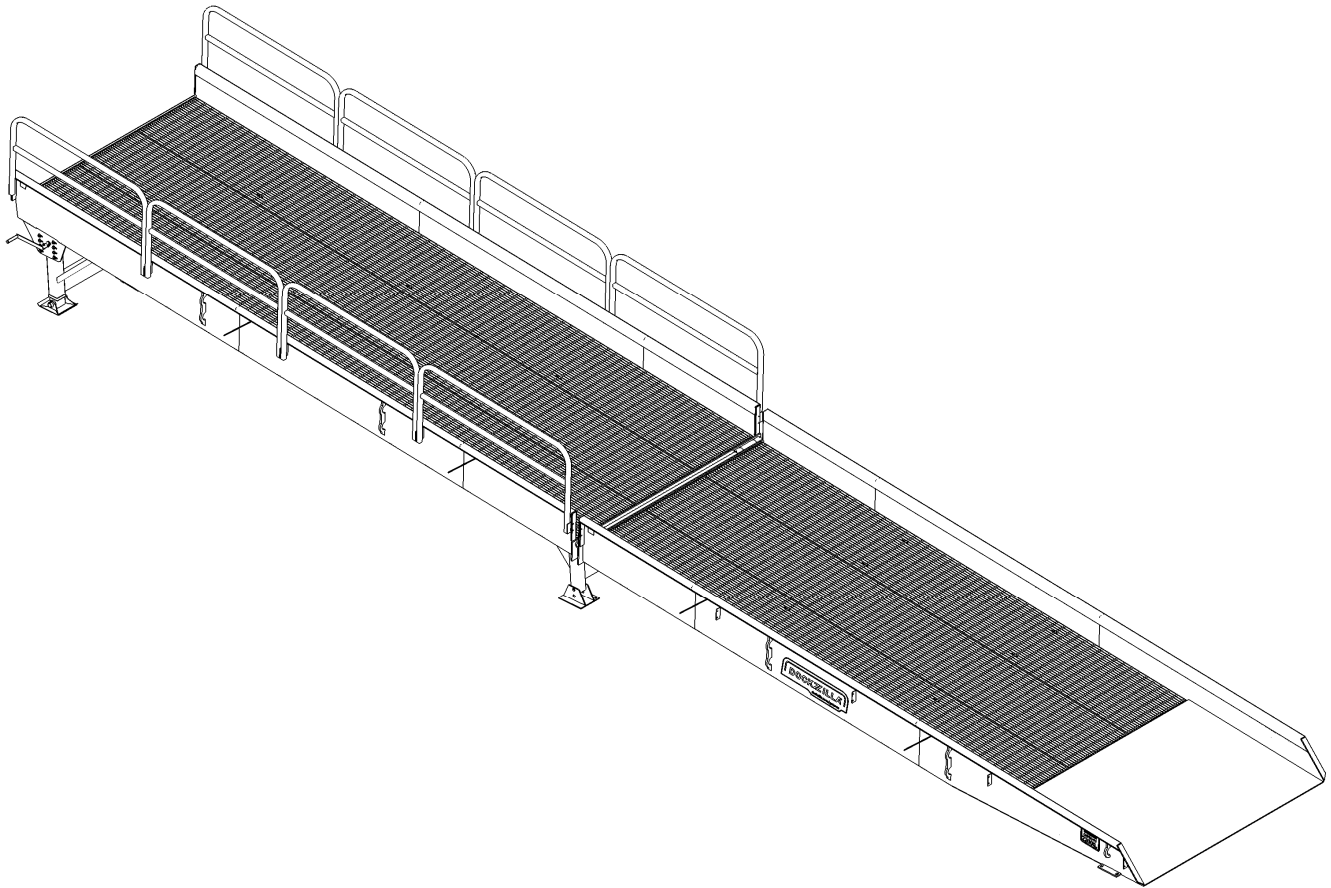




DOCK TO GROUND RAMP, 50'L OWNER'S MANUAL



This manual applies to ZTG50 Dock to Ground Ramps manufactured beginning February 2024 with the serial numbers SN 24-000167 and higher.

⚠ WARNING

Do not install, operate or service this product unless you have read and understand the Safety Practices, Warnings, Installation and Operating Instructions contained in this User's Manual. Failure to do so could result in death or serious injury.

TABLE OF CONTENTS

INTRODUCTION.....	2
OWNER RESPONSIBILITY.....	3
SAFETY WARNING DEFINITIONS.....	3
PRODUCT SAFETY WARNINGS.....	4
FEATURES.....	4
INSTALLATION.....	5
OFFLOADING PROCEDURE.....	5
MOVING THE RAMP.....	8
MOVING THE UPPER RAMP.....	8
MOVING THE LOWER RAMP.....	9
INSTALLATION PROCEDURE.....	11
MAINTENANCE.....	13
TROUBLESHOOTING AND ADJUSTMENT.....	13
REPLACEMENT PARTS.....	14
STANDARD WARRANTY.....	15

INTRODUCTION

The Dock to Ground Ramp is designed to provide a safe access between the ground and an elevated loading dock. The Dock to Ground Ramp has manually adjustable legs allowing it to be adapted to the height of the existing dock.

WARRANTY

See back of owner's manual.

IMPORTANT

Read and understand the contents of this manual prior to installation or operation of this equipment.

DIMENSIONS & CAPACITY

Model	Length	Width	Capacity	Ramp Weight
ZTG5009616A	50 ft.	96 in.	16,000 lbs. (7,250 kg)	11,750 lbs. (5,350 kg)
ZTG5009622A	50 ft.	96 in.	22,000 lbs. (10,000 kg)	12,350 lbs. (5,600 kg)
ZTG5009632A	50 ft.	96 in.	32,000 lbs. (14,500 kg)	14,550 lbs. (6,000 kg)
ZTG5011416A	50 ft.	114 in.	16,000 lbs. (7,250 kg)	13,450 lbs. (6,100 kg)
ZTG5011422A	50 ft.	114 in.	22,000 lbs. (10,000 kg)	14,850 lbs. (6,750 kg)
ZTG5011432A	50 ft.	114 in.	32,000 lbs. (14,500 kg)	16,500 lbs. (7,500 kg)
ZTG5013816A	50 ft.	138 in.	16,000 lbs. (7,250 kg)	17,450 lbs. (7,950 kg)
ZTG5013822A	50 ft.	138 in.	22,000 lbs. (10,000 kg)	18,100 lbs. (8,200 kg)
ZTG5013832A	50 ft.	138 in.	32,000 lbs. (14,500 kg)	20,550 lbs. (9,350 kg)



WARNING
NEVER exceed
rated capacity

OWNER RESPONSIBILITY

1. The owner should recognize the inherent danger of the interface between dock and transport vehicle. The owner should, therefore, train and instruct operators in the safe use of dock equipment in accordance with the information provided below. The manufacturer shall provide to the initial purchaser, and make the following information readily available to the owner:
 - Installation instructions
 - Recommended initial and periodic inspections procedures.
 - Maintenance procedures
 - Operating instructions
 - Descriptions/specifications for replaceable/repairable parts
2. It shall be the responsibility of the owner to verify that the material listed in this section has been received and that it is made available for the instruction and training of personnel entrusted with the use or maintenance of the dock equipment.
3. When a transport vehicle is parked at a loading dock, it is important that the vehicle is relatively perpendicular to the dock face and in close contact with at least one of the docks' bumpers.
4. Nameplates, cautions, instructions, and posted warnings shall not be obscured from the view of operating or maintenance personnel for whom such warnings are intended.
5. Manufacturer's recommended periodic maintenance and inspection procedures in effect at date of shipment shall be followed, and written records of the performance of these procedures should be kept.
6. Dock equipment that is structurally damaged shall be removed from service, inspected by a manufacturer's authorized representative, and repaired as needed before being placed back in service.
7. The manufacturer shall make available replacement nameplates, caution/instruction labels, and operating/maintenance manuals upon request of the owner. The owner shall see that all nameplates, caution/instruction markings or labels are in place and legible, and that the appropriate operating/maintenance manuals are provided to users.
8. Modifications or alterations of dock equipment shall be made only with written permission of the original manufacturer. These changes shall also satisfy all safety recommendations of the original equipment manufacturer for the application of the dock equipment.
9. When industrial trucks are driven on and off access ramps, ensure proper direction of travel and speed are maintained per OSHA forklift training.

SAFETY WARNING DEFINITIONS

DANGER

DANGER statements indicate an imminently hazardous situation. Failure to follow the listed instructions will result in serious injury or death!

CAUTION

CAUTION statements indicate a potentially hazardous situation. Failure to follow the listed instructions may result in minor to moderate injury or property damage!

WARNING

WARNING statements indicate a potentially hazardous situation. Failure to follow the listed instructions may result in serious injury or death!

NOTICE

NOTICE statements are used to indicate procedures that must be followed to avoid equipment or property damage.

PRODUCT SAFETY WARNINGS

⚠ DANGER

ALWAYS ensure ramp is clear of personnel when operating vehicles on the ramp.

⚠ CAUTION

Follow the maintenance schedule to ensure that there are no broken parts that might cause injury to workers or damage to the equipment.

⚠ WARNING

NEVER perform maintenance without barricading the work area to warn that work is being done.

NEVER exceed the rated load capacity.

If a malfunction occurs, contact Dockzilla Co. or local representative and discontinue use of dock to ground ramp until the issue has been resolved.

FEATURES

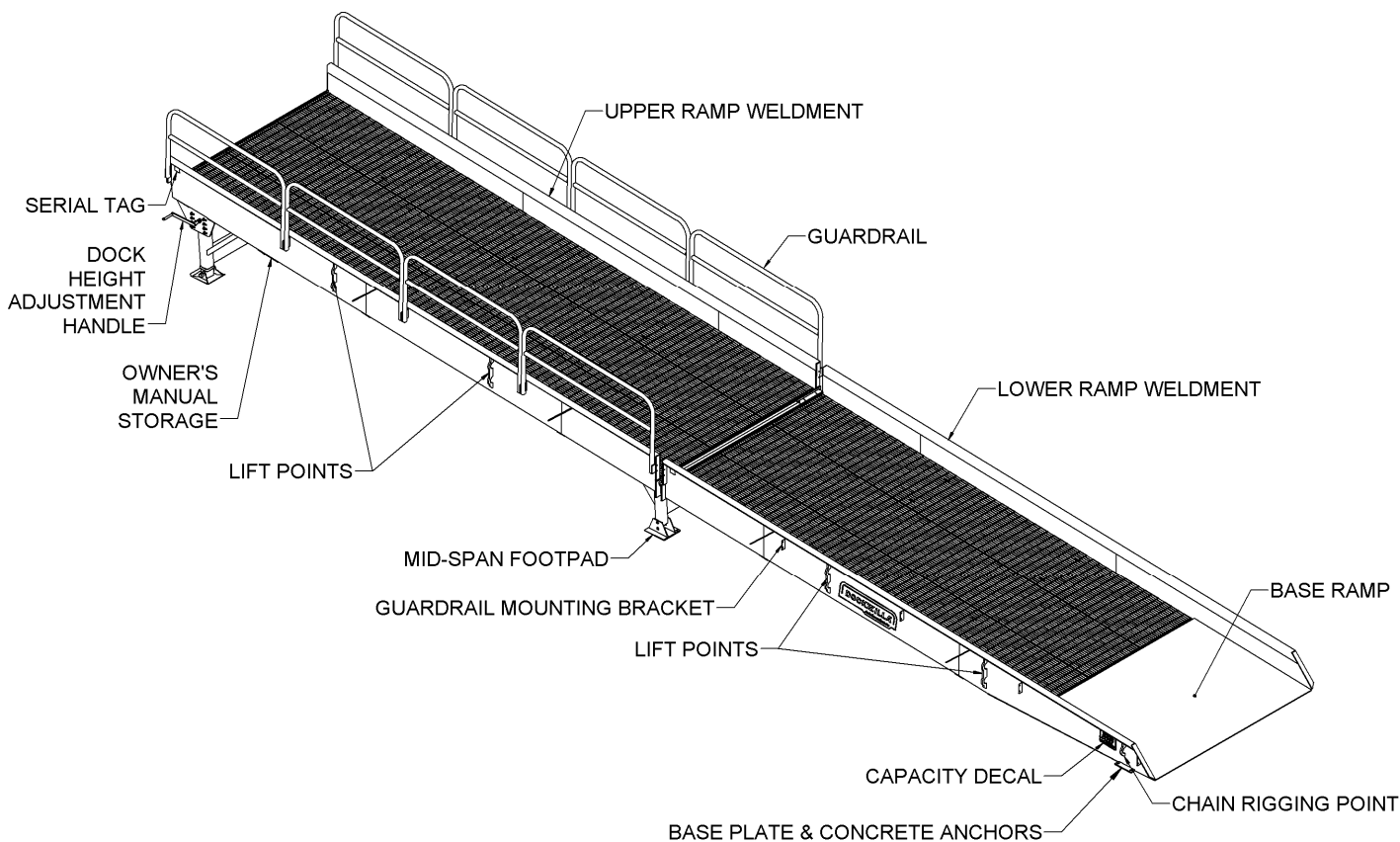


Figure 1: Dock to Ground Ramp Features

INSTALLATION

TOOLS REQUIRED

- Crane, Telescopic Handler, or two forklifts
- Rotary Hammer and 3/4" concrete bit (minimum 8" long)
- 3/16" hex key
- 9/16" wrenches or wrench and socket
- 1-1/8" wrenches or wrench and socket
- Welder (recommended)

OFFLOADING PROCEDURE

Note: Read complete installation instructions before offloading the ramp.

1. If possible, drive and park truck/trailer near the final location of the ramp.
2. Inspect all equipment for any freight damage and verify all components have arrived.
3. Remove all chains and straps that are securing the loading dock to the trailer.
4. Remove pallets and any other items off the loading dock.
5. Lift the ramp from the trailer using one of the following methods outlined on the following page. A crane or telehandler is the preferred equipment for unloading and installing the dock to ground ramp.



***NEVER exceed the rated capacity of lifting equipment
(see the table below for ramp weights)***

NEVER lift loading dock with any objects sitting on the ramp or platform.

Model	Length	Width	Capacity	Ramp Weight
ZTG5009616A	50 ft.	96 in.	16,000 lbs. (7,250 kg)	11,750 lbs. (5,350 kg)
ZTG5009622A	50 ft.	96 in.	22,000 lbs. (10,000 kg)	12,350 lbs. (5,600 kg)
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- a. **CRANE / TELEHANDLER WITH LIFTING HOOK (PREFERRED):** Attach 6ft straps with clevis (preferred) or chains to the four lift points located on the sides of the upper ramp (Figure 2a). Slowly lift the ramp from the trailer, move it to the desired location, and carefully place it on the ground. Repeat for the lower ramp. **NOTE: Figure 2a shows the lifting of the upper ramp. The lower ramp is lifted in a similar manner.**

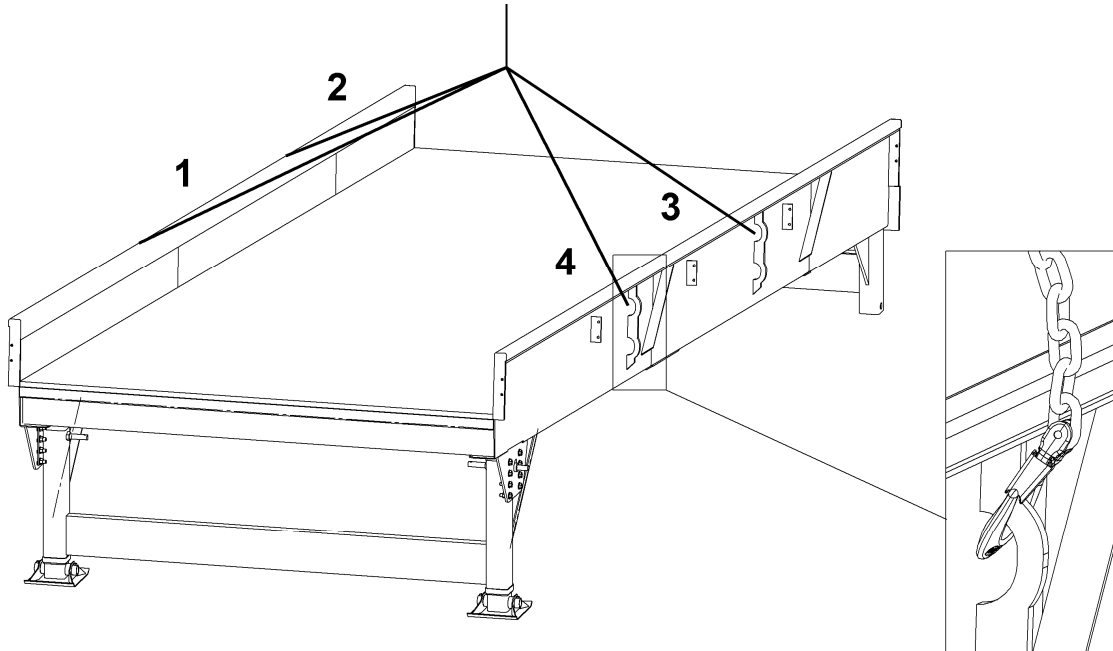


Figure 2a: Offloading with a Crane

- b. **TELEHANDLER:** Fully insert forks on either side of “FORKS HERE” tab so that the full width of the ramp is fully supported. Forks must be long enough to reach both side of the ramp. **12’ forks are required for 138” wide ramps, 10’ forks are required for 114” wide ramps, and 9’ forks are required for 96” wide ramps.** Starting with the upper ramp, slowly lift ramp, and verify that the load is stable. Carefully move the upper ramp to the desired location and place it on the ground. Repeat for the lower ramp. **NOTE: Figure 2b shows the lifting of the upper ramp. The lower ramp is lifted in a similar manner.**

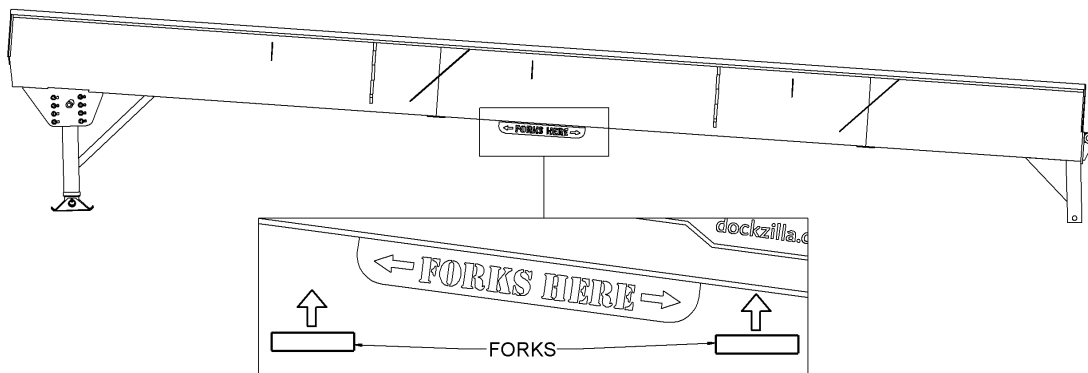


Figure 2b: Offloading with a Telehandler



Forks MUST be long enough to support both sides of the ramp. Properly rated fork extensions are acceptable.

- c. **TWO FORKLIFTS:** Position a forklift on either side of the ramp. Fully insert forks on either side of the "FORKS HERE" tab, so that the full width of the ramp is fully supported. Starting with the upper ramp, lift the ramp just high enough so there is no contact with the lower ramp or trailer and verify the stability of the load. Once the ramp is clear of the lower ramp and trailer, drive the trailer forward until there is enough space to lower the ramp to the ground. Repeat for the lower ramp. **NOTE: Figure 2c shows the lifting of the upper weldment. The lower weldment is lifted in a similar manner.**



WARNING

DO NOT attempt to move the forklifts in any direction while unloading the ramp from the trailer with two forklifts. Only raise and lower the forks while handling the ramp in this manner.

There MUST be clear communication between the forklift operators and the transport vehicle driver at all times.

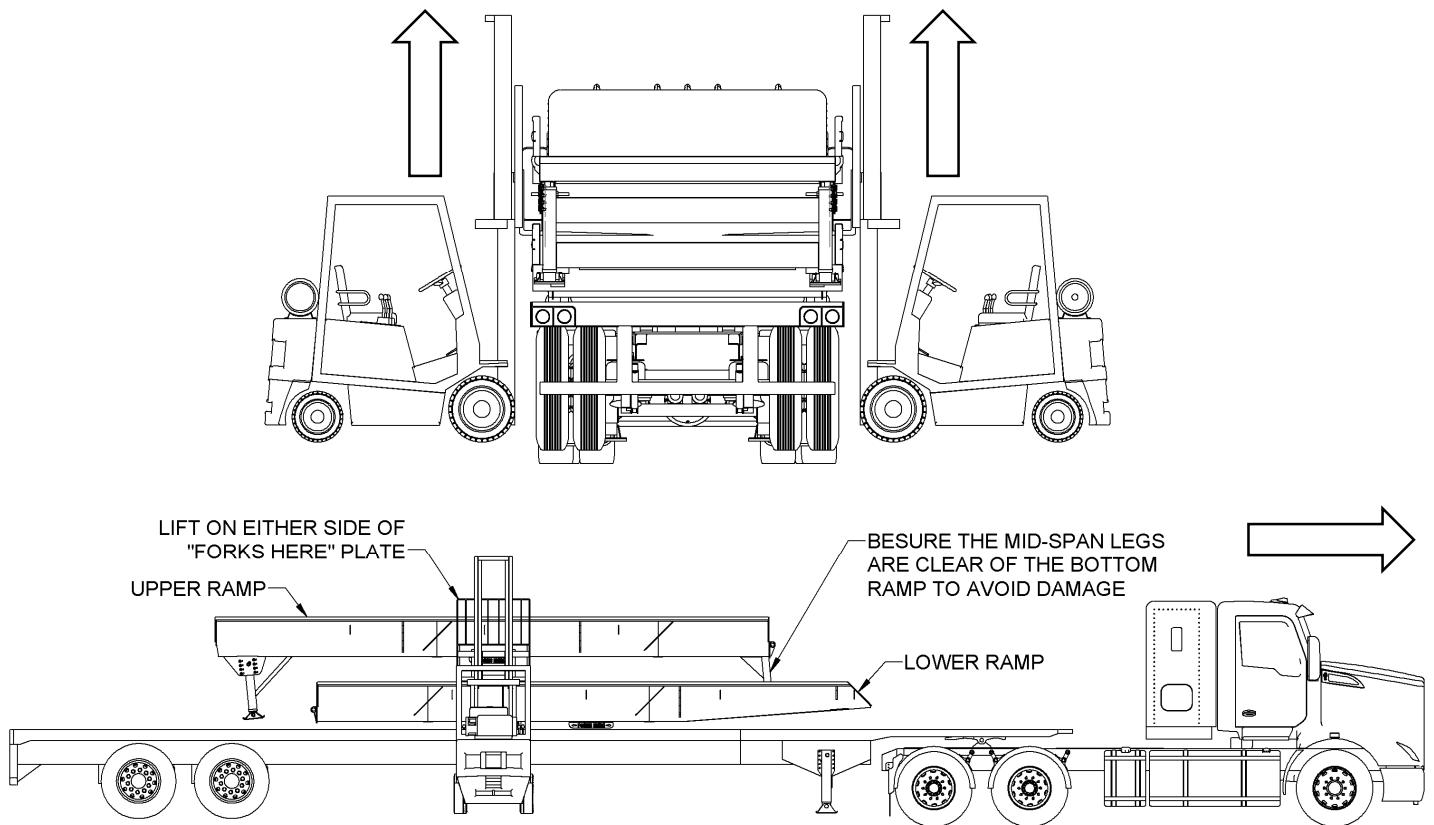


Figure 2c: Offloading with 2 Forklifts

MOVING THE RAMP

There are different methods for moving the upper and lower ramps. See the summaries below.

CAUTION *Ensure the area is clear of personnel before moving the ramp.*

*Whenever using multiple forklifts, there **MUST** be always clear communication between the forklift operators.*

***DO NOT** move the ramp when the upper and lower ramps are assembled together. Be sure to remove the hinge pins before moving the ramp sections.*

MOVING THE UPPER RAMP

1. Lift and move the upper ramp using one of the following methods.
 - a. **CRANE OR TELESCOPIC HANDLER (PREFERRED):** Attach straps/chains to the four lift points located on the sides of the ramp (Figure 3a). Slowly lift the ramp from the ground, move it to the desired location, and carefully lower.

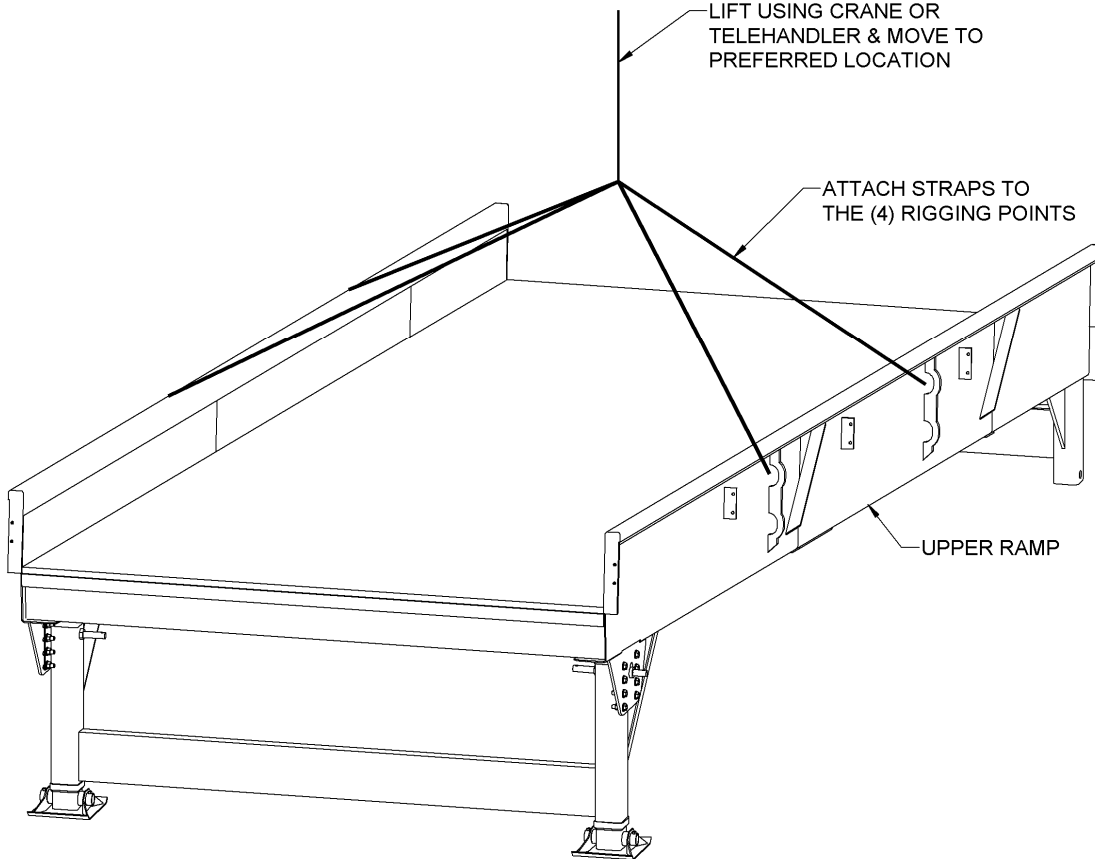


Figure 3a: Moving the Upper Ramp with Crane/Telescopic Handler

- b. **TWO FORKLIFTS:** Position a forklift at the front and rear ends of the upper ramp as shown in Figure 3b. Place forks underneath the cross beam between the adjustable legs to lift the front of the ramp and between the mid-span legs on the end of the ramp. Carefully move the ramp to the desired location.

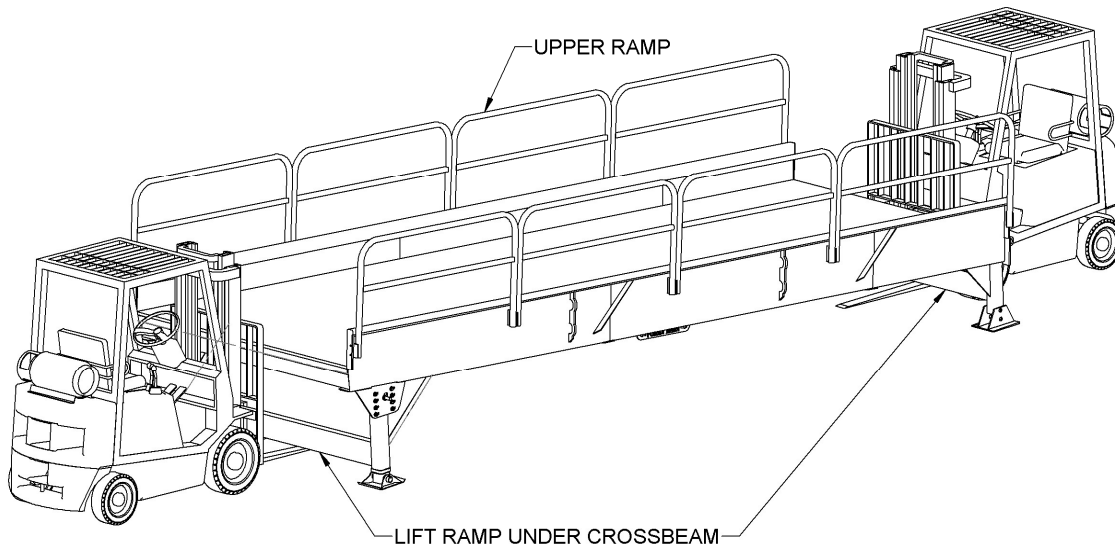


Figure 3b: Moving the Upper Ramp with 2 Forklifts

MOVING THE LOWER RAMP

- 1. Lift and move the lower ramp using one of the following methods.
 - a. **CRANE OR TELESCOPIC HANDLER (PREFERRED):** Attach straps/chains to the four lift points located on the sides of the ramp (Figure 4a). Slowly lift the ramp from the ground, move it to the desired location, and carefully lower on to the upper ramp.

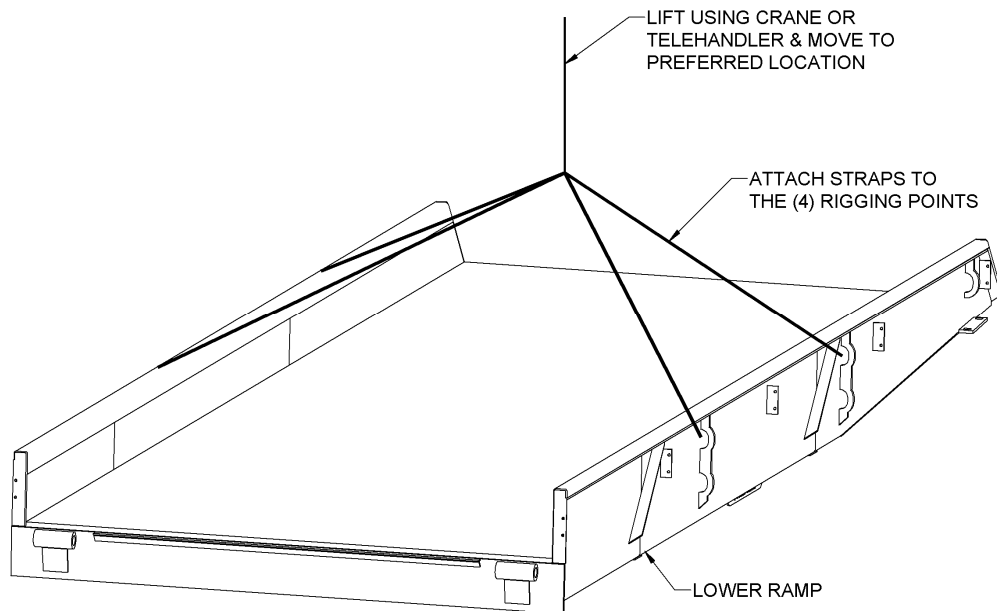


Figure 4a: Moving the Lower Ramp with Crane/Telescopic Handler

- b. **TWO FORKLIFTS:** Position a forklift on either side of the lower ramp. Attach chains or straps between the rigging points on the ramp and the forklifts before lifting or moving. Carefully move the ramp to the desired location and lower on to the upper ramp.

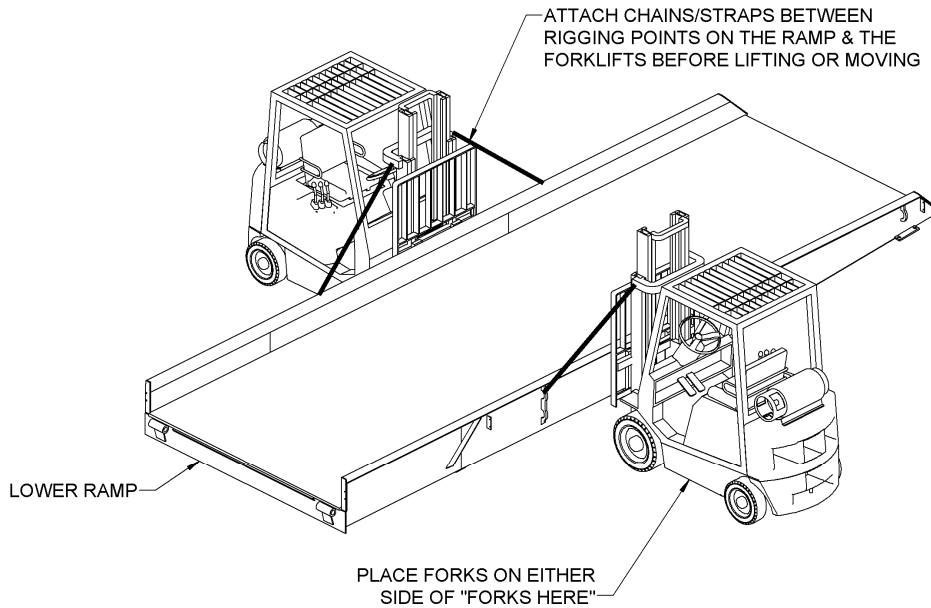


Figure 4b: Moving the Lower Ramp with 2 Forklifts



If you ever need to lift the ramp base, use chains and the rigging points on either side of the ramp to lift. DO NOT lift ramp from beneath the base ramp.

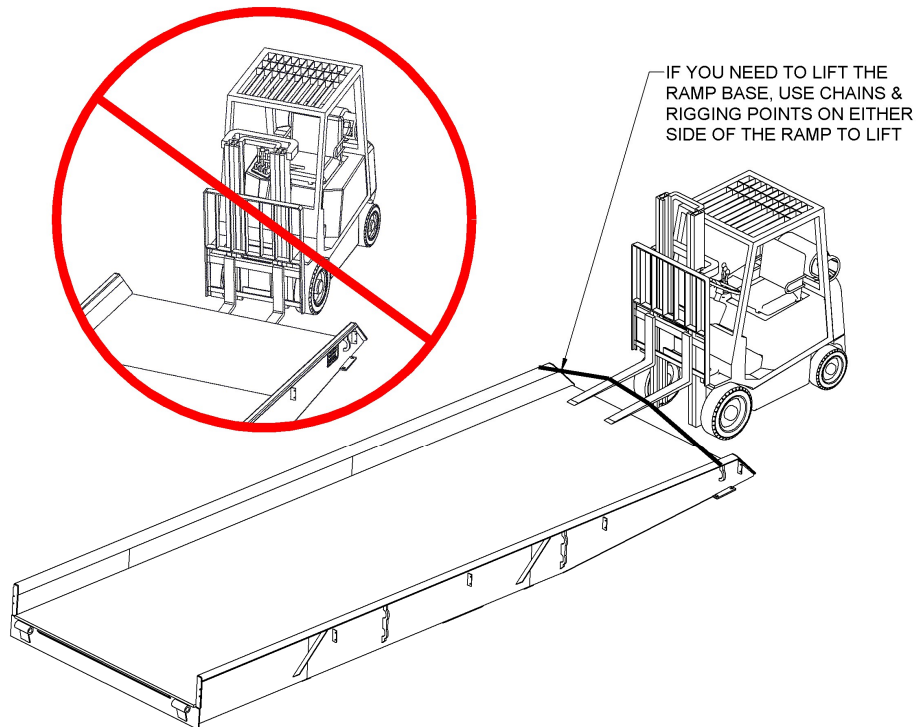


Figure 4c: Improper moving of the Lower Ramp

INSTALLATION PROCEDURE

1. Install the footpads on the mid-span legs using $\varnothing 1.25''$ x 6.25''L cotter pin and secure with (2) $\varnothing 0.25''$ x 2.00''L spring pins. See Figure 6 for guidance on which footpad hole to install the cotter pin in based on the dock height.
2. Place the upper ramp tight to dock face and centered on desired dock door.
 - Note:** If installing on a dock that has a leveler *and* you are planning on using the leveler, **do not** remove the bumpers. The gap created by the bumpers will allow you to continue to raise and lower the leveler lip.
3. Install dock height adjustment handle to on one of the adjustable legs. Use the provided bolt to pin the handle to the shaft before using the handle.
4. Turn the handle to adjust the height of the ramp until the edge of the ramp is flush with the dock surface.
 - a. **Note:** If the installation is on a dock with a transition plate, install transition plate prior to installing the ramp. The transition plate will change your effective dock height.

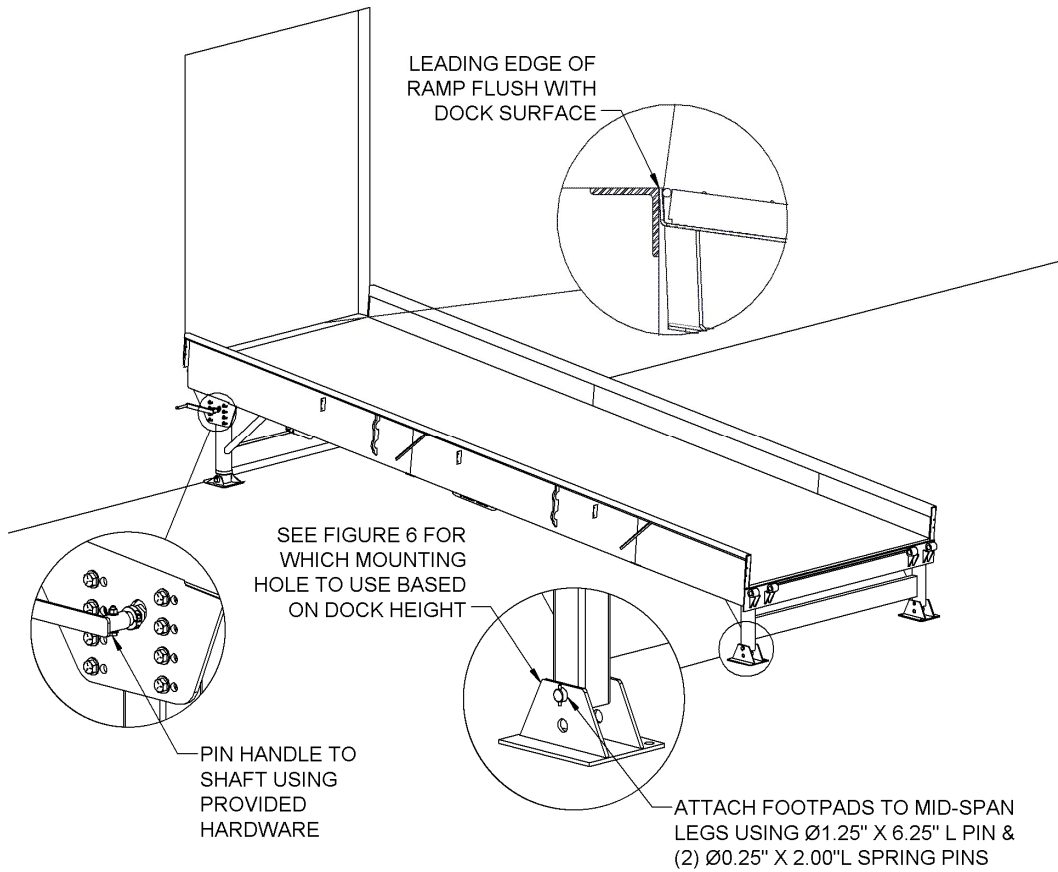


Figure 5: Placing and Adjusting the Upper Ramp

Dock Height*	Footpad Hole to Install Cotter Pin
Over 54"	Top Footpad Hole
Under 54"	Bottom Footpad Hole

Figure 6: Footpad Installation Location by Dock Height

*These recommendations are for level surfaces. Use judgement for sloped surfaces – the dock to ground ramp should maintain an equal slope across the upper and lower weldments.

5. Repeat steps 4&5 on the other leg. If there is a large initial difference from ramp to dock, each leg may need to be adjusted more than once to achieve proper alignment.

6. Once leg height is set, tighten the 3/16" screw on the adjustment handle collar to lock the handle in place.
7. Weld the ramp to curb steel or transition plate as shown in Figure 7. Clean all weld joints and touch up any damaged paint.

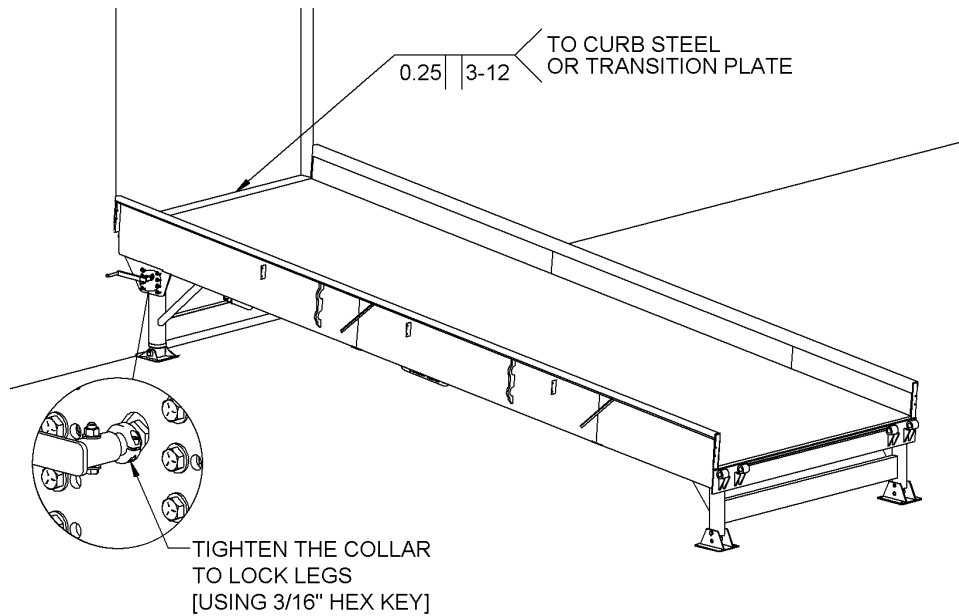


Figure 7: Welding and Locking Legs on Upper Ramp

8. Place the lower ramp on the upper ramp.
9. Install $\varnothing 1.63$ " x 11.00" L hinge pins and (2) $\varnothing 0.375$ " x 3.00" L spring pins to secure the lower and upper ramps.
10. Use the provided $\varnothing 0.75$ " x 6.00" L screw anchors to secure the base of the ramp to the ground.
11. Install all handrails using the 3/8" hardware. Adjacent guardrails share a mounting bracket and hardware.

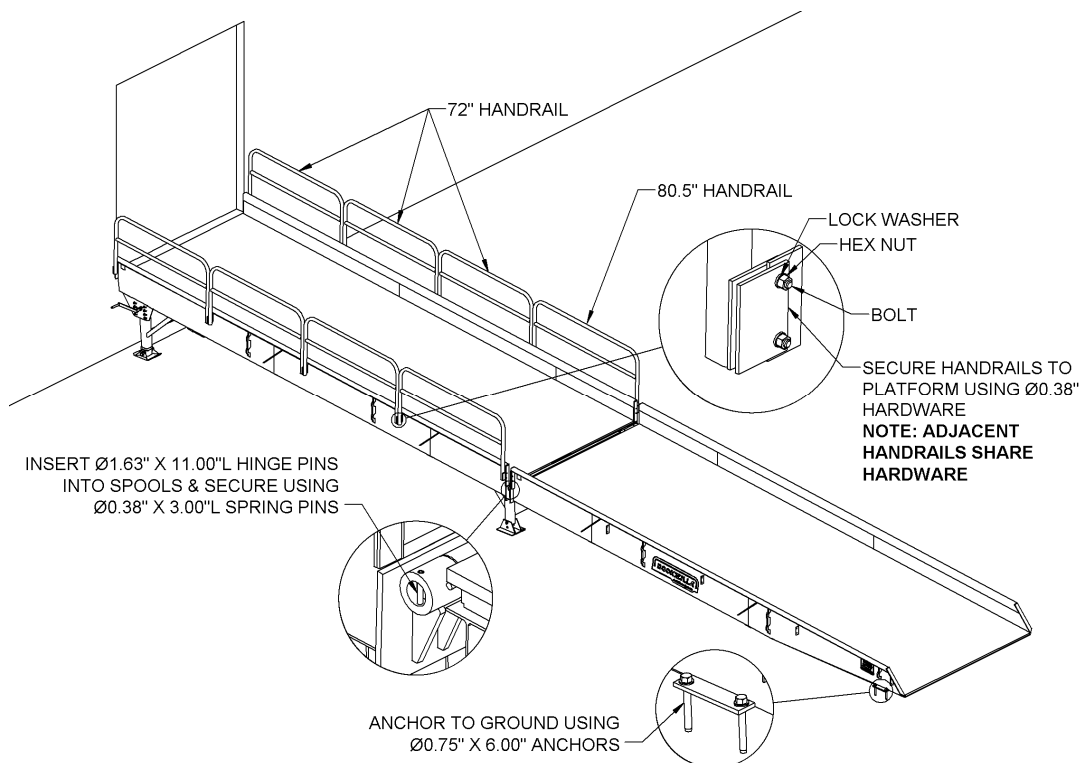


Figure 8: Installing Lower Ramp & Handrails

MAINTENANCE

⚠ WARNING

Post safety warnings and barricade work area, at dock level and at ground level, to prevent unauthorized use of the dock position.

NOTICE

Maintenance may be required more frequently at loading docks exposed to harsh environments (extreme climates, corrosive chemicals, frequency of usage exceeding 8 vehicles per day, etc.). Consult Dockzilla Co. if these conditions exist for accelerated maintenance requirements.

DO NOT USE SALT. If necessary, use a non-corrosive ice melt product for use on steel. As a pre-treatment a chloride free, non-corrosive de icer should be applied to tire surface of ramp.

Damage caused by corrosion is not covered under product warranty.

DAILY

1. Remove any debris on or around the ramp.

QUARTERLY

1. Clean thoroughly to prevent corrosion.
2. Inspect ramp for structural damage, cracked welds, bent structural members, etc. If any issue is discovered, discontinue use of ramp until the issue is repaired.
3. Check for any loose fasteners. Retighten as needed. Replace any broken or damaged fasteners with a SAE Grade 5 or higher of the same diameter.
4. Verify bar grating is structurally sound and maintains acceptable traction for the forklifts or vehicles using it. If grating is damaged or worn, consult factory for pricing and instructions to easily replace grating using existing weld clips.

TROUBLESHOOTING AND ADJUSTMENT

Symptom	Probable Causes	Remedy
Ramp surface uneven or not providing enough traction	Grating worn out	Consult factory for details and pricing. Take photo of serial tag prior to call.
Dock Height Adjustment handle does not turn	Shaft collar too tight	Loosen shaft collar screw
Ramp upper edge is not flush with building floor.	If ramp is installed on asphalt, adjust legs to compensate for any settling.	Steel plates under leg feet or concrete may be required. Consult Dockzilla Co.

REPLACEMENT PARTS

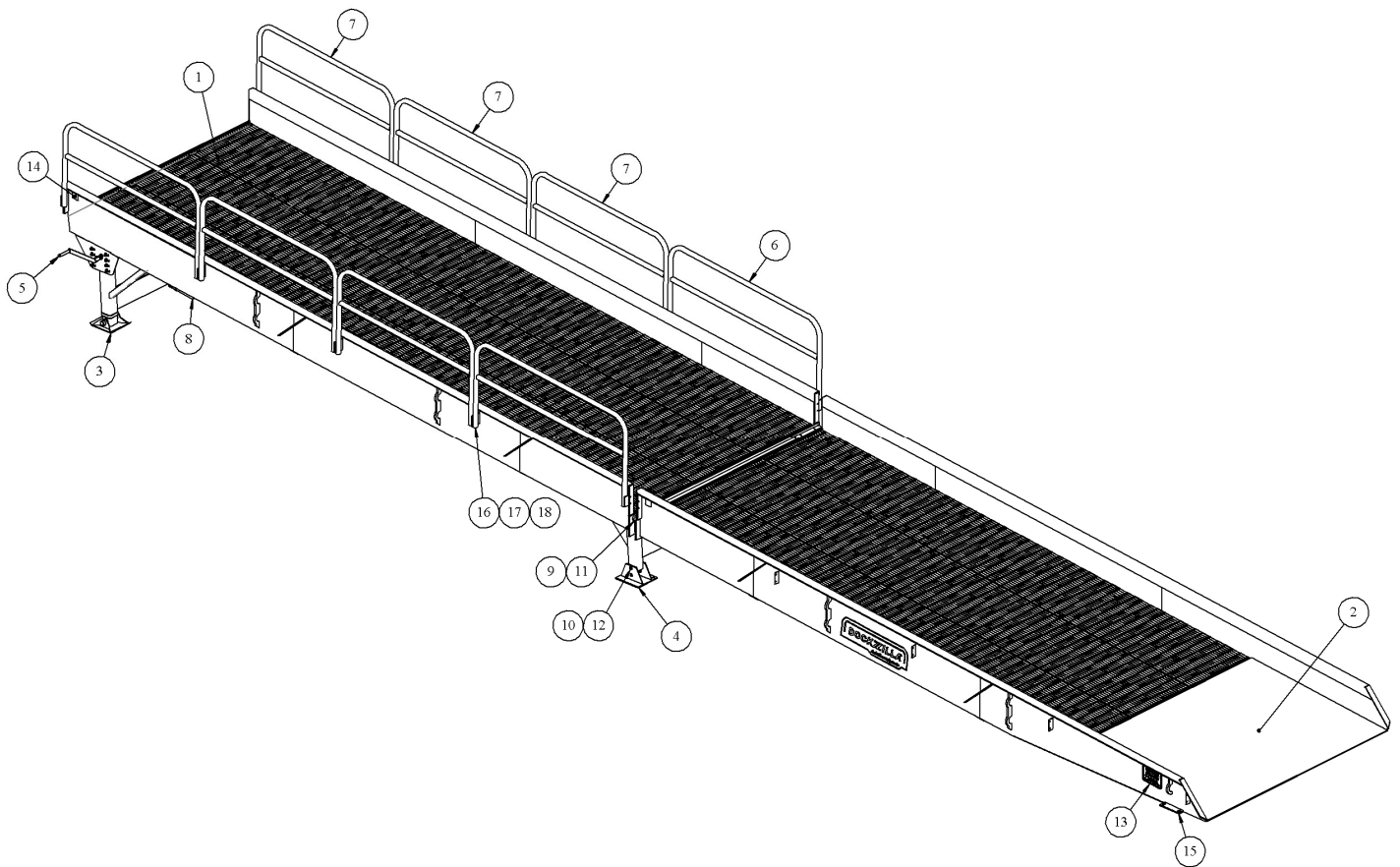


Figure 9: Replacement Parts

ITEM	DESCRIPTION	QTY	PART NUMBER
1	Upper Ramp Weldment	1	Contact Dockzilla Co.
2	Lower Ramp Weldment	1	Contact Dockzilla Co.
3	Leg Weldment	2	DZ1050A
4	Midspan Footpad	2	DZ1921
5	Leg Adjustment Crank Handle	1	DZ1051
6	Ramp Handrail, 80.5" Length	2	HRR38.5T80.5L14SC
7	Ramp Handrail, 72" Length	6	HRR38.5T72L14SC
8	Owner's Manual Canister	1	CAN-22
9	Round Pin, 1.63" dia. X 11.75" Length	2	DZ1930
10	Round Pin, 1.25" dia. X 3.00" Length, 2 Hole	2	CP20A-6.25
11	Slotted Spring Pin, 0.375" dia. X 3.00" Length	4	
12	Slotted Spring Pin, 0.25" dia. X 2.00" Length	4	
13	Ramp Capacity Decal	2	
14	Serial Tag	2	
15	Anchor, 0.75" dia. X 6.00" Length, Hex Head	8	
16	Bolt, 0.38 – 16 X 1.25" Length, Hex Head	20	
17	Nut, 0.38 – 16 UNC, Hex	20	
18	Washer, 0.38" ID, Split Lock	20	
19	Full-Length Handrail Kit (Optional – Not Shown)	1	HRK10

STANDARD WARRANTY

Dockzilla Co. warrants that its products will be free from defects in design, materials, and workmanship for a period of 365 days from the date of shipment. All claims for breach of this warranty must be made within 30 days after defect is or can, with reasonable care, be detected and in no event no more than 30 days after the warranty has expired. In order to be entitled to the benefits of this warranty, the products must have been properly installed, maintained, and operated within their rated capacities and/or specified design parameters, and not otherwise abused. Periodic lubrication and adjustment is the sole responsibility of the owner. This warranty is Dockzilla Co. exclusive warranty. DOCKZILLA CO. EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MECHANABILITY AND FITNESS. Non-standard warranties, if any, must be specified to Dockzilla Co. in writing.

LIMITATION OF LIABILITY

DOCKZILLA CO. SHALL NOT IN ANY EVENT BE LIABLE FOR ANY LOSS OF USE OF ANY EQUIPMENT OR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, WHETHER FOR BREACH OF WARRANTY, NEGLIGENCE, OR STRICT LIABILITY.



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