



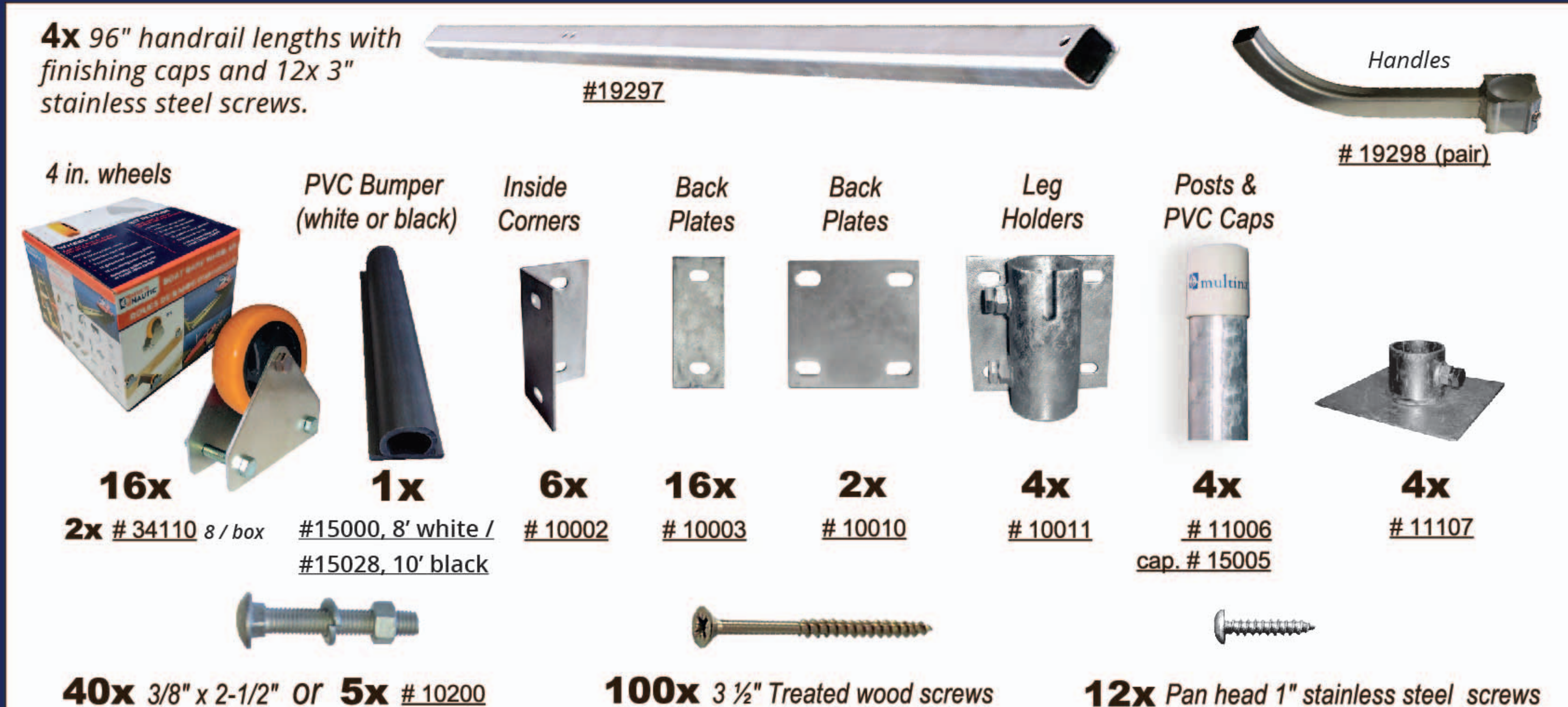
KAYAK RAMP ASSEMBLY GUIDE

This guide includes instructions for assembling a kayak or canoe ramp with **aluminum or wood handrails**.

- The **aluminum handrails** and ergonomic handles are included in the ready-to-assemble Kayak Ramp Kit #19290. They can also be ordered online.
- For the **wooden handrails**, we suggest you choose cedar.

If this box is not part of a complete Ramp Kit, here are the products to get (see following pages for the wood needed) :

(with
34110
Wheel Kit)



Help line :
1-800-585-1237
info@multinautic.com

TOOLS NEEDED FOR THIS PROJECT :

- > Saw
- > Tape measure
- > Pencil
- > Hammer
- > 1/4" Allen key
- > Drill with:
 - 7/16" drill bit
 - 9/16" & 3/4" Sockets or wrenches
 - Square head bit

This booklet will guide you through the steps to follow to complete your project.

- > First, you will assemble the basic structure.
- > The second step will guide you through the installation of the steel hardware pieces.
- > You will complete it with the wheels and accessories necessary for its installation.

It is recommended to be 2 people to assemble and install this kayak ramp. The time required is estimated at 4 hours.

Required Lumber -see Image A				Qty	Size	Length
A Main beams				2	2" x 6"	192" (16')
B End beams (for posts)				2	" "	48" (4')
C Central girts				2	" "	15" ⚠
D Outside girts				4	" "	7" ⚠
E Outside girts (at beam location)				2	" "	6 3/4" ⚠
F Decking boards				6	" "	48" (4')
G Decking side boards				2	" "	34 1/2"
H Handrail posts				6	2" x 4"	18"
I Handrail base supports				3	" "	35"
J Handrails (if not included in a kit)				2	2" x 4"	192" (16')

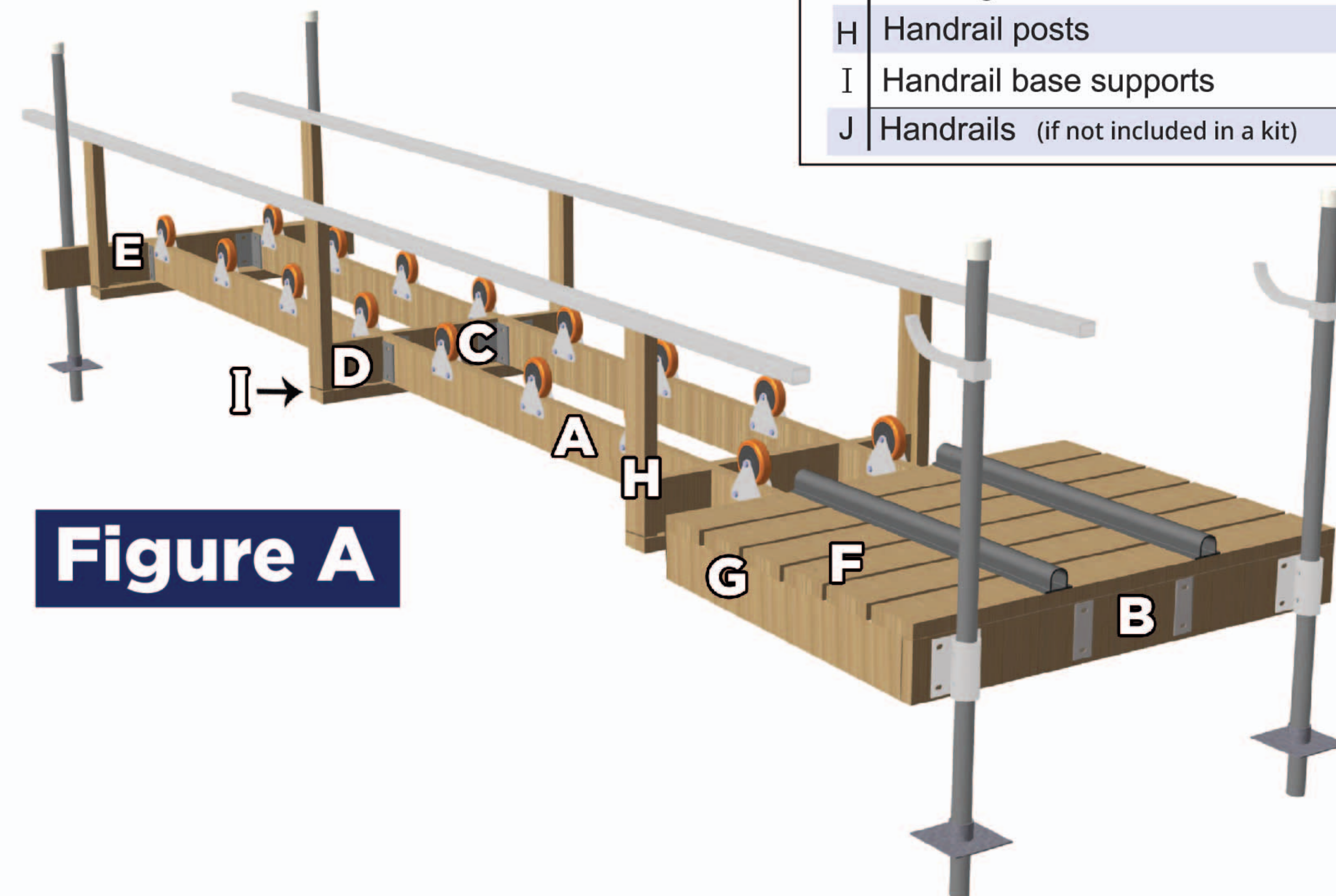


Figure A

Assemble the parts without interfering with the installation of the bolts for the steel hardware (see **Figure B**).

To do so, use only 2 screws at these locations. Note that the holes in these steel parts are spaced 3 1/2" apart from center to center.



1 PREPARATION



As each kayak model has its own characteristics, some preparation is necessary to adjust the ramp size to your situation. Before cutting the wood as indicated in the suggested material list, check the location of the scupper holes and the ribs under the hull if there are any. You may need to adjust the length of the Central Girts (C) and Outside ones (D & E) accordingly.

> To evaluate the width of your ramp, place 2 wheels under your kayak where the rolling will be done without any problem all along its length and measure the distance between the wheels. This dimension will be the same as the Central Girts length.

> If you estimate that the Central Girts will need to be extended by 2", the corresponding Outside Girts will be shorter by 1" each : the 7" will be 6", and the 6 3/4" will become 5 3/4".

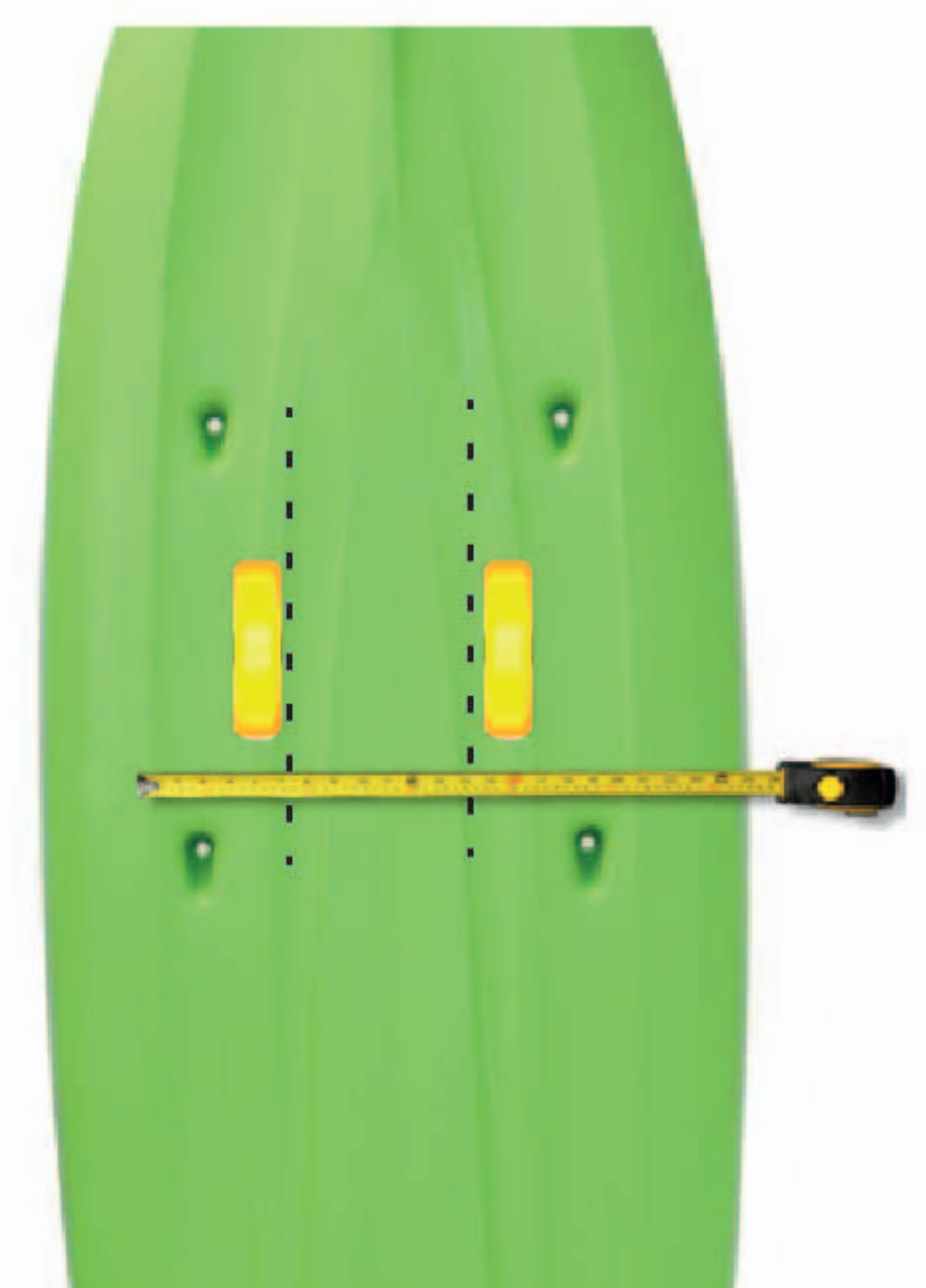
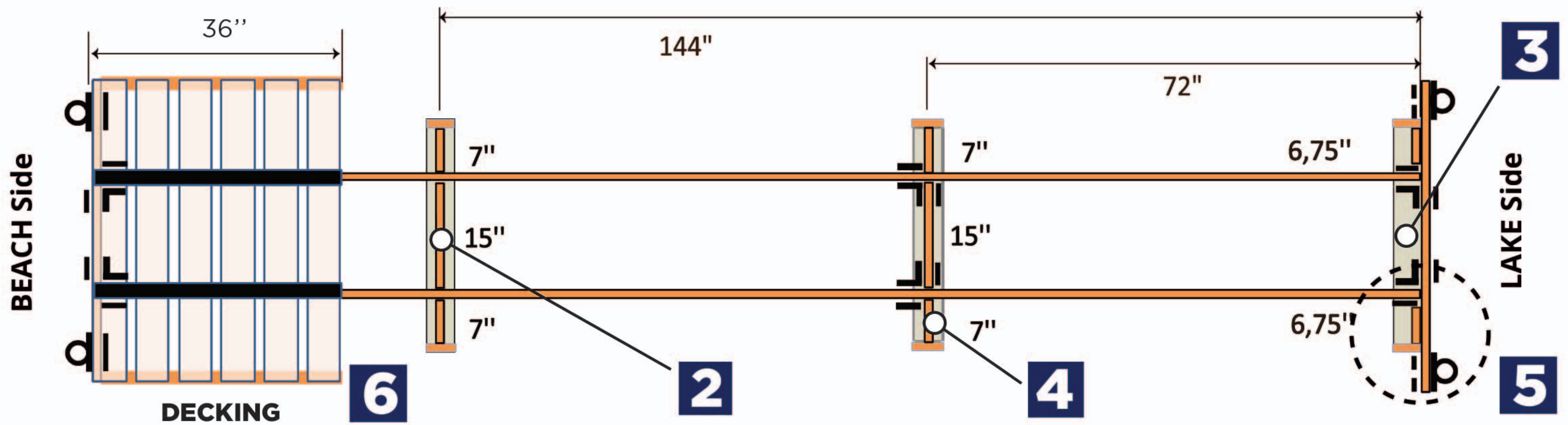


Figure B



2 MAIN BEAMS - CENTER GIRTS - END BEAMS

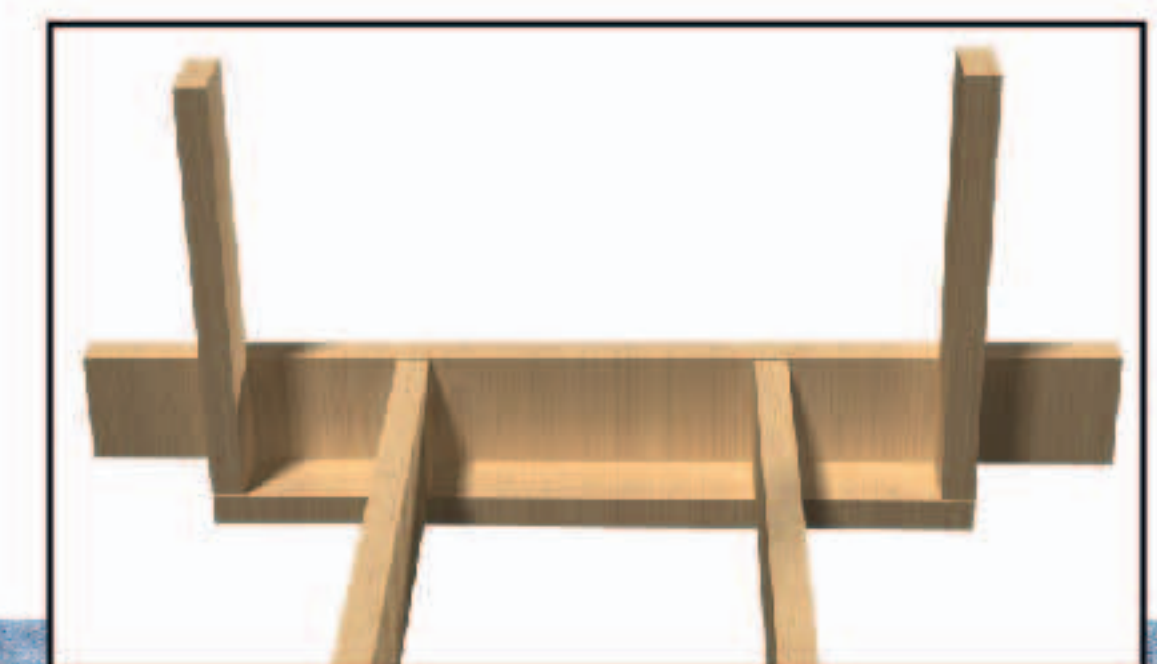
The assembly will first be done upside down.

- > Assemble the Main Beams (A) and Center Girts (C) with their centers at 72" and 144" as shown in **Figure B**.
- > Add the two End Beams (B).



3 HANDRAIL BASE SUPPORTS

- > Center and screw one of the Handrail Support Bases (I) into the Beams (A) near the End Beam (B) on the LAKE Side. Screw the other 2 Bases (I) into the Main Beams (A), making sure to center them to the 72" measurements shown.



4 OUTSIDE GIRTS

- > Screw the four 7" Outside Girts (D) into these Bases (I). To facilitate screwing in the next step, it is not necessary to align them exactly with the Central Girts (C).
- > Turn the structure right side up and add screws to these Outside Girts (D) to connect them to the Main Beams (A). To do this, install the screws at an angle.

5 HANDRAIL POSTS

- > Add the six Handrails Posts (H) with 5 screws each, 3 on the side and 2 underneath.
- > When you have finished installing the steel hardware, you will need to consolidate the Handrails from End Cap (B) on the Lake Side by screwing them into the End Cap with 3 screws.
- > Then you will imbricate the two remaining Outside Girts (E) with 6 screws each, in the End Beam, Support and Base.



see **Figure B**

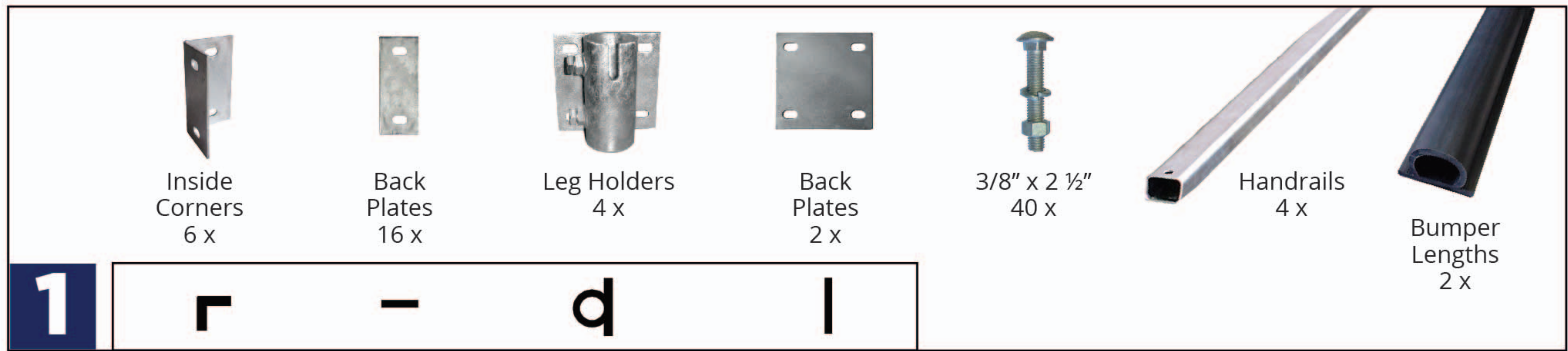
6 DECKING

- > Screw the Decking Boards (F) onto the Main Beams (A) leaving a distance of about 1/2" between them to cover 36".
- > Screw the Decking Side Boards (G) into the End Beam (B) and then screw the Decking Boards (F) into these Sides (G).





HARDWARE



STEEL HARDWARE

1

Refer to the icons in the above parts images to locate the steel hardware locations as shown in **Figure B**.

2

Position the Inside Corners and mark the holes with a pencil. Do the same with the Leg Holders.

3

Drill straight with a 7/16" drill bit.

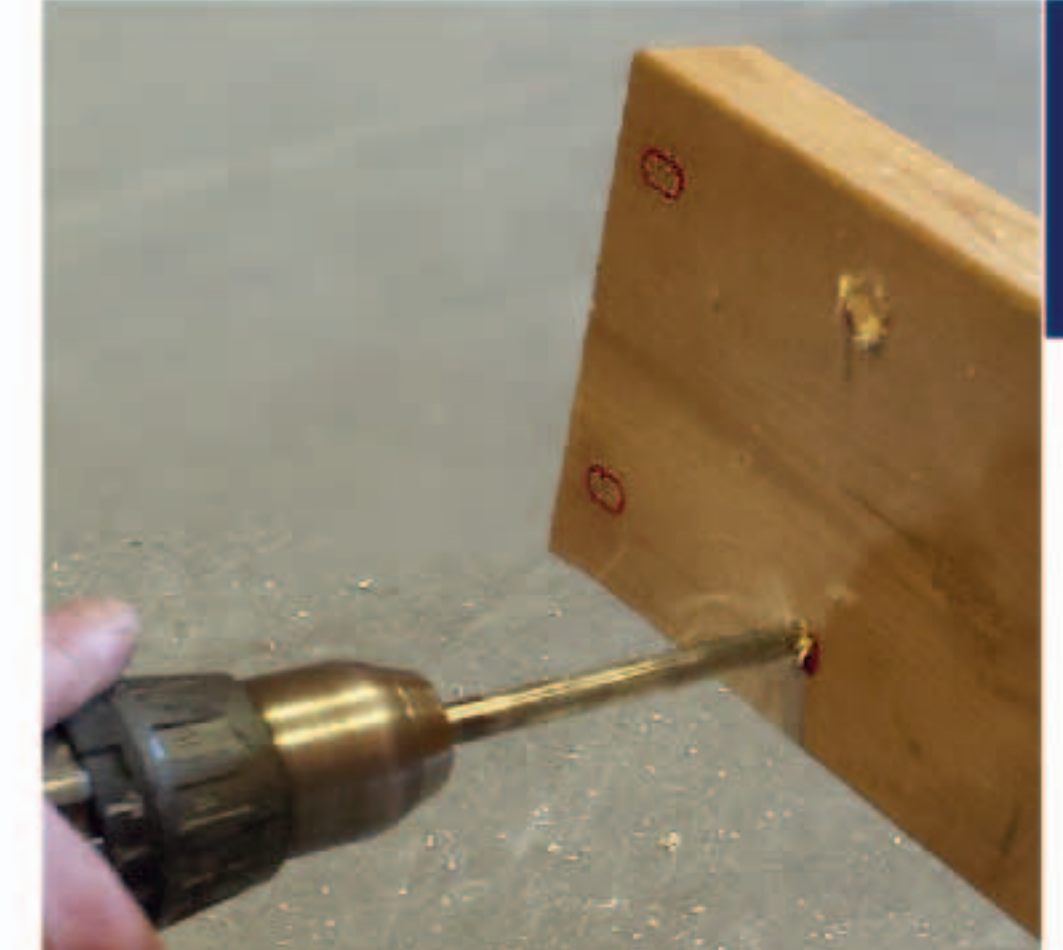
4

Install components with 3/8" x 2 1/2" bolts. Use a hammer if the bolts do not fit easily into the wood.

2



3



4



5

HANDRAILS

- > Locate the ends of the Handrails that do not have protective caps. These ends will be joined on the Center Handrail Support (H).
- > Position the Handrails on the Vertical Supports (H) with the larger, countersunk holes, on top.
- > Screw them securely into these Supports (H).

5



PVC BUMPERS

6

Install the Bumper Lengths on the Decking with stainless steel screws. They will stabilize and protect your kayak at the front.



Should you encounter any difficulties with this product, do not return it to the store.

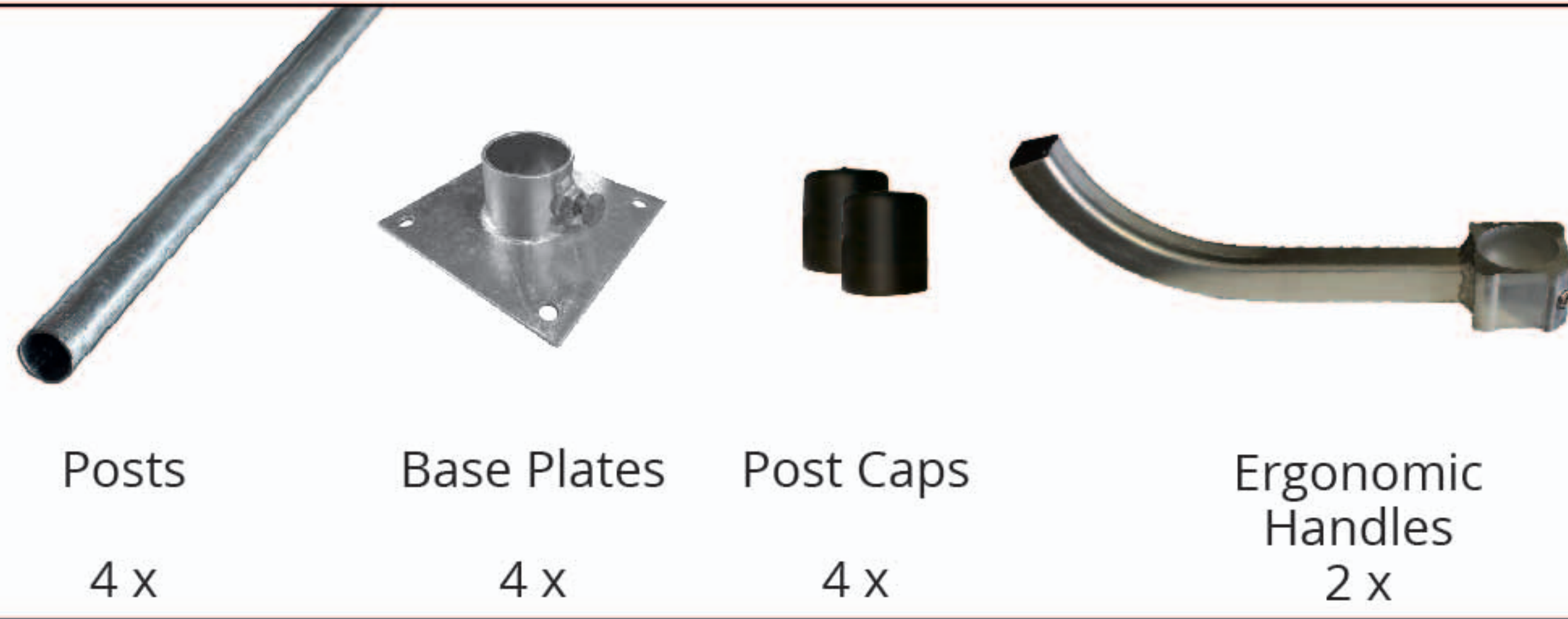
Please contact our customer service at

1-800-585-1237



WHEELS & RAMP INSTALLATION

1



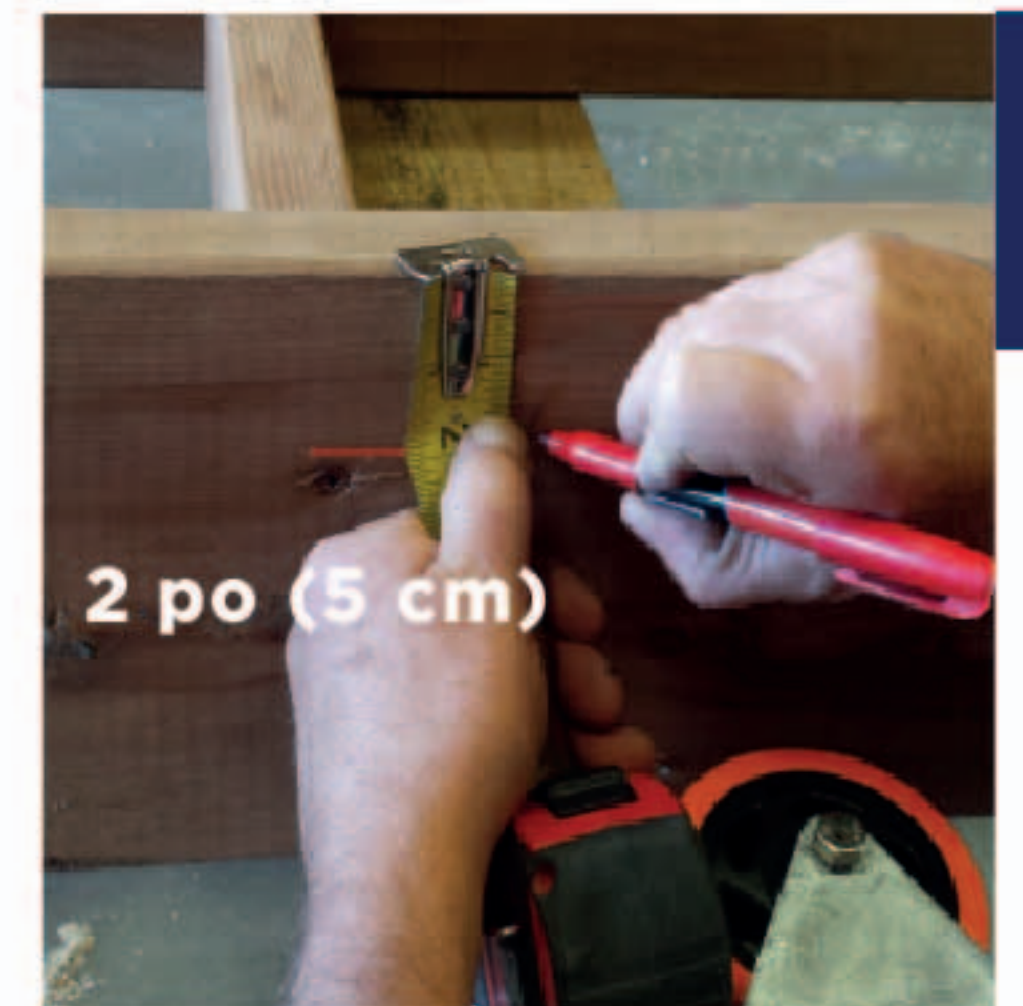
WHEELS INSTALLATION

1

Assemble the Wheels as shown above with the nylon bushing, the stainless steel center axle bolt and the 2 triangular plates.

2

Mark the structure at the distances shown in **Figure C** with lines 2" from the top of the Beams.



2

3

Position the Wheels by aligning their triangular plate bases to your marks and note in pencil the location of the holes to be drilled.



3

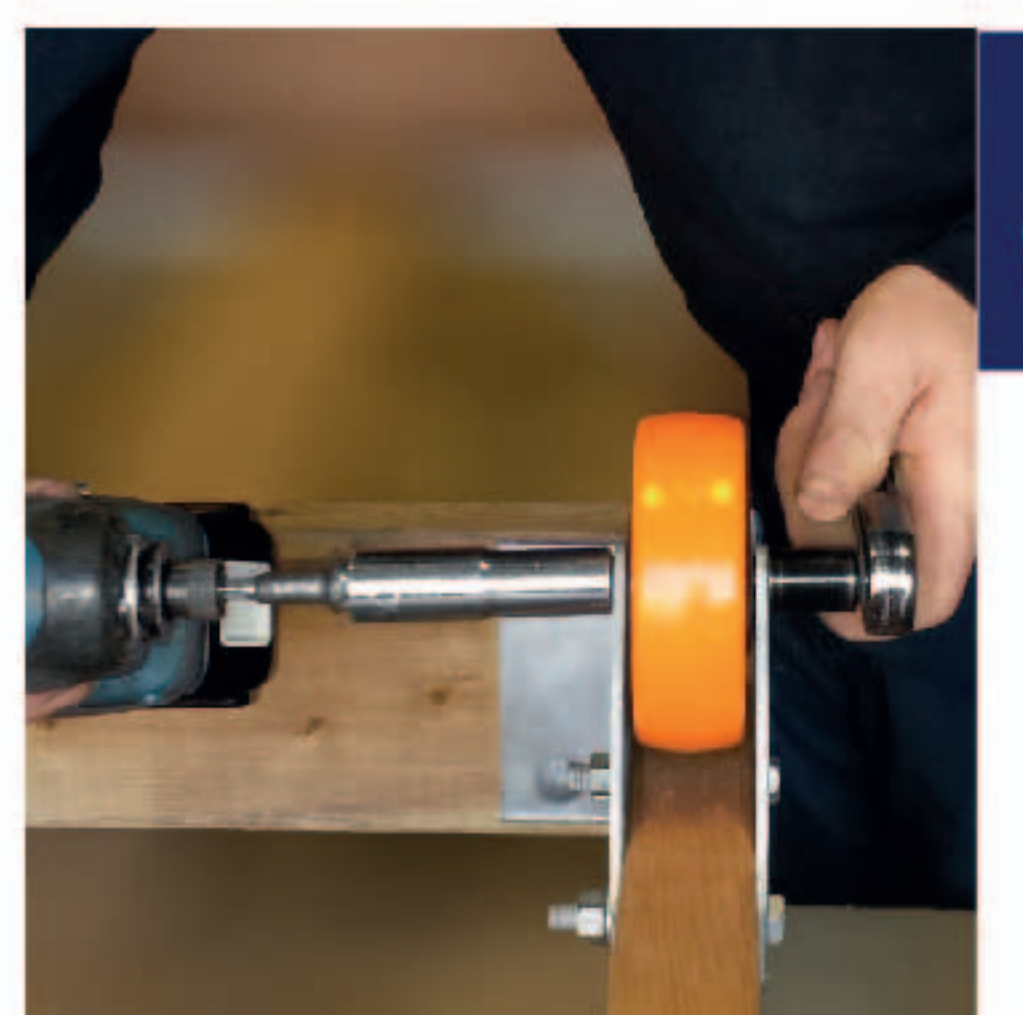
4

Drill the holes straight. Install the Wheels and adjust the assembly.

RAMP INSTALLATION

5

Slide the Posts located "LAKE Side" into the Leg Holders and temporarily stabilize them with one of the hexagonal bolts. Securely fasten the Base Plates within +/- 6" of the ends of these Posts.



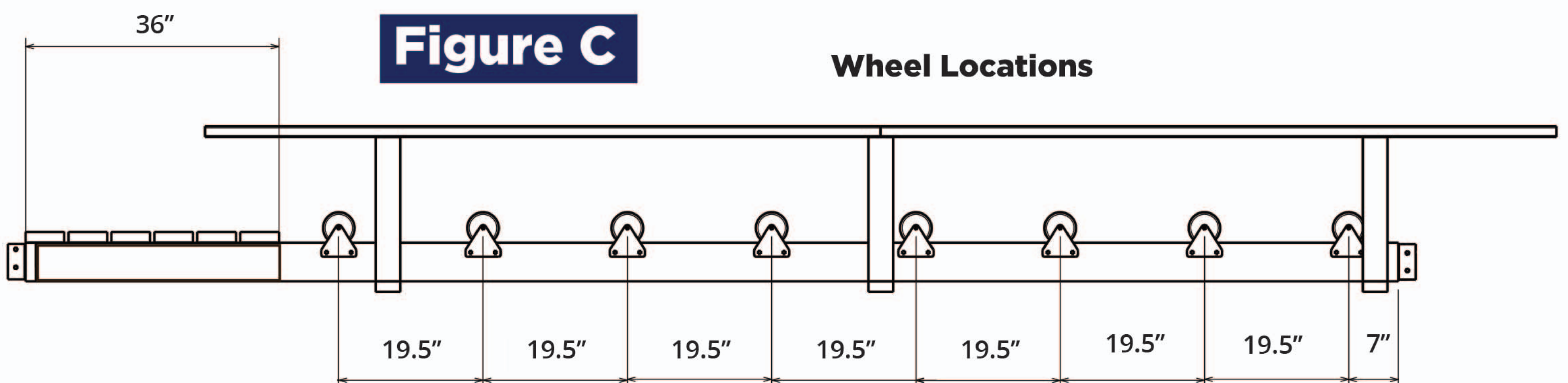
4

6

- > Move the ramp to its final location. Once properly positioned, drive the Posts until the Base Plates are on the ground.
- > Add the other 2 Posts leaving at least 30 in. sticking out. Base Plates at this end are not always required especially if the ramp is resting on the ground.
- > Adjust the height and level of the ramp with the bolts of the 4 Leg Holders.
- > Add the Ergonomic Handles. Adjust their height to fit your needs, then install the Caps.
- > If the ramp floats, drive the Posts deeper into the ground for a better grip. In order to prevent ice damage, it is suggested to take the ramp out of the water during winter.



5



Available accessories for your Kayak Ramp :

Galvanized Steel Posts

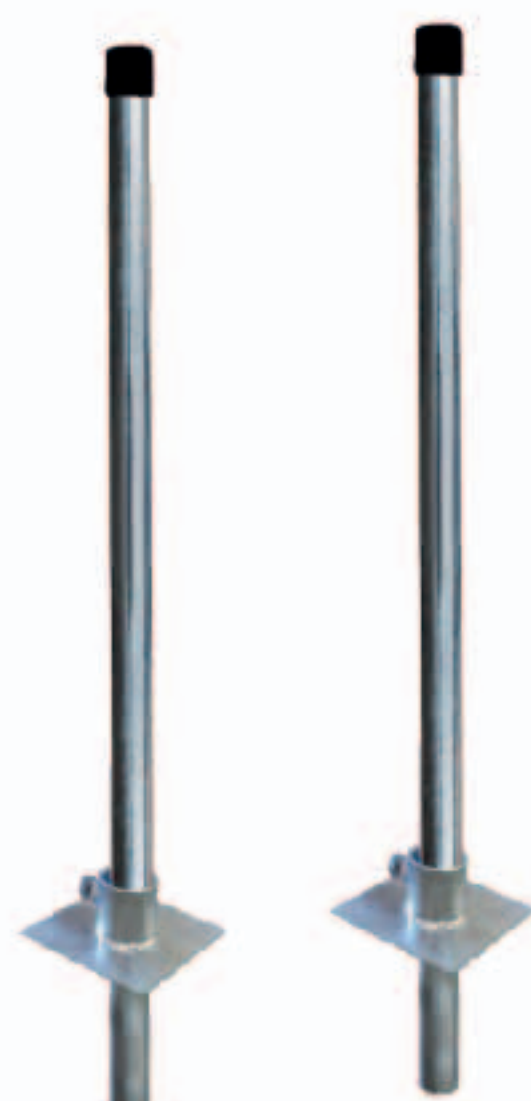
For a higher installation of the ramp, use larger posts to fit your needs. You might also need base plates.

10009 6 ft

11005 8 ft

11010 10.6 ft

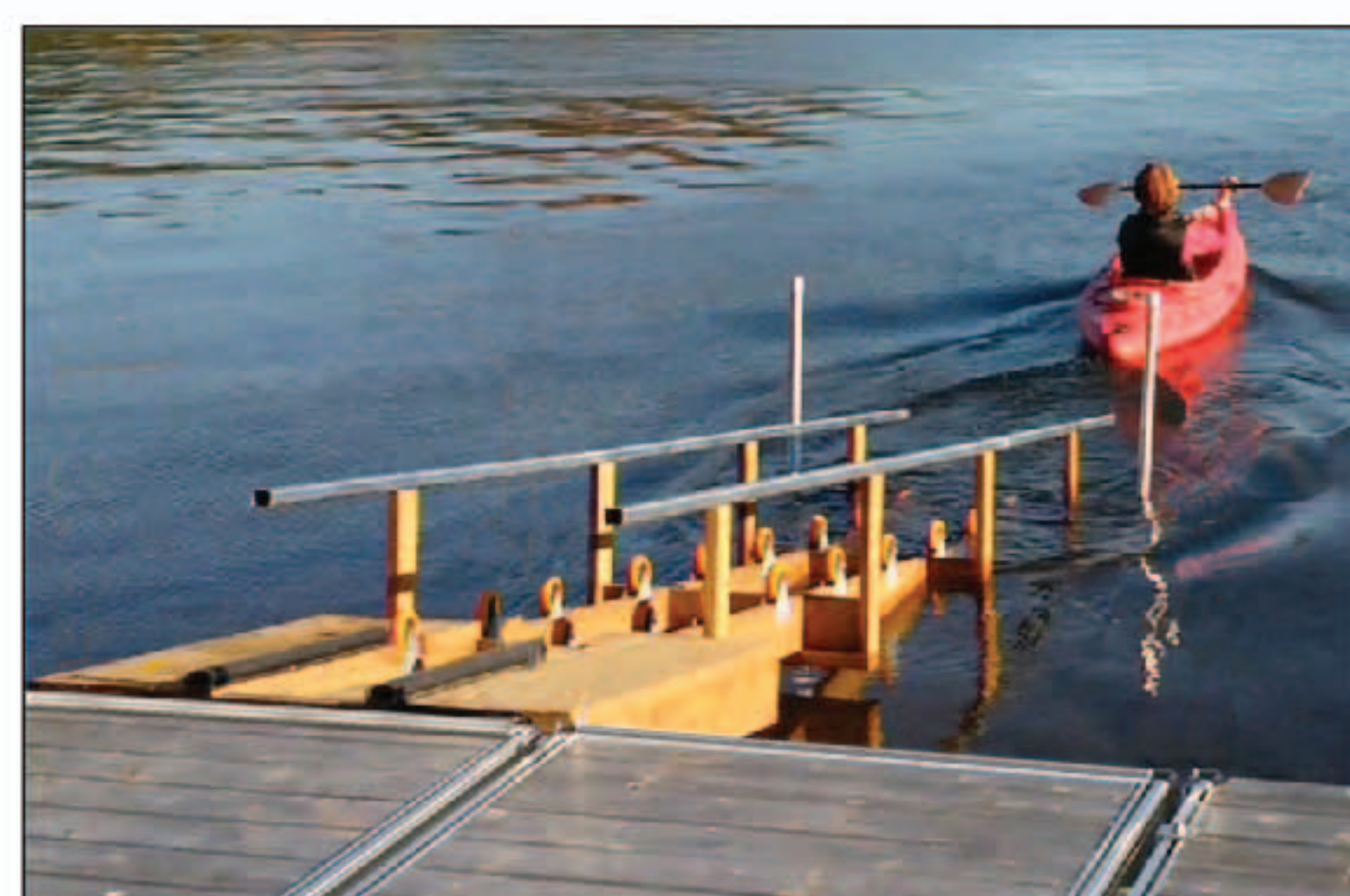
11107 Base plate 6 in. x 6 in.



Dock Hinges

Use these hinges to connect your ramp to a wood dock or most aluminum dock models.

10043 (1 unit)



Wheel kit

Allows easy displacement of the ramp, in or out of the water.

To be able to move the ramp forwards and backwards depending on the water level.

Kit includes :

2 black plastic wheels (24 in.)

2 hubs (10 ½ in.)

22000



Kayak Rack (24 in)

Aluminum and stainless steel.

Mounting brackets are designed to fit over 1 1/2" to 1-11/16" o.d. posts.

Can be installed over the decking for easy storage or outside, to free up space on the dock.

22018



Double Kayak Rack (60 in)

Aluminum and stainless steel.

With mounting brackets that fit any type of Multinautic docks, wooden or aluminum excepts QP-300, QPF-303, QPF-383 and QP-400.

Can be installed over the decking for easy storage or outside, to free up space on the dock.

22019



Paddle Board (SUP) Rack (24 in)

Aluminum and stainless steel.

Mounting brackets are designed to fit over Multinautic 1-11/16" o.d. posts.

Can be installed over the decking or outside, to free up space on the dock.

22027



LIMITED WARRANTY

Multinautic® hereby warrants to the original consumer purchaser only that this product will be free, in normal use, of any defects in materials and workmanship for a period of one (1) year from the consumer's original date of purchase directly from Multinautic® or from a Multinautic® authorized reseller. At its sole option, Multinautic® will repair or replace the defective product and promptly return it to you. In order for this warranty to be valid, the consumer must, at the time the product is returned, provide proof of purchase in the form of the original purchase receipt directly from Multinautic® or from a Multinautic®-authorized reseller. If Multinautic® elects to replace the defective product, then Multinautic® reserves the right to replace the defective product with another product of the same model or a model of at least comparable quality and features in Multinautic®'s sole determination. A reimbursement cannot exceed the amount paid by customer and is limited to the replacement of the defective product.

If you believe this product is defective within the warranty period, call Multinautic® for a Return Authorisation Number (RAN), carefully repack the unit, insure it and return it with proof of purchase, postage prepaid, to Multinautic® at 2330, Jean-Adam, St-Sauveur, QC, Canada, J0R 1R2. Write the RAN on the shipping label. Any product sent without RAN will be refused and returned freight collect to sender.

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