPE A GENERAL PURPOSE FLAT WASHER	M8 X 16 MM OD	-

BILL OF MATERIALS - PLATFORM



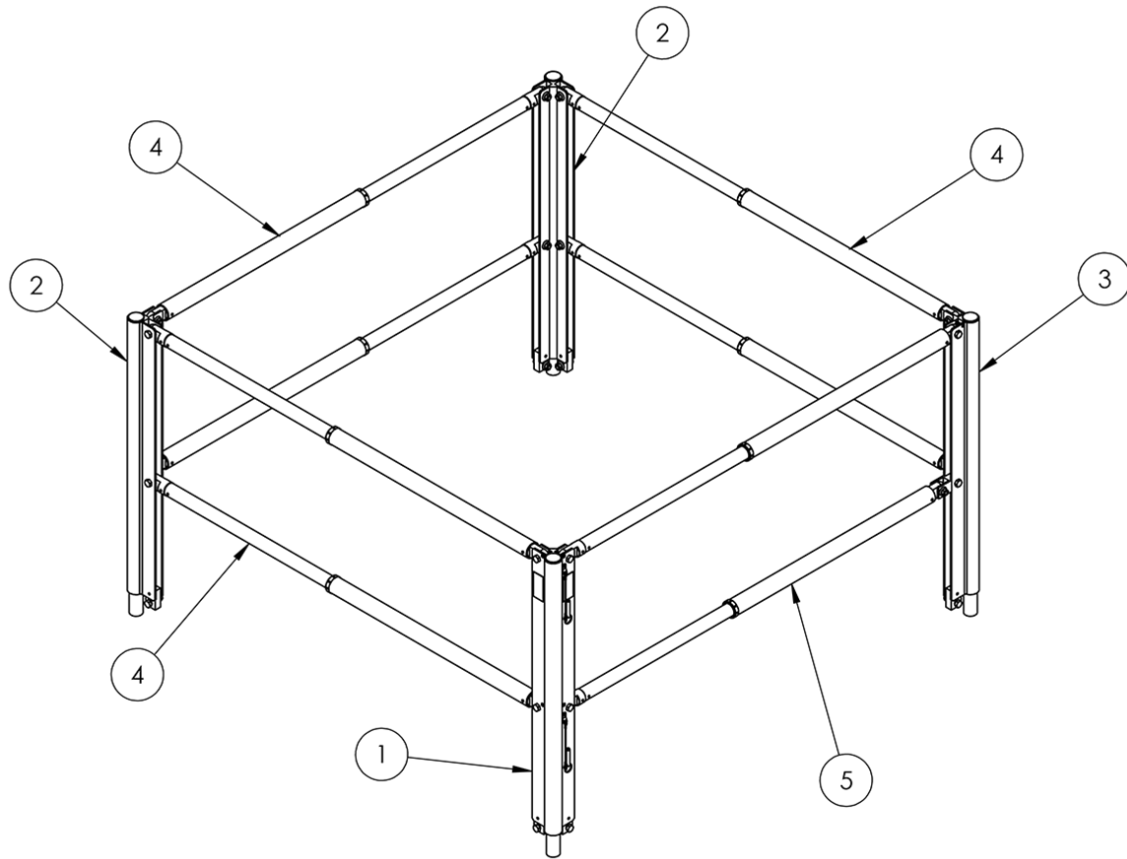
		Small	Med	Large			
Item	Part No.	QTY 11-307-I00	QTY 11-307-I01	QTY 11-307-I02	Description	Size	Length
1	10-10004922	4	-	-	CROSS CHANNEL ASSEMBLY	-	-
1	11-307-04	-	4	-	CROSS CHANNEL ASSEMBLY	-	-
1	10-10002119	-	-	4	CROSS CHANNEL ASSEMBLY	-	-
2	10-10004928	2	-	-	SIDE PROFILE ASSEMBLY	-	-
2	11-307-01	-	2	-	SIDE PROFILE ASSEMBLY	-	-
2	10-10002121	-	-	2	SIDE PROFILE ASSEMBLY	-	-
3	10-10005041	2	-	-	FRONT-REAR PROFILE ASSEMBLY	-	-
3	11-307-03	-	2	-	FRONT-REAR PROFILE ASSEMBLY	-	-
3	10-10014501	-	-	2	FRONT-REAR PROFILE ASSEMBLY	-	-
4	11-307-13	2	2	2	KICKPLATE/TEMPLATE	-	-
5	38709	4	4	4	METRIC HEX HEAD CAP SCREW	M12-1.75	45 MM
6	8M2650000ZP0000	4	4	4	METRIC SERRATED HEX FLANGE NUT Z	M12-1.75	-

BILL OF MATERIALS - FALL PROTECTION



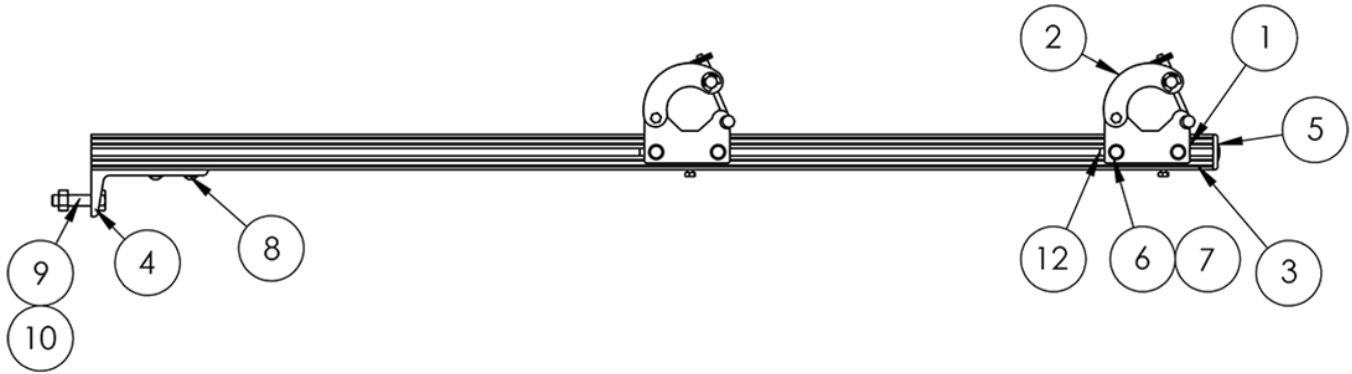
11-312-I01 Fall Protecion				
Item	Part No.	Qty 11-312-I01	Description	Size
1	11-312-01	2	FALL PROTECT BRACKET	-
2	11-306-07S	2	TAP BAR	-
3	10-10050584	1	11-312-FALL PORT. STICKER	1.25 X 2.5
4	16-032	1	ANCHOR SHACKLE	4 1/2 TON
5	8M2650000ZP0000	4	METRIC SERRATED HEX FLANGE NUT	M12-1.75
6	0141266	4	METRIC CUP POINT SET SCREW	M12-1.75

BILL OF MATERIALS - HANDRAIL - SMALL



		Small	Med	Large	
Item	Part No.	Qty 11-308-100	Qty 11-308-101	Qty 11-308-102	Description
1	11-308-14	1	1	1	STRIKE POST ASSY
2	11-308-01	2	2	2	CORNER POST ASSY
3	11-308-09	1	1	1	HINGE POST
4	10-10004932	6	-	-	HANDRAIL TUBE ASSY
4	11-308-04	-	6	-	HANDRAIL TUBE ASSY
4	10-10002198	-	-	6	HANDRAIL TUBE ASSY
5	10-10004935	2	-	-	HANDRAIL TUBE ASSY - GATE
5	11-308-10	-	2	-	HANDRAIL TUBE ASSY - GATE
5	10-10002199	-	-	2	HANDRAIL TUBE ASSY - GATE

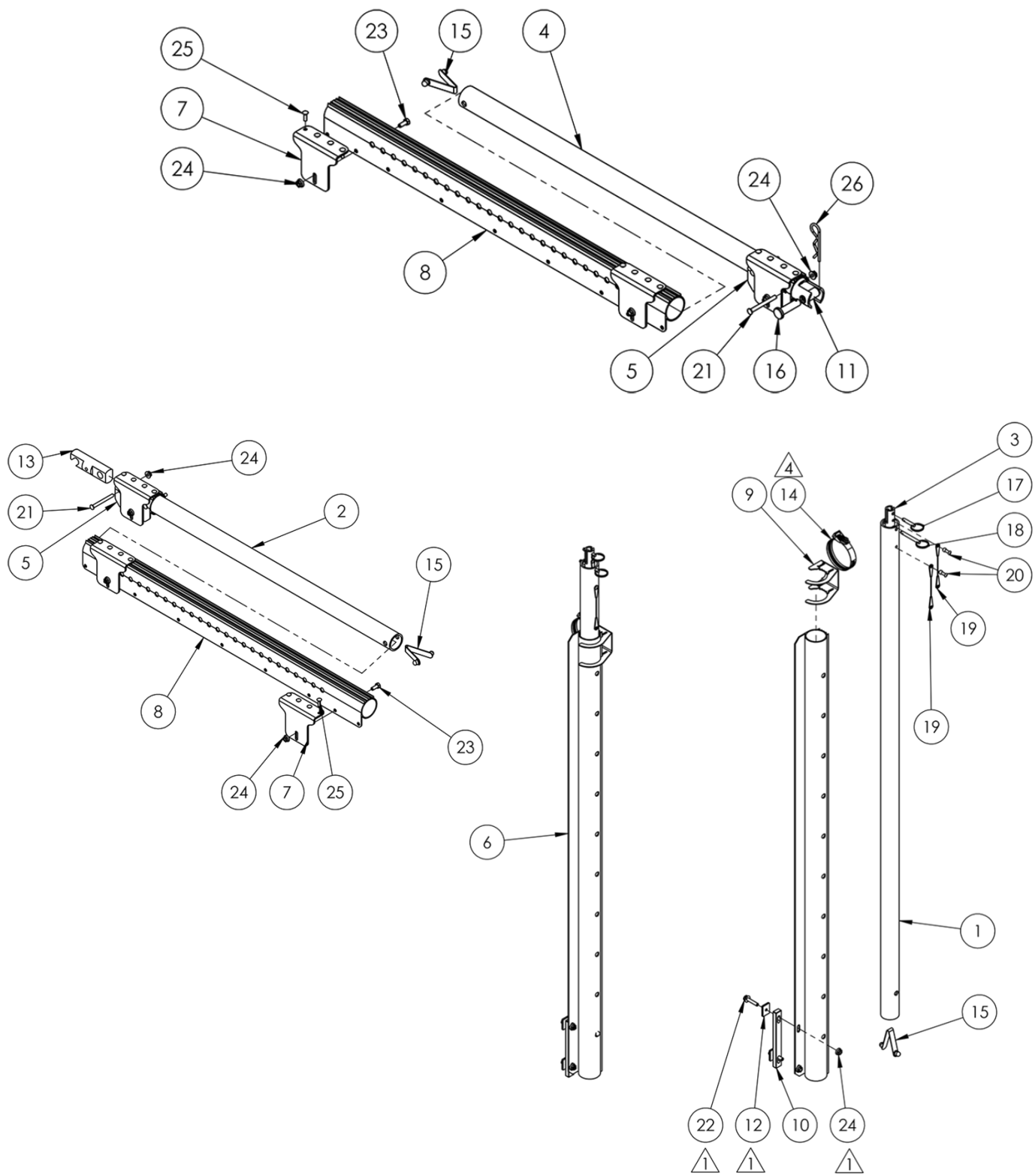
BILL OF MATERIALS - HANDRAIL SUPPORT KIT



90-10025443 V2 Handrail Support Kit					
Item	Qty.	Part No.	Description	Size	Length
1	4	10-10054172	CLAMP MOUNTING PLATE	-	-
2	2	90-10025448	HANDRAIL CLAMP ASSY	-	-
3	1	10051358	1515-UL X 48"	-	-
4	1	2415	15 S ECONOMY FLOOR MOUNT BASE PLATE	-	-
5	1	2030-PLAIN	15 SERIES END CAP WITH PUSH-IN FASTENER	-	-
6	8	38615	METRIC HEX HEAD CAP SCREW	M8-1.25	20 MM
7	8	40357	METRIC TYPE A GENERAL PURPOSE FLAT WASHER	M8 X 16 MM OD	-
8	2	13-8416	METRIC FLANGED BUTTON HEAD SOCKET CAP SCREW	M8-1.25	16 MM
9	1	0159740	METRIC HEX HEAD CAP SCREW	M12-1.75	50 MM
10	1	40309	HEX NUT	M12-1.75	-
11	2	38558	METRIC HEX HEAD CAP SCREW	M6-1.0	14 MM
12	10	3838	SLIDE-IN ECONOMY T-NUT, M8, OFFSET	-	-
13	2	30-1961	M6 SLIDE-IN ECONOMY T-NUT - OFFSET THREAD	-	-

*This kit is intended to build (2) posts. 1 post (as shown above) per side of handrail where center support is needed.

BILL OF MATERIALS - CANOPY



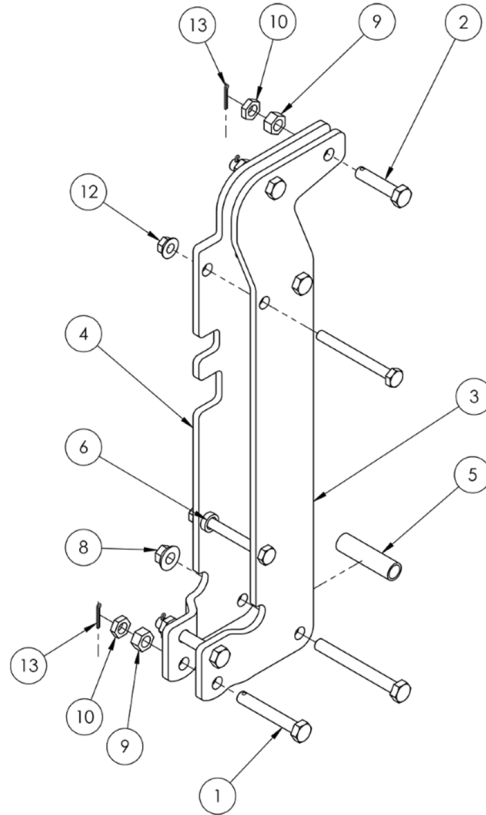
BILL OF MATERIALS - CANOPY

		Small	Med			
Item	Part No.	Qty 10-10019801	Qty 10-10019833	Description	Size	Length
1	10-10014334	4	4	UPPER POST	-	-
2	10-10015238	2	-	INNER ROOF TUBE	-	-
2	10-10019903	-	2	INNER ROOF TUBE (K02)	-	-
3	10-10015241	4	4	HINGE TUBE	-	-
4	10-10015245	2	-	HITCH ROOF TUBE	-	-
4	10-10019897	-	2	HITCH ROOF TUBE (K02)	-	-
5	10-10019112	4	4	SHORT CANOPY OUTER	-	-
6	10-10019114	4	4	CANOPY POST OUTER	-	-
7	10-10019351	12	12	TOP ANGLE	-	-
8	10-10019360	4	-	CANOPY OUTER EXTRUSION	-	-
8	10-10019896	-	4	CANOPY OUTER EXTRUSION	-	-
9	10-10019664	4	4	CANOPY GRIP	-	-
10	10-10019767	4	4	CANOPY SPACER	-	-
11	10-10019797	2	2	RUBBER SPACER	-	-
12	10-10022267	8	8	M6 SQUARE NUT	-	-
13	10-10026637	2	2	CANOPY ROD END II	-	-
14	5636051	4	4	QUICK RELEASE TUBE CLAMP	-	-
15	94282A370	8	8	QUICK RELEASE BUTTON CONNECTOR	-	-
16	93131A510	2	2	METRIC CLEVIS PIN, 12 MM DIA X 28 MM UL	M12	45 MM
17	95335A524	4	4	QUICK RELEASE PIN, RING GRIP, M6 X 20 MM UL, ZINC	-	-
18	95335A533	4	4	QUICK-RELEASE PIN, M6 X 40 MM UL, ZINC	-	-
19	30345T161	8	8	EYE-TO-EYE WIRE ROPE LANYARD, 3/64 DIA, 4" LG, #10 (M5) SCREW SIZE	-	-
20	41125	8	8	STEEL RIVET	3/16"	.126-.250"
21	0173207	8	8	METRIC BUTTON HEAD SOCKET CAP SCREW	M6-1.0	60 MM

BILL OF MATERIALS - CANOPY

		Small	Med			
Item	Part No.	Qty 10-10019801	Qty 10-10019833	Description	Size	Length
22	11127097	8	8	SERRATED FLANGE HEAD CAP SCREW	M6-1.0	30 MM
23	38564	12	12	METRIC HEX HEAD CAP SCREW	M6-1.0	16 MM
24	0185916	28	28	METRIC SERRATED HEX FLANGE NUT	M6-1.0	-
25	31584	48	48	PHILLIPS DRIVE FLAT HEAD TYPE A POINT SHEET SCREW	10-12	5/8"
26	45286	2	2	FASTENAL HAIR PIN COTTER PIN	1/8" DIA	2 9/16"

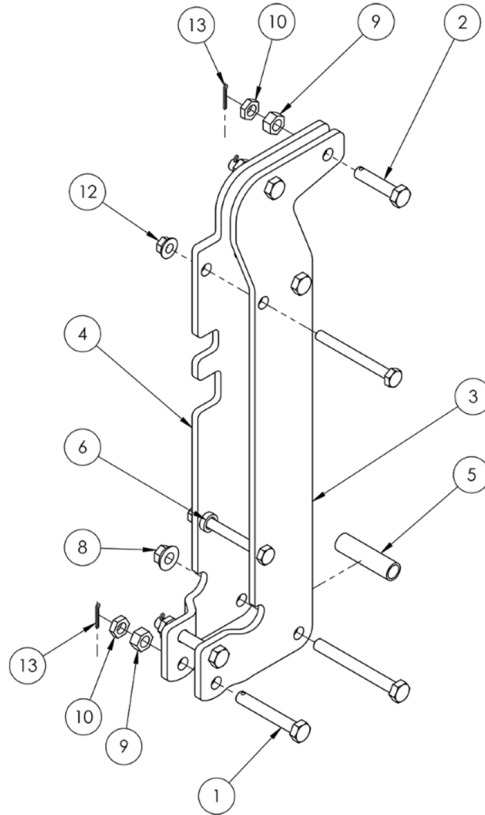
BILL OF MATERIALS - FALL ARREST DEVICE BRACKET - TIRAK



10-10013440 FAD Bracket - TIRAK

Item	Qty	Part No.	Description	Size	Length
1	1	10-10013442	SAFETY BOLT	M12-1.75	80 MM
2	2	10-10013445	SPACER	.75 OD X 0.083 WALL	2.4
3	2	10-10040465	SAFETY BOLT-LONG	M12-1.75	100 MM
4	1	10-10040467	REAR BRACKET WELDMENT	-	-
5	1	10-10040468	FRONT BRACKET WELDMENT	-	-
6	2	38718	METRIC HEX HEAD CAP SCREW	M12-1.75	100 MM
7	2	8M2650000ZP0000	METRIC SERRATED HEX FLANGE NUT Z	M12-1.75	-
8	3	0153641	HEX NUT	M12-1.75	-
9	3	0141492	JAM NUT	M12-1.75	-
10	2	38667	METRIC HEX HEAD CAP SCREW	M10 X 1.5	90 MM
11	2	0185918	METRIC SERRATED HEX FLANGE NUT	M10 X 1.5	-
12	3	65076	COTTER PIN Z	1/8"	1"

BILL OF MATERIALS - FALL ARREST DEVICE BRACKET - DUALIFT



10-10019424 - FAD Bracket - Dualift

Item	Qty	Part No.	Description	Size	Length
1	2	10-10013442	SAFETY BOLT	M12-1.75	80 MM
2	2	10-10016415	SAFETY BOLT	M12-1.75	55 MM
3	1	10-10019425	BRACKET, FRONT-DL	-	-
4	1	10-10019426	BRACKET, REAR-DL	-	-
5	2	10-10026356	SPACER	-	-
6	1	10-10026380	SPACER	-	-
7	2	38719	METRIC HEX HEAD CAP SCREW	M12-1.75	110 MM
8	2	8M2650000ZP0000	METRIC SERRATED HEX FLANGE NUT Z	M12-1.75	-
9	4	0153641	HEX NUT	M12-1.75	-
10	4	0141492	JAM NUT	M12-1.75	-
11	2	38668	METRIC HEX HEAD CAP SCREW	M10 X 1.5	100 MM
12	2	0185918	METRIC SERRATED HEX FLANGE NUT	M10-1.5	-
13	4	65076	COTTER PIN Z	1/8"	1"

