Port Side™

Aluminum
4' x 10' Frame Kit

Assembly Instructions

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ALUMINUM FRAME KIT CONTENTS – PS 1505

(6) L Brackets
(FC 2292)

(3) Joist Splice
(FC 2298)

(6) Long Joist Rail
(FC 2284)

(2) Joist Cross Rail
(FC 2285)

(4) Corner
(FC 2290)

(2) Frame Plate
(FC 2296)

(2) Frame Splice
(FC 2297)

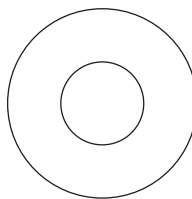(4) Long Frame Rail
(FC 2280)

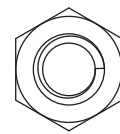(2) End Frame Rail
(FC 2281)

2
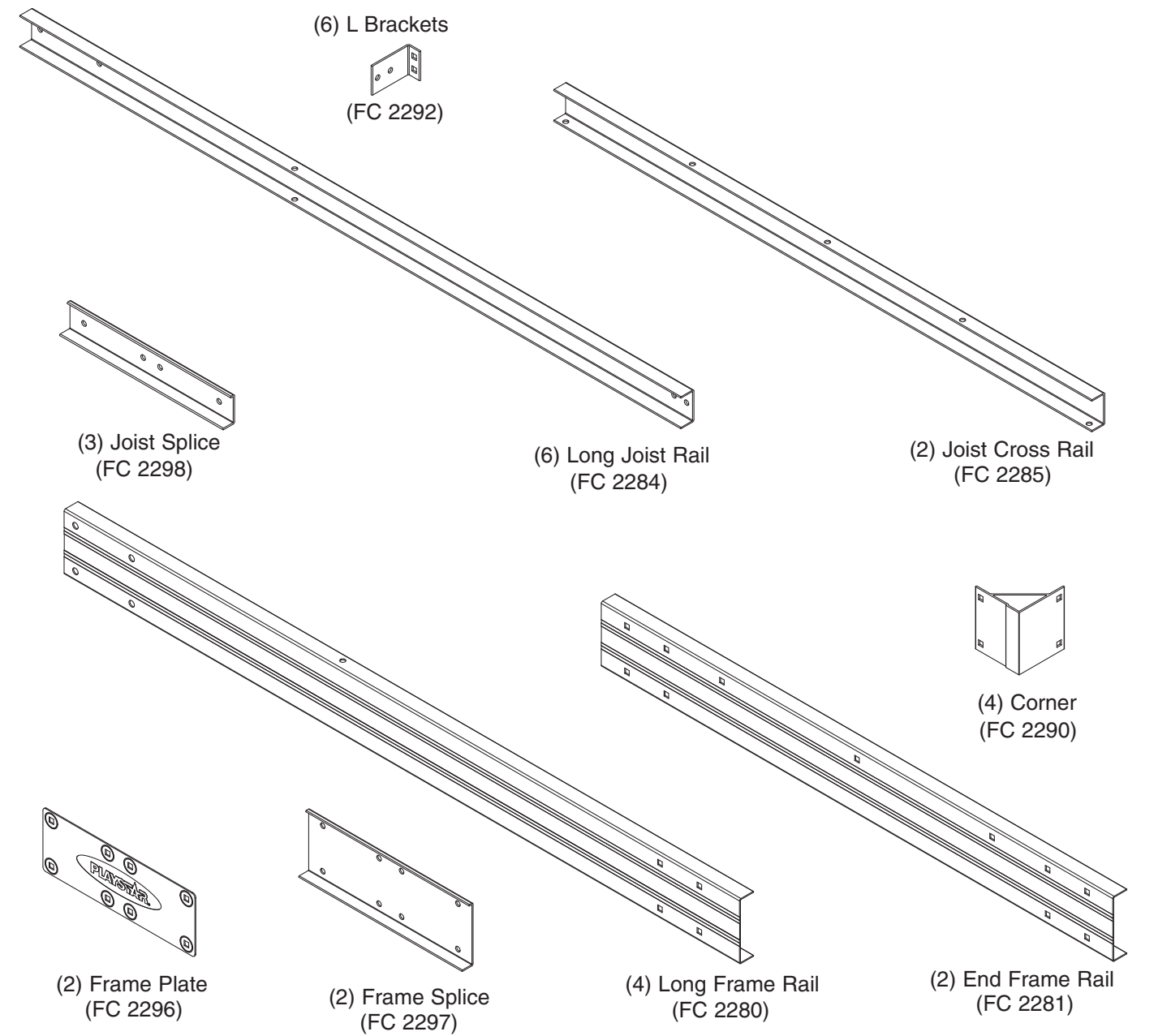
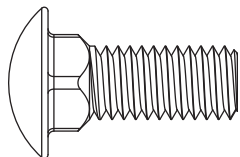# ALUMINUM FRAME KIT HARDWARE CONTENTS
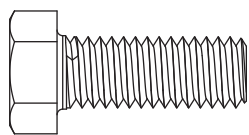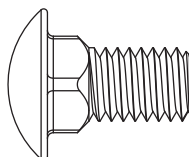
(34) ⅜" x 1" hex bolts
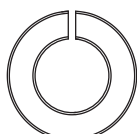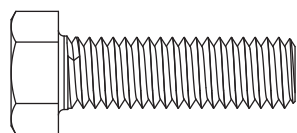
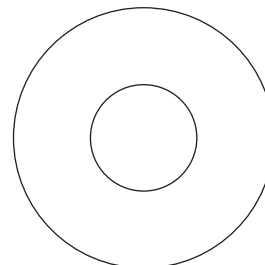(104) ⅜" split lock washers

(150) ⅜" washers

(116) ⅜" nuts

(54) ⅜" x 1" carriage bolts

(4) ⅜" x ¾" carriage bolts

(12) ⅜" x 1¼" hex bolts

(8) ½" washers

BILL OF MATERIALS (PURCHASE SEPARATELY)

Stationary

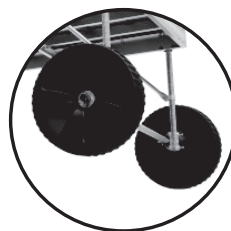**Support Components:**
(2) Foot Plates PS 1023
(1) Pipe Safety Caps PS 1193
(4) Connector Clips PS 1021
(2) CG Pipe Sleeves PS 1080
(2) Dock Pipes (1⅝" or 1⅞")
   (If using 1⅞" pipe,
   (4) Back Plates PS 1017
   are required.)

Dock Top:
*(1) Resin Dock Top PS 1320

Roll-In

Support Components:
(1) Roll-In Axle Kit PS 1198
(2) Wheels PS 1334
(1) Pipe Safety Caps PS 1193
(4) Connector Clips PS 1021
(2) CG Pipe Sleeves PS 1080
(3) Dock Pipes (1⅝" or 1⅞")
   (If using 1⅞" pipe,
   (4) Back Plates PS 1017
   are required.)

Dock Top:
*(1) Resin Dock Top PS 1320

Floating

Support Components:
(3) Dock Floats PS 1155
(1) CG Pipe Sleeve PS 1080
(1) Auger PS 1100
(1) Pipe Safety Caps PS 1193
(2) Hinge Kits PS 1070
(1) Dock Pipe (1⅝" or 1⅞")

Dock Top:
*(1) Resin Dock Top PS 1320

*NOTE: *(11) ⅝" x 6" x 8' Decking can be Substituted for Resin Dock Top (see page 20)*

PlayStar does not recommend using two different types of support methods.
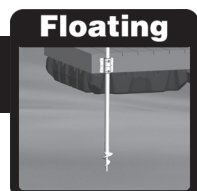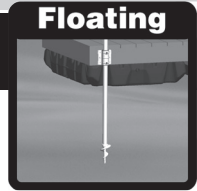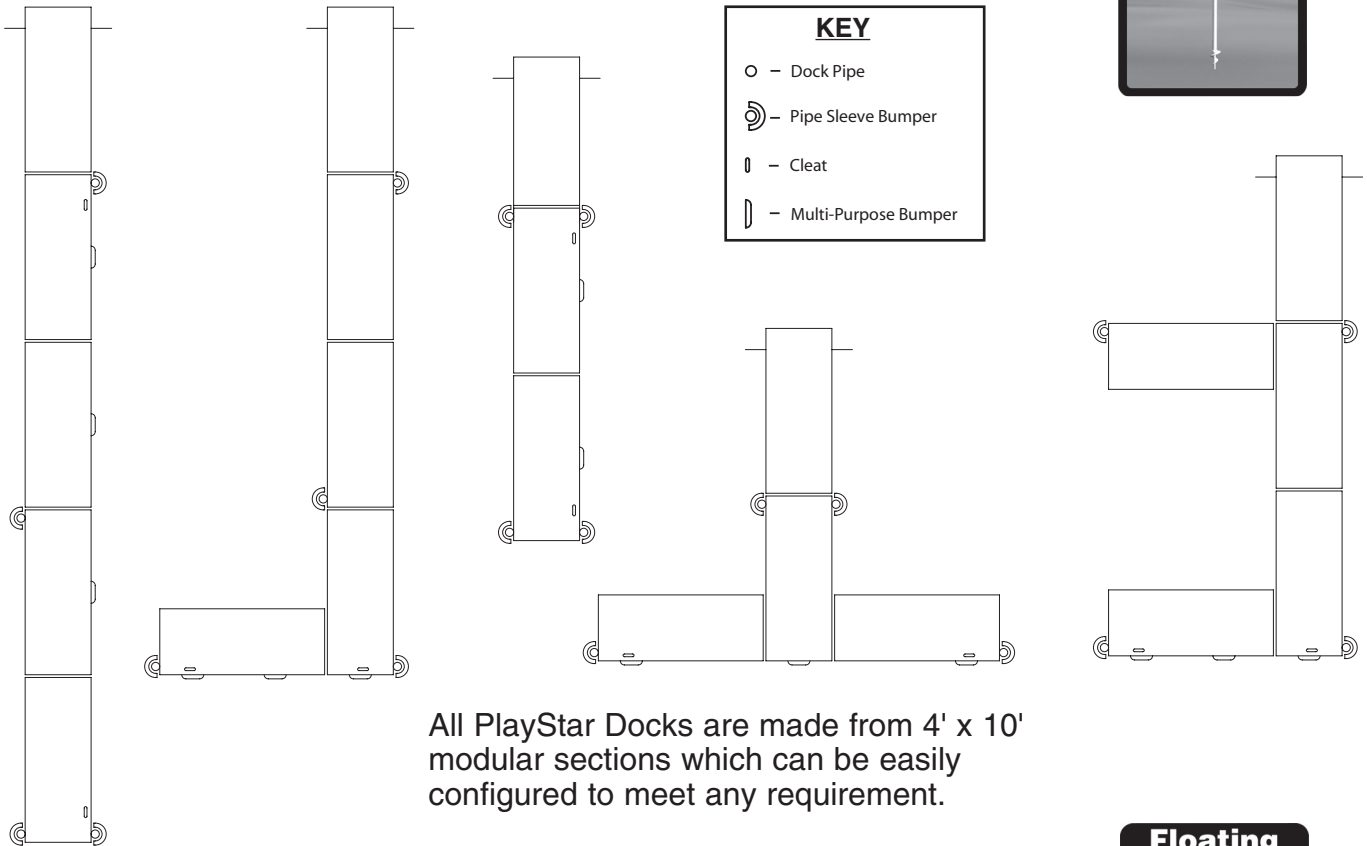
TOOLS REQUIRED

Safety Glasses	Carpenter's Square	Drill
Measuring Tape	⅜" and 9⁄16" Socket and Wrench	⅛", ¼" and ⅜" Drill Bits
Pencil	⅜" and 9⁄16" Combination Wrench	#2 Phillips Screwdriver

READ ALL INSTRUCTIONS THOROUGHLY BEFORE YOU BEGIN CONSTRUCTION.

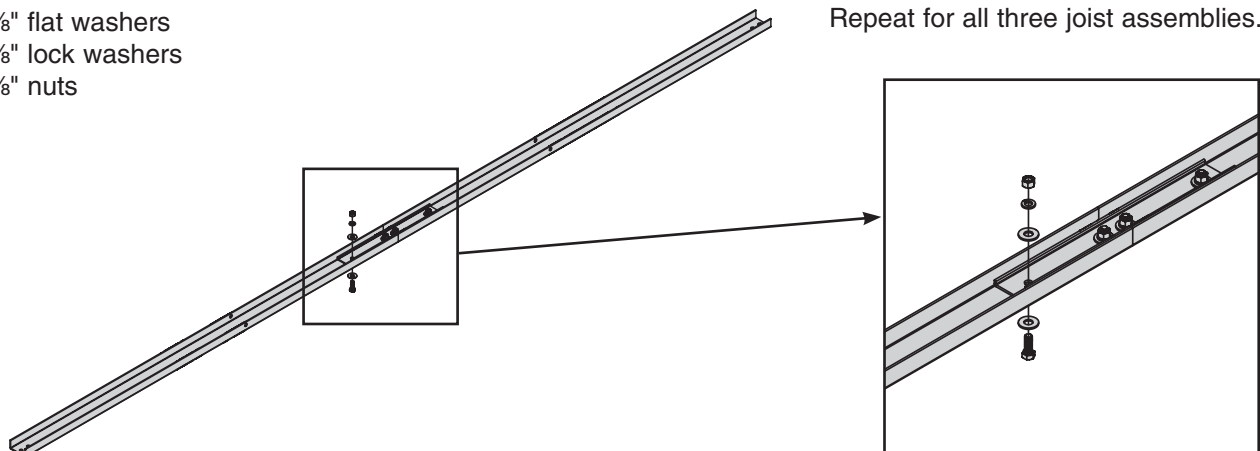# FLOATING DOCK PROJECT STARTS HERE.

DOCK LAYOUT EXAMPLES

Floating

KEY

O – Dock Pipe

⊚ – Pipe Sleeve Bumper

▯ – Cleat

▯ – Multi-Purpose Bumper

All PlayStar Docks are made from 4' x 10' modular sections which can be easily configured to meet any requirement.

FRAME ASSEMBLY

Floating

Items for STEP 1:

- (6) Long Joist Rails
- (3) Joist Splices
- (12) ⅜" x 1" hex bolts
- (24) ⅜" flat washers
- (12) ⅜" lock washers
- (12) ⅜" nuts

On a flat surface, position two long joist rails and one joist splice as shown. Secure with ⅜" x 1" hex bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.

Repeat for all three joist assemblies.

Items for **STEP 2:**

  (6)   L Brackets
(12)   ⅜" x 1" hex bolts
(24)   ⅜" flat washers
(12)   ⅜" lock washers
(12)   ⅜" nuts

Position two L brackets at both ends of the joist assembly as shown. Secure with ⅜" x 1" hex bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.

Repeat for all three joist assemblies.

Items for **STEP 3:**

  (4)   Long Frame Rails
  (2)   Frame Splices
  (2)   Frame Plate
  (4)   ⅜" x ¾" carriage bolts

(12)   ⅜" x 1" carriage bolts
(16)   ⅜" flat washers
(16)   ⅜" lock washers
(16)   ⅜" nuts

On a flat surface, position two long frame rails, one frame splice and one frame plate as shown. Secure with <u>two</u> ⅜" x ¾" carriage bolts, <u>six</u> ⅜" x 1" carriage bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.

Repeat for both 10' frame assemblies.

Note: If you purchased the PS 1352 Multi-Purpose Bumper and wish to install it at the center of the 10' side (see accessories pages 22 and 23), replace the frame plate with the bumper at this time.
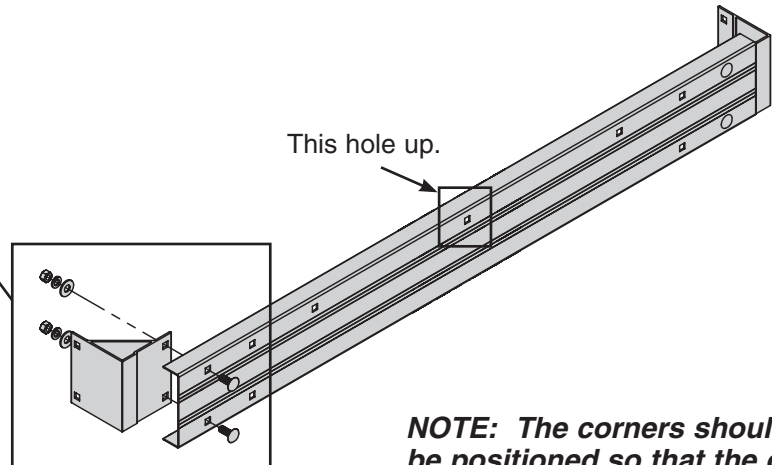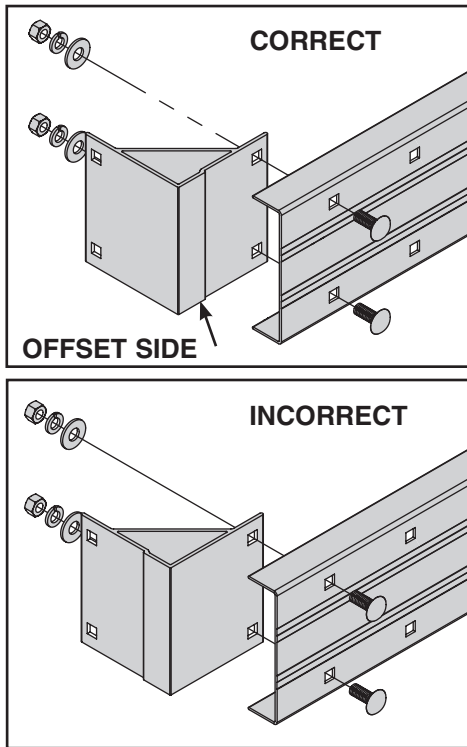

¾"
carriage
bolt here

¾"
carriage bolt here

Items for **STEP 4:**

(2) End Frame Rails
(4) Corners
(8) ⅜" x 1" carriage bolts
(8) ⅜" flat washers
(8) ⅜" lock washers
(8) ⅜" nuts

Position two corners and one end frame rail as shown.

Secure corners (and any hinges and pipe sleeves) with ⅜" x 1" carriage bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.

Repeat for both 4' frame assemblies.

Refer to page 4 for layout of hinges and pipe sleeves, which need to be installed on the 4' side at this time. See pages 7 & 8 for installation instructions.

CORRECT

OFFSET SIDE

INCORRECT

This hole up.

NOTE: The corners should be positioned so that the off-set sides are tight against the ends of the end frame rail.

Helpful Hint: The carriage bolts are designed to fit tightly into the square holes. Properly align them when tightening in Step 7.
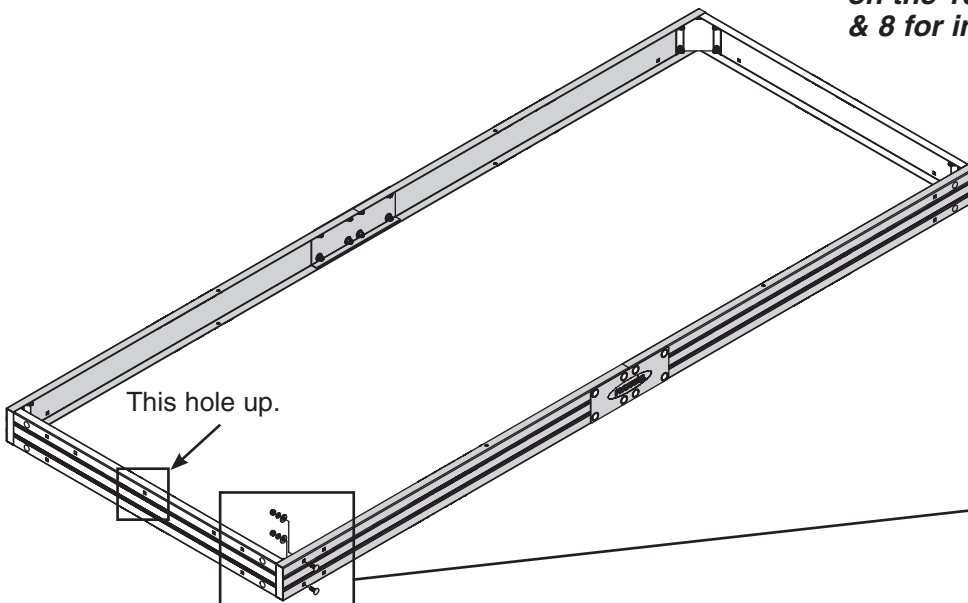
Items for **STEP 5:**

(2) 4' End Frame Assemblies
(2) 10' Frame Assemblies
(8) ⅜" x 1" carriage bolts
(8) ⅜" flat washers
(8) ⅜" lock washers
(8) ⅜" nuts

On a flat surface, position two 4' end frame assemblies and two 10' frame assemblies as shown.

Secure with ⅜" x 1" carriage bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.

Finger tighten only.

Refer to page 4 for layout of hinges and pipe sleeves, which need to be installed on the 10' side at this time. See pages 7 & 8 for installation instructions.

Helpful Hint: The carriage bolts are designed to fit tightly into the square holes. Properly align them when tightening in Step 7.
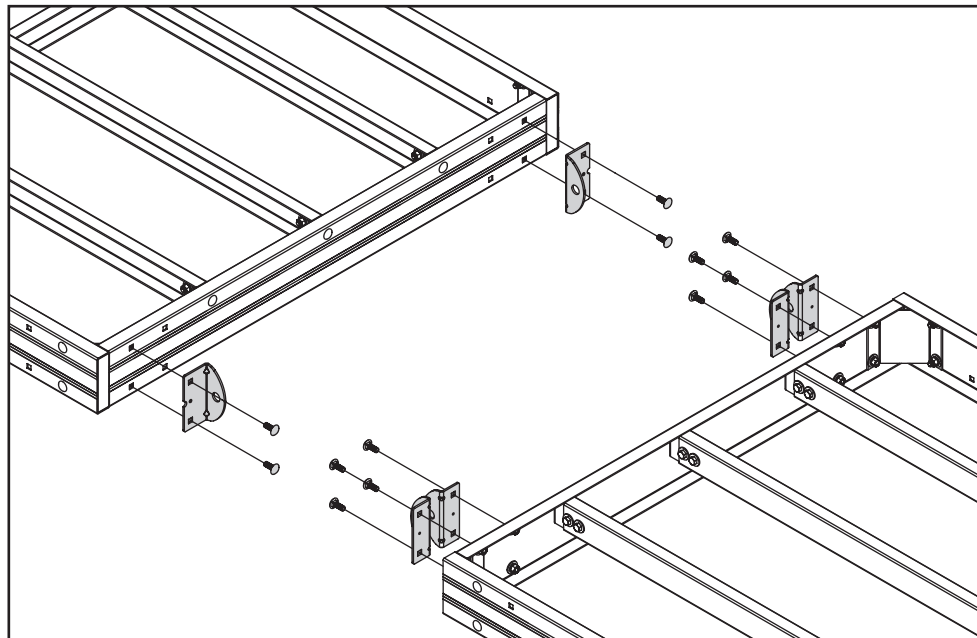

This hole up.

6
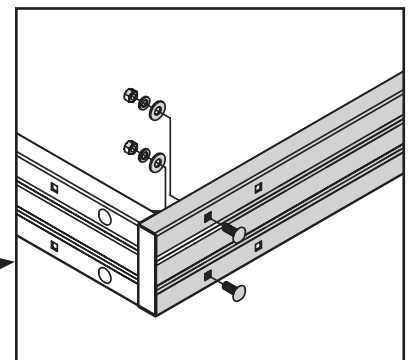
ATTACHING HINGES
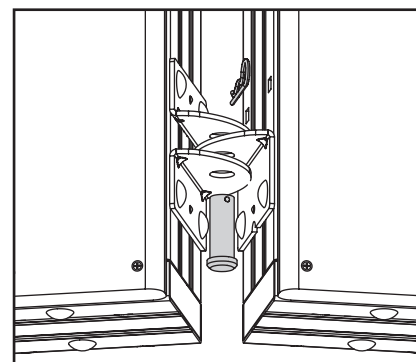
STRAIGHT CONNECTION

Refer to your specific project for locations.

Attach the hinges to the frame as you assemble the corner hardware.

Position the long hinge (with notch) in each corner of one 4' side of the dock section as shown.

Position short hinges (no notch) pointing down in each corner of one 4' side of the next dock section to be attached.

Connect sections with pin and clip.

NOTE:
The short hinge (no notch) half should be attached to the end of the dock section furthest from shore.
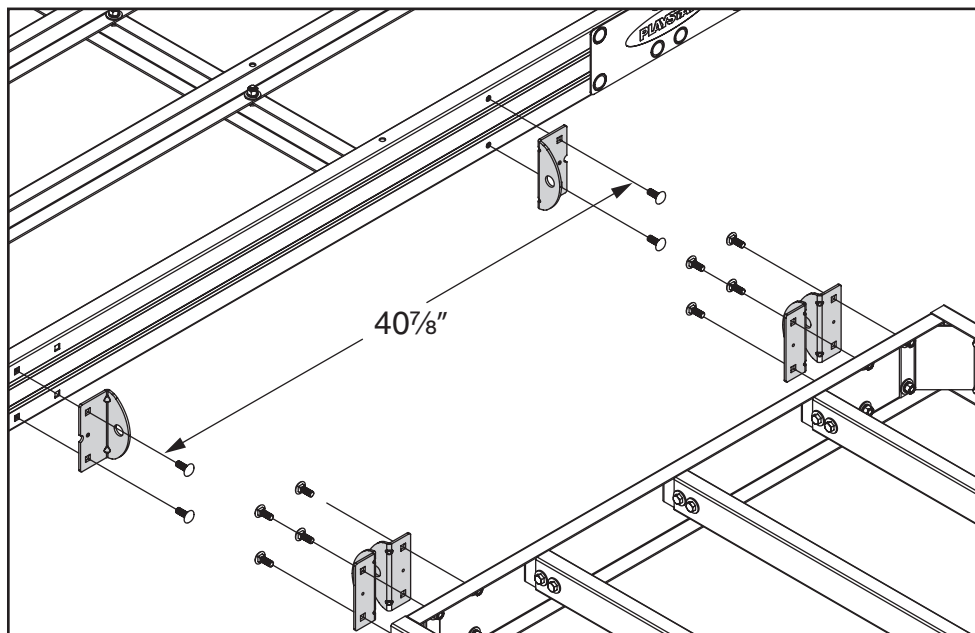

90˚ CONNECTION

Refer to your specific project for locations.

Attach the hinges to the frame as you assemble the corner hardware.

Position a long hinge (with notch) in corner of one 10' side of the dock section as shown.
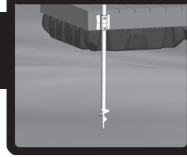
Position long hinge (with notch) so that the center distance between the outside mounting holes is 40⅞" as shown.

Use the long hinge (with notch) as a drill guide and mark the two hole locations. Drill ⅛" holes through the side of the aluminum frame at the marked locations. Use the ⅛" holes as a drill guide and drill ⅜" holes.

40⅞"

7

ATTACHING PIPE SLEEVES

COMMERCIAL GRADE PIPE SLEEVE PS 1080 (Floating Only)
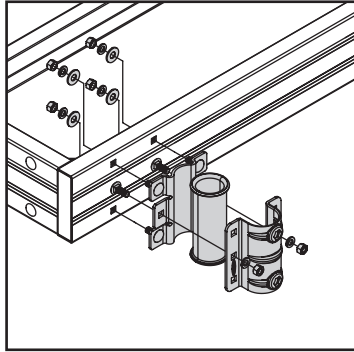
Attach the pipe sleeve to the frame as you assemble the corner hardware as shown. Secure with ⅜" x 1" carriage bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.
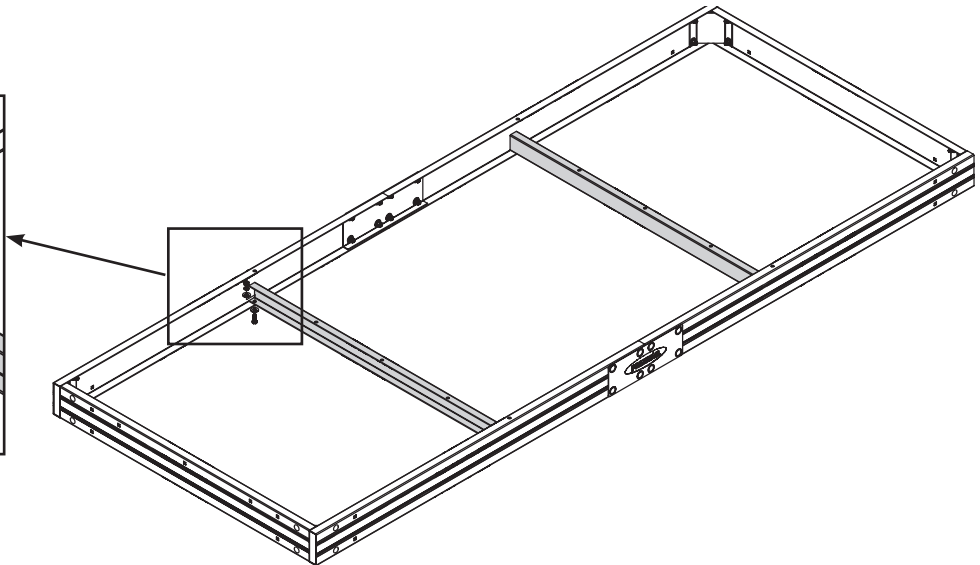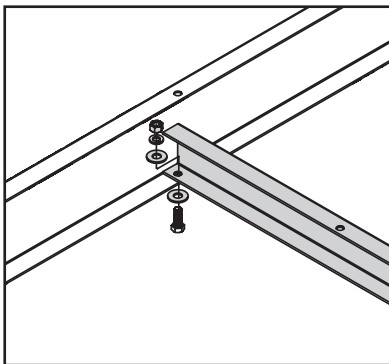
Refer to your specific project for locations.

Items for STEP 6:

- (2) Joist Cross Rails
- (4) ⅜" x 1" hex bolts
- (8) ⅜" flat washers
- (4) ⅜" lock washers
- (4) ⅜" nuts

On a flat surface, position two joist cross rails inside the 4' x 10' frame as shown. Secure with ⅜" x 1" hex bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.

Finger tighten only.

Items for <u>STEP 7</u>:

- (3) Joist Assemblies
- (6) ⅜" x 1" carriage bolts
- (6) ⅜" x 1" hex bolts
- (18) ⅜" flat washers
- (12) ⅜" lock washers
- (12) ⅜" nuts

On a flat surface, position three joist assemblies inside the 4' x 10' frame as shown. Secure with ⅜" x 1" carriage bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts where the L brackets meet the end frame rails. (Figure 1)

<u>Finger tighten only.</u>

Secure with ⅜" x 1" hex bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts where the long joist rails intersect with the joist cross rails. (Figure 2)
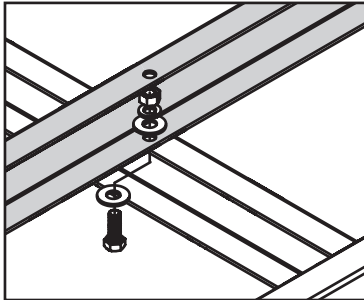
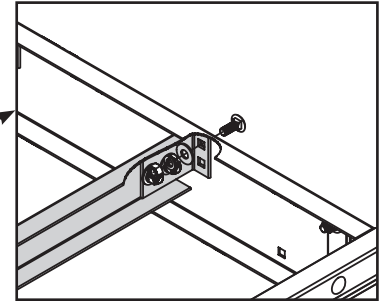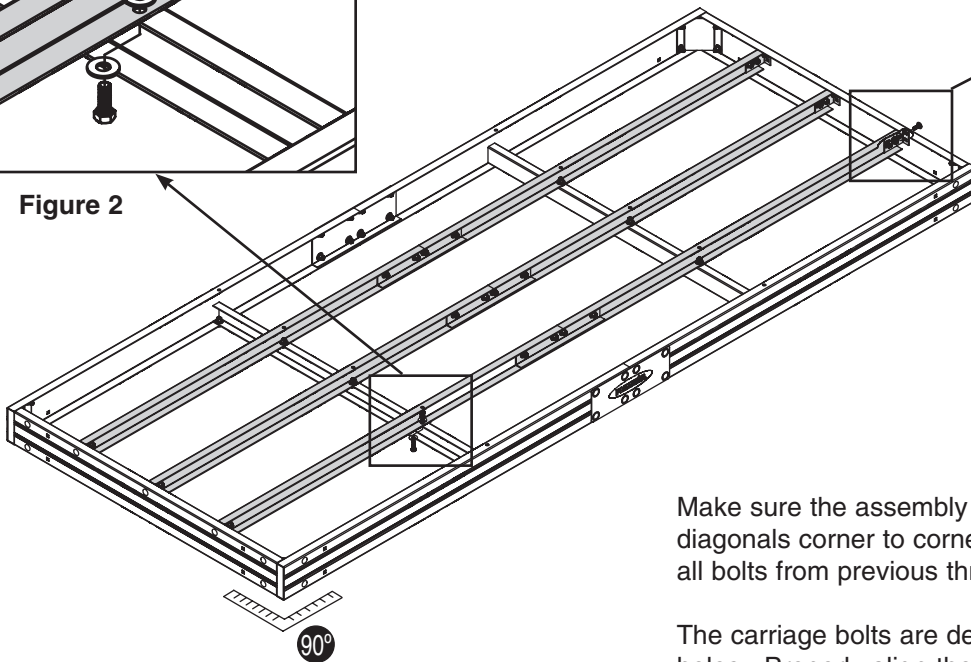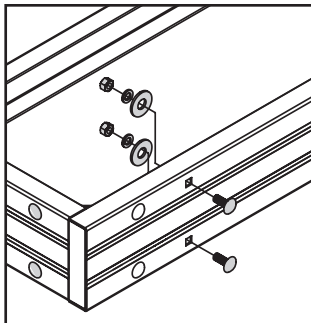**<u>Finger tighten only.</u>**

Figure 2

Figure 1

Make sure the assembly remains square by measuring both diagonals corner to corner. Once the dock is square, tighten all bolts from previous three steps.

The carriage bolts are designed to fit tightly into the square holes. Properly align them when tightening.

90°

Items for <u>STEP 8</u>:

- (8) ⅜" x 1" carriage bolts
- (8) ½" flat washers
- (8) ⅜" lock washers
- (8) ⅜" nuts

Install ⅜" x 1" carriage bolts, ½" flat washers, ⅜" lock washers and ⅜" nuts into any exposed holes as shown and tighten securely.

Note: If you purchased an accessory that needs to be bolted into the side of the dock (see accessories pages 22 and 23), you can use these exposed holes for your accessories in place of drilling new holes.

Helpful Hint: After assembly, the Aluminum Frame can be easily cleaned with a mild solution of soap and water or Non-Abrasive aluminum cleaner.

STOP

If you are installing a Resin Dock Top (PS 1320), you must install at this time. Go to page 21.
Turn to page 20 if you are attaching a Wood Top.
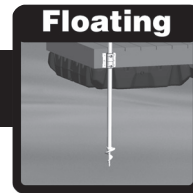
ATTACHING FLOATS

Items for this STEP:

Turn the dock over onto a flat surface and mark the 6 float hole locations at dimensions shown.
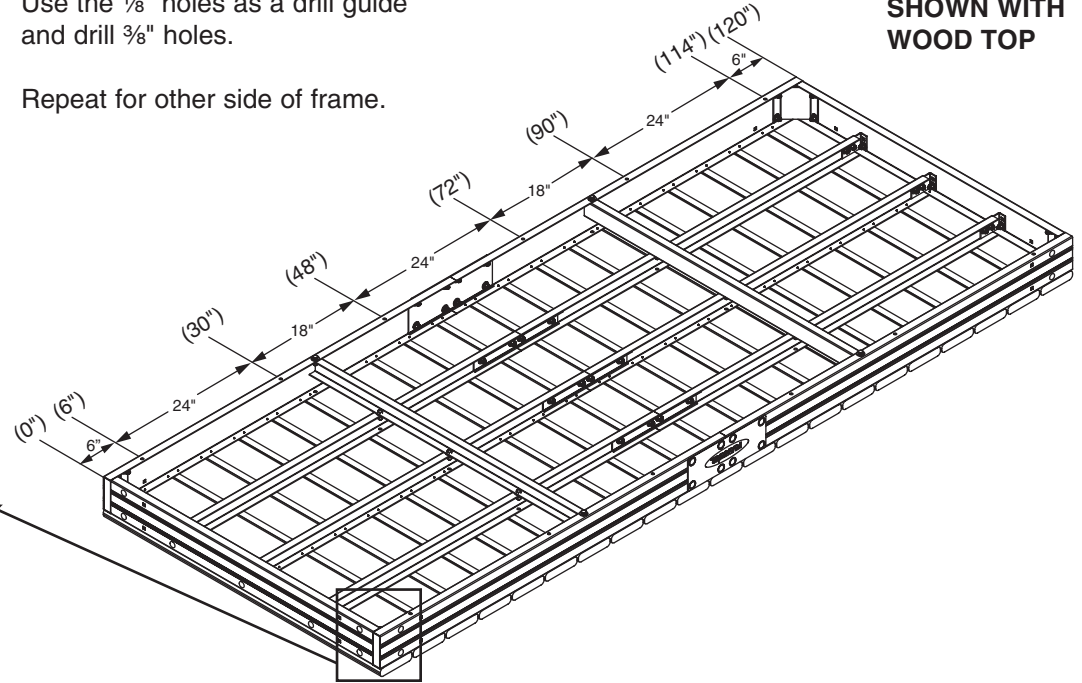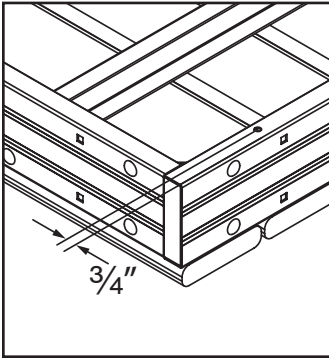
Drill ⅛" holes through the bottom lip of the aluminum frame at the marked locations.

Use the ⅛" holes as a drill guide and drill ⅜" holes.
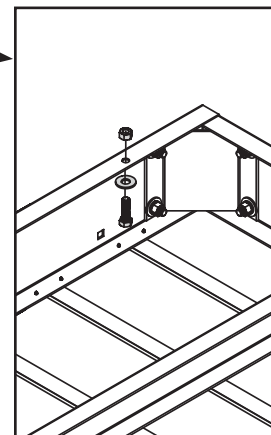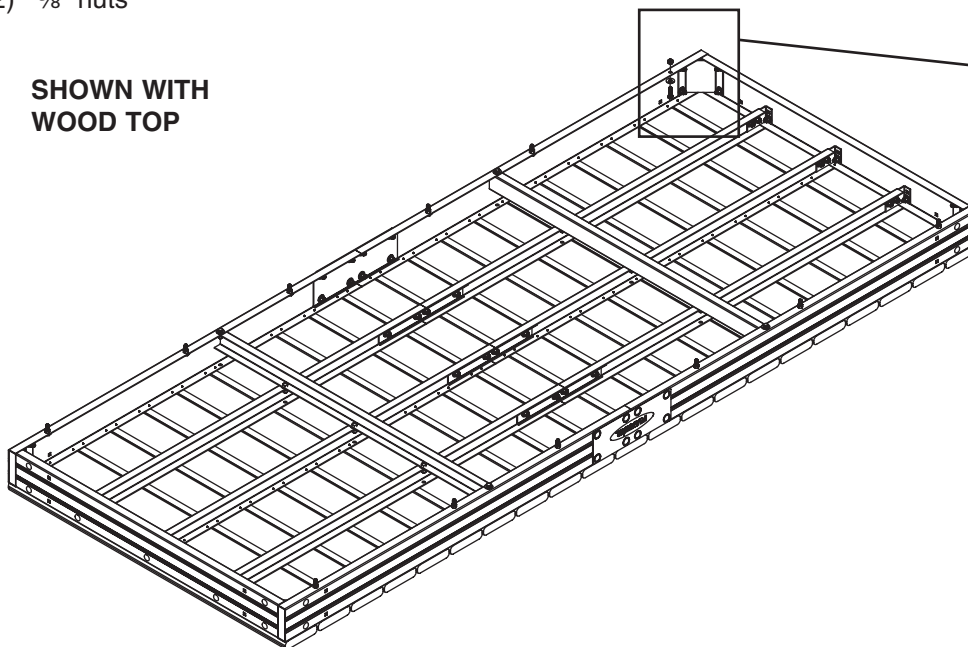
Repeat for other side of frame.

SHOWN WITH WOOD TOP

(114") (120")
(90")
(72")
(48")
(30")
(0") (6")

6"
24"
18"
24"
18"
24"
6"

¾"

Items for this STEP:

- (12) ⅜" x 1¼" hex bolts
- (12) ⅜" flat washers
- (12) ⅜" nuts

SHOWN WITH WOOD TOP

Install ⅜" x 1¼" hex bolts, ⅜" flat washers and ⅜" nuts at the twelve locations as shown.

*Note: Tighten securely as these nuts will not be accessible in later steps.*

Items for this <u>STEP:</u>

  (3) Floats (PS 1155)
(12) ⅜" flat washers
(12) ⅜" lock washers
(12) ⅜" nuts

Position floats as shown. Float holes will fit over bolts installed in previous step.

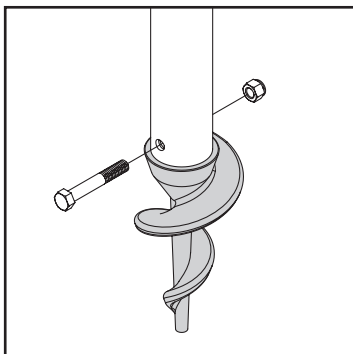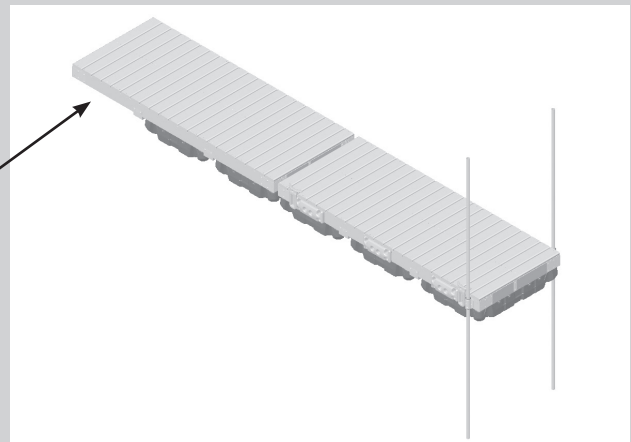Secure with ⅜" flat washers, ⅜" lock washers and ⅜" lock nuts as shown.

NOTE: PlayStar's floats are intended to provide the maximum stability by mounting them with a 4 ft. orientation under the width of the dock.
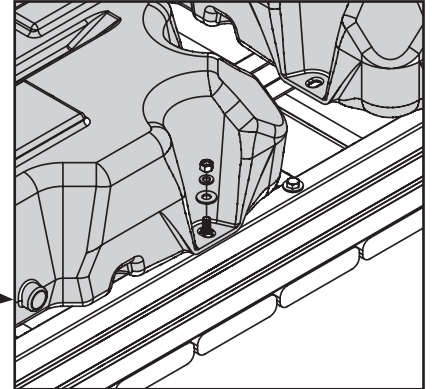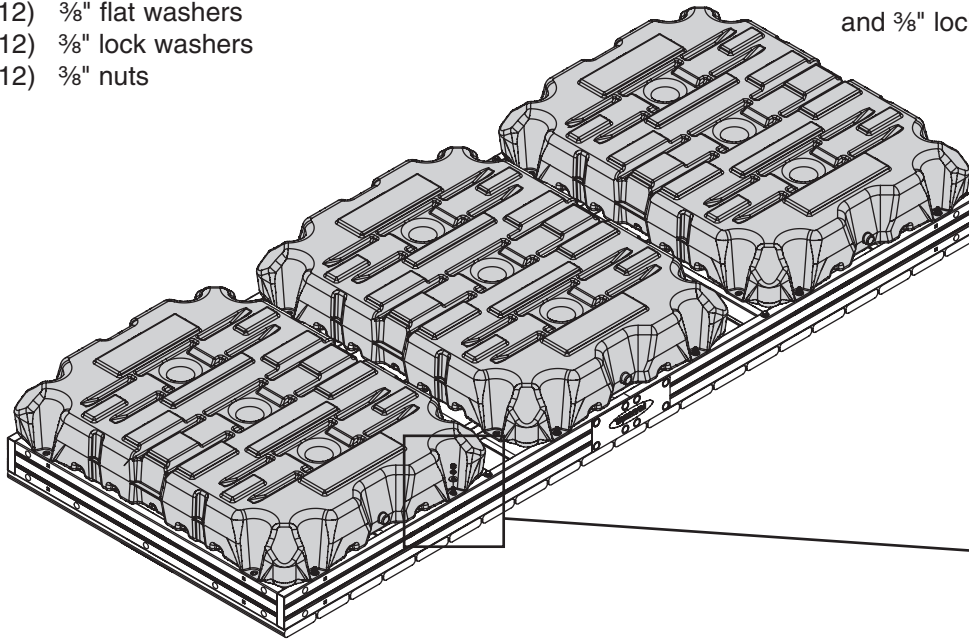
<u>Do not</u> attach a float to the gangplank section closest to shore as shown.

The end without the float must rest firmly on land.

Refer to your specific project for locations.

COMMERCIAL GRADE AUGER
PS 1100 (Floating Only)

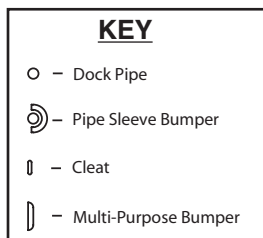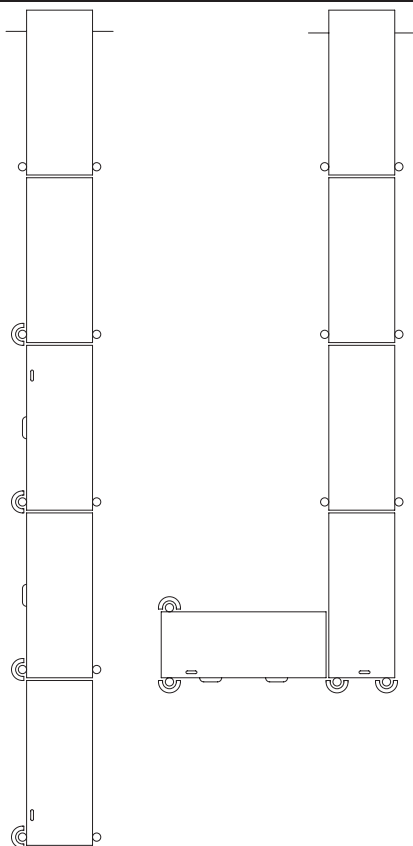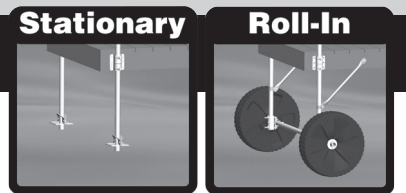Drill one ⅜" hole in pipe ¹¹⁄₁₆" up from the end. Insert Auger into the pipe, align holes and finish drilling opposite side. Secure with the nut and bolt provided.

NOTE: It is recommended you sink the poles with auger a minimum of two feet into a firm bottom.


Refer to your specific project for locations.

11

READ ALL INSTRUCTIONS THOROUGHLY BEFORE YOU BEGIN CONSTRUCTION.

STATIONARY and ROLL-IN PROJECT STARTS HERE.

DOCK LAYOUT EXAMPLES

Stationary

Roll-In

KEY

○ – Dock Pipe

 – Pipe Sleeve Bumper

 – Cleat

 – Multi-Purpose Bumper

All PlayStar Docks are made from 4' x 10' modular sections which can be easily configured to meet any requirement.

Stationary

Roll-In
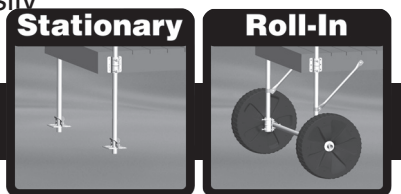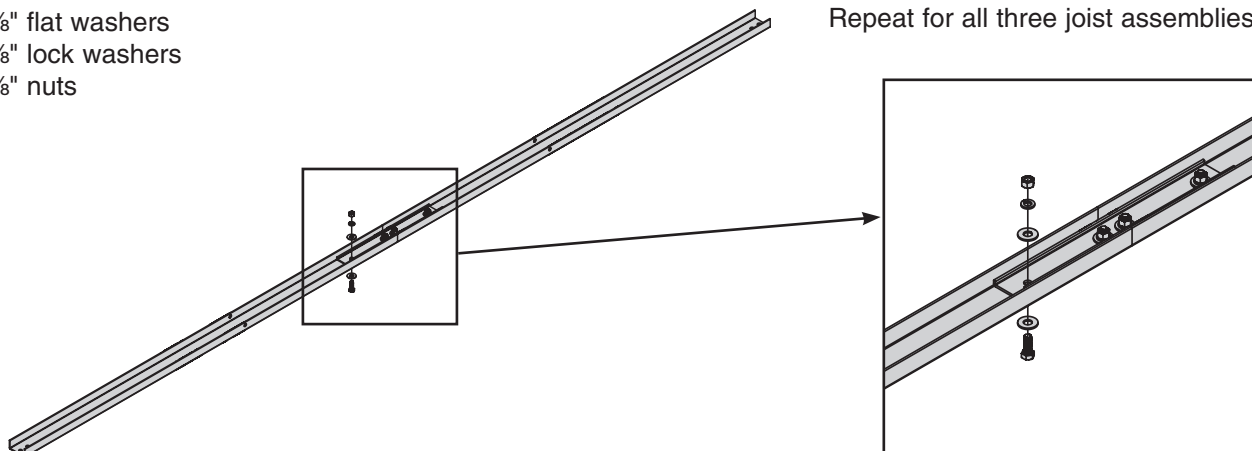
FRAME ASSEMBLY

Items for STEP 1:

- (6) Long Joist Rails
- (3) Joist Splices
- (12) ⅜" x 1" hex bolts
- (24) ⅜" flat washers
- (12) ⅜" lock washers
- (12) ⅜" nuts

On a flat surface, position two long joist rails and one joist splice as shown. Secure with ⅜" x 1" hex bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.

Repeat for all three joist assemblies.

Items for STEP 2:

  (6) L Brackets
 (12) ⅜" x 1" hex bolts
 (24) ⅜" flat washers
 (12) ⅜" lock washers
 (12) ⅜" nuts

Position two L brackets at both ends of the joist assembly as shown. Secure with ⅜" x 1" hex bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.

Repeat for all three joist assemblies.

Items for STEP 3:

  (4) Long Frame Rails
  (2) Frame Splices
  (2) Frame Plate
  (4) ⅜" x ¾" carriage bolts

 (12) ⅜" x 1" carriage bolts
 (16) ⅜" flat washers
 (16) ⅜" lock washers
 (16) ⅜" nuts

On a flat surface, position two long frame rails, one frame splice and one frame plate as shown. Secure with two ⅜" x ¾" carriage bolts, six ⅜" x 1" carriage bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.

Repeat for both 10' frame assemblies.

Note: If you purchased the PS 1352 Multi-Purpose Bumper and wish to install it at the center of the 10' side (see accessories pages 22 and 23), replace the frame plate with the bumper at this time.
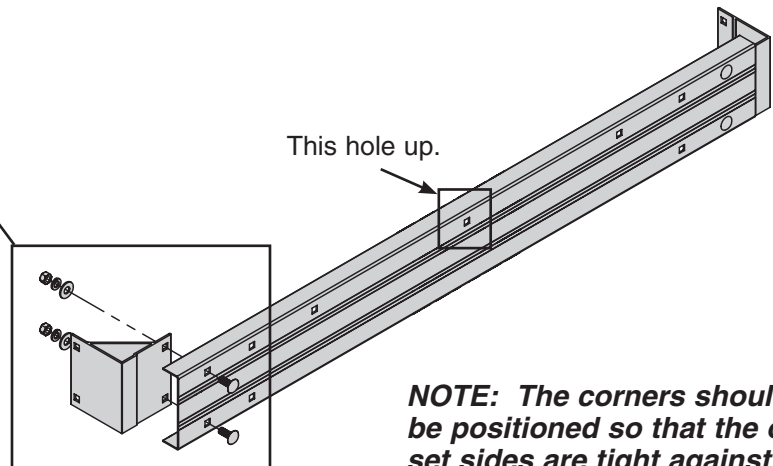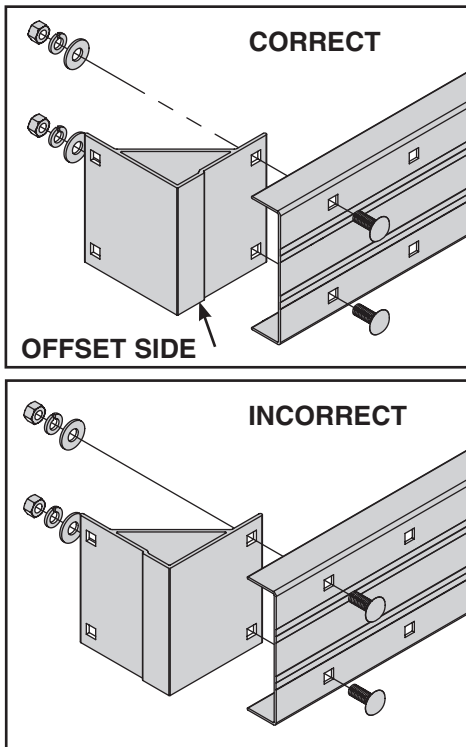

¾"
carriage
bolt here

¾"
carriage bolt here

Items for **STEP 4:**

- (2) End Frame Rails
- (4) Corners
- (8) ⅜" x 1" carriage bolts
- (8) ⅜" flat washers
- (8) ⅜" lock washers
- (8) ⅜" nuts

Position two corners and one end frame rail as shown.

Secure corners (and any pipe sleeve and clips) with ⅜" x 1" carriage bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.

Repeat for both 4' frame assemblies.

Refer to page 12 for layout of pipe sleeves and clips, which need to be installed on the 4' side at this time. See pages 15 & 16 for installation instructions.

CORRECT

OFFSET SIDE

INCORRECT

This hole up.

NOTE: The corners should be positioned so that the off-set sides are tight against the ends of the end frame rail.

Helpful Hint: The carriage bolts are designed to fit tightly into the square holes. Properly align them when tightening in Step 7.
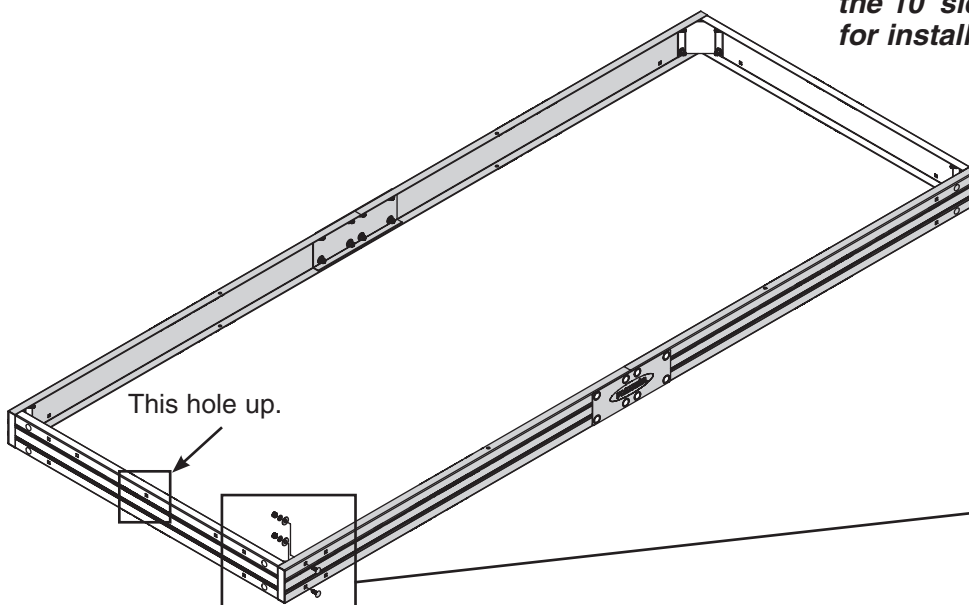

Items for **STEP 5:**

- (2) 4' End Frame Assemblies
- (2) 10' Frame Assemblies
- (8) ⅜" x 1" carriage bolts
- (8) ⅜" flat washers
- (8) ⅜" lock washers
- (8) ⅜" nuts

On a flat surface, position two 4' end frame assemblies and two 10' frame assemblies as shown.

Secure corners (and any pipe sleeves and clips) with ⅜" x 1" carriage bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.
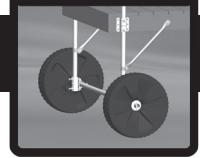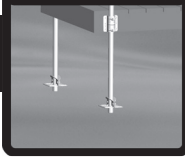
Finger tighten only.

Refer to page 12 for layout of pipe sleeves and clips, which need to be installed on the 10' side at this time. See pages 15 & 16 for installation instructions.

Helpful Hint: The carriage bolts are designed to fit tightly into the square holes. Properly align them when tightening in Step 7.

This hole up.

14
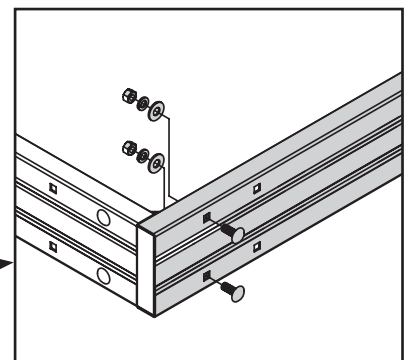
ATTACHING PIPE SLEEVES

Only use the Pipe Sleeve outer strap from PS 1080. Attach the pipe sleeves to the frame as you assemble the corner hardware as shown. Secure with ⅜" x 1" carriage bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts. (Figure 1)

Note: If using 1⅞" pipe, install (2) Back Plates PS 1017 behind each Pipe Sleeve in order to provide clearance necessary to adjust pipe inside sleeve. (Figure 2)
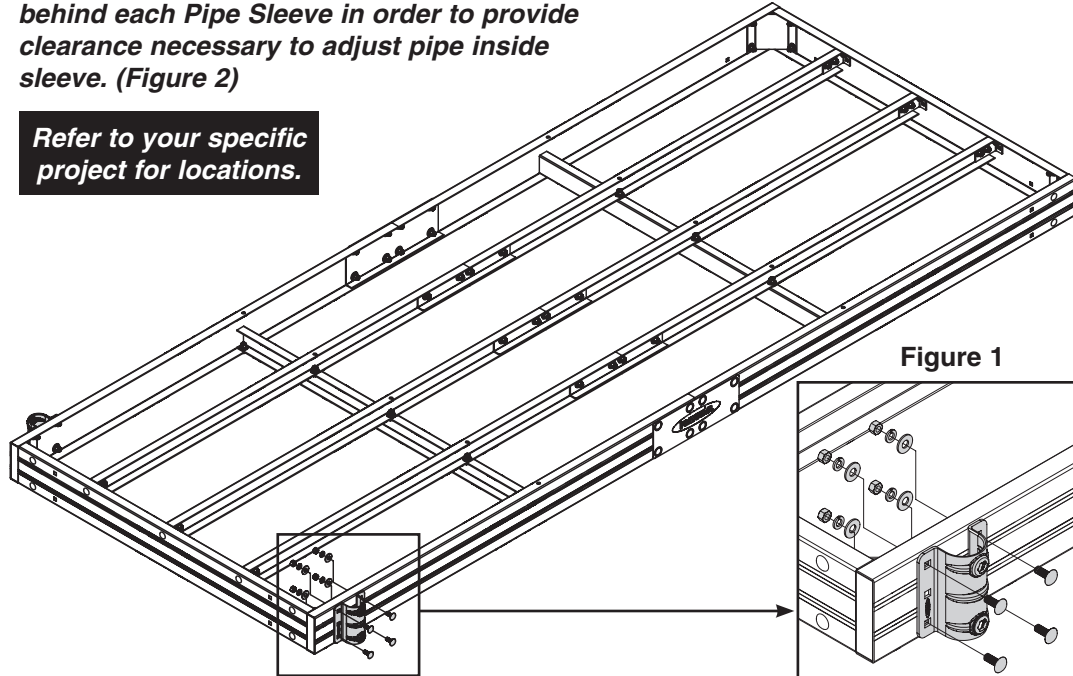
Refer to your specific project for locations.

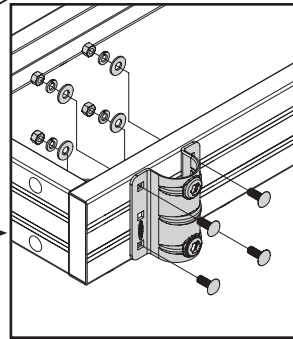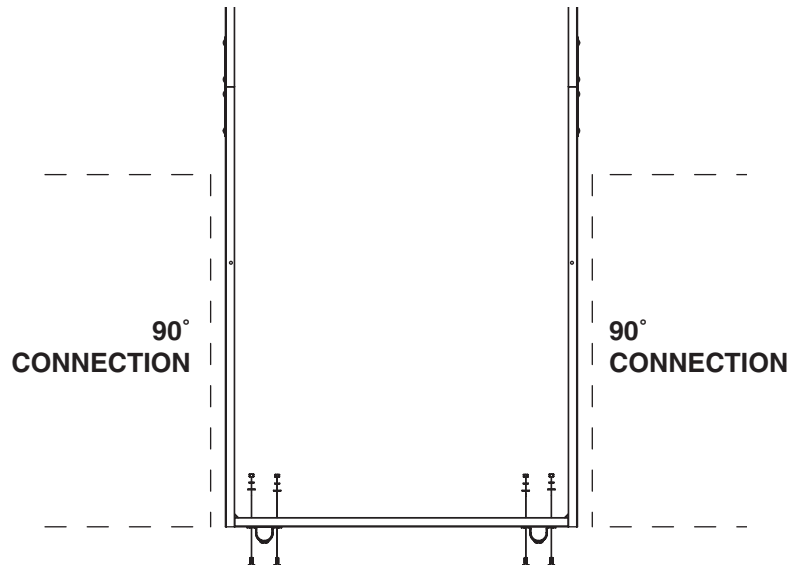**Figure 1**

Figure 2

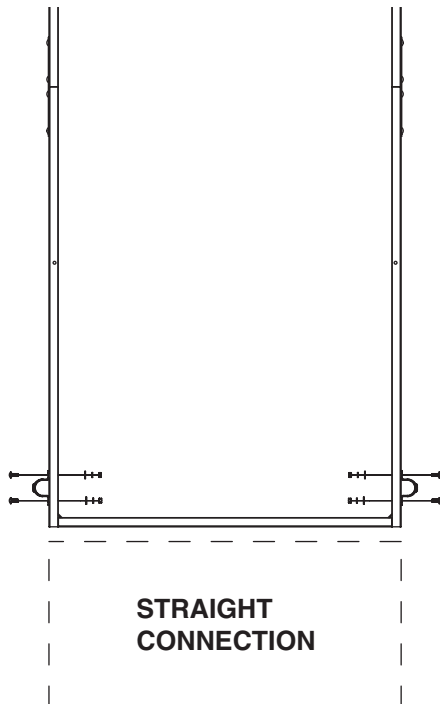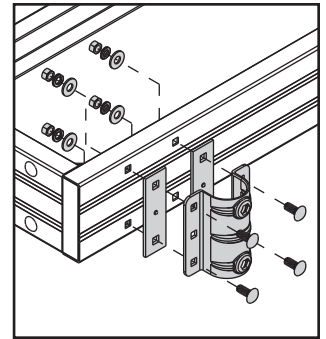**STRAIGHT CONNECTION**
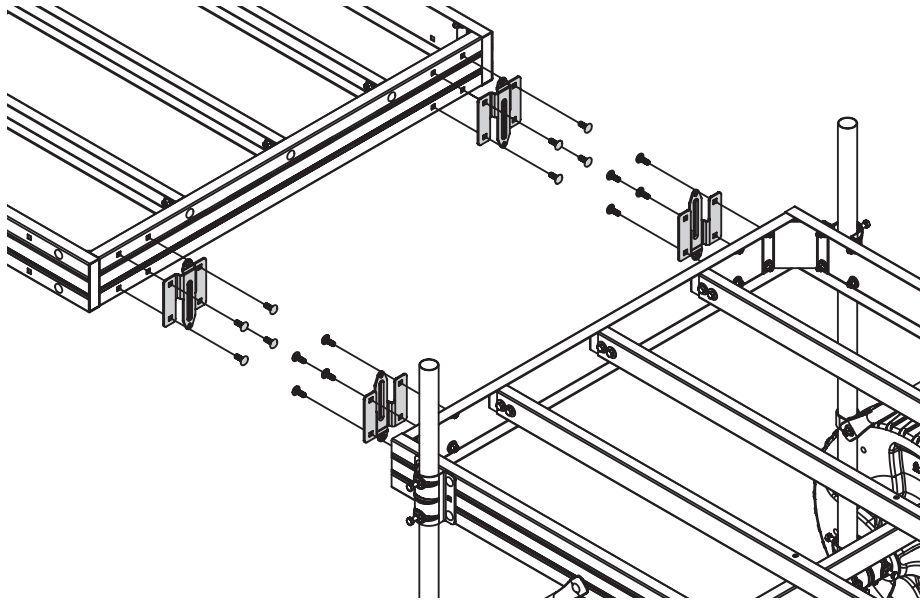
90˚ CONNECTION

90˚ CONNECTION

NOTE:
The pipe sleeves should be attached to the 10' side of the dock for a straight connection.
The pipe sleeves should be attached to the 4' side of the dock for a 90˚ connection.

15

ATTACHING CLIPS

STRAIGHT CONNECTION

Refer to your specific project for locations.

Attach the clips to the frame as you assemble the corner hardware.

Position a clip with center tab pointing up in each corner of one 4' side of the dock section as shown.

Position clips with center tab pointing down in each corner of one 4' side of the next dock section to be attached.

SHOWN WITH ROLL-IN OPTION

NOTE:
The end of the dock section with posts will always have the clips with center tab pointing up.
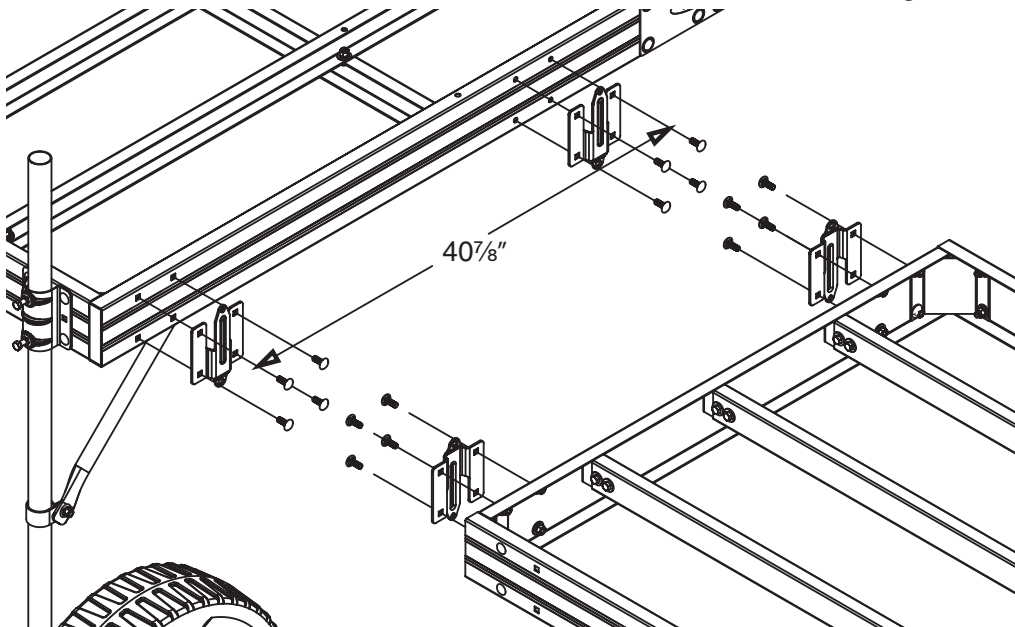
90° CONNECTION

Refer to your specific project for locations.

Attach the clips to the frame as you assemble the corner hardware.

Position a clip with center tab pointing up in corner of one 10' side of the dock section as shown.

Position second clip with center tab pointing up so that the center distance between the outside mounting holes is 40⅞" as shown.

Use the clip as a drill guide and mark the four hole locations. Drill ⅛" holes through the side of the aluminum frame at the marked locations. Use the ⅛" holes as a drill guide and drill ⅜" holes.

Position clips with center tab pointing down in each corner of one 4' side of the next dock section to be attached.

40⅞"

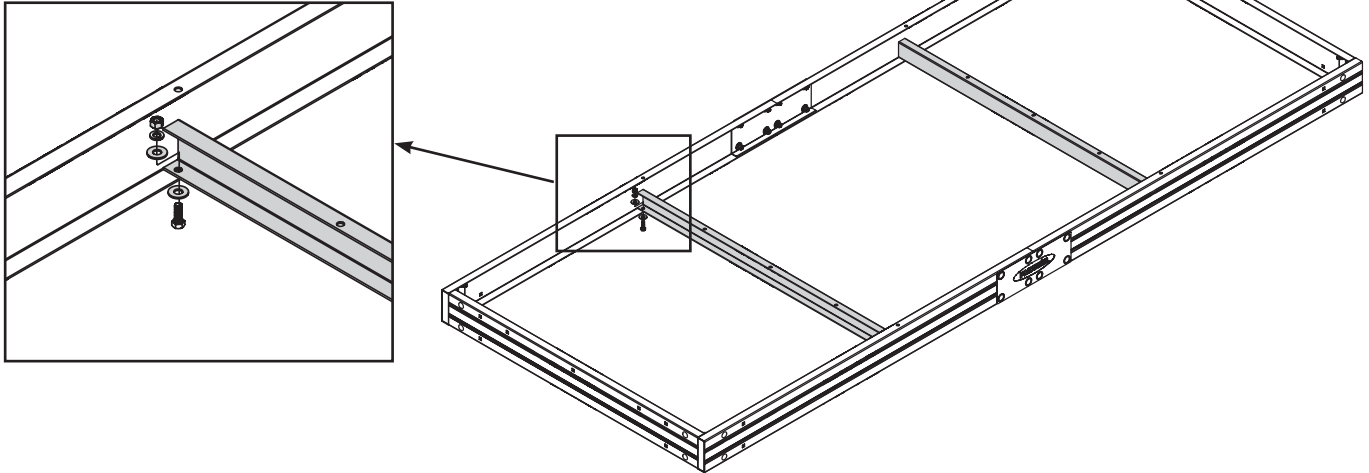**SHOWN WITH ROLL-IN OPTION**

Items for **STEP 6:**

- (2) Joist Cross Rails
- (4) ⅜" x 1" hex bolts
- (8) ⅜" flat washers
- (4) ⅜" lock washers
- (4) ⅜" nuts

On a flat surface, position two joist cross rails inside the 4' x 10' frame as shown. Secure with ⅜" x 1" hex bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.

Finger tighten only.

Items for **STEP 7:**

- (3) Joist Assemblies
- (6) ⅜" x 1" carriage bolts
- (6) ⅜" x 1" hex bolts
- (18) ⅜" flat washers
- (12) ⅜" lock washers
- (12) ⅜" nuts

On a flat surface, position three joist assemblies inside the 4' x 10' frame as shown. Secure with ⅜" x 1" carriage bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts where the L brackets meet the end frame rails. (Figure 1)

Finger tighten only.

Secure with ⅜" x 1" hex bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts where the long joist rails intersect with the joist cross rails. (Figure 2)
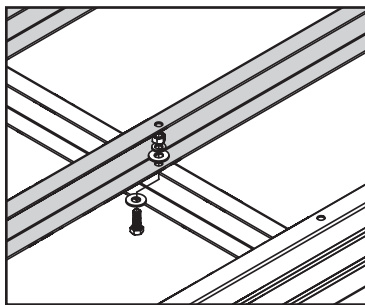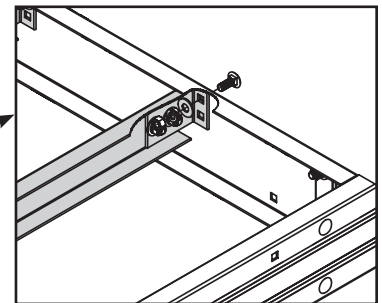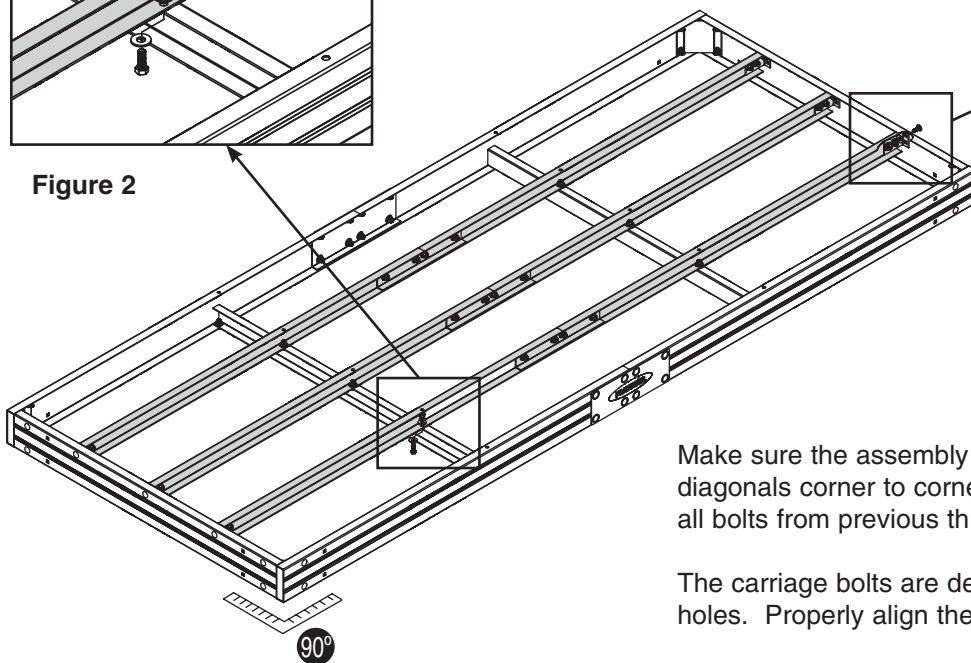
Finger tighten only.
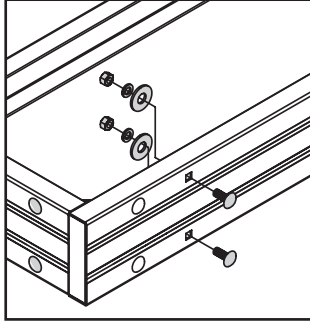
Figure 2

Figure 1

Make sure the assembly remains square by measuring both diagonals corner to corner. Once the dock is square, tighten all bolts from previous three steps.

The carriage bolts are designed to fit tightly into the square holes. Properly align them when tightening.

Items for STEP 8:

(8) ⅜" x 1" carriage bolts
(8) ½" flat washers
(8) ⅜" lock washers
(8) ⅜" nuts

Install ⅜" x 1" carriage bolts, ½" flat washers, ⅜" lock washers and ⅜" nuts into any exposed holes as shown and tighten securely.

Note: If you purchased an accessory that needs to be bolted into the side of the dock (see accessories pages 22 and 23), you can use these exposed holes for your accessories in place of drilling new holes.
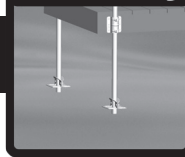
Helpful Hint: After assembly, the Aluminum Frame can be easily cleaned with a mild solution of soap and water or Non-Abrasive aluminum cleaner.

STOP

HOW TO ADJUST DOCK HEIGHT
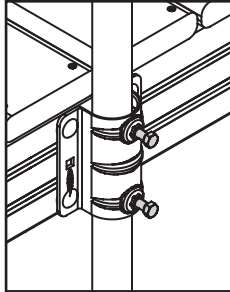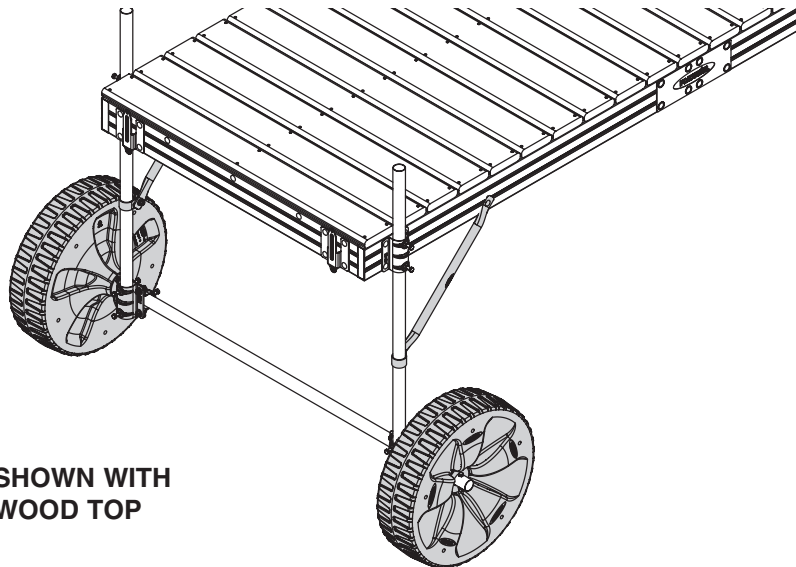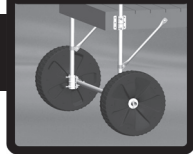
Position two ⅜" flange nuts into pipe sleeve as shown. (Figure 1)

Insert dock pipe into pipe sleeves at desired height.

Tighten pipe with ⅜" x 1" hex bolt and ⅜" flange nut as shown. (Figure 2)
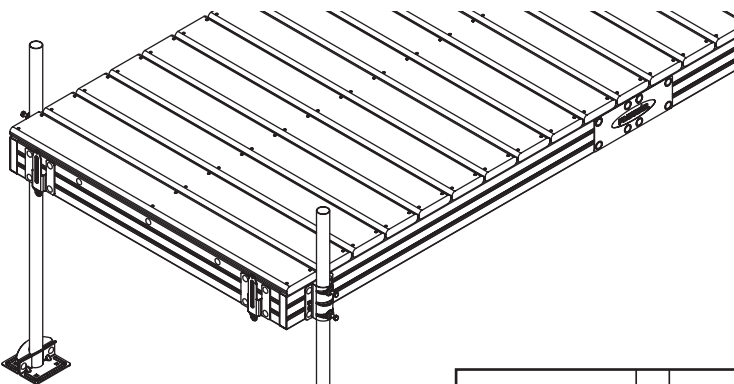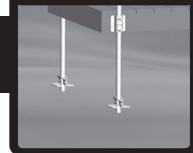
Figure 1   **Figure 2**

ROLL-IN OPTION

Roll-In

Purchase Separately:

(2) PS 1198 Dock Wheel Axle Kit
(2) PS 1334 Dock Wheels
(3) Dock Pipe (1⅝" or 1⅞")

Follow the complete assembly instructions included in your PS 1198 Dock Wheel Axle Kit.

SHOWN WITH WOOD TOP

STATIONARY OPTION

Stationary

Purchase Separately:
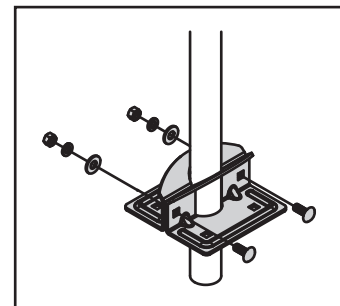
(2) PS 1023 Commercial Grade Foot Plate
(2) Dock Pipe (1⅝" or 1⅞")

Attach foot plate to dock pipe as shown.

For Additional Support, the pipe can extend below the bottom of the foot plate. This allows the pipe to dig into the surface below.
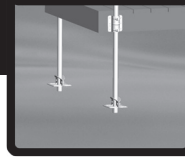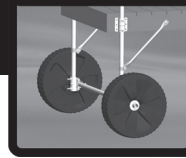
SHOWN WITH WOOD TOP
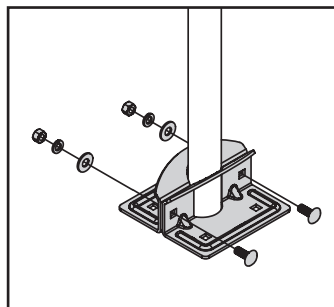
or

Note: Dock pipe longer than 8 feet may require additional cross bracing.

19

Cutting Guide (Wood Top Only) – Purchase Separately

⁵⁄₄" x 6" x 8' – eleven (11) boards required

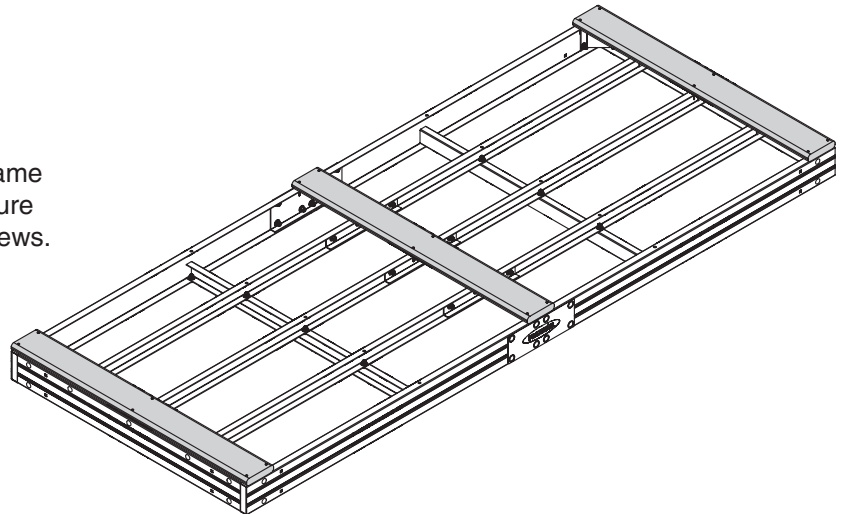|		
(10) boards	48″	48″
(1) board	48″	

(126) – #10 x 1½" All-Purpose Screws (for Wood and Metal)

Items for this STEP:

  (3) ⁵⁄₄" x 6" x 48" boards
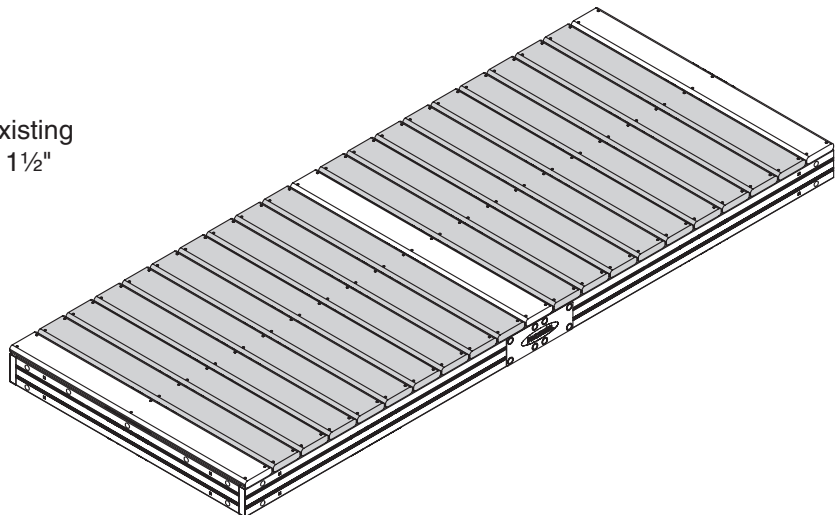(18) #10 x 1½" All-Purpose Screws

Position one board flush at each end of the frame and one directly in the middle as shown. Secure each board with six #10 x 1½" all-purpose screws.

Items for this STEP:

  (18) ⁵⁄₄" x 6" x 48" boards
(108) #10 x 1½" All-Purpose Screws

Position boards equally spaced between existing boards. Secure each board with six #10 x 1½" all-purpose screws.
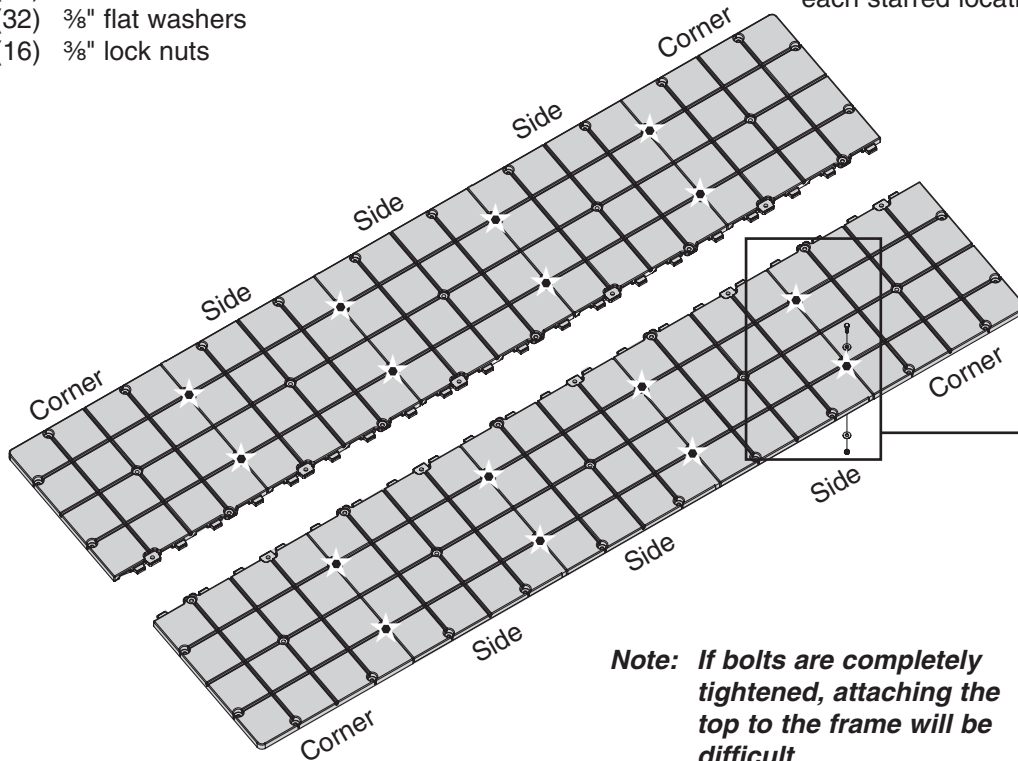
RESIN DOCK TOP ASSEMBLY

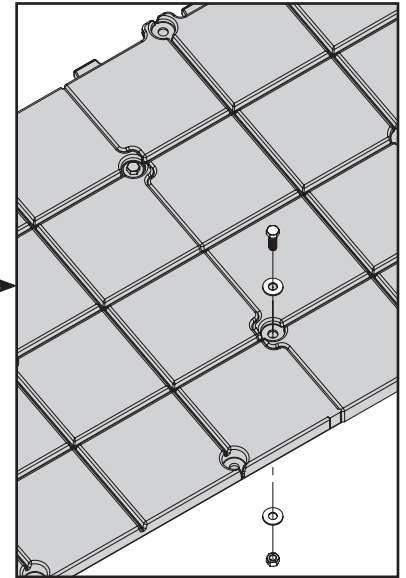**Items for this <u>STEP:</u> (included in PS 1320 Resin Dock Top)**

- (4) Dock Top Corners
- (6) Dock Top Sides
- (16) ⅜" x 1¼" hex bolts
- (32) ⅜" flat washers
- (16) ⅜" lock nuts

Assemble the tops into two halves as shown. Install ⅜" x 1¼" hex bolts, ⅜" washers and ⅜" lock nuts at each starred location. **Finger tighten only.**

Note: If bolts are completely tightened, attaching the top to the frame will be difficult.

Items for this <u>STEP:</u> (included in PS 1320 Resin Dock Top)

- (4) ⅜" x 1¼" hex bolts
- (8) ⅜" flat washers
- (4) ⅜" lock nuts

Position the two assembled halves together and center on the frame as shown.
Finger tighten ⅜" x 1¼" hex bolts, ⅜" flat washers and ⅜" lock nuts at each circled location

21
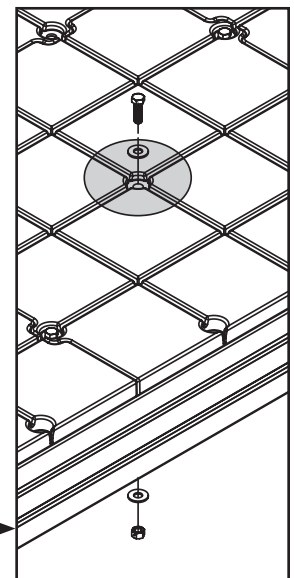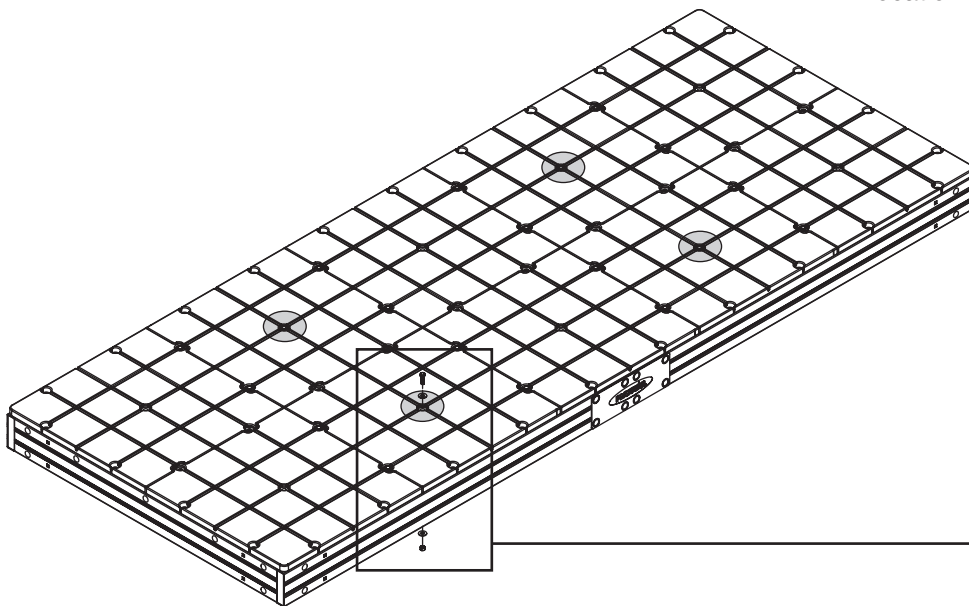
**Items for this <u>STEP:</u> (included in PS 1320 Resin Dock Top)**

(44) ¼" x 1½" self-drilling hex screws
(44) ¼" fender washers

Beginning with the exterior holes, secure all remaining holes with ¼" x 1½" self-drilling hex screws and fender washers. **<u>Do not over tighten.</u>**
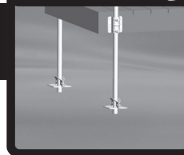
Once Dock Top is secured to frame, completely tighten all hex bolts from previous step. Then slightly loosen these bolts/nuts (¹/₃-¹/₂ of a turn) to allow for some expansion and contraction of Dock Top sections.
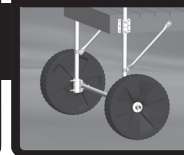

Stationary   Roll-In   Floating
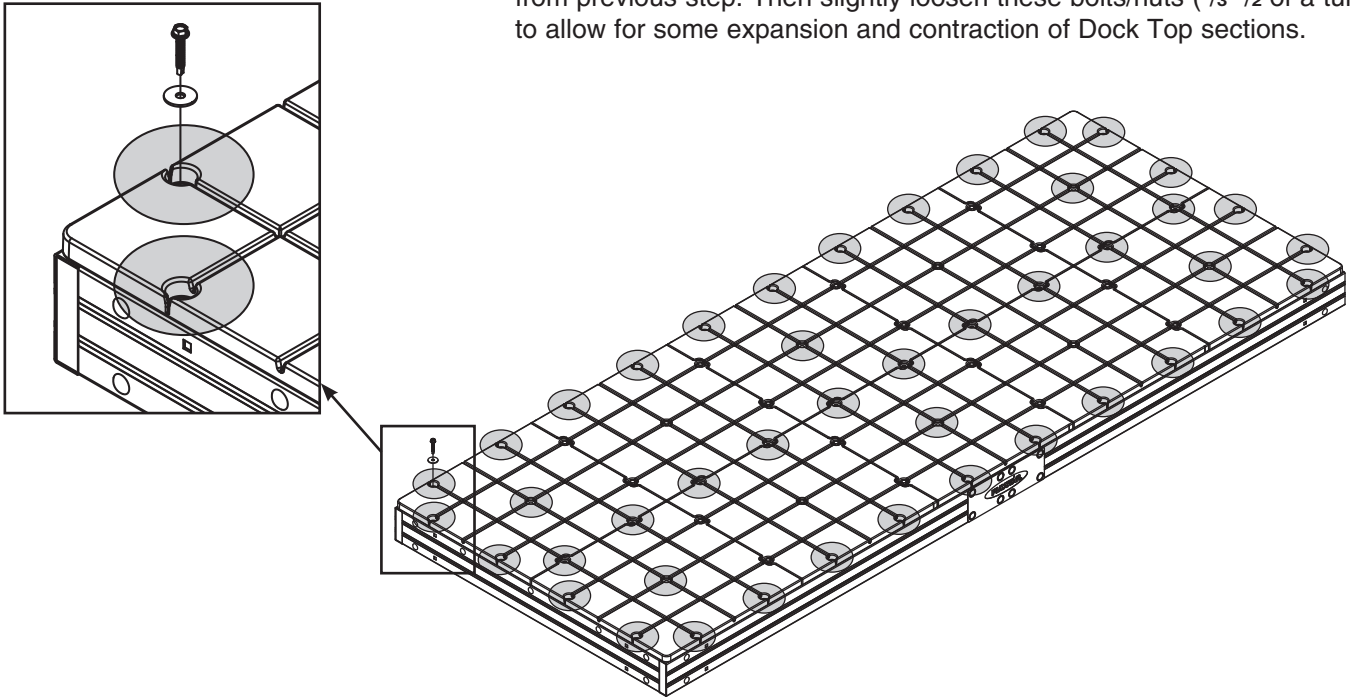
ATTACHING ACCESSORIES
(PURCHASE SEPARATELY)
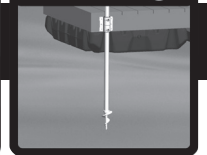
MULTI-PURPOSE BUMPER PS 1352
(Hardware not provided)

Position the bumper in desired location. For ease of assembly, you can position the bumper where you have exposed holes or replace the frame plate.

Use the bumper as a drill guide and mark the four hole locations for horizontal mounting or two hole locations for vertical mounting. Drill ⅛" holes through the side of the aluminum frame at the marked locations. Use the ⅛" holes as a drill guide and drill ⅜" holes.

Secure with ⅜" x 1" hex bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.

Note: If you are building a Roll In or Stationary, you will use the ⅜" x 1¼" hex bolts included in the Aluminum Dock Kit (PS 1505).

HORIZONTAL

VERTICAL

Refer to your specific project for locations.

22
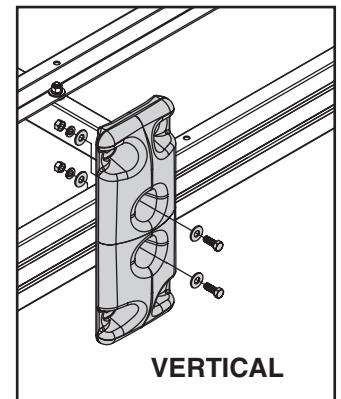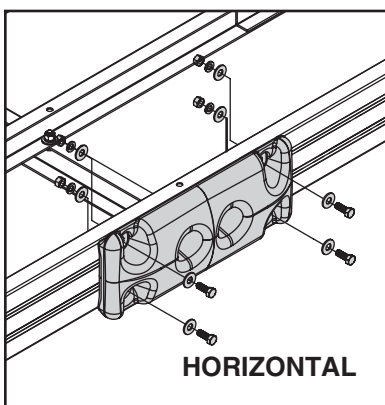
PIPE SLEEVE BUMPER PS 1188
(Hardware provided)

Install two ⅜" nuts and ⅜" flat washers on each U-bolt as shown.

Attach the pipe sleeve bumper to the U-bolts around the pipe sleeve.

Secure with ⅜" flat washers, ⅜" lock washers and ⅜" nuts.

Refer to your specific project for locations.

SHOWN ON FLOATING DOCK

RESIN DOCK CLEAT 8" PS 1191
(Hardware not provided)

Position cleat in desired location.

Use the cleat as a drill guide and drill two ¼" holes.

Secure with ¼" x 3" carriage bolts, ¼" flat washers, ¼" split washers and ¼" nuts.

Refer to your specific project for locations.
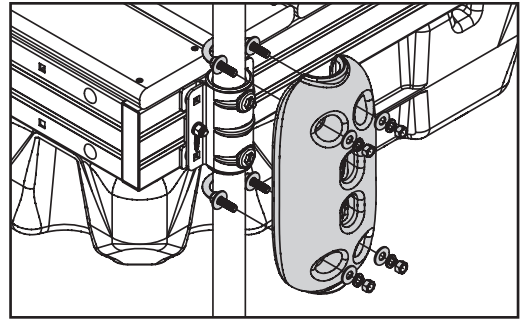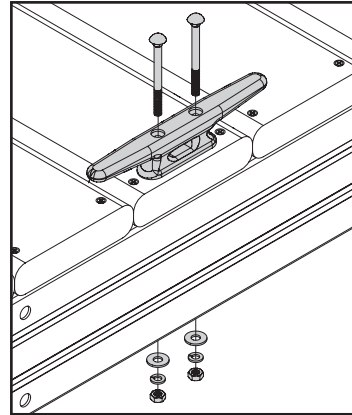

SHOWN ON WOOD TOP

PREMIUM DOCK CLEAT PS 1354
(Hardware not provided)

Position cleat in desired location.   For ease of assembly, you can position the dock cleat where you have exposed holes.

Use the cleat as a drill guide and mark the two hole locations.

Drill ⅛" holes through the side of the aluminum frame at the marked locations. Use the ⅛" holes as a drill guide and drill ⅜" holes.

Secure with ⅜" x 1" hex bolts, ⅜" flat washers, ⅜" lock washers and ⅜" nuts.

Note: If you are building a Roll In or Stationary, you will use the ⅜" x 1¼" hex bolts included in the Aluminum Dock Kit (PS 1505).

Refer to your specific project for locations.
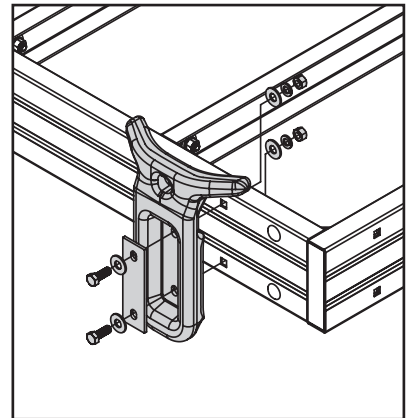
PlayStar Resin Dock Ladder PS 1605
(Hardware provided)

Safe, easy way to climb onto your dock from the water. Adjustable to 36" or 47" length.

Instructions packaged with ladder.

Port Side

www.portsidedocks.com

Thank you for choosing PortSide by PlayStar.

Questions, Concerns or Missing Parts?
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Register your PortSide product at: portsidedocks.com/playstar-warranty

1-888-PLAYSTAR (752-9782)   **custserv@playstarinc.com**
Monday through Friday, 8:00 A.M. to 5:00 P.M. C.S.T.

Gracias por escoger PortSide un producto de PlayStar.

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De Lunes a Viernes de 8:00 A.M. a 5:00 P.M. C.S.T.

Merci d'avoir choisi Portside par Playstar.

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(450) 699-3083   **custserv@playstarinc.com**
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