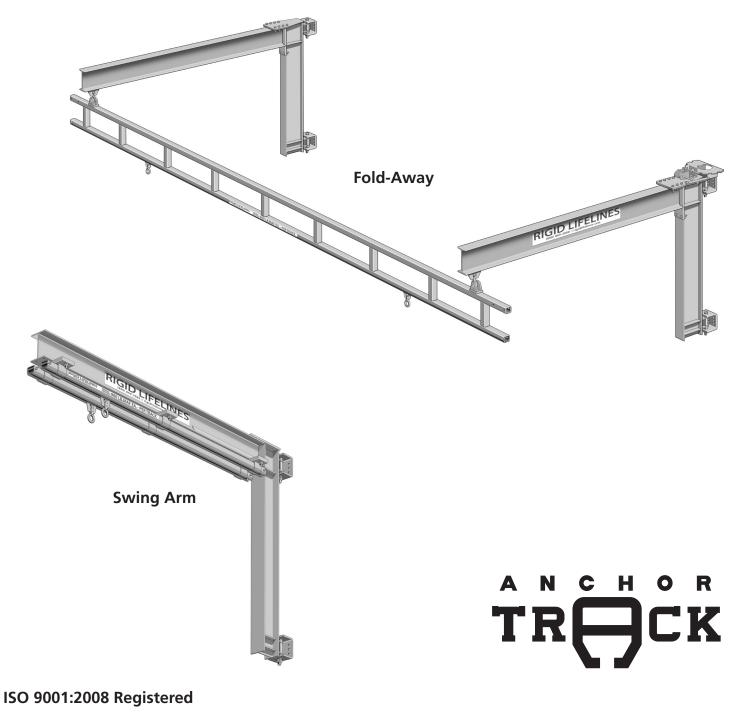


COLUMN-MOUNTED FOLD-AWAY AND SWING ARM ANCHOR TRACK[™] SYSTEMS

Assembly and Operation Instruction Manual



Manual 103-0047



RIGID LIFELINES' CONDITIONS OF USE AND WARNING STATEMENT

- 1. Read, understand, and follow the manual, assembly drawings, and warnings provided with your system **before** beginning installation.
- 2. This manual, and any other instructions, must be provided to the users of this equipment. The user must understand the equipment's proper use and limitations.
- 3. A fall event can result in serious injury or death. This equipment, when used properly, reduces the chances of those outcomes.
- 4. Always perform a hazard analysis **before use** that will identify impact hazards, swing hazards, or any other hazards that may exist. Address and correct all hazards **before use**.
- 5. Always have a written rescue plan that defines who will rescue a fallen worker, what equipment will be used, and optimum rescue response time. If the same system will be used for rescue, a minimum of a two-man system must be specified.
- 6. Follow all current requirements of ANSI Z359 (or CSA Z259 in Canada).
- 7. Each component and system must be employed and maintained in accordance with all OSHA and ANSI standards.
- 8. Per OSHA and ANSI (or CSA Z259 in Canada) requirements, designate a competent person who can fulfill obligations of all regulations.
- 9. Note the maximum number of users and weight capacities are listed on a label on the system. Exceeding the capacities listed on this label can result in serious injury or death.
- 10. Always check for overhead hazards, such as power lines, trees, overhead structures, or walls, before using or moving system.
- 11. Any component replacement, addition, or change to any portion of the system must be evaluated by a Qualified Person as defined by OSHA standards.
- 12. Never use this system for material handling.
- 13. Never use the system with scaffolding.
- 14. Never use the system alone without a monitor. Use the buddy system when using fall protection. The monitor, or "buddy," does not need to be attached to the system, but just nearby supervising.
- 15. Consult with a qualified person for minimum fitness requirements for workers. Determination of minimum fitness levels of workers prior to use of system is by others.
- 16. For mobile systems—It is the responsibility of the user and their management's Competent Person to determine that the system's base is level, the masts are plumb, and that the entire, leveled system is stable before every use.
- 17. For moveable track systems—Always use the system in work spaces that allow you to move the system's runway as close as possible to the center of the work area.
- 18. Before each use, inspect the system for bent, broken, cracked, or missing components.
- 19. A competent person must thoroughly inspect the system **annually** and **after each fall event**.
- 20. There should never be any type of loading past the end stops for any reason.
- 21. When connecting track sections, track splice and truss splice plates are required. For trussed track, splice joint centers must be within 48 inches of the hanger support centers unless otherwise specified. For plain track, splice track centers must be within 18 inches of the hanger support centers unless otherwise specified.
- 22. Systems with flush clamp hangers do not require sway bracing. However, all systems mounted to the ceiling must be laterally and longitudinally braced with bracing provided by others.



RIGID LIFELINES' CONDITIONS OF USE AND WARNING STATEMENT

- 23. If supplied, all drive systems are chain driven, and as a result, will experience some backlash in the drive assembly. Although backlash cannot be fully eliminated, it can be reduced by tightening the drive chain. Torque limiters, if supplied, require special attention. Most drive issues result from improper torque limiter adjustment or installation.
- 24. It is the customer's responsibility to confirm that the system and components will work in and are acceptable for their specific application and environment.
- 25. For foundation-mounted systems, bracing is not required for non-seismic applications. However, if any sway is perceived as undesirable, lateral bracing can be installed to the system by others. To achieve desired rigidity for a specific application, Rigid Lifelines[®] recommends consulting a professional engineer in your area to satisfy all codes and ordinances. For foundation-mounted systems, chemical anchor bolts supplied by others are required and must provide approximately 7000-pound pull-out force. More accurate pull-out forces are available upon request.
- 26. Engineering of any attachment points must be done by others.
- 27. Component appearances and dimensions shown are approximate and subject to change without notice. All catalog dimensions are developed using standard components for the spans and capacities. Substitution of optional trolleys or other components will affect certain dimensions.
- 28. All Rigid Lifelines' Anchor Track[™] Systems meet or exceed OSHA and ANSI requirements.
- 29. Never load the track at an angle greater than specified in the system's user manual.
- 30. Never use the system with the attachment point below the D-Ring of the harness.
- 31. Only the following self-retracting lanyard (SRL) design specifications are acceptable for use on Rigid Lifelines' Anchor Track Systems:
 - a) 900-pound maximum average arresting force (MAAF)
 - **b)** 4.5 feet-per-second lock up speed
 - c) Disk or drum braking mechanism
 - d) Wire rope SRL's can be used for indoor or outdoor applications
 - e) Fabric or web SRL's can be used only for indoor applications
- 32. The following SRL's absorbers are **not** acceptable: rip-stitch packs, shock packs, or stretchable energy.
- 33. Choose the shortest length SRL that will allow the workers to perform their job function. The shortest length SRL will reduce total fall distance by reducing "cable cinching" on the internal SRL pulley. Fabric lanyards stretch under load. The longer the lanyard, the longer the stretch.
- 34. Never use metallic cables or metallic SRL's around electrical power sources.
- 35. Only an ANSI (or CSA in Canada) full-body harness is acceptable for use on Rigid Lifelines' Anchor Track Systems.
- 36. Never use body belts on this system.
- 37. Never add additional carabiners, D-Rings, shackles, or connecting hardware to this system.
- 38. On Traveling Bridge Anchor Track Systems, always position the bridge(s) directly overhead of worker(s) at all times.
- 39. If a boom is provided, never apply a lateral load at the boom tip.
- 40. Never deviate from the above unless you have written permission and authorization from Rigid Lifelines.



Follow the Inspection Checklists in this manual: review the first checklist before each use and the second checklist for after a fall event and annual inspections.

The systems described in this manual are intended for indoor use. Systems used for outdoor service require special consideration.

It is the customer's responsibility to ensure that building columns or walls are adequate to support the system.

NEVER hang a system from existing building structure without first consulting a qualified architect or engineer to determine if the structure fan safely support the loads imposed on the structure. Failure to check this item can result in injury or death.

The installer is responsible for supplying the correct size, length, number, and type of bolts required to attach the system wall brackets to the structure. Rigid Lifelines® recommends that the bolts be *ASTM A325* grade.

FOR FOLD-AWAY SYSTEMS, NEVER EXCEED 30 DEGREES OFF-PLUMB (OFF-CENTER) LOADING.

FOR SWING ARM SYSTEMS, NO OFF-PLUMB LOADING IS ALLOWED. WORKERS MUST REMAIN DIRECTLY UNDERNEATH THE TRACK.

In the design of the Fold-Away and Swing Arm systems, deflection will occur due to the self weights of the system, the structure the systems are mounted to, and forces during a fall event. These factors combined could mean that the fallen worker or workers could glide slowly down the track. Although Rigid Lifelines does design the systems to accommodate for deflection, Rigid Lifelines recommends that the installer adjust the column weldment tip equal to the elevation of Length in inches/300 above the column weldment center. Shims can be used between the wall columns and wall brackets to make this adjustment. For example, Length in inches/300 for a 20-foot span is equal to (12X20)/300=0.8 inches, or approximately 3/4 inches. So for a 20-foot span, the column weldment tip must be approximately 3/4 inches higher than the inner most part of the column weldment.

SYSTEM APPLICATIONS

The Column-Mounted Fold-Away and Swing Arm Anchor Track[™] Systems are used for fall protection applications. These fall protection systems are labeled with maximum number of users and maximum arresting force; follow all limitations as noted on system labels. Each user must attach to the Fold-Away and Swing Arm track using a personal fall arrest system.

STANDARDS AND COMPLIANCE

Please refer to local, state, and federal (OSHA) requirements governing occupational safety for additional information regarding personal fall arrest systems. The Column-Mounted Fold-Away and Swing Arm Anchor Track Systems meet or exceed the requirements set forth in OSHA 1910, OSHA 1926, and ANSI Z359.

REQUIRED TRAINING

The Column-Mounted Fold-Away and Swing Arm Anchor Track Systems are intended to be used by people who are trained in their correct application and use. It is the responsibility of the users and the users' management to assure that they are familiar with these instructions and are trained in the correct use and care of this equipment. Authorized users must also be aware of the operating characteristics, application limits, and the consequences of improper use, which can result in serious injury or death.

Follow ANSI Z359.2 for instructions on how to set up a proper Fall Protection Program within your facility. ANSI Z359.2 *Minimum Requirements for a Comprehensive Managed Fall Protection Program* is available at: <u>www.asse.org</u>.

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ASSEMBLY INSTRUCTIONS

1. Equipment Needed for Assembly

- **a)** This manual
- **b)** Applicable safety equipment for workers' use during assembly, such as hard hats, safety shoes, etc.
- c) Telescoping fork truck or crane (minimum lifting height: 30 feet; minimum capacity: 2,000 pounds)
- d) Man lift/cherry picker (minimum height: 30 feet)
- e) Measuring tape
- **f)** Torque wrench
- **g)** Lifting straps
- h) Plumb bob
- i) Two six-inch by six-inch (or larger) wood blocks
- j) Long carpenter's level
- k) Wrench/Sockets sizes: 3/4 inch, 15/16 inch, 1 1/8 inch, 1 1/2 inch, and 1 7/8 inch
- I) A spacious, level area for assembly (e.g., parking lot)
- m) A way to mark hanger locations, such as a permanent marker
- **n)** *FA-FA-ASSEMBLY,* hereafter referred to as *Fold-Away Assembly Drawing*, will be included as a separate document.
- •) FA-SWING-ARM-ASSEMBLY, hereafter referred to as Swing Arm Assembly Drawing, will be included as a separate document.
- **p)** *FA-FA-SWING-ARM-LPD*, hereafter referred to as *Fold-Away and Swing Arm Label Placement Drawing*, will be included as a separate document.
- **q)** The Anchor Trolley[™] User Instruction Manual (Manual 103-0054), which is packaged with the Anchor Trolley, will be included as a separate document

2. Inventory

- a) Open all bundles and confirm that all components are accounted for: see *Building Materials Description* located in the top right corner of the Fold-Away or Swing Arm Assembly Drawing. Note that the quantity of components in an assembly are multiplied by the number of the assemblies.
- **b)** Check for damage to components that may have occurred during shipping.

3. Attach the Boom Weldments to the Column Weldments

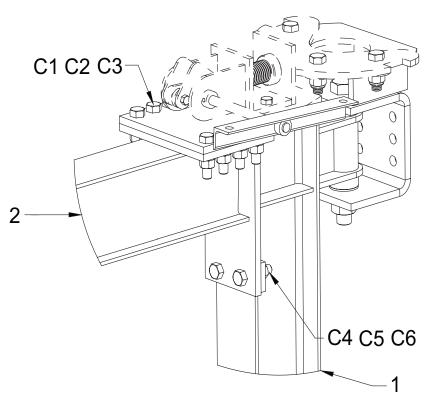
Refer to Fold-Away or Swing Arm Assembly Drawing for Steps A Through G

- a) As per **Detail "B,"** align the holes in the top of the boom weldment (2) with the holes in the top of the column weldment (1).
- **b)** As per **Detail "B,"** insert eight bolts (C1) through the aligned holes in the boom weldment (2) and the column weldment (1).
- c) As per Detail "B," securely snug eight split lock washers (C3) and nuts (C2) to the bolts (C1).
- **d)** As per **Detail "B,"** align the holes in the bottom of the boom weldment (2) with the holes in the side of the column weldment (1).
- e) As per **Detail "B,"** insert two bolts (C4) through the aligned holes in the boom weldment (2) and the column weldment (1).
- f) As per Detail "B," securely snug two split lock washers (C6) and nuts (C5) to the bolts (C4).

NOTE: For hardware dimensions of parts C1-C6, see the "**Boom Weldment to Column Weldment Hardware**" table at the bottom left of the Fold-Away or Swing Arm Assembly Drawing.

g) Repeat steps **a**) through **f**) to attach the remaining boom weldments (2 in *Building Materials Description*) to the remaining column weldments (1 in *Building Materials Description*).

Detail "B" (Boom Weldments and Boom Lock to Column Weldments)



Item	Description	
1	Column Weldment	
2	Boom Weldment	
C1	Hex Head Bolt	
C2	Nut, Hex	
C3	Split Lock Washer	
C4	Hex Head Bolt	
C5	Nut, Hex	
C6	Split Lock Washer	

4. If Provided, Attach the Boom Lock to the Column Weldment

Refer to Fold-Away or Swing Arm Assembly Drawing for Steps A Through K

NOTE: If you ordered a motorized system, skip this step, **5. Attach the Boom Lock to the Column Weldment**, and go to pages 14-16 for installation instructions of the motorized option. If you did not order a motorized system, only one arm (a column weldment [1 in *Building Materials Description*] and a boom weldment [2 in *Building Materials Description*] bolted together) gets a boom lock (B in *Building Materials Description*). Use the steps below to attach the boom lock (B in *Building Materials Description*) to the column weldment (1 in *Building Materials Description*).

- a) As per **Detail "B,"** align the holes in the boom lock weldment (B5 or B9) with the column weldment (1).
- **b)** As per **Detail "B,"** align the washer (B9 or B13) with the bottom hole of the boom lock weldment (B5 or B9).
- c) As per **Detail "B,"** insert a bolt (B6 or B10) through the aligned holes in the boom lock weldment (B9), column weldment (1), and washer (B9 or B13).
- d) As per **Detail "B,"** securely snug a split lock washer (B8 or B12) and a nut (B7 or B11) to the bolt (B6 or B10).
- e) As per **Detail "B,"** align the holes in the boom lock assembly (B1) with the front holes in the column weldment (1) closest to the boom weldment (2).
- **f)** As per **Detail "B,"** insert two bolts (B2) through the aligned holes in the boom lock assembly (B1) and the column weldment (1).
- g) As per **Detail "B,"** securely snug two split lock washers (B4) and two nuts (B3) to the bolts (B2).
- **h)** Install the rope onto the angle of the boom lock assembly (B1 *Building Materials Description*).

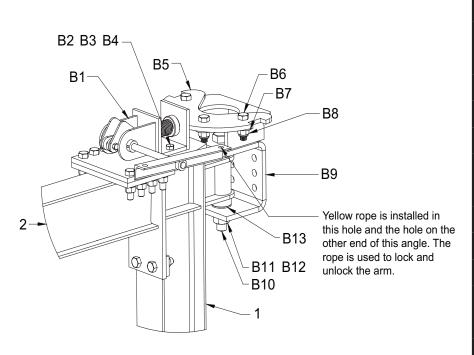
NOTE: Steps i) through k) are for a **Fold-Away system only.** See the note at the bottom of this page.

- i) As per **Detail "B,"** align the holes in the plate (B5) with the holes in the boom lock weldment (B9). Ensure that the open end of the plate (B5) is facing away from the boom lock assembly (B1).
- **j)** As per **Detail "B,"** insert four bolts (B6) through the aligned holes in the plate (B5) and the boom lock weldment (B9).
- **k)** As per **Detail "B,"** securely snug four flat washers (B7) and locknuts (B8) to the bolts (B6).

NOTE: The notched locking plate (B5), bolts (B6), flat washers (B7), and locknuts (B8) are used for Fold-Away systems only. See **Detail "B"** on the Swing Arm Assembly Drawing for an illustration of the Swing Arm boom lock.



Detail "B" (Boom Weldments and Boom Lock to Column Weldments for Fold-Away)



Item	Description	
1	Column Weldment	
2	Boom Weldment	
B1	Boom Lock Assembly	
B2	1/2-inch by 2-inch Hex Head Bolt	
B3	1/2-inch Hex Nut	
B4	1/2-inch Split Lock Washer	
B5	Notched Locking Plate	
B6	5/8-inch by 2-inch Hex Head Bolt	
B7	5/8-inch Flat Washer	
B8	5/8-inch Hex Locknut	
B9	Boom Lock Weldment	
B10	1-inch by 9-inch Hex Head Bolt	
B11	1-inch Hex Nut	
B12	1-inch Split Lock Washer	
B13	2-inch OD Thrust Washer	

5. Attach the Arms to the Wall Columns

Refer to Fold-Away or Swing Arm Assembly Drawing for Steps A Through G

NOTE: If you ordered a motorized system, a motorized arm (a column weldment [1 in *Building Materials Description*] and a boom weldment [2 in *Building Materials Description*] bolted together) must go on every other wall column. If you did not order a motorized system, it does not matter where the arm with the boom lock goes. However, somewhere near the middle is preferred.

- a) Using pages 12-13, mark the hole locations on the wall column.
- **b)** Drill holes at the marked locations. See pages 12-13 for hole sizes.

NOTE: If you plan on using mechanical stops, install them now. See pages 17-18 for more information and installation instructions. Longer wall column mounting bolts may be required because of the additional plate(s).

- c) Using a crane and lifting straps, lift the arm to the drilled holes in the wall column.
- d) Use a man lift or cherry picker to reach the arm.
- e) Using bolts supplied by the installer, bolt the wall brackets (A1) to the wall column. If needed or if the system is motorized, use wall bracket shims (22 on page 14) to keep the arms level to the wall columns.
- f) Using a plumb bob, check the alignment of the bolts in two planes by selecting a bolt from the top wall bracket (A1) and measuring to the same bolt on the lower wall bracket (A1). The alignment must be within 1/16 inches from top to bottom.
- **g**) Repeat steps **a**) through **f**) to attach the remaining arms to the wall columns.

6. Attaching the Track to the Boom Weldments (Fold-Away Only)

Refer to Fold-Away Assembly Drawing for Steps A Through U

a) Using a measuring tape and a permanent marker, measure and mark one-foot six-inches in from each end of the track (D in *Building Materials Description*) for standard overhang. These locations are where the hanger kits (F in *Building Materials Description*) should be installed on the end boom weldments (2 in *Building Materials Description*).

NOTE: One-foot six-inch overhang is standard. Refer to your Final Fabrication Drawing for correct overhang lengths.

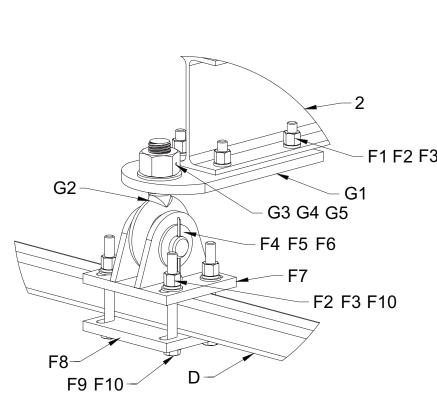
- **b)** As per **Detail "E,"** insert four bolts (F9) through four flat washers (F10).
- c) As per Detail "E," place a tube bracket weldment (F7) on the marked spot on the track (D).
- **d)** As per **Detail "E,"** place a tube bracket plate (F8) directly underneath the tube bracket weldment (F7) and underneath the top truss of the track (D).
- e) As per **Detail "E,"** align the holes in the tube bracket weldment (F7) with the holes in the tube bracket plate (F8).
- **f)** As per **Detail "E,"** insert the bolts (F9) and flat washers (F10) through the tube bracket plate (F8) so that the flat washers (F10) are between the bolt head and the bottom of the tube bracket plate (F8).
- **g)** As per **Detail "E,"** secure snug flat washers (F10), split lock washers (F2), and locknuts (F3) to the bolts (F9) so that the split lock washers (F2) are between the flat washers (F10) and locknuts (F3).

NOTE: The Fold-Away plate (G1), eye hook (G2), thrust washer (G3), nut (G4), and roll pin (G5) should come assembled as one piece and labeled as part number *8-0062*.

- **h)** As per **Detail "E,"** align the holes in the eye hook (G2) with the holes in the tube bracket weldment (F7).
- i) As per **Detail "E,"** insert the load pin (F4) through the aligned holes in the eye hook (G2) and the tube bracket weldment (F7).
- **j)** As per **Detail "E,"** place a washer (F5) on the end of the load pin (F4) with holes for the cotter pin (F6).
- **k)** As per **Detail "E,"** insert the cotter pin (F6) through the holes on the end of the load pin (F4).
- 1) Repeat steps **b**) through **k**) to attach another hanger kit (F in *Building Materials Description*) to the marked spot on the other end of the track (D in *Building Materials Description*).
- **m)** Using a crane and lifting straps, lift the track (D in *Building Materials Description*) to an end arm (a column weldment [1 in *Building Materials Description*] and a boom weldment [2 in *Building Materials Description*] bolted together).
- **n)** Use a man lift or cherry picker to reach the track (D in *Building Materials Description*) and end arm.
- **o)** As per **Detail "E,"** position the track (D in *Building Materials Description*) and attached components (F2-G5) so that the Fold-Away plate (G1) is directly underneath the boom weldment (2).

NOTE: Track splice joints (E1 in *Building Materials Description*) must be within 48 inches of a boom weldment (2).

- p) As per Detail "E," align the holes in the Fold-Away plate (G1) with the holes in the boom weldment (2).
- **q)** As per **Detail "E,"** insert four bolts (F1) through the aligned holes in the Fold-Away plate (G1) and boom weldment (2).
- **r)** As per **Detail "E,"** securely snug split lock washers (F2) and locknuts (F3) to the bolts (F1) so that the split lock washers (F2) are between the boom weldment (2) and locknuts (F3).
- s) Repeat steps m) through r) to attach the track (D in *Building Materials Description*) to the other end arm (a column weldment [1 in *Building Materials Description*] and a boom weldment [2 in *Building Materials Description*] bolted together).
- t) Now that the track (D in *Building Materials Description*) is attached to the end arms, repeat steps
 b) through k) and m) through r) to attach the track (D in *Building Materials Description*) to the remaining arms.
- **u)** After the track (D in *Building Materials Description*) has been securely snugged to all arms, torque all locknuts (F3 in *Building Materials Description*) to 51 foot-pounds.



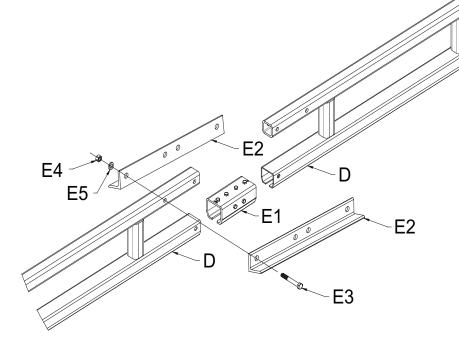
ltem	Description
2	Boom Weldment
D	Track
F1	1/2-inch by 2 1/2-inch Hex Head Bolt
F2	1/2-inch Split Lock Washer
F3	1/2-inch Hex Locknut
F4	Load Pin
F5	1 1/8-inch Washer
F6	5/32-inch by 3-inch Cotter Pin
F7	Tube Bracket Weldment
F8	Tube Bracket Plate
F9	1/2-inch by 5 1/2-inch Hex Head Bolt
F10	1/2-inch Flat Washer
G1	Fold-Away Plate
G2	Eye Hook
G3	1 1/8-inch Washer
G4	1 1/8-inch Hex Nut Drilled for Pin
G5	1/8-inch by 1 3/4-inch Roll Pin

Detail "E" (Track to Boom Weldments)

7. If Provided, Attaching the Track Splice to the Track Sections

Refer to Fold-Away or Swing Arm Assembly Drawing for Steps A Through I

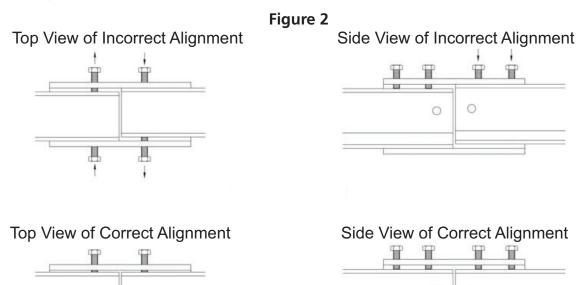
- a) Track splices are only required for systems containing more than two arms (a column weldment [1 in *Building Materials Description*] and a boom weldment [2 in *Building Materials Description*] bolted together). If you purchased a system with more than two arms, follow the steps below to attach the track splice to the track sections. If your system doesn't require a track splice, proceed to step 8. Final Assembly.
- **b)** As per **Figure 1**, the track splice joint (E1) comes assembled using a sleeve with a total of eight set screws threaded into the top and both sides.
- c) As per **Figure 1**, slide the track splice joint (E1) over the end of the first track section, then butt the second track section against the first. Center the track splice joint (E1) over both track section ends.
- **d)** As per **Figure 1**, **hand tighten** the top two center set screws to push the track sections against the base of the track splice joint (E1) until both track section bottom surfaces are aligned. Adjust both sets of side set screws so that the track slots are aligned and there is a smooth transition from one track section to the other.
- e) As per Figure 1, after you properly align the track sections (see Figure 2 on page 9), tighten the top set screws first before tightening the side set screws. Do not over-tighten set screws.
- **f)** As per **Figure 1**, bolt the track splice angles (E2) to the top of the track sections on both sides using split lock washers (E5), locknuts (E4), and bolts (E3). Torque the locknuts (E4) to 51 foot-pounds.



ltem	Description	
D	Track Section	
E1	Track Splice Joint	
E2	Track Splice Angle	
E3	1/2-inch by 4-inch Hex Head Bolt	
E4	1/2-inch Hex Locknut	
E5	Split Lock Washer	

Figure 1

g) As per Figure 2, the track splice joint must be properly aligned with the track sections.



- **h**) If you ordered a multiple track system, repeat steps **b**) through **g**) to attach the remaining track splice(s) to the track sections.
- i) Refer to **Detail "D"** for an illustration of the properly attached track splice to the track sections.

E3 E4 E5 E2 0 (\mathfrak{I}) Π E1 D

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ltem	Description	
D	Track Section	
E1	Track Splice Joint	
E2	Track Splice Angle	
E3	1/2-inch by 4-inch Hex Head Bolt	
E4	1/2-inch Hex Locknut	
E5	Split Lock Washer	

NOTE:

For a dual track system, the track splice kit (E in Building Materials Description) is part number 8-0068-DST and doesn't include a split lock washer (E5).

ltem	Description	
D	Track Section	
E1	Track Splice Joint	
E2	Track Splice Angle	
E3	1/2-inch by 4-inch Hex Head Bolt	
E4	1/2-inch Hex Locknut	
E5	Split Lock Washer	

Detail "D" (Track Splice to Track Sections)

8. Final Assembly

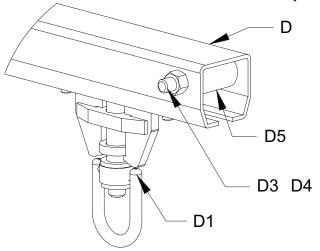
Refer to Fold-Away or Swing Arm Assembly Drawing for Steps A Through G

- a) Ensure that the track (D in *Building Materials Description*) is secured properly to the boom weldments (2 in *Building Materials Description*) and that the column weldments (1 in *Building Materials Description*) are securely fastened to the wall column.
- **b)** Confirm that all of the system's nuts are torqued to the required specifications below prior to removing support rigging (your telescoping fork truck or crane) from any component.

Bolt Diameter	Hex Nut Torque	Minimum Hex Locknut Torque
1/2 inch	78 foot-pounds	51 foot-pounds
5/8 inch	154 foot-pounds	93 foot-pounds
3/4 inch	257 foot-pounds	151 foot-pounds
7/8 inch	341 foot-pounds	224 foot-pounds
1 inch	514 foot-pounds	325 foot-pounds

NOTE: The pivot pin nuts (A3 and B11 for Fold-Away systems or A3 and B7 for Swing Arm systems) should be torqued to 40 foot-pounds for 1-inch diameter bolts and 75 foot-pounds for 1 1/4-inch diameter bolts.

- c) As per **Detail "C,"** insert your Anchor Trolley[™] (D1) into the track (D). For a multiple track system, install one Anchor Trolley per track.
- **d)** As per **Detail "C,"** install the track's end stops by inserting the bolts (D3) through the holes at both ends of the track (D) and through the rubber sleeves (D5).



Detail "C" (Trolley[s] and End Stops to Track)

ltem	Description	
D	Track	
D1	Swiveling Connector Anchor Trolley	
D3	End Stop Bolt	
D4	1/2-inch Hex Locknut	
D5	End Stop Rubber Sleeve	

NOTE: The 1/2-inch hex locknuts (D4) should be torqued until snug against the track. Be careful not to damage the track in any way.

- e) Attach and torque the end stop nuts (D4) until snug against the track.
- **f)** For multiple track systems, repeat steps **a)** through **e)** to insert the remaining Anchor Trolleys (D1) into the remaining tracks (D).
- **g)** This system must be used with an ANSI-rated self-retracting lanyard (SRL). Connect your SRL and retrieval tagline in accordance with the manufacturer's specifications and your training.

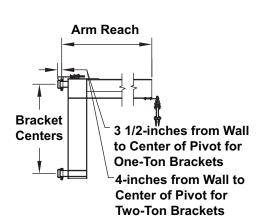
BRACKET CENTER DISTANCE AND HOLE LOCATIONS

Refer to Figure 3, Figure 4, and Figure 5 for Steps 1 Through 3

- Confirm dimensions in Figure 3 and Figure 4 with your Final Fabrication Drawing. If the dimensions are 1. different, follow your Final Fabrication Drawing.
- Use **Figure 3** to determine the bracket center distance and bracket style. 2.
- 3. Use **Figure 4** or **Figure 5** to determine where to drill the holes for each column weldment (1 in *Building*) Materials Description).

Figure 3

When marking hole locations, start with the center mark. 4.



	5	
Fold-Away		old-Away
	Arm Reach	Bracket Center Distanc
	4 feet-8 feet	4 feet
	9 feet-14 feet	5 feet
	15 feet-20 feet	6 feet

Fold-Away	
Arm Reach	Bracket Style
4 feet-20 feet	One Ton

wing Arm
Bracket Center Distance
4 feet
5 feet
6 feet

Swing Arm					
Arm Reach	Bracket Style				
*6 feet-22 feet	One Ton				
23 feet-30 feet	Two Ton				

*A one person Swing Arm system with a 22-foot arm reach uses one-ton brackets. A two person Swing Arm system with a 22-foot arm reach uses two-ton brackets.

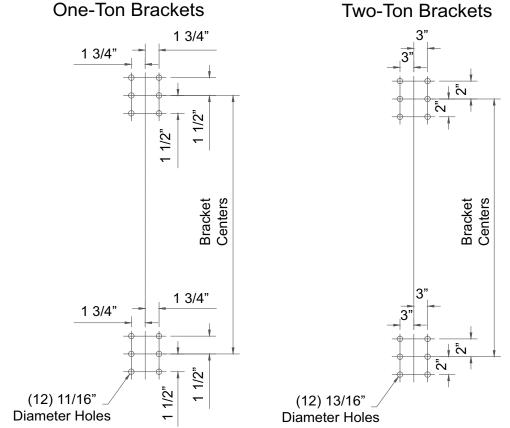
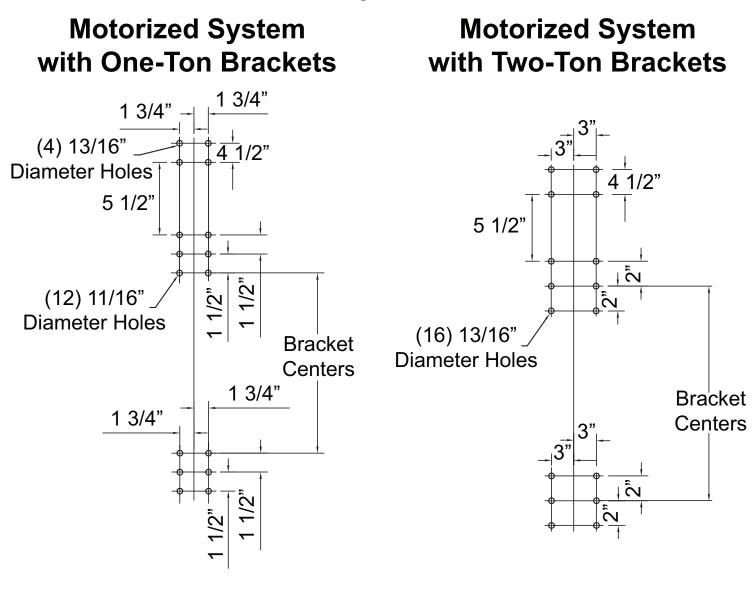


Figure 4

e

1-844-467-4443 | Rigid Lifelines Column-Mounted Fold-Away and Swing Arm Anchor Track Systems

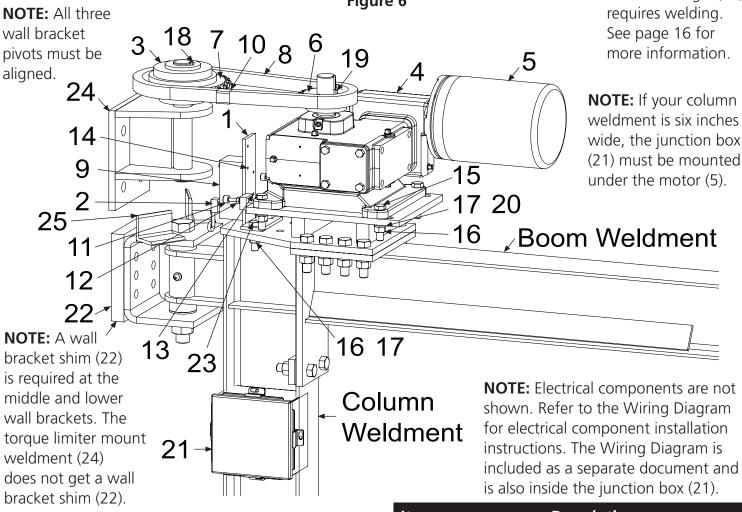
Figure 5



13

MOTORIZED OPTION

Figure 6



ltem	Description
1	Fall Arrest Limit Switch Mount
2	Lever, Limit Switch ADJ P/N 802 T-W2
3	Limiter, Torque
4	Reducer
5	Motor, 10 V 1/3 HP 1725 RPM 56 C, 230/460
6	Sprocket, Type B
7	Limiter, Sprocket
8	Chain, Roller
9	Limit Switch, Weatherized 802 T-NPTP
10	Link, Connection
11	1/4-inch by 2-inch Socket Head Cap Screw
12	1/4-inch Hex Nut (7/32-inch H)

Item	Description					
13	RND HD Machine Screw 10-32 by 5/8-inch LG					
14	RND HD Machine Screw 10-32 by 1 1/4-inch LG					
15	1/2-inch by 2 1/2-inch Hex Head Bolt					
16	1/2-inch Hex Nut					
17	1/2-inch Split Lock Washer					
18	Key Stock					
19	Key Stock					
20	1/2-inch Flat Washer					
21	Junction Box					
22	Wall Bracket Shim					
23	1/2-inch by 2-inch Hex Head Bolt					
24	Torque Limiter Mount Weldment					
25	Rotation Actuation Angle					

NOTE: The rotation actuation angle (25)

1-844-467-4443 | Rigid Lifelines® Column-Mounted Fold-Away and Swing Arm Anchor Track ** Systems

MOTORIZED OPTION ASSEMBLY INSTRUCTIONS

Refer to Figure 6 for Steps 1 Through 21

NOTE: The reducer (4) and motor (5) come assembled.

- 1. As per **Figure 6**, insert the key (19) into the top of the reducer shaft (4).
- 2. As per **Figure 6**, slide the sprocket (6) onto the key (19).
- 3. Use a man lift or cherry picker to reach the top of the boom weldment.
- 4. As per **Figure 6**, align the holes in the reducer (4) with attached components (6 and 19) with the holes on the top of the boom weldment.
- 5. As per **Figure 6**, insert four bolts (15) through the aligned holes in the reducer (4) and boom weldment.
- 6. As per **Figure 6**, securely snug flat washers (20), split lock washers (17), and nuts (16) to the bolts (15) so that the split lock washers (17) are between the flat washers (20) and nuts (16).
- 7. As per **Figure 6**, insert two cap screws (11) through two holes in the reducer base.
- 8. As per **Figure 6**, securely snug two nuts (12) to each cap screw (11).

NOTE: The key (18), torque limiter (3), and sprocket (7) come assembled.

- 9. As per **Figure 6**, insert the key (18) and attached components (3 and 7) into the top of the torque limiter mount weldment (24).
- 10. Use a man lift or cherry picker to reach the top of the boom weldment.
- 11. As per **Figure 6**, align the holes in the torque limiter mount weldment (24) with attached components (3, 7, 18) with the top holes drilled in the wall column.
- 12. Using bolts supplied by the installer, bolt the torque limiter mount weldment (24) with attached components (3, 7, 18) to the wall column.
- 13. As per Figure 6, insert the limit switch lever (2) into the limit switch (9).
- 14. As per **Figure 6**, securely snug the limit switch (9) and attached limit switch lever (2) to the limit switch mount (1) using the machine screws (13 and 14).

NOTE: The limit switch mount (1) has four holes in it. You can bolt the limit switch (9) and attached limit switch lever (2) to the top or bottom of the limit switch mount (1). The longer machine screw (14) should be screwed into the top hole of the limit switch (9).

- 15. As per **Figure 6**, align the holes in the limit switch mount (1) with the holes in the boom weldment closest to the wall column.
- 16. As per **Figure 6**, insert two bolts (23) through the aligned holes in the limit switch mount (1) and the holes in the boom weldment closest to the wall column.
- 17. As per **Figure 6**, securely snug split lock washers (17) and nuts (16) to the bolts (23) so that the split lock washers (17) are between the boom weldment and nuts (16).

- 18. As per Figure 6, attach the chain (8) to the sprockets (6 and 7).
- 19. As per Figure 6, attach the link (10) to the chain (8).
- 20. As per **Figure 6**, adjust the chain (8) by loosening the nuts (12) on the cap screws (11). Then tighten the socket head cap screws (11) until the chain (8) has the correct amount of slack. Then tighten the nuts (12) on each cap screw (11) starting with the nut (12) closest to the reducer base to keep the correct amount of slack in the chain (8).
- 21. Weld the rotation actuation angles (25) using the steps below.
 - **a)** Rotate the arm to where it will be while in use.
 - **b)** Rotate the rotation actuation angle (25) so that the limit switch lever (2) hits the rotation actuation angle (25).
 - c) Ensure that the rotation actuation angle (25) is not hitting the arm and that the rotation actuation angle (25) is making contact with the limit switch lever (2). Then weld the rotation actuation angle (25) in place.
 - d) Rotate the same arm to where it will be when not in use.
 - e) Rotate the other rotation actuation angle (25) so that the limit switch lever (2) hits the rotation actuation angle (25).
 - f) Ensure that the rotation actuation angle (25) is not hitting the arm and that the rotation actuation angle (25) is making contact with the limit switch lever (2). Then weld the rotation actuation angle (25) in place.

NOTE: Rotation actuation angles (25) are only required on one arm.

MECHANICAL STOPS (FOLD-AWAY ONLY)

Refer to Figure 7 for Steps 1 Through 8

Use of mechanical stops is not required.

NOTE: Mechanical stops come in kits labeled *FA-BRSK-1*.

- 1. If over rotation of a Fold-Away system is a concern or to keep the track (D in *Building Materials Description*) from hitting the column weldments (1 in *Building Materials Description*), use the provided mechanical stops.
- 2. Mechanical stops should be installed before attaching the arms to the wall columns.
- 3. The installer should determine if the mechanical stops are required.
- 4. The mechanical stops are most effective on a non-motorized system with two arms (a column weldment [1 in *Building Materials Description*] and a boom weldment [2 in *Building Materials Description*] bolted together). Typically, a motorized system will not require mechanical stops.
- 5. As per **Figure 7**, the mechanical stop should be placed on the folding side of the upper wall bracket.
- 6. As per **Figure 7**, the head of the supplied bolt will hit a portion of the column weldments (1 in *Building Materials Description*) and limit the rotation during operation.
- 7. Installing a second stop on a different arm will keep the track (D in *Building Materials Description*) from hitting the arm. The installer should also consider other concerns, such as facility obstructions.
- 8. If retrofitted, properly secure the weight of the system before removing the wall bracket bolts.

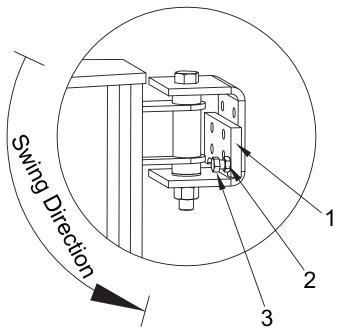


Figure 7

NOTE: The mechanical stop plate (1) is held in place with the bolts that hold the wall bracket to the wall column. These bolts are supplied by others. Longer wall column mounting bolts may be required because of the additional plate(s).

ltem	Quantity	Part Number	Description
1	1	8-0141	One-Ton Bolt On Mechanical Stop Plate
2	1	12-0052	5/8-inch Hex Jam Nut (3/8-inch H)
3	1	10-0311	5/8-inch by 1 1/2-inch Hex Head Bolt

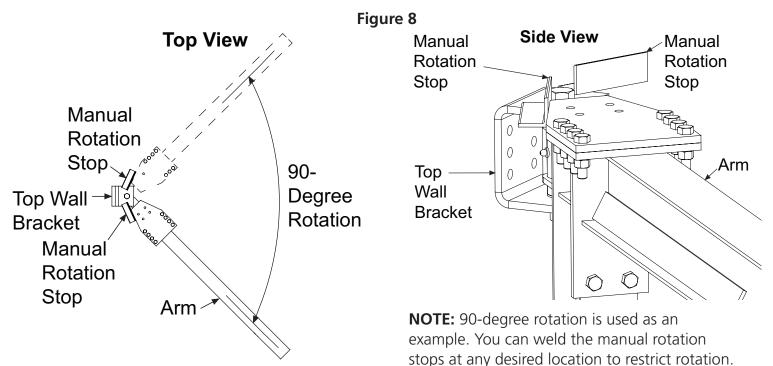
MANUAL ROTATION STOPS (SWING ARM ONLY)

Refer to Figure 8 for Steps 1 Through 11

Use of manual rotation stops is not required.

- 1. If over rotation of a Swing Arm system is a concern, use manual rotation stops. Manual rotation stops are not standard and must be purchased separately.
- 2. To avoid serious injury or death, ensure that users will be able to work directly under the column weldment before installing manual rotation stops. Keeping the worker directly under the column weldment prevents lateral loading of the column weldment, which are not designed for lateral loads.
- 3. Install manual rotation stops last.
- 4. Use a man lift or cherry picker to reach the top of the top wall bracket.
- 5. As per **Figure 8**, rotate the arm to the desired location.
- 6. As per **Figure 8**, place a manual rotation stop on top of the top wall bracket so that one end of the manual rotation stop is on top of the wall bracket and the other end of the manual rotation stop makes contact with the outside of the arm. Ensure that at least one-third of the manual rotation stop makes contact with the outside of the arm.
- 7. Using a permanent marker, trace the location of the manual rotation stop on the top wall bracket.
- 8. Repeat steps **4** through **6** to place the other manual rotation stop correctly.
- 9. Grind the paint away as required, then as per **Figure 8**, place a manual rotation stop on its traced location on top of the top wall bracket.
- 10. As per **Figure 8**, weld the manual rotation stop in place.
- 11. Repeat steps **8** and **9** to weld the other manual rotation stop.

NOTE: Depending on the arm and wall bracket size of your Swing Arm, you may have to relocate the manual rotation stops to a different part of the top wall bracket.



MANUAL EXTEND/RETRACT ROPE KIT (FOLD-AWAY ONLY)

Refer to Figure 9 for Steps 1 Through 3

NOTE: Manual extend/retract ropes come in kits labeled *8-0174*. The swivel eye snap hook (4), thimble (5), aluminum sleeve (6), rope (7), and stop (8) ship assembled.

- 1. Use a man lift or cherry picker to reach the track.
- 2. As per **Figure 8**, screw the eye nut (3) onto an end stop bolt (1) at one end of the track. Ensure that the eye nut (3) is securely snugged against the end stop nut (2). If desired, use blue *Loctite* to lock and seal the eye nut (3) to the end stop bolt (1).
- 3. As per **Figure 8**, hook the swivel eye snap hook (4) to the eye nut (3) so that the swivel eye hangs down.

NOTE: SRL's are not to be used to extend or retract the system or the retract spring in the SRL will become worn, causing the SRL not to retract properly over time. Ensure that the rope (7) is stored out of the way while not in use.

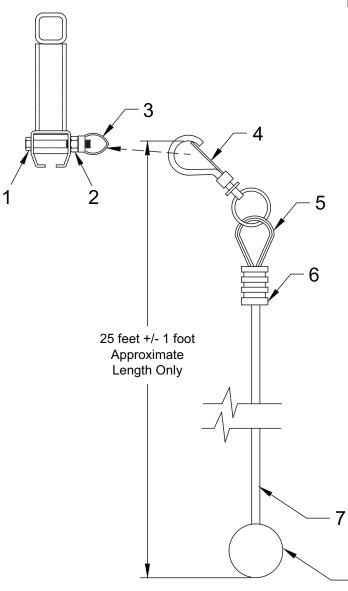


Figure 9

Part Number	Description					
10-02XX	End Stop Bolt					
2 13-0003 1/2-inch End Stop Loc						
8-0180	Eye Nut					
58-0001	Swivel Eye Snap Hook					
71-0003	Thimble					
31-0004	Aluminum Sleeve					
31-0001-25.00	Rope					
31-0003	Stop					
	13-0003 8-0180 58-0001 71-0003 31-0004 31-0001-25.00					

8

MAINTENANCE

- 1. Visually inspect the system before each use and fully inspect the system after a fall event and annually. Refer to the INSPECTION CHECKLISTS in the next section of this manual for checklists for *Fold-Away and Swing Arm Anchor Track*[™] *System* and *Annual Anchor Track*[™] *System*.
- 2. If the system fails ANY inspection point on any of the inspection checklists, immediately remove the system from service and call Rigid Lifelines[®] at 844-467-4443 for instructions.
- 3. During the first month after a new installation, a weekly inspection of the system should be performed using the Annual Anchor Track[™] System Inspection Checklist. It is important to note that every system application and use will be different, meaning some conditions of use will require more frequent inspection. Examples of such conditions include two or three shift operations or working with or near corrosive chemicals or elements.
- 4. Refer to the Anchor Trolley[™] User Instruction Manual (Manual 103-0054), which comes packaged with the Anchor Trolley, for its trolley inspection checklists.
- 5. Download and print additional blank inspection checklists from the literature tab at RigidLifelines.com.



This system must be used with an ANSI-rated self-retracting lanyard (SRL).

If the system is used outdoors, it is highly recommended that a steel cable SRL with heavy-duty housing be used for improved durability against UV radiation and moisture.

A web strap ANSI-rated SRL may be acceptable for use as long as a Competent Person has evaluated the situation and determined that there are no factors present that can have an immediate negative impact on the integrity of the SRL's webbing material AND that the Competent Person inspects the condition of the SRL's webbing and housing prior to each use.

Completely retracting the SRL after each use (e.g., using a retrieval tagline) is essential: otherwise, the SRL's internal spring remains under tension, and it quickly loses its ability to properly arrest a freefall.

Retrieval taglines must never be used as an anchorage; doing so could result in serious injury or death.

LABELING

The letters correspond to the letters on the Fold-Away and Swing Arm Label Placement Drawing. All labeling must be legible and attached to the system. For replacement labels, contact Rigid Lifelines[®].

RIGID LIFELINES' LABEL PLACEMENT DISCLAIMER

If system is shipped unpainted or without properly secured labels, proper label placement is the sole responsibility of the end user. Follow the Label Placement Drawing shipped with this user manual to place labels correctly. Rigid Lifelines cannot be held liable for any damage or injury resulting from omitted or improper label placement.





"**C**"

Image: Instant State St

P/N 53-0023

Notes on Label Placement Drawing

- Label **53-0206 "A"** should be centered on the outside of the end boom weldments on Fold-Away systems. Label **"A"** should be centered on the outside of the boom weldment on Swing Arm systems.
- Label 53-0047 "B" should be placed on both ends of the lower section of trussed track on both sides of each track section.
- Label 53-0359 "C" should be centered on the lower section of trussed track on both sides of each track section and is P/N 53-0535 for one person systems, 53-0536 for two person systems, and 53-0359 for three to eight person systems, along with 53-0413 through 53-0418 respectively. Labels P/N 53-0413 through 53-0418 are the capacity numbers three through eight for the Anchor Track Label and should be placed to the right of the line following "Rigid Lifelines."
- Label 53-0023 "D" should be placed to the left of label "C" on the lower section of trussed track on both sides.
- Swing Arm systems use plain track, so labels "B," "C," and "D" should be centered vertically on the plain track.

COLUMN-MOUNTED FOLD-AWAY AND SWING ARM ANCHOR TRACK[™] SYSTEM INSPECTION CHECKLIST

Before Each Use

Inspector Name: ______
Date:_____
System Number: ______
Model: _____



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	Inspection	Result (🗸)
INSPECTION POINTS	PASS	FAIL
1. Test the swiveling connector(s) on each trolley to verify that each trolley rotates and swivels freely.		
2. Verify that the trolley(s) can easily and smoothly roll the full length of the runway track(s).		
3. Check all system welds for cracks.		
4. Check system components for corrosion.		
5. Check system components for bent or damaged areas.		
6. Check support structure for stability.		
7. Visually check all bolted assemblies for proper connections and properly secured bolts and nuts.		
Support Arm Inspection		
1. Test the operation of the support arms and verify that the arms and connector pivots rotate freely.		
2. Check the support arms for excessive bearing wear.		
3. Check the support arms for loose or missing fasteners.		
4. Check the arm connector pivots for bent or broken parts or welds.		

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AFTER A FALL EVENT AND ANNUAL ANCHOR TRACK[™] SYSTEM INSPECTION CHECKLIST

Inspector Name:	
Date:	
System Number:	
Model:	



	Inspection	Result (🗸)
INSPECTION POINTS	PASS	FAIL
1. Check that the beam clamps are installed horizontal within + / - five degrees.		
2. Check that endstop bolts are present and have locknuts installed.		
3. Using a torque wrench, check that all bolts are present and torqued to values shown on Assembly Drawing.		
4. Check that splices, if supplied, are centered on track joints.		
5. Verify that capacity labels are present, attached, and legible. See Label Placement Drawing.		
6. Verify that the number of trolleys matches the value on the capacity label.		
7. Verify that the fall arrest system is not being used for material handling.		
8. Check the track for levelness within + / - 1/4 inches per 20 feet of track.		
9. Check the track flanges. Track flanges cannot be bent downward more than five degrees.		
10. Check the track thickness. Track thickness cannot be worn more than 10 percent.		
11. Check all system welds for cracks.		
12. Check system components for corrosion and bent or damaged areas.		
13. Check that all wheel studs, if supplied, are torqued to value shown on Assembly Drawing. Note that these 1/2-inch wheel studs have a different torque value than the system's other 1/2-inch bolts.		
14. Verify trolley can traverse entire length of track without snags.		
15. Check trolley for visibly bent swiveling connector, broken welds, or excessive wear or corrosion.		
16. Test the operation of the trolley's swiveling connector and verify that it can rotate freely.		
17. Test the operation of the trolley and verify the wheels rotate freely.		
18. Check system components for loose components.		
19. Check system components for loose or missing fasteners.		
20. Check system support structure for stability.		
21. Verify that hanger assemblies are installed properly and fasteners are torqued to proper values.		
22. Check that the support arms pivot bolts, if supplied, are properly installed and tightened.		
23. Check system for unauthorized modifications. Only Rigid Lifelines can authorize modifications. Remove system from service if it is modified in anyway.		

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Notes

Notes

Notes

PRODUCT WARRANTY COVERAGE

Rigid Lifelines® warrants its products to be free from defects in material and workmanship as follows:

- Engineered Track Equipment: Ten (10) years
- Wearable End Truck Wheels/Anchor Trolley[™] Wheels and Teeth: Ten (10) Years
- Soft Goods, Devices, Connectors, and Accessories: One (1) Year
- Motorized Products and Drive Components: One (1) Year
- Paint and Finishes: Two (2) Years

Ten-Year Warranty Coverage:

- Defects in equipment material and workmanship of manual track systems and equipment
- Wearable parts (End truck wheels and Anchor Trolley wheels and teeth)

Rigid Lifelines warrants its manual Anchor Track[™] Systems and equipment to be free from defects in material and workmanship for a period of ten (10) years or 20,000 hours, commencing on the date of shipment to the first retail purchaser. This warranty extends to non-wearable parts only, with the exception of the wheels supplied on end trucks and Anchor Trolley wheels and teeth.

Two-Year Warranty Coverage:

• Paint coatings and finishes

Rigid Lifelines warrants its paint and finishes for a period of two (2) years. Warranty claims related to coatings must be accompanied by documentation of the product's application and environmental conditions from time of delivery to time of claim.

One-Year Warranty Coverage:

- Defects in equipment and workmanship of motorized systems and equipment
- Defects in soft goods, devices, connectors, and accessories

Rigid Lifelines warrants motorized equipment to be free from defects in material and workmanship for a period of one (1) year or 2,000 hours, commencing on the date of shipment to the first retail purchaser.

Rigid Lifelines also warrants fall protection soft goods, devices, connectors, and accessories to be free from defects in material and workmanship for a period of one (1) year, commencing on the date of shipment to the first retail purchaser.

Warranty Terms and Conditions:

Rigid Lifelines' obligation under this warranty is limited to the replacement or repair of Rigid Lifelines' products at the factory or separate location approved by Rigid Lifelines. Other than the above mentioned warranty, Rigid Lifelines will not honor any other warranties—whether expressed, implied, or statutory—and disclaims any warranties of merchantability or fitness for a particular purpose. Rigid Lifelines has the right to reject any warranty claim due to harsh and/or inappropriate environmental conditions.

Rigid Lifelines[®] Is Not Liable for:

- Indirect, incidental, or consequential damages including lost profits, operating costs, loss of production, or travel expenses
- Components or accessories not manufactured by Rigid Lifelines (with the exception of soft goods components and accessories sold and warranted by Rigid Lifelines) Defective equipment or system failure due to misuse, negligence, improper installation or maintenance
- Equipment that has been used in excess of its rated capacity or beyond its service factors
- Equipment that has been altered without Rigid Lifelines' written authorization
- Damage incurred by freight carriers
- Any loss, injury, or damage to persons or property resulting from failure or defective operation of material or equipment
- This warranty is void for any product that is designed to deform or absorb energy during a fall event and needs to be replaced after a fall event has occurred

Reimbursement Disclaimer:

- Written notice of any claimed defect must be given to Rigid Lifelines within ninety (90) days of shipment
- All requests for reimbursement must be accompanied by proper documentation
- Reimbursement is provided in the form of a credit unless otherwise approved by Rigid Lifelines' management
- Reimbursement for labor will be provided at a maximum rate of \$75 per hour
- All reimbursement is subject to approval by Rigid Lifelines' management

SERVICE POLICY

- 1. Obtain as much information as possible concerning the problem through personal observation by yourself or other authorized personnel familiar with the job and equipment: include model, serial and/or part numbers, voltages, speeds, and any other special identifying features. Be prepared to discuss the situation in detail.
- 2. All authorized labor charges will be based on straight time. Hourly rates, estimated man hours, and not to exceed total dollar amount required for corrections are to be agreed upon before authorization is given. There will be no allowances for overtime except in dire emergencies and then only with prior approval.
- 3. A verbal agreement may be reached immediately on both the method of correction and the approximate cost. A warranty authorization number will be assigned for the specific incident. A confirming written authorization will be forwarded to the distributor.
- 4. The distributor must send an itemized invoice showing our release number or invoice number and warranty authorization number after authorized corrections have been made. A credit memo will be issued by accounting after the invoice has been received and approved. Warranty charges ARE NOT to be deducted from outstanding open account invoices under any circumstances.
- 5. Any field corrections made prior to an authorization by Rigid Lifelines will not be accepted as a warranty charge or the responsibility of Rigid Lifelines. Any modification to the equipment made without prior approval of the seller will void all warranties. A verbal authorization for modification may be obtained, in which event a warranty authorization number will be assigned for the specific modification. A confirming written authorization will be forwarded to the distributor.

ABOUT RIGID LIFELINES®

OUR MISSION:

Rigid Lifelines is driven by passion for providing our customers with quality, user-friendly solutions to keep workers safer and more productive at elevation.

OUR COMMITMENT

Rigid Lifelines' professionals are dedicated to designing and manufacturing a variety of fall protection systems that meet or exceed OSHA requirements and ANSI Z359 code. Our team of engineers and safety professionals combine over 30 years of experience in the fall protection industry to manufacture fall protection systems that utilize the most advanced technology and designs.

Rigid Lifelines' production facilities are certified under the ISO 9001:2008 Quality Management System to provide superior quality products. And every welder at Rigid Lifelines is certified to handle steel (D1.1) and aluminum (D1.2) in accordance with the rigorous requirements and lab testing established by the American Welders Society (AWS).

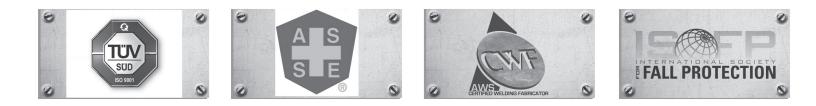
Rigid Lifelines' engineers are involved with ANSI Z359 Technical Review Committee and the ANSI Z359.19 Rigid Horizontal Rail Standard. We also participate with the Safety & Health Technology Committee of the Association of Iron & Steel Technology. Our involvement allows us to keep a constant pulse on the trends in both industry practice and government regulation.

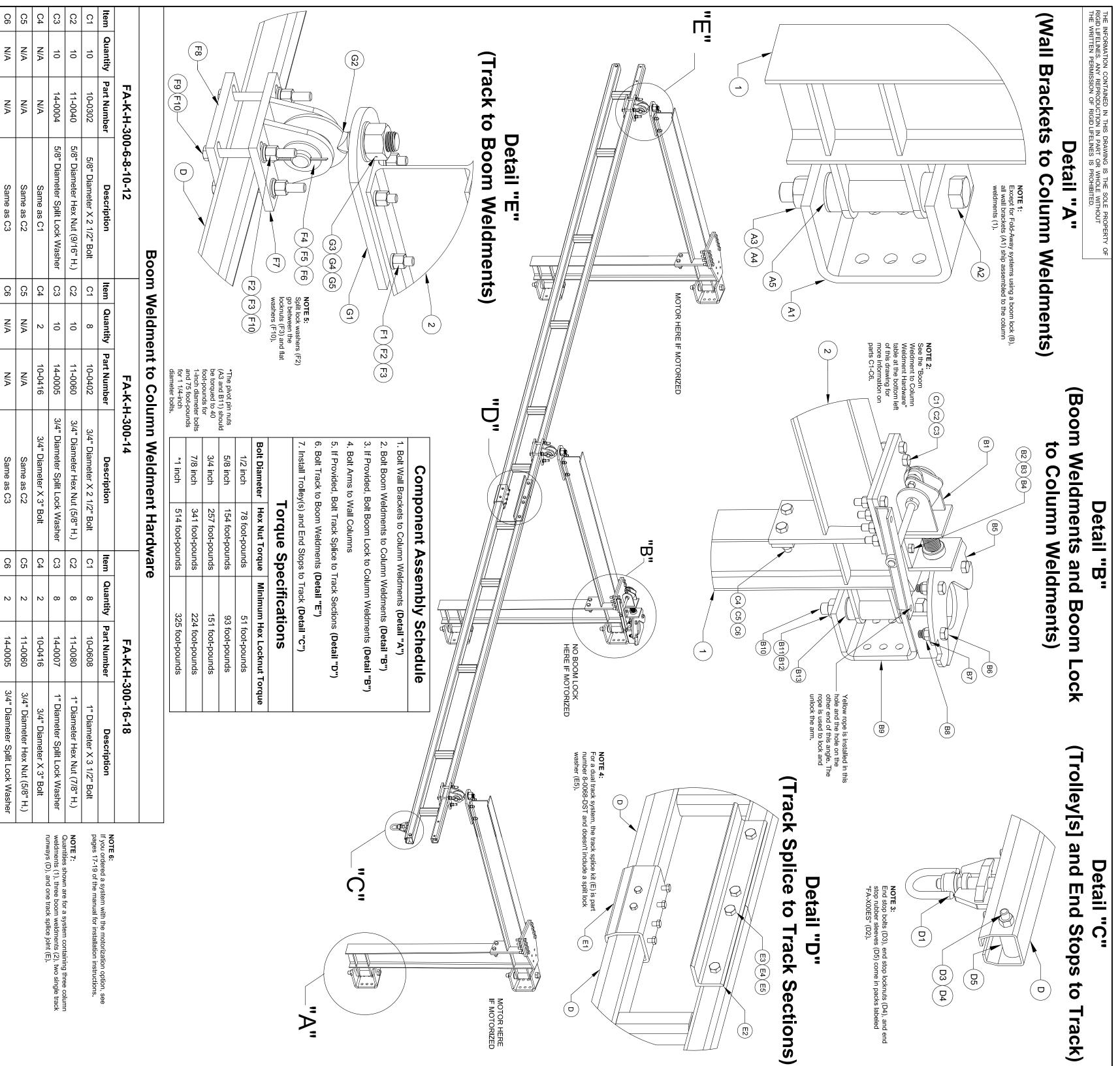
OUR PRODUCTION:

All of our systems are designed and manufactured in the United States of America. We have production facilities in Las Vegas, Nevada, and at our headquarters in Morgantown, Pennsylvania.



604 Hemlock Road | Morgantown, PA 19543 Toll Free: (844) 467-4443 | Local: (610) 286-8030 | Fax: (610) 286-6408 <u>RigidLifelines.com</u> | info@RigidLifelines.com





INSTRUCTIONS	PROJECT NO.: SI	Ğ	CHECKED: TJB	DRAWN: DAP	APPROVALS	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE, DO NOT SCALE DRAWING	REV. DATE	17-0060	9-1984
NTS	WI.	06/14/16	11/22/10	11/22/10	DATE	AWING, UPDATE, .WING	NAME		
CAD FILE: SHEET 1 OF 1	C FA-FA-ASSEMBLY -C	ASSEMBLY DRAWING		FALL ARREST			REVISION DESCRIPTION	Pin, Roll 1/8" Diameter X 1 3/4" Long	Hex Nut, 1 1/8"-7 NC Drilled for Pin

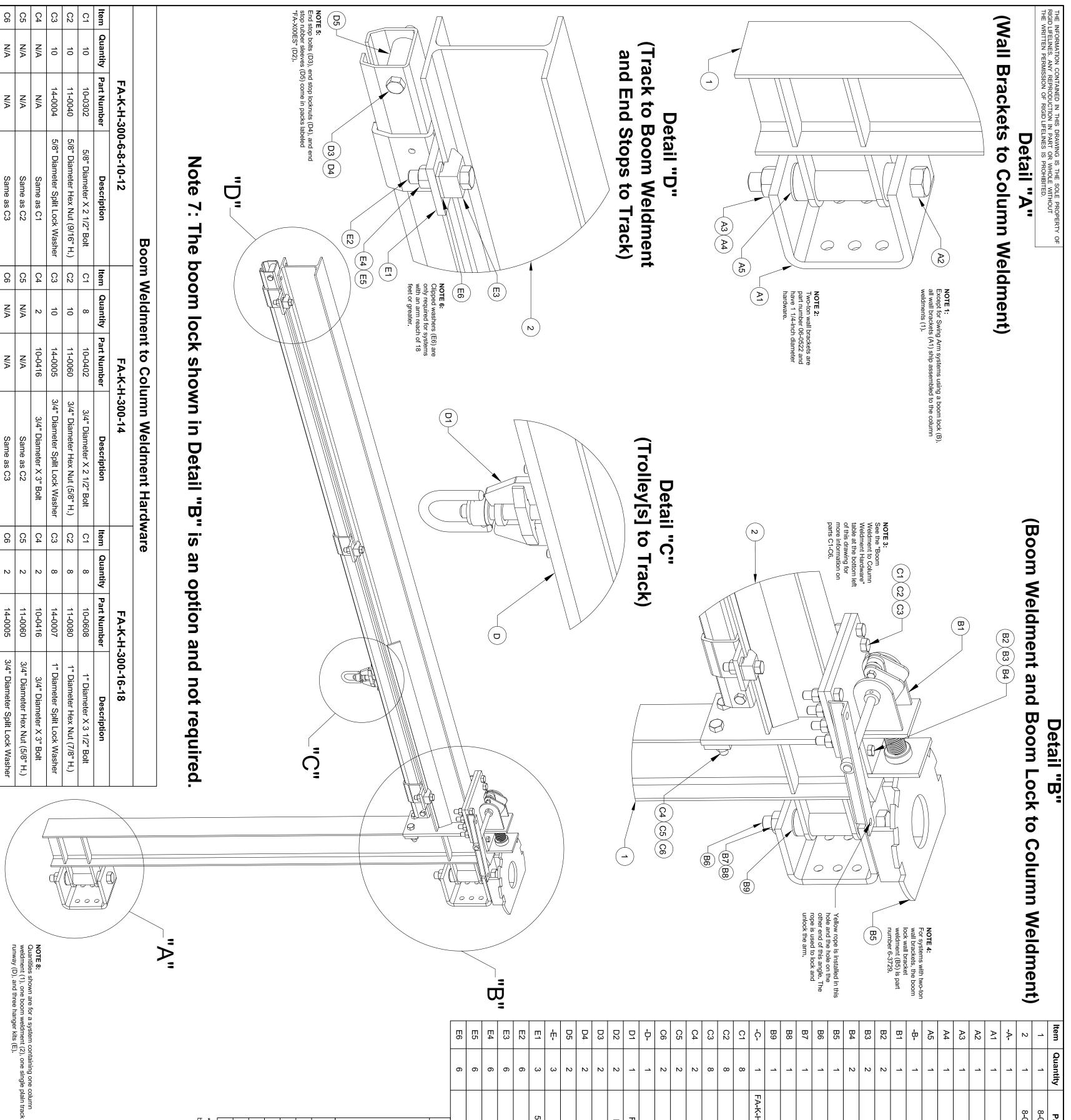
-5 -1 <t< th=""><th>A3 A2 A1 A A A</th><th>5 σ σ ν ω ω</th><th>8-05XX-XX.XX 8-05XX-XX.XX 8-0070 06-0521 10-0604 11-0080</th><th>FA, Weldment, 300, X' Bracket Centers, WXX FA, Boom Weldment, 300, XX' Span, WXX C-Bracket, 1/2 and 1 Ton, 300 and 301 Bracket, Wall 1/2 and 1 Ton Bolt, Hex Head 1"-8 NC X 9" GR 5 Nut Hex 1"-8 NC</th></t<>	A3 A2 A1 A A A	5 σ σ ν ω ω	8-05XX-XX.XX 8-05XX-XX.XX 8-0070 06-0521 10-0604 11-0080	FA, Weldment, 300, X' Bracket Centers, WXX FA, Boom Weldment, 300, XX' Span, WXX C-Bracket, 1/2 and 1 Ton, 300 and 301 Bracket, Wall 1/2 and 1 Ton Bolt, Hex Head 1"-8 NC X 9" GR 5 Nut Hex 1"-8 NC
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2 11-0030 1 8-0256 4 10-0301 4 10-0301 1 8-0256 4 10-0301 1 15-0004 1 10-0604 1 10-0604 1 11-0080 1 11-0080 1 11-0080 24 10-05028 24 10-00XX 26 10-0XX 6 10-0XX 21 FA-KH-1300-X-X-X-X 22 Refu-14-000X 23 FA-KH-1300-X-X-X-X 24 11-00XX 25 FA-X00ES 2 IA-000X 2 IA-000X 2 FA-X00ES 1 FA-X00ES 1 FA-1003 2 IA-0025FT 1 FA-0067 1 FA-0063K 3 8-0063K 1 I-0-0205FT 1 I-0-0226<	B2	, N	10-0203	Hex Bolt 1/2"-13 NC X 2"
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6 $10-0XXX$ 6 $11-00XX$ 6 $11-00XX$ 1 $FA-XXX-AT$ FA 2 $FA-X00ES$ 1 2 $FA-X00ES$ 1 2 $10-02XX$ $10-02XX$ $10-02XX$ 2 $10-02XX$ $10-02XX$ $10-02XX$ 2 $13-0003$ $10-0232$ $10-0232$ 4 $10-0232$ $10-0232$ $10-0232$ 4 $13-0011$ 10 2 $14-0003$ 10 3 $15-0023$ 10 3 $3-0064$ 10 3 $8-0063K$ 10 3 $8-0063K$ 10 3 $8-0062$ 14 3 $8-0062$ 14 3 $3-002$ 14 3 $3 -0062$ 14 3 $3 -0062$ 14 3 $3 -0062$ 14 3 </td <td><u>ເ</u>ຊິ</td> <td>24</td> <td>14-000X</td> <td>Split</td>	<u>ເ</u> ຊິ	24	14-000X	Split
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2 Runway 1 FA-XXX-AT F/ 2 FA-XOES $-7/$ 2 10-02XX $-7/$ 2 10-02XX $-7/$ 2 RR1.25-X $-7/$ 1 FA-1X03 $-7/$ 2 FAFAW-SP-1 S1 4 10-0232 $-7/$ 4 13-0011 $-7/$ 2 FAFAW-SP-1 S1 4 13-0011 $-7/$ 24 10-0205FT E 3 9-1948 $-7/$ 3 8-0063K F/ 3 8-0063K F/ 12 10-0226 Bd 3 8-0063K F/ 3 8-0063K F/ 3 8-0062 F/ 3 8-0062 F/ 3 8-0062 F/ 3 9-1931 - 3 9-1931 - 3 9-1984 - 3 9-1984 - 3 <td>C6</td> <td>6</td> <td>14-000X</td> <td>Split L</td>	C6	6	14-000X	Split L
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3 26-0016 3 9-1984	G2	ω	9-1931	Eye Hook, 724RI Trolley, 2" ID
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 G	ω	26-0016	Thrust Washer
		ω ω	9-1984 17-0060	Pin Boll 1/8" Diameter Y

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Quantity

Part Number

Building Materials Description



Quantity Part Number Building Materials 1 8-05XXXX FA. Weldment, 300, X Brail 1 8-05XXXX FA. Boom Weldment, 300, X Brail 1 06-0521 Bracket, 1/2 and 1 T 1 100-0604 Balt, Hax Head 1*-8 1 10-0604 Balt, Hax Head 1*-8 1 10-0604 Balt, Hax Head 1*-8 1 10-0604 Bott, Thrust 1.011 2 10-0203 Hex Bolt 1/2*-13 2 10-0203 Nut, Hax 1*- 1 8-00XX FA. Kit, X Ton Wall Brack 1 10-0203 Nut, Hax 1*- 1 10-0007 1* Split Lock Wall Brack 1 FA.KH-300-X-X-XXX FA Hardware Kit, 1- 1 FA.KH-300-X-X-XXX Hax Bol 1 FA.KH-300-X-X-XX Hax Bol 1 <	Bolt Wall Brackets to Column Weldment (Detail "A")	1. Bolt Wall Brack		
QuantityPart NumberBuilding Materials Description18-05XXXXFA. Wolment, 300, X: Span, V.18-05XXXXFA. Boom Neidmant, 300, X: Span, V.18-0070C-Brackel, 1/2 and 1 Ton, 300 and 3018-0070Brackel, Wall 1/2 and 1 Ton, 300 and 3018-0070Brackel, Wall 1/2 and 1 Ton, 300 and 3018-0070Brackel, Wall 1/2 and 1 Ton, 300 and 30110-0604Boot, Hex Head 1-8 NC Y 9' GF111-0080Nut, Hex 1-8 NC211-0080FA, Kit, X: Ton Wall Bracket with Boom106-0459-3Boom Lock Assembly 10', 12', 15' FB211-00203Hex Bolt 1/2'-13 NC Y 2''16-3728Boom Lock Wall Bracket with Boom110-0004Boom Lock Wall Bracket Weldmen111-0080Nut, Hex 1-8 NC111-0080Nut, Hex 1-2'' SDI111-0080Nut, Hex 1-2'' SDI111-0080Nut, Hex 1-2'' SDI111-00071'' Split Lock Washer111-0007FA Hardware KI, Boom/Mast811-00XXHex Bolt111-00XXHex Bolt1FA-KH-300-X-X-XXHex Bolt111-00XXHex Bolt1FA-XXX-ATFA Swireling Connector Achor Tol1FA-XXX-ATFA Swireling Connector Achor Tol2FA-XXX-ATFal Arrest, 300, X Man, X: SP, X Ta3S0GP-XXXFal Arrest, 300, X Man, X: SP, X Ta4Fal O-0233Bolt,	Assembly	Compo		
QuantityPart NumberBuilding Materials Description18-05XXXXFA. Weidment, 300, X: Bracket Canters, 8-007018-05XXXXFA. Boom Weidment, 300, X: Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 318-0070C-Bracket, 1/2 and 1 Ton, 300 and 3110-0604Bracket, Wall 1/2 and 1 Ton111-0080Nut, Hax Head 1*8 NCX 9'' GR5111-0080I'' Spill Lock Washer111-00903FA, Kit, X Ton Wall Bracket with Boom106-0459-3Boom Lock Saembly 10'', 12'', 15'' I-B211-0030Washer, Thrust 1.016 '' D X 2'' OC110-0203Nut, Hex 1*8 NC110-0203Nut, Hex 1''-13 NC 2''211-0080Washer, Lock Spill 1/2'' Tinc Plate110-0203Nut, Hex 1*8 NC110-0204Boom Lock Washer110-0004Washer, Thrust 1.016 ID X 2'' OC110-0007I'' Spill Lock Washer110-0007Washer, Thrust 1.016 ID X 2'' OC110-000XKather Hex Bolt210-00XXHex Bolt210-00XXHex Bolt210-00XXHex Bolt210-00XXHex Bolt210-00XXHex Bolt2FA, Swiveling Connector Archor Trol2FA, Swiveling Connector Archor Trol2FA, Swiveling Connector Archor Trol2FA, Swiveling Connector Archor Trol3SofP-XXXXFall Arrest, 300, X	Washer 5/8" Clipped 1/8" TH	18-0007	6	E6
QuantityPart NumberBuilding Materials Description1 $8.05X-XXX$ FA. Walament, 300, X: Bracket Centers,1 8.0070 C.Bracket, 1/2 and 170, 300 and 31 8.0070 C.Bracket, 1/2 and 170, 300 and 31 8.0070 C.Bracket, 1/2 and 170, 300 and 31 8.0070 Bracket, Wall 1/2 and 170, 300 and 31 10.0604 Both, Hex Head 1*8, NCX 9'' GR 51 11.0080 Nut, Hex 1*8, NCX 9'' GR 51 11.0080 It 1''' Split Lock Washer2 11.0003 Nut, Hex 1*8, NCX 2'' OC2 11.00203 Hex Belt 1/2: 13 NC 2''2 11.00203 Nut, Hex 1''' Split Lock Washer1 $8.00XX$ Boom Lock Seembly 10'', 12'', 15'' I-B2 11.00203 Nut, Hex 1'''' Split Lock Washer1 10.0023 Nut, Hex 1''''''''''''''''''''''''''''''''''''	Nut, Lock Hex 5/8"-11 NC (3/4" H)	13-0001	6	E2
QuantityPart NumberBuilding Materials Description18-05XXXXFA. Weldment, 300, X. Bracket Centers,18-0570C-Bracket, 1/2 and 1 Ton, 300 and 310-6-0521Bracket, Wall 1/2 and 1 Ton, 300 and 3110-6604Boot, 1/2 and 1 Ton, 300 and 3110-6604Bracket, Wall 1/2 and 1 Ton, 300 and 3110-6604Bracket, Wall 1/2 and 1 Ton110-6064Boot, Hax Head 1-8, NC 3 °F, GF111-0080Nut, Hex 1-8, NC210-0203Hex Boot, Thrust 1.016 °t ID 2.2" OC211-0030Washer, Thrust 1.016 't ID 2.2" OC211-0030Hax Boot, Lock Assembly 10", 12", 15" HB210-0203Hex Boot, Lock Split 1/2" Tan NC 2.2"16-3728Boom Lock Assembly 10", 12", 15" HB110-0604Boom Lock Mall Bracket with Boom110-0604Nut, Hex 1-8, NC 2.9" GR5110-0604Nut, Hex 1-8, NC 2.9" GR5110-0705Kasher, Thrust 1.016 ID 2.2" OD1FA-Kt-H-300-X-X-XXHex Bolt210-07XXNut, Hex 1-8, NC 49" GR51FA-Kt-H-300-X-X-XXXHex Bolt210-02XXSplit Lock Washer1FA-Kt-H-300-XSplit Lock Washer1FA-X00ESFal Arrest End Stop	Washer, Lock Split 5/8" Zinc Plated	14-0004	6	E4
QuantityPart NumberBuilding Materials Description18-05XXXXFA. Weldment, 300, X. Bracket Centers,18-0570C-Bracket, 1/2 and 1 Ton, 300 and 3110-6604Boot, Karan, Malament, 300, XX Span, V110-6604Boot, Karan, 300 and 3110-6604Boot, Hax Head 1-8, NC 3^{or} GR 5110-6604Boot, Hax Head 1-8, NC 3^{or} GR 5111-0080Nut, Hex 1-8, NC110-6008FA, Kit, X Ton Wall Bracket, Wilt D 2^{or} GR 5211-0080Nut, Hex 1-7, 10, Z 2^{or} GR 518-00XXFA, Kit, X Ton Wall Bracket, Wilt Boom211-0030Nut, Hex 1/2 ^{or} , 13, NC 2^{or} GR 518-00XXBoom Lock Assembly 10°, 12°, 15°, FB110-0203Hax Bolt 1/2 ^{or} , 13, NC 2^{or} GR 5111-030Nut, Hex 1-8, NC 3^{or} GR 5111-030Nut, Hex 1-8, NC 3^{or} GR 5111-0080Nut, Hex 1-8, NC 3^{or} GR 5110-0604Boot, Hax Head 1 ⁻¹ , NC 3^{or} GR 5111-0080Nut, Hex 1-8, NC 3^{or} GR 51FA-K-H-300-X-X-XXXKasher, Thrust 1,016 ID X^{or} OR 5211-00XXMasher, Thrust 1,016 ID X^{or} GR 51FA-K-H-300-X-X-XXXKasher1FA-K-H-300-X-X-XXXNut, Hex 1-8, Nut, Hex210-0XXXNut, Hex 1-8, Nut, Hex1FA-K-H-300-X-X-XXXSplit Lock Washer1FA-K-H-300-X-X-XXXNut, Hex Head 1-8, NCX Washer1		18-0021F	6	E3
QuantityPart NumberBuilding Materials Description1 $B:05X-XXX$ FA. Weldment, 300, X: Bracket Centers,1 $B:05X-XXX$ FA. Boom Weldment, 300, X: Bracket Centers,1 $B:05X-XXX$ FA. Boom Weldment, 300, X: Span, V1 $B:05X-XXX$ FA. Kill, X: and 1:Ton, 300 and 31 $11:0080$ Boom Lock Assembly 10°, 12°, 16° ID X.2° OF1 $11:0080$ FA, Kill, X: Ton Wall Bracket with Boom2 $11:00203$ Hex Bolt 1/2°-13 NC 2°2 $11:00203$ Hex Bolt 1/2°-13 NC 2°1 $10:0203$ Hex Bolt 1/2°-13 NC 2°2 $11:00203$ Hex Bolt 1/2°-13 NC 2°1 $10:0203$ Hex Bolt 1/2°-13 NC 2°1 $11:00203$ Hex Head 1°-8 NC 9° GR51 $11:0020X$ FA Hardware Kit, Boom/Mast8 $11:00XX$ Nut, Hex 1°-8 NC9 $11:00XX$ Nut, Hex 1°-8 NC <tr< td=""><td>X 3"</td><td>10-0303</td><td>6</td><td>E2</td></tr<>	X 3"	10-0303	6	E2
Quantity Part Number Building Materials Description 1 8 $.05X-XXX$ FA. Weldment, 300, X: Bracket Centers, 1 8 $.05X-XXX$ FA. Boom Weldment, 300, X: Bracket Centers, 1 8 $.0070$ C-Bracket, 1/2 and 1 Ton, 300 and 3 1 10 $.0604$ Bracket, Wall 1/2 and 1 Ton, 300 and 3 1 10 $.0604$ Boom Lock Assembly 10°, 12°, 16° HB 1 14 $.0007$ 1" Split Lock Washer 1 14 $.0007$ 1" Split Lock Washer 1 14 $.0003$ Boom Lock Assembly 10°, 12°, 15° HB 2 14 $.0003$ Hex Bolt 1/2° 13 NC 2° 1 10 $.0203$ Hex Bolt 1/2° 13 NC 2° 2 14 $.0003$ Washer, Lock Split 1/2° Zinc Plate 1 10 $.0203$ Hex Bolt 1/2° 13 NC 2° 1 11 $.00203$ Nut, Hex 1°-8 NC 2° 1 10 $.0203$ Nut, Hex 1°-8 NC 2° 1 11 $.0007$ I''' Split Lock Washer 1 11 $.000X$ FA Hardware Kit, Boom/Mast 1 FA-K-H-300-X-X-XXX Nut, Hex 1°-8 NC 1	Flush-Parallel Mount Hanger Bracket	505P-XX.XX	ω	Ē
QuantityPart NumberBuilding Materials Description18-05XX-XXFA. Weldment, 300, X Bracket Centers,18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, 1/2 and 1 Ton, 300 and 3110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC106-04523Boom Lock Assembly 10", 12", 16" LB211-0030Washer, Thrust 1.016 " LD X 2" GR 5211-0030Hex Bolt 12" 13 NC X 2"211-0030Nut, Hex 12"-13 NC X 2"211-0030Hex Bolt 12" 13 NC X 2"211-0030Nut, Hex 12"-13 NC X 2"211-0030Nut, Hex 12"-13 NC X 2"16-3728Boom Lock Assembly 10", 12", 16"-LB111-0030Washer, Icok Split 12" Zinc Plate111-00604Boom Lock Vall Bracket Weldmen111-00771" Split Lock Washer111-0080Nut, Hex 12"-13 NC111-0080Nut, Hex 12"-13 NC111-00771" Split Lock Wall Bracket Weldmen110-0604Boom Lock Split 12" Zinc Plate810-02XXK Hardware Kit, BoomMast810-02XXHex Bolt910-02XXHex Bolt910-02XXHex Bolt910-02XXHex Bolt910-02XXNut, Hex910-02XXSplit Lock Washer910-02XXHex Bolt910-02XXSplit Lock Washer9 <td>Fall Arrest, 300, X Man, X' SP, X Track</td> <td>8-00XX</td> <td>ы</td> <td>ψ</td>	Fall Arrest, 300, X Man, X' SP, X Track	8-00XX	ы	ψ
QuantityPart NumberBuilding Materials Description18-05XX-XXXFA. Weldment, 300, X Bracket Centers,18-0070C-Bracket, 1/2 and 1 Ton, 300 and 310-6-0521Bracket, 1/2 and 1 Ton, 300 and 3110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Washer, Thrust 1.016 "ID X 2" GC106-0459-3Boom Lock Assembly 10", 12", 16" IB210-0203Hex Bolt 112" Ton Vall Bracket with Boom211-0030Nut, Hex 12" IN C X 2" GR 516-3728Boom Lock Assembly 10", 12", 16" IB110-0604Boom Lock Vall Bracket Weldmen110-0604Boot, Hex Head 1"-8 NC X 9" GR 5110-0604Boot, Hex Head 1"-8 NC X 9" GR 5110-0604Boot, Hex Head 1"-8 NC X 9" GR 5110-0604Nut, Hex 10" ID X 2" OD110-0604Nut, Hex 10" ID X 2" OD110-0071" Split Lock Washer1FA-KH-300-XXXXXHex Bolt810-0XXHex Bolt910-0XXHex Bolt910-0XXHex Bolt910-0XXHex Bolt910-0XXHex Bolt910-0XXNut, Hex Lock Washer910-0XXSplit Lock Washer910-0XXSplit Lock Washer910-0XXSplit Lock Washer910-0XXSplit Lock Washer <td>End Stop Rubber Sleeve</td> <td>RR1.25-X</td> <td>2</td> <td>D5</td>	End Stop Rubber Sleeve	RR1.25-X	2	D5
QuantityPat NumberBuilding Materials Description18-05XX-XXFA. Weldment, 300, X Bracket Centers,18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3110-0604Bracket, 1/2 and 1 Ton, 300 and 3111-0080Nut, Hex 1-8 NC X 9" GR 5111-0080Nut, Hex 1-8 NC111-0080Washer, Thrust 1.016 " ID X 2" GR 5106-0459-3Boom Lock Assembly 10", 12", 15" I-B211-0030FA Ktit, X Ton Wall Bracket with Boom211-0030Hex Bolt 112"-13 NC X 2"211-0030Nut, Hex 1.2"-T3 NC211-0030Hex Bolt 112"-13 NC X 2"16-3728Boom Lock Assembly 10", 12", 15" I-B111-0030Nut, Hex 1.2"-T3 NC111-00604Boom Lock Vaill Bracket Weldmen111-007071" Split Lock Washer, Thrust 1.016 ID X 2" OD111-007071" Split Lock Washer1FA-KH-300-X-X-XXXFA Hardware Kt, Boom/Mast810-0XXHex Bolt911-00XXHex Bolt911-00XXHex Bolt911-00XXHex Bolt911-00XXHex Bolt911-00XXHex Bolt911-00XXHex Bolt911-00XXHex Bolt911-00XXNut, Hex911-00XXHex Bolt911-00XXHex Bolt911-00XXHex Bolt911-00XXFA Hardware Kt, Boom/Mast <t< td=""><td>Nut, Hex Lock 1/2"-13</td><td>13-0003</td><td>2</td><td>D4</td></t<>	Nut, Hex Lock 1/2"-13	13-0003	2	D4
QuantityPart NumberBuilding Materials Description1 $8-05X-XXX$ FA. Weldment, 300, X' Bracket Centers,1 $8-05X-XXX$ FA. Boom Weldment, 300, X' Span, V1 $8-0070$ C-Bracket, 1/2 and 1 Ton, 300 and 31 $06-0521$ Bracket, Wall 1/2 and 1 Ton1 $10-0604$ Bolt, Hex Head 1*8 NC X 9" GR 51 $11-0080$ Nut, Hex 1*8 NC1 $11-0080$ Nut, Hex 1*8 NC X 9" GR 51 $11-0080$ Nut, Hex 1*8 NC1 $06-0459$ -3Boom Lock Assembly 10", 12", 15" H32 $11-0030$ Nut, Hex 1/2"-13 NC 2"2 $11-00203$ Hex Bolt 1/2"-13 NC 2"2 $11-0030$ Nut, Hex 1/2"-13 NC 2"2 $11-0030$ Nut, Hex 1/2"-13 NC 2"1 $6-3728$ Boom Lock Assembly 10", 12", 15" H31 $11-0030$ Nut, Hex 1/2"-13 NC 2"1 $11-0080$ Nut, Hex 1/2". 13 NC1 $11-0003$ Nut, Hex 1/2". 13 NC1 $11-0080$ Nut, Hex 1/2". 13 NC1 $11-0007$ 1" Split Lock Wall Bracket Weldmen1 $11-0007$ 1" Split Lock Washer1 $11-000X$ Nut, Hex 1*8 NC X 9" GR58 $11-00XX$ Nut, Hex 1*8 NC X 9" GR59 $11-00XX$ Hardware Kit, Boom/Mast9 $10-0XXX$ Hex Bolt9 $11-00XX$ Nut, Hex9 $11-00XX$ Nut, Hex9 $10-0XXX$ Hex Bolt9 $11-00XX$ Nut, Hex9 $11-00XX$ <t< td=""><td>End Stop Bolt</td><td>10-02XX</td><td>2</td><td>D3</td></t<>	End Stop Bolt	10-02XX	2	D3
QuantifyPart NumberBuilding Materials Description1 $8-05X-XXX$ FA, Weldment, 300, X' Bracket Centers,1 $8-05X-XXX$ FA, Boom Weldment, 300, X' Span, V1 $8-0070$ C-Bracket, 1/2 and 1 Ton, 300 and 31 $06-0521$ Bracket, Wall 1/2 and 1 Ton,1 $10-0604$ Bolt, Hex Head 1*8 NC X 9" GR 51 $10-0604$ Bolt, Hex Head 1*8 NC X 9" GR 51 $10-0604$ Bolt, Hex Head 1*8 NC X 9" GR 51 $10-0604$ Boom Lock Assembly 10", 12", 15" HB2 $10-0203$ Hex Bolt 1/2"-13 NC 2"2 $10-0203$ Nut, Hex 1/2" I SI It Lock Washer2 $10-0203$ Nut, Hex 1/2"-13 NC 2"2 $10-0203$ Nut, Hex 1/2". I SI It Lock Washer1 $06-0459-3$ Boom Lock Assembly 10", 12", 15" HB2 $10-0203$ Nut, Hex 1/2". I SI It Lock Washer1 $10-0604$ Boom Lock Assembly 10", 12", 15" HB1 $10-0604$ Boom Lock Wall Bracket Weldmen1 $10-0604$ Nut, Hex 1/2". SI It Lock Washer1 $10-0604$ Nut, Hex 1*8 NC X 9" GR51 $10-00XX$ FA Hardware Kit, Boom/Mast8 $10-0XX$ Hex Bolt1 $10-0XX$ Hex Bolt1 $10-0XX$ <	Fall Arrest End Stop Kit	FA-X00ES	2	D2
QuantityPart NumberBuilding Materials Description18-05XX-XXXFA, Weldment, 300, X' Bracket Centers,18-05XZ-XXXFA, Boom Weldment, 300, X' Span, V18-0570C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, Wall 1/2 and 1 Ton110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC136-0008FA, Kit, X Ton Wall Bracket with Boom106-0459-3Boom Lock Assembly 10", 12", 15" LB210-0203Hex Bolt 1/2"-13 NC X 2" OF211-0030Nut, Hex 1"-8 NC16-3728Boom Lock Assembly 10", 12", 15" LB110-0604Booth, Hex Head 1"-8 NC X 9" GR5111-0080Nut, Hex 1"-8 NC111-0080Nut, Hex 112" Tinc Plate111-0080Nut, Hex 1"-8 NC111-0080Nut, Hex 1"-8 NC111-000XFA Hardware Kit, Boom/Mast811-00XXHex Bolt911-00XXHex Bolt911-00XXHex Bolt911-00XXHex Bolt911-00XXHex Bolt911-00XXHex Bolt911-00XXHex Bolt911-00XXNut, Hex911-	Swiveling Connector Anchor	FA-XXX-AT	-1	D1
QuantityPart NumberBuilding Materials Description18-05XX-XXXFA. Weldment, 300, X: Bracket Centers,18-05XX-XXXFA, Boorn Weldment, 300, X: Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, 1/2 and 1 Ton, 300 and 3110-0604Bolt, Hex Head 1*:8 NC X 9" GR 5110-0604Bolt, Hex Head 1*:8 NC X 9" GR 5111-0080Nut, Hex 1*:8 NC X 9" GR 5111-0080Nut, Hex 1*:8 NC X 9" GR 5110-0604Boom Lock Assembly 10", 12", 15" I-B211-0030Hex Bolt 1/2" 13 NC X 2"211-00604Boom Lock Assembly 10", 12", 15" I-B110-0604Boom Lock Wall Bracket Weldmen110-0604Nut, Hex 1*:8 NC X 9" GR 5111-0080Nut, Hex 1*:8 NC X 9" GR 5111-00071" Split Lock Washer110-0604Boom Lock Assembly 10", 12", 13 NC110-0604Nut, Hex 1*:8 NC X 9" GR 5111-00080Nut, Hex 1*:8 NC X 9" GR 5111-00071" Split Lock Washer110-00XXFA Hardware Kt, Boom/Mast811-00XXNut, Hex 1811-00XXNut, Hex Nut, Hex210-0XXXNut, Hex Nut, Hex211-00XXNut, Hex211-00XXNut, Hex211-00XXNut, Hex211-00XXNut, Hex211-00XXNut, Hex211-00XXNut, Hex </td <td>Fall Arrest Plain Track</td> <td>PT5XX</td> <td>1</td> <td>Þ</td>	Fall Arrest Plain Track	PT5XX	1	Þ
Quantity Part Number Building Materials Description 1 8-05XX-XXX FA, Weldment, 300, X' Bracket Centers, RA, Weldment, 300, X' Span, V 1 8-0570 C-Bracket, 1/2 and 1 Ton, 300 and 3 1 06-0521 Bracket, Wall 1/2 and 1 Ton, 300 and 3 1 10-0604 Bracket, Wall 1/2 and 1 Ton 1 10-0604 Washer, Thrust 1.016 " ID X 2" OC 1 36-0008 Nut, Hex 1"-8 NC X 9" GR 5 1 06-0459-3 Boom Lock Assembly 10", 12", 15" LB 2 11-0030 Nut, Hex 101" ANC X 2" 2 11-0033 Hex Bolt 1/2" 13 NC 2" 1 6-3728 Boom Lock Assembly 10", 12", 15" LB RC 1 10-0604 Boom Lock Wall Bracket Weldmen 1 10-0604 Nut, Hex 1"-8 NC X 9" GR 5 1 11-0080 Nut, Hex 1"-8 NC X 9" GR 5 1 10-0604 Boom Lock Wall Bracket Weldmen <	Split Lock Washer	14-000X	2	C6
Quantity Part Number Building Materials Description 1 $8-05XX-XX$ FA, Weldment, 300, X' Bracket Centers, 1 $8-05XX-XXX$ FA, Boom Weldment, 300, X' Bracket Centers, 1 $8-0070$ C-Bracket, 1/2 and 1 Ton, 300 and 3 1 $10-0604$ Bracket, Wall 1/2 and 1 Ton, 300 and 3 1 $10-0604$ Bracket, Wall 1/2 and 1 Ton 1 $10-0604$ Bot, Hex Head 1"-8 NC X 9" GR 5 1 $10-0604$ Bot, Hex Head 1"-8 NC X 9" GR 5 1 $14-0007$ 1" Split Lock Washer 1 $36-0008$ FA, Kit, X Ton Wall Bracket with Boom 2 $10-0203$ Hex Bott 1/2"-13 NC X 2" 2 $11-0030$ Nut, Hex 1"-8 NC X 9" GR 5 1 $10-0604$ Boom Lock Assembly 10", 12", 15" I-B 2 $14-0003$ Nut, Hex 1"-8 NC X 9" GR 5 1 $10-0604$ Boom Lock Washer, Lock Split 1/2" Zinc Plate 1 $10-0604$ Bott, Hex Head 1"-8 NC X 9" GR 5 1 $11-0080$ Nut, Hex 1"-8 NC X 9" GR 5 1 $1-00XX$ Hex Bolt<	Nut, Hex	11-00XX	2	C5
Quantity Part Number Building Materials Description 1 8-05XX-XXX FA, Weldment, 300, X' Bracket Centers, FA, Boom Weldment, 300, X' Span, V 1 8-05XX-XXX FA, Boom Weldment, 300, X' Span, V 1 8-05XX-XXX FA, Boom Weldment, 300, X' Span, V 1 06-0521 Bracket, 1/2 and 1 Ton, 300 and 3 1 10-0604 Bolt, Hex Head 1"-8 NC X 9" GR 5 1 14-0007 1" Split Lock Washer 1 14-0007 1" Split Lock Washer 1 36-0008 FA, Kit, X Ton Wall Bracket with Boom 1 8-00XX Boom Lock Assembly 10", 12", 15" LB 2 10-0203 Hex Bolt 112"-13 NC X 2" 2 10-0203 Nut, Hex 1"-8 NC X 9" GR 5 1 10-0604 Boom Lock Assembly 10", 12", 15" LOCK Washer 2 10-0203 Nut, Hex 112" Zinc Plate 1 10-0604 Bolt, Hex Head 1"-8 NC X 9" GR 5 1 10-0604 Bolt, Hex Head 1"-8 NC X 9" GR 5 1 10-0604 Bolt, Hex Head 1"-8 NC X 9" GR 5 1 14-0007 1" Split Lock Washer<	Hex Bolt	10-0XXX	2	C4
QuantityPart NumberBuilding Materials Description18-05XX-XXXFA, Weldment, 300, X' Bracket Centers,18-05XX-XXXFA, Boorn Weldment, 300, X' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3110-0604Bracket, Wall 1/2 and 1 Ton, 300 and 3110-0604Bracket, Wall 1/2 and 1 Ton, 300 and 3111-0080Nut, Hex 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC X 9" GR 5114-00071" Split Lock Washer106-0459-3Boorn Lock Assembly 10", 12", 15" I-B210-0203Hex Bolt 1/2"-13 NC X 2"214-0030Nut, Hex 1/2"-13 NC X 2"214-0033Nut, Hex 1/2"-13 NC X 2"16-3728Boorn Lock Assembly 10", 12", 15" I-B110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1/-8 NC X 9" GR 5114-00071" Split Lock Washer15-0008Bolt, Hex Head 1"-8 NC X 9" GR 5114-00071" Split Lock Washer1FA-K-H-300-X-X-XXFA Hardware Kit, Boom/Mast810-0XXXHex Bolt811-00XXNut, Hex	Split Lock Washer	14-000X	8	C3
QuantityPart NumberBuilding Materials Description18-05XX-XXXFA, Weldment, 300, X' Bracket Centers,18-05XX-XXXFA, Boorn Weldment, 300, X' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC114-00071" Split Lock Washer136-0008FA, Kit, X Ton Wall Bracket with Boom106-0459-3Boom Lock Assembly 10", 12", 15" LB210-0203Nut, Hex 1/2"-13 NC X 2"211-0030Nut, Hex 1/2"-13 NC X 2"214-0003Boom Lock Assembly 10", 12", 15" LB16-3728Boom Lock Vaill Bracket with Boom110-0604Bolt, Hex Head 1"-8 NC X 9" GR5111-0080Nut, Hex 1/2"-13 NC214-0003Nut, Hex 1/2". Zinc Plate16-3728Boom Lock Wall Bracket Weldmen111-0080Nut, Hex 1"-8 NC111-0080Nut, Hex 1"-8 NC X 9" GR5111-0080Nut, Hex 1"-8 NC X 9" GR5113-00071" Split Lock Washer136-0008Nut, Hex 1-8 NC X 9" GR5114-00071" Split Lock Washer136-0008Nut, Hex 1-8 NC X 9" GR5113-00071" Split Lock Washer136-0008Nut, Hex 1-8 NC X 9" GR5114-00071" Split Lock Washer136-0008FA Hardware Kit, Boom/Mast810-0XXXHex Bolt	Nut, Hex	11-00XX	8	C2
QuantityPart NumberBuilding Materials Description18-05XX-XXXFA, Weldment, 300, X' Bracket Centers,18-05XX-XXXFA, Boom Weldment, 300, X' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, Wall 1/2 and 1 Ton110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC X 9" GR 5114-00071" Split Lock Washer114-00071" Split Lock Washer106-0459-3Boom Lock Assembly 10", 12", 15" I-B210-0203Hex Bolt 1/2"-13 NC 2"211-0030Nut, Hex 1/2"-13 NC 2"214-0003Boom Lock Assembly 10", 12", 15" I-B16-3728Boom Lock Split 1/2" Zinc Plated111-0080Nut, Hex 1-8 NC X 9" GR5111-0080Nut, Hex 1-8 NC X 9" GR5114-00071" Split Lock Washer136-0008Nut, Hex 1-8 NC X 9" GR51FA-K-H-300-X-X-XXFA Hardware Kit, Boom/Mast	Hex Bolt	10-0XXX	8	C1
Quantity Part Number Building Materials Description 1 8-05XX-XXX FA, Weldment, 300, X' Bracket Centers, FA, Boom Weldment, 300, X' Span, V 1 8-05XX-XXX FA, Weldment, 300, X' Bracket Centers, FA, Boom Weldment, 300, X' Span, V 1 8-0070 C-Bracket, 1/2 and 1 Ton, 300 and 3 1 06-0521 Bracket, Wall 1/2 and 1 Ton, 300 and 3 1 10-0604 Boolt, Hex Head 1"-8 NC X 9" GR 5 1 11-0080 Nut, Hex 1"-8 NC X 9" GR 5 1 14-0007 1" Split Lock Washer 1 36-0008 FA, Kit, X Ton Wall Bracket with Boom 1 06-0459-3 Boom Lock Assembly 10", 12", 15" I-B 2 11-0030 Nut, Hex 1/2"-13 NC X 2" 2 14-0003 Nut, Hex 1/2"-13 NC X 2" 1 6-3728 Boom Lock Assembly 10", 12", 15" I-B 4 10-0604 Washer, Lock Split 1/2" Xinc Plated 1 10-0604 Boot, Hex Head 1"-8 NC X 9" GR5 1 10-0604 Nut, Hex 1"-8 NC 1 10-0604 Nut, Hex 1"-8 NC 1 14-0007 1"		FA-K-H-300-X-X-XX-XX	-	Ģ
Quantity Part Number Building Materials Description 1 8-05XX-XX.X FA, Weldment, 300, X' Bracket Centers, 8-0070 1 8-05XX-XX.XX FA, Boom Weldment, 300, X' Bracket Centers, 1 1 8-0070 C-Bracket, 1/2 and 1 Ton, 300 and 3 1 06-0521 Bracket, Wall 1/2 and 1 Ton 10-0604 1 10-0604 Bolt, Hex Head 1"-8 NC X 9" GR 5 1 11-0080 Nut, Hex 1"-8 NC X 9" GR 5 1 14-0007 1" Split Lock Washer 1 36-0008 FA, Kit, X Ton Wall Bracket with Boom Nut, Hex 1.016 " ID X 2" OD Washer, Thrust 1.016 " ID X 2" OD Washer, Thrust 1.016 " ID X 2" OD The Boom Lock Assembly 10", 12", 15" I-B 2 10-0203 FA, Kit, X Ton Wall Bracket with Boom Nut, Hex 1/2"-13 NC X 2" 2 11-0030 Nut, Hex 1/2"-13 NC X 2" 2 14-0003 Nut, Hex 1/2"-13 NC X 2" 3 1 6-3728 4 10-0604 Boom Lock Wall Bracket Weldmen 5 11-0080 Nut, Hex 1"-8 NC 4 14-0007 1" Split Lock Washer	₽	36-0008	-	B9
QuantityPart NumberBuilding Materials Description18-05XX-XX.XFA, Weldment, 300, X' Bracket Centers, a 8-057018-05XX-XX.XFA, Boom Weldment, 300, X' Span, V C-Bracket, 1/2 and 1 Ton, 300 and 318-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, Wall 1/2 and 1 Ton 10-0604110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC Nut, Hex 1"-8 NC 11 36-0008136-0008FA, Kit, X Ton Wall Bracket with Boom Boom Lock Assembly 10", 12", 15" I-B210-0203Hex Bolt 1/2"-13 NC X 2" 2214-0003Nut, Hex 1/2". 13 NC X 2" 4116-3728Boom Lock Wall Bracket Weldmen Boom Lock Wall Bracket Weldmen111-0080Nut, Hex Head 1"-8 NC X 9" GR5111-0080Nut, Hex 1"-8 NC	1" Split Lock Washer	14-0007	-	B8
QuantityPart NumberBuilding Materials Description18-05XX-XXXFA, Weldment, 300, X' Bracket Centers,18-0070FA, Boom Weldment, 300, X' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, Wall 1/2 and 1 Ton, 300 and 3110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex Head 1"-8 NC X 9" GR 5114-00071" Split Lock Washer136-0008FA, Kit, X Ton Wall Bracket with Boom106-0459-3Boom Lock Assembly 10", 12", 15" I-B210-0203Hex Bolt 1/2"-13 NC X 2"214-0003Washer, Lock Split 1/2" Zinc Plated16-3728Boom Lock Wall Bracket Weldmen110-0604Bolt, Hex Head 1"-8 NC X 9" GR5	Nut, Hex 1"-8 NC	11-0080	-	В7
QuantityPart NumberBuilding Materials Description18-05XX-XXFA, Weldment, 300, X' Bracket Centers,18-0070FA, Boom Weldment, 300, X' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, Wall Ton, 300 and 3110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC X 9" GR 5114-00071" Split Lock Washer136-0008FA, Kit, X Ton Wall Bracket with Boom106-0459-3Boom Lock Assembly 10", 12", 15" I-B211-0030Nut, Hex 1/2"-13 NC X 2"214-0003Washer, Lock Split 1/2" Zinc Plated16-3728Boom Lock Wall Bracket Weldmen	Bolt, Hex Head 1"-8 NC X 9" GR5	10-0604	-	B6
QuantityPart NumberBuilding Materials Description18-05XX-XXXFA, Weldment, 300, X' Bracket Centers,18-05XX-XXXFA, Boom Weldment, 300, X' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, Wall 1/2 and 1 Ton, 300 and 3110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC X 9" GR 5136-0008FA, Kit, X Ton Wall Bracket with Boom18-00XXFA, Kit, X Ton Wall Bracket with Boom210-0203Hex Bolt 1/2"-13 NC X 2"214-0003Washer, Lock Split 1/2" Zinc Plated	Boom Lock Wall Bracket Weldment	6-3728	-	В5
QuantityPart NumberBuilding Materials Description18-05XX-XXXFA, Weldment, 300, X' Bracket Centers,18-05XX-XXXFA, Boom Weldment, 300, X' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bolt, Hex Head 1 Ton, 300 and 3110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC X 9" GR 5114-00071" Split Lock Washer136-0008FA, Kit, X Ton Wall Bracket with Boom106-0459-3Boom Lock Assembly 10", 12", 15" I-B211-0030Nut, Hex 1/2"-13 NC X 2"	Washer, Lock Split 1/2" Zinc Plated	14-0003	2	B4
QuantityPart NumberBuilding Materials Description18-05XX-XXXFA, Weldment, 300, X' Bracket Centers,18-05XX-XXXFA, Boom Weldment, 300, X' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, 1/2 and 1 Ton, 300 and 3110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC X 9" GR 5136-0008FA, Kit, X Ton Wall Bracket with Boom106-0459-3Boom Lock Assembly 10", 12", 15" I-B210-0203Hex Bolt 1/2"-13 NC X 2"	Nut, Hex 1/2"-13 NC	11-0030	2	B3
QuantityPart NumberBuilding Materials Description18-05XX-XXXFA, Weldment, 300, X' Bracket Centers,18-05XX-XXXXFA, Boom Weldment, 300, X' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bolt, Hex Head 1 Ton, 300 and 3110-0604Bolt, Hex Head 1'-8 NC X 9" GR 5111-0080Nut, Hex 1''-8 NC114-00071'' Split Lock Washer18-00XXFA, Kit, X Ton Wall Bracket with Boom106-0459-3Boom Lock Assembly 10'', 12'', 15'' I-B		10-0203	2	B2
QuantityPart NumberBuilding Materials Description18-05XX-XXXFA, Weldment, 300, X' Bracket Centers,18-05XX-XXXXFA, Boom Weldment, 300, X' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, Wall 1/2 and 1 Ton, 300 and 3110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC136-0008FA, Kit, X Ton Wall Bracket with Boom	1 5	06-0459-3	1	B1
QuantityPart NumberBuilding Materials Description18-05XX-XX.XFA, Weldment, 300, X' Bracket Centers,18-05XX-XX.XXFA, Boom Weldment, 300, X' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, Wall 1/2 and 1 Ton, 300 and 3110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC136-0008Washer, Thrust 1.016 " ID X 2" OD	<u>ج</u>	8-00XX	-	ф
QuantityPart NumberBuilding Materials Description118-05XX-XXXFA, Weldment, 300, X' Bracket Centers,18-05XX-XXXXFA, Boom Weldment, 300, X' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, Wall 1/2 and 1 Ton, 300 and 3110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC114-00071" Split Lock Washer	Ν	36-0008	-	A5
QuantityPart NumberBuilding Materials Description118-05XX-XXXFA, Weldment, 300, X' Bracket Centers,18-05XX-XXXXFA, Boom Weldment, 300, X' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, Wall 1/2 and 1 Ton, 300 and 3110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5111-0080Nut, Hex 1"-8 NC	1" Split Lock Washer	14-0007	-1	A4
QuantityPart NumberBuilding Materials Description18-05XX-XX.XXFA, Weldment, 300, X' Bracket Centers,18-05XX-XX.XXFA, Boom Weldment, 300, XX' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, Wall 1/2 and 1 Ton110-0604Bolt, Hex Head 1"-8 NC X 9" GR 5	Nut, Hex 1"-8 NC	11-0080	-	A3
QuantityPart NumberBuilding Materials Description18-05XX-XX.XXFA, Weldment, 300, X' Bracket Centers,18-05XX-XX.XXFA, Boom Weldment, 300, XX' Span, V18-0070C-Bracket, 1/2 and 1 Ton, 300 and 3106-0521Bracket, Wall 1/2 and 1 Ton	GR	10-0604	-	A2
Quantity Part Number Building Materials Description 1 8-05XX–XX.XX FA, Weldment, 300, X' Bracket Centers, 1 8-05XX–XX.XX FA, Boom Weldment, 300, XX' Span, V 1 8-0070 C-Bracket, 1/2 and 1 Ton, 300 and 3	Bracket, Wall 1/2 and 1 Ton	06-0521	-	A1
Quantity Part Number Building Materials Description 1 8-05XX–XX.XX FA, Weldment, 300, X' Bracket Centers, 1 8-05XX–XX.XX FA, Boom Weldment, 300, XX' Span, V	C-Bracket, 1/2 and 1 Ton, 300 and 301	8-0070	-	Ą
Quantity Part Number Building Materials Description 1 8-05XX–XX.XX FA, Weldment, 300, X' Bracket Centers,		8-05XXXX.XX	-	2
Quantity Part Number Building Materials	Weldment, 300, X' Bracket Centers,	8-05XXXX.XX	-	-
	Building Materials Description	Part Number	Quantity	ltem

4. Bolt Arm to Wall Column
3. If Provided, Bolt Boom Lock to Column Weldment (Detail "B")
2. Bolt Boom Weldment to Column Weldment (Detail "B")

5. Bolt Track to Boom Weldment and End Stops to Track (Detail "D")

6. Install Trolley(s) to Track (Detail "C")

Bolt Diameter Hex Nut Torque Minimum Hex Locknut Torque

Torque Specifications

1/2 inch 5/8 inch

78 foot-pounds

*The pivot pin nuts (A3 and B7) should be torqued to 40 foot-pounds for 1-inch dia bolts and 75 foot-pounds for 1 1/4-inch diameter bolts.

7/8 inch 3/4 inch

257 foot-pounds

154 foot-pounds

93 foot-pounds 51 foot-pounds

*1 inch

514 foot-pounds 341 foot-pounds

325 foot-pounds 224 foot-pounds 151 foot-pounds

Beam Clip (E3) Torque Specifications

Bolt Diameter

Minimum Torque

3/4 inch 5/8 inch

JRG PLOT DATE:

06/14/16 WT.

11/22/10 11/22/10

FALL ARREST SWING ARM ASSEMBLY DRAWING

APPVD: CHECKED:

PROJECT NO.:

SCALE:

CAD FILE:

1 OF 1

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE, DO NOT SCALE DRAWING APPROVALS DATE

DAP ΓB

REV. DATE

NAME

REVISION DESCRIPTION

R AGID

210 foot-pounds 108 foot-pounds

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