



## **INSTALLATION INSTRUCTIONS**

**MODEL CUSTOM  
3.5" WITH BRACKET (NO CLAMP)  
STANDARD LAYOUT**

**Please read the entire manual before beginning installation.**





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3. INSTALLATION STEPS
4. COMPONENT INSTALLATION
5. APPENDIX
6. ORIGINAL COMPONENT MAINTENANCE FORMS
7. COMPLETED COMPONENT MAINTENANCE FORMS





## MEGA Series Installation Guide

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### **HARDWARE DRAWINGS**

### **COMPONENT INSTALLATION INSTRUCTION SETS**

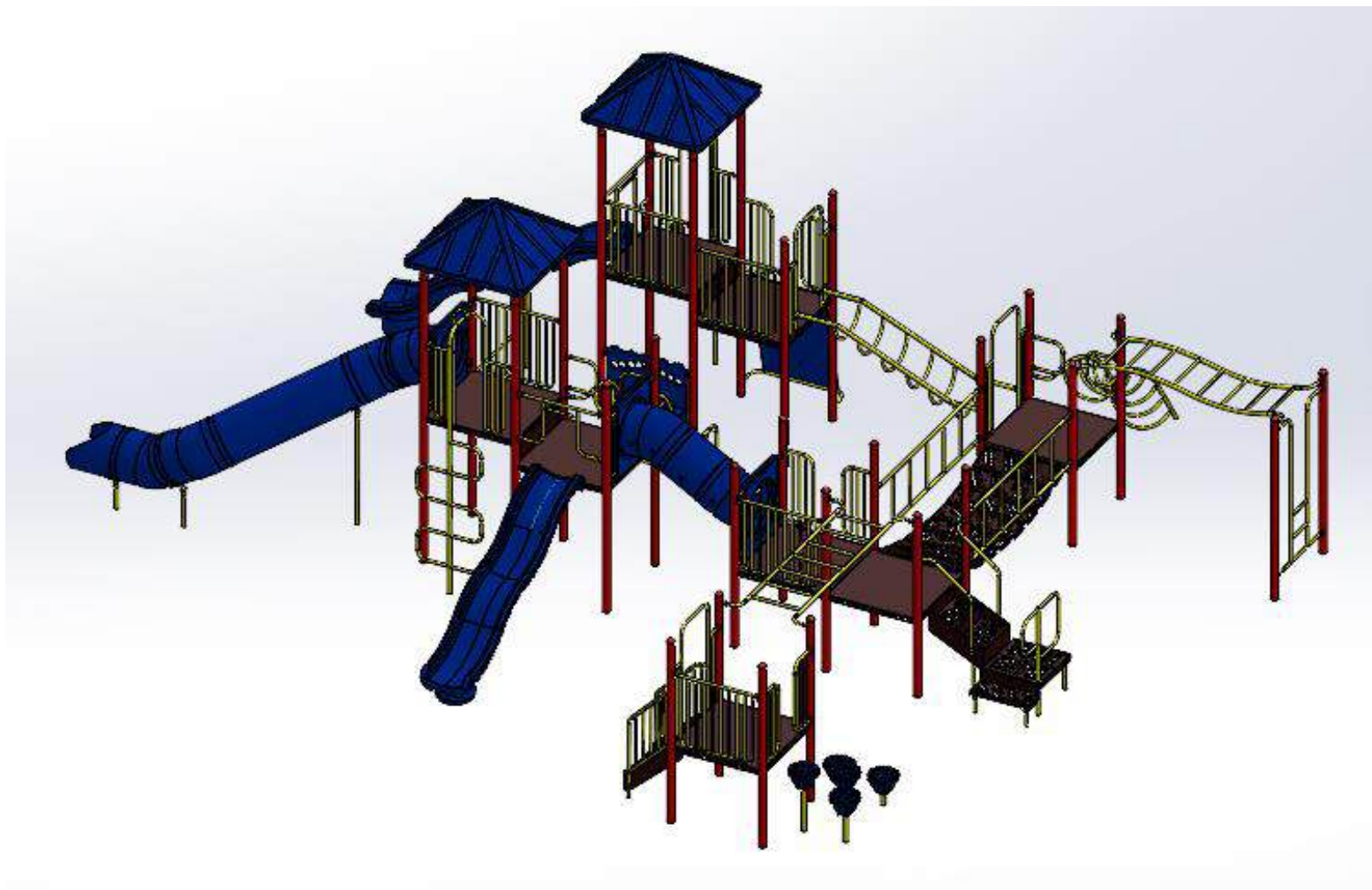
### **APPENDIX**

### **FINAL INSTALLATION STEPS**

### **MAINTENANCE AND INSPECTION**



Figure 1

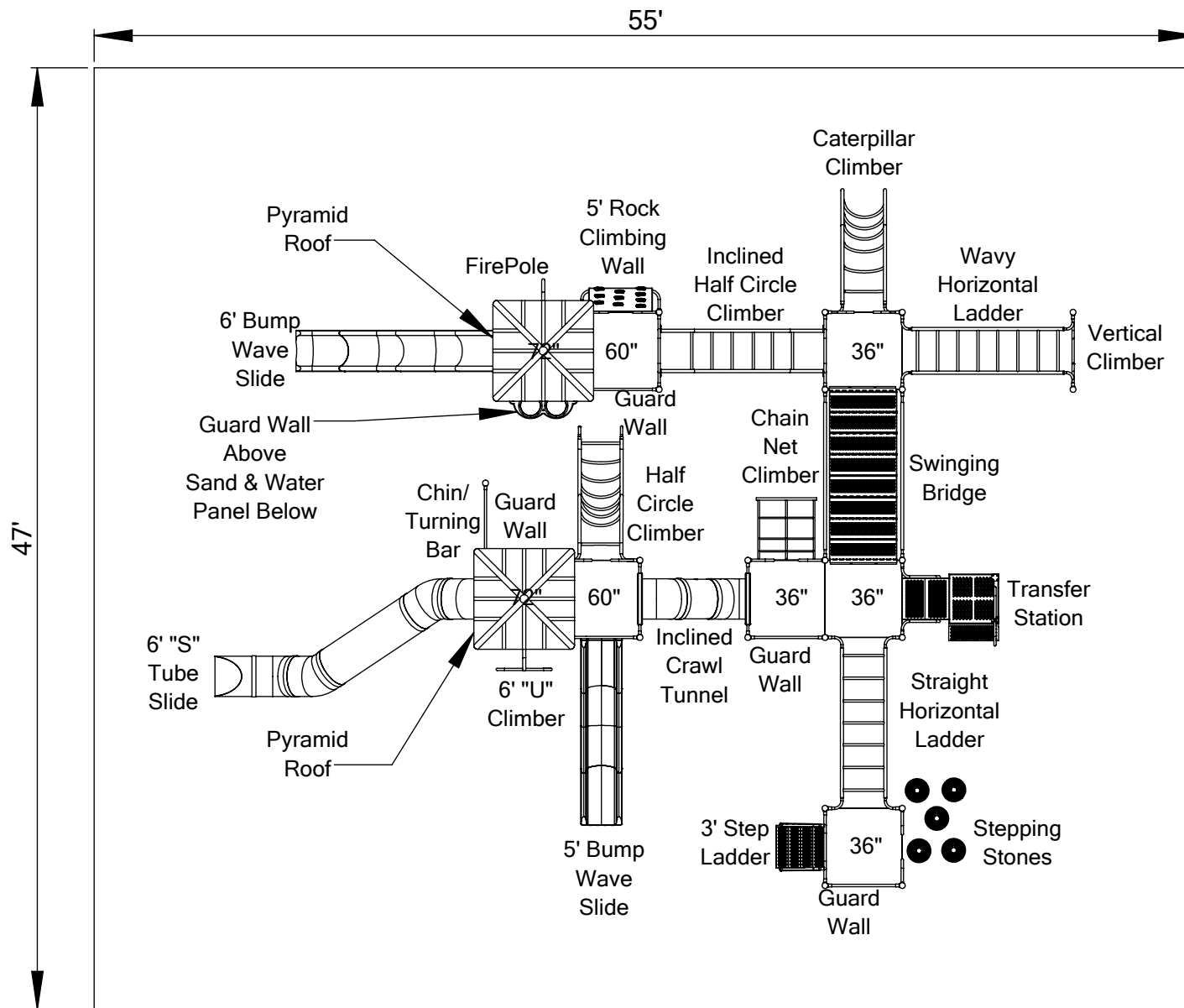




## **MODEL CUSTOM Installation Guide**

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*SportsPlay*

500 Newton, Park Hills  
800-727-8180  
Fax: 314-389-9034  
www.sportsplayinc.com

Size: 0' X 0'  
Use Zone: 47' X 55'  
Age Group: 5-12

Drawn By:

E. Barron

Date

00-00-2023

CPSC: Compliant  
ASTM: Compliant

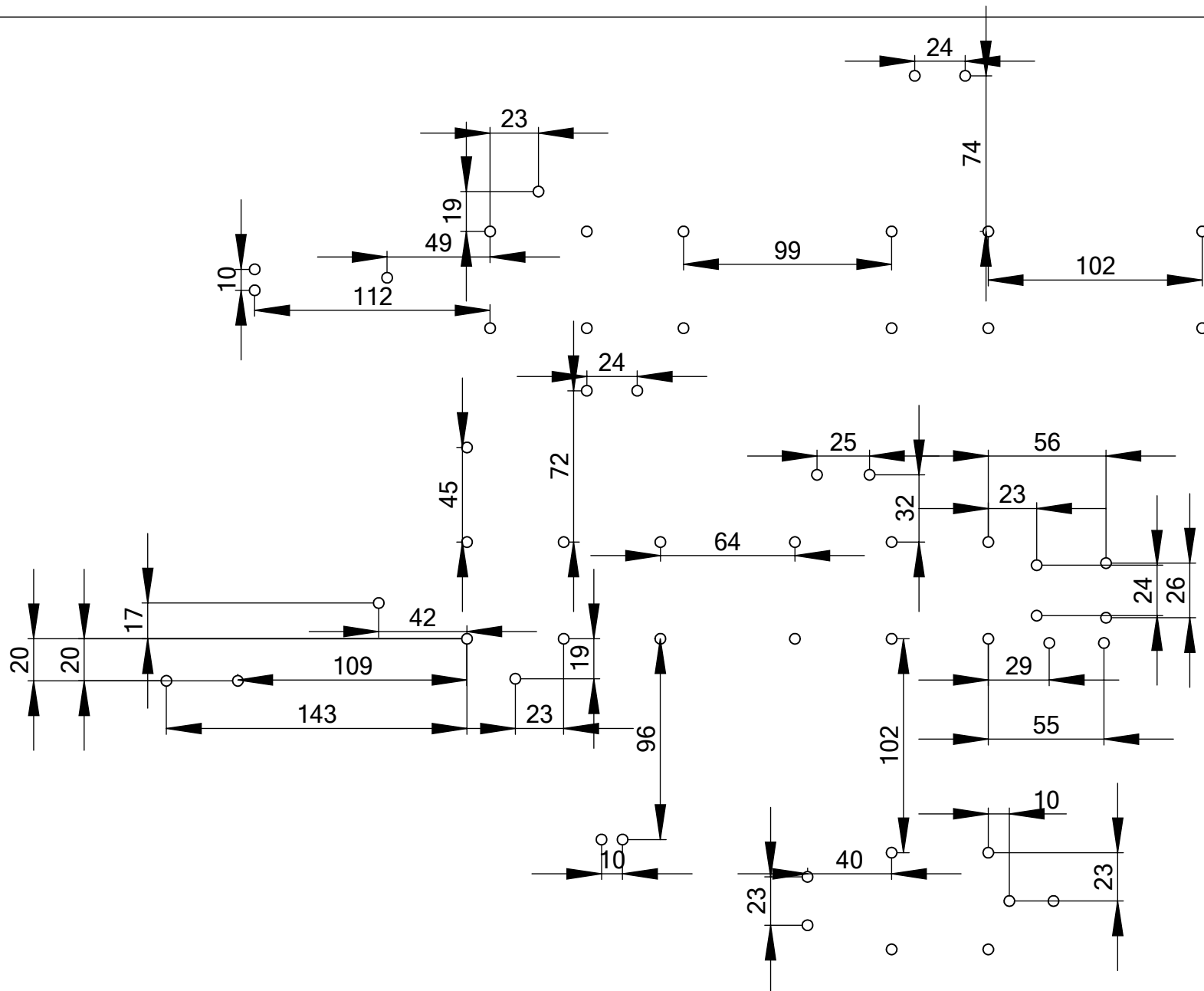
Project: Bryce Value

Drawing Number: #4898  
Distributor: WillyGoat

Scale: 1:96

Sheet 1 of 1





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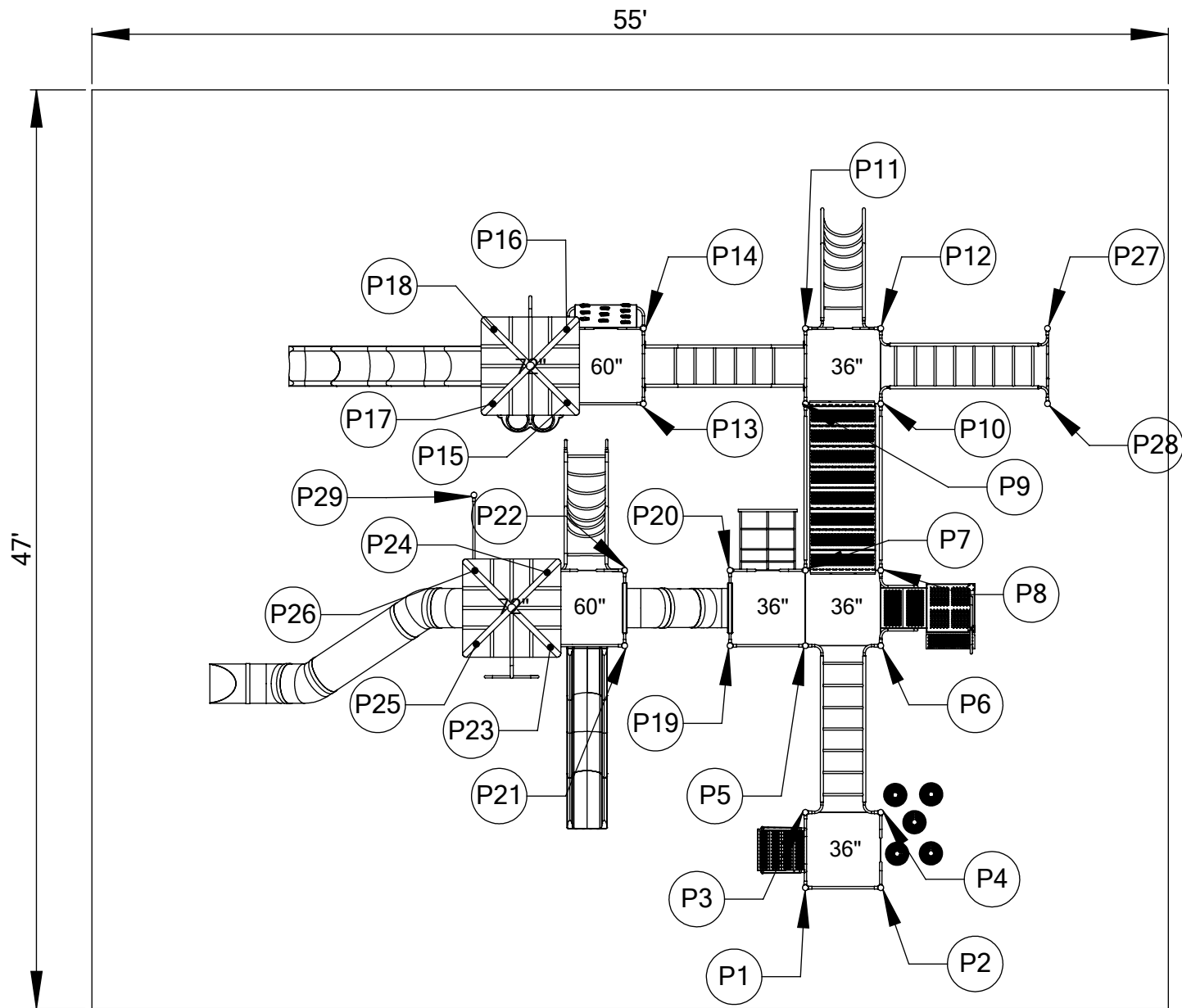
Project: Bryce Value

Drawing Number: #4898  
Distributor: WillyGoat

Scale: 1:70

Sheet 1 of 1





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Drawing Number: #4898  
Distributor: WillyGoat

Scale: 1:96

Sheet 1 of 1





## MEGA Series Installation Guide

### **Important**

#### **Please read completely before beginning installation.**

This equipment has been designed for safety as well as challenge and fun. This equipment has been designed to reduce injuries and therefore must be installed “Step by Step” per our Instructions.

The U.S. Consumer Product Safety Commission (CPSC) published a report stating 79% of all playground injuries treated in U.S. Emergency Rooms was the result of a fall. It is critical that you refer to the Protective Surfacing section of these instructions, located on the next page prior to installing your playground. As the owner you are responsible for the safe installation of not only the play equipment, but also the safety of the site.

#### **Before You Begin**

- Identify all parts by comparing them to the part list and component instruction pages.
- Equipment should be inventoried and installed within a few days of receipt. The packing materials are meant to protect the equipment during shipping and not for storage. Heat, weather and sunlight can damage the packing materials, which can impact the components. If storage is required you must store the equipment in a controlled environment away from heat, moisture and sunlight. SportsPlay recommends carefully unpacking the unit and taking an inventory before storing the equipment. Care should be taken with all powder coated and thermoplastic-coated parts to prevent damage to the coating. Additionally all plastic panels need to be stored flat to prevent warping.
- Review your playground footing and top view drawings to ensure your site is large enough. The use zone for playground structures extends 6’ (72”) from its perimeter. Remember that you may not overlap the use

zone of any slide with another playground. These guidelines are available from the CPSC (contact information for the CPSC is located on the next page).

- Read through the entire instruction booklet before beginning the actual installation.
- Before you begin preparing the site or digging any holes you must first contact your local utility companies so they can visit the site and mark all of the buried utilities. In the U.S. you may call 811 and your call will be routed to your local utility center.
- This equipment was designed to install on a clear and level site. There should be no more than 3” in of grade variations in a 10’ span.
- Footing layout is the first critical step once the installation begins. Mark all holes using the footing diagram. Prior to digging holes compare the measurements from the footing diagram to the actual site markings to ensure accuracy. Then check it again!
- Our posts are manufactured to accommodate 12” of protective surfacing.
- Evaluate the site for drainage. To ensure good drainage around the equipment consult a local professional.
- Do not leave the jobsite un-attended during installation unless all access points to the play area are secure, all bolts and fasteners are tight and all ground holes are covered.
- SportsPlay Equipment inc. has provided two warning labels that state: “WARNING – Installation over a hard surface such as concrete, asphalt or packed earth may result in serious injury or death from falls.” These labels must be installed on vertical posts as per ASTM F1487. Instructions for the placement of these labels are included in the appendix of this booklet.



## MEGA Series Installation Guide

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- SportsPlay will provide manufacturer identification labels that must be installed on the structure during installation per ASTM F1487. Installation instructions for these labels are included in the appendix of this instruction manual.
- Labels must be replaced when they are no longer legible. Contact your distributor for replacement labels.





## MEGA Series Installation Guide

### **Safety Surfacing**

**WARNING! – INSTALLATION OVER A HARD SURFACE SUCH AS CONCRETE, ASPHALT OR PACKED EARTH MAY RESULT IN SERIOUS INJURY OR DEATH FROM A FALL**

Because accidental falls are likely to occur around play equipment, SportsPlay Equipment Inc. recommends that a resilient safety surfacing that will meet standard ASTM F1292 be placed under and around the structure and extend throughout the entire use zone.

**SportsPlay Equipment Inc. manufactures all playgrounds to accommodate 12” of safety surfacing. If you intend to adjust the height of the surfacing you will need to adjust the depth of the footing to accommodate the surfacing height.**

Refer to the CPSC Handbook for Public Playground Safety for the recommended type and depth of the protective surfacing as well as all other playground safety concerns.

For a copy of the most current issue of the CPSC Handbook for Public Playground Safety, write to:

**U.S. Consumer Product Safety Commission**  
Office of Information and Public Affairs  
Washington DC, 20207  
USA

Call - 1-800-638-2772 (US and Canada only)

Call - 301-504-0990

Direct Link - <http://www.cpsc.gov/cpscpub/pubs/325.pdf>

For a copy of either the standard for surfacing (ASTM F1292) or for play equipment (ASTM 1487) write to:

**American Society for Testing and Materials**

100 Bar harbor drive

West Conshohocken PA, 19428-2959

USA

Call – 618-832-9585

Web Site – [www.astm.org](http://www.astm.org)

You must consider the type of safety surfacing you will use before beginning the installation process. There are two general types, organic/loose fill or synthetic unitary (pour in place). You must know which type of surfacing you are going to use prior to installing the playground. This unit was designed for 12” of loose fill surfacing so if the customer wants to use a synthetic unitary product that has a much smaller height than 12” you must dig the footing holes deeper to allow for the difference.

If loose fill surface material is to be used (example: wood mulch) you will need to consider containment borders. There are many products to choose from including hard plastic and natural products such as wood (Creosoted railroad ties are NOT recommended for use as borders in a play area). Loose fill materials are easily displaced so use of some type of containment border is necessary to keep the surfacing material inside the intended area. Some customers also prefer to have a weed mat installed to prevent weed growth. Choose a mat that will prevent growth but will also allow for drainage.



## MEGA Series Installation Guide

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### Tools and Materials

List is for tools and materials needed that are not included with the playground

Follow manufacturer's guidelines for proper use of tools and materials.

- The best method (also the easiest) to dig the postholes is using a tractor with a 12" auger attachment.
- Shovels (long handled spades)
- Post hole digger
- Wheelbarrow
- Large construction bar (5')
- Pry bar
- Claw hammer
- Large dead-blow rubber hammer
- Small sledgehammer to use in blocking the posts
- Vise grips (various sizes and styles)
- Strong and sturdy step ladders
- Socket set's (1/2" & 3/8" drive)
- Extension cords & power supply
- Drills (1/2" and 3/8")
- Drill bits and spade bits
- Levels – Magnetic torpedo and 4' long levels
- Scrap lumber to use for shims in post holes to keep posts level
- Blocking materials for the post holes (bricks, concrete blocks, etc.)
- 4' Bar Clamp
- Files and sand paper
- Safety surfacing
- Spray paint to mark holes
- String line
- Cement (2,500 psi minimum)
- Straight line or transit level (and tripod) for ensuring hole depths are at the same level



# MEGA Series Installation Guide

**BEFORE STARTING INSTALLATION OF YOUR PLAYGROUND,  
PLEASE READ INSTRUCTIONS THOROUGHLY.**

## **BEFORE BEGINNING**

### **SITE REQUIREMENTS**

The Playground system is designed to suit a level site. Should there be any falls or slopes on the site; care should be taken to accommodate the entry and exit points and to maintain the correct height. There should not be more than 3" of drop grade per every 10'.

The site must be inspected for natural obstacles such as roots or rocks that may be a trip hazard, poor drainage and sharp objects such as glass.

Every state has different rules and regulations governing digging, some are stricter than others. In addition, 62 separate One Call Centers serve different areas of the country; now 811 will connect you directly to your local One Call Center. Prior to digging, be sure to call 811 or the local One Call Center to prevent accidentally disrupting local utility service.

### **MAINTENANCE:**

As an owner, it is most important that you are aware of your responsibility to insure safe use of your new equipment. It is necessary to install equipment according to the installation instructions provided and inspect the equipment at regular intervals. During inspection, if any part is found damaged or excessively worn, equipment should be replaced immediately. A maintenance checklist is included in the appendix of this instruction booklet.

If a part is missing or damaged the playground must be put out of service while the part is replaced. Lack of maintenance will result in premature wear, reduced life expectancy, and possible failure that may result in injury.

All SportsPlay Equipment play events have been engineered to meet all applicable safety guidelines, but if installed

Improperly, these problems may occur:

- Entrapment gaps (between 3 1/2" and 9")
- String Entanglements
- Protrusions

Make sure that any bolt end that protrudes more than 2 threads past the face of the nut is trimmed and deburred smoothly. Always double-check your work.

Installation must adhere to the manufacturer's assembly manual and all other applicable safety guidelines.

### **PLAY AREA:**

The area immediately above and around the play structure must be free of any obstructions such as:

- Trees
- Other Play Equipment
- Buildings
- Overhead Power lines

**Make sure the play area has all the required safety surfacing and the minimum fall zones as required by the safety guidelines. These guidelines can be found at [www.cpsc.gov](http://www.cpsc.gov).**

**CHILDREN MUST BE SUPERVISED AT ALL TIMES No playground is safe without adult supervision!**

There may be situations that require you to modify the layout or use your own judgment. If you have any questions contact your distributor.

Reading this entire manual before beginning the installation will help you to ensure your equipment is installed and maintained correctly.



## MEGA Series Installation Guide

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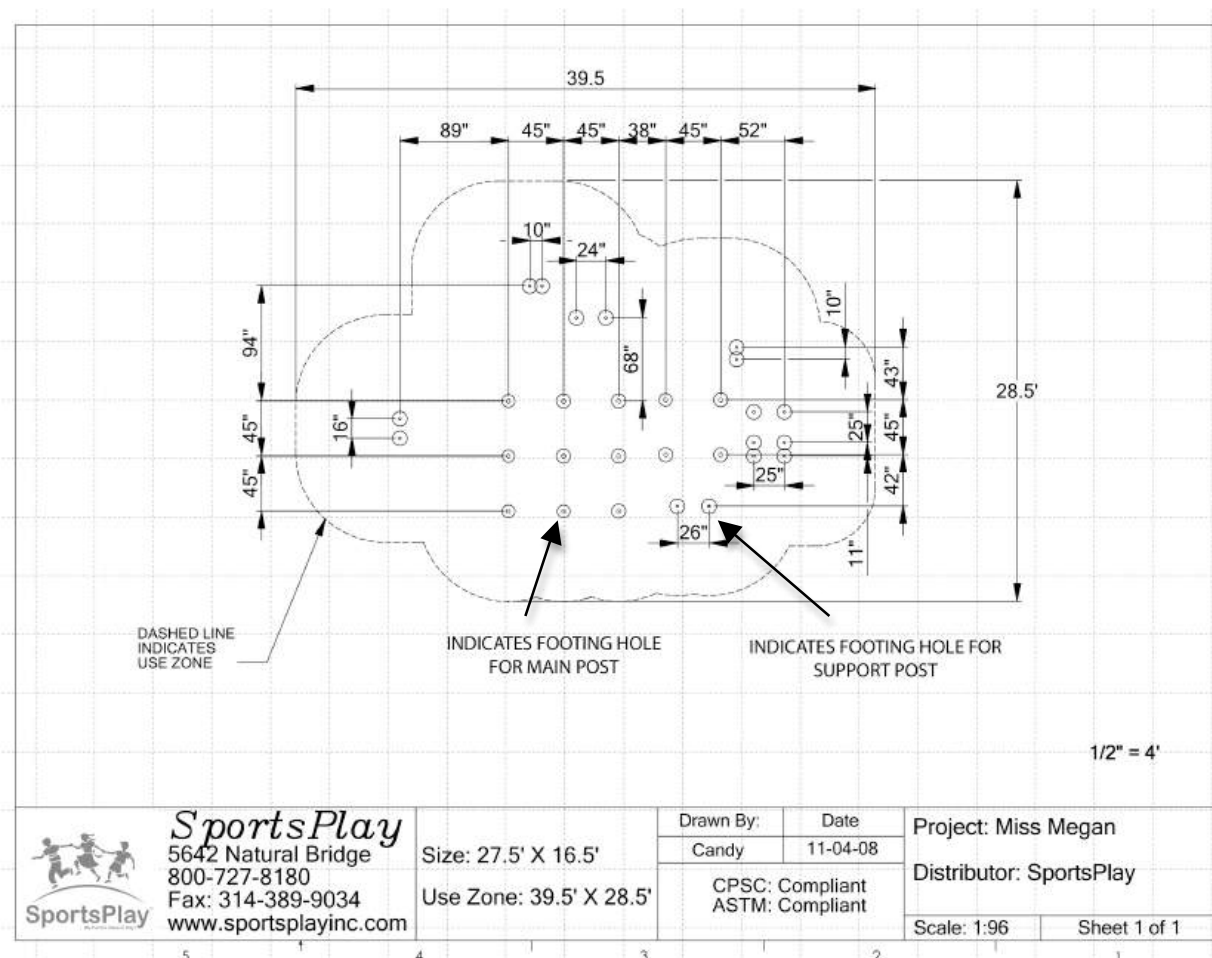
The use zone for this equipment shall extend a minimum of 6' in all directions from the perimeter of the equipment.

The use zone for adjacent stationary equipment may overlap. If the deck height for that equipment is no more than 30" above the protective surfacing the use zone is 6'.

The use zone for adjacent stationary equipment may overlap. If the deck height for that equipment is more than 30" above the protective surfacing the use zone is 9'.

## Installation Punch List

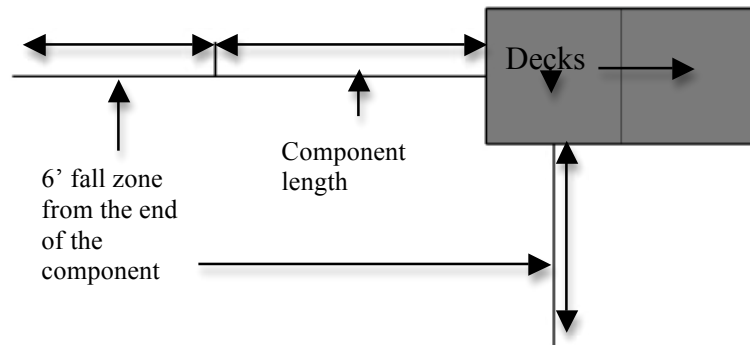
### Footing Layout Example





## Step 1: Layout

1. Lay decks on ground in the desired location using the top view layout drawing. Measure from each deck to ensure there is adequate space for any component and the components fall zone. Below is an example of how to layout your decks so you can mark the location of the holes for the main posts and verify the required distance for a fall zone. This drawing is a standard drawing and does not represent the actual playground you are installing.

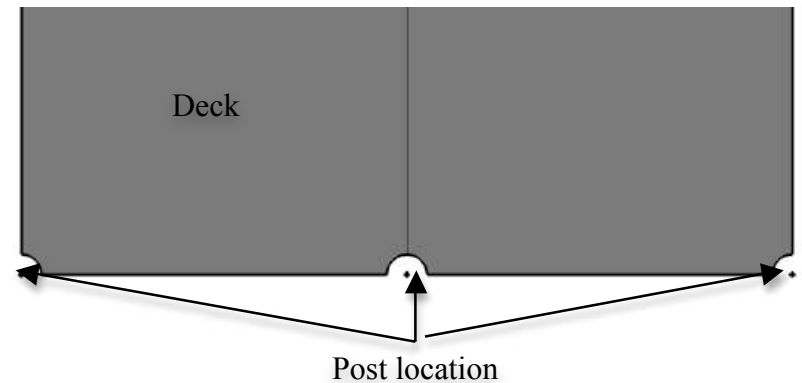


2. Most installers like to orientate the playground so that the entry point of the playground (primarily a transfer station) is facing either the sidewalk or the direction from which the children are entering the play area.

## Step 2: Holes

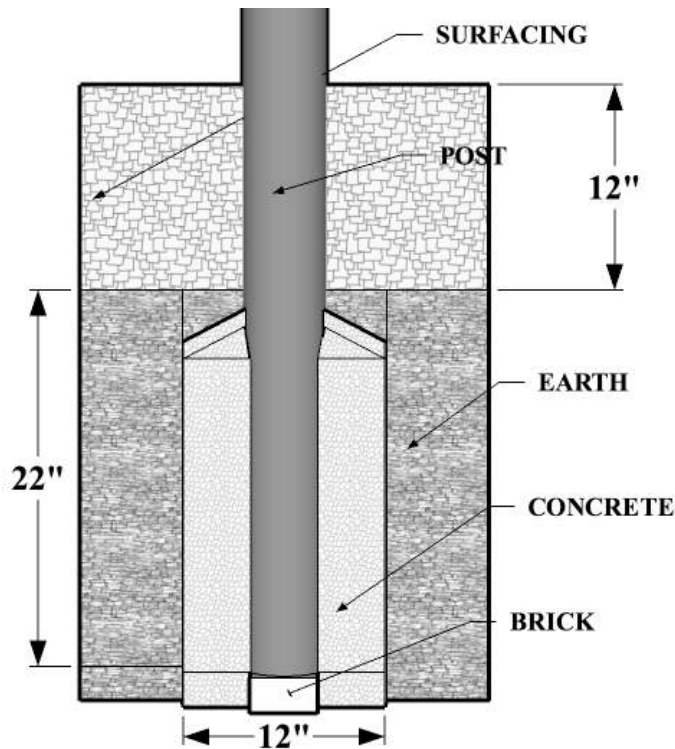
1. If the site grade is not level you have to adjust the footing depth to maintain a level footing. Check with building codes to ensure you meet required hole depth and width. If a deeper footing is required you must add blocking materials to the whole to keep the post depth in accordance with our footing drawing.

2. Once the decks are in the desired location within the play area and the decks are flush with each other, mark the locations of the post by inserting a stake into the center of each post location (see drawing below for an example). If using spray paint to mark location please be careful not to spray the deck.



3. Match the post location marks with the footing layout in the front of this booklet (an example of how to identify which holes are for the main posts and which are for support posts is on the previous page). Dig your holes using the main post footing drawing below. If your surface grade is not level you should start with the lowest point and use that hole depth to level all other holes too. The footing drawing below indicates a depth of 22" plus the thickness of a brick (or the thickness of whatever blocking material you will use instead of a brick). This depth is for 12" of surfacing only. If you are using something other than 12" of surfacing, such as 3" of rubber your hole depth would have to be 31" plus the thickness of a brick to allow for less surfacing material. (Footing depths for support posts such as slide legs are listed in the component assembly instructions.

## FOOTING SIDE VIEW



4. It is recommended that you use a transit to level the remaining postholes to the first hole in order to ensure that the posts are level.
5. Using the post identification drawing (4<sup>th</sup> page of this booklet) identify which post goes in each hole by matching the number on the post with the number on the drawing.

## Step 3: Deck, Post & Component Installation

1. The easiest way to install the playground is by starting with the central deck and then work out. We recommend installing the posts and central deck and once the post and deck are square and level you may add the concrete (concrete with a minimum of 2,500 psi should be used). Mix concrete per manufacturers instructions and let it cure for at least 24 hours before continuing.
2. **NEVER LEAVE THE INSTALLATION SITE UNATTENDED WITHOUT ROPING OFF THE AREA AND EQUIPMENT, INSTALLING ALL HARDWARE, SECURING TOOLS AND EQUIPMENT, AND COVERING OPEN HOLES WITH A RIGID MATERIAL (PLYWOOD). CHILDREN WILL TRY TO USE THE EQUIPMENT EVEN THOUGH ITS NOT FULLY ASSEMBLED. YOU MUST TAKE ACTION TO PREVENT INJURY AND DAMAGE.**
3. Once the first deck is installed and the concrete has set for 24 hours you can install the remaining decks working out from the first deck ensuring all decks and posts are square and level as you go.
4. Level and plum all posts and decks and then brace them in position.
5. Beginning at the lowest deck, install all playground components. When installing the four hole brackets be sure to orientate the bracket so that the setscrew faces down. Use the footing layout at the beginning of this booklet to layout your component holes. Once the entire playground has been installed and the entire unit is level you may start adding the concrete.





## MEGA Series Installation Guide

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### Step 4: Concrete

1. Verify all posts, decks and components are tight, level and square. Once the unit is verified to be level and square you may start installing concrete. You must use concrete with a minimum of 2,500 psi.
2. Always pre mix the concrete to the manufactures directions before pouring it into the hole. Never put dry concrete in the hole. Typically each main posthole requires two 80-pound bags of concrete.
3. Allow concrete to set in accordance with manufacturers directions. Fill holes too about 2” below the surface with concrete. Once the hole has been filled with concrete, slope the top of the concrete down and away from the post to keep water from seeping between the post and the concrete.
4. Secure playground area to prevent access while the concrete is setting for a minimum of 48 hours.
5. SportsPlay recommends having a CPSI (certified playground safety inspector) present during installation. If that’s not possible you should have the completed playground (after surfacing is in place) inspected by a CPSI.

### Step 5: Last Step

1. After concrete has completely set, backfill all holes with dirt.
2. Install surfacing label, 12” from dirt surface on main posts for mulch.
3. Install surfacing.



### Four Hole Bracket & Panel Bracket Installation

#### Tip for installation

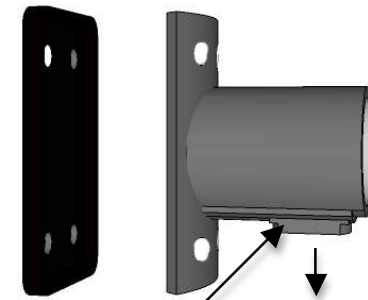
- Use the #7 drill bit to pre-drill all holes when connecting the bracket to the post if you are having trouble with the self-tapping screws

#### Installation

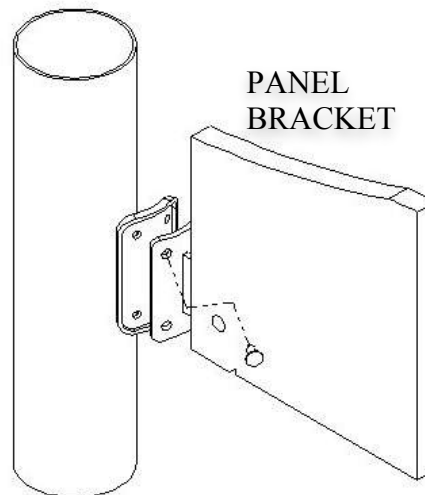
- Always install the brackets with the set screw facing down (refer to the drawing on the right)
- Always install the rubber gasket with the brackets
- After you have installed the brackets and the component completely verify the set screw is tightly in place and smooth out all sharp edges and points
- Use the screw bit included with the hardware
- Do not over tighten screws



FOUR HOLE  
ATTACHMENT  
BRACKET



Set screw facing  
down

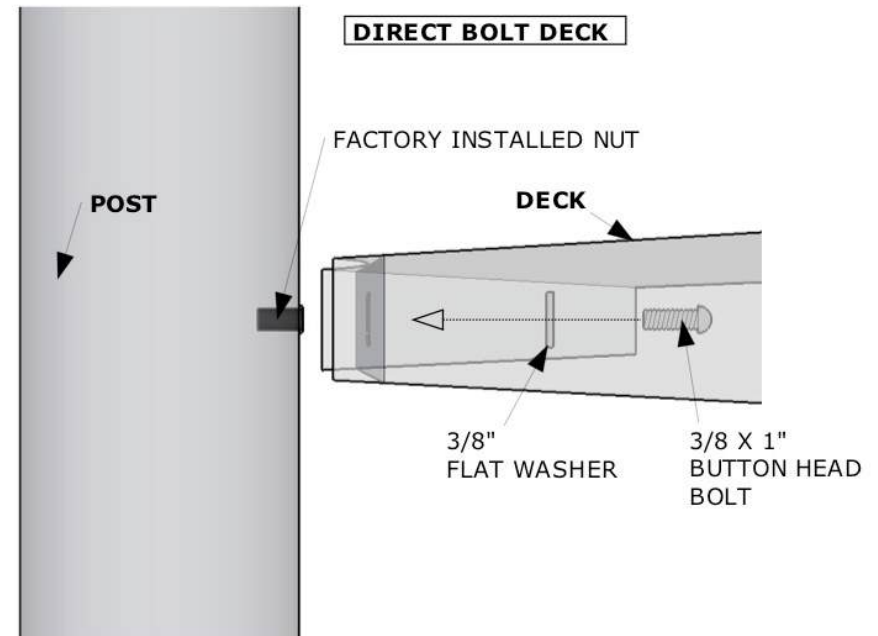
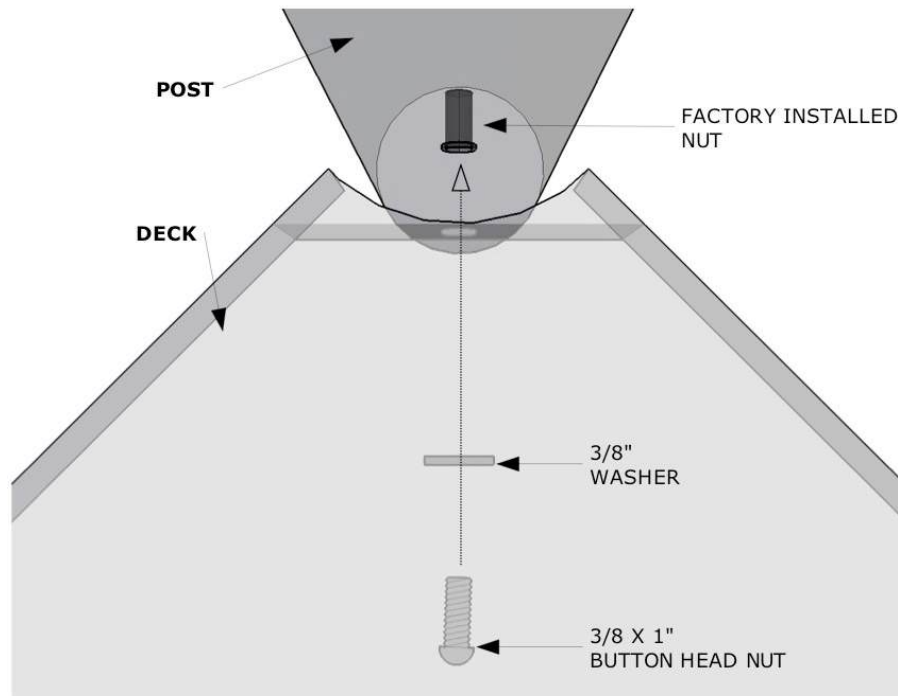


PANEL  
BRACKET

## Direct Bolt Deck

While two people position and hold the deck in place, insert the deck bolt and washer through the deck and into the factory installed nut on the post.

To ensure proper placement, refer to the layout drawing and the post id drawing at the beginning of this guide.





## MEGA Series Installation Guide

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### Other Installation Tips

- **When attaching a deck to a post** sometimes the factory installed nuts will spin when tightening the bolt. If this happens simply slide a slim flathead screw driver in between the deck and the post and slightly pry on the installed nut to keep it from spinning.
- **If you are mocking up components with the intention of removing the hardware at some point**, you may want to apply lubricating oil to the hardware. Stainless steel hardware has a tendency to seize so if you are planning on removing the hardware you may want to apply lubricant to prevent this.
- **Pre-drill the holes for the four hole bracket** in the posts with the #7 drill bit included with the hardware
- Unless specified in the specific component instruction step, **do not tighten the hardware completely** until the entire unit is assembled.





## MEGA Series Installation Guide

### SUPERVISION GUIDE

Although the equipment is designed, installed and maintained in accordance with all safety guidelines adult supervision is required.

Not all equipment is appropriate for all ages. Direct children to age appropriate equipment.

Younger children will require more supervision than older children.

While eliminating accidents is not likely, following these guidelines will help minimize accidents.

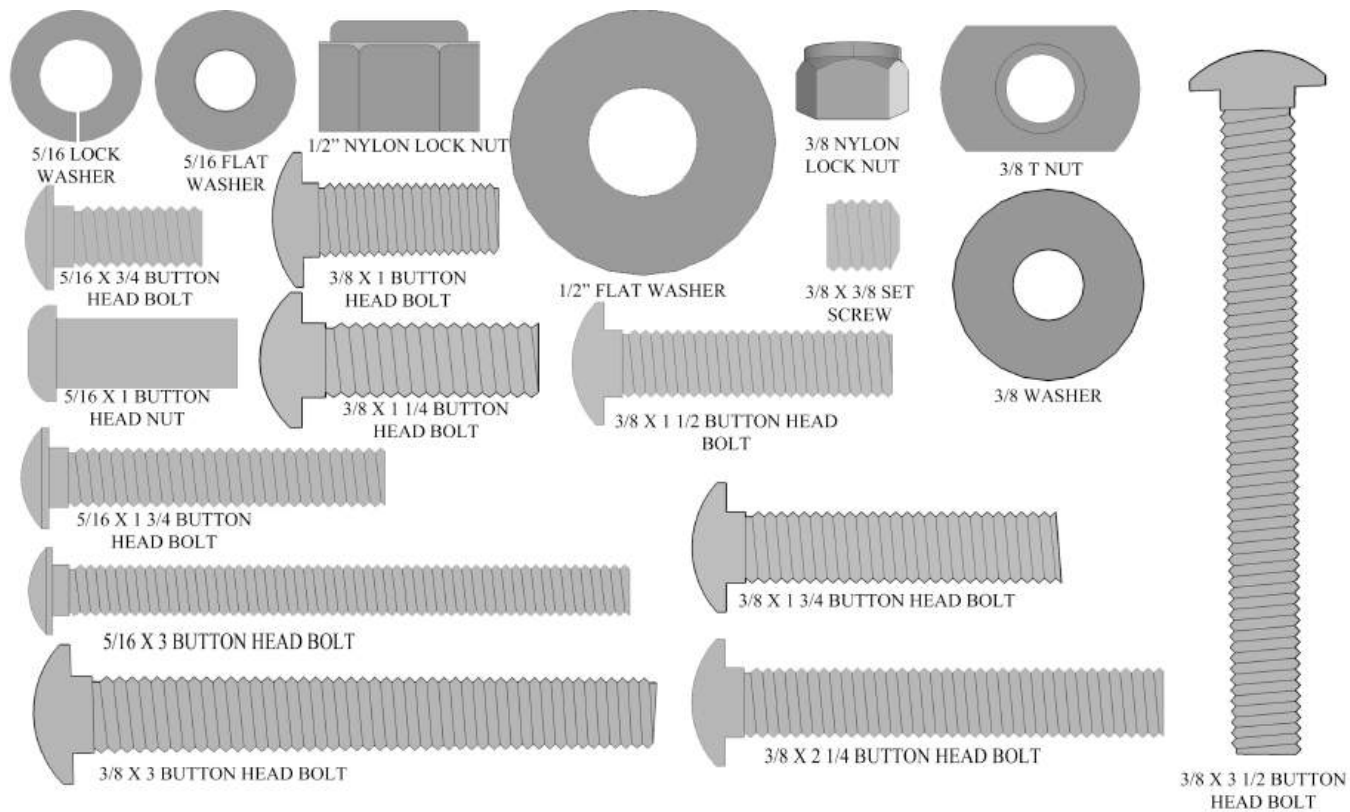
Basic playground safety for supervisors:

- Make sure all safety surfacing is in place and at the correct height. Inspect area for hard or sharp objects and remove them.
  - No dangerous horseplay in the play area. (Jumping from dangerous heights, displacing of surfacing, etc...)
  - Inspecting for missing or broken equipment. (Do not allow children to play on broken equipment or equipment with missing components).
  - Make sure there are no unsafe modifications (especially ropes tied to equipment). Remove all unsafe modifications and close the equipment for play until they are removed.
  - Keep children in the designated play area.
  - Do not let children play on wet equipment.
  - Prevent overcrowding on play equipment.
- Loose clothing, hoods, strings or jewelry shall be tight or not worn while playing to prevent strangulation.
  - Ensure the temperature of the equipment is not hazardous. Direct sunlight exposure can increase the temperature of the equipment high enough to cause injury.
  - Inspect the playground every day using the General Inspection Checklist located in the appendix of this manual
    - The easiest method for performing the daily inspection with the checklist is to laminate the checklist and use a dry erase marker to mark the items off before opening the play area

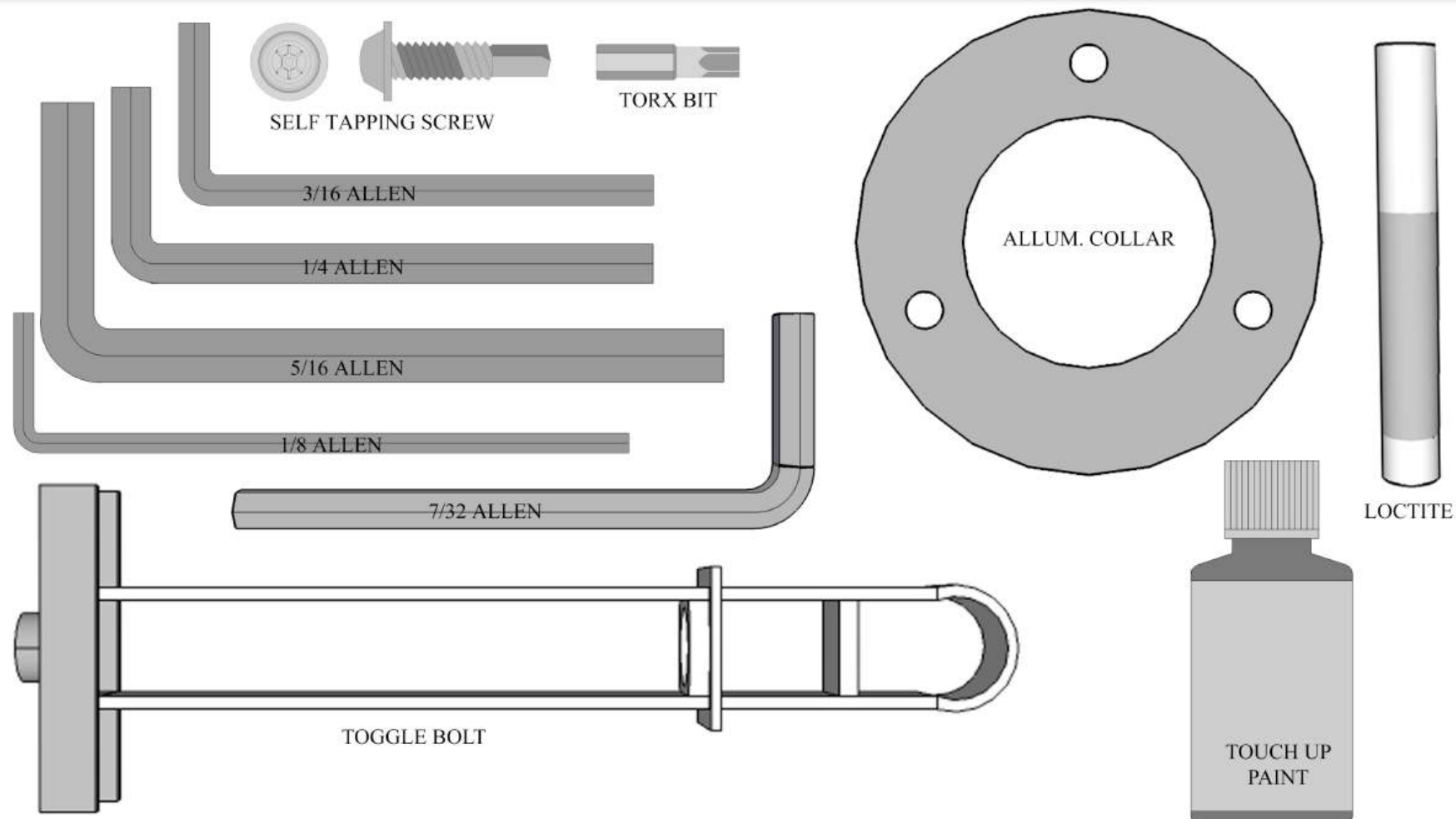




## HARDWARE









# **COMPONENT INSTALLATION INSTRUCTIONS**



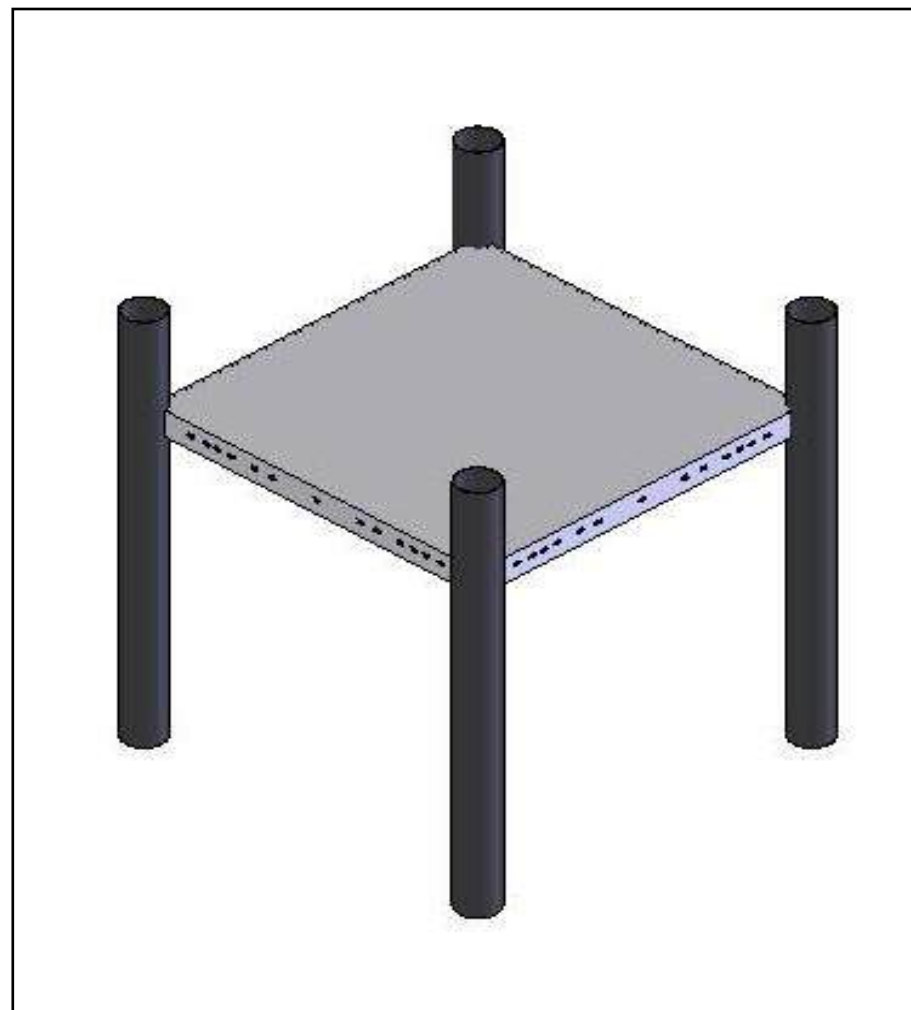
### **INSTALLATION DETAILS**

- Recommended crew (Adult): 3
- Installation time: **15 min (.75 man hr)**
- User age: **2-12**
- Use zone: **72"**
- Weight: **79**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing are in place in accordance with ASTM and CPSC standards.



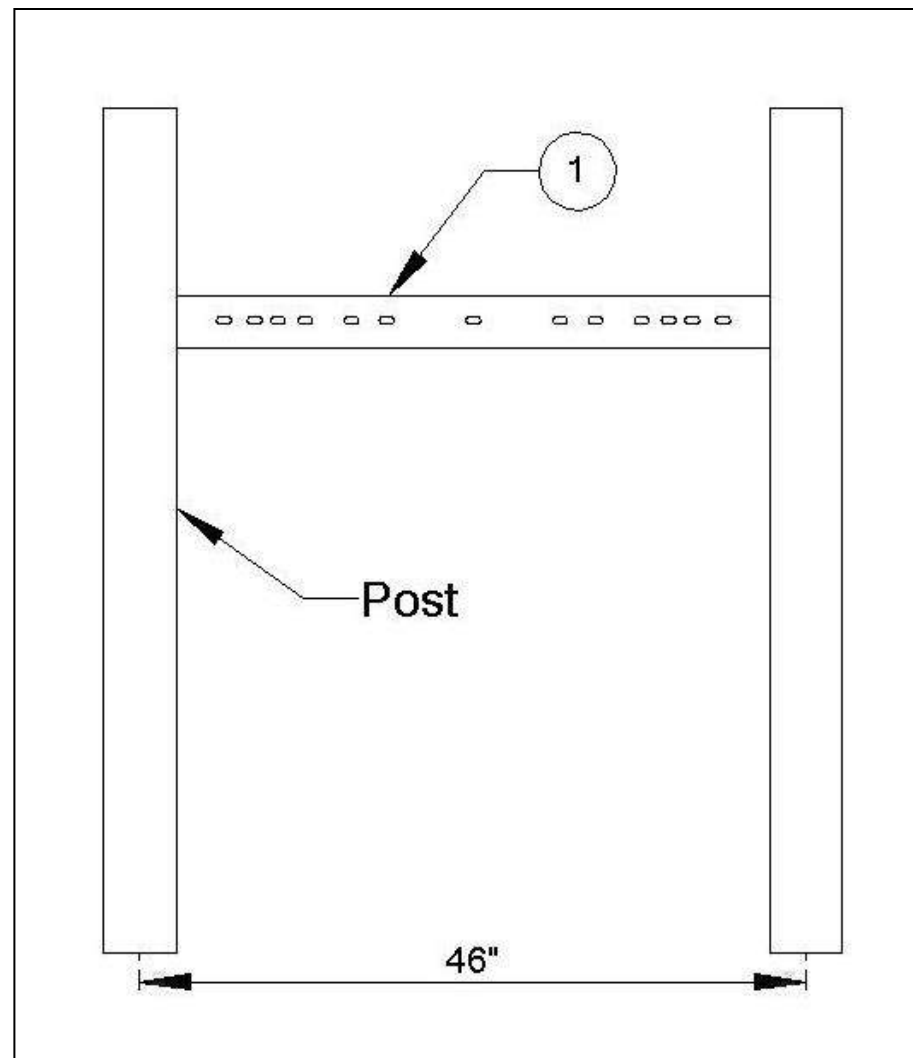


## 912-242 SQUARE DECK 46" INSTALLATION INSTRUCTION

### PARTS LIST

ID	PART #	DESCRIPTION	QTY
1	913-242	Square Deck 46"	1
2	126-707BPS	3/8"x1 1/2" Button Head Bolt	4
3	316-601	3/8" Flat Washer	4

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.









## 912-242 SQUARE DECK 46" INSTALLATION INSTRUCTION

### **SPECIFICATIONS**

- Deck-12 GA HRPO steel
- Hardware – Stainless steel & tamper resistant
- Paint – Electrostatically applied & oven cured thermoplastic powder coat

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- Should the factory installed nuts on the posts start spinning while trying to attach the decks, simply insert a flat head screw driver under the lip or the nut and tighten the bolt.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a level and blocking material.

### **INSTALLATION STEPS**

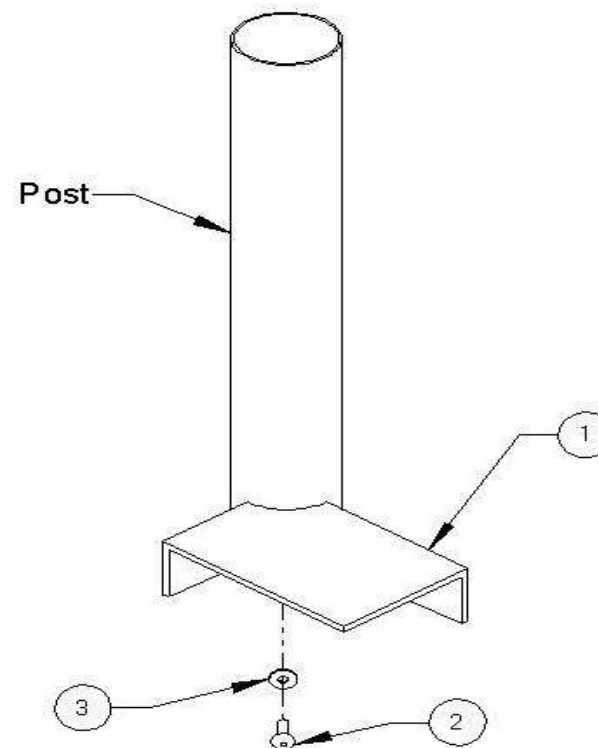
\_\_1) **Review all instructions before beginning**

\_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

\_\_3) **Locate placement of the Square Deck:** See top down view of your instruction booklet

\_\_4) **Attach Square deck to post:** Using one 3/8"x1 1/2" Button Head Bolt (2), with one 3/8" Flat Washer (3) installed on the bolt, inserts it through the factory punched slot in the Square deck. The bolt then threads into the factory installed nut in the post that the deck connects to. Repeat this step for all corners of the square deck.

\_\_5) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.





**INSTALLATION STEPS CONTINUED**

\_\_6) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

\_\_7) **inspect the components:** for sharp edges and if necessary file them down and apply touch up paint

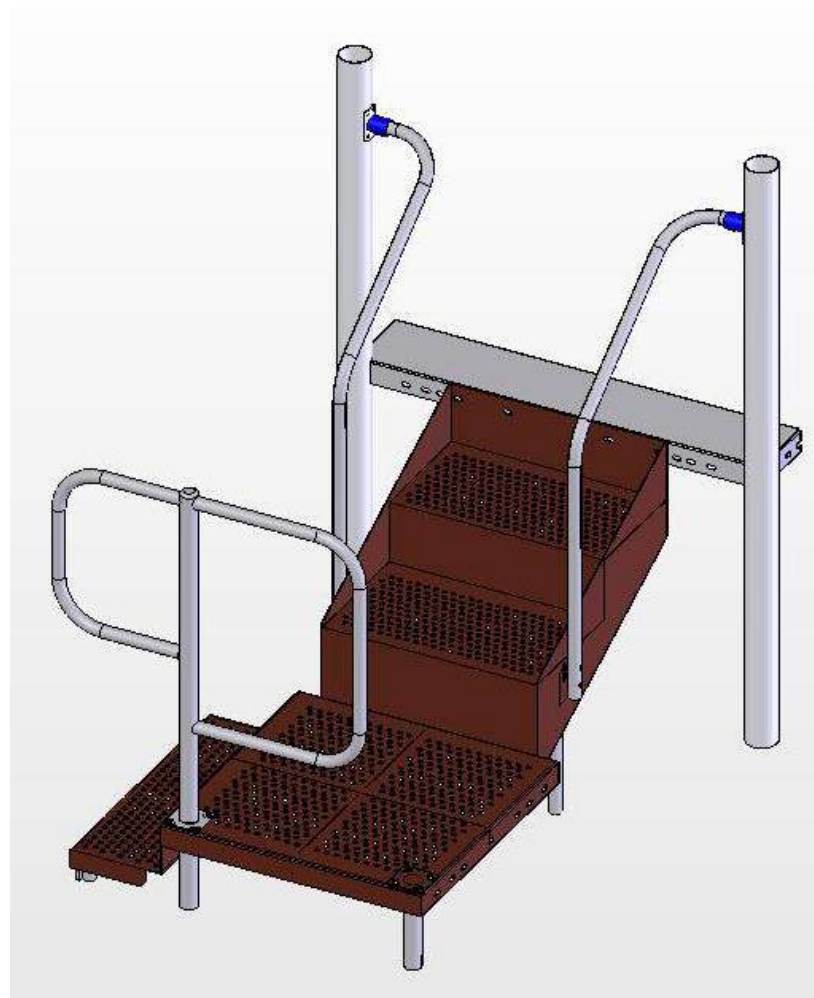
### **INSTALLATION DETAILS**

- Recommended crew (Adult): 2
- Installation time: **1.5 hr (3 man hrs)**
- User age: **2-12**
- Use zone: **72" from all edges of deck**
- Weight: **165 lbs**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

### **MAINTENANCE:**

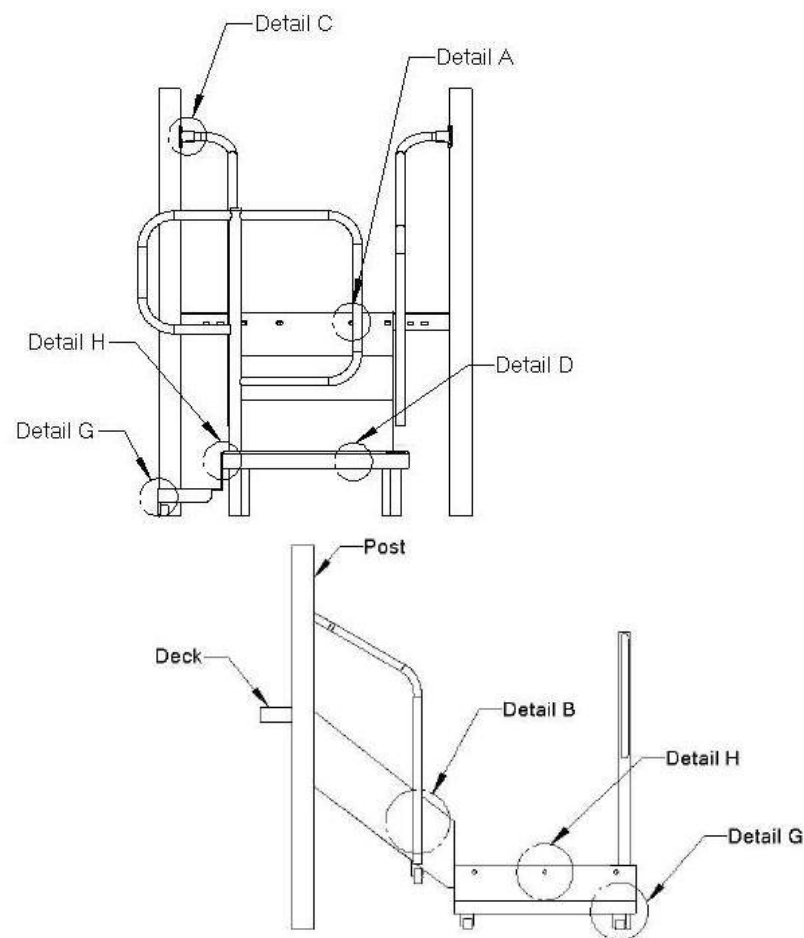
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



## PARTS LIST

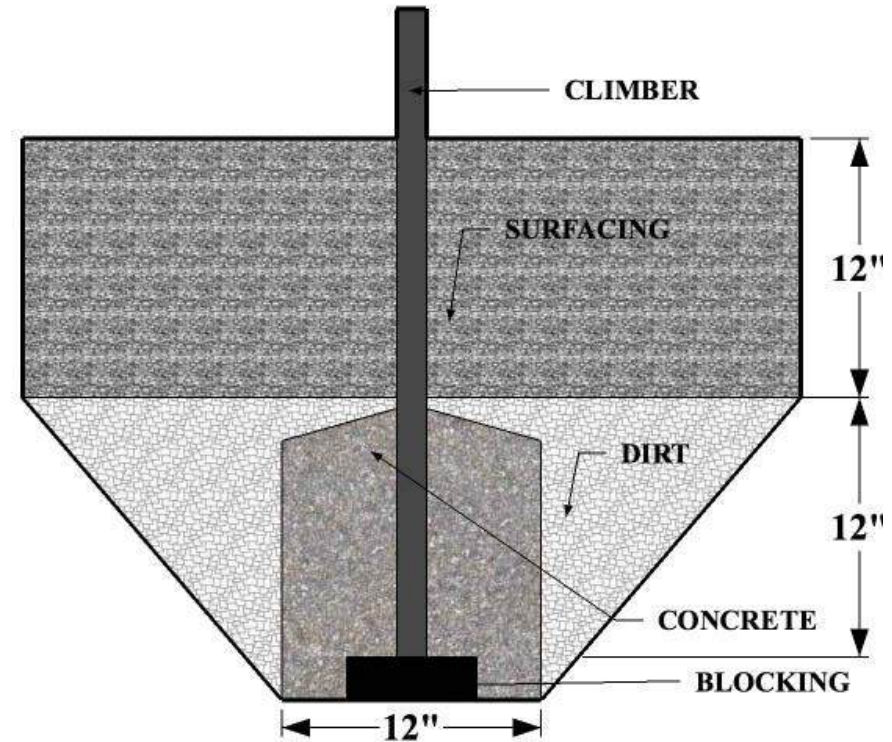
ID	PART #	DESCRIPTION	QTY
1	923-206	3' Transfer Station Stairs	1
2	923-211	Transfer Station Platform	1
3	923-210	Transfer Station Step	1
4	923-209	Transfer Station Cover Plate	1
5	923-208	Transfer Station Support Post	1
6	913-230	Transfer Point Inside Leg	4
7	913-426	Transfer Point Handhold Post	1
8	913-202	Transfer Point Handrail Left 3'	1
9	913-203	Transfer Point Handrail Right 3'	1
10	126-703	3/8"x1" Button Head Bolt	12
11	126-701bps	3/8"x 1 1/4" Button Head Bolt	10
12	316-601	3/8" Flat Washers	54
13	226-602	3/8" locknut	27
14	126-709bps	3/8"x 2 1/2" Button Head Bolt	4
15	913-402	Four Hole Attachment Bracket	2
16	905-208	Gasket for Attachment Bracket	2
17	905-526	Self Tapping Screw	8
18	106-807	3/8"x3/8" Set Screw	2
19	126-705	3/8" x 2" Button Head Bolt	2

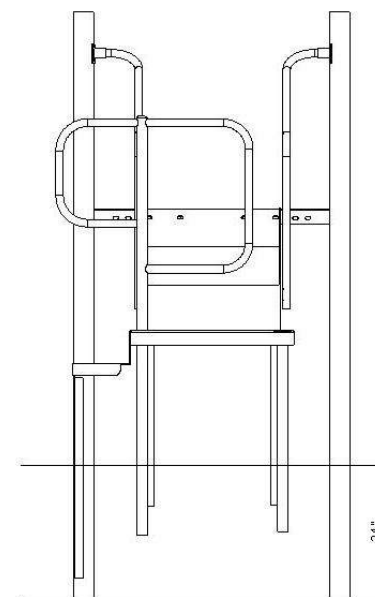
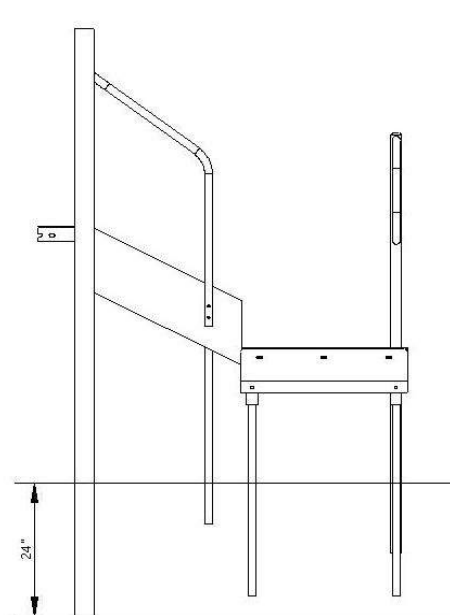
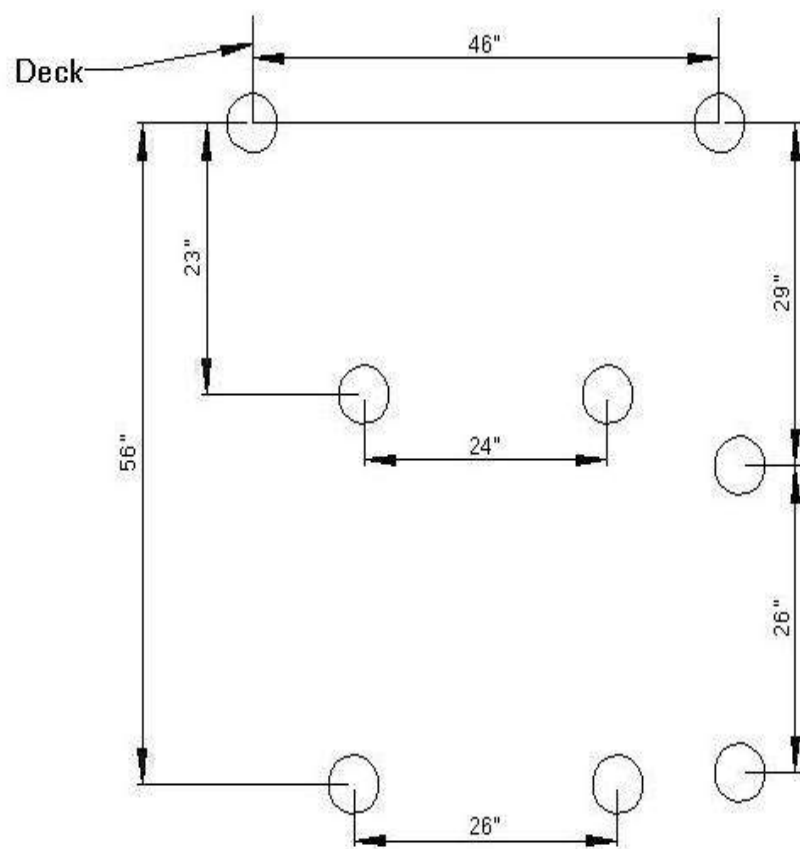
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



### FOOTING INFORMATION

- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you are using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.









### **SPECIFICATIONS**

- Deck and Steps-12 GA HRPO steel
- Deck & Step Coating – Electrostatically applied & oven cured thermoplastic powder coat.
- Tube – NEED SPECS
- Tube Paint – Electrostatically applied & oven cured powder coat
- Hardware – Stainless steel & tamper resistant
- Attachment Bracket – Powder coated cast aluminum

### **INSTALLATION TIPS & TROUBLE SHOOTING**

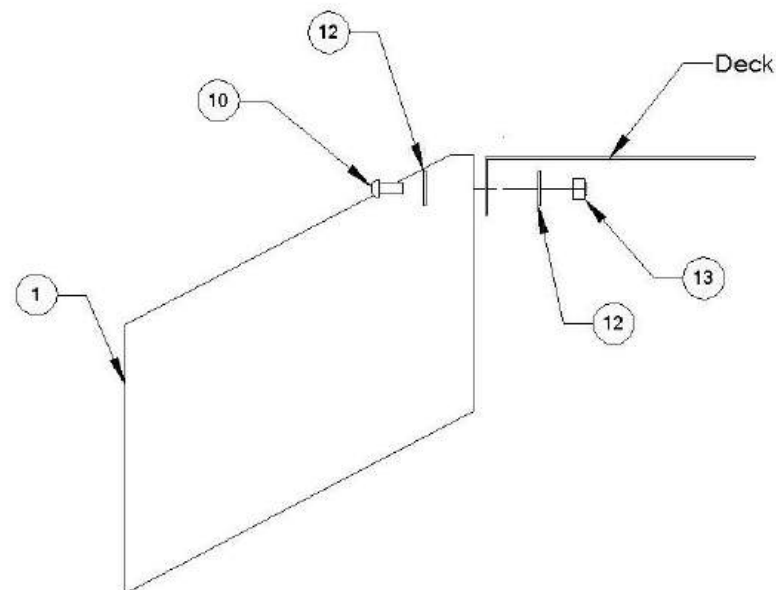
- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

## **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a level, blocking material, 9/16 wrench, shovel, tape measure and a post hole digger.

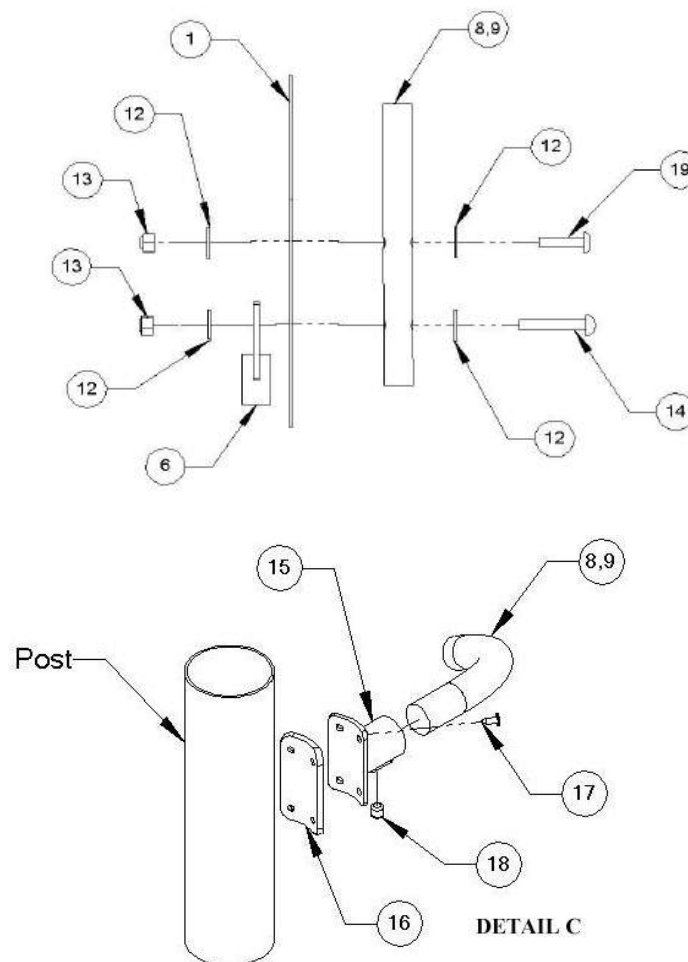
## **INSTALLATION STEPS**

- \_\_1) Review all instructions before beginning**
- \_\_2) Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Transfer Station:** See top down view at the beginning of your instruction booklet.
- \_\_4) Dig Footing Holes:** Refer to the Footing Diagram on page 4 of this instruction set.
- \_\_5) Install Transfer Station Stairs:** The Transfer Station Stairs (1) will connect using four 3/8"x 1 Button Head Bolts (10), eight 3/8" Flat Washers (12), and four 3/8" Locknuts (13). Place One 3/8" Flat Washer on to each of the four 3/8"x 1 Button Head Bolts. Insert the Bolt and Washer assembly through the top holes of the stairs, then through the factory punched hole in the deck that the Transfer Station installs to. (See detail A) Secure this with a 3/8" Flat Washer and Locknut. Do not tighten the Locknut until the stairs are level. Repeat these steps until all four bolts are installed in the stairs. After the bolts are installed, level and block the stairs. Now you can tighten the four bolts to secure the stairs.



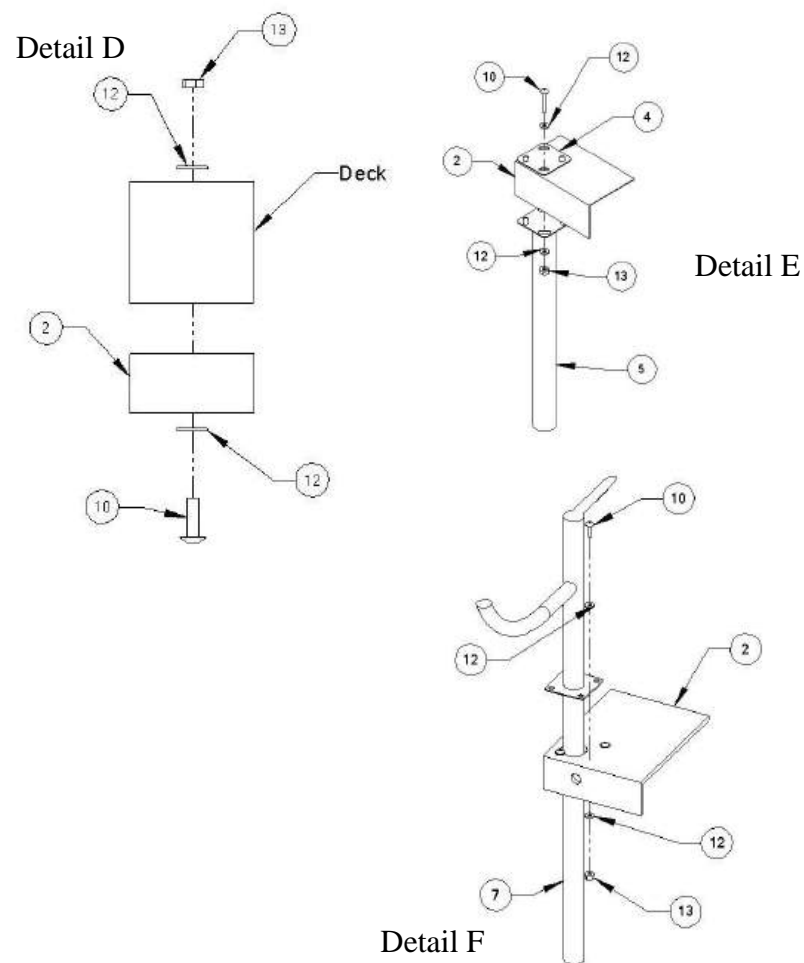
## INSTALLATION STEPS CONTINUED

**6) Install Handrails And Inside step Legs:** You will need both the Left (8) and Right (9) Handrails, two Inside Step Legs, four 3/8"x 2 1/2" Button Head Bolts, eight 3/8" Flat Washers, four 3/8" Locknuts, two Four Hole Attachment Brackets (15), two Gaskets for Attachment Brackets (16), eight Self tapping Screws (17), and two 3/8"x 3/8" Set screws. Place one 3/8" Flat Washer on to each of the 2 1/2" Button Head Bolts. Insert this through the bottom hole on the Handrail, then through the bottom hole in the side of the stair. Now place the step leg into the footing hole and onto the 3/8"x 2 1/2" Button Head Bolt, the flat side of the inside step leg should touch the inside of the Transfer Station Stairs. Secure this with a second 3/8" Flat Washer and 3/8" Locknut. (See detail B) Install a second 3/8"x 2" Button Head Bolt and 3/8" Flat washer into the top hole of the Handrail. Place one of the Four Hole Attachment Brackets on the bent end of the Handrail and mark the holes on the post that it connects to. Drill the holes and install the Four Hole Attachment Bracket to the post. With the hole in the Four Hole Attachment Bracket facing the ground, attach it to the post using four Self tapping Screws, the Attachment Bracket Gasket will install between the Bracket and the post. Now you need to install the 3/8" x 3/8" set screw into the threaded insert in the Four Hole Attachment bracket to secure the Handrail to the post. (See detail C) Repeat this for the other handrail.



## INSTALLATION STEPS CONTINUED

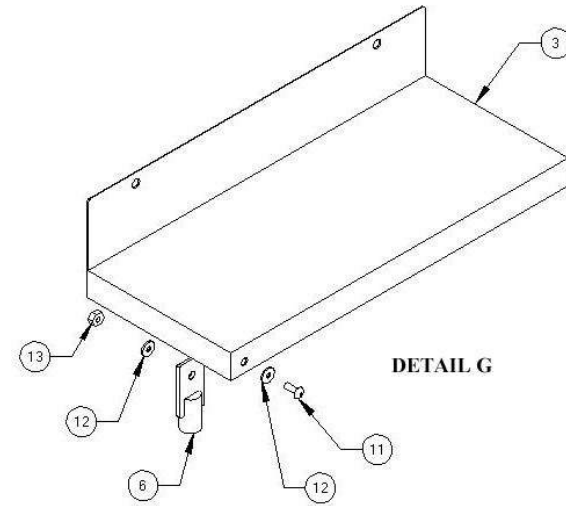
**7) Install Transfer Station Platform:** This will install to the bottom part of the Transfer Station Stairs. To do this you will need the Transfer Station Platform (2), Transfer Station Cover Plate (4), Transfer Station Support Post (5), Transfer Point Handhold Post (7), four 3/8" x 1" Button Head Bolts (10), eight 3/8" x 1 1/4" Button Head Bolts (11), twenty Four 3/8" Flat washers (12), and twelve 3/8" Locknuts. First start by placing a 3/8" Flat Washer onto each of the 3/8" bolts. Now you can attach the transfer Station Platform to the Transfer Station Stairs. Insert one of the 3/8" x 1" Button Head Bolts into one of the factory punched holes in the Transfer Station Platform. Now you can place the bolt through the Transfer Station Stairs and secure it with a 3/8" Flat Washer and 3/8" Locknut. (See detail D) Do not tighten these bolts until the deck has been leveled. Next place the Transfer Station Support Post into the footing hole opposite of the desired location of the Transfer Station Step. Place one 3/8" Flat Washer onto each of the 3/8" x 1" Button Head Bolts and insert them into the Transfer Station Cover Plate through the Transfer Station Platform and Transfer Station support post, then secure the four 3/8" x 1" Button Head Bolts with a 3/8" Flat Washer and 3/8" Locknut on each bolt. (See detail E) Now you will need the Transfer Station Handhold Post. It will drop through the transfer Station Platform and into the footing Hole. Use the remaining four 3/8" x 1" Button Head Bolts, 3/8" Flat Washers, and 3/8" Locknuts to secure it to the Transfer Station Platform. (See detail F)



### **INSTALLATION STEPS CONTINUED**

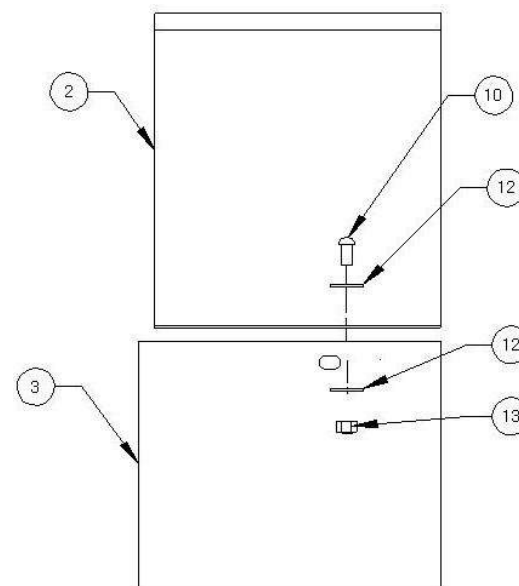
**\_\_8) Install the Transfer Station Step:** To complete this step you will need the Transfer Station step (3), two Transfer Point Inside Legs (6), three 3/8"x 1" Button Head Bolts (10), two 3/8"x 1 1/4" Button Head Bolts (11), ten 3/8" Flat Washers, and five 3/8" Locknuts. First install the Transfer Point Inside Legs to the Transfer Station step. Using a 3/8" x 1 1/4" Button Head bolt with a 3/8" Flat Washer on each insert them through the Transfer Station Step. Place the flat side of the Transfer Point Inside Leg against the Transfer Station step and secure them with a 3/8" Flat Washer and a 3/8" Locknut. (See detail G) Place the Transfer Point Inside legs into their footing holes, then you need to place one 3/8" Flat Washer onto each of the three 3/8" x 1" Button Head Bolts, insert this assembly through the top of the Transfer Station Step and into the factory punched hole in the Transfer Station Platform. Secure the Transfer Station Step to the transfer Station Platform with a 3/8" Flat Washer and a 3/8" Locknut. (See detail H) Level the Transfer Station Platform and Transfer Station Step before you tighten the bolts.

**\_\_9)** Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.



\_\_10) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

\_\_11) Inspect **the components**: for sharp edges and if necessary file them down and apply touch up paint.





## 922-135 3' TRANSFER STATION INSTALLATION INSTRUCTION

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#### **INSTALLATION DETAILS**

- Recommended crew (Adult): **1**
- Installation time: **15 min (.25 man hr)**
- User age: **2-12 Years**
- Use zone: **NA**
- Weight: **10 lbs**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed, and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.







May 1, 2014



## 922-187 KICKPLATE STD. 12" RISE INSTALLATION INSTRUCTION

### SPECIFICATIONS

- **Deck**-12 GA HRPO steel
- **Hardware** – Stainless steel & tamper resistant
- **Paint** – Electrostatically applied thermoplastic powder coat

### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

- Any opening must either be less than 3 ½" or more than 9" to eliminate any possible head or neck entrapment.

### INSTALLATION TIPS & TROUBLE SHOOTING

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a 7/32 Socket Key.

### **INSTALLATION STEPS**

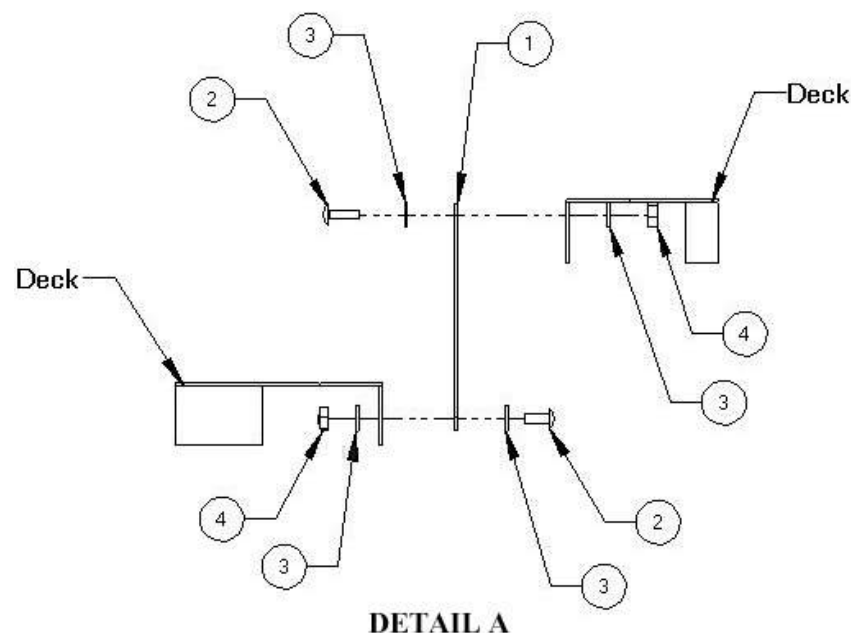
\_\_1) **Review all instructions before beginning**

\_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

\_\_3) **Locate placement of the Kick plate:** See top down view of your instruction booklet

\_\_4) **Attach Kick plate to Deck:** Using one 3/8" x 1" Button Head Bolt (2), with one 3/8" Flat Washer (3) installed on it, place it into the factory punched hole in the Kick Plate. Next place the Kick plate against outside edge of the deck that it installs to and secure it with one 3/8" Flat Washer (3) and one 3/8" locknut (4) on the backside of the deck. Do not tighten Lock Nuts until all bolts are installed. Repeat this step eight times. (See detail A)

\_\_8) **Inspect the components** for sharp edges.



#### **INSTALLATION DETAILS**

- Recommended crew (Adult): 2
- Installation time: **30 min (2 man hr)**
- User age: **2-12 years**
- Use zone: **72 in. in front of climber**  
**72 in to right and left of climber**
- Weight: **92 lbs**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

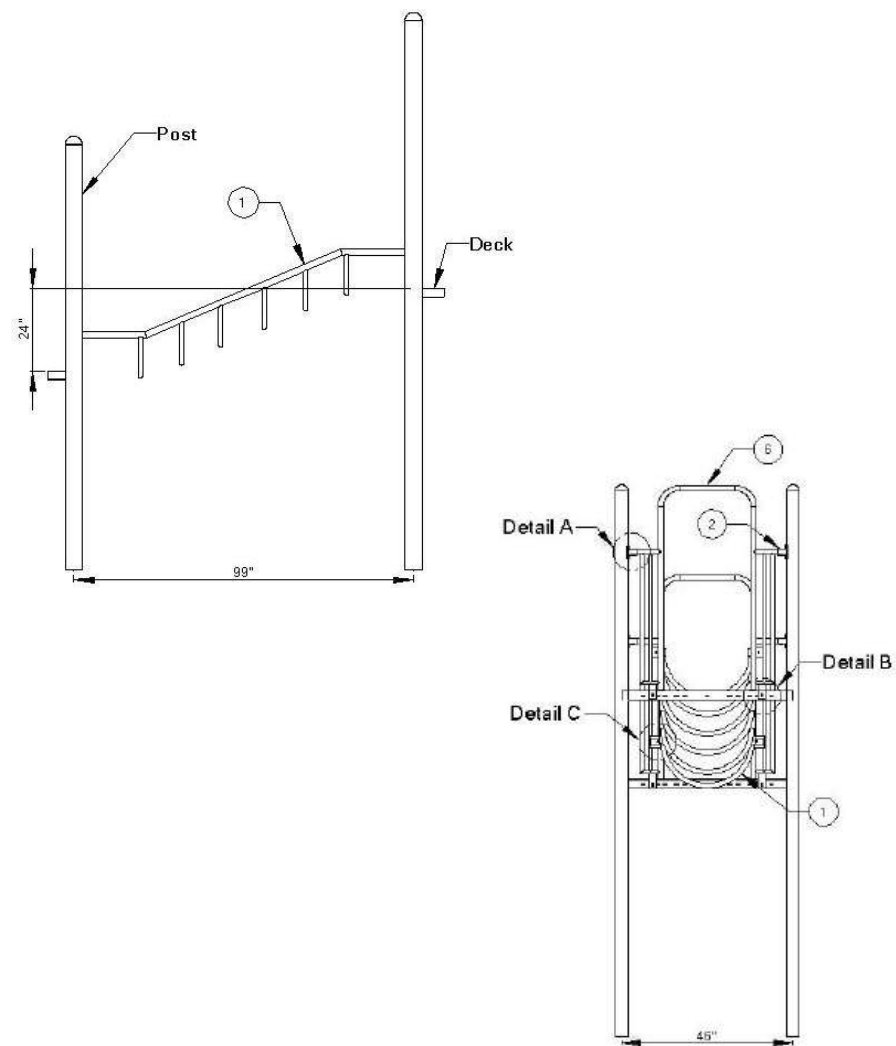
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



## PARTS LIST

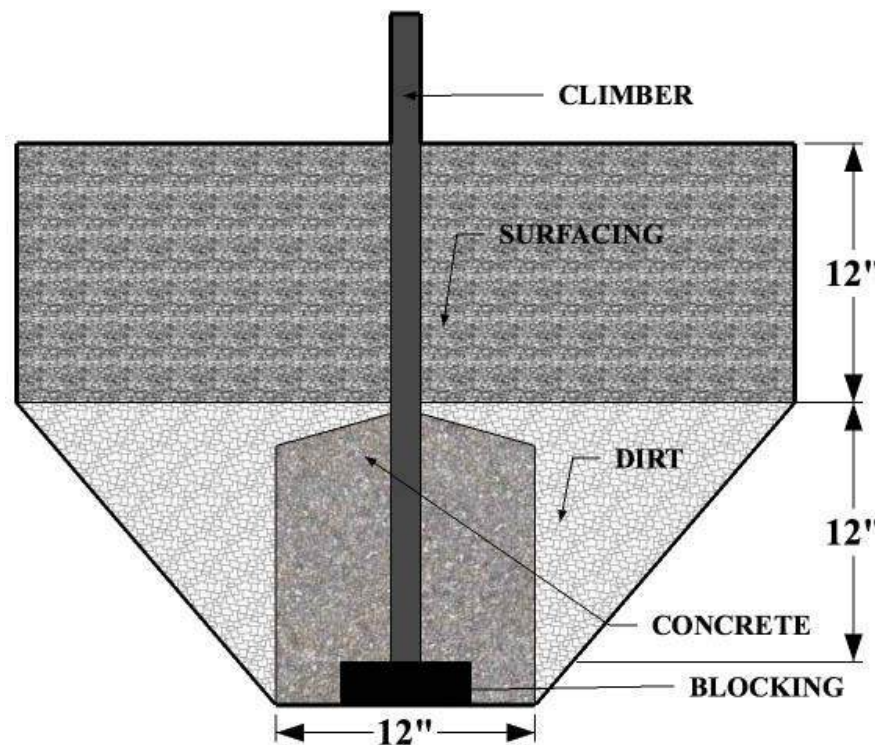
ID	PART #	DESCRIPTION	QTY
1	903-304	Inclined Half Circle Climber Bridge	1
2	913-402	Four-Hole Attachment Bracket	4
3	905-208	Attachment Bracket Gasket	4
4	905-526	Self-Tapping Screw	16
5	196-807	3/8" x 3/8" Set Screw	4
6	923-150	Arch Entry for Inclined Bridge	2
7	126-703	3/8" x 1" Button Pin SS	4
8	226-602	3/8" Nylon Insert Lock Nut SS	4
9	316-601	3/8" Flat Washer	12
10	126-701BPS	3/8" x 1 1/4" Button Pin SS	4

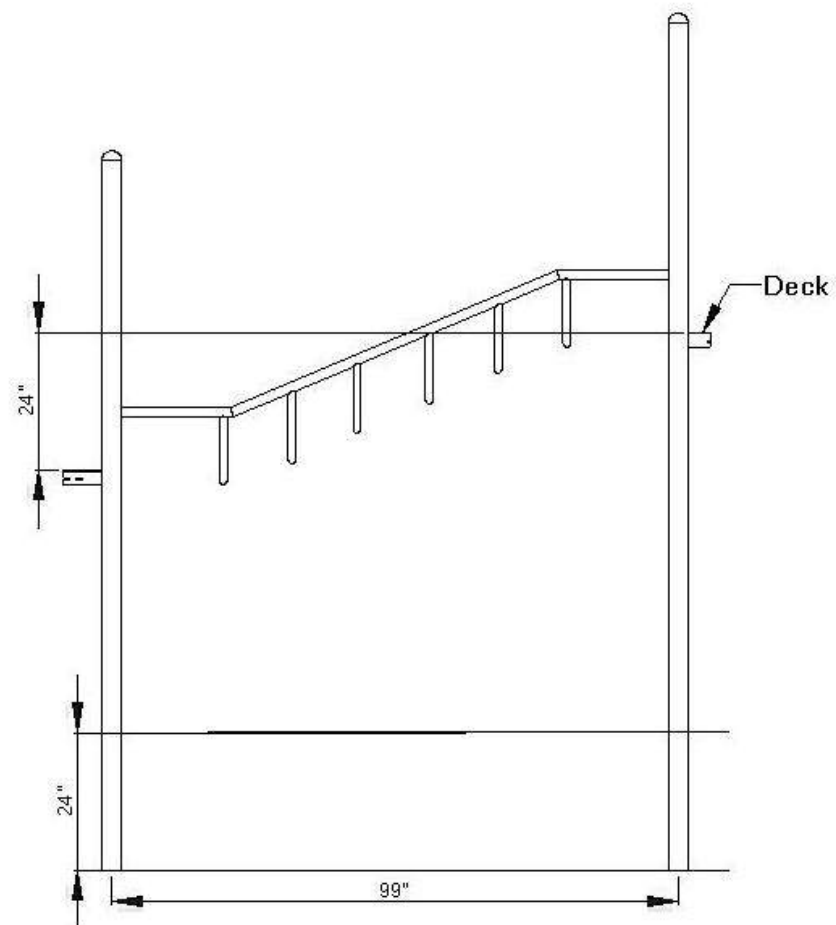
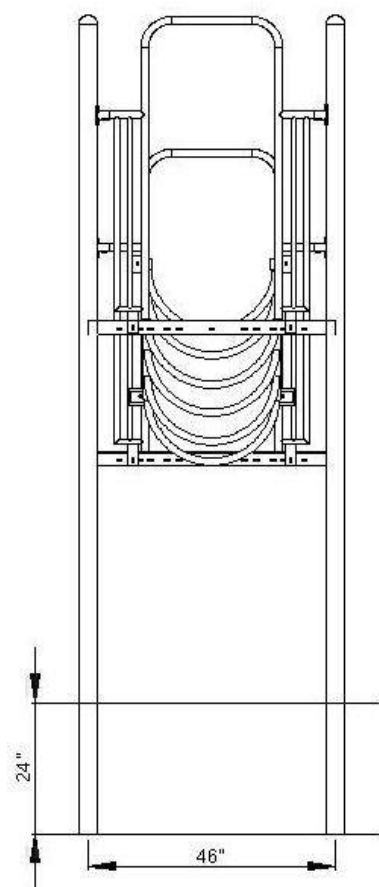
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



### FOOTING INFORMATION

- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you are using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.







## 922-150 INCLINED HALF CIRCLE CLIMBER INSTALLATION INSTRUCTION

### **SPECIFICATIONS**

- Paint – Electrostatically applied & oven cured powder coat
- Hardware – Stainless steel & tamper resistant
- Tube – FloCoat® Galvanized 1 3/8" OD and 1" OD.
- Attachment Bracket – Powder coated cast aluminum
- Inclined Half Circle Climber-1 7/8" Tube with 1 3/8" rungs welded together.
- Arch Entry for Inclined Bridge.

### **SPECIAL SAFETY & ASTM COMPLIANCE NOTES**

- Any opening must either be less than 3 1/2" or more than 9" to eliminate any possible head or neck entrapment.

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.



### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a post hole digger or shovel, drill with a #7 bit, level, tape measure, dry erase marker and blocking material.

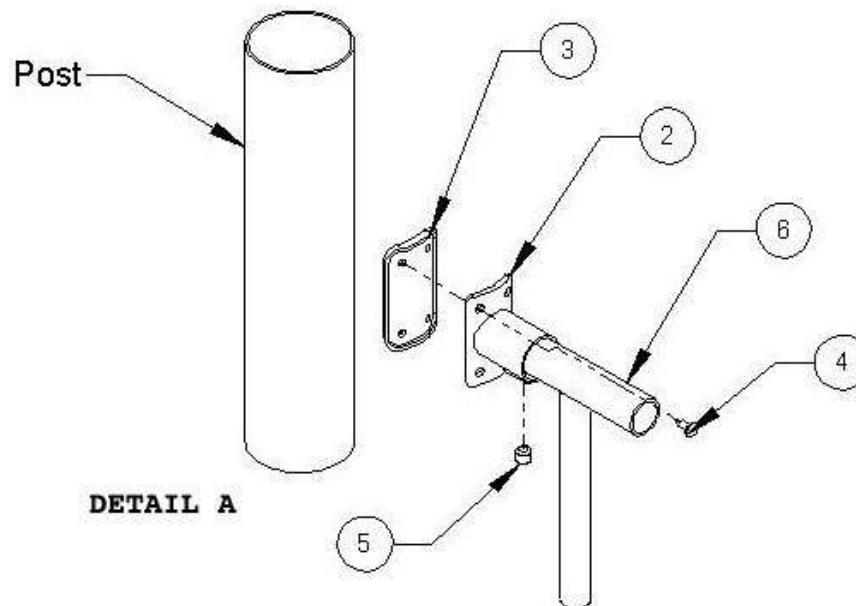
### **INSTALLATION STEPS**

\_\_1) **Review all instructions before beginning**

\_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

\_\_3) **Locate placement of the Inclined Half Circle Climber:** See top down view of your instruction booklet

\_\_4) **Layout holes to attach the Inclined Half Circle Climber:** You will need the Inclined Half Circle Climber (6) and 4 Four Hole-Attachment Brackets (2). Place one Four Hole-Attachment Bracket on each of the stubs of the Arch Entry, next you will need to slide the assembly between the posts that the Arch Entry for Inclined Bridge attaches to. The height of the Four Hole-Attachment Bracket is determined by the bolting of the tab at the bottom of the Arch Entry to the Square deck. (See Detail A) Have your helper mark the all of the holes in the Four Hole-Attachment Brackets with the dry erase marker.



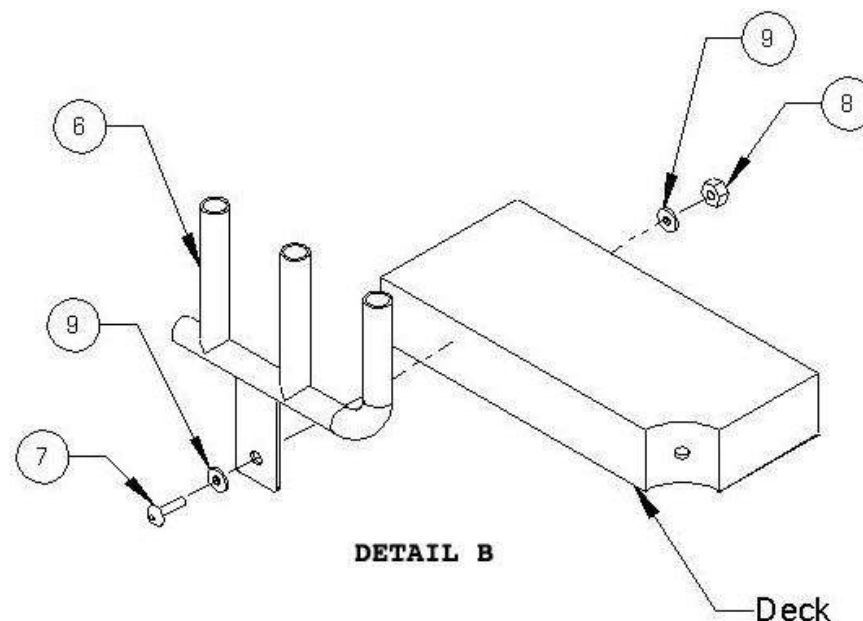
### **INSTALLATION STEPS CONTINUED**

\_\_5) **Install the Four Hole Brackets:** Install the Self-Tapping Screws (4) into the holes you have drilled in the posts with the Attachment Bracket Gasket (3) between the post and Four- Hole Attachment Bracket. Making sure the threaded hole is facing the ground. (See detail B)

\_\_6) **Repeat this step for the other Arch Entry on the adjacent square deck.**

\_\_7) **Installing the Inclined Bridge:** When you have completed the installation of the two Arch Entry for the Inclined bridge you will then install the inclined bridge itself. To do so have four of your 3/8" x 1 1/4" Button Pin Bolts (10) with four 3/8" flat washers (9) out and ready. With the help of your partner lift the Inclined Bridge up to line it up with the bracket on the Arch Entries. When properly aligned bolt your Inclined Bridge To both Arch Entries using the supplied 1 1/4" button head bolts and 3/8" flat washers. (See Detail C)

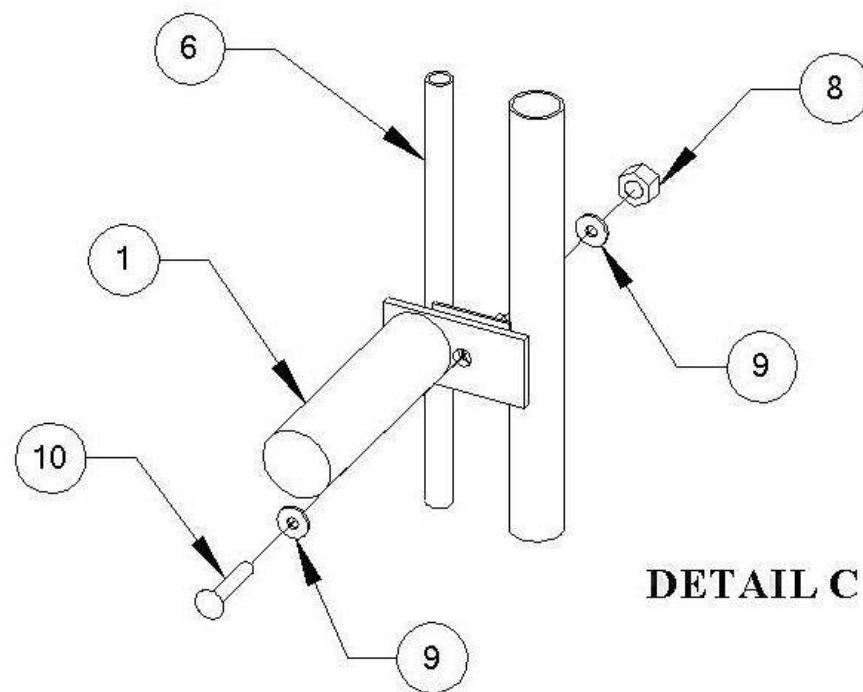
\_\_8) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.



### INSTALLATION STEPS CONTINUED

\_\_9) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.

\_\_10) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris, and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing





## 922-150 INCLINED HALF CIRCLE CLIMBER INSTALLATION INSTRUCTION

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#### **INSTALLATION DETAILS**

- Recommended crew (Adult): 3
- Installation time: **30 min (1.5 man hrs)**
- User age: **2-12** refer to the ASTM compliance notes for **proper installation heights.**
- Use zone: **72" in all directions**
- Weight: **64 lbs**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

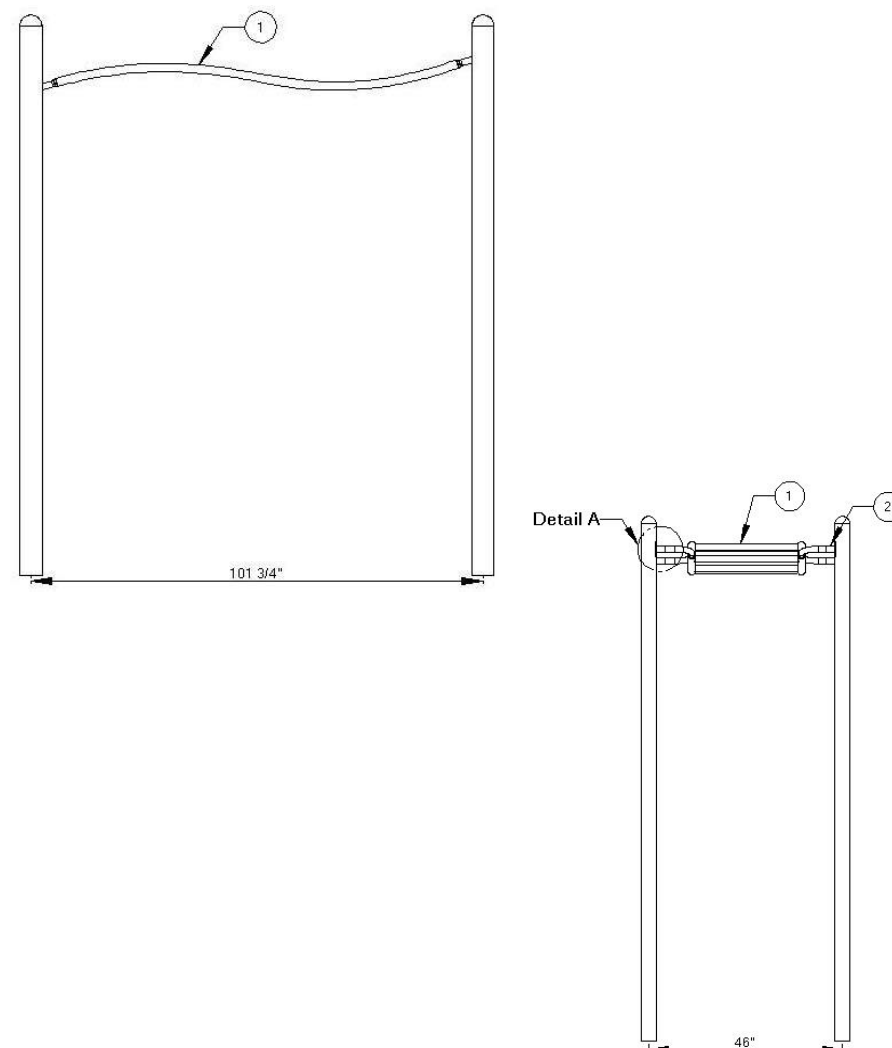
- As the owner of the playground, you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed, and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and enough surfacing are in place in accordance with ASTM and CPSC standards.



### PARTS LIST

ID	PART #	DESCRIPTION	QTY
1	923-109	Wavy Horizontal Ladder	1
2	913-402	Four-Hole Attachment Bracket	4
3	905-208	Attachment Bracket Gasket	4
4	905-526	Self-Tapping Screw	16
5	196-807	3/8"x3/8" Set Screw	4

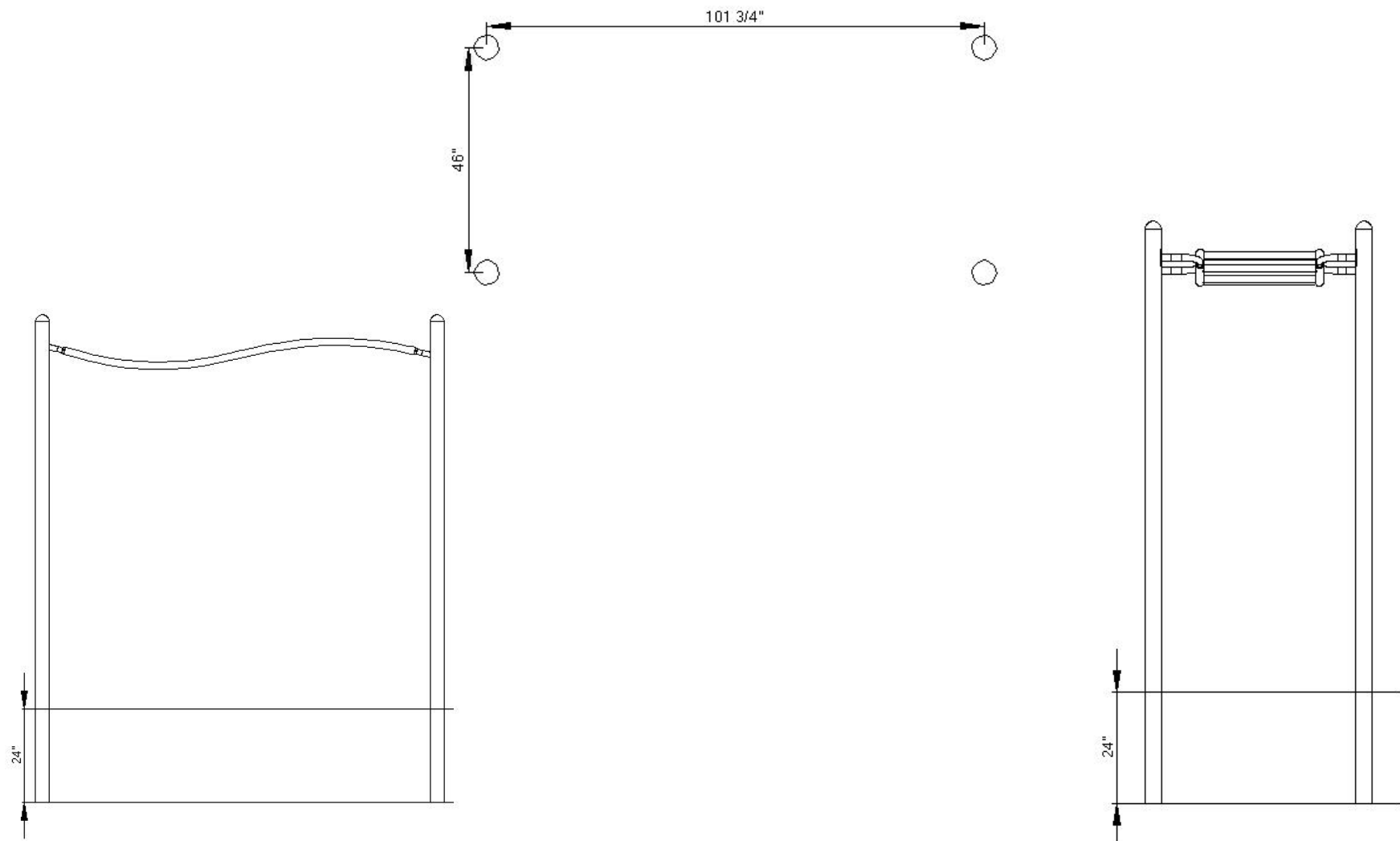
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.





**FOOTING INFORMATION**

- **REVIEW TO FOOTING LAYOUT AND DETAILS IN THE FOOTING SECTION AT THE BEGINNING OF THE INSTRUCTION BOOK FOR THIS CLIMBER**
- If the Play structure is installed on an unlevel grade, you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post, you must dig your footing hole 1" deeper.
- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood, or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations, and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case, you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.







## 922-109 WAVY HORIZONTAL LADDER INSTALLATION INSTRUCTION

### SPECIFICATIONS

- **Tube** – FloCoat® Galvanized 1 7/8” O.D. and 1 3/8” O.D.
- **Hardware** – Stainless steel & tamper resistant
- **Paint** – Electrostatically applied & oven cured powder coat
- **Attachment Bracket** – Powder coated cast aluminum
- **Wavy Horizontal ladder**-1 7/8” O.D. tube rails with 1 3/8” O.D. tube rungs MIG welded together

### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

**The maximum height of upper body devices for use by 2 through 5-year-olds shall be no greater than 60 in. (1524mm), measured from the center of the grasping device to the top of the protective surfacing below. The maximum height of upper body devices for use by 5 through 12-year-olds shall be no greater than 84 in. (2130 mm). Upper body equipment intended for users in wheelchairs shall have grasping devices no greater than 54 in. (1370 mm) above the accessible surface**

### INSTALLATION TIPS & TROUBLE SHOOTING

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a level and a dry erase marker.

### **INSTALLATION STEPS**

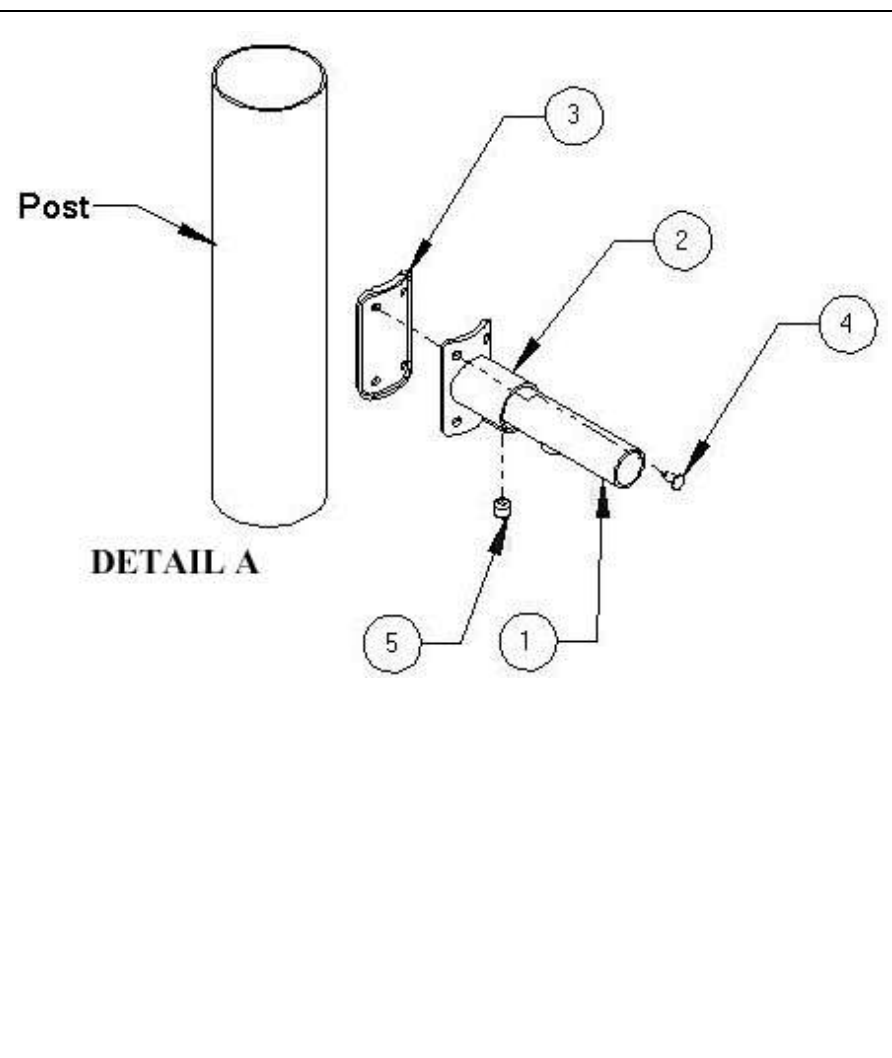
**\_\_1) Review all instructions before beginning:**

**\_\_2) Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

**\_\_3) Locate placement of the Wavy Horizontal ladder:** See top down view of your instruction booklet

**\_\_4) Mark posts for location of Four-Hole Brackets:** After you have the proper location, layout the measurements for the Four-Hole Brackets. To do this you must determine the age group of your playground, 2 through 5-year-olds shall be no greater than 60 in. (1524mm), and 5 through 12-year-olds shall be no greater than 84 in. (2130 mm) to the center of the first rung on the Wavy Horizontal Ladder. Once you determined the proper placing of the Four-Hole Brackets mark and drill the holes for the Four-Hole Brackets on one end of the Wavy Horizontal ladder (see detail A).

**\_\_5) Install first end:** With help lift the end of the Wavy Horizontal Ladder that you predrilled in the previous step and install the Four-Hole brackets with the threaded hole facing the ground, and the Attachment Bracket Gasket (3) between the bracket and the post. (See detail A).





## 922-109 WAVY HORIZONTAL LADDER INSTALLATION INSTRUCTION

### **INSTALLATION STEPS CONTINUE**

#### **\_\_6) Install the second end of the Wavy Horizontal Ladder:**

With help lift the other end of the Wavy Horizontal Ladder into place making sure that it is level and install the remaining two Four-Hole Brackets with the threaded hole facing down, and the Attachment Bracket Gasket (3) between the bracket and the post.(see detail A)

**\_\_7) Secure Wavy Horizontal Ladder:** Using the 3/8" x 3/8" (5) set screw insert it into the threaded hole in the Four-Hole Bracket and secure the Wavy Horizontal Ladder to the posts.

**\_\_8)** Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.

**\_\_9) Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

**\_\_10) Inspect the components:** for sharp edges and if necessary, file them down and apply touch up paint



## 922-109 WAVY HORIZONTAL LADDER INSTALLATION INSTRUCTION

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### **INSTALLATION DETAILS**

- Recommended crew (Adult): 3
- Installation time: **1 hr (3 man hrs)**
- User age: **2-12**
- Use zone: **72" from each side**
- Weight: **325**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

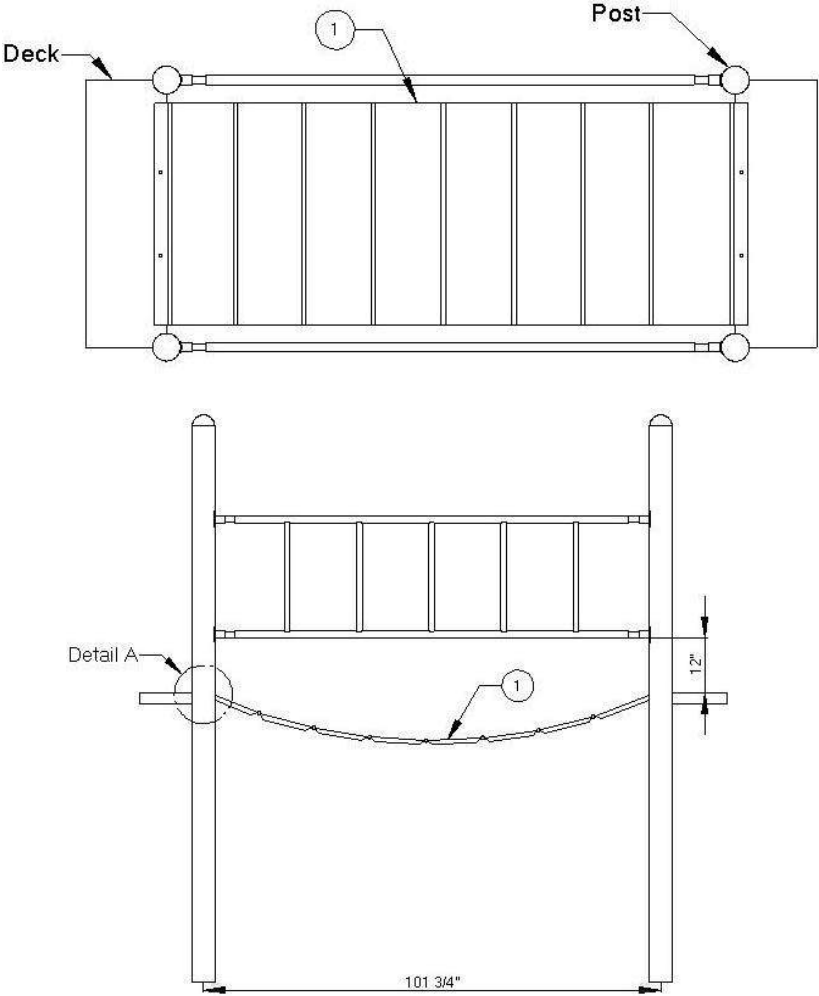


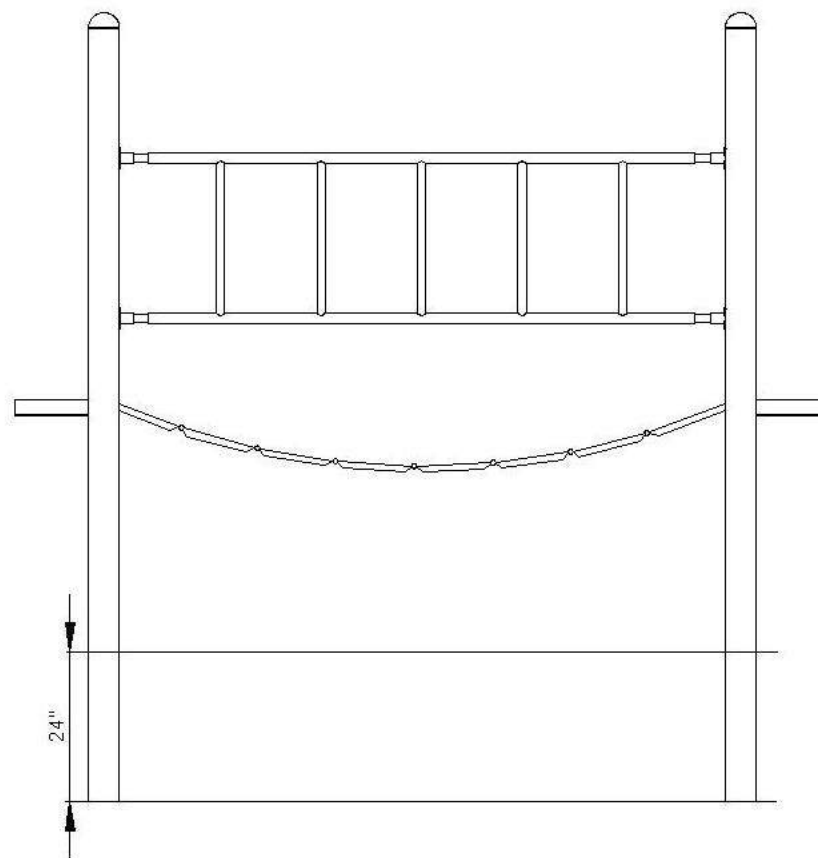
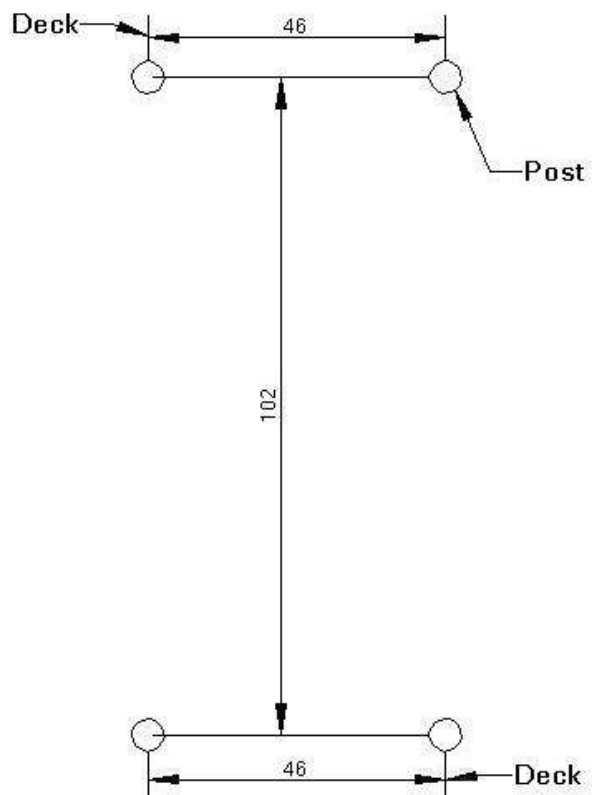


## PARTS LIST

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**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.







## 922-162 SWINGING BRIDGE INSTALLATION INSTRUCTION

### **SPECIFICATIONS**

- Deck-12 GA HRPO steel
- Hardware – Stainless steel & tamper resistant
- Paint – Electrostatically applied & oven cured thermoplastic powder coat

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply loctite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.





### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a pair of saw horses, 2) 2x4's 10' long, 9/16" wrench, and a long center punch or 3/8" steel rod. If touch up paint is required then you will also need a metal spoon, sandpaper, and a small propane torch.

### **INSTALLATION STEPS**

\_\_1) **Review all instructions before beginning**

\_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

\_\_3) **Locate placement of the Swinging Bridge:** See top down view of your instruction booklet.

\_\_4) **Set swinging bridge in place:** After you have located the placement of the Swinging Bridge and installed the square decks that it attaches to you will need to place the saw horses roughly 2' from each of the Square Decks and 1' lower than the Square Decks.

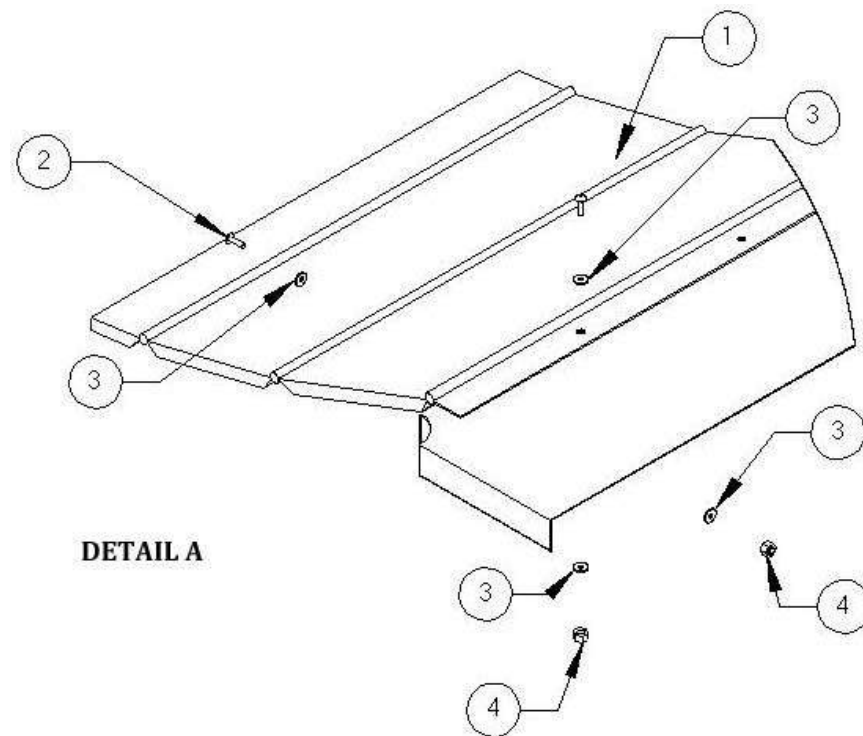
**Be extremely careful when moving the Swinging Bridge, during installation the bent lip on the side of the bridge could pinch.**

**This will not be a problem after installation.** Lay the 2x4's on the saw horses, then carefully lift the swinging Bridge up and set it on the saw horses with the lip on the side of the bridge pointing to the ground.

## INSTALLATION STEPS CONTINUED

**5) Bolt the Swinging Bridge to the first deck:** Now that the bridge is in place you will need the eight 3/8" x 1 1/4" bolts (2), sixteen 3/8" Flat Washers (3), and the eight 3/8" Lock Nuts (4). First you will need to place one 3/8" Flat Washer on to each of the 3/8" x 1 1/4" bolts. Next you can place the end of the Swinging Bridge up to the deck and insert the 3/8" x 1 1/4" bolts through the hole in the Swinging Bridge and the hole on the Square Deck, secure it with a 3/8" Flat Washer and 3/8" Lock Nut on the underside of the Square Deck. (See detail A) Repeat this until you have the four bolts in the first side of the Swinging Bridge.

**6) Install the second end of the Swinging Bridge:** The second end of the Swinging Bridge will install the same as the first end did. Depending on the height of your saw horses you may need the center punch or the 3/8" steel rod to help you line up the holes on this end on the Swinging Bridge. Install the four bolts through the Swinging Bridge and into the Square Deck in the same manner you did on the first end of the swinging Bridge.





## 922-162 SWINGING BRIDGE INSTALLATION INSTRUCTION

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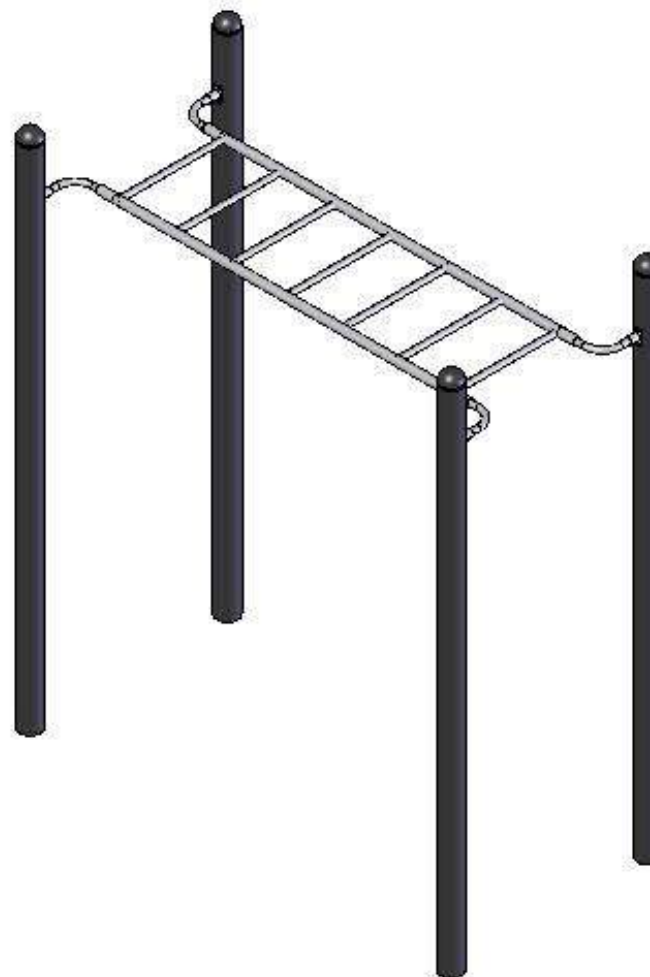
#### **INSTALLATION DETAILS**

- Recommended crew (Adult): **3**
- Installation time: **30 min (1.5 man hrs)**
- User age: **2-12** refer to the ASTM compliance notes for **proper installation heights**
- Use zone: **72" in all directions**
- Weight: **58 lbs**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

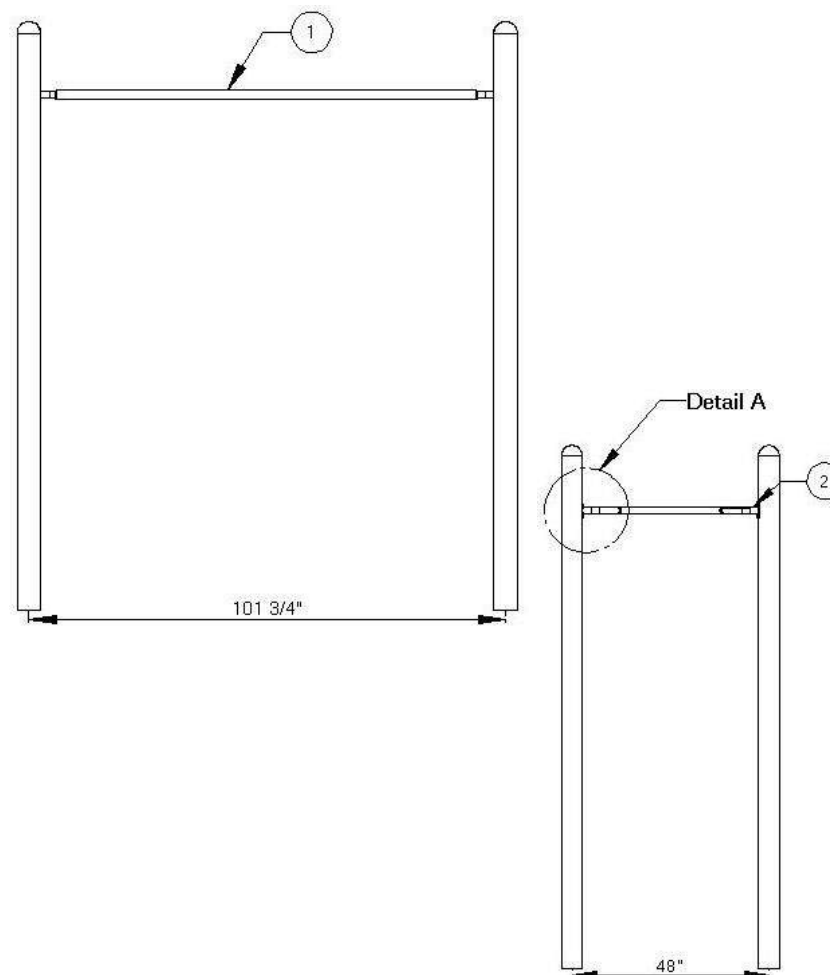


## 922-105 STRAIGHT HORIZONTAL LADDER INSTALLATION INSTRUCTION

## PARTS LIST

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**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.





## 922-105 STRAIGHT HORIZONTAL LADDER INSTALLATION INSTRUCTION

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### FOOTING INFORMATION

- Unit assembles on a standard playground post. Review the post instructions associated with this unit as well as the top down drawing for proper placement.
- Footing layout for this component is located on page 4 of this instruction set.





## 922-105 STRAIGHT HORIZONTAL LADDER INSTALLATION INSTRUCTION

### SPECIFICATIONS

- Tube – FloCoat® Galvanized 1 7/8” O.D. and 1 3/8” O.D.
- Hardware – Stainless steel & tamper resistant
- Paint – Electrostatically applied & oven cured powder coat
- Attachment Bracket – Powder coated cast aluminum
- Straight Horizontal ladder-1 7/8” O.D. tube rails with 1 3/8” O.D. tube rungs MIG welded together

### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

**The maximum height of upper body devices for use by 2 through 5-year-olds shall be no greater than 60 in. (1524mm), measured from the center of the grasping device to the top of the protective surfacing below.**

**The maximum height of upper body devices for use by 5 through 12-year-olds shall be no greater than 84 in. (2130 mm).**

**Upper body equipment intended for users in wheelchairs shall have grasping devices no greater than 54 in. (1370 mm) above the accessible surface**

### INSTALLATION TIPS & TROUBLE SHOOTING

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

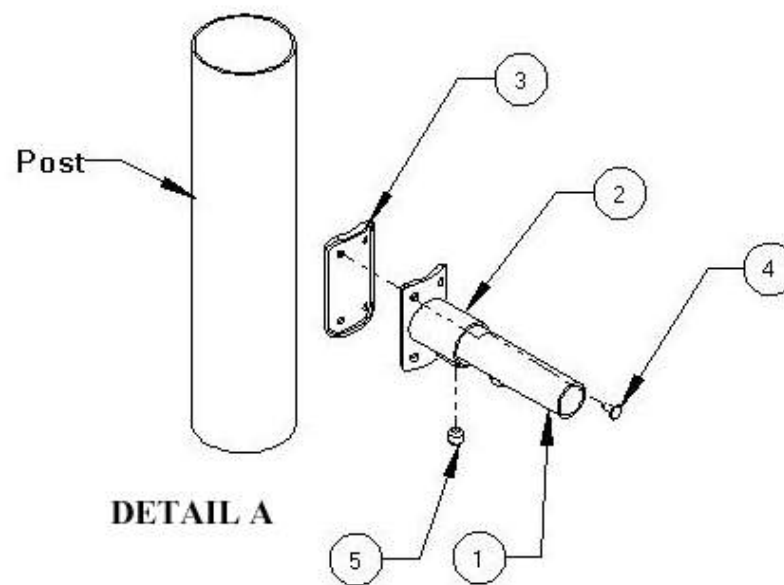


### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a level and a dry erase marker.

### **INSTALLATION STEPS**

- \_\_1) Review all instructions before beginning:**
- \_\_2) Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Straight Horizontal ladder:** See top down view of your instruction booklet
- \_\_4) Mark posts for location of Four-Hole Brackets:** After you have the proper location, layout the measurements for the Four-Hole Brackets. To do this you must determine the age group of your playground, 2 through 5-year-olds shall be no greater than 60 in. (1524mm), and 5 through 12-year-olds shall be no greater than 84 in. (2130 mm) to the center of the rung of the Straight Horizontal Ladder. Once you determined the proper placing of the Four-Hole Brackets mark and drill the holes for the Four-Hole Brackets on one the posts at one end of the Straight Horizontal ladder (see detail A)
- \_\_5) Install first end:** With help lift the end of the Straight Horizontal Ladder that you predrilled in the previous step, and install the Four-Hole brackets with the threaded hole facing the ground, and the Attachment Bracket Gasket (3) between the bracket





## 922-105 STRAIGHT HORIZONTAL LADDER INSTALLATION INSTRUCTION

### **INSTALLATION STEPS CONTIUDE**

#### **\_\_6) Install the second end of the Straight Horizontal Ladder:**

With help lift the other end of the Straight Horizontal Ladder into place making sure that it is level and install the remaining two Four-Hole Brackets with the threaded hole facing down, and the Attachment Bracket Gasket (3) between the bracket and the post.(see detail A)

**\_\_7) Secure Straight Horizontal Ladder:** Using the 3/8x3/8" (5) set screw insert it into the threaded hole in the Four-Hole Bracket and secure the Straight Horizontal Ladder to the posts.

**\_\_8)** Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.

**\_\_9) Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

**\_\_10) Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint

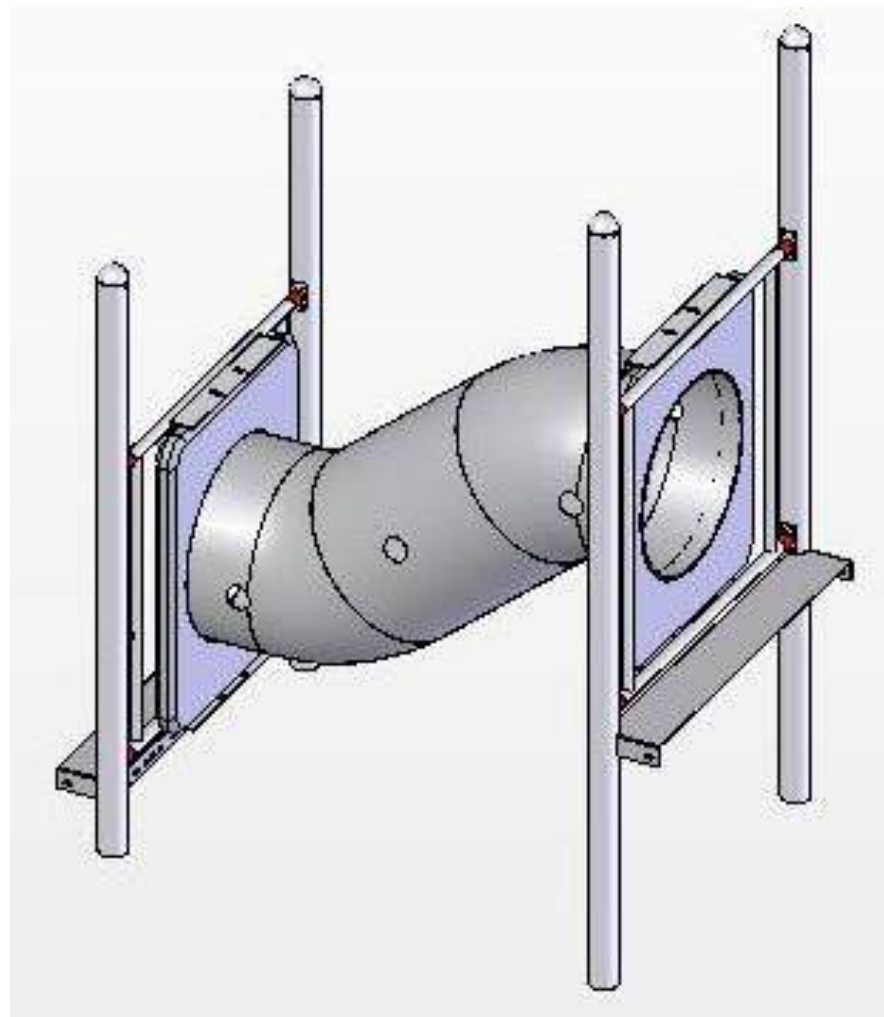
### **INSTALLATION DETAILS**

- Recommended crew (Adult): 2
- Installation time: **30 min (1 man hrs)**
- User age: **2-12**
- Use zone:
- Weight: **66**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

### **MAINTENANCE:**

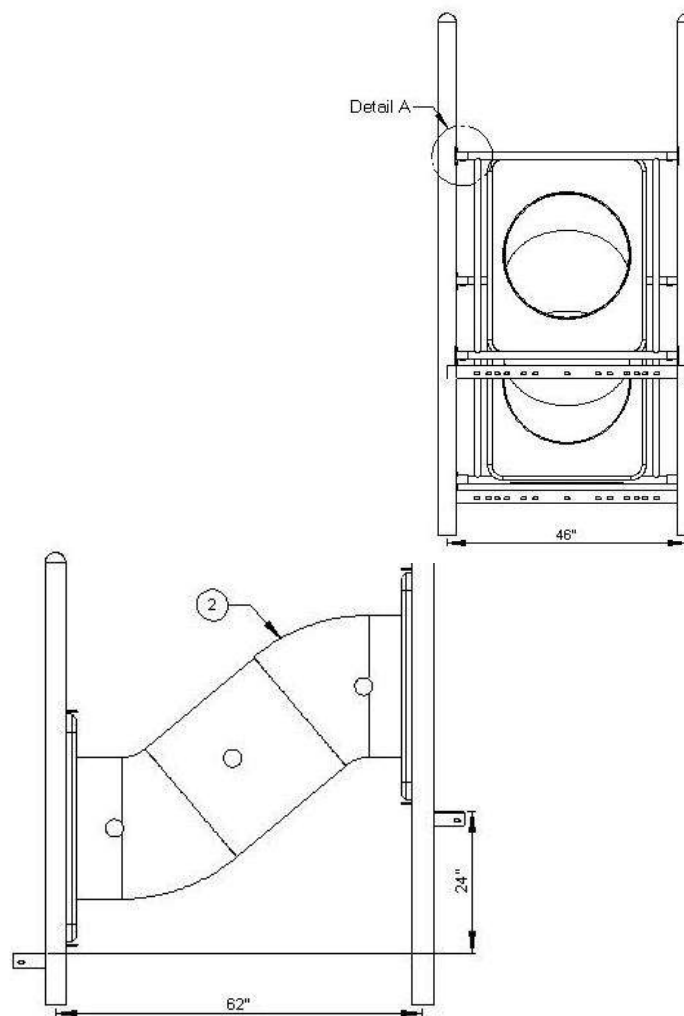
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



## PARTS LIST

ID	PART #	DESCRIPTION	QTY
1	905-287	Incline Crawl Tunnel	1
2	913-402	Four-Hole Attachment Bracket	8
3	905-208	Attachment Bracket Gasket	8
4	905-526	Self-Tapping Screw	32
5	196-807	3/8"x3/8" Set Screw	8

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.





## 922-148 INCLINE CRAWL TUNNEL INSTALLATION INSTRUCTION

### SPECIFICATIONS

- **Paint** – Electrostatically applied & oven cured powder coat
- **Hardware** – Stainless steel & tamper resistant
- **Tube** – FloCoat® Galvanized 1 3/8” O.D. and 1” O.D.
- **Incline Crawl Tube**-Roto-Molded Plastic.

### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

- **CRITICAL MEASUREMENT** IT IS EXTREMELY IMPORTANT THAT YOU MAINTAIN A MAXIMUM OF 3 1/2” DISTANCE BETWEEN THE BOTTOM, OR SIDES OF THE BUBBLE WINDOW AND THE NEAREST EDGE OF THE DECK OR POSTS.

### INSTALLATION TIPS & TROUBLE SHOOTING

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

## **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a drill with a #7 drill bit, tape measure, and a dry erase marker.

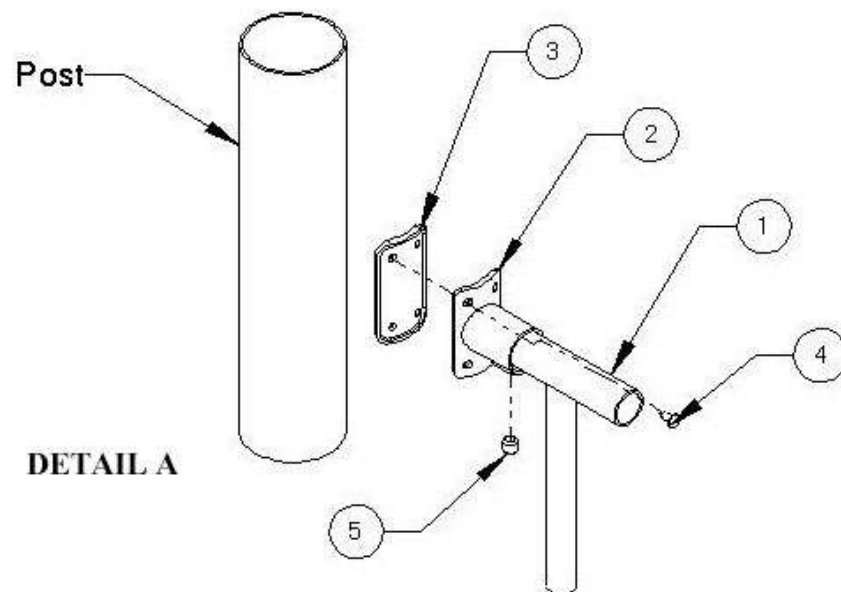
## **INSTALLATION STEPS**

\_\_1) **Review all instructions before beginning:**

\_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

\_\_3) **Locate placement of the Incline Crawl Tube:** See top down view of your instruction booklet.

\_\_4) **Connect Four-Hole brackets to posts:** First you will need to fit the Four-Hole Brackets (2) onto both ends of the Incline Crawl Tunnel (1). The top of the Incline Crawl Tunnel panel shall be at least 38" from the surface of the deck to the top of the Incline Crawl Tunnel. Once you have the top Incline Crawl Tunnel at the correct height, mark the locations for the Four-Hole Brackets. **TIP: It's easier to install the self-tapping screws if you pre drill the holes in the post with a #7 drill bit.** Install the Four Hole Attachment Bracket to the post with the 3/8" threaded hole facing the ground and the Attachment Bracket Gasket between the post and the Four Hole Attachment Bracket. (See detail A)



**DETAIL A**



**INSTALLATION STEPS CONTINUED**

- **CRITICAL MEASUREMENT** IT IS EXTREMELY IMPORTANT THAT YOU MAINTAIN A MAXIMUM OF 3 1/2" DISTANCE BETWEEN THE BOTTOM, OR SIDES OF THE INCLINE CRAWL TUNNEL AND THE NEAREST EDGE OF THE DECK OR POSTS.

**\_\_5) Secure the Incline Crawl Tunnel to the Attachment**

**Bracket:** Install and tighten the 3/8" x 3/8" Set Screw (5) in the Four-Hole Bracket. (See detail A)

**\_\_6) Repeat steps 4 and 5 for the other end of the Incline Crawl Tunnel.**

**\_\_7) Center the Incline Crawl Tunnel:** You will now need to center the Incline Crawl Tunnel between the posts. Measure from each of the posts that the Incline Crawl Tunnel is connected to; make the measurement the same on each side.

**\_\_8) Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.



## 922-148 INCLINE CRAWL TUNNEL INSTALLATION INSTRUCTION

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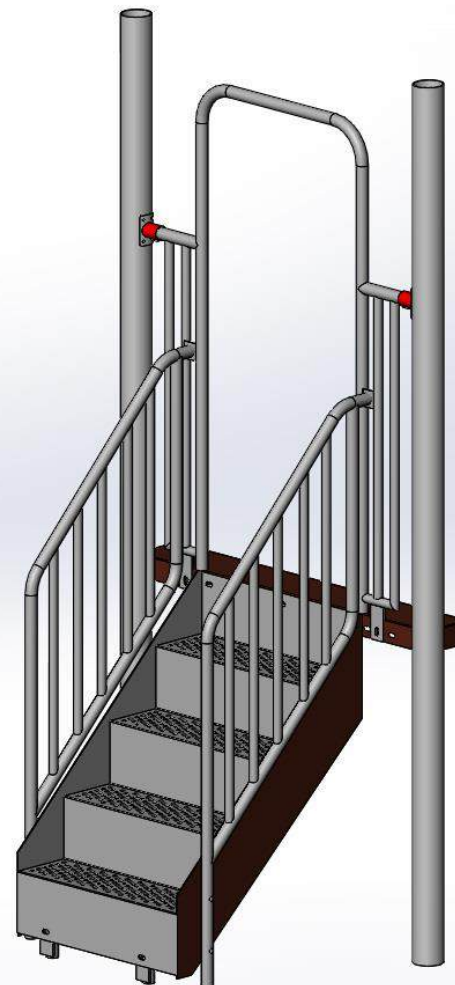
### **INSTALLATION DETAILS**

- Recommended crew (Adult): 2
- Installation time: **1.5 hr (3 man hrs)**
- User age: **2-12**
- Use zone: **72" from all edges of deck**
- Weight: **165 lbs**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

### **MAINTENANCE:**

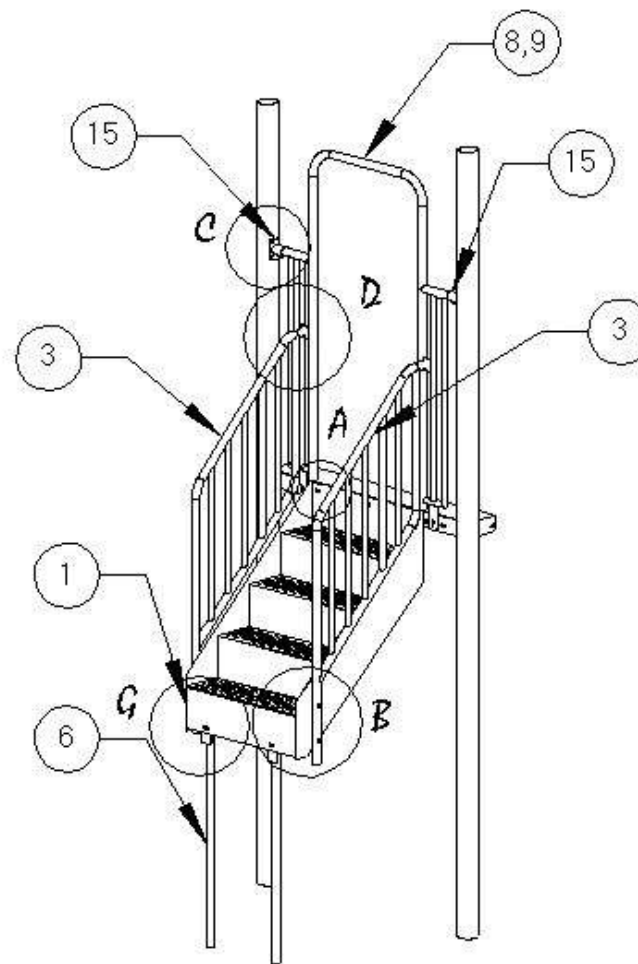
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed, and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



**PARTS LIST**

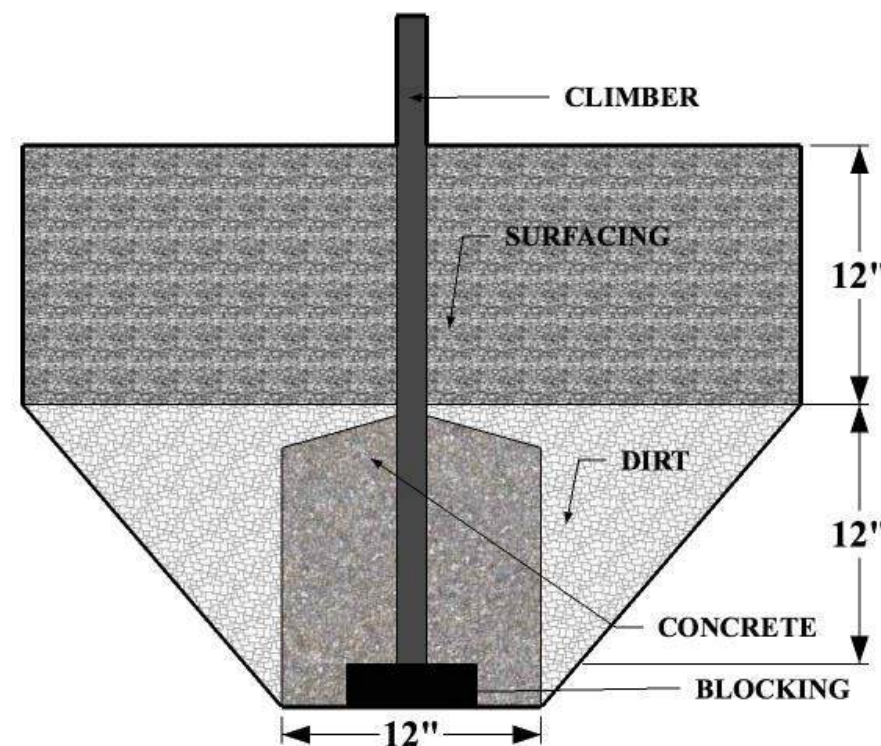
ID	PART #	DESCRIPTION	QTY
1	905-907	Stairs to 3' Deck	1
2			
3	913-653	Handrail to 3' Deck	2
4			
5			
6	913-230	Transfer Point Inside Leg	2
7			
8,9	913-406	Arch Entry Panel	1
10	126-703	3/8"x 1" Button Head Bolt	7
11			
12	316-601	3/8" Flat Washers	20
13	226-602	3/8" Locknut	10
14,19	126-708	3/8"x 2 1/4" Button Head Bolt	4
15	913-402	Four Hole Attachment Bracket	2
16	905-208	Gasket for Attachment Bracket	2
17	905-526	Self-Tapping Screw	8
18	196-807	3/8"x3/8" Set Screw	4

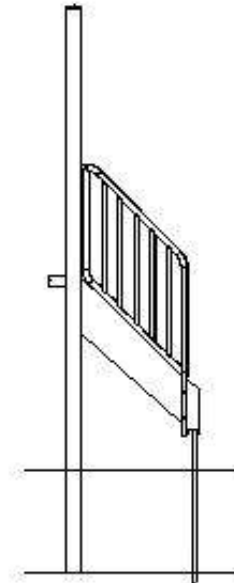
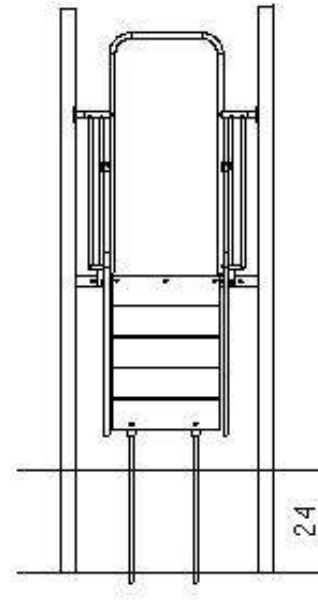
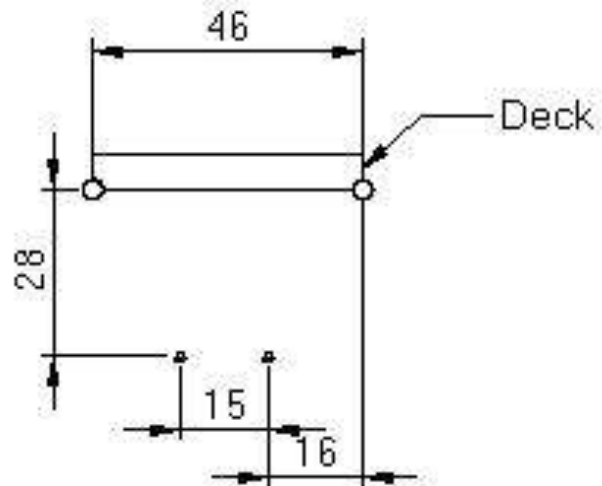
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



### FOOTING INFORMATION

- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you are using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.







## 912-323 3' STEPLADDER W/ ARCHED ENTRY INSTALLATION INSTRUCTION

### **SPECIFICATIONS**

- Deck and Steps-12 GA HRPO steel
- Deck & Step Coating – Electrostatically applied & oven cured thermoplastic powder coat.
- Tube – NEED SPECS
- Tube Paint – Electrostatically applied & oven cured powder coat
- Hardware – Stainless steel & tamper resistant
- Attachment Bracket – Powder coated cast aluminum

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

## **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a level, blocking material, 9/16 wrench, shovel, tape measure and a post hole digger.

## **INSTALLATION STEPS**

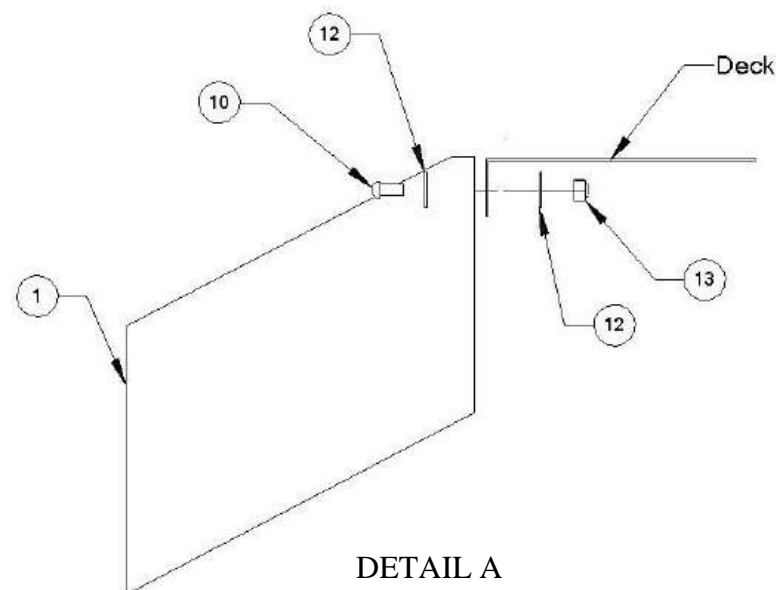
**\_\_1) Review all instructions before beginning**

**\_\_2) Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

**\_\_3) Locate placement of the 3' Stepladder:** See top down view at the beginning of your instruction booklet.

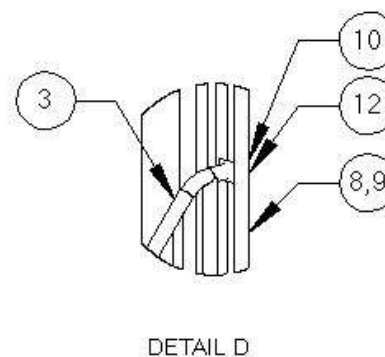
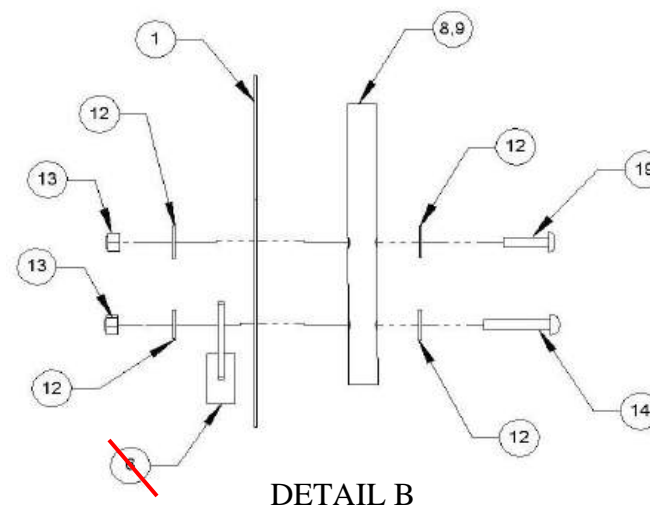
**\_\_4) Dig Footing Holes:** Refer to the Footing Diagram on page 4 of this instruction set.

**\_\_5) Install Stairs to 3' Deck:** The Stairs to 3' Deck (1) will connect using three 3/8"x1" Button Head Bolts (10), six 3/8" Flat Washers (12), and three 3/8" Locknuts (13). Place One 3/8" Flat Washer on to each of the four 3/8"x1" Button Head Bolts. Insert the Bolt and Washer assembly through the top holes of the stairs, then through the factory punched holes in the deck that the Stairs installs to. (See detail A) Secure this with a 3/8" Flat Washer and Locknut. Do not tighten the Locknut until the stairs are level. Repeat these steps until all four bolts are installed in the stairs. After the bolts are installed, level and block the stairs. Now you can tighten the four bolts to secure the stairs.



### **INSTALLATION STEPS CONTINUED**

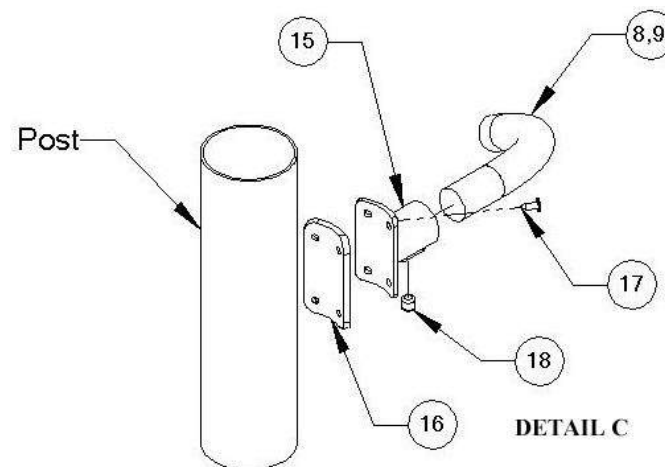
**\_\_6) Install Handrails:** You will need both Handrails (3), four 3/8"x2 1/4" Button Head Bolts (14,19), ten 3/8" Flat Washers (12), four 3/8" Locknuts (13), two 3/8"x1" Button Head Bolts. Place one 3/8" Flat Washer on to each of the 2 1/4" Button Head Bolts. Insert this through the hole on the Handrail, then through the hole in the side of the stair. Secure this with a second 3/8" Flat Washer and 3/8" Locknut. (See Detail B: Note, the Transfer Point Inside Leg is not install here; see Detail G) Place one 3/8" Flat Washer on to each of the 1" Button Head Bolts. Insert through the back plate on the Arch Entry Panel (8,9) then the threaded hole on the Handrail. (See Detail D)



### **INSTALLATION STEPS CONTINUED**

**\_\_7) Install Arch Entry Panel to Posts and Deck:** Needed are two Four Hole Attachment Brackets (15), two Gaskets for Attachment Brackets (16), eight Self tapping Screws (17), and two 3/8"x 3/8" Set screws. Place one of the Four Hole Attachment Brackets on the Arch Entry Panel and mark the holes on the post where it connects. Drill the holes and install the Four Hole Attachment Bracket to the post. With the hole in the Four Hole Attachment Bracket facing the ground, attach it to the post using four Self tapping Screws, the Attachment Bracket Gasket will install between the Bracket and the post. Now you need to install the 3/8" x 3/8" set screw into the threaded insert in the Four Hole Attachment bracket to secure the Arch Entry Panel to the post. (See detail C)

Attach the Arch Entry Panel to the deck with two 3/8"x1" Button Head Bolts (10), four 3/8" Flat Washers (12), and two 3/8" Locknuts. Place one 3/8" Flat Washer on to each of the 1" Button Head Bolts. Insert into the Arch Entry Panel tab and through the appropriate hole on the deck. Secure with a 3/8" Flat Washer and 3/8" Locknut. Similar to Detail A.

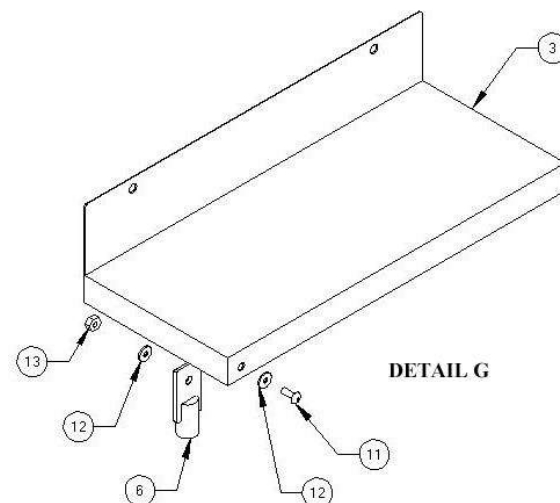




### **INSTALLATION STEPS CONTINUED**

**\_\_8) Install the Transfer Point Inside Leg:** Needed are the two Transfer Point Inside Legs (6), two 3/8"x 1" Button Head Bolts (10), four 3/8" Flat Washers (12), and two 3/8" Locknuts (13). Place one 3/8" Flat Washer on to each of the 1" Button Head Bolts. Insert into front, bottom step of the stairs. Place the Transfer Point Inside legs into their footing holes. Place the flat side of the Transfer Point Inside Leg against the Transfer Station step and secure them with a 3/8" Flat Washer and a 3/8" Locknut. (See detail G)

**\_\_9) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**.** Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.





## 912-323 3' STEPLADDER W/ ARCHED ENTRY INSTALLATION INSTRUCTION

\_\_10) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

\_\_11) Inspect **the components:** for sharp edges and if necessary, file them down and apply touch up paint.



## **912-323 3' STEPLADDER W/ ARCHED ENTRY INSTALLATION INSTRUCTION**

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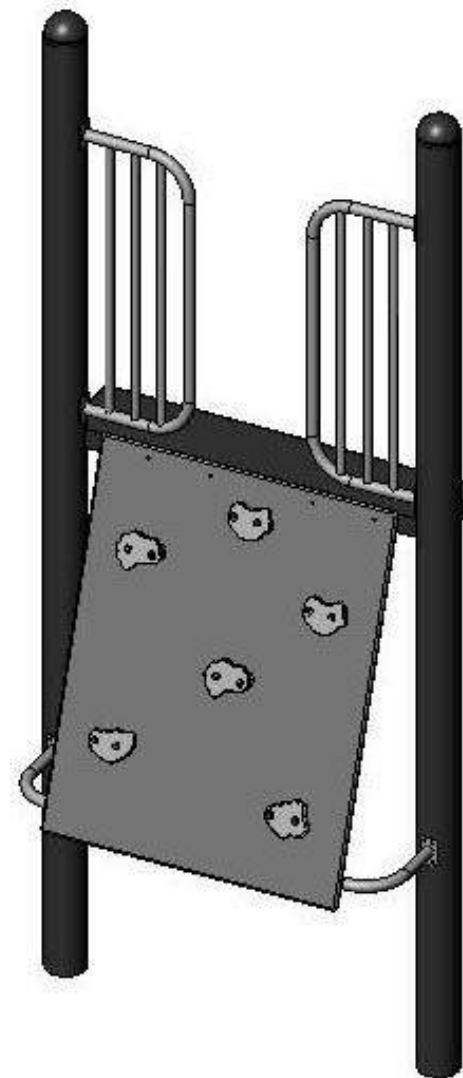
#### **INSTALLATION DETAILS**

- Recommended crew (Adult): **1**
- Installation time: **1 hr**
- User age: **2-12**
- Use zone: **72" in all directions**
- Weight: **75 lbs**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

#### **MAINTENANCE:**

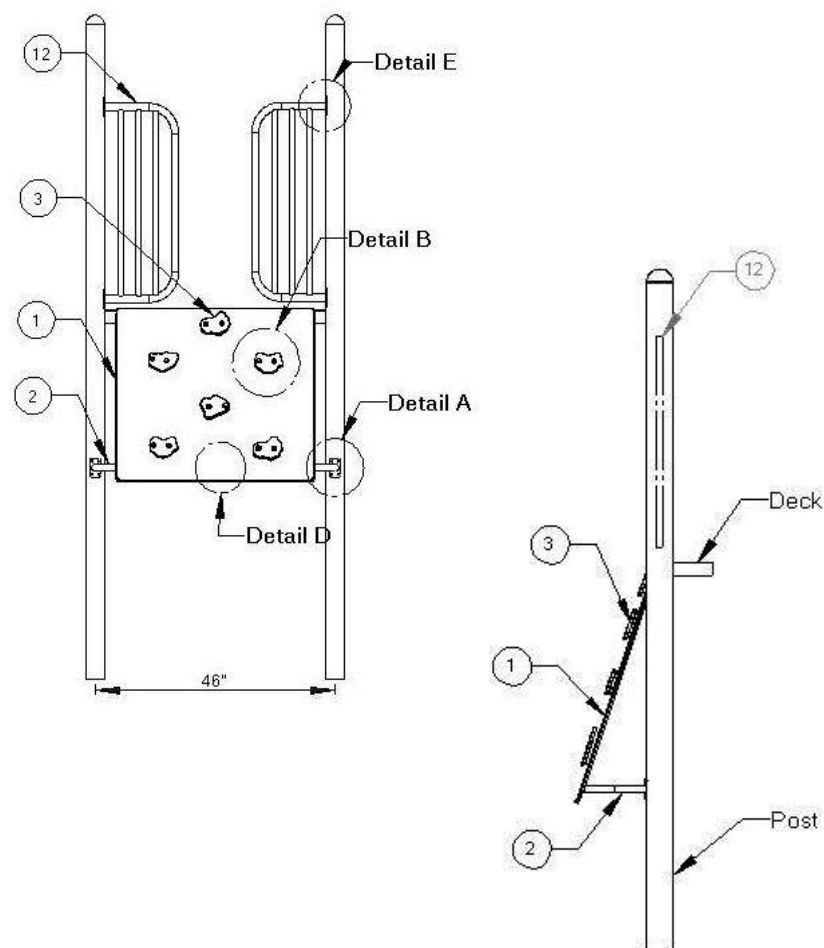
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



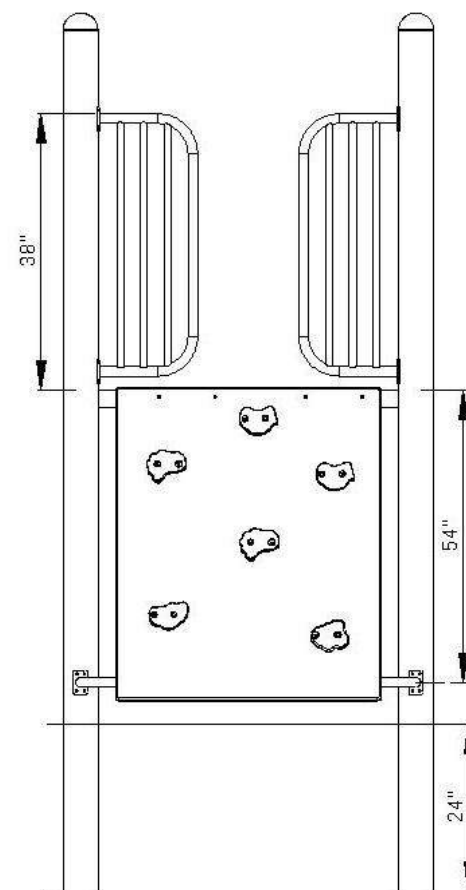
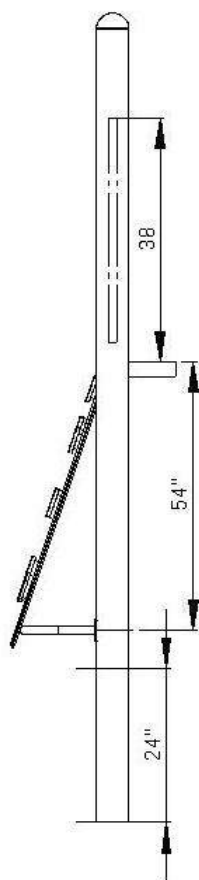
## PARTS LIST

ID	PART #	DESCRIPTION	QTY
1	903-273-3	Rock Wall Plastic to 5' deck	1
2	923-129	Rock Wall Bottom Bracket	1
3	435-802	Climbing Rocks	10
4	905-208	Gasket for Attachment Bracket	4
5	905-526	Self Tapping Screws	16
6	216-512	5/16" x 1" Button Head Nut	21
7	116-529	5/16" x 3/4" Button Head Bolt	20
8	116-538	5/16" x 1 3/4" Button Head Bolt	1
9	316-601	3/8" Flat Washer	29
10	226-602	3/8" Lock Nut	4
11	126-706bps	3/8" x 1 3/4" Button Head Bolt	4
12	923-212	Safety Enclosure/ Barrier	2

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



## ELEVATION VIEW





### **SPECIFICATIONS**

- **Rock Climbing Panel**- 3/4" HDPE UV stabilized plastic
- **Rock Wall Bottom Bracket**– FloCoat® Galvanized 1 3/8" O.D. tubing
- **Climbing Rocks**-HDPE plastic
- **Hardware** – Stainless steel & tamper resistant
- **Paint** – Electrostatically applied & oven cured powder coat
- **Tube** – FloCoat® Galvanized 1" and 1 3/8" O.D.
- **Safety Barrier**-1 3/8" O.D. tubing bent with 1" O.D. tube welded rungs

### **SPECIAL SAFETY & ASTM COMPLIANCE NOTES**

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a tape measure, drill with a ½" drill bit and a dry erase marker.

### **INSTALLATION STEPS**

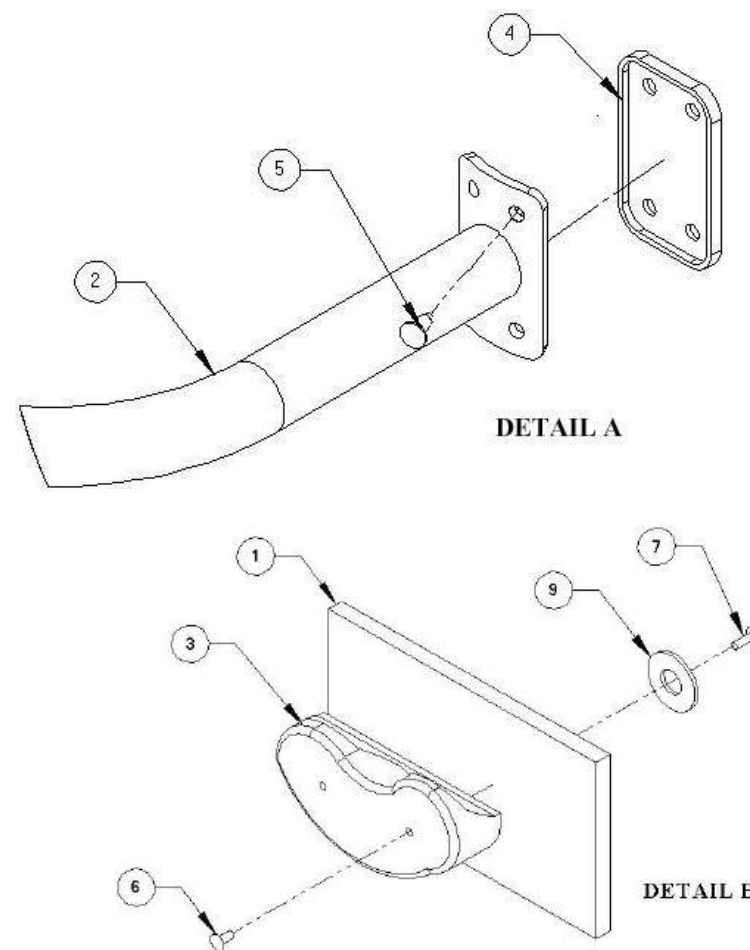
**\_\_1) Review all instructions before beginning:**

**\_\_2) Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

**\_\_3) Locate placement of the Rock Wall:** See top down view of your instruction booklet.

**\_\_4) Layout the placement of the Rock Wall Bottom Bracket:** You will need to measure and mark the center of the Rock Wall Bottom Bracket this measurement will be 54 inches from the top of the deck. Place the center of the Rock Wall Bottom Bracket on the mark at 54 inches. Now you will need to mark the location of the four holes on each end of the Rock Wall Bottom Bracket. You will need to drill the eight holes in the posts where the Rock Wall Bottom Bracket will attach using the # 7 drill bit.

**\_\_5) Attach the Rock Wall Bottom Bracket:** The Rock Wall Bottom Bracket will attach to the posts with eight, Self Tapping Screws (5) and two, Gaskets for Attachment Brackets (4). Place the Gasket between the post and The Rock Wall Bottom Bracket; secure it to the post using the Self Tapping Screws. (See detail A)



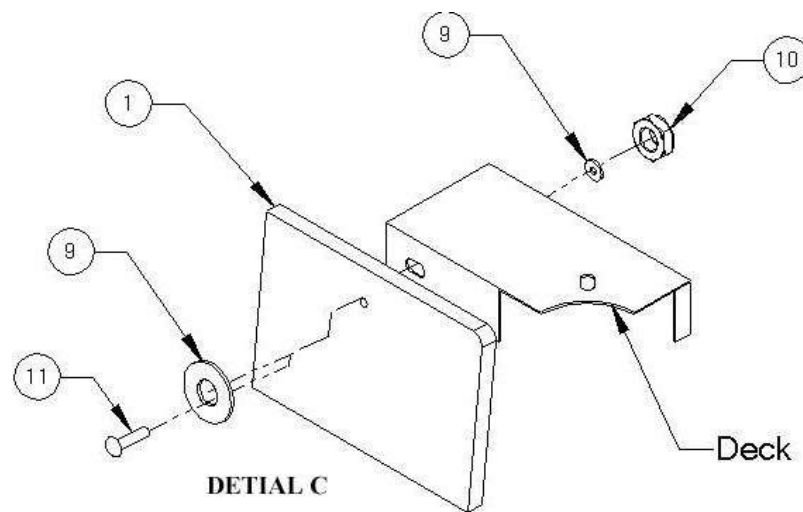


### **INSTALLATION STEPS CONTIUDE**

**\_\_6) layout the holes to attach the Rock Wall Plastic panel to the deck:** With help hold the Rock Wall Plastic Panel up to the top surface of the deck. Center the panel between the posts; now mark the location for the bolts on the panel. *(Use four of the holes that are punched in the deck for this, two on the outside corners and two toward the middle of the panel.)* Place the panel onto a set of sawhorses and drill the holes with a 1/2" drill bit.

**\_\_7) Install the Climbing Rocks:** Flip the panel over and place it back on the sawhorses. You will need the ten Climbing Rocks (3), twenty, 5/16" x 1" Button Head Nuts (6), twenty, 5/16" x 3/4" Button Head Bolts (7), and twenty, 3/8" Flat Washers. Place one 3/8" Flat Washer on each of the 5/16" x 1" Button Head Nuts. Place, one 5/16" x 3/4" Button Head Bolt through each of the holes in the Climbing Rocks. Place a drop of locktite into the nut. Insert the nut and flat washer through the underside of the panel and into the climbing rock and tighten the 5/16" x 3/4" Button Head Bolt to secure the Climbing Rock to the panel. (See detail B) Repeat this until all of the Climbing rocks are installed.

**\_\_8) Attach the Rock Wall to the Deck:** You will need eight, 3/8" Flat Washers (9), four, 3/8" Lock Nuts (10) and four, 3/8" x 1 3/4" Button Head Bolts (11). Insert one bolt through one flat washer and then through the panel and deck. Secure it to the deck with a second Flat Washer and a Lock Nut. (See detail C)

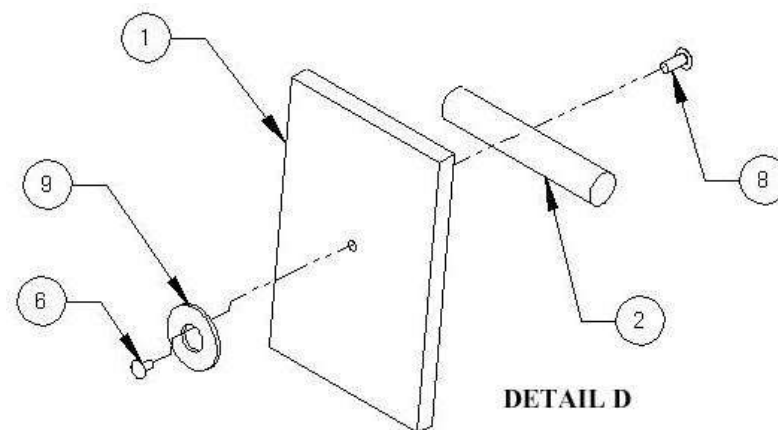


**INSTALLATION STEPS CONTINUED**

\_\_9) **Attach the rock wall to the Bottom Bracket:** To do this you will need one, 5/16" x 1" Button Head Nut, one, 5/16" x 1 3/4" Button Head Bolt, and two, 3/8" Flat Washers. First locate the hole in the center of the Rock Wall Bottom Bracket. Using that hole as a guide, drill a 1/2" hole through the Rock Wall Panel. Secure the panel with the hardware needed for this step. (See detail D)

\_\_10) **Install Safety Enclosure/Barriers:** You will need the Safety Enclosure/Barriers (12), two, Gaskets for Attachment Bracket (4) and eight, Self Tapping Screws (5). First you will need to mark the holes on the post for the Safety Enclosure/Barriers. The 1 3/8" pipe of the Safety Enclosure/Barriers must be 38" from the top surface of the deck to the top the 1 3/8" bent pipe. Mark and drill the holes. Secure the Safety Enclosure/Barriers to the posts with the Self Tapping Screws making sure that the Attachment Bracket Gasket is between the Safety Enclosure/Barrier and post. (See detail E)

\_\_10) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.





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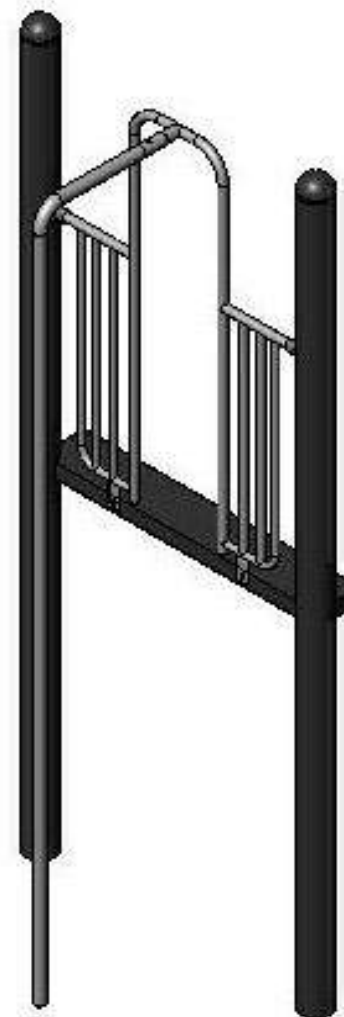
### **INSTALLATION DETAILS**

- Recommended crew (Adult): 2
- Installation time: **1 hr (2 man hrs)**
- User age: **5-12**
- Use zone: **72 in. in front of climber**
- **72 in to right and left of climber**
- Weight: **50**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required

### **MAINTENANCE:**

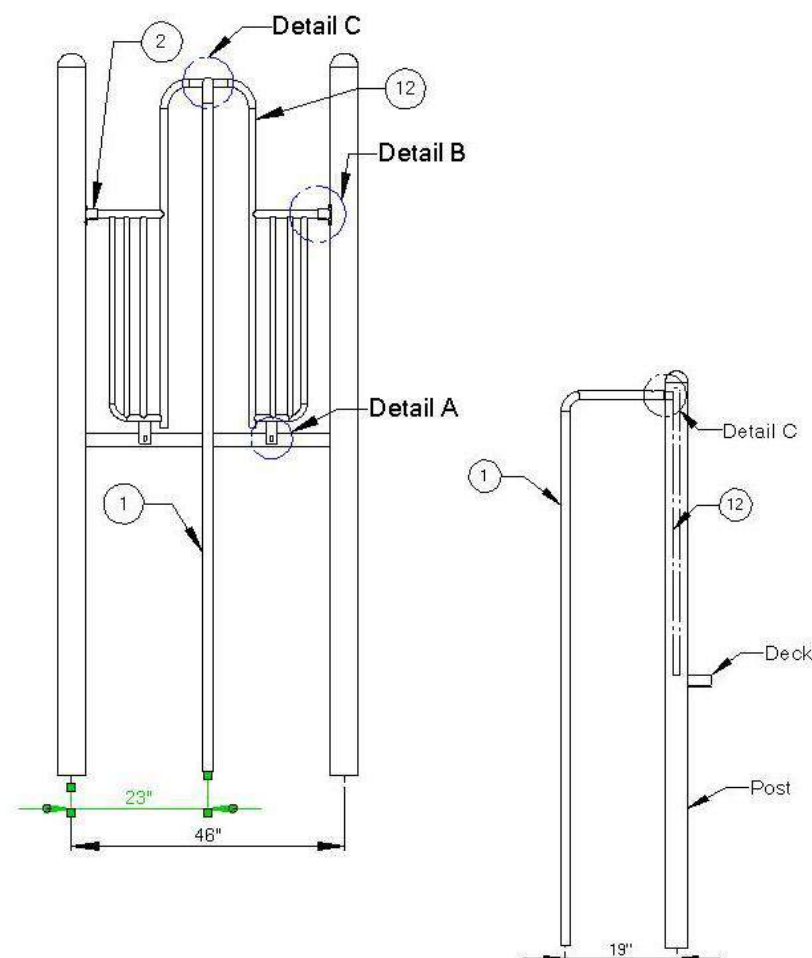
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



## PARTS LIST

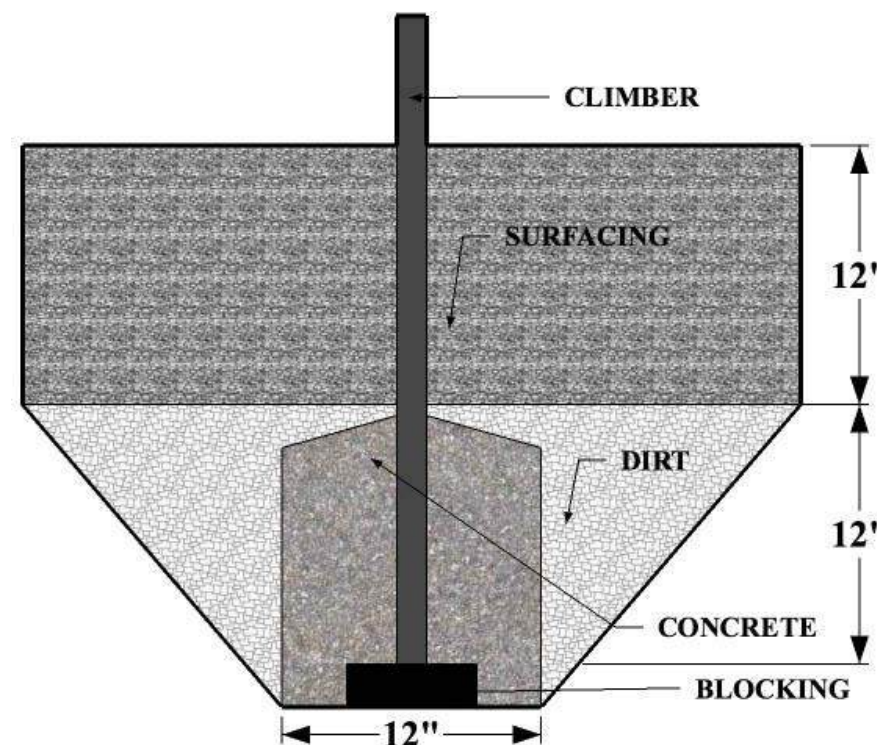
ID	PART #	DESCRIPTION	QTY
1	923-119-6	Fire Pole 6' deck	1
2	913-402	Four-Hole Attachment Bracket	2
3	905-208	Attachment Bracket Gasket	2
4	905-526	Self-Tapping Screw	8
5	196-807	3/8" x 3/8" Set Screw	2
6	126-703	3/8" x 1" Button Head Bolt	2
7	316-601	3/8" Flat Washer	4
8	226-602	3/8" Lock Nut	2
9	116-538	5/16" x 1 3/4" Button Head Bolt	1
10	216-512	5/16" x 1" Button Head Nut	1
11	326-501	5/16" Lock Washer	1
12	923-214	Arch Wall	1

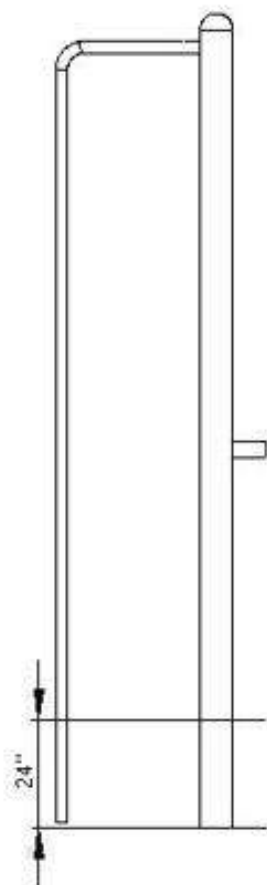
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



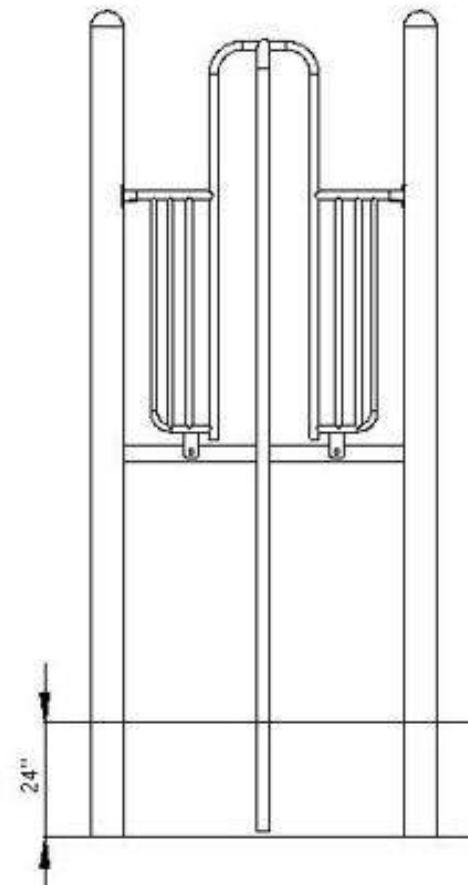
## FOOTING INFORMATION

- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you were using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to the cutaway view to the right). Hole is 19" out from the post at the center of the deck edge (refer to the side view on page 2)
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the post on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.





**922-119-6  
6' FIRE POLE  
ELEVATION VIEW**





### **SPECIFICATIONS**

- Paint – Electrostatically applied & oven cured powder coat
- Hardware – Stainless steel & tamper resistant
- Tube – FloCoat® Galvanized 1 3/8" OD and 1" OD.
- Attachment Bracket – Powder coated cast aluminum
- Firepole–1 7/8" O.D. tube
- Arch Wall–1 7/8", 1 3/8", and 1" O.D. tube MIG welded together

### **SPECIAL SAFETY & ASTM COMPLIANCE NOTES**

- (MUST INCLUDE SECTION IN STANDARD)

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.



## **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a shovel or posthole digger, cement, drill, and a level.

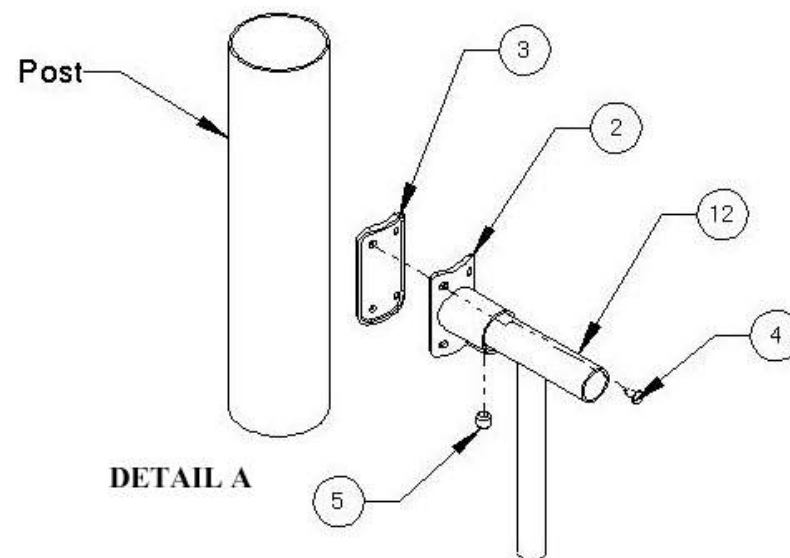
## **INSTALLATION STEPS**

**\_\_1) Review all instructions before beginning**

**\_\_2) Unpack, organize, and identify, all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

**\_\_3) Locate placement of Fire Pole:** See top down view of your instruction booklet

**\_\_4) Install Arch Wall:** Make sure that the attachment stub is facing away from the deck you are installing the Fire Pole on. You will need the Arch Wall (12) two Four-Hole Attachment Brackets (2), two Attachment Bracket Gaskets (3), eight Self-Tapping Screws (4), two 3/8" x 3/8" Set Screws (5) two 3/8" x 1" Button Head Bolts (6), four 3/8" Flat washers (7) and two 3/8" Lock Nuts (8). First you will need to place the two Four Hole-Brackets on the Arch Wall. (See detail A) Using the 3/8" x 1" Button Head Bolts with a flat washer installed, place it through the Arch Wall and into the correct factory punched hole in the deck you are installing it to. Secure it with a 3/8" Flat Washer and 3/8" Locknut on the underside of deck, do not completely tighten locknut at this time. (See detail B)

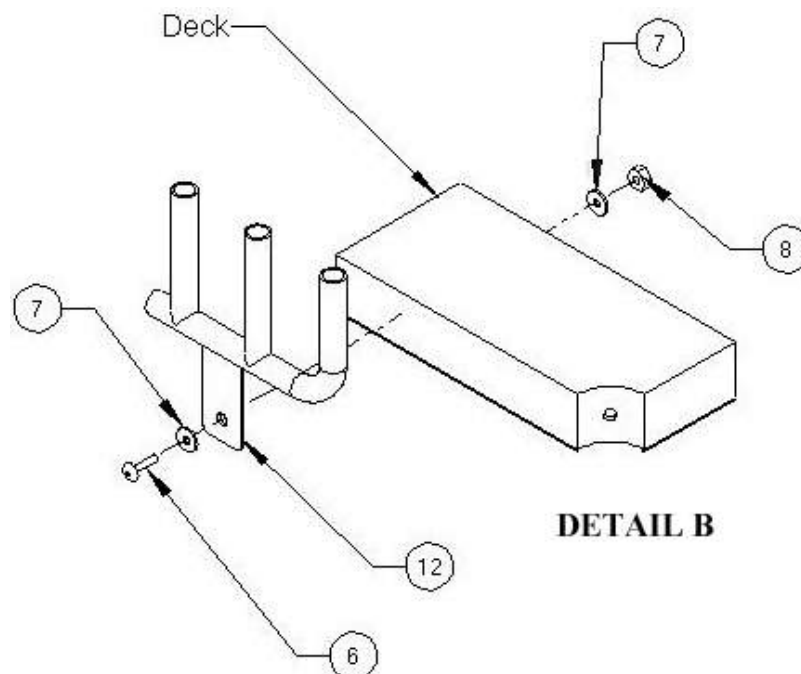


### INSTALLATION STEPS CONTINUED

\_\_5) **Connect Four-Hole brackets to posts:** Now you need to install the Four-Hole Brackets to the posts. The top of the barrier, NOT THE ARCH, should be 38" from the surface of the deck to the top of the barrier. Once you have the top of the barrier at the correct height tighten the two 3/8" x 1" Button Head bolts (6). The Four-Hole Brackets get installed with the Self-Tapping Screws (4) and Attachment Bracket Gaskets (5) make sure that the hole for the 3/8" x 3/8" set screw is pointing down. **TIP: It's easier to install the self-tapping screws if you pre drill the holes in the post with a #7 drill bit by marking the hole locations with a dry erase marker after you have put the guard wall into position.** Install the Self-Tapping Screws into the holes you have drilled in the posts with the Attachment Bracket Gasket between the post and Four Hole Attachment Bracket. (See detail B)

\_\_6) **Secure the Arch Wall to the Attachment Bracket:** Install and tighten the 3/8" x 3/8" Set Screw (5) in the Four-Hole Bracket. (See detail B)

\_\_7) **Dig footing hole:** Referencing the footing cutaway drawings on page 3, the footing layout and elevation views on page 4 of this components instruction set along with the main footing diagram on page 5 of the installation guide, mark and dig the footings as instructed for the Fire Pole (1). (Footing depth is 24" less the amount of surfacing used plus the thickness of the blocking material).



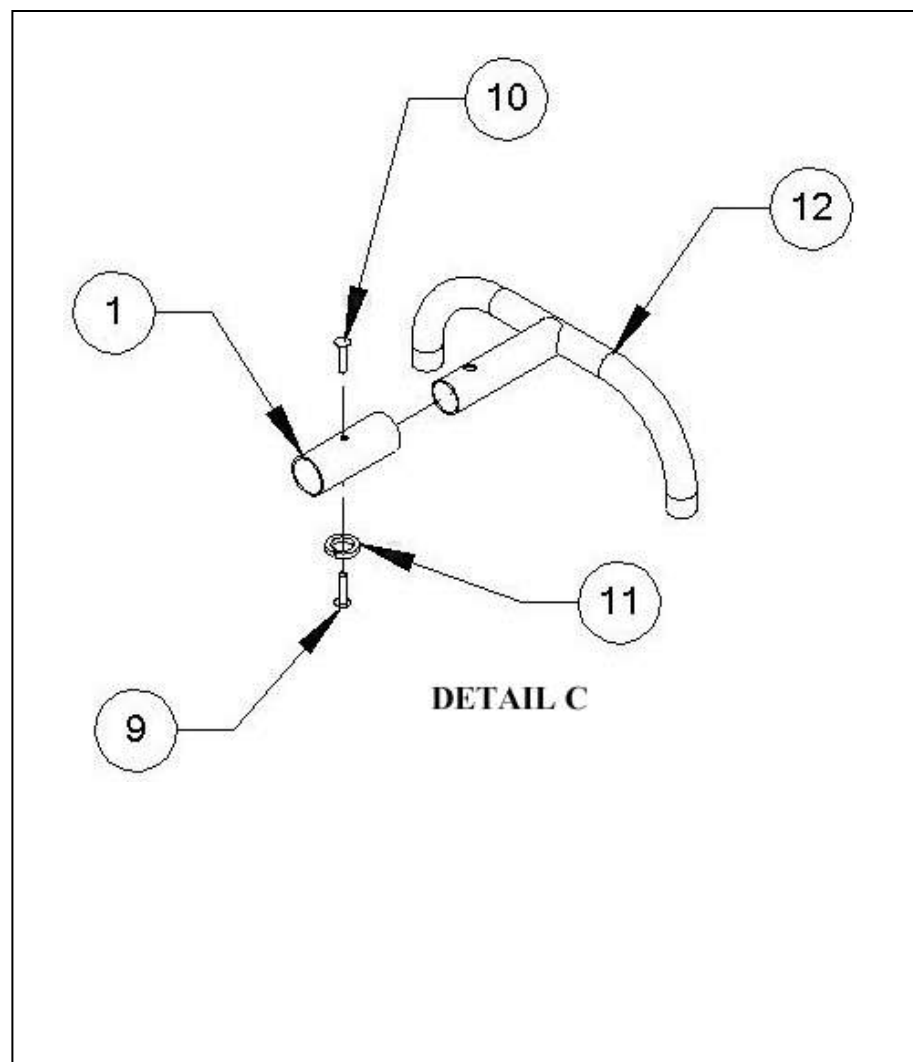
### **INSTALLATION STEPS CONTINUED**

\_\_8) **Install the Fire Pole:** Place the fire pole over the stub on the Arch Wall and secure it with the 5/16" x 1 3/4" Button Head Bolt (9), 5/16" Button Head Nut (10), and 5/16" Lock Washer (11). (See detail C)

\_\_9) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.

\_\_10) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris, and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

\_\_11) Inspect **the components** for sharp edges and if necessary file them down and apply touch up paint.



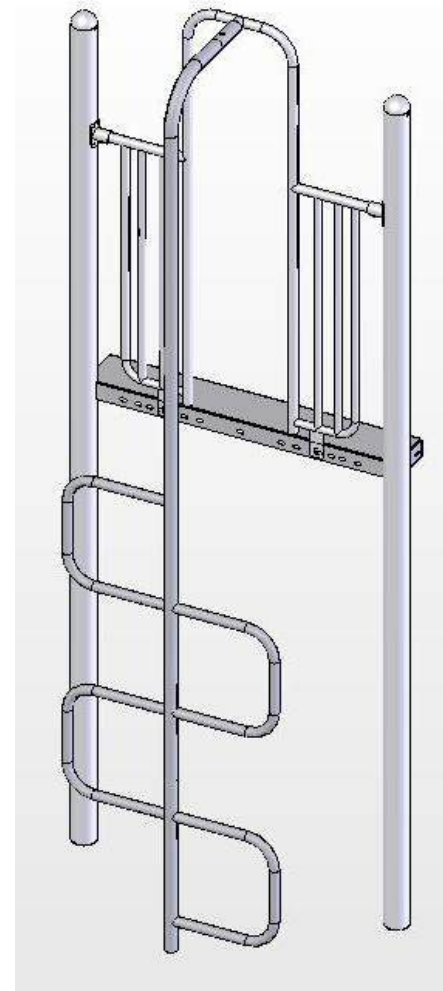
### **INSTALLATION DETAILS**

- Recommended crew (Adult): 2
- Installation time: **1 hr (2 man hrs)**
- User age: **2-12**
- Use zone: **72 in. in front of climber**  
**72 in to right and left of climber**
- Weight: **80**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

### **MAINTENANCE:**

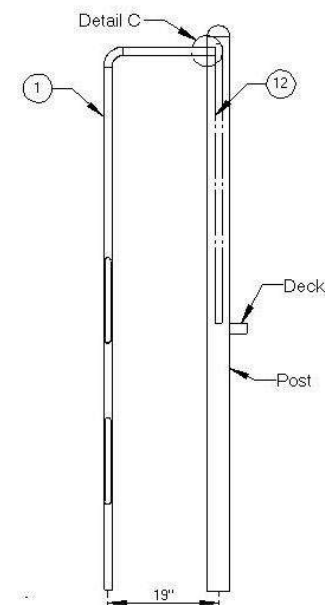
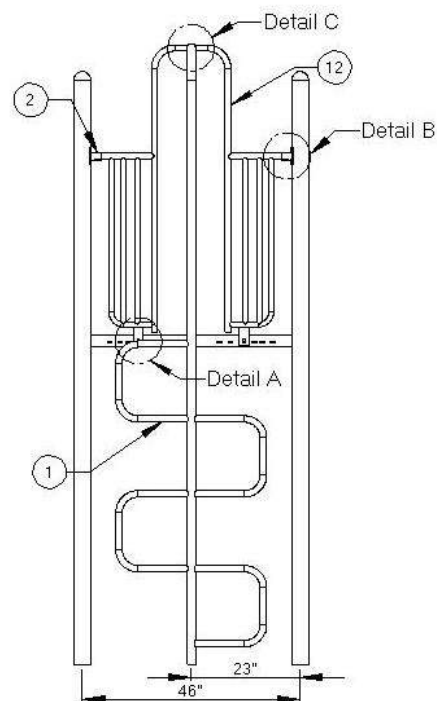
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



## PARTS LIST

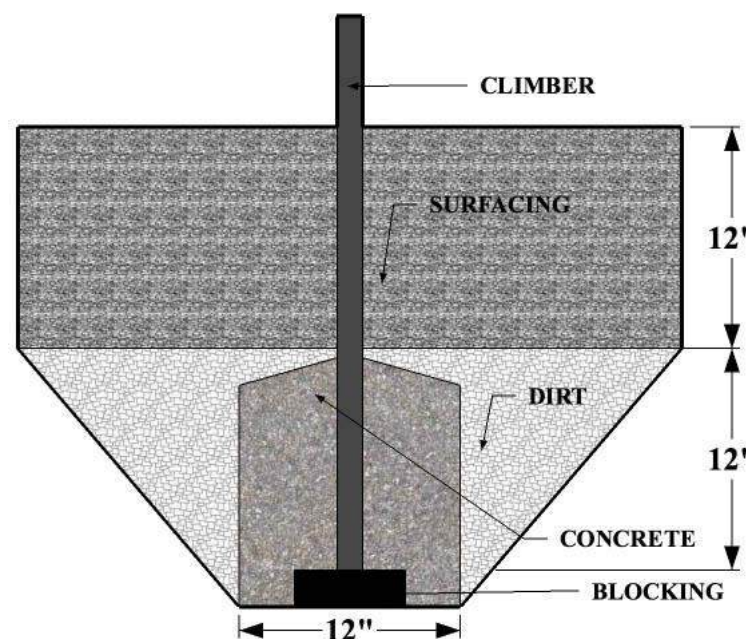
ID	PART #	DESCRIPTION	QTY
1	913-419-5	“U” Climber 6’ deck	1
2	913-402	Four-Hole Attachment Bracket	2
3	905-208	Attachment Bracket Gasket	2
4	905-526	Self-Tapping Screw	8
5	196-807	3/8”x3/8” Set Screw	2
6	126-703	3/8”x1” Button Head Bolt	2
7	316-601	3/8” Flat Washer	4
8	226-602	3/8” Lock Nut	2
9	116-538	5/16”x1 3/4” Button Head Bolt	1
10	216-512	5/16”x1” Button Head Nut	1
11	326-501	5/16” Lock Washer	1
12	923-214	Arch Wall	1

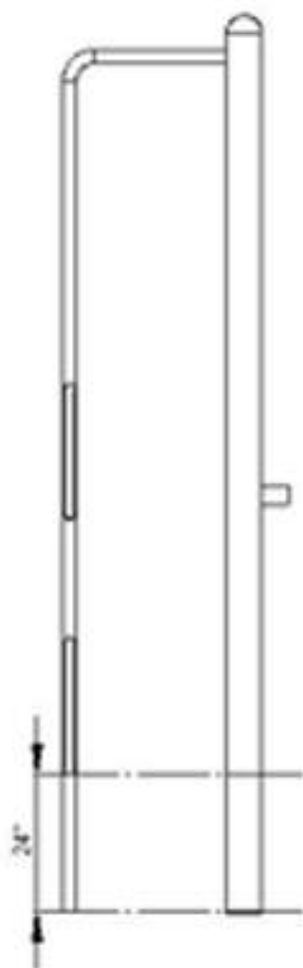
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



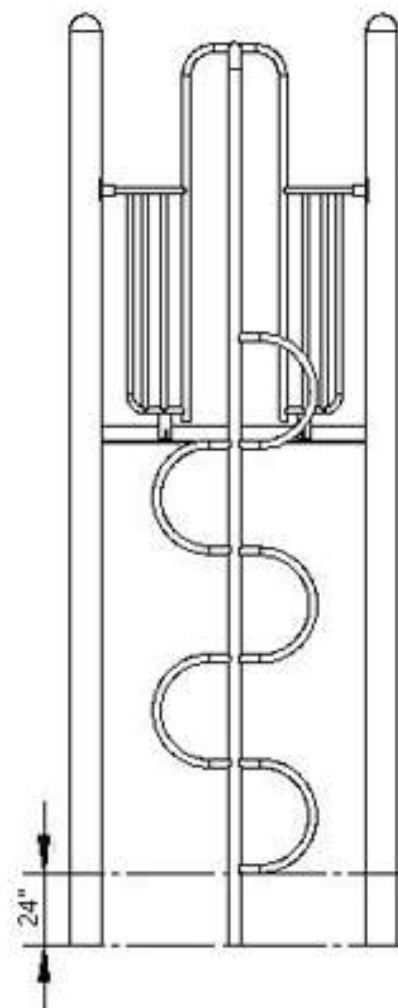
## FOOTING INFORMATION

- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you were using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to the cutaway view to the right). Hole is 19" out from the post at the center of the deck edge (refer to the side view on page 2)
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the post on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.





**912-118-6  
6' U CLIMBER  
ELEVATION  
VIEW**





### **SPECIFICATIONS**

- Paint – Electrostatically applied & oven cured powder coat
- Hardware – Stainless steel & tamper resistant
- Tube – FloCoat® Galvanized 1 3/8” OD and 1” OD.
- Attachment Bracket – Powder coated cast aluminum
- “U” Climber–1 7/8” O.D. tube with 1 3/8 O.D. bent into 16” half circles and welded to 1 7/8” tube.
- Arch Wall–1 7/8”, 1 3/8”, and 1” O.D. tube MIG welded together

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.



## **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a shovel or posthole digger, cement, drill, and a level.

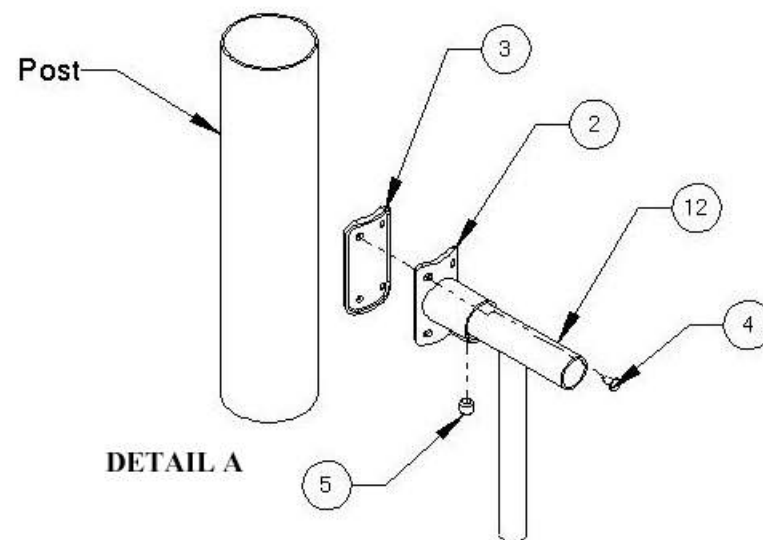
## **INSTALLATION STEPS**

\_\_1) **Review all instructions before beginning**

\_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

\_\_3) **Locate placement of “U” Climber:** See top down view of your instruction booklet

\_\_4) **Install Arch Wall:** Make sure that the attachment stub is facing away from the deck you are installing the “U” Climber on. You will need the Arch Wall (12) two Four-Hole Attachment Brackets (2), two Attachment Bracket Gaskets (3), eight Self-Tapping Screws (4), two 3/8” x 3/8” Set Screws (5) two 3/8” x 1” Button Head Bolts (6), four 3/8” Flat washers (7) and two 3/8” Lock Nuts (8). First you will need to place the two Four-Hole Brackets on the Arch Wall. (See detail A) Using the 3/8” x 1” Button Head Bolts with a flat washer installed, place it through the Arch Wall and into the correct factory punched hole in the deck you are installing it to. Secure it with a 3/8” Flat Washer and 3/8” Locknut on the underside of deck, do not completely tighten locknut at this time. (See detail B)

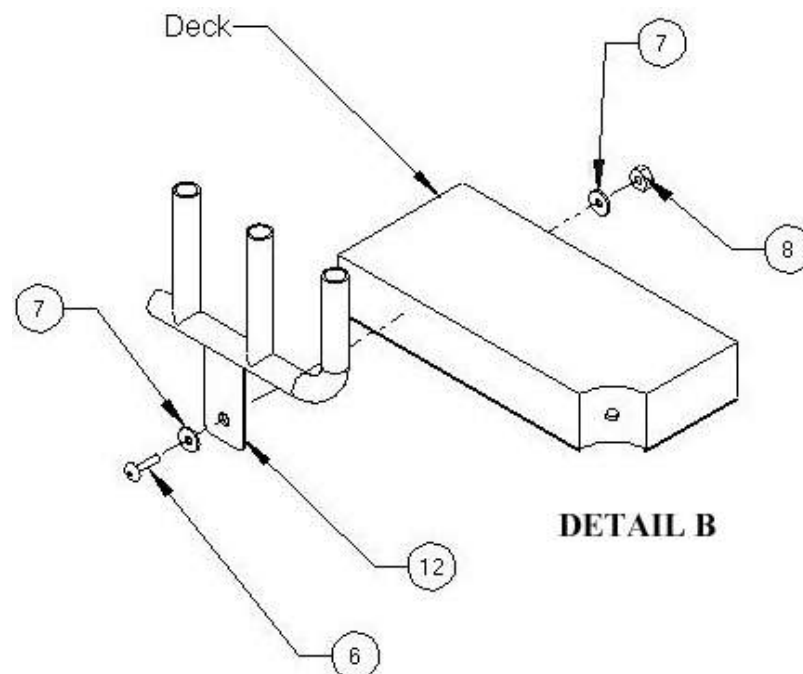


### INSTALLATION STEPS CONTINUED

\_\_5) **Connect Four-Hole brackets to posts:** Now you need to install the Four-Hole Brackets to the posts. The top of the barrier, NOT THE ARCH, should be 38” from the surface of the deck to the top of the barrier. Once you have the top of the barrier at the correct height tighten the two 3/8” x 1” Button Head bolts (6). The Four-Hole Brackets get installed with the Self-Tapping Screws (4) and Attachment Bracket Gaskets (5) make sure that the hole for the 3/8” x 3/8” set screw is pointing down. **TIP: It’s easier to install the self-tapping screws if you pre drill the holes in the post with a #7 drill bit by marking the hole locations with a dry erase marker after you have put the guard wall into position.** Install the Self-Tapping Screws into the holes you have drilled in the posts with the Attachment Bracket Gasket between the post and Four-Hole Attachment Bracket. (See detail B)

\_\_6) **Secure the Arch Wall to the Attachment Bracket:** Install and tighten the 3/8” x 3/8” Set Screw (5) in the Four-Hole Bracket. (See detail B)

\_\_7) **Dig footing hole:** Referencing the footing cutaway drawings on page 3, the footing layout and elevation views on page 4 of this components instruction set along with the main footing diagram on page 5 of the installation guide, mark and dig the footings as instructed for the “U” Climber (1). (Footing depth is 24” less the amount of surfacing used plus the thickness of the blocking material).



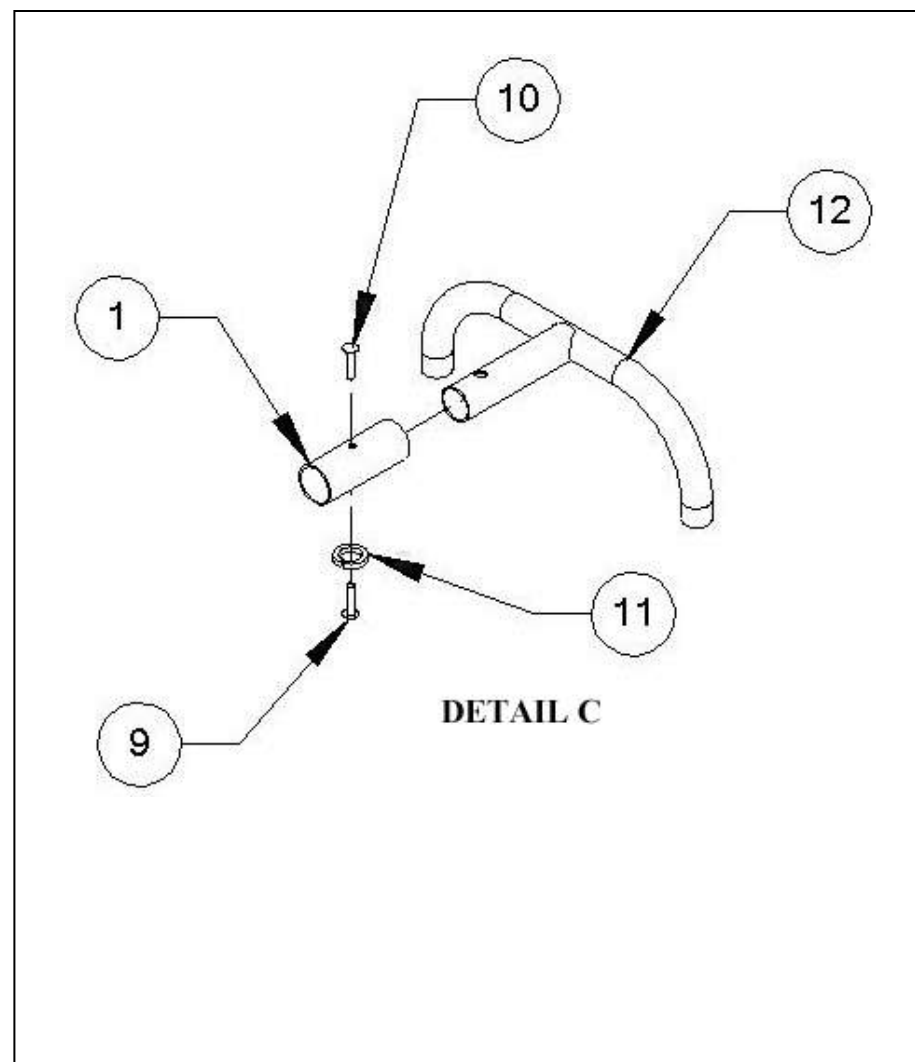
### **INSTALLATION STEPS CONTINUED**

\_\_8) **Install the “U” climber:** Place the “U” Climber over the stub on the Arch Wall and secure it with the 5/16” x 1 3/4” Button Head Bolt (9), 5/16” Button Head Nut (10), and 5/16” Lock Washer (11). (See detail C)

\_\_9) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer’s directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.

\_\_10) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris, and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

\_\_11) **Inspect the components** for sharp edges and if necessary file them down and apply touch up paint.



### **INSTALLATION DETAILS**

- Recommended crew (Adult): 2
- Installation time: **1 hr (2 man hr)**
- User age: **2-12**
- Use zone: **72" from each side of chain net**
- Weight: **50**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



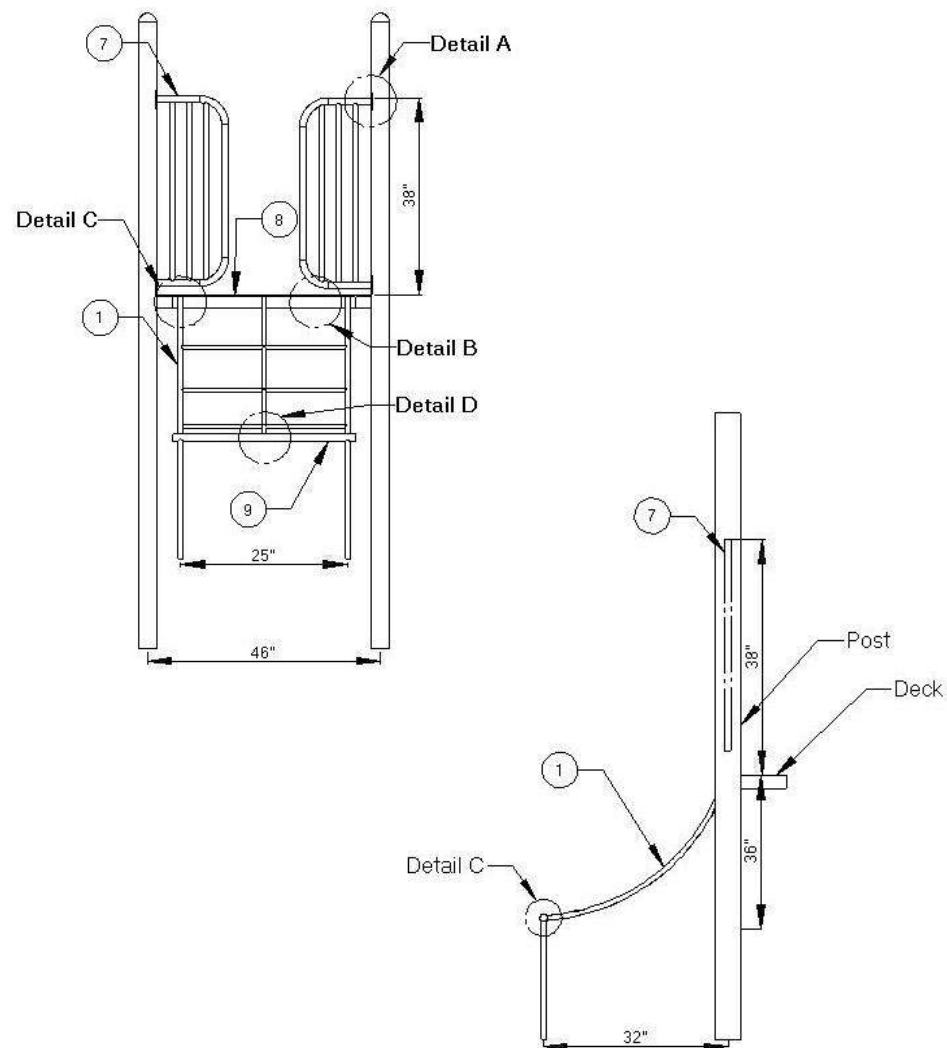


## 922-161-3 CHAIN NET CLIMBER 3' DECK INSTALLATION INSTRUCTION

### PARTS LIST

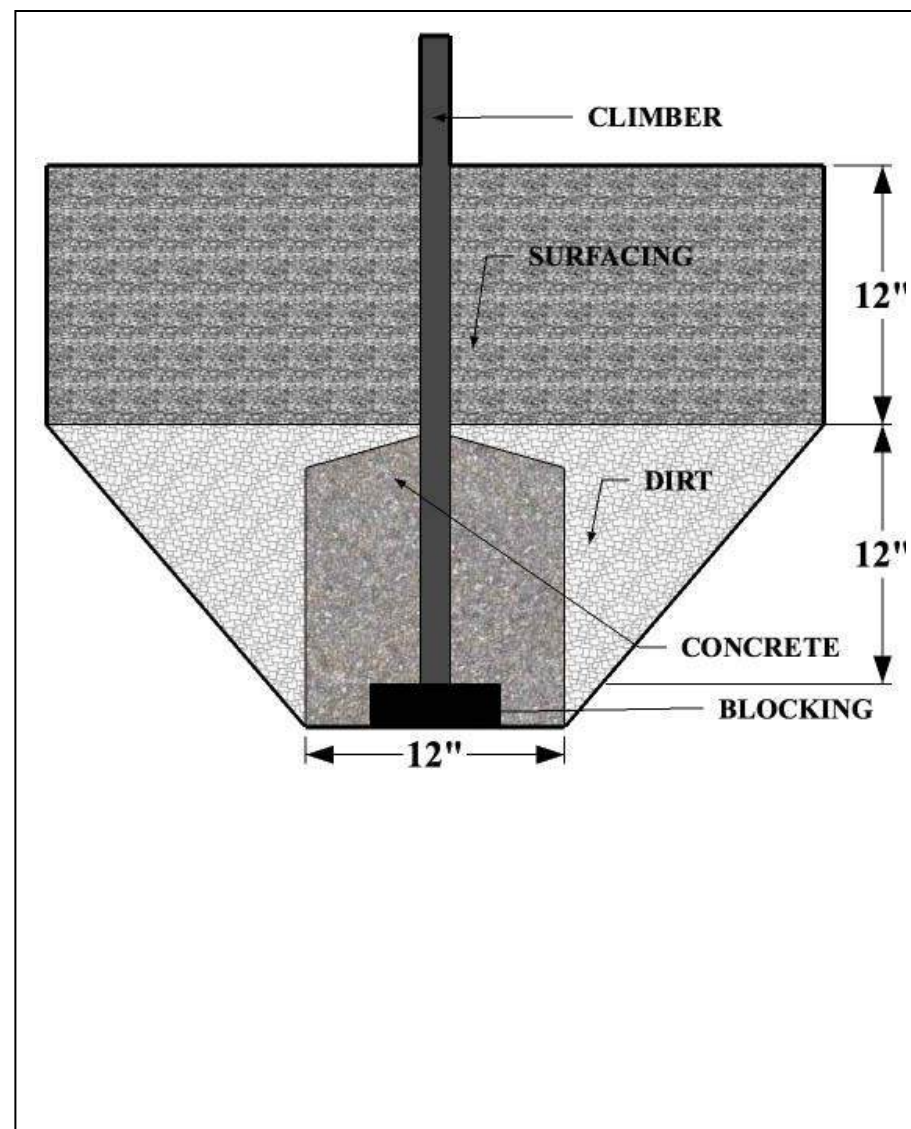
ID	PART #	DESCRIPTION	QTY
1	903-402	Chain Net 3' Deck	1
2	905-208	Attachment Bracket Gasket	4
3	905-526	Self-Tapping Screw	16
4	126-703	3/8" X 1" Button Head Bolt	4
5	316-601	3/8" Flat Washer	8
6	226-602	Lock Nut	4
7	923-212	Safety Enclosure/ Barrier	2
8	903-408	Top Support	1
9	903-409	Bottom Support	1

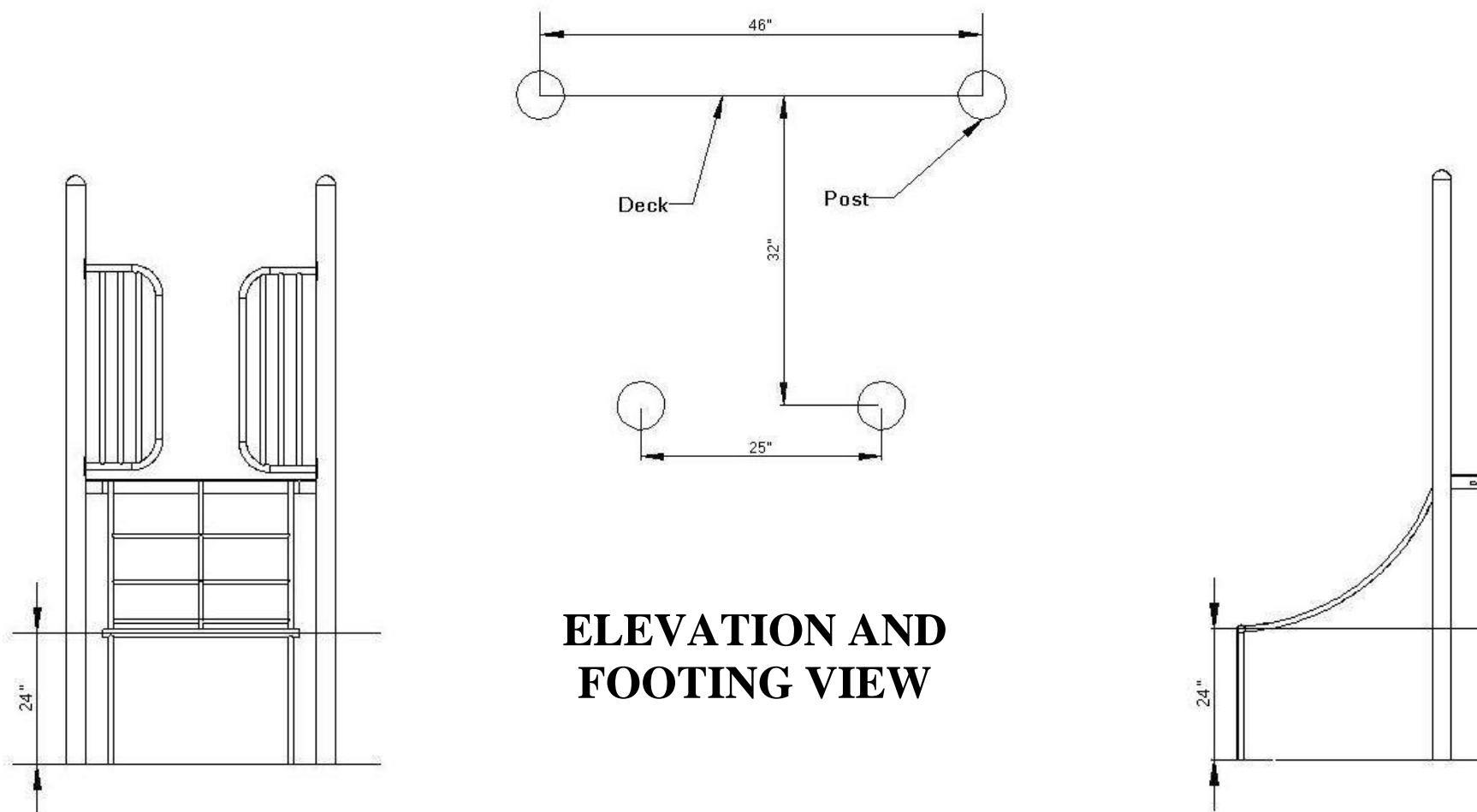
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



## FOOTING INFORMATION

- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you were using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.







## 922-161-3 CHAIN NET CLIMBER 3' DECK INSTALLATION INSTRUCTION

### SPECIFICATIONS

- **Tube** – FloCoat® Galvanized 1” and 1 3/8” O.D.
- **Hardware** – Stainless steel & tamper resistant
- **Paint** – Electrostatically applied & oven cured powder coat
- **Chain Net**- 4/O Galvanized Playground Chain with 1” tube MIG welded rungs. With a Electrostatically applied Thermoplastic Coating
- **Top Support**- 3/16”x 2” Flat HRPO with 1/4” Galvanized Playground Chain 1/2 links welded to flat stock.
- **Bottom Support**- 1 3/8” tube with 1/4” Galvanized Playground Chain 1/2 links welded to 1 3/8” tube.

### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

- (MUST INCLUDE SECTION IN STANDARD)

### INSTALLATION TIPS & TROUBLE SHOOTING

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.



### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a drill with the #7 drill bit, tape measure, level, S hook crimper, post hole digger, blocking material, and cement.

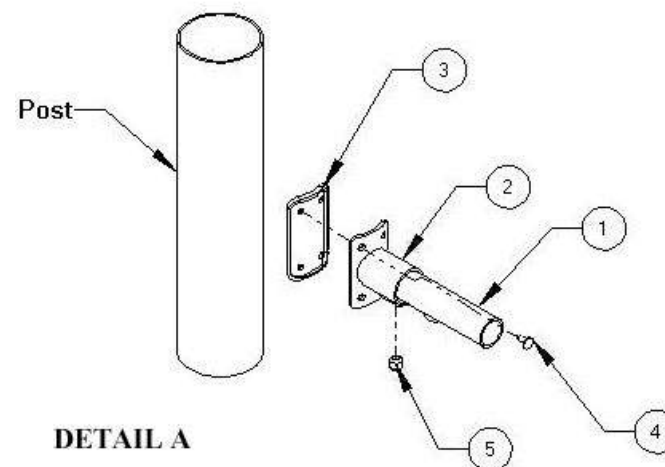
### **INSTALLATION STEPS**

**\_\_1) Review all instructions before beginning:**

**\_\_2) Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

**\_\_3) Locate placement of the Chain Net Climber:** See top down view of your instruction booklet.

**\_\_4) Install Safety Enclosure/Barriers:** After you have located the placement of the Chain Net you will need to install the Safety Enclosure/Barriers (8). First you will need to mark the holes on the post for the Safety Enclosure/Barriers. The top of the Safety Enclosure/Barriers must be 38" from the top surface of the deck to the top the 1 3/8" bent pipe. Mark and drill the holes. Secure the Safety Enclosure/Barriers to the posts with the Self Tapping Screws (3) making sure that the Attachment Bracket Gasket is between the Safety Enclosure/Barrier and post. (See detail A)

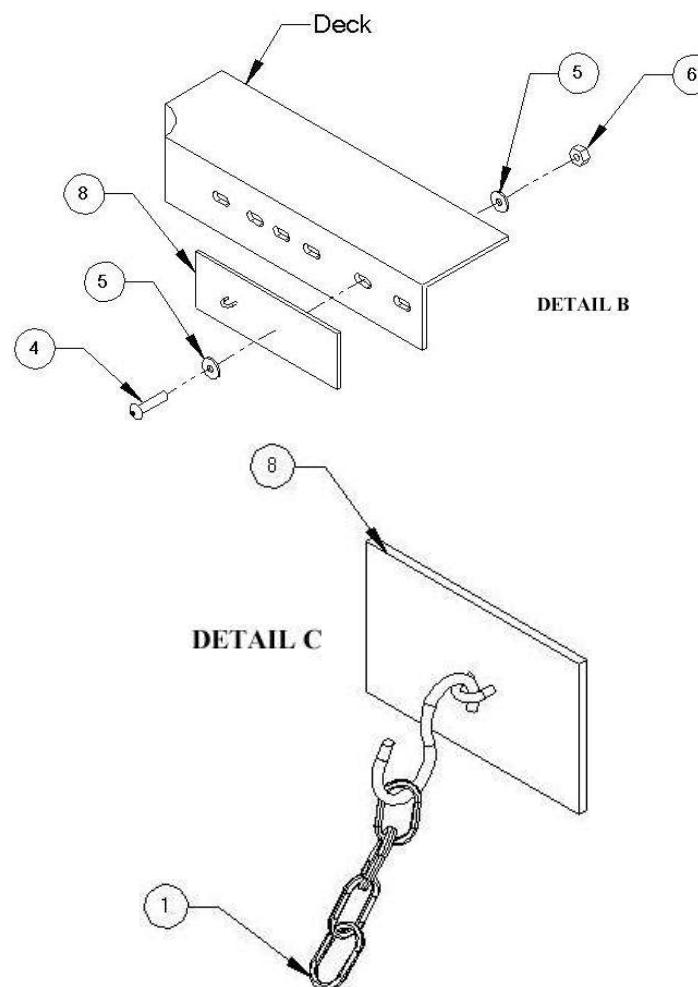


## INSTALLATION STEPS CONTINUED

\_\_5) **Install the Top Support:** This will mount to the face of the deck directly below the Safety Enclosure/Barriers. You will need the four 3/8" x 1" Button Head Bolts (4), eight 3/8" Flat Washers (5), and four Lock Nuts (6). Place one Flat Washer on a 3/8" x 1" Button Head Bolt and insert it through the factory punched hole in the top Bracket. Place it through the factory punched hole in the deck and secure it with a Flat Washer and Lock Nut on the underside of the deck. (See detail B)

\_\_6) **Dig Footings:** See Footing drawings and footing information on pages 3 & 4. Once you have the footings dug you can cement the Bottom Support into place. Before you pour the cement check the fit of the Chain Net from the Bottom Bracket to the Top Bracket. Have your helper measure from the Bottom Bracket to the outside of the post. Use this measurement to set the Bottom Bracket in the correct position. If needed use some type of blocking material to hold the Bottom Bracket in place while pouring the cement.

\_\_7) **Attach Chain Net Climber:** Attach the chain net to the top bracket first. Place the four S Hooks into the 1/2 link that is welded to the Top Bracket and crimp it tightly together with the S hook crimpers (Detail C). Next you will need to hook the Chain Net Climber to the Bottom Bracket and crimp the four S hooks (Detail D). **Do this step ONLY after the cement has dried.**

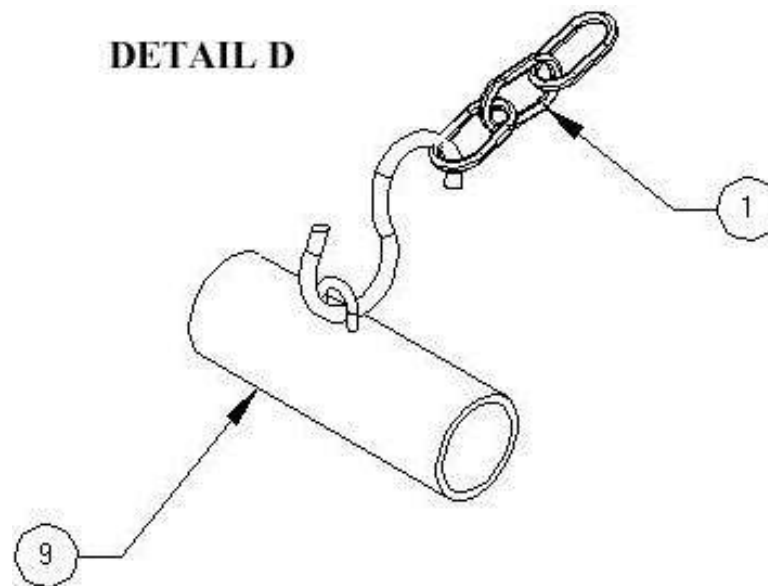


### **INSTALLATION STEPS CONTINUED**

\_\_8) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

\_\_9) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.

**DETAIL D**



### INSTALLATION DETAILS

- Recommended crew (Adult): 2
- Installation time: **1 min (2 man hr)**
- User age: **2-12 years**
- Use zone: **72 in. in front of climber**  
**72 in to right and left of climber**
- Weight: **69 lbs**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

### MAINTENANCE:

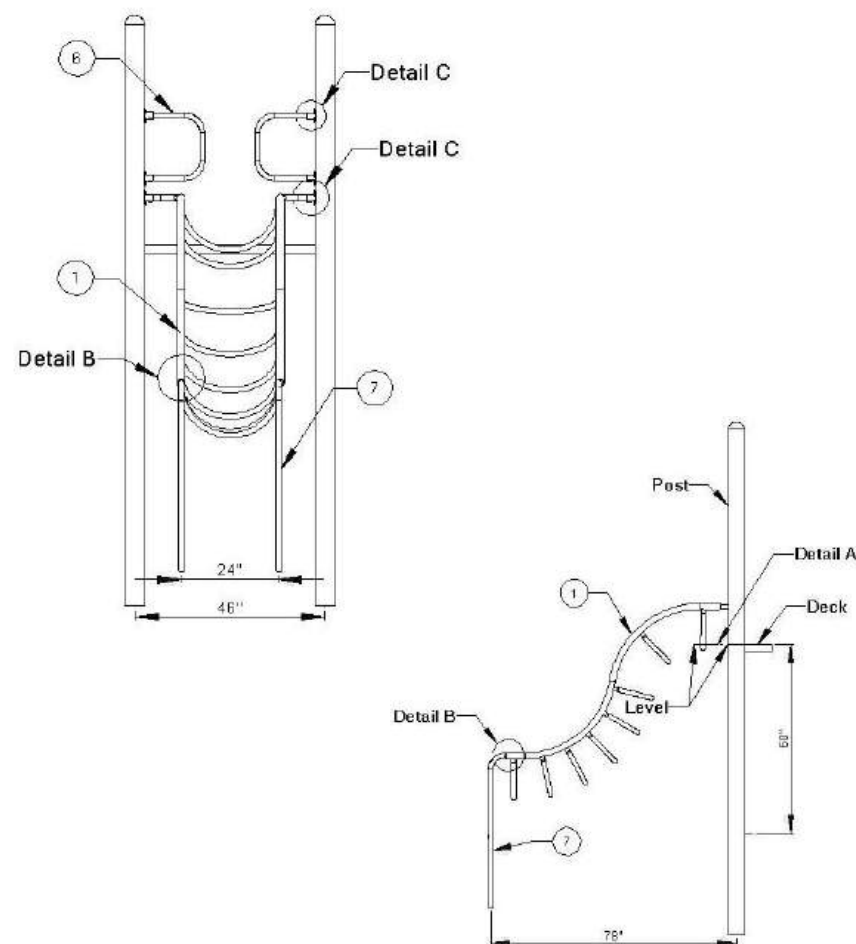
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



## PARTS LIST

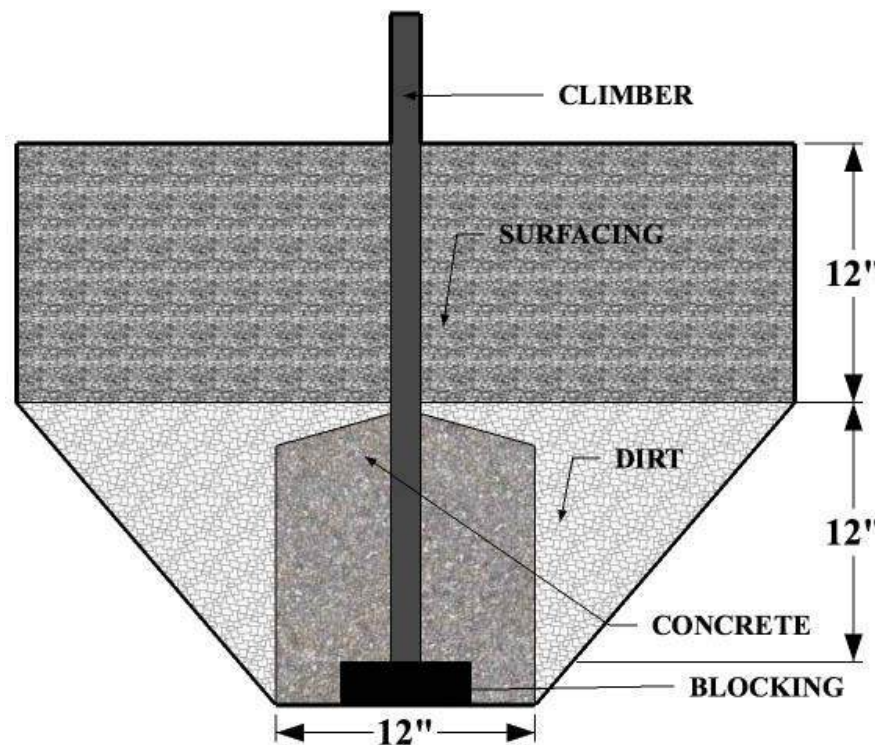
ID	PART #	DESCRIPTION	QTY
1	923-113	Half Circle Climber	1
2	913-402	Four-Hole Attachment Bracket	6
3	905-208	Attachment Bracket Gasket	6
4	905-526	Self-Tapping Screw	24
5	196-807	3/8"x3/8" Set Screw	6
6	923-174	Small Hand Holds	2
7	904-121	Leg for Half Circle Climber	2

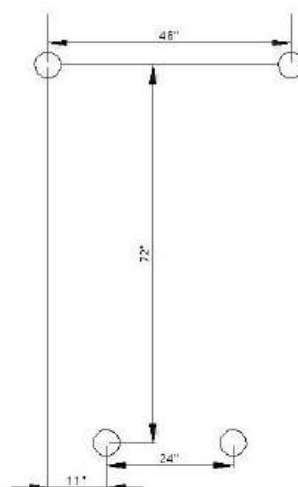
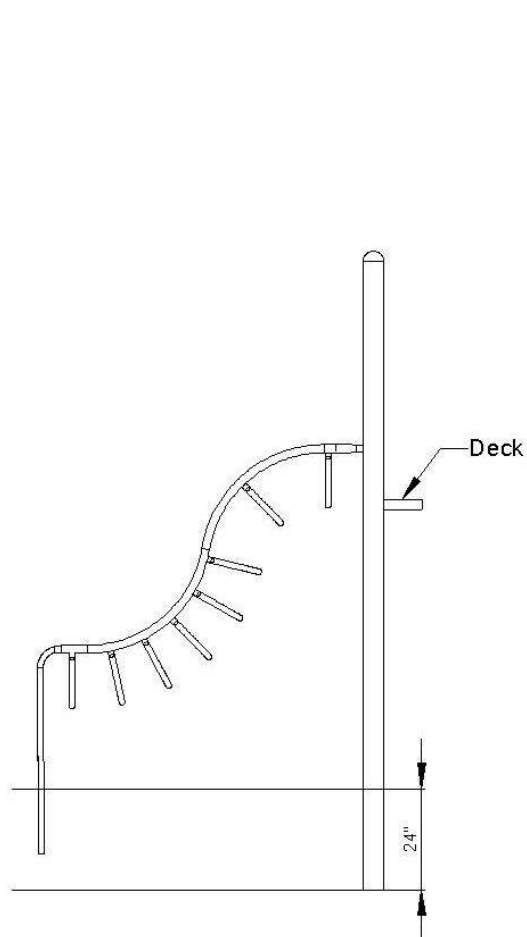
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



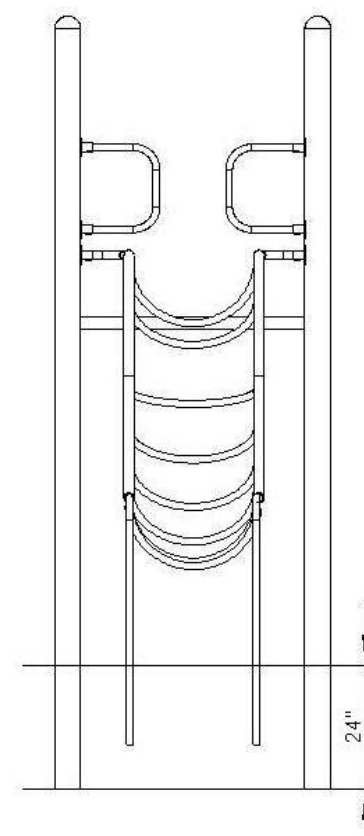
## FOOTING INFORMATION

- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you are using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.





## FOOTING AND ELEVATION VIEW





## 922-113 HALF CIRCLE CLIMBER INSTALLATION INSTRUCTION

### **SPECIFICATIONS**

- Paint – Electrostatically applied & oven cured powder coat
- Hardware – Stainless steel & tamper resistant
- Tube – FloCoat® Galvanized 1 3/8" OD and 1" OD.
- Attachment Bracket – Powder coated cast aluminum
- Half Circle Climber-1 7/8" Tube with 1 3/8" rungs welded together.
- Small Hand Holds- 1 3/8" tube bent into a "U" shape.

### **SPECIAL SAFETY & ASTM COMPLIANCE NOTES**

- Any opening must either be less than 3 1/2" or more than 9" to eliminate any possible head or neck entrapment.

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.



### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a post hole digger or shovel, drill with a #7 bit, level, tape measure, dry erase marker and blocking material.

### **INSTALLATION STEPS**

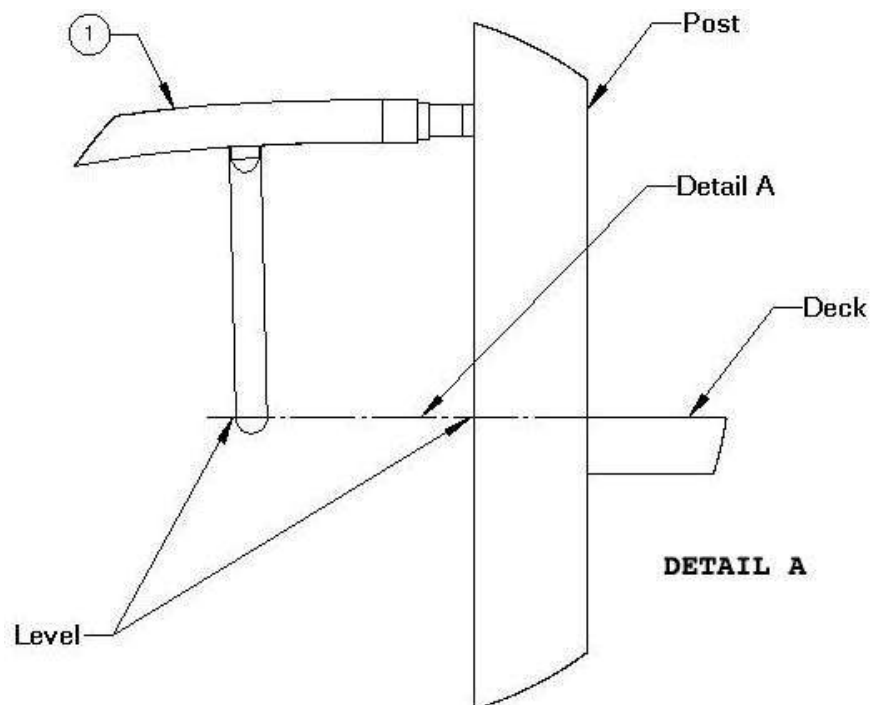
\_\_1) **Review all instructions before beginning**

\_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

\_\_3) **Locate placement of the Half Circle Climber:** See top down view of your instruction booklet

\_\_4) **Dig Footing Holes:** You must refer to the footing layout page to determine the measurements for this. With the positioning of the bars on the Caterpillar Climber you may need to dig the footing holes at an angle.

\_\_5) **Layout holes to attach the Half Circle Climber:** You will need the Half Circle Climber (1) and two Four Hole-Attachment Brackets (2). Place one Four Hole-Attachment Bracket on each of the bent stubs of the Half Circle Climber, next you will need to slide the assembly between the posts that the Half Circle Climber attaches to. The height of the Four Hole-Attachment Bracket is determined by leveling the surface of the deck and the first rung of the Half Circle Climber to each other. (See detail A) Have you helper mark the all of the holes in the Four Hole-Attachment Brackets with the dry erase marker.



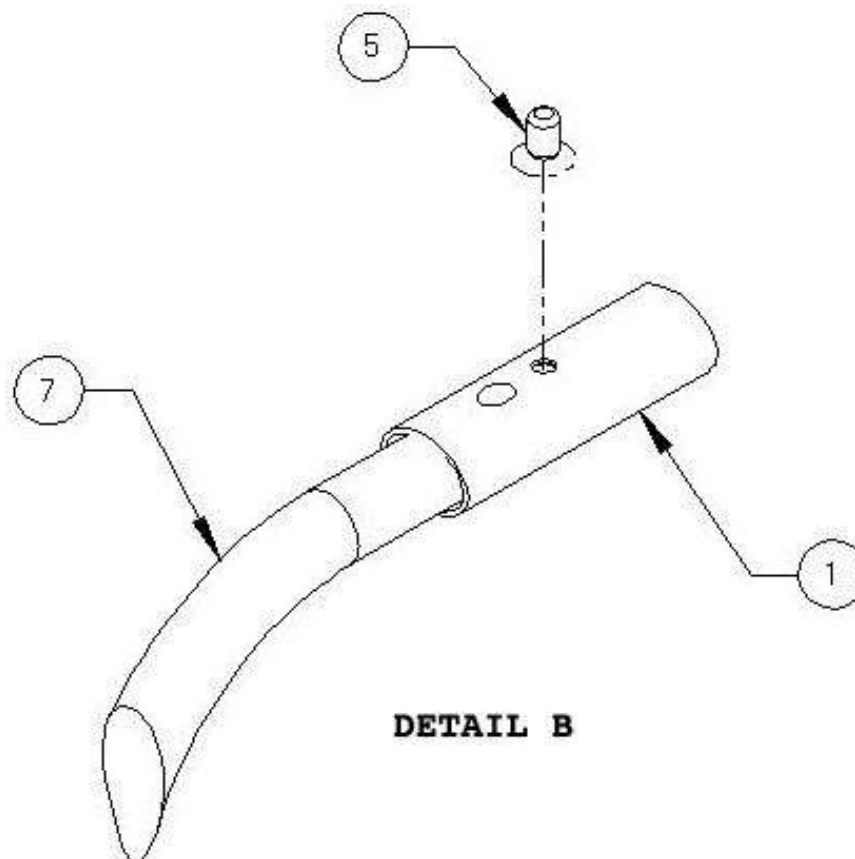
## INSTALLATION STEPS CONTINUED

\_\_6) **Layout the holes for the Small Hand Holds:** After you have the holes for the Half Circle Climber you will need to mark the holes for the Four Hole Brackets (2) that will hold the Small Hand Holds (6) in place. The top of the Small Hand Hold must be a minimum of 38" from the top of the surface of the deck to the top of the Small Hand Hold, the distance between the Small Hand Holds cannot be any more than 15". Place a Four Hole Bracket on each end of the Small Hand Hold, determining the proper height, then mark and drill the holes with a #7 drill bit for all six of the Four Hole Brackets.

\_\_7) **Install the Four Hole Brackets:** Install the Self-Tapping Screws (4) into the holes you have drilled in the posts with the Attachment Bracket Gasket (3) between the post and Four-Hole Attachment Bracket. Making sure the threaded hole is facing the ground. (See detail B) ***You will have to install the Half Circle Climber and the Four Hole Attachment Brackets as an assembly. The Caterpillar Climber will not fit into the Four Hole Brackets if they are installed onto the post first.***

\_\_8) **Secure the Small Hand Holds to the Attachment Brackets:** Slide a Small Hand Hold into two of the Four Hole Brackets. Next install and tighten the 3/8" x 3/8" Set Screw (5) in the Four-Hole Brackets. (See detail B)

\_\_9) **Repeat this step for the other Small Hand Hold.**



**DETAIL B**

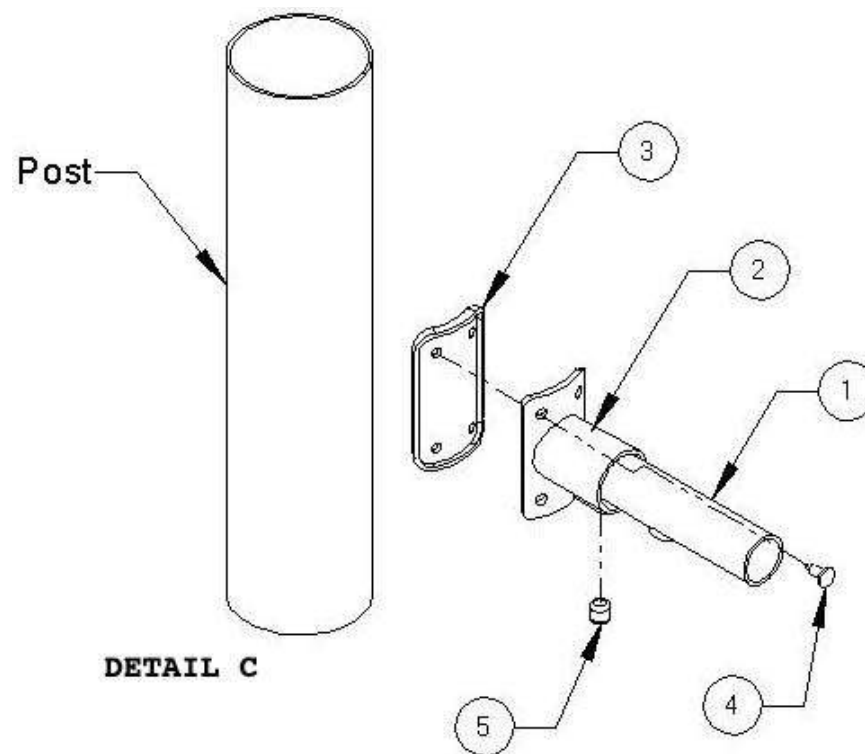
### INSTALLATION STEPS CONTINUED

\_\_10) **Installing Legs for Half Circle Climber:** Insert the Legs for Half Circle Climber (7) into the bottom half of the Half Circle Climber (See Detail B) with the long end going into the ground. After you vertically level the legs, tighten your 3/8" x 3/8" Set Screw (5) to hold the legs in place.

\_\_11) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.

\_\_12) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.

\_\_13) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris, and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing





## 922-113 HALF CIRCLE CLIMBER INSTALLATION INSTRUCTION

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### **INSTALLATION DETAILS**

- Recommended crew (Adult): 2
- Installation time: **1 min (2 man hr)**
- User age: **2-12 years**
- Use zone: **72 in. in front of climber**  
**72 in to right and left of climber**
- Weight: **69 lbs**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

### **MAINTENANCE:**

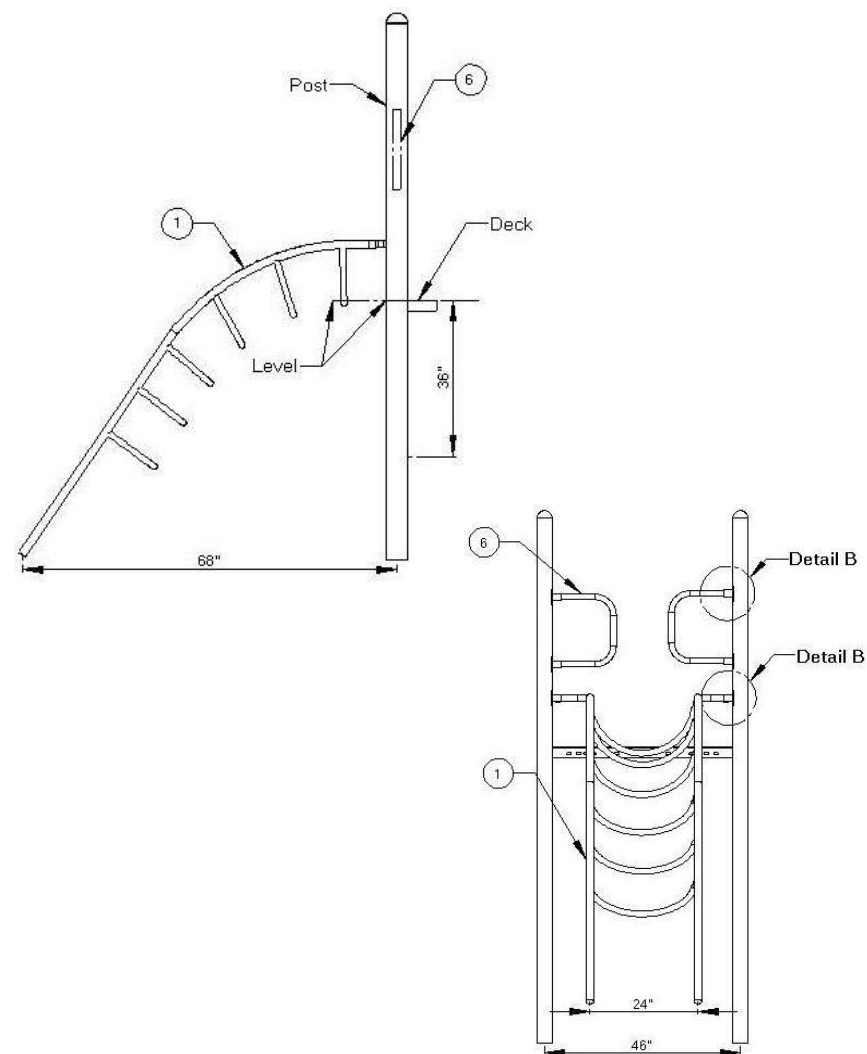
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



## PARTS LIST

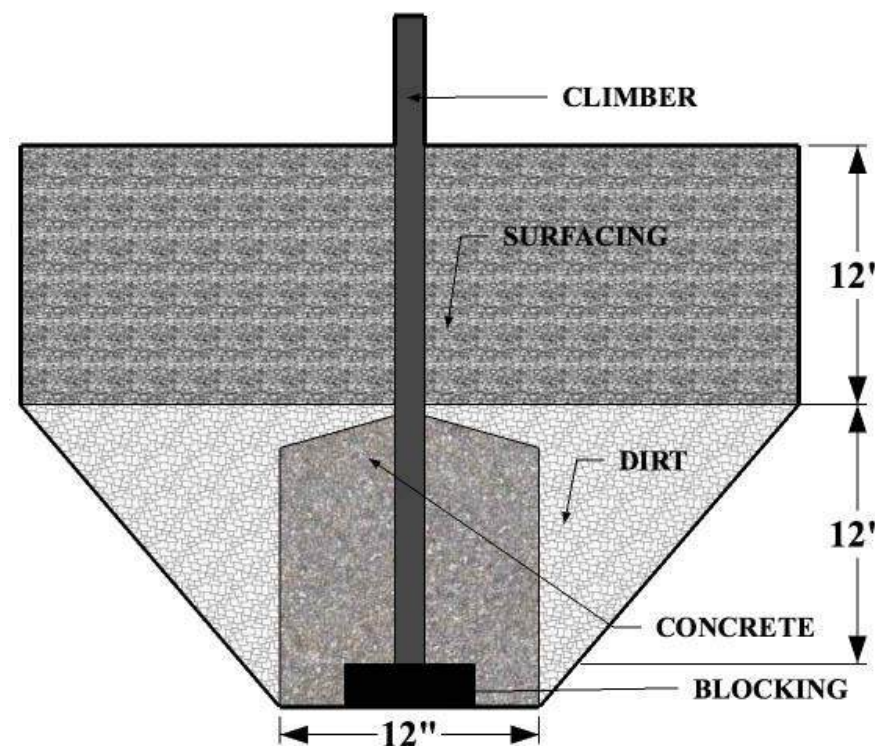
ID	PART #	DESCRIPTION	QTY
1	923-110	Caterpillar Climber	1
2	913-402	Four-Hole Attachment Bracket	6
3	905-208	Attachment Bracket Gasket	6
4	905-526	Self-Tapping Screw	24
5	196-807	3/8"x3/8" Set Screw	6
6	923-174	Small Hand Holds	2

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.

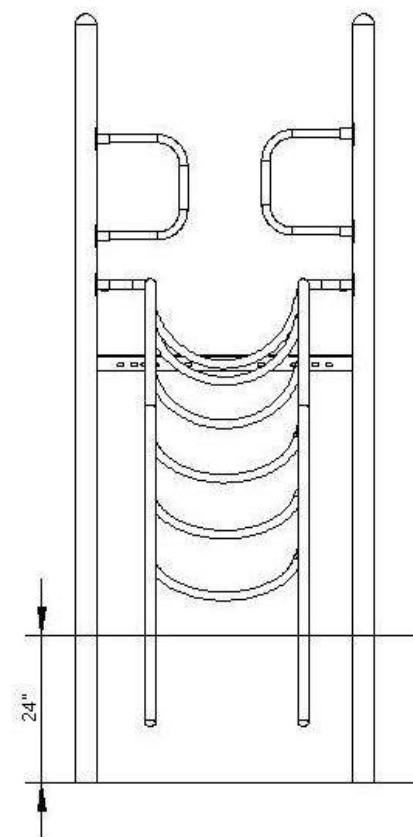
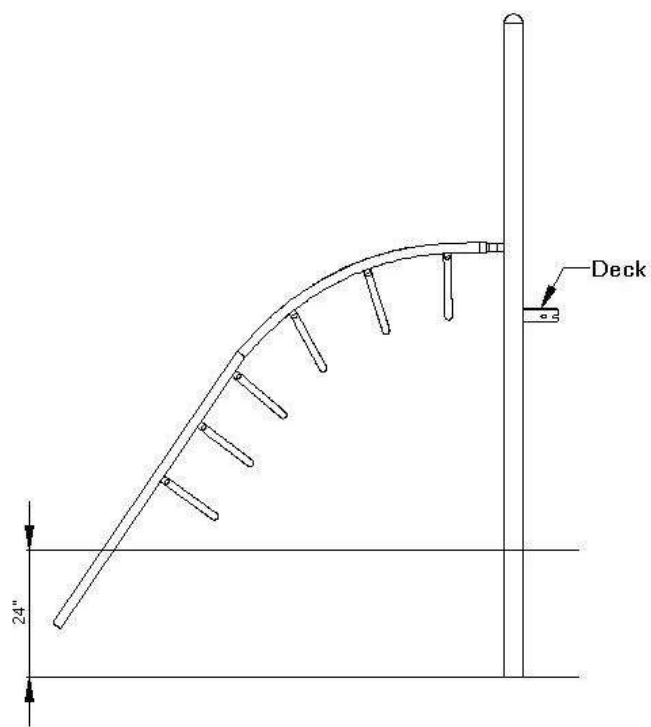
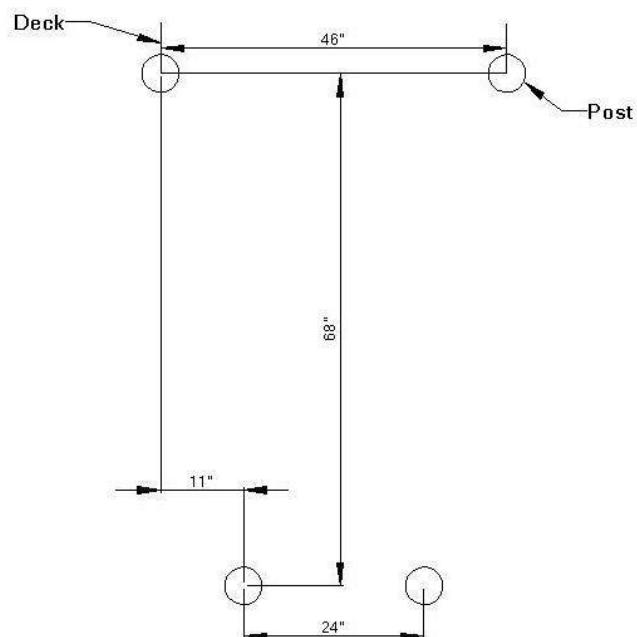


## FOOTING INFORMATION

- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you are using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.



## FOOTING & ELEVATION VIEW







## 922-110 CATERPILLAR CLIMBER INSTALLATION INSTRUCTION

### **SPECIFICATIONS**

- Paint – Electrostatically applied & oven cured powder coat
- Hardware – Stainless steel & tamper resistant
- Tube – FloCoat® Galvanized 1 3/8” OD and 1” OD.
- Attachment Bracket – Powder coated cast aluminum
- Caterpillar Climber-1 7/8” Tube with 1 3/8” rungs welded together.
- Small Hand Holds- 1 3/8” tube bent into a “U” shape.

### **SPECIAL SAFETY & ASTM COMPLIANCE NOTES**

- Any opening must either be less than 3 1/2” or more than 9” to eliminate any possible head or neck entrapment.

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a post hole digger or shovel, drill with a #7 bit, level, tape measure, dry erase marker and blocking material.

### **INSTALLATION STEPS**

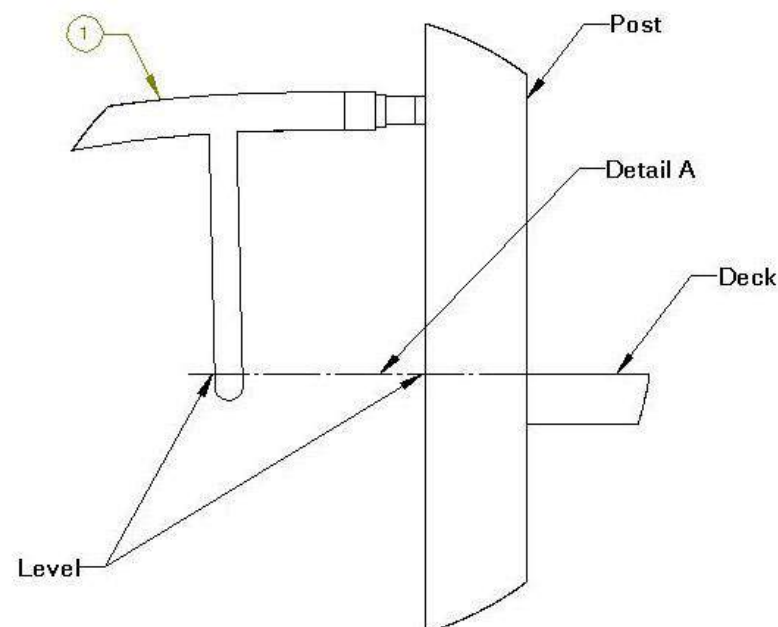
\_\_1) **Review all instructions before beginning**

\_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

\_\_3) **Locate placement of the Caterpillar Climber:** See top down view of your instruction booklet

\_\_4) **Dig Footing Holes:** You must refer to the footing layout page to determine the measurements for this. With the positioning of the bars on the Caterpillar Climber you may need to dig the footing holes at an angle.

\_\_5) **Layout holes to attach the Caterpillar Climber:** You will need the Caterpillar Climber (1) and two Four Hole-Attachment Brackets (2). Place one Four Hole-Attachment Bracket on each of the bent stubs of the Caterpillar Climber, next you will need to slide the assembly between the posts that the Caterpillar Climber attaches to. The height of the Four Hole-Attachment Bracket is determined by leveling the surface of the deck and the first rung of the Caterpillar Climber to each other. (See detail A) Have you helper mark the all of the holes in the Four Hole-Attachment Brackets with the dry erase marker.



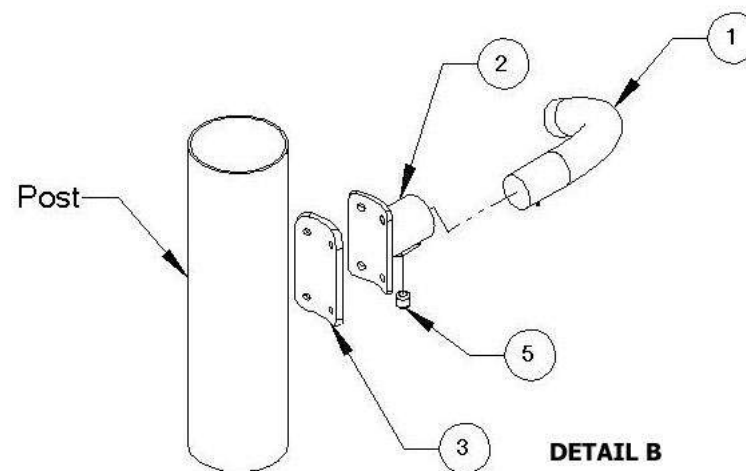
### **INSTALLATION STEPS CONTINUED**

**\_\_6) Layout the holes for the Small Hand Holds:** After you have the holes for the Caterpillar Climber you will need to mark the holes for the Four Hole Brackets (2) that will hold the Small Hand Holds (6) in place. The top of the Small Hand Hold must be a minimum of 38" from the top of the surface of the deck to the top of the Small Hand Hold, the distance between the Small Hand Holds cannot be any more than 15". Place a Four Hole Bracket on each end of the Small Hand Hold, determining the proper height, then mark and drill the holes with a #7 drill bit for all six of the Four Hole Brackets.

**\_\_7) Install the Four Hole Brackets:** Install the Self-Tapping Screws (4) into the holes you have drilled in the posts with the Attachment Bracket Gasket (3) between the post and Four-Hole Attachment Bracket. Making sure the threaded hole is facing the ground. (See detail B) ***You will have to install the Caterpillar Climber and the Four Hole Attachment Brackets as an assembly. The Caterpillar Climber will not fit into the Four Hole Brackets if they are installed onto the post first.***

**\_\_8) Secure the Small Hand Holds to the Attachment Brackets:** Slide a Small Hand Hold into two of the Four Hole Brackets. Next install and tighten the 3/8x3/8" Set Screw (5) in the Four-Hole Brackets. (See detail B)

**\_\_9) Repeat this step for the other Small Hand Hold.**





**INSTALLATION STEPS CONTINUED**

\_\_10) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.

\_\_11) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.

\_\_12) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris, and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing

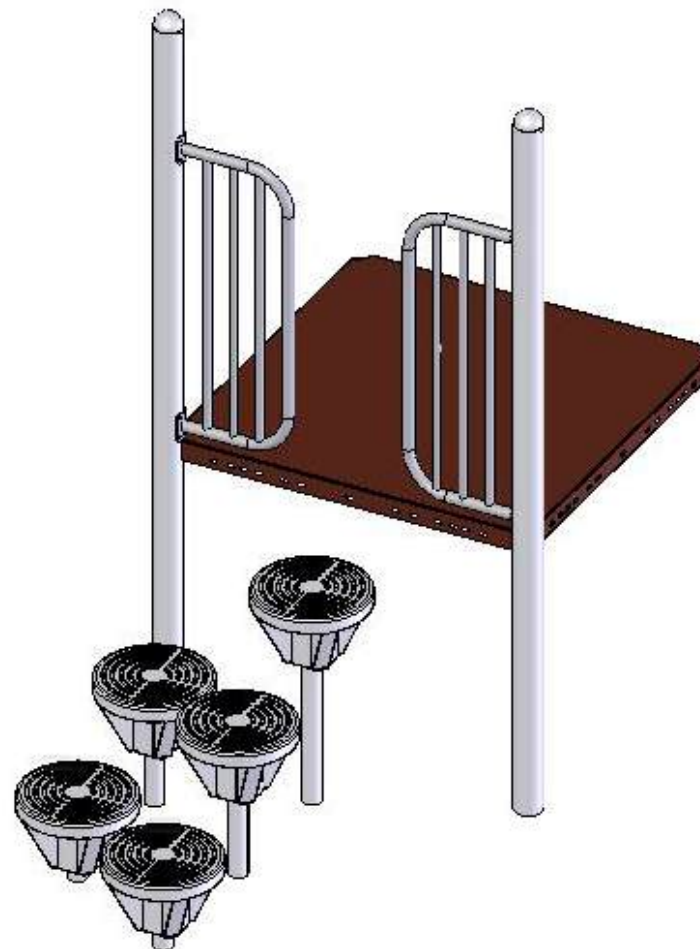
### **INSTALLATION DETAILS**

- Recommended crew (Adult): 2
- Installation time: **1 (2 man hrs)**
- User age: **2-5 for up to a 20" deck**  
**5-12 for up to a 36" deck**
- Use zone: see **Special Safety Notes**
- Weight: **55 lbs**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

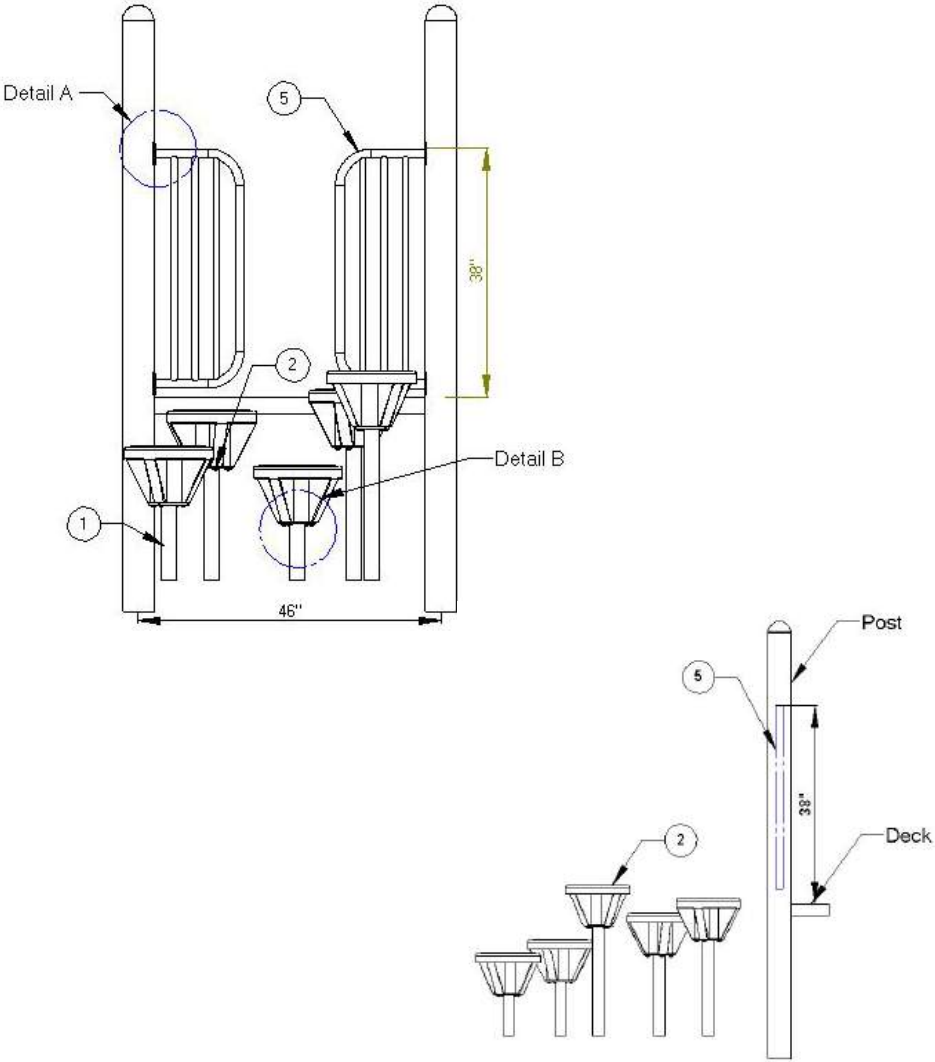
### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed, and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



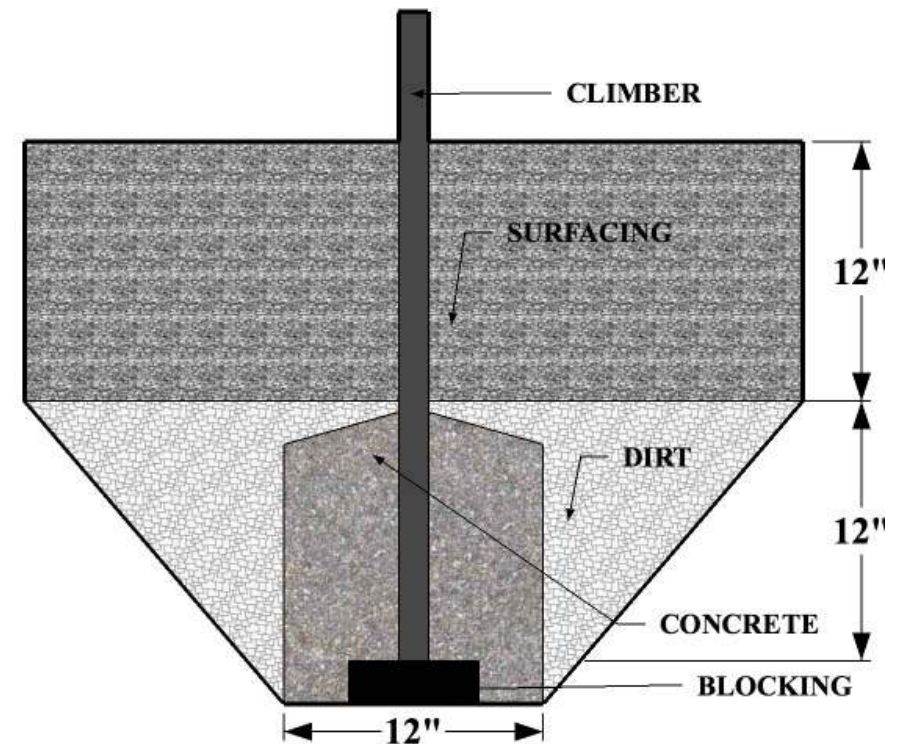
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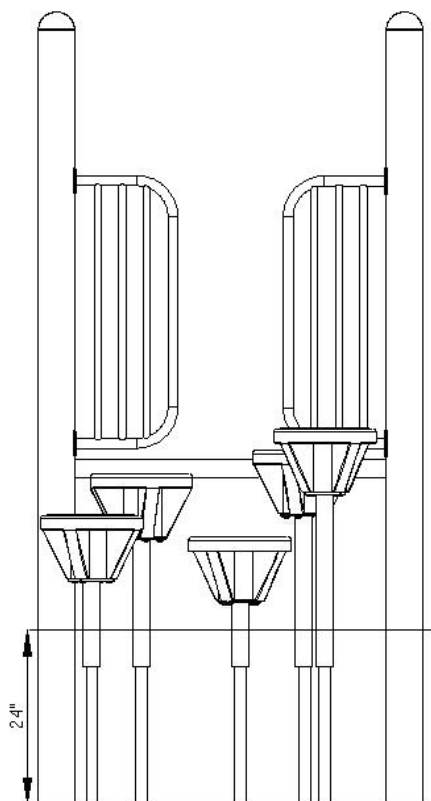
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



### FOOTING INFORMATION

- The stepping stone footing depth is unique when compared to other footings. The footing varies based on your layout of the individual steps. Follow the instructions in the installation steps and ensure that you maintain proper spacing and elevation requirements between the steps. The drawing to the right is an example of a footing and the depth measurement is an example as each hole depth will vary based on your desired installation height.
- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.





**Installed Spacing & Heights Requirements**

2-5 Age Group: Max height is 20" Above Surfacing  
Max spacing is 12" Apart

5-12 Age Group: Max height is 30" Above Surfacing  
Max Spacing is 18" Apart





## 922-142 STEPPING STONES INSTALLATION INSTRUCTION

### SPECIFICATIONS

- **Paint** – Electrostatically applied & oven cured powder coat
- **Hardware** – Stainless steel & tamper resistant
- **Tube** – FloCoat® Galvanized 1 3/8” OD and 1” OD.
- **Stepping Stone Leg**- 2 3/8” tube MIG welded to 3/16” steel plate
- **Stepping Stone Plastic set of parts**- 3/4” HDPE UV stabilized plastic
- **Safety Enclosure/Barrier**- 1 3/8” bent tube with 1” tube rungs MIG welded together.

### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

- Safety Surfacing must extend 72” past the furthest Stepping Stone from the deck it installs to, and 72” wider than the greatest distance of the Stepping Stones.

### INSTALLATION TIPS & TROUBLE SHOOTING

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply loctite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a shovel or post hole digger, cement, drill with a #7 drill bit, 9/16" wrench, tape measure, dry erase marker, level and blocking material to support the Stepping Stone Legs.

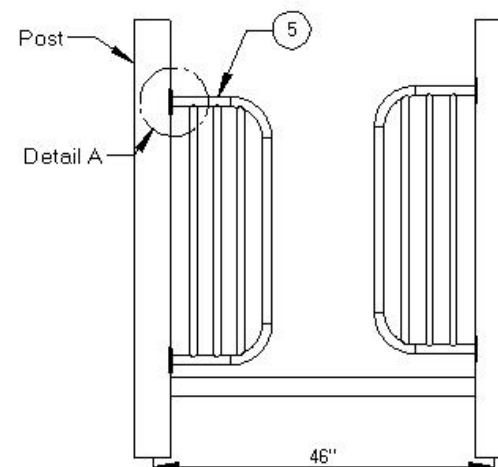
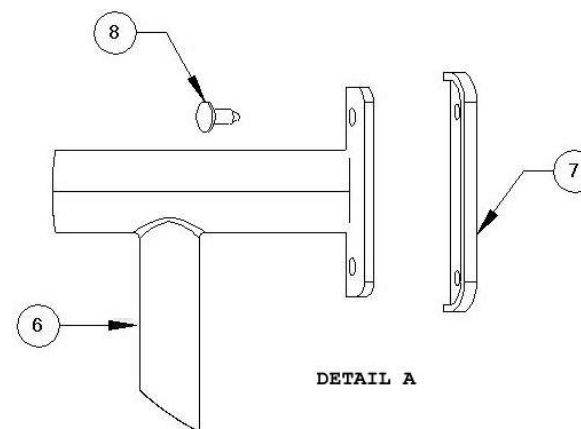
### **INSTALLATION STEPS**

**1) Review all instructions before beginning**

**2) Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

**3) Locate placement of the Stepping Stones:** See top down view of your instruction booklet.

**4) Layout holes for Safety Enclosure/Barriers:** After you locate the placement of the Stepping Stones you will need to install the Safety Enclosures/Barriers (5). The top of the Safety Enclosures/Barriers should be 38" from the top of the surface of the deck to the top of the Safety Enclosures/Barriers. With help hold the Safety Enclosures/Barriers up to the post that it will connect to and mark the hole with a dry erase marker. Drill these holes with the #7 drill bit. Repeat this step for the other side of the Safety Enclosures/Barriers. (See Front View Drawing to the right)





**INSTALLATION STEPS CONTINUED**

**\_\_5) Attach the Safety Enclosures/Barriers:** Now you will need to attach the Safety Enclosures/Barriers. Insert the Self Tapping Screws through the holes in the Safety Enclosures/Barriers. Place an Attachment Bracket Gasket (6) between the post and the Safety Enclosures/Barriers. Tighten the Self Tapping Screws (7). Repeat this for the other Safety Enclosures/Barriers. (See Detail A)

**\_\_6) Dig your footings:** The footing holes for the Stepping Stone Legs cannot be any further than 12” apart.

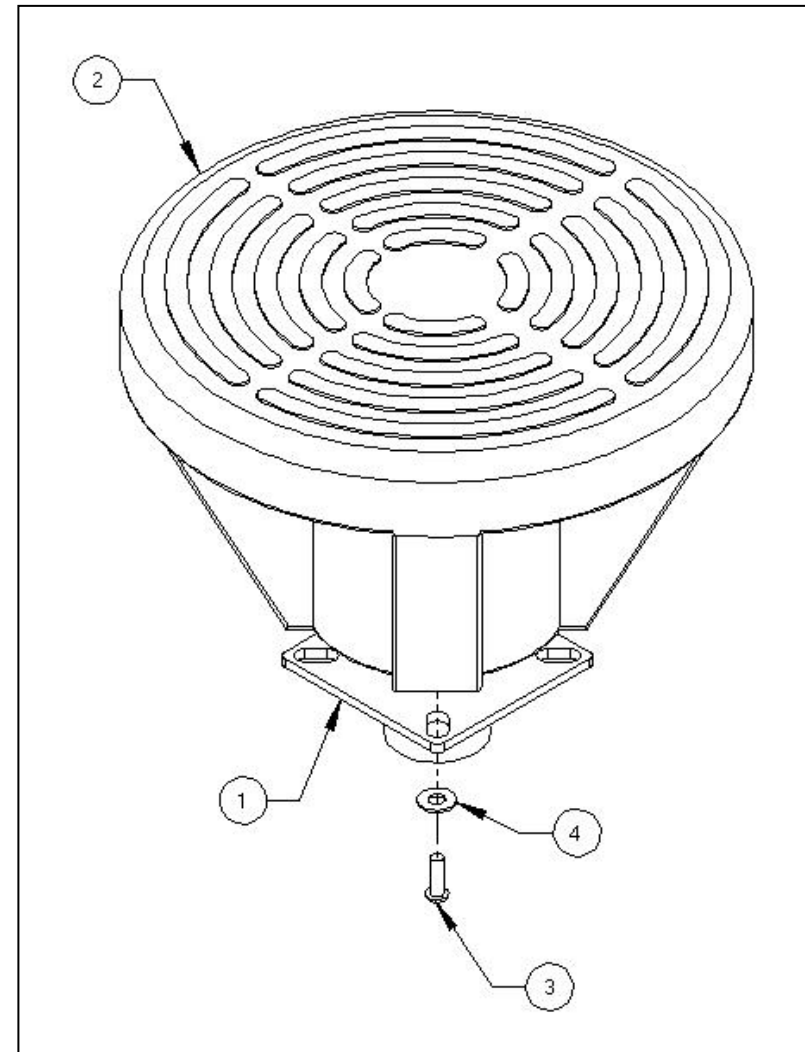
**\_\_7) Set Stepping Stone Legs:** After you have the footings dug you will need to place the Stepping Stone Legs (1) in the footing holes. The Stepping Stones can be no further apart than 12” with a step height of no more than 6”. You will need to use blocking material to hold the legs in to a level position and to get them to stay at the proper height. Now you can pour the cement into the footing holes. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer’s directions before you pour it into the footing hole.

### **INSTALLATION STEPS CONTINUED**

**8) Install Stepping Stone Plastic Parts:** After the cement has dried you can install the Stepping Stone Plastic parts. You will need the 3/8" x 1 1/2" bolts (3), 3/8" Flat Washers (4). Place one 3/8" Flat Washer on to one of the 3/8" x 1 1/2" Button Head Bolts. Insert this through the Plastic Stepping Stone (2) and into the Leg (1) on the bottom side of the Leg. Repeat this until the Stepping Stones are installed. (See Detail B)

**9) Once the concrete has set,** back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

**10) Inspect the components:** for sharp edges and if necessary, file them down and apply touch up paint.



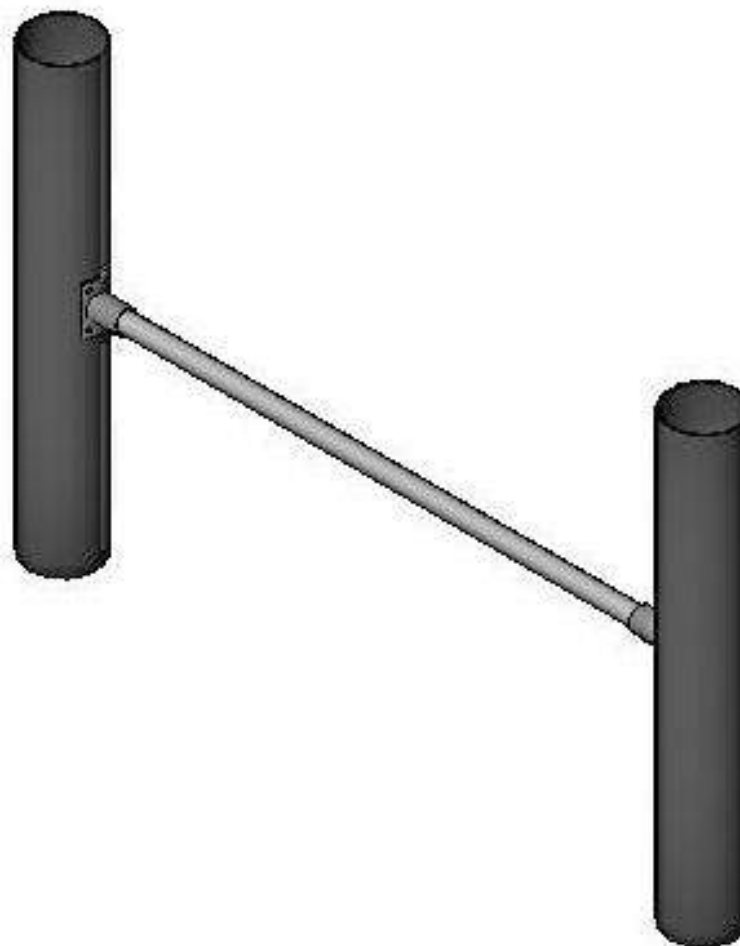
### **INSTALLATION DETAILS**

- Recommended crew (Adult): **1**
- Installation time: **1hr (1 man hrs)**
- User age: **2-12** refer to the ASTM compliance notes for **proper installation heights.**
- Use zone: **72" in all directions**
- Weight: **7 lbs**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required

### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



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Figure 1 is a schematic diagram of the test setup. It shows a horizontal beam (labeled 1) supported by two vertical posts (labeled 2). The distance between the posts is 46 inches. A detail view 'Detail A' is shown at the right end of the beam, indicating the location of the force transducer.



## SPECIFICATIONS

- **Chin/Turn Bar**– FloCoat® Galvanized 1 3/8” O.D.
- **Hardware** – Stainless steel & tamper resistant
- **Paint** – Electrostatically applied & oven cured powder coat
- **Attachment Bracket** – Powder coated cast aluminum

## SPECIAL SAFETY & ASTM COMPLIANCE NOTES

### The maximum height of upper body devices for use by

- **2 through 5-year-olds** shall be no greater than 60 in. (1524mm), measured from the center of the grasping device to the top of the protective surfacing below.
- **5 through 12-year-olds** shall be no greater than 84 in. (2130 mm). Upper body equipment intended for users in wheelchairs shall have grasping devices no greater than 54 in. (1370 mm) above the accessible surface

## INSTALLATION TIPS & TROUBLE SHOOTING

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a level and a dry erase marker.

### **INSTALLATION STEPS**

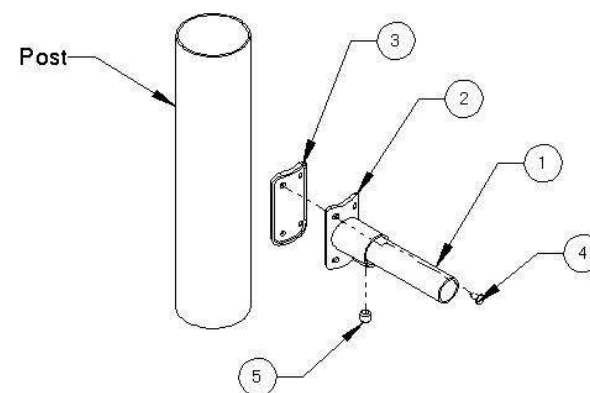
\_\_1) **Review all instructions before beginning:**

\_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

\_\_3) **Locate placement of the Chin/Turn Bar:** See top down view of your instruction booklet

\_\_4) **Mark posts for location of Four-Hole Brackets:** After you have the proper location, layout the measurements for the Four-Hole Brackets. To do this you must determine the age group of your playground, 2 through 5-year-olds shall be no greater than 60 in. (1524mm), and 5 through 12-year-olds shall be no greater than 84 in. (2130 mm) to the center of the rung of the Chin/Turn Bar. Once you determined the proper placing, mark and drill the holes for the Four-Hole Brackets. (See detail A)

\_\_5) **Install Chin/Turn Bar:** With a Four-Hole Attachment Bracket on each end of the Chin/Turn Bar, install it with the Self-Taping screws (4) in the holes that you predrilled in the previous step, and install the Four-Hole brackets with the threaded hole facing down, and the Attachment Bracket Gasket (3) between the bracket and the post. (See detail A)



DETAIL A





**INSTALLATION STEPS CONTIUDE**

\_\_6) **Secure Chin/Turn Bar:** Using the 3/8" x 3/8" Set Screw (5) insert it into the threaded hole in the Four-Hole Bracket and secure the Chin/Turn Bar to the posts.(see detail B)

\_\_7) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.

\_\_8) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

\_\_9) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.



## 922-102 CHIN/TURN BAR INSTALLATION INSTRUCTION

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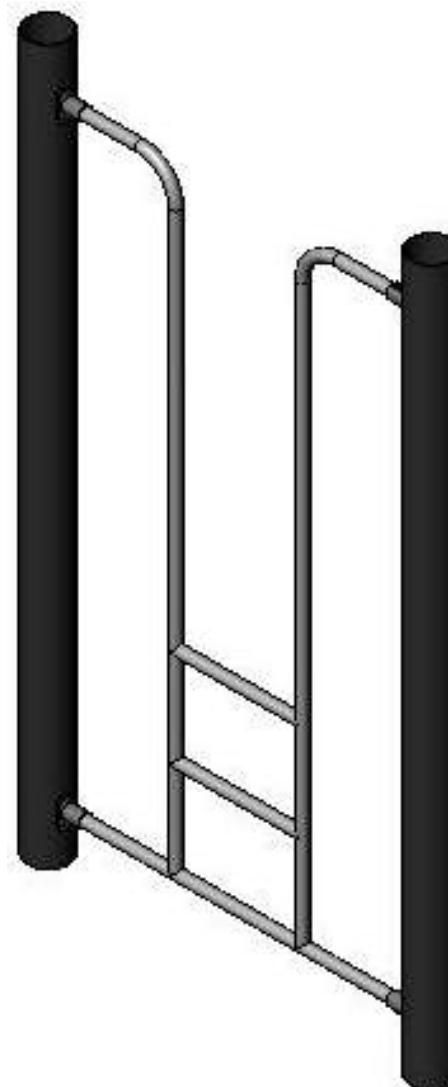
### **INSTALLATION DETAILS**

- Recommended crew (Adult): 2
- Installation time: **30 min (1 man hr)**
- User age: **2-12**
- Use zone: **72" from all sides of Vertical Climber**
- Weight: **32 lbs**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

### **MAINTENANCE:**

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed, and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.

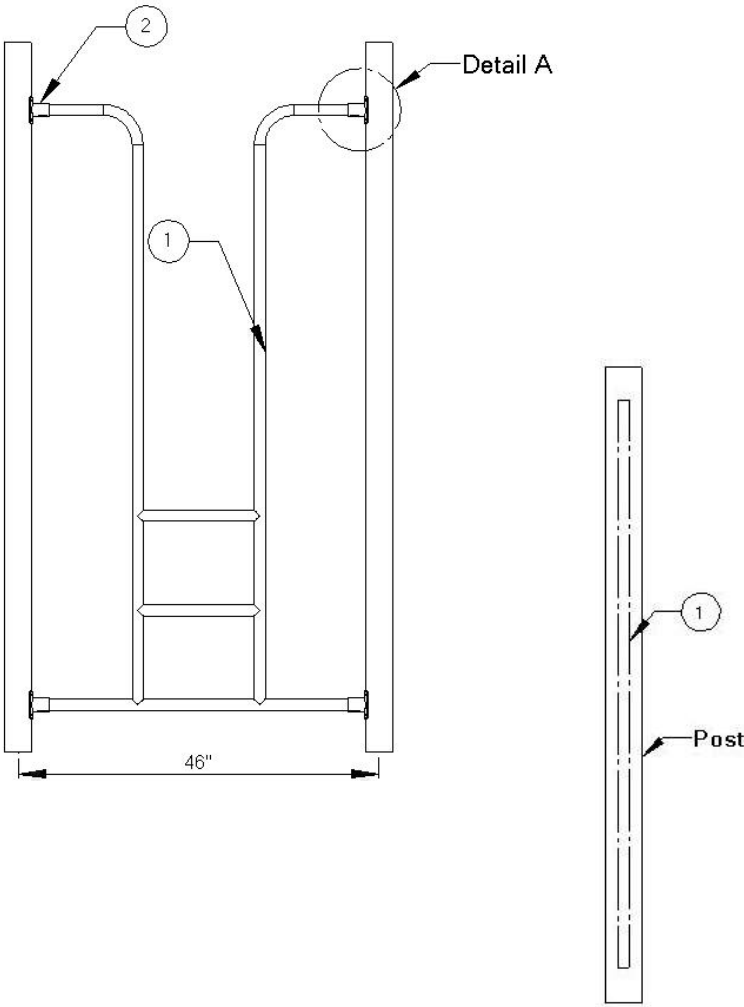




## PARTS LIST

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**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.





## 922-117 VERTICAL CLIMBER INSTALLATION INSTRUCTION

### SPECIFICATIONS

- **Tube** – FloCoat® Galvanized 1 3/8” O.D.
- **Hardware** – Stainless steel & tamper resistant
- **Paint** – Electrostatically applied & oven cured powder coat
- **Attachment Bracket** – Powder coated cast aluminum
- **Vertical Climber**- 1 3/8” O.D. tube MIG welded together

### INSTALLATION TIPS & TROUBLE SHOOTING

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

## **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a drill with the #7 bit, tape measure, and level.

## **INSTALLATION STEPS**

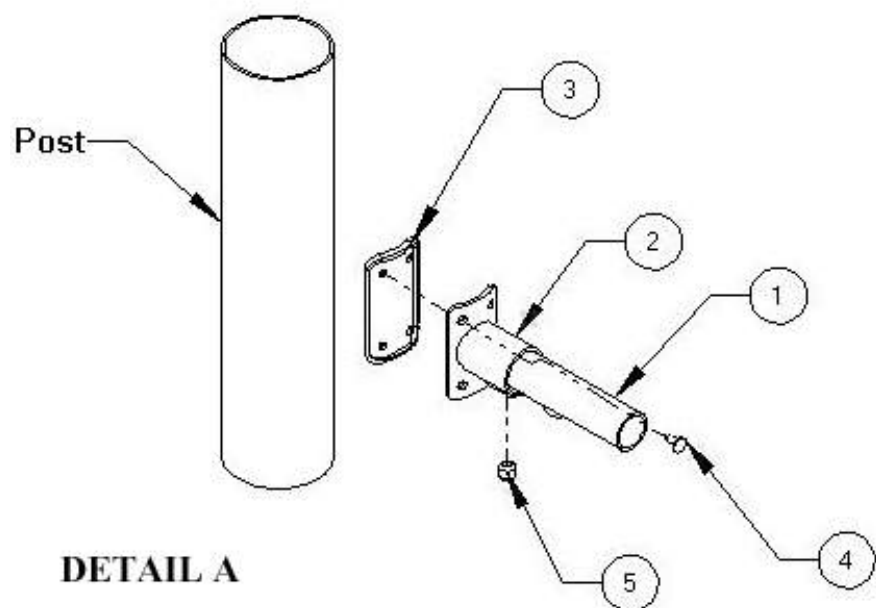
**1) Review all instructions before beginning:**

**2) Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

**3) Locate placement of the Vertical Climber:** See top down view of your instruction booklet

**4) Mark posts for location of Four-Hole Brackets:** After you have the proper location, place the Four Hole Brackets (2) onto the attachment points of the Vertical climber (1). Now you can layout the measurements for the Four-Hole Brackets. To do this you must determine the age group of your playground, for 2 through 5-year-olds you will need to install the bottom rung of the Vertical Climber 8" above the surfacing, and for 5 through 12-year-olds the Four Hole Bracket for the Vertical Climber will be mounted directly below the Four Hole Brackets for the overhead climber it will be accessing. Once you determined the proper placing of the Four-Hole Brackets mark and drill the holes for the Four-Hole Brackets on one end of the Straight Horizontal ladder (see detail A)

**TIP: It's easier to install the self-tapping screws if you pre drill the holes in the post with a #7 drill bit by marking the hole locations with a dry erase marker after you have put the guard wall into position.**





### **INSTALLATION STEPS CONTINUED**

\_\_5) **Install Four Hole Brackets:** With help lift the Vertical Climber (1) into position with the Four Hole Brackets (2) on the attachment points of the Vertical Climber. Install the Self Tapping Screws (4) through the Four Hole Attachment Bracket and Attachment Bracket Gasket (3) and into the post. Make sure that the threaded hole for the setscrew in the Four Hole Attachment Bracket is pointing toward the Ground. (Detail A)

\_\_6) **Secure the Vertical Climber:** Using the 3/8" x 3/8" Set Screws (5) insert it into the threaded hole in the Four-Hole Brackets and secure the Vertical Climber to the posts. (Detail A)

\_\_7) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.

\_\_8) **Once the concrete has set**, back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

\_\_9) **Inspect the components:** for sharp edges and if necessary, file them down and apply touch up paint



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### **INSTALLATION DETAILS**

- Recommended crew (Adult): 2
- Installation time: **1.5 (3 man hrs)**
- User age: **2-12**
- Use zone: **72 in from all sides of unit**
- Weight: **240**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

### **MAINTENANCE:**

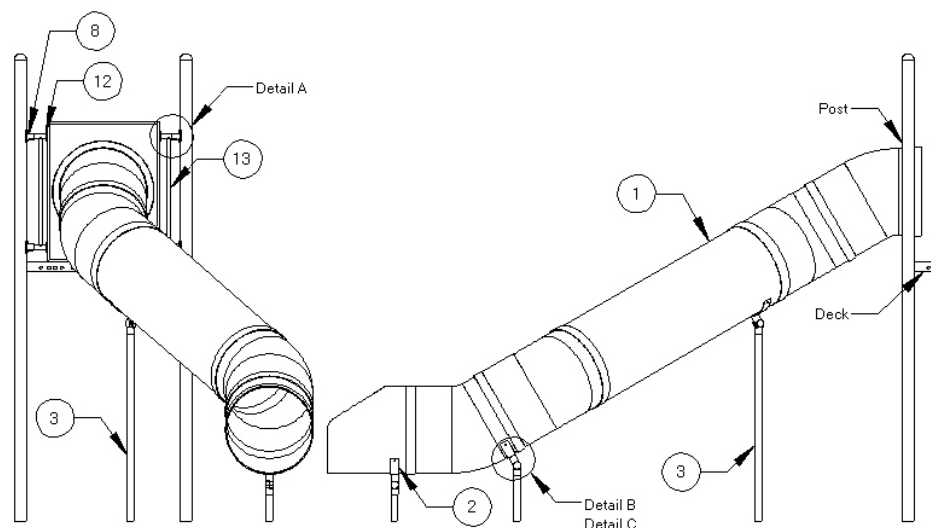
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed, and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that enough surfacing is in place in accordance with ASTM and CPSC standards.



## PARTS LIST

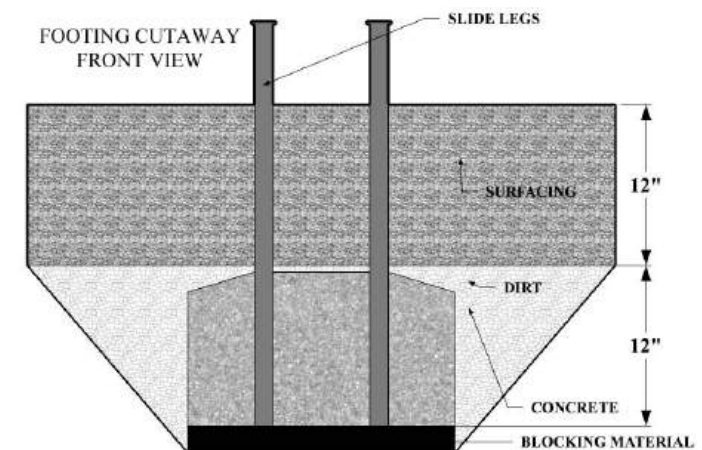
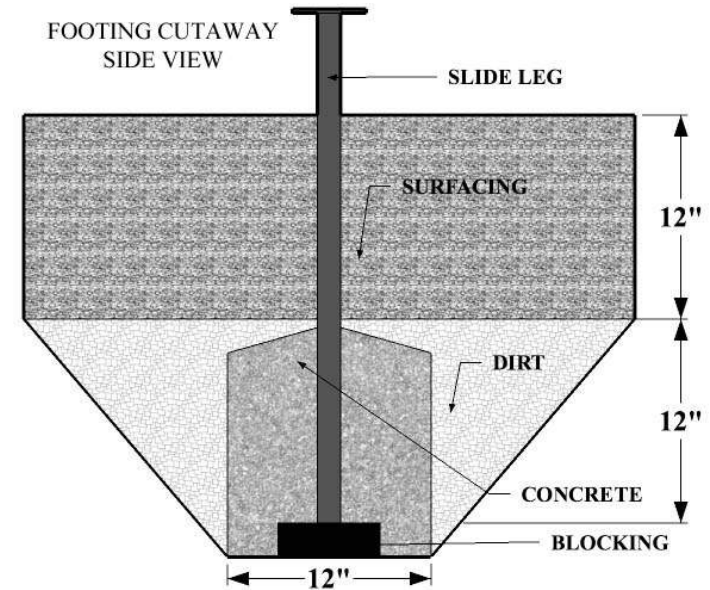
ID	PART #	DESCRIPTION	QTY
1	435-642	Straight Tube Slide to 6' deck	1
2	435-642	Support Brace Saddle	3
3	435-642	Support Brace Post	3
4	435-642	Support Brace Kee Klamp	3
5	435-642	5/16"x3/4" Bolt	6
6	435-642	5/16" Pronged Barrel Nut	6
7	326-501	5/16" Lock Washer	6
8	913-402	Four-Hole Attachment Bracket	4
9	905-208	Attachment Bracket Gasket	4
10	905-526	Self-Tapping Screw	16
11	196-807	3/8"x3/8" Set Screw	4
12	105-020	1 3/8" Aluminum Collars	4
13	923-215	Spacer Set	1

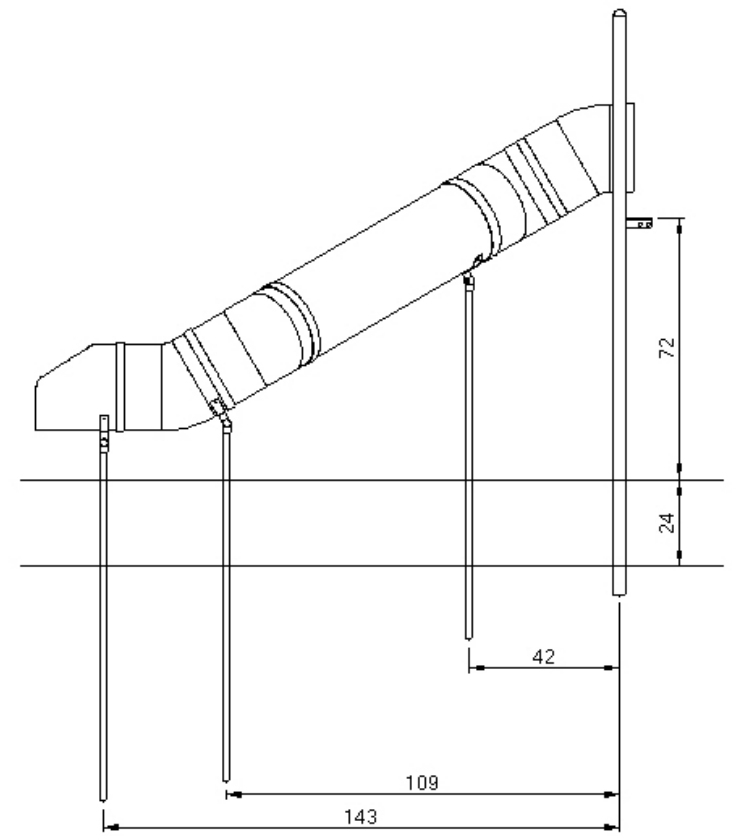
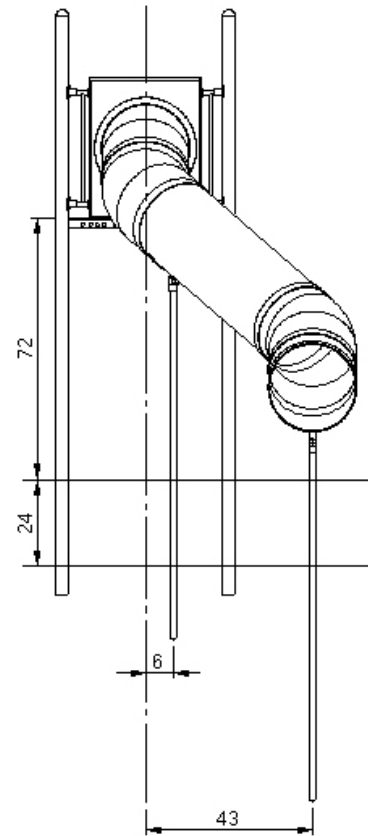
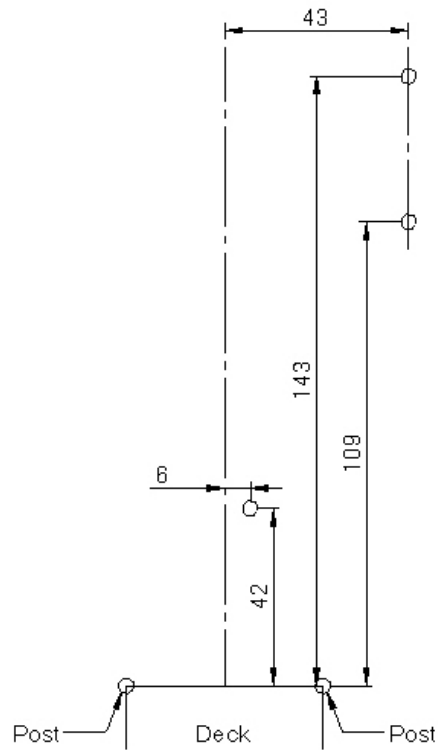
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.



### FOOTING INFORMATION

- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- Total footing depth is 24” less the height of the surfacing plus the height of the blocking material. If you are using 12” of surfacing the footing hole would need to be 12” plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1” higher than the surface grade of the main playground post you must dig your footing hole 1” deeper.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that is the case, you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.







## 922-134-6 “S” TUBE SLIDE 6’ DECK INSTALLATION INSTRUCTION

### SPECIFICATIONS

- **Paint** – Electrostatically applied & oven cured powder coat
- **Hardware** – Stainless steel & tamper resistant
- **Tube** – FloCoat® Galvanized 1 3/8” O.D. and 1” O.D.
- **Straight Tube Slide**-Roto-Molded Plastic.
- **Attachment Bracket** – Powder coated cast aluminum
- **Bottom support for tube slide**- 1 3/8” Tube

### SPECIAL SAFETY & ASTM COMPLIANCE NOTES

- **CRITICAL MEASUREMENT** IT IS EXTREMELY IMPORTANT THAT YOU MAINTAIN A MAXIMUM OF 3 1/2” DISTANCE BETWEEN THE BOTTOM, OR SIDES OF THE ZIG ZAG SLIDE ENTRANCE WALL AND THE NEAREST EDGE OF THE DECK OR POSTS.

### INSTALLATION TIPS & TROUBLE SHOOTING

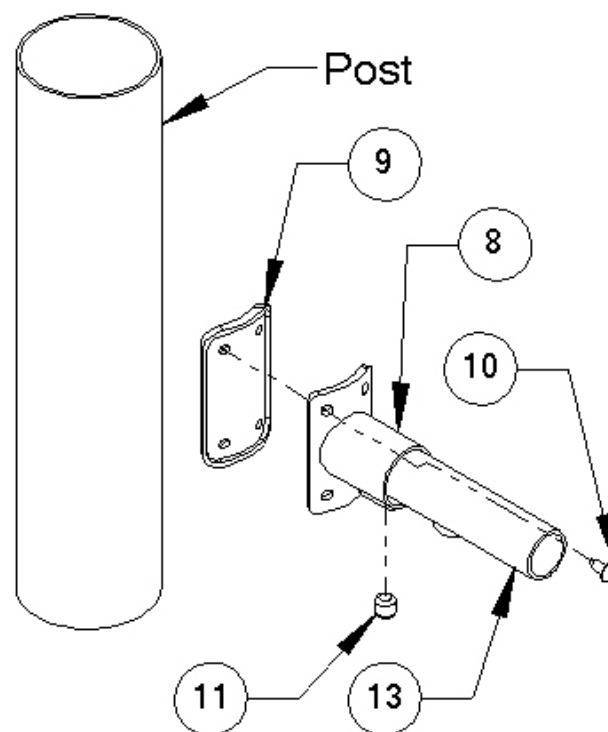
- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

### **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a drill with a #7 drill bit, 3/8” drill bit, tape measure, post hole digger, blocking material, level, and a dry erase marker.

### **INSTALLATION STEPS**

- \_\_1) Review all instructions before beginning:**
- \_\_2) Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- \_\_3) Locate placement of the Straight Tube Slide:** See top down view of your instruction booklet.
- \_\_4) Verify Support Brace holes have been prepared.**
- \_\_5) Attach the Straight Tube Slide to the posts:** The spacer set is already assembled to the entrance panel of the slide. Slide the Four-Hole Brackets (8) onto the spacer set (13). The bottom of the Straight Tube Slide entrance panel should set flush with the surface of the deck. Brace the slide. Mark the locations for the self-tapping screws to attach the Four-Hole Brackets. Remove the slide and drill the holes for the Four Hole Attachment Brackets with the #7 Drill bit. Place the slide back into position. Connect the Four Hole Attachment Brackets to the post using Four Self Tapping Screws (10) and the Attachment Bracket Gasket (9). The threaded hole and setscrew will be facing towards the ground. **Do not tighten.** See Detail A.



Detail A

## INSTALLATION STEPS CONTINUED

**6) Preassemble Support Braces:** Preassemble three support braces. Each support brace will contain one saddle (2), one post (3), and one Kee Klamp (4). The Kee Klamp has two halves and a plug. Tighten setscrews enough to keep the subassembly together. See Detail B.

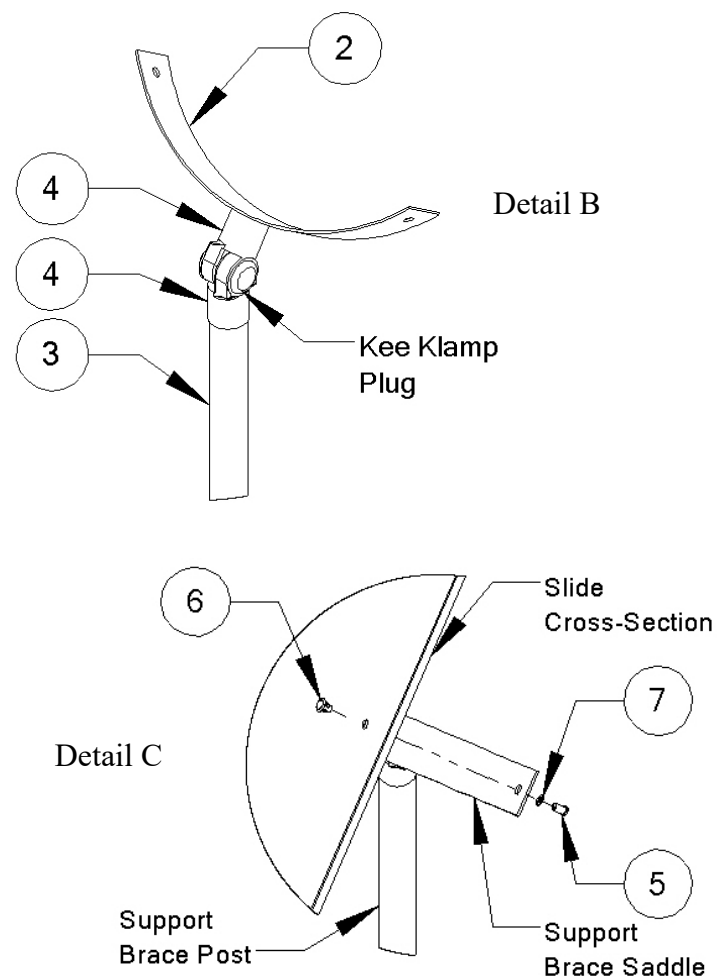
**7) Layout the Brace Supports:** While bracing the slide to the proper height, insert a Brace Support into its designated hole already dug. Hold the saddle of the Brace Support to the tube slide. Level and mark hole locations to attach the Brace Support. Drill holes with a 3/8” drill bit. Attach with two 5/16”x3/4” bolts (5), two 5/16” pronged barrel nuts (6), and two 5/16” lock washers (7). This may take two people: one inside the tube securing the pronged barrel nut and one outside the tube tightening the bolt. **Tighten.** See Detail C.

**Note:** *It is especially important that the pronged barrel nut is on the inside of the slide.*

Repeat for second and third Support Braces.

Vertically align the support brace post. **Tighten** setscrews to the Kee Klamp.

**8) Tighten all components.**



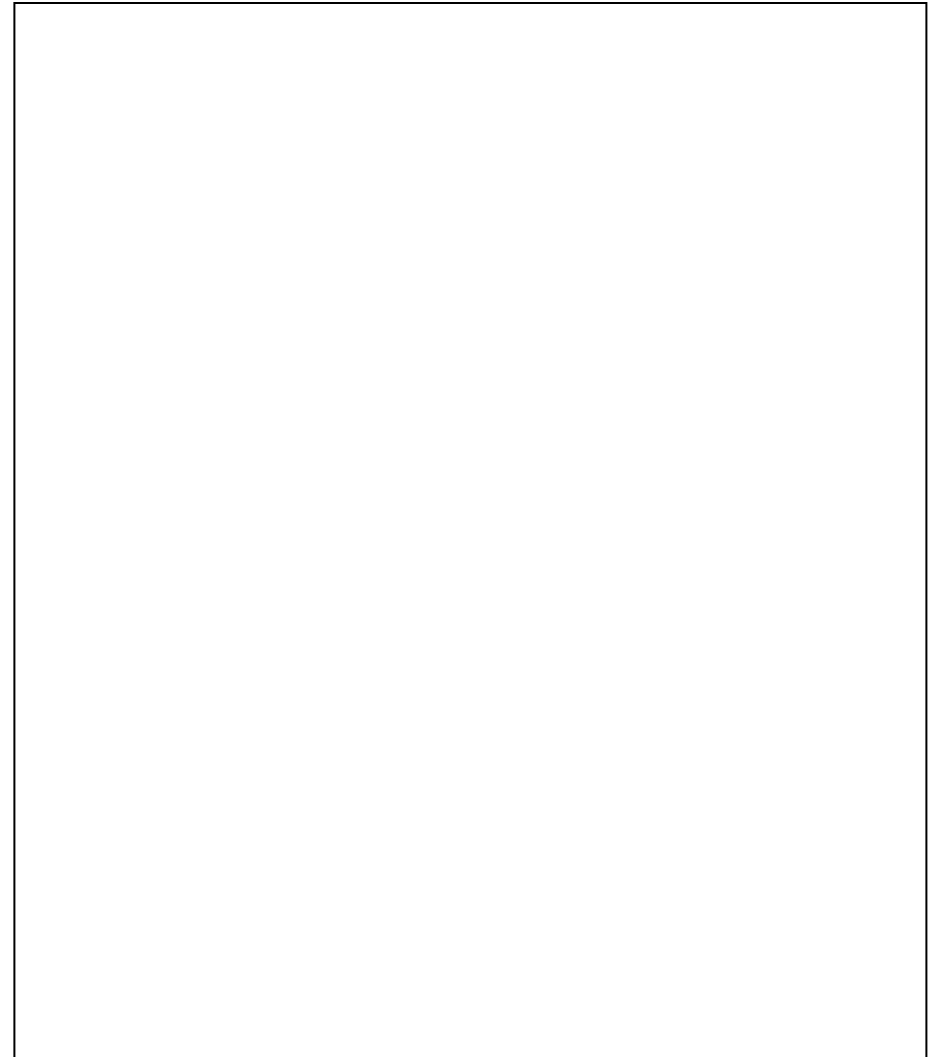


**INSTALLATION STEPS CONTINUED**

\_\_9) **Add the concrete to the footing holes:** Once the entire playground has been installed, and it has verified that the entire playground is square and level, **add the concrete to the footing holes.** Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer’s directions before you pour it into the footing hole. Crown the concrete for water drainage. Once the footing has been filled with concrete, rope of the area for a minimum of 48 hours to allow the concrete set properly.

\_\_10) **Once the concrete has set,** back fill dirt over the footing holes. Inspect the area and components for tools, hazardous debris, and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

\_\_11) **Inspect the components** for sharp edges. If necessary, file down and apply touch up paint.





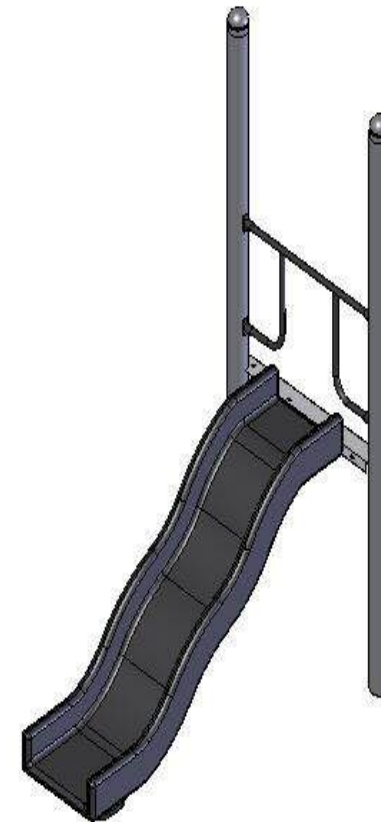
#### **INSTALLATION DETAILS**

- Recommended crew: 2
- Installation time: **2 Hours (4 man hours)**
- User age: **2-12 Years**
- Use zone: **6' on all sides**
- Weight: **80**

**SURFACING:** Use of safety surfacing in compliance with the current ASTM specification F1292 is required.

#### **MAINTENANCE:**

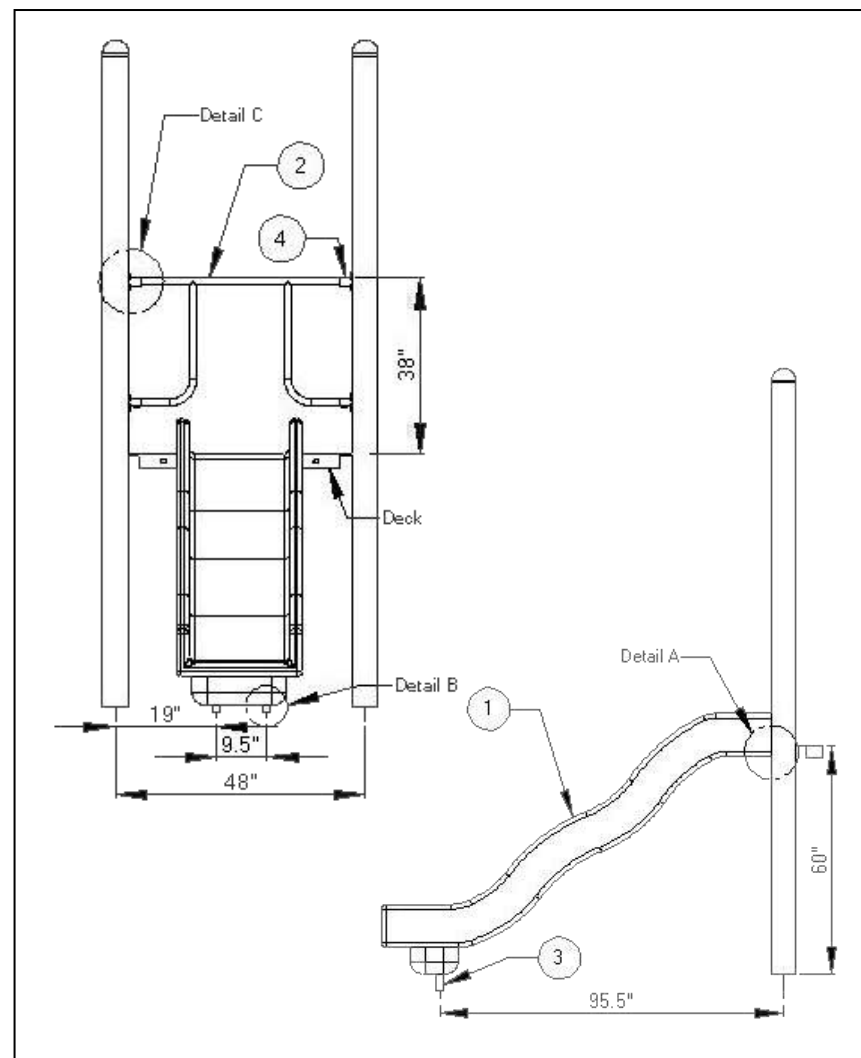
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM ([www.astm.org](http://www.astm.org)) and CPSC ([www.cpsc.gov](http://www.cpsc.gov)) standards.



## PARTS LIST

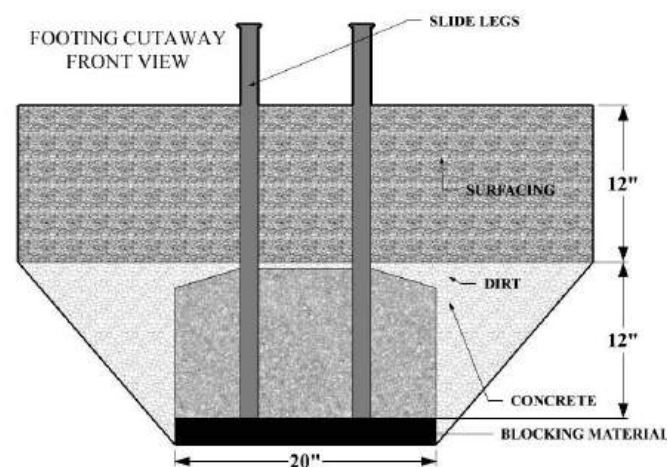
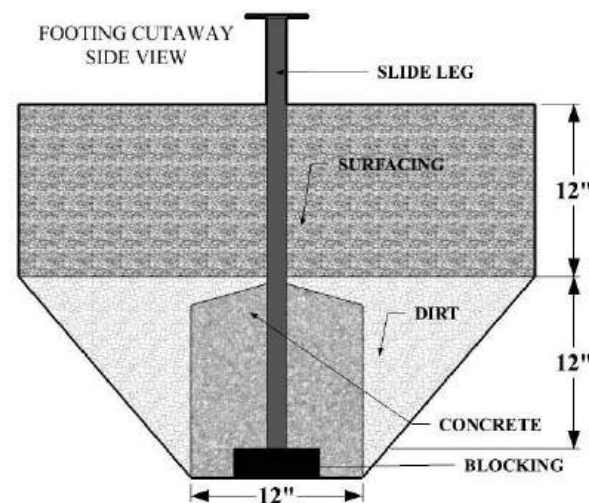
ID	PART #	DESCRIPTION	QTY
1	5' 435-607	Bump Wave Slide	1
2	923-200	Slide Guard	1
3	903-214	Slide Leg	2
4	913-402	Four Hole Attachment Bracket	4
5	905-208	Gasket for Attachment Bracket	4
6	905-526	1/4" Self Tapping Pinned Screw	16
7	126-706	3/8 x 1 3/4 Button Head Bolt	2
8	316-601	3/8 Washer	6
9	126-702	3/8 x 3/4 Button Head Bolt	4
10	196-807	3/8 x 3/8 Socket Set Screw	4

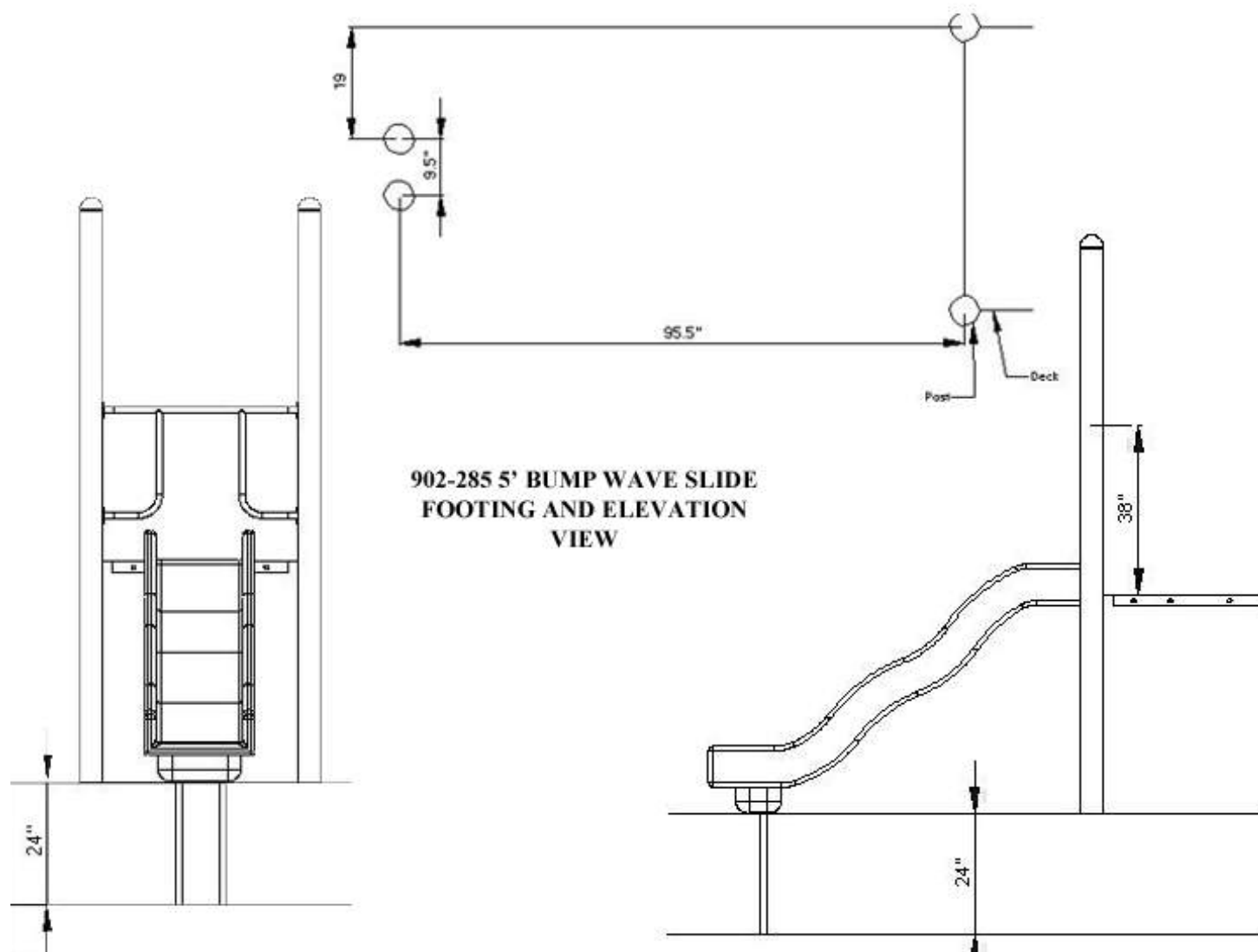
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts



## FOOTING INFORMATION

- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you were using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.







## 922-147-5 (5') BUMP WAVE SLIDE INSTALLATION INSTRUCTION

### **SPECIFICATIONS**

- Slide – 3/8" walled rotationally molded LLDPE
- Paint – Electrostatically applied & oven cured powdercoat
- Hardware – Stainless steel & tamper resistant
- Tube – FloCoat® Galvanized 1 3/8" OD and 1" OD.
- Attachment Bracket – Powder coated cast aluminum

### **SPECIAL SAFETY COMPLIANCE NOTES**

- ASTM F1487 8.5.5.2 The runout slope of slide exit region must be between 0 and -4 degrees.
- ASTM F 1487 8.5.5.3 For slides with an elevation of no greater than 48 in., the height of the exit region shall be no greater than 11 in. above the protective surfacing. For slides with an elevation greater than 48 in., the height of the exit region shall be between 7 in. and 15 in. above the protective surfacing

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take it out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install it.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true for all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

## **BEFORE YOU BEGIN**

In addition to the components on the packing list, you will need concrete, shovel, post-hole digger, tape measure, ground marking (for marking the footing location), drill, hex wrenches and a dry erase marker.

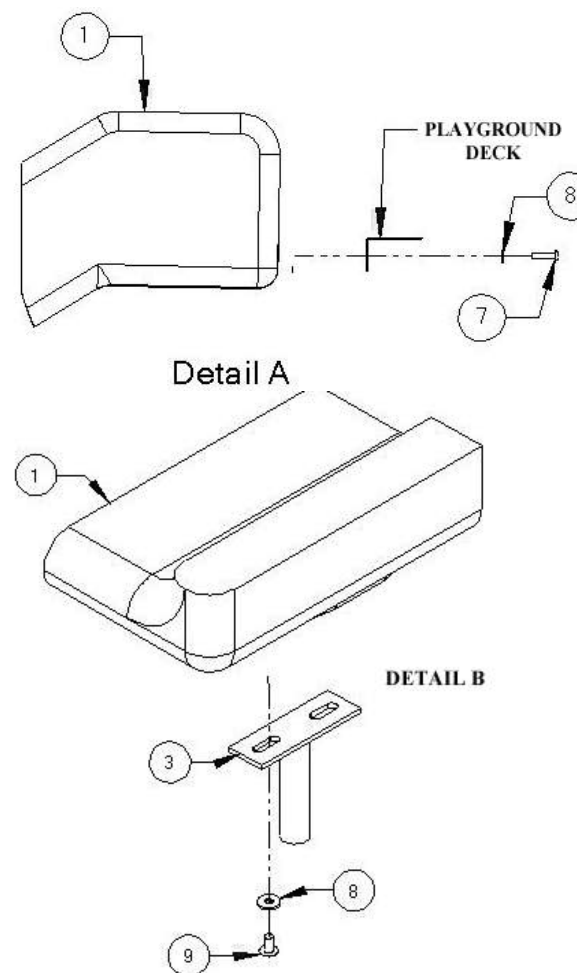
## **INSTALLATION STEPS**

**\_\_1. Review all instructions before beginning.**

**\_\_2. Unpack, organize and identify all components.** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

**\_\_3. Dig footing holes.** Referencing the footing cutaway drawings on page 3, the footing layout and elevation views on page 4 of this components instruction set along with the main footing diagram on page 5 of the installation guide, mark and dig the footings as instructed for the slide legs. (Footing depth is 24" less the amount of surfacing used plus the thickness of the blocking material). SportsPlay recommends setting the slide up to the deck and using the slide to mark the position of the slide legs to establish the location of the required footing.

**\_\_4. Attach slide legs (#3) to the bottom of the slide by inserting a 3/8 x 3/4 bolt (#9) and 3/8 washer (#8) through the plate on the slide leg (#3) and into the factory installed nut on the underneath the exit end of the slide (Detail B). Once all bolts are in place you can tighten them.**



### INSTALLATION STEPS CONTINUED

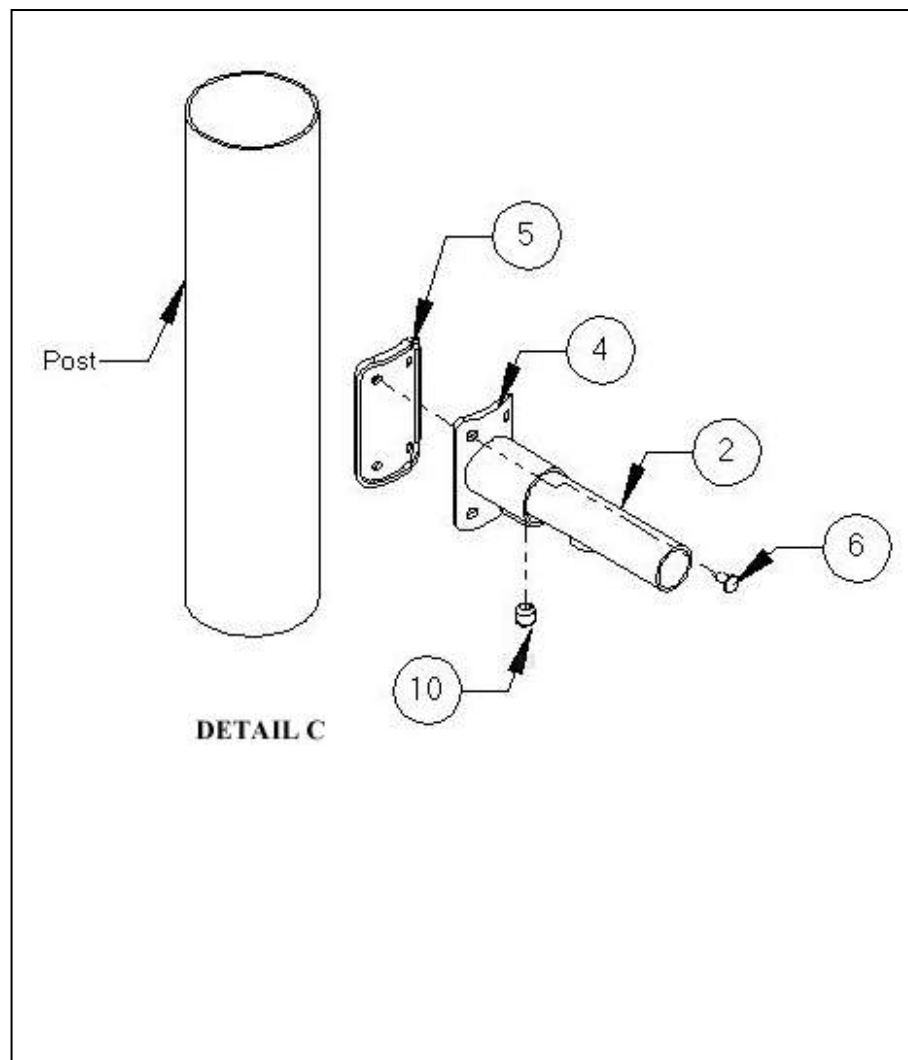
\_\_5. With help, **place the slide legs into the footing holes** and attach the slide to the playground deck.

\_\_6. Using the 3/8 x 1 3/4 bolts (#7) and 3/8 washers (#8) **attach the slide to the deck** by inserting the bolts and washers through the holes in the deck and into the factory installed nuts at the entrance to the slide (Detail A on page 6).

\_\_7. **Measure up the playground post from the deck 38"** and mark that location on both of the playground posts. This mark represents the attachment point for the top of the slide guard (reference the front view drawing on page 2).

\_\_8. **Slide all four of the four-hole attachment brackets on to the ends of the slide guard** (ensure the hole for the set screw on the bracket is facing down). After you have put the brackets onto the slide guard and attached the gaskets (#5) put the slide guard in place between the posts by lining up the top of the slide guard with the mark you made on the post in step 7. **Attach the slide guard to the posts** by screwing the self-tapping screws (#6) through the four-hole brackets and gaskets and into the playground post using the Torx bit and drill (Detail C). Repeat step on the remaining three brackets.

**TIP: It's easier to install the self tapping screws if you pre drill the holes in the post with a #7 drill bit by marking the hole locations with a dry erase marker after you have put the guard wall into position.**





### **INSTALLATION INSTRUCTIONS CONTINUED**

\_\_9. **Insert the 3/8 x 3/8 socket set screws (#10)** into the threaded hole on the bottom side of the four-hole attachment brackets (#4) and tighten (Detail C on page 7).

\_\_10. **Level and square the slide** making sure to keep 11" of spacing from the slide bed to the top of the safety surfacing.

\_\_11. Once slide is in position and you have verified its square and level you may **tighten the bolts connecting the slide to the deck.**

\_\_12. **Inspect the components** for sharp edges and if necessary file them down and apply touch up paint.

\_\_13. Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes.** Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturers directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.

\_\_14. **Once the concrete has set,** back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

\_\_15. **Install labeling** as instructed in the appendix of the instruction manual.



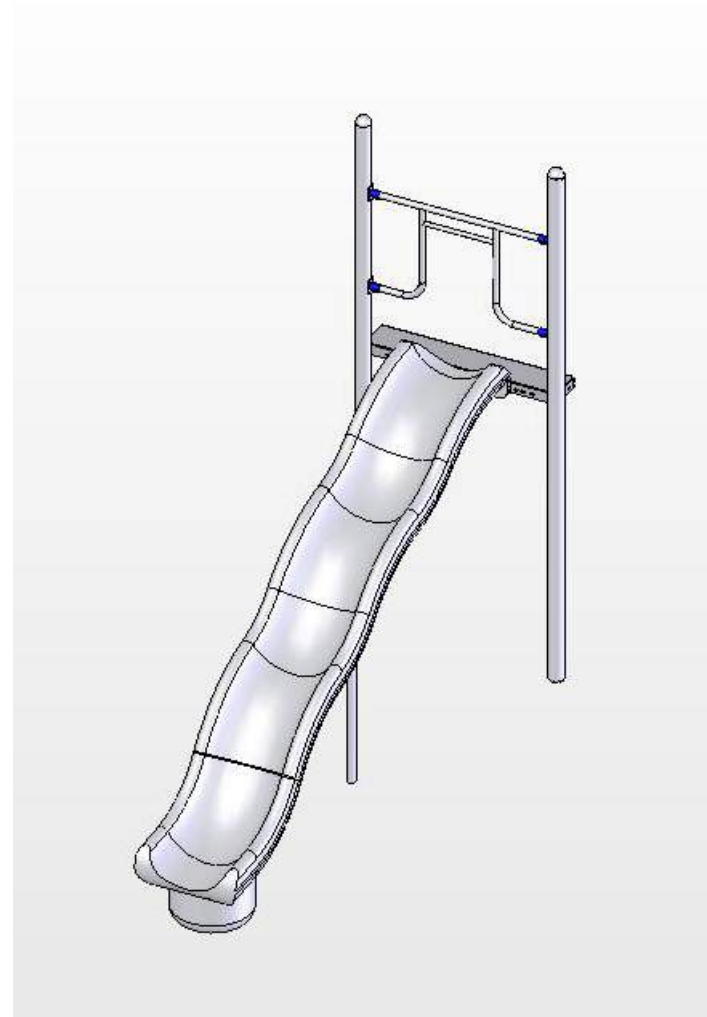
#### **INSTALLATION DETAILS**

- Recommended crew: 2
- Installation time: **2 Hours (4-man hours)**
- User age: **2-12 Years**
- Use zone: **6' on all sides**
- Weight: **150 lbs.**

**SURFACING:** Use of safety surfacing in compliance with the current ASTM specification F1292 is required.

#### **MAINTENANCE:**

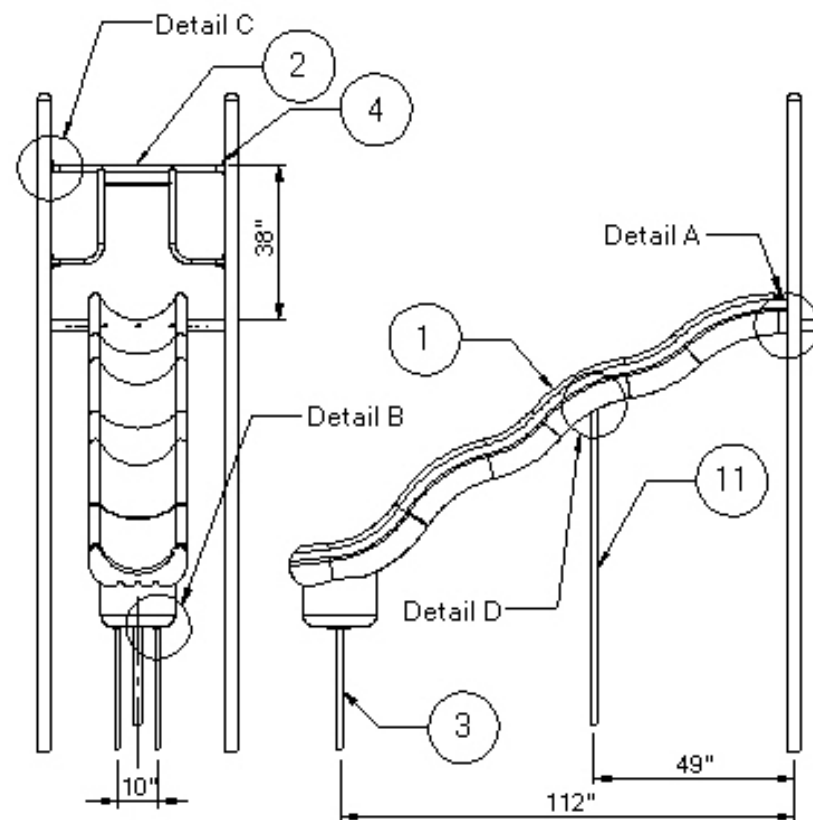
- As the owner of the playground, you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed, and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that enough surfacing is in place in accordance with ASTM ([www.astm.org](http://www.astm.org)) and CPSC ([www.cpsc.gov](http://www.cpsc.gov)) standards.



## PARTS LIST

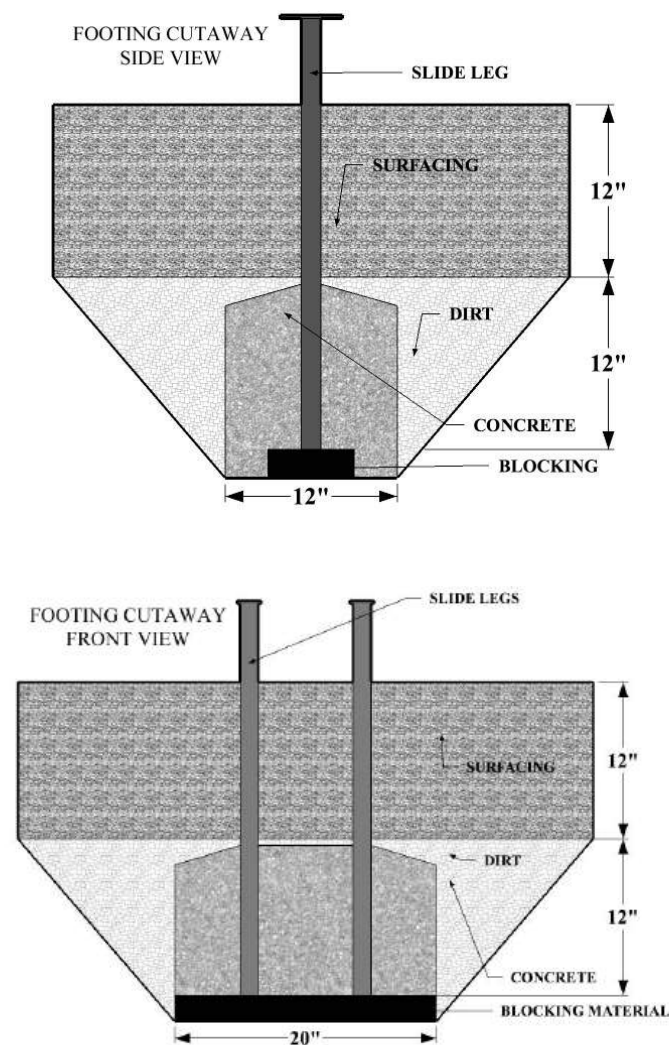
ID	PART #	DESCRIPTION	QTY
1	435-608	Bump Wave Slide	1
2	923-200	Slide Guard	1
3	903-214	Slide Leg	2
4	913-402	Four Hole Attachment Bracket	4
5	905-208	Gasket for Attachment Bracket	4
6	905-526	1/4" Self Tapping Pinned Screw	16
7	126-706	3/8 x 1 3/4" Button Head Bolt	3
8	316-601	3/8" Washer	11
9	126-702	3/8" x 3/4" Button Head Bolt	8
10	196-807	3/8" x 3/8" Socket Set Screw	4
11	903-286	Center Support	1

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.

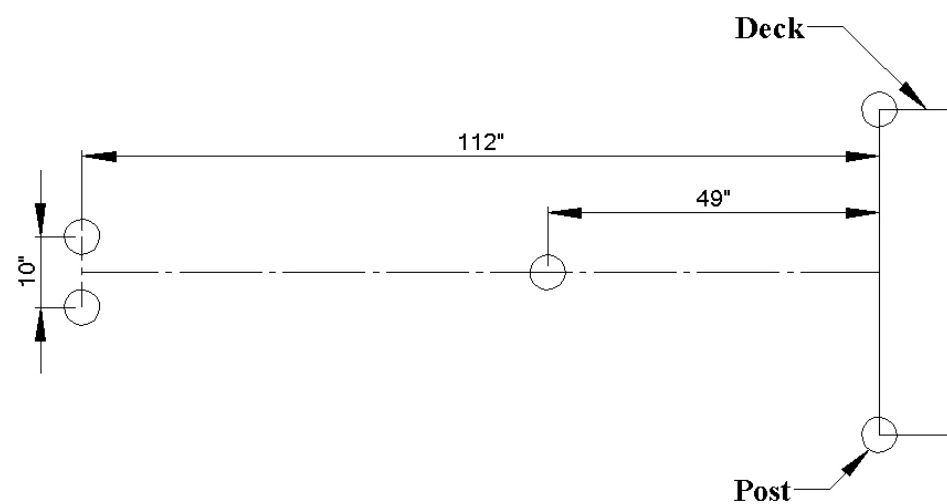
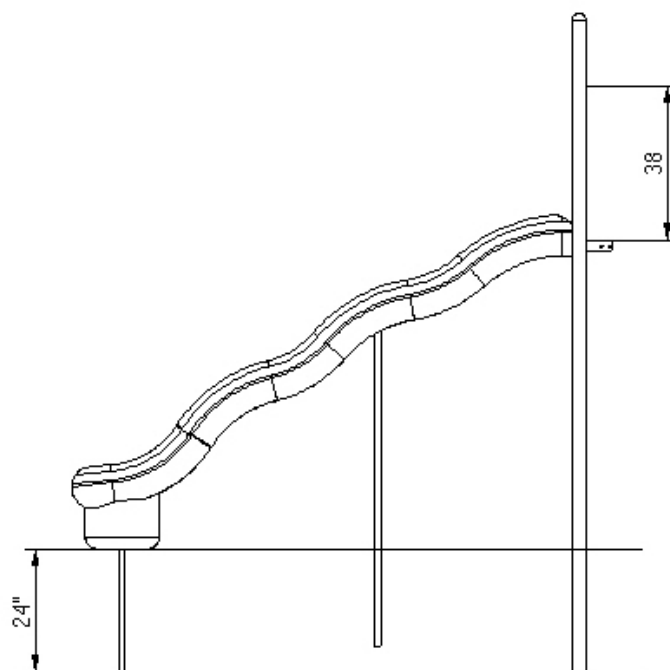


## FOOTING INFORMATION

- Place the bottom of the support post, center support, and slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade, adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post, dig your footing hole 1" deeper.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations. Local soil types and frost lines may require a deeper and/or wider footing depth. If that is the case, add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.



## ELEVATION & FOOTING





## 922-147-6 (6') BUMP WAVE SLIDE INSTALLATION INSTRUCTION

### **SPECIFICATIONS**

- Slide – 3/8” walled rotationally molded LLDPE
- Paint – Electrostatically applied & oven cured powdercoat
- Hardware – Stainless steel & tamper resistant
- Tube – FloCoat® Galvanized 1 3/8” OD and 1” OD.
- Attachment Bracket – Powder coated cast aluminum

### **SPECIAL SAFETY COMPLIANCE NOTES**

- ASTM F1487 8.5.5.2 The run-out slope of slide exit region must be between 0 and -4 degrees.
- ASTM F 1487 8.5.5.3 For slides with an elevation of no greater than 48 in., the height of the exit region shall be no greater than 11 in. above the protective surfacing. For slides with an elevation greater than 48 in., the height of the exit region shall be between 7 in. and 15 in. above the protective surfacing.

### **INSTALLATION TIPS & TROUBLE SHOOTING**

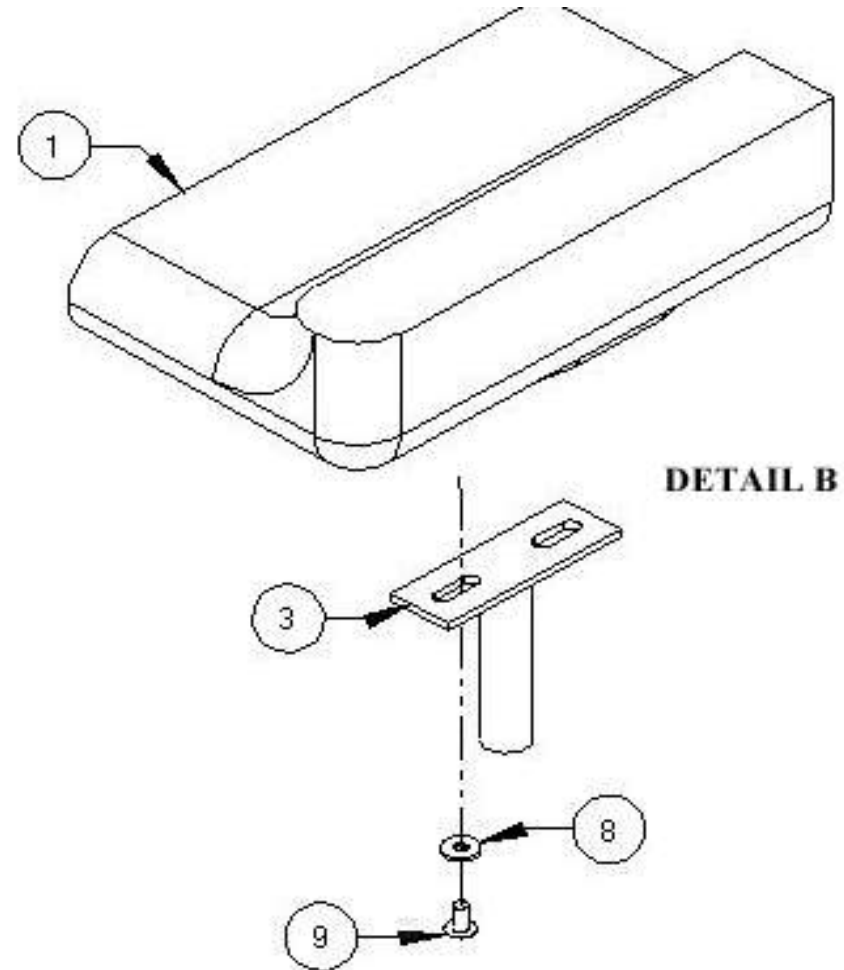
- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take it out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install it.
- Do not tighten bolts all the way until the unit is completely assembled, and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- When unpacking and separating the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components by setting the components on top of the cardboard. This is particularly true for all Powder Coated and Thermoplastic coated components.

**BEFORE YOU BEGIN**

In addition to the components on the packing list, needed will be concrete, shovel, post-hole digger, tape measure, ground marking (for marking the footing location), drill, hex wrenches and a dry erase marker.

**INSTALLATION STEPS**

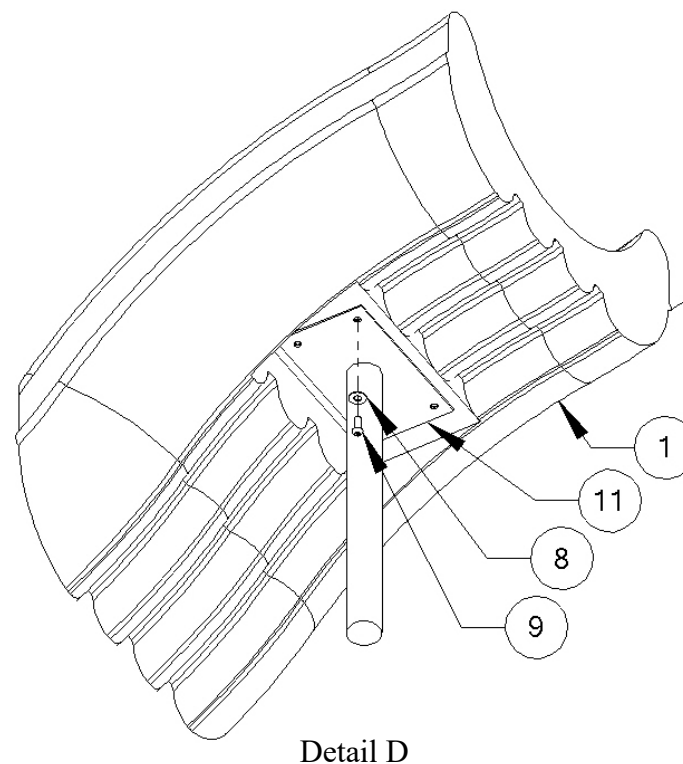
- 1. Review all instructions before beginning.**
- 2. Unpack, organize, and identify all components.** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- 3. Dig footing holes.** Referencing the footing cutaway drawings on page 3, and the footing layout and elevation views on page 4 of this component's instruction. Mark and dig the footings as instructed for the slide legs and center support (Footing depth is 24" less the amount of surfacing used plus the thickness of the blocking material). SportsPlay recommends setting the slide up to the deck and using the slide to mark the position of the slide legs to establish the location of the required footing.
- 4. Attach slide legs (3)** to the bottom of the slide by inserting a 3/8" x 3/4" bolt (9) and 3/8" washer (8) through the plate on the slide leg (3) and into the factory installed nut on the underneath the exit end of the slide (Detail B). Once all bolts are in place, tighten.



**INSTALLATION STEPS CONTINUED**

\_\_5. **Attach center support (11)** to the bottom of the slide by inserting a  $\frac{3}{8}$ " x  $\frac{3}{4}$ " bolt (9) and  $\frac{3}{8}$ " washer (8) through the plate on the center support (11) and into the factory installed nut on the underneath the center of the slide (Detail D). Once all bolts are in place, tighten.

\_\_6. With help, **place the slide legs and center support into the footing holes** and attach the slide to the playground deck.



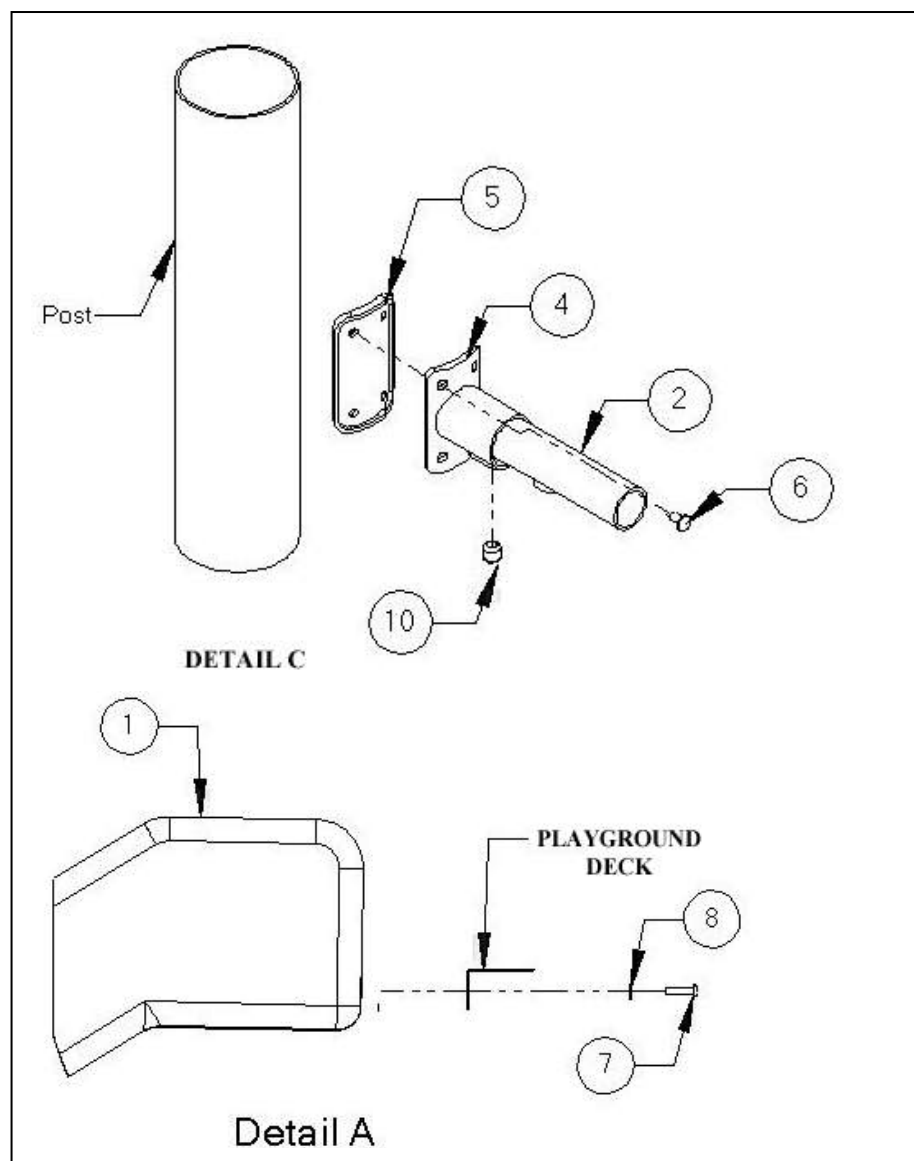
### INSTALLATION STEPS CONTINUED

7. Using the 3/8" x 1 3/4" bolts (7) and 3/8" washers (8), **attach the slide to the deck** by inserting the bolts and washers through the holes in the deck and into the factory installed nuts at the entrance to the slide (Detail A).

8. **Measure up the playground post from the deck 38"** and mark that location on both of the playground posts. This mark represents the attachment point for the top of the slide guard (reference the front view drawing on page 2).

9. **Slide all four of the four-hole attachment brackets on to the ends of the slide guard** (ensure the hole for the set screw on the bracket is facing down). After you have put the brackets onto the slide guard and attached the gaskets (5). Put the slide guard in place between the posts by lining up the top of the slide guard with the mark you made on the post in step 8. **Attach the slide guard to the posts** by screwing the self-tapping screws (6) through the four-hole brackets and gaskets and into the playground post using the Torx bit and drill (Detail C). Repeat step on the remaining three brackets.

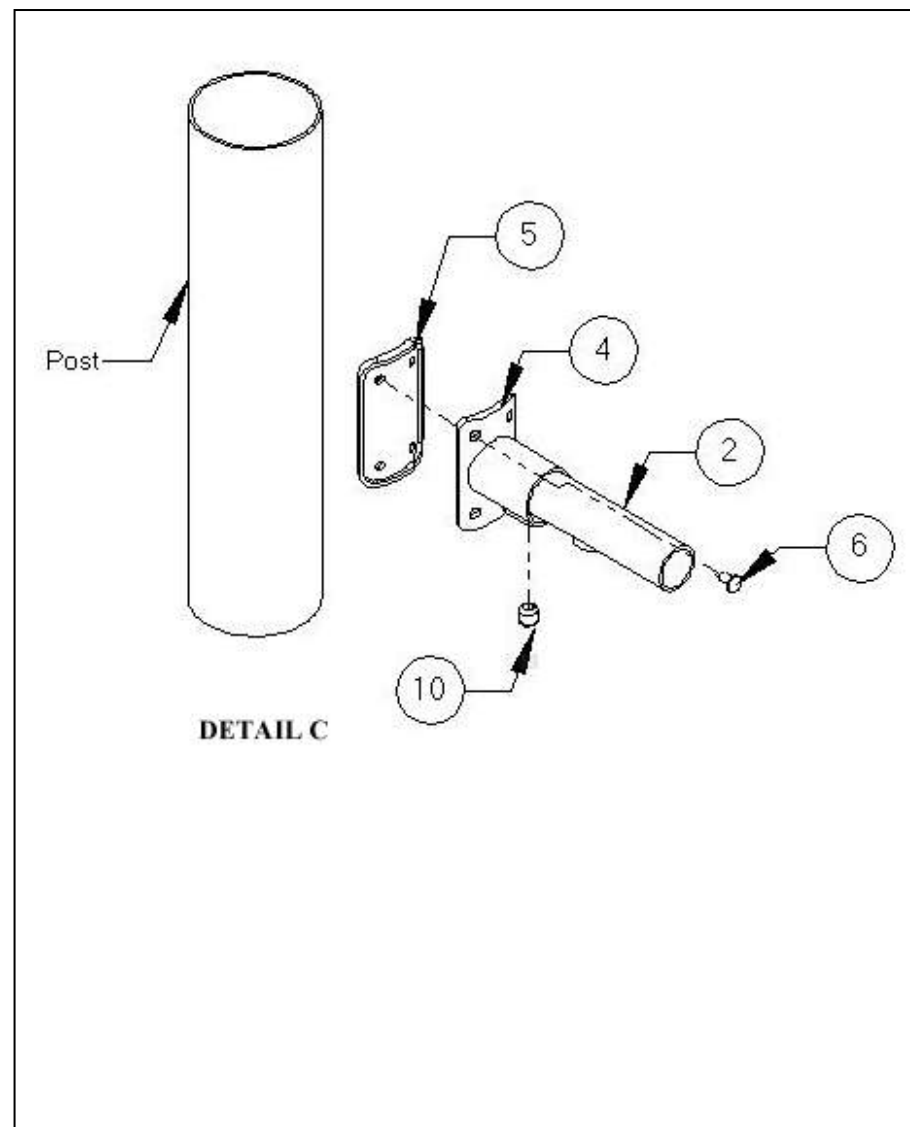
**TIP: It's easier to install the self-tapping screws if you predrill the holes in the post with a #7 drill bit by marking the hole locations with a dry erase marker after you have put the guard wall into position.**





**INSTALLATION INSTRUCTIONS CONTINUED**

- \_\_10. **Insert the 3/8" x 3/8" socket set screws (10)** into the threaded hole on the bottom side of the four-hole attachment brackets (4) and tighten (Detail C).
- \_\_11. **Level and square the slide** making sure to keep 7" to 15" of spacing from the slide bed to the top of the safety surfacing.
- \_\_12. Once slide is in position and have verified its square and level, **tighten the bolts connecting the slide to the deck.**
- \_\_13. **Inspect the components** for sharp edges. If necessary, file them down and apply touch up paint.
- \_\_14. Once the entire playground has been installed and it has been verified that the entire playground is level, **add the concrete to the footing holes.** Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete, rope of the area for a minimum of 48 hours to allow the concrete set properly.
- \_\_15. **Once the concrete has set,** back fill dirt over the footing holes and inspect the area and components for tools, hazardous debris, and sharp edges. Verify all components are installed and all hardware is tight before installing the safety surfacing.
- \_\_16. **Install labeling** as instructed in the appendix of the instruction manual.





**922-147-6 (6') BUMP WAVE SLIDE  
INSTALLATION INSTRUCTION**

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### **INSTALLATION DETAILS**

- Recommended crew (Adult): **1**
- Installation time: **30 min (.5 man hrs)**
- User age: **2-12**
- Use zone: **NA**
- Weight: **29**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

### **MAINTENANCE:**

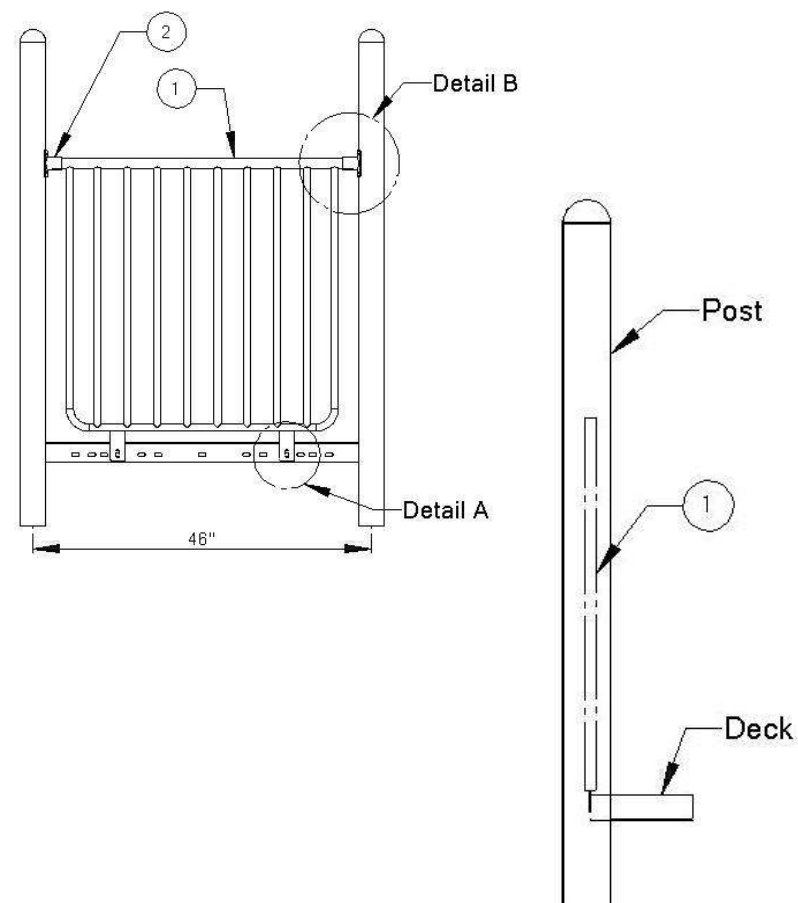
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



## PARTS LIST

ID	PART #	DESCRIPTION	QTY
1	923-121	Guard Wall	1
2	913-402	Four-Hole Attachment Bracket	2
3	905-208	Attachment Bracket Gasket	2
4	905-526	Self-Tapping Screw	8
5	196-807	3/8"x3/8" Set Screw	2
6	126-703	3/8"x1" Button Head Bolt	2
7	316-601	3/8" Flat Washer	4
8	226-602	3/8" Lock Nut	2

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.





## SPECIFICATIONS

- **Paint** – Electrostatically applied & oven cured powder coat
- **Hardware** – Stainless steel & tamper resistant
- **Tube** – FloCoat® Galvanized 1 3/8" O.D. and 1" O.D.
- **Attachment Bracket** – Powder coated cast aluminum
- **Guard Wall** - 1 3/8" O.D. and 1" O.D.

## SPECIAL SAFETY & ASTM COMPLIANCE NOTES

- **CRITICAL MEASUREMENT** IT IS EXTREMELY IMPORTANT THAT YOU MAINTAIN A MAXIMUM OF 3 1/2" DISTANCE BETWEEN THE TOP, BOTTOM, OR SIDES OF THE PANEL AND THE NEAREST EDGE OF THE DECK OR POSTS.

## INSTALLATION TIPS & TROUBLE SHOOTING

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

## **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a drill with a #7 drill bit, tape measure, 7/32" Allen Wrench, 9/16" wrench and a dry erase marker.

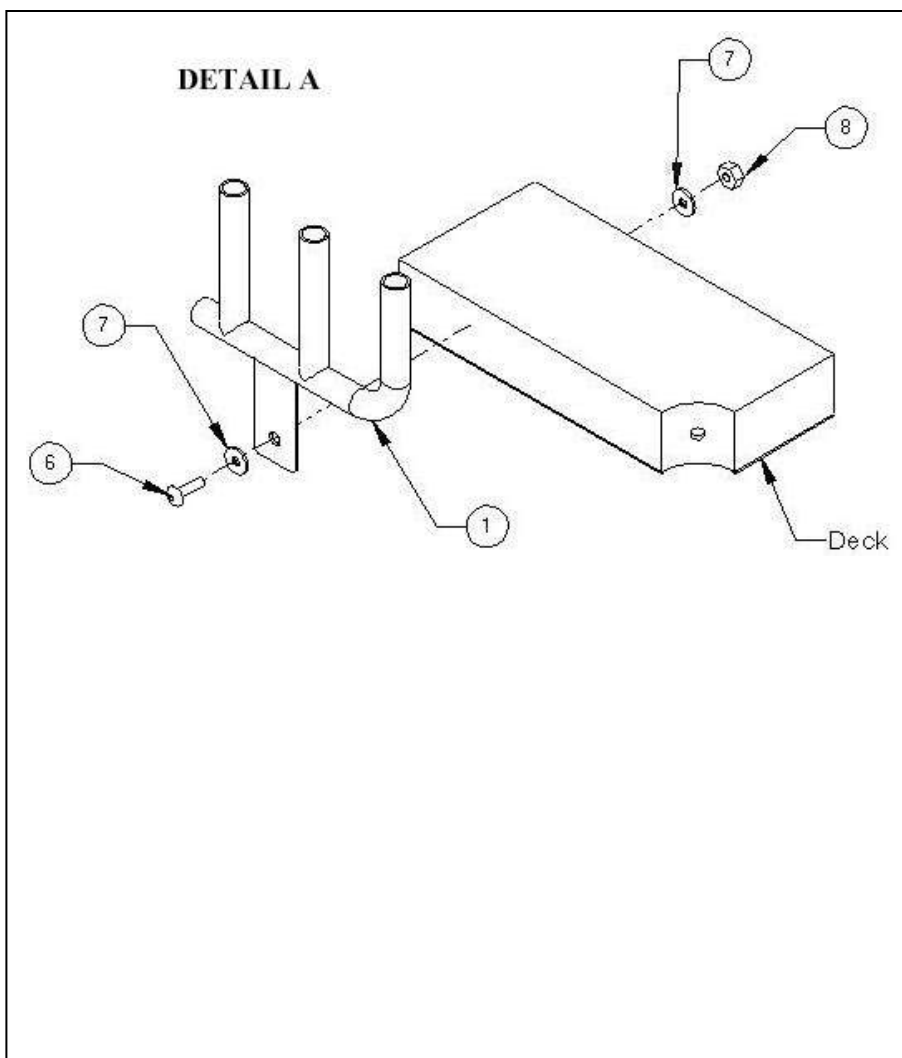
## **INSTALLATION STEPS**

**\_\_1) Review all instructions before beginning:**

**\_\_2) Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

**\_\_3) Locate placement of the Guard Wall:** See top down view of your instruction booklet.

**\_\_4) Attach Panel to Deck:** You will need the Guard Wall (1) two Four-Hole Attachment Brackets (2), two Attachment Bracket Gaskets (3), eight Self-Tapping Screws (4), two 3/8"x3/8" Set Screws (5) two 3/8x1" Button Head Bolts (6), four 3/8" Flat washers (7) and two 3/8" Lock Nuts (8). First you will need to place the two Four-Hole Brackets on the Guard Wall but do not attach the brackets to the post at this time (See detail B). Using the 3/8x1" Button Head Bolts with a flat washer installed, place it through the tab on the Guard Wall and into the correct factory punched hole in the deck you are installing it to. Secure it with a 3/8 Flat Washer and 3/8" Locknut on the underside of deck, do not completely tighten locknut at this time. (See detail A)

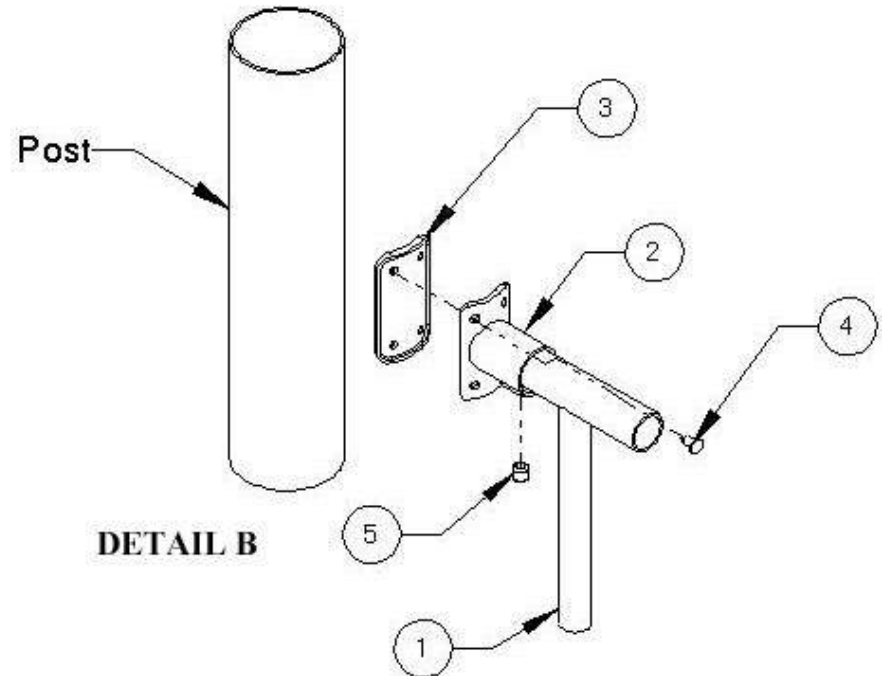


## INSTALLATION STEPS CONTINUED

5) **Connect Four-Hole brackets to posts:** Now you need to install the Four-Hole Brackets to the posts. The top of the Guard Wall should be 38" from the surface of the deck to the top of the panel. Once you have the top of the panel at the correct height tighten the two 3/8"x1" Button Head bolts (6). The Four-Hole Brackets are installed with the Self-Tapping Screws (4) and Attachment Bracket Gaskets (5) make sure that the hole for the 3/8x 3/8" set screw is pointing down. **TIP: It's easier to install the self-tapping screws if you pre drill the holes in the post with a #7 drill bit.** Install the Self-Tapping Screws into the holes you have drilled in the posts with the Attachment Bracket Gasket between the post and Four-Hole Attachment Bracket. (See detail B)

\_\_6) **Secure the Guard Wall to the Attachment Bracket:** Install and tighten the 3/8x3/8" Set Screw (5) in the Four-Hole Bracket. (See detail B)

\_\_7) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.





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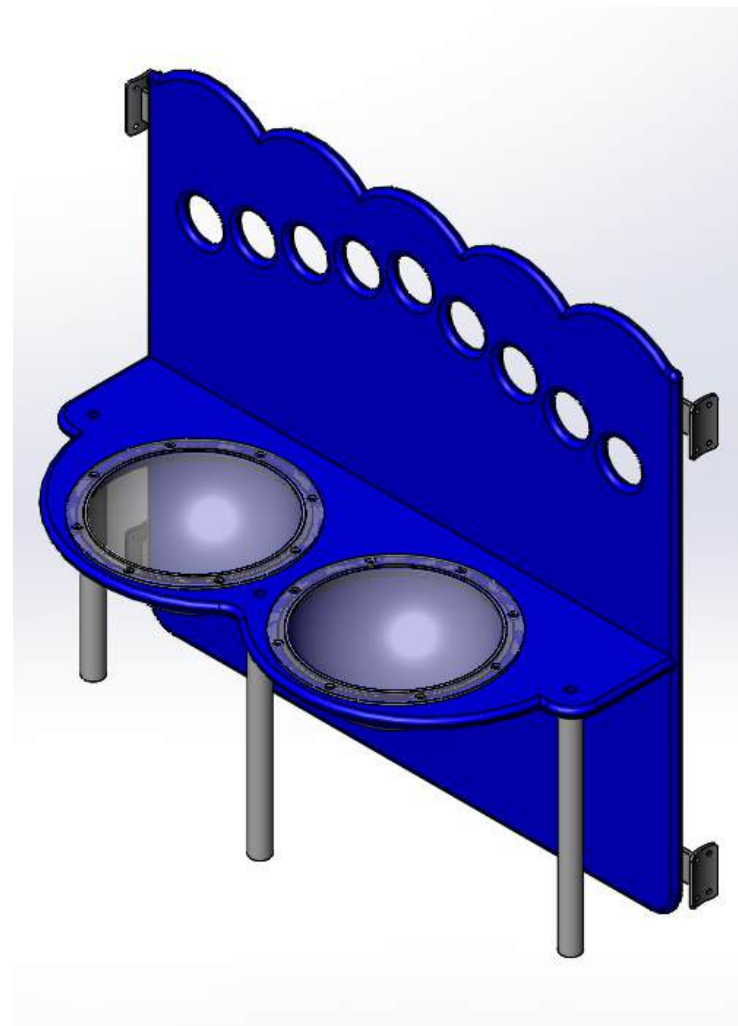
### **INSTALLATION DETAILS**

- Recommended crew (Adult): 2
- Installation time:
- User age:
- Use zone:
- Weight: 912-807 – 76lbs.

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

### **MAINTENANCE:**

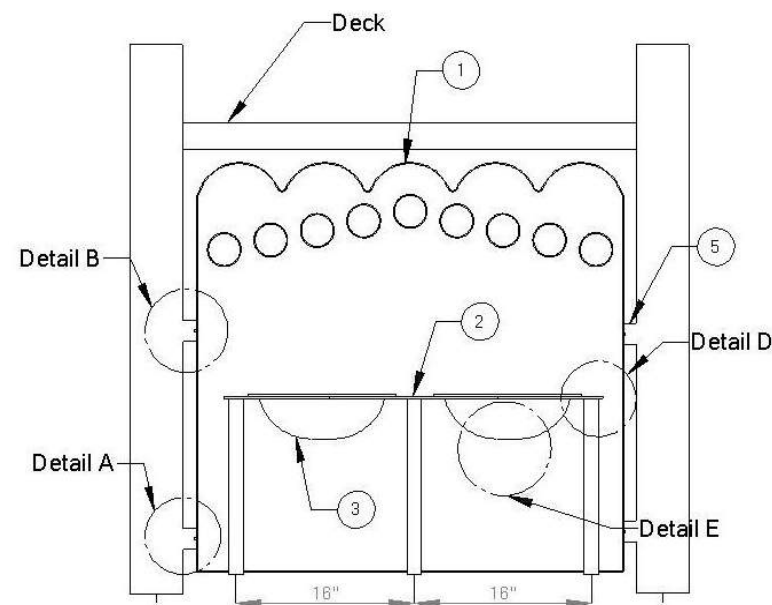
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



## PARTS LIST

ID	PART #	DESCRIPTION	QTY
1	903-225	Sand & Water Panel	1
2	903-229	Bubble Basin	1
3	435-810	12" Acrylic Dome	2
4	903-816	1" Leg Support	3
5	913-417	Panel Attachment Bracket	4
6	905-208	Gasket for Attachment Bracket	4
7	905-526	Self Tapping Screws	16
8	905-803	Corner Bracket	3
9	316-501	5/16" Washers	10
10	116-529	5/16"x3/4" Button Head Bolt	10
11	216-512	5/16"x1" Button Head Nut	10
12	316-601	3/8" Flat Washer	32
13	126-701	3/8"x1 1/4" Button Head Bolt	19
14	236-601	3/8" T Nut	16
15	316-903	Rubber Washer	16
16	905-806	PVC Bushing 3/4"	2
17	905-807	PVC Cap 3/4"	2
18	905-808	Conduit Locknut 3/4"	2
19	905-809	O Ring Large	2

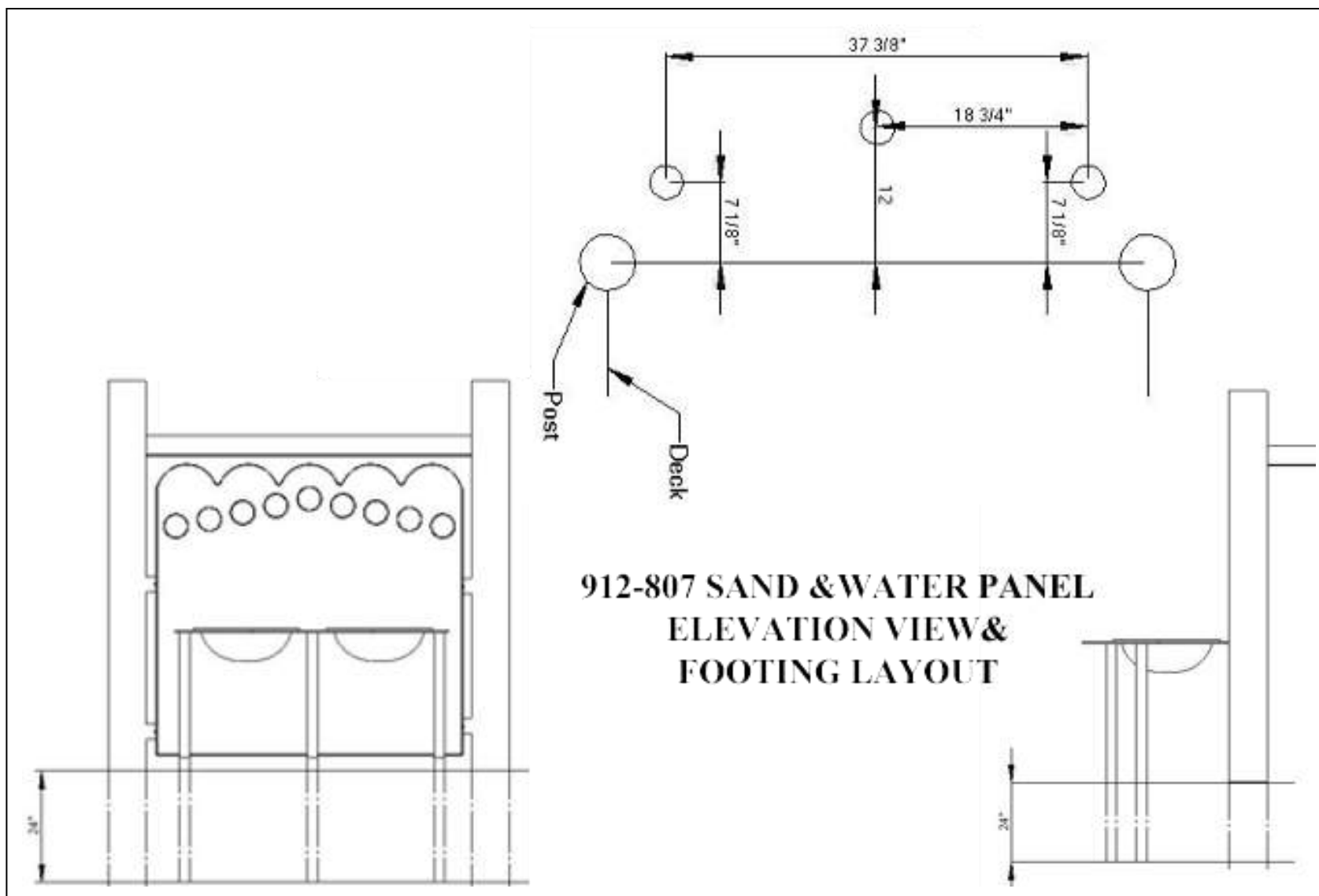
**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.





### **FOOTING INFORMATION**

- Total footing depth is 24" less the height of the surfacing plus the height of the blocking material. If you are using 12" of surfacing the footing hole would need to be 12" plus the height of the blocking material.
- If the Play structure is installed on a unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.





### **SPECIFICATIONS**

- Panel- 3/4" HDPE UV stabilized plastic
- Hardware – Stainless steel & tamper resistant
- Attachment Bracket – Powder coated steel
- Bowls – Polycarbonate
- Drain – Mixed parts consisting of PVC, Rubber and steel

### **SPECIAL SAFETY & ASTM COMPLIANCE NOTES**

- Must be installed below deck or on stand alone posts
- Gaps between the top of the panel and a deck must be less than 3" or greater than 9"
- Gaps between the post and the panel shall be 3" or less

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

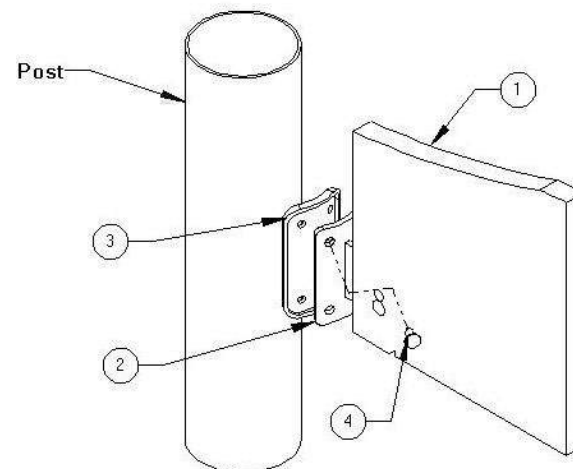
## **INSTALLATION STEPS**

**\_\_1) You will need to assemble the panel first.** To do this you will need the panel (1) and bubble basin (2), three Corner Brackets (8), six 5/16" Washers (9), six 5/16" x 3/4" Button Head Bolt (10), six 5/16" x 1" Button Head Nut (11), six 3/8" Flat Washer (12). First attach the 3 corner brackets to the bubble basin (see detail D). Then attach the bubble basin to the panel (also detail D).

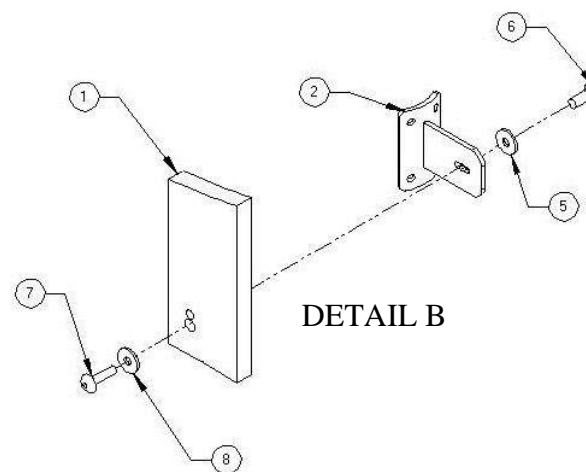
**\_\_2) Install the assembled panel to the playground structure.** To do this you will need four Panel Attachment Brackets (5), four Attachment Bracket Gaskets (6), sixteen Self Tapping Screws (7), three 3/8" x 1 1/4" Button Head Bolt (13), seven 3/8" Flat Washer (12), four 5/16" x 1" Button Head Nut (11). First you will need to locate the posts that the panel attaches to. (Refer to the overhead drawing in your instruction booklet)

**CRITICAL MEASUREMENT** IT IS EXTREMELY IMPORTANT THAT YOU MAINTAIN A 3" DISTANCE BETWEEN THE TOP OF THE PANEL AND THE NEAREST EDGE OF THE POSTS AND THE PANEL SHOULD BE LESS THAN OR EQUAL TO 3" OR GREATER THAN 9" FROM THE TOP OF THE PANEL TO THE BOTTOM OF THE DECK.

**\_\_3) Secure the panel attachment brackets to the posts.** Using the self-tapping screws (7) with the attachment bracket gasket (6) between the post and the attachment bracket (5). It may be necessary to pre drill the holes for the self-tapping screws. (See detail A)



DETAIL A



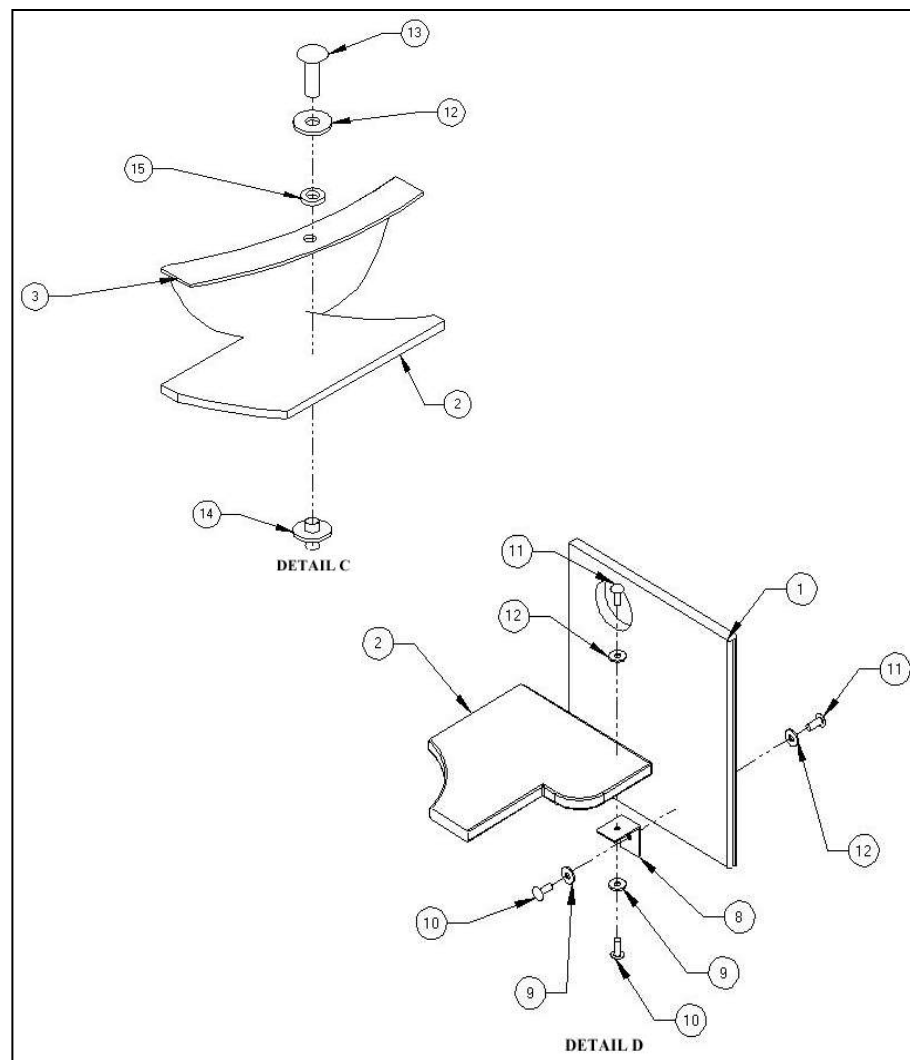
DETAIL B

## INSTALLATION STEPS CONTINUED

**\_\_4) Install panel to attachment brackets:** Once you have all 4 of the panel attachment brackets installed. Locate the panel, with a helper lift the panel into place and mark the holes in the tab of the panel attachment bracket on the panel. Next you need to drill a 1/2" hole in the panel at the marks you made from the panel attachment brackets with the dry erase marker.( see detail B)

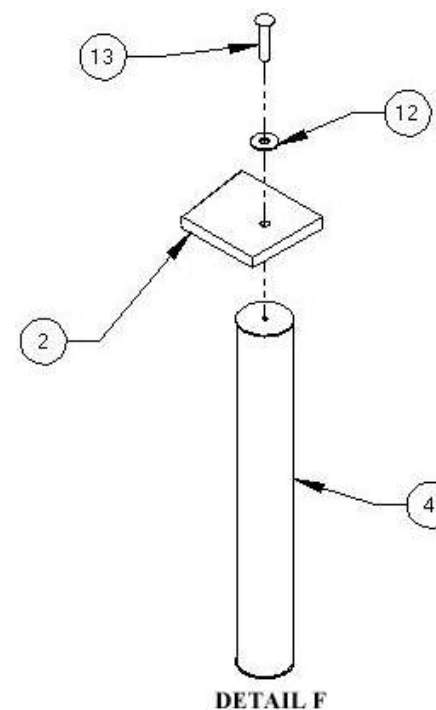
**\_\_5) Install support legs** To complete this step you will need the three 1" Leg Supports (4), three 3/8" Flat Washer (12), three 3/8" x 1 1/4" Button Head Bolt (13) Attach the support legs to the bubble basin (2) with the bolt and flat washer passing through the basin and into the support leg. (One end of the support leg will be threaded See detail F)

**\_\_6) Install the drain assembly:** For this step you will need two 12" acrylic domes packed in a separate box, two PVC Bushings (16), Two PVC Caps (17), Two Conduit Locknuts (18), and two Large O Rings (19). Once you have located the parts you need insert the PVC bushing through the hole in the bottom of the dome with the O-ring installed on the bushing then place the bushing in the bubble. The O-ring will be on the inside of the bubble. Install the Conduit Locknut on the PVC Bushing. (Only tighten the locknut enough to prevent it from leaking) SEE DETAIL E



### **INSTALLATION STEPS CONTINUED**

**\_\_7) Install the Acrylic Domes in Bubble Basin** To complete this step you will need the two 12" acrylic domes with the drain assemblies installed in the previous step. You will also need sixteen 3/8" Flat Washer (12), sixteen 3/8" x 1 1/4" Button Head Bolt (13), sixteen 3/8" T Nuts (14), and sixteen Rubber Washers (16). Place the acrylic domes into the bubble basin (drain facing the ground). Each bolt will need a 3/8 Flat Washer installed on it first then a rubber washer and placed into the factory drilled hole and secure it with the 3/8" T Nut on the bottom of the Bubble Basin (see detail C) The 3/8" T Nut must be installed with the flat side facing the ground. Do not use locktite on this step. (SEE DETAIL C)





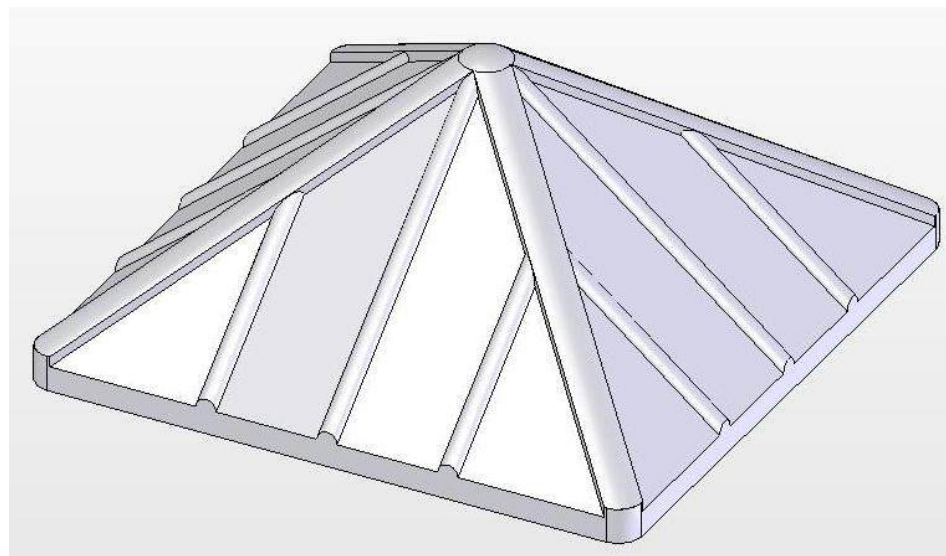
### **INSTALLATION DETAILS**

- Recommended crew (Adult): 2
- Installation time: **1 hr (2 man hrs)**
- User age: **2-12**
- Use zone: **NA**
- Weight: **92 lbs**

**SURFACING:** Use of safety surfacing in compliance with ASTM specification F1292 is required.

### **MAINTENANCE:**

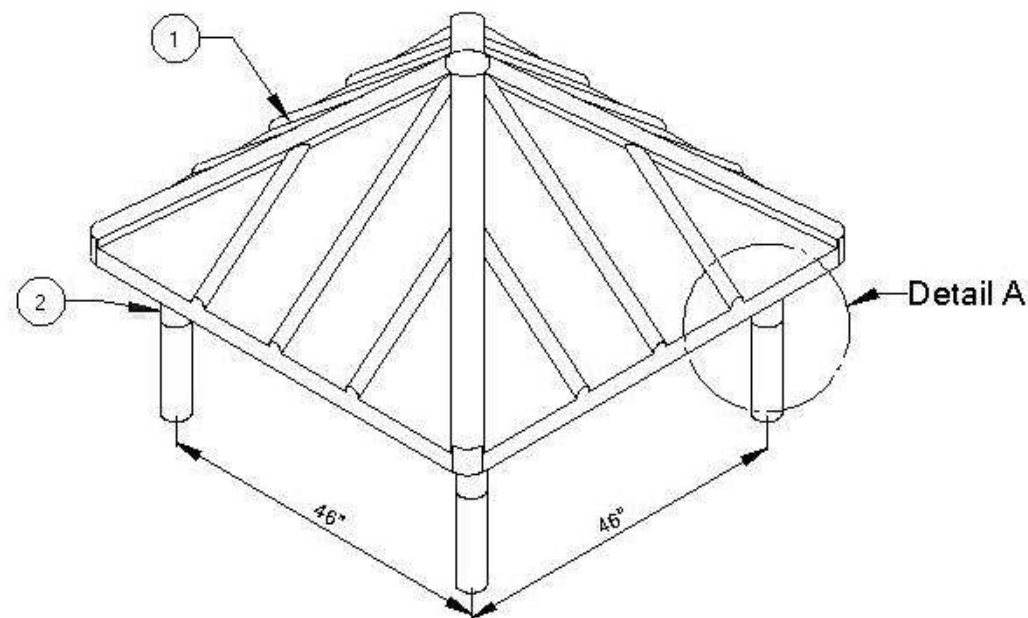
- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.



## PARTS LIST

ID	PART #	DESCRIPTION	QTY
1	435-635	Pyramid Roof	1
2	913-430	Roof Bracket	4
3	516-200	Zip Toggles	12
4	116-608	3/8" x 2" Button Head Bolts	8
5	316-601	3/8" flat Washers	8
6	905-526	Self Tapping Screws	4

**NOTE:** Keep a copy of these instructions on file to assist you with maintenance and replacement parts.





### **SPECIFICATIONS**

- **Paint** – Electrostatically applied & oven cured powder coat
- **Hardware** – Stainless steel & tamper resistant
- **Tube** – FloCoat® Galvanized 1 3/8" O.D. and 1" O.D.
- **Pyramid Roof**-Roto-Molded Plastic.

### **SPECIAL SAFETY & ASTM COMPLIANCE NOTES**

- (MUST INCLUDE SECTION IN STANDARD)

### **INSTALLATION TIPS & TROUBLE SHOOTING**

- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

## **BEFORE YOU BEGIN**

In addition to the components on the packing list you will need a drill and 3/4" drill bit, tape measure, marker, and a ladder.

## **INSTALLATION STEPS**

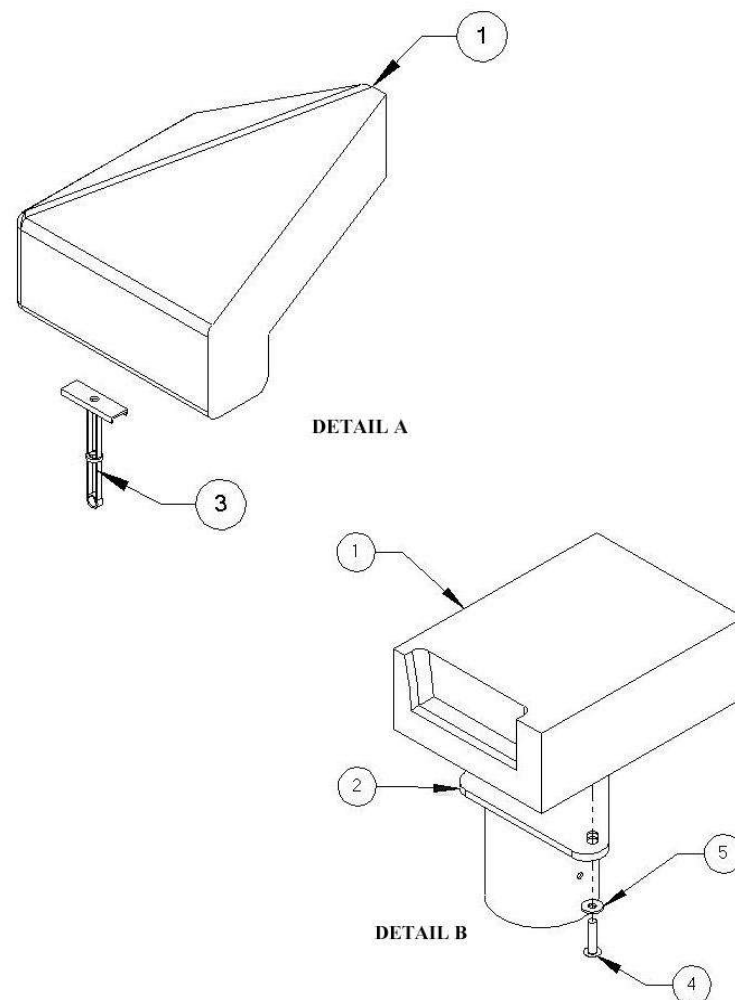
\_\_1) **Review all instructions before beginning:**

\_\_2) **Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.

\_\_3) **Locate placement of the Pyramid Roof:** See top down view of your instruction booklet.

\_\_4) **Temporarily set the Roof Brackets and Pyramid Roof in place:** You will need to set each of the four Roof Brackets (2) on the posts that will support the Pyramid Roof. The rounded side of the Roof Bracket will face to the inside of the deck. *Do not permanently attach them at this time.* Now you can set the Pyramid Roof onto the Roof Brackets. (See detail A)

\_\_5) **Center the Pyramid Roof:** Measure from each edge of the four Roof Brackets to the edge of the Pyramid Roof to center the Pyramid Roof over the deck. Mark the eight holes in the four Roof Brackets.



### **INSTALLATION STEPS CONTINUED**

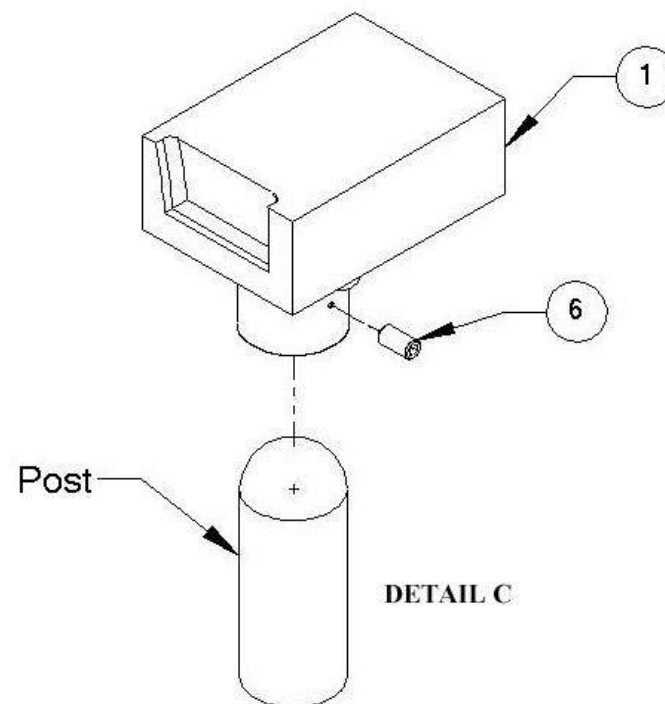
\_\_6) **Drill holes into the Pyramid Roof:** Rotate the Pyramid Roof to allow access to the marks you made in the previous step. Drill each of the eight marks with the 3/4" drill bit. Install a Zip Toggler (3) into each of the holes. Now you can rotate the pyramid Roof back into position.

\_\_7) **Attach the pyramid Roof to the Roof Brackets:** Now that you have the Pyramid Roof lined back up with the Roof Brackets. Install the 3/8" x 2" Button Head Bolt (4) with a 3/8" Flat Washer (5) in on it through the Roof Bracket and into the Pyramid Roof. *Do not tighten these until you have centered the roof with the deck.*

(See detail B)

\_\_8) **Secure the Roof Brackets to the posts:** Now that you have everything attached and centered over the deck, you can install a Self Tapping Screw (6) through the Roof Bracket and into the post. Do this for each of the Roof Brackets. (See detail C)

\_\_9) **Inspect the components:** for sharp edges and if necessary file them down and apply touch up paint.





## 912-275 PYRAMID ROOF INSTALLATION INSTRUCTION

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