

V2 Work Deck Installation Guide

Patent: 8,646,576; Rated Capacity: 500lb (227kg)



Revision: 00 | 12/2019 | Document No.: Instructions_11-341

TABLE OF CONTENTS

General Warnings and Requirements	3
Description, Intended Use and Specifications	4
Safety Features & Personal Protective Equipment	5
Installation / Assembly Tools Required	5
Assembly/Installation Instructions	6-9
Bill of Materials.....	10-11

GENERAL WARNINGS

NOTICE

ABOUT THIS MANUAL

- The equipment covered in this manual should only be installed, used, and serviced by qualified personnel trained in proper work and safety procedures. This manual is intended to assist such trained individuals in the installation of this equipment and is not intended as a substitute for proper training and experience.
- This document or any other information regarding this equipment is not intended to cover all of the possible situations which may be encountered while using the equipment described herein. Should specific situations arise which are not covered by the information provided, or should the user desire further details, the specifics should be directed to Wurtec, Inc.
- Note: In the interest of continuous product improvement, Wurtec, Inc. reserves the right to modify the design and specifications of this product at any time without notice.

GENERAL REQUIREMENTS

- All components of this equipment should be inspected and re-certified by an approved inspector as required by the safety director of your company
- After each use, check for damage or excessive wear to all parts. Pay close attention to all welds, structural/safety hardware, main supports, safety railing and fasteners. Perform the same checks prior to each subsequent use.
- It is recommended that two (2) qualified personnel position and install the V2 Work Deck.



DANGER

- Support arms must be set to the appropriate length according to the hoistway depth chart.
- Work Deck must be properly secured to the landing sill as stated in this instruction guide.

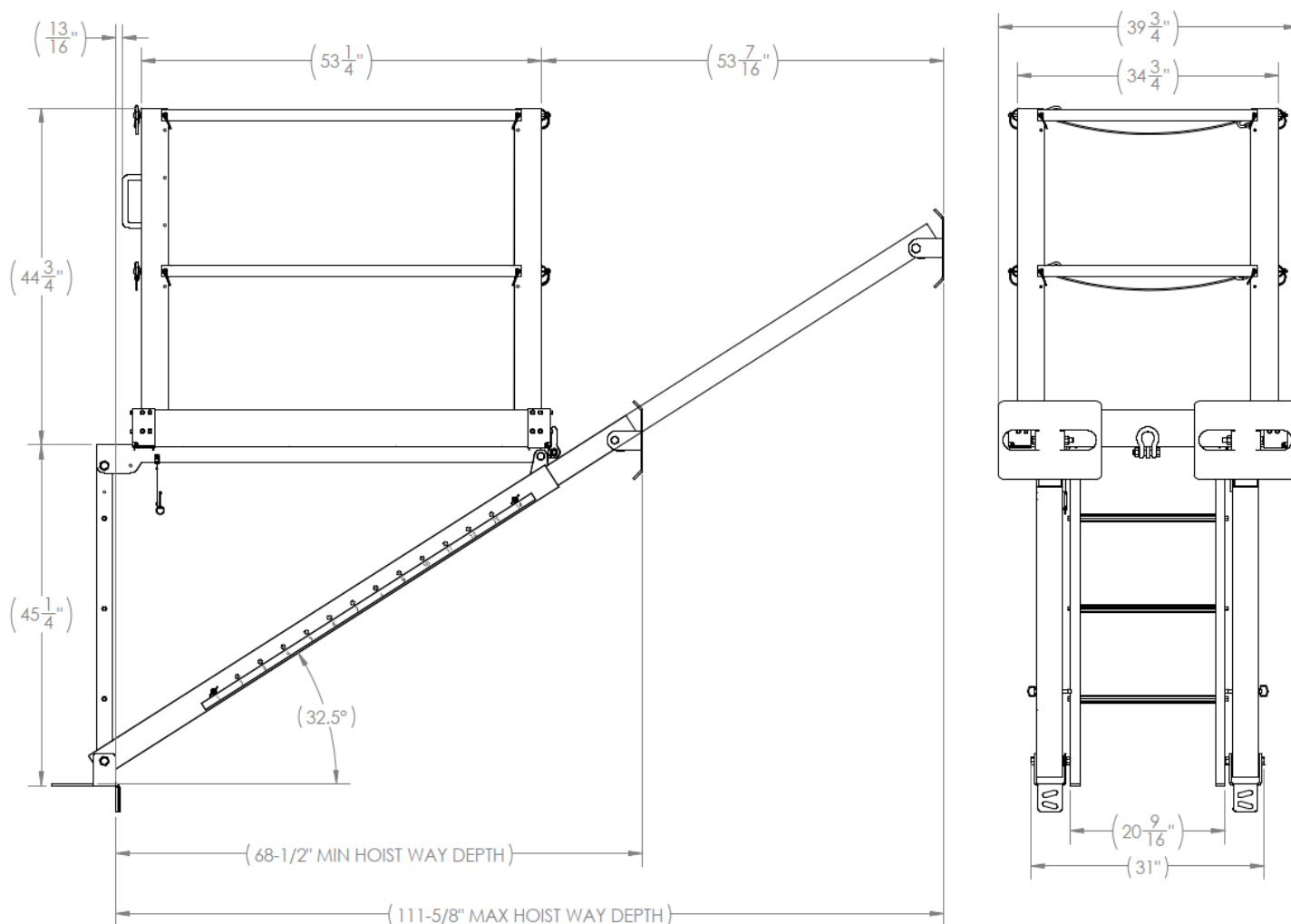


WARNING

- Rigging attachments must be rated for man-riding applications.
- All standard fasteners for the work deck must be US Grade 5 or greater.
- Do not use this tool for any use other than its intended purpose.
- Do not exceed the rated load capacity of the work deck.

EQUIPMENT DESCRIPTION, INTENDED USE & SPECS

Wurtec's patented V2 Work Deck provides a safe and sturdy work platform that allows access to hard to reach areas at the top of the hoistway. The Work Deck can accommodate a wide range of hoistway depths and fits inside most entrances.



11-341	Specifications
Assy Weight	230 lb (105 kg)
Rated Capacity	500 lb (227 kg)
Min. Entrance Width	32 in (81.3 cm)
Hoistway Depth Range (see chart to right)	68-1/2 to 111-5/8 in (174.0 to 283.5 cm)
Platform Size (WxD)	34.9 x 53.4 in (88.6 x 135.6 cm)
Platform Ht. from Floor	46 in (116.8 cm)

Hole #	Depth (in)		Depth (cm)	
1	68 1/2	71 7/16	174.0	181.5
2	71 9/16	74 9/16	181.8	189.4
3	74 9/16	77 5/8	189.4	197.2
4	77 5/8	80 11/16	197.2	204.9
5	80 11/16	83 3/4	204.9	212.7
6	83 3/4	86 7/8	212.7	220.7
7	86 7/8	89 15/16	220.7	228.4
8	89 15/16	93	228.4	236.2
9	93	96 1/16	236.2	244.0
10	96 1/16	99 1/8	244.0	251.8
11	99 1/8	102 1/4	251.8	259.7
12	102 1/4	105 5/16	259.7	267.5
13	105 5/16	108 3/8	267.5	275.3
14	108 3/8	111 5/8	275.3	283.5

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SAFETY FEATURES

- 3/4" exterior grade plywood floor withstands harsh work environments.
- Aluminum handrails, kickplates and barrier chains provide safe working area.
- Collapsible design allows for improved hoisting, handling and storage.
- Wide stance wall support brackets help better distribute load on the back wall and provide a more stable platform.

PERSONAL PROTECTIVE EQUIP.

- Safety Glasses
- Hard Hat
- Work boots with steel toe and sole
- Abrasion resistant gloves
- Fall protection harness



INSTALLATION & ASSEMBLY

TOOLS REQUIRED

- Quick-Release Ratchet
- 9/16" Socket or Open End Wrench
- 15/16" Socket
- 15/16" Open End Wrench
- Tape Measure

ASSEMBLY/INSTALLATION INSTRUCTIONS

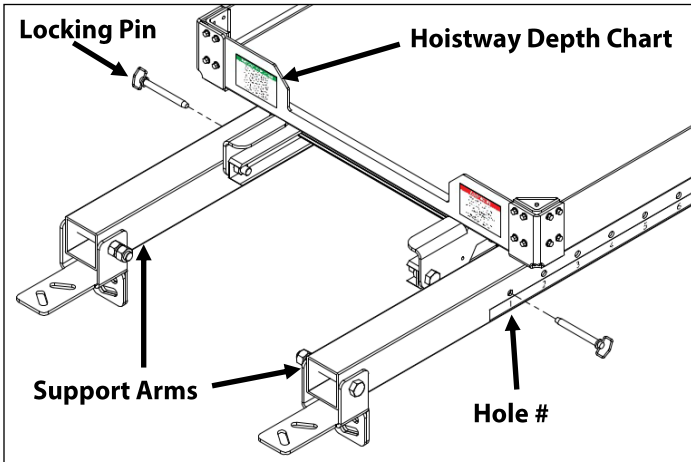


Image 1. Setting Telescoping Support Arm Length.

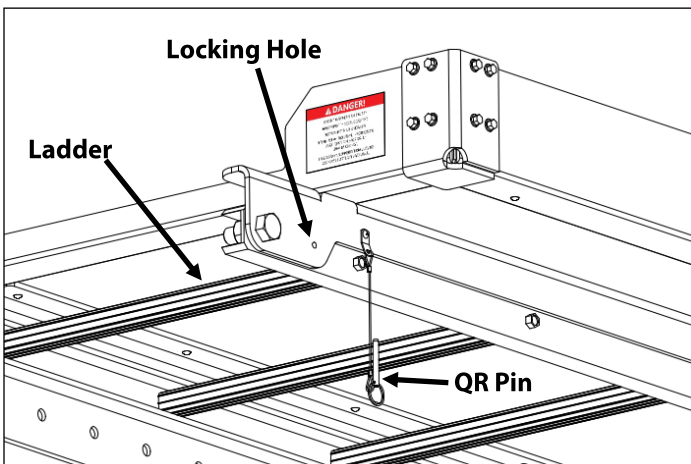


Image 2. Securing Ladder for Hoisting.

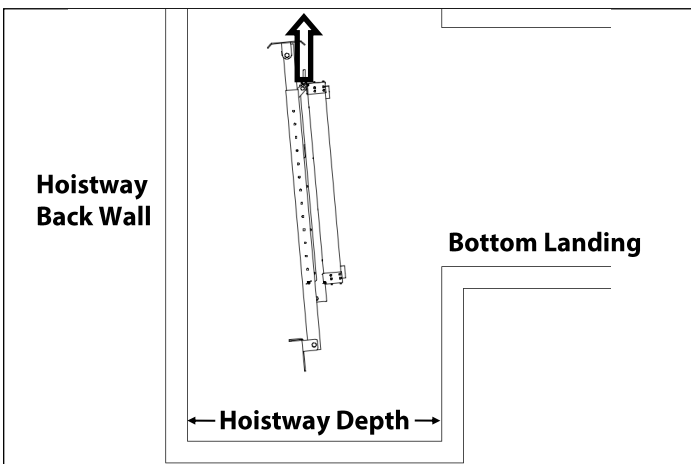


Image 3. Hoisting the Work Deck.

1. Measure the depth of the hoistway (inside distance from entrance wall to back wall).
2. Set length of both telescoping support arms according to the hoistway depth chart and the corresponding hole number. Make sure that both supports are set to the same length to ensure the platform is stable when setup
3. Secure the pins in place with the tethered hairpin cotter pins (r clips).
4. Ensure that the ladder is secured in the locked/collapsed position with the attached quick release pin.
5. Set aside all handrails and supports; these will be installed when the work deck is setup in the desired work location.
6. Hoist work deck to the desired landing via the included lifting shackle.

ASSEMBLY/INSTALLATION INSTRUCTIONS

7. Pull the sill mounting brackets into the landing and secure one bracket to the sill with 1/2" anchor bolts. The remaining sill bracket will be secured once the ladder is in place.
8. Lower the platform until both wall supports are firmly seated against the back wall of the hoistway.



WARNING

9. (Optional) To decrease load on the back wall, connect support ropes to the hoisting shackle and tie off at top of hoistway. Do not take the entire load off the back wall. Doing so will result in reduced stability of the platform and may cause severe injury.

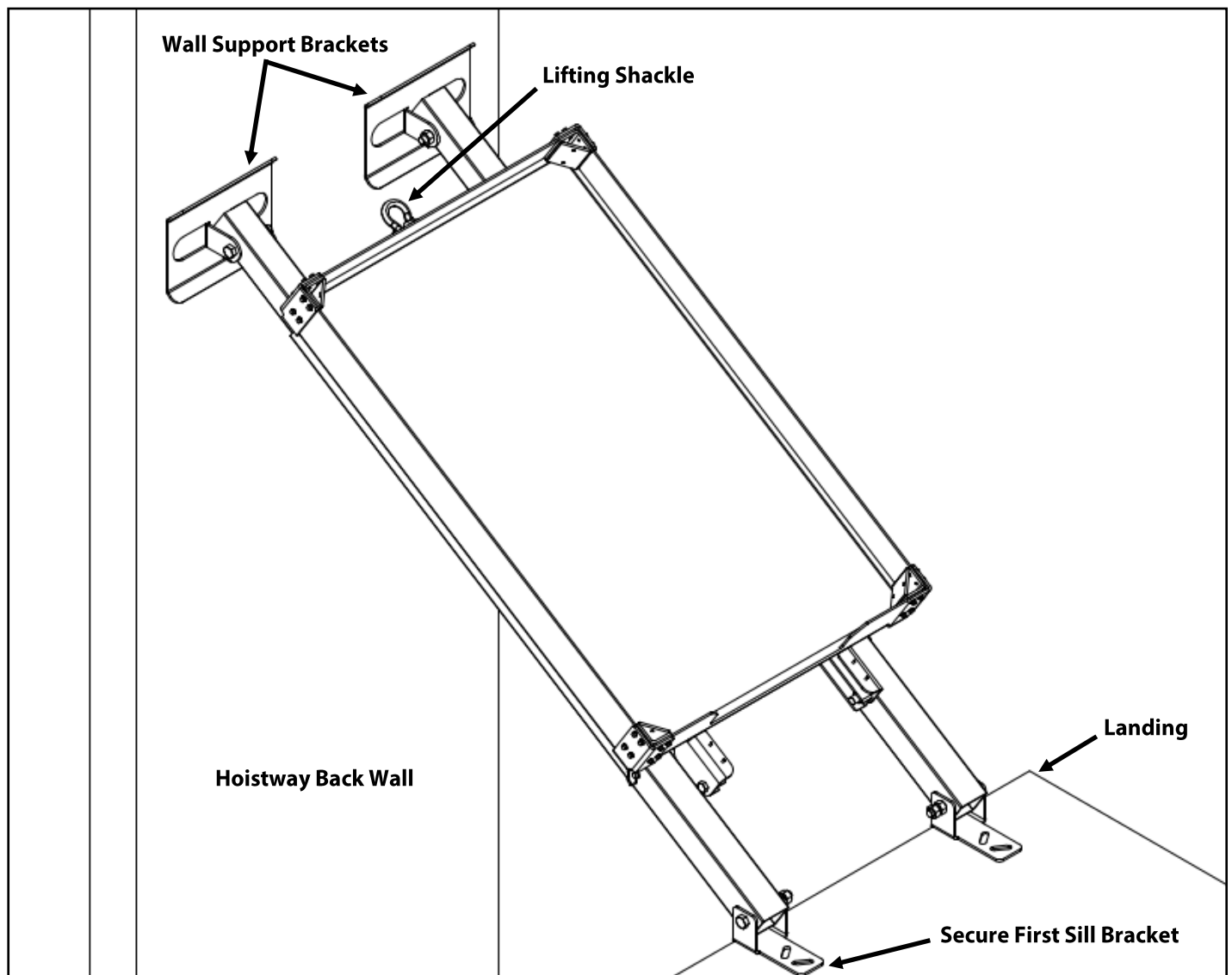


Image 4. Anchoring the Work Deck.

ASSEMBLY/INSTALLATION INSTRUCTIONS

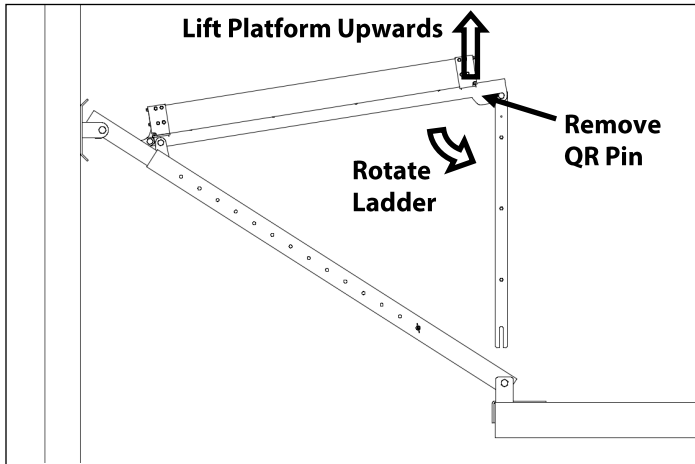


Image 5. Positioning the Ladder.

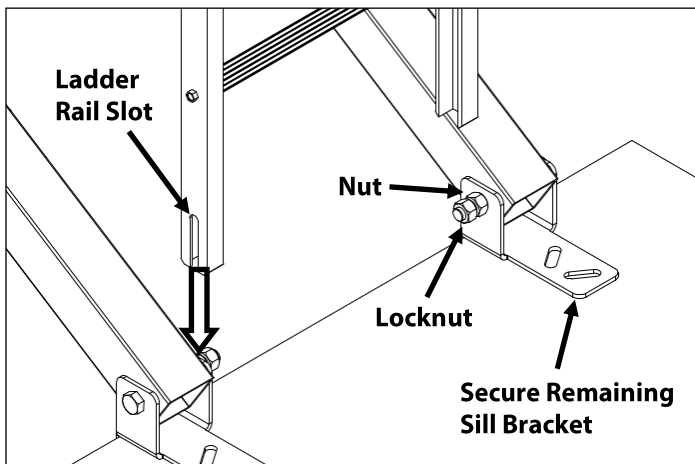


Image 6. Securing the Ladder.

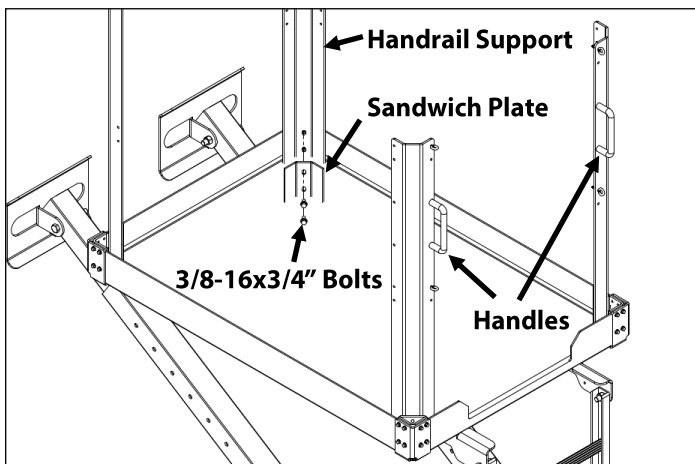


Image 7. Installing the Handrail Supports.

10. Lift the platform upwards.
11. Remove the QR pin securing the ladder and rotate the ladder towards the landing entrance.

12. Lower the ladder so that the slots cut into the bottom of the side rails fit between the nut and locknut on the sill brackets. Once installed, the bottoms of the ladder rails should contact the sill.
13. Using a 15/16" wrench and socket, tighten the locknuts to ensure the ladder is stable during use.
14. Secure the remaining sill bracket to the landing sill with 1/2" anchor bolts.
15. Confirm all other bolted connections are tight.

16. Loosely attach the handrail supports and sandwich plates using the provided 3/8-16x3/4" hex flange bolts.

NOTICE

Note the orientation of the two front handrail supports. These have handles pre-assembled to aid in entry/exit of the work deck and are side specific.

ASSEMBLY/INSTALLATION INSTRUCTIONS

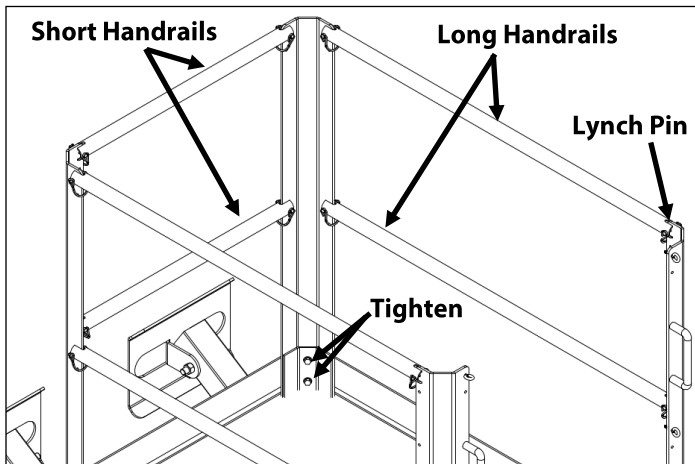


Image 8. Installing the Handrails.

17. Install handrails and secure with lynch pins through the pre-drilled holes in the handrail supports. The two short handrails are to be installed on the back side of the work deck.
18. Using a 9/16" socket or wrench, tighten the 3/8-16x3/4" bolts that were loosely assembled in step 16.

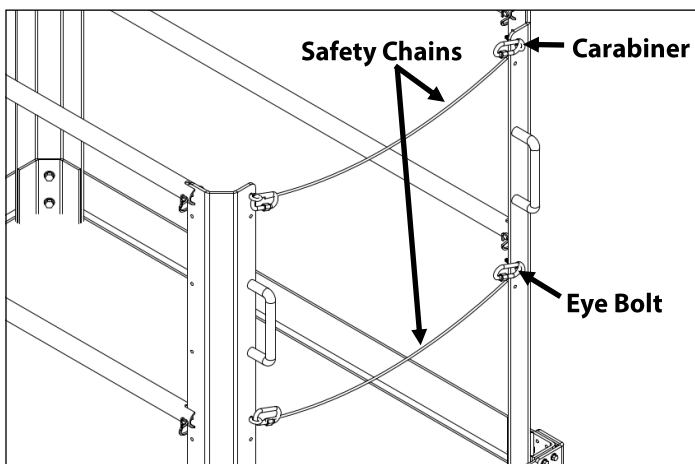
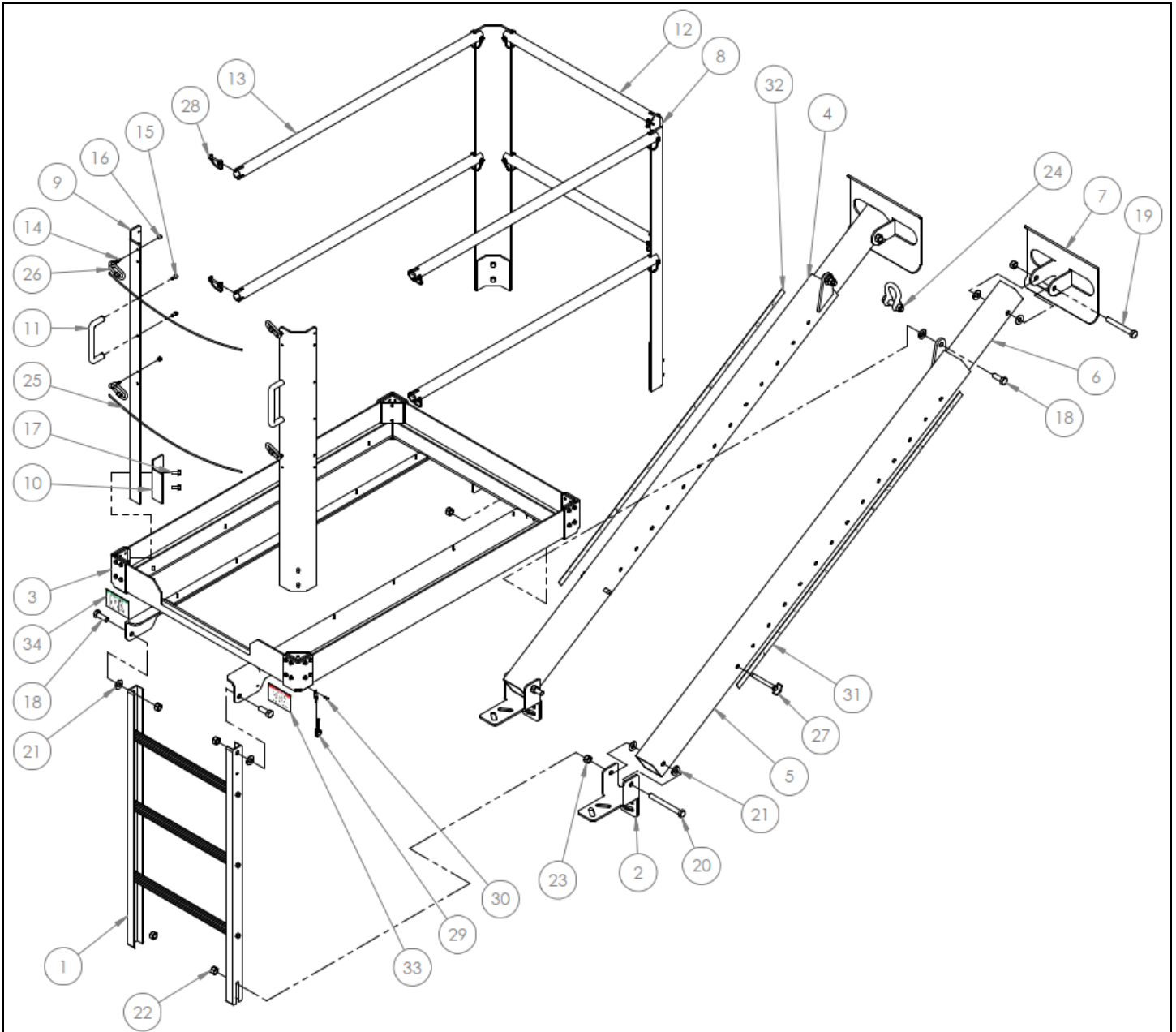


Image 9. Assembling the Safety Chains.

19. Clip the carabiners attached to the safety chains through the eye bolts on both of the front handrail supports.

BILL OF MATERIALS - EXPLODED VIEW



BILL OF MATERIALS

ITEM	QTY	PARTNO	DESCRIPTION	SIZE	LENGTH	SPARE/ WEAR
1	1	15-10051825	LADDER	-	-	
2	2	15-10053934	MOUNT BRACKET WELDMENT	-	-	WEAR
3	1	15-10051834	FIXED WORKDECK PLATFORM	-	-	
4	1	15-10051878	LEFT MAIN FIXED ARM	-	-	
5	1	15-10051882	RIGHT MAIN FIXED ARM	-	-	
6	2	15-10051828	EXTENSION TUBE	-	-	
7	2	15-10053937	WALL SUPPORT WELDMENT	-	-	WEAR
8	2	10-10022107	V1 HANDRAIL POST	-	-	
9	2	15-10052309	V2 WORKDECK HANDRAIL FRONT	-	-	
10	4	10-10022108	SANDWICH PLATE	-	-	
11	2	20W160B79T/3T	20MM X 160 GN565 AL HANDLE	-	-	
12	2	15-10051872	FIXED HANDRAIL SHORT	-	-	
13	4	15-10051866	FIXED HANDRAIL LONG	-	-	
14	4	42233	EYE BOLT	1/4-20	1"	SPARE
15	4	11104685	SERRATED HEX FLANGE SCREW	1/4-20	5/8"	SPARE
16	4	70860	NYLON INSERT LOCK NUT	1/4-20	-	SPARE
17	8	11104709	SERRATED HEX FLANGE SCREW	3/8-16	3/4"	SPARE
18	4	13310	HEX HEAD CAP SCREW	5/8-11	1 3/4"	SPARE
19	2	13323	HEX HEAD CAP SCREW	5/8-11	5"	SPARE
20	2	13325	HEX HEAD CAP SCREW	5/8-11	6"	SPARE
21	12	302707-130481	FLATWASHER	5/8"	-	SPARE
22	8	37036	NYLON INSERT LOCK NUT	5/8-11	-	SPARE
23	2	36314	HEX NUT	5/8-11	-	SPARE
24	1	16-032	ANCHOR SHACKLE (SCREW PIN)	4 1/2 TON	-	SPARE
25	2	16025E	1/0 DOUBLE LOOP CHAIN 2-1/2 FT	-	-	SPARE
26	4	3933T14	CARABINER 3/8" SNAP, 1/2" EYE DIA.	-	-	SPARE
27	2	98412A215	LOOP-GRIP CLEVIS PIN WITH COTTER PIN	1/2"	4"	SPARE
28	12	CLP-570	LYNCH PIN, WIRE LOCK TYPE	1/4"	1 3/4"	SPARE
29	1	94975A389	QUICK-RELEASE PIN WITH LANYARD	1/4"	1.6"	SPARE
30	1	41125	STEEL RIVET	3/16"	.126-.250"	
31	1	15-10054774	ADJUSTMENT LABEL RIGHT SIDE	-	-	
32	1	15-10054775	ADJUSTMENT LABEL LEFT SIDE	-	-	
33	1	15-10054776	WORKDECK CAPACITY TAG	-	-	
34	1	15-10054777	WORKDECK HOISTWAY DEPTH TAG	-	-	