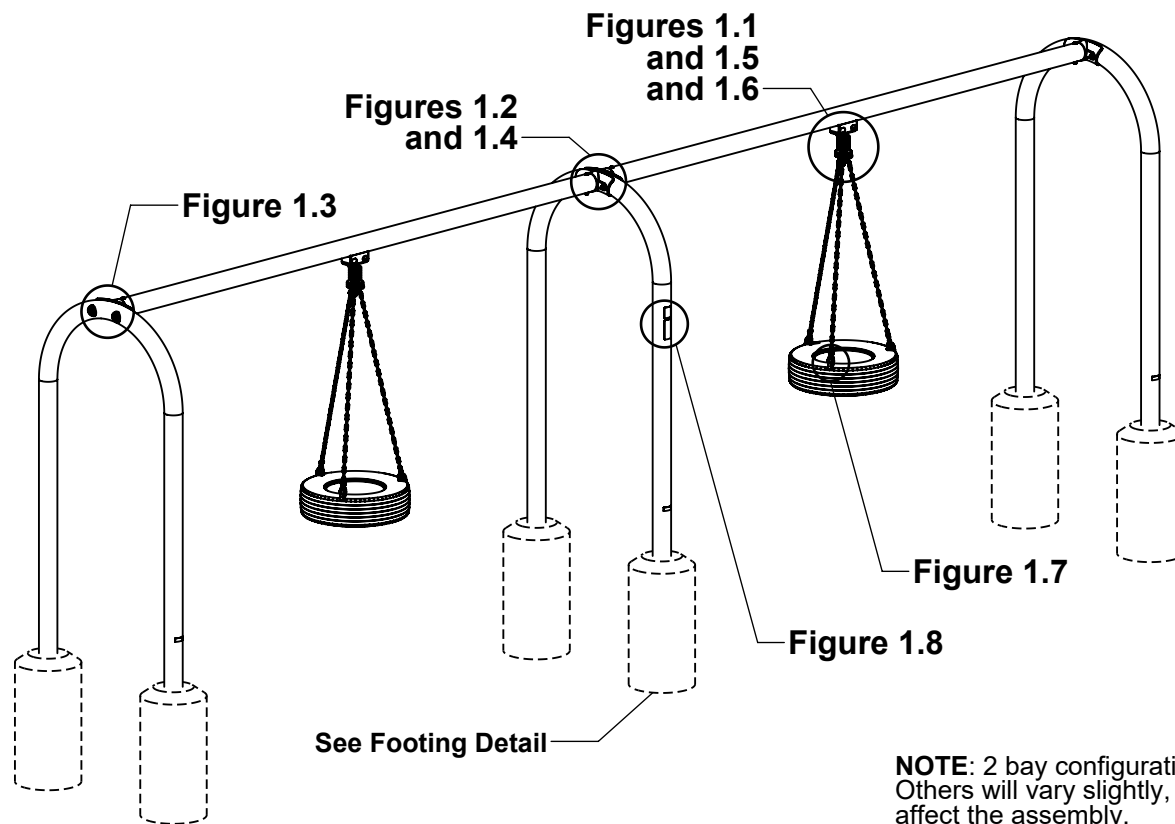


IMPORTANT NOTES: Read First

- (A) Use liquid thread lock (such as Loctite®) with all threaded hardware. **Important:** Liquid thread lock (prior to curing) helps to eliminate the common problem of "thread seizure" in stainless steel hardware by serving as a lubricant during assembly.
- (B) Do not pour concrete until the equipment is completely assembled, leveled and plumbed. Concrete must be allowed to cure completely before using the equipment (at least 72 hours).
- (C) The Tire Swing Swivel must be lubricated **before use** and regularly thereafter. Each Swivel is equipped with a grease fitting(s) that will accommodate a standard grease gun available through most hardware or automotive supply stores.
- (D) Use appropriate compliant protective surfacing and adjust footing depths accordingly. See free publication - The Handbook for Public Playground Safety, Publication #325 at www.CPSC.gov for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.
- (E) Chain length should be adjusted (trimmed) so that the underside of the tire swing is no less than 12" from Ground Cover, but the Pivot Point to the Seating Surface must be 61" or less. See Recommended Tire Swing Height View on Page 2.
- (F) **Important:** Use Arch Swing Casting stamped "T" for all Tire swings.
- (G) If more than two threads of a bolt are exposed beyond the end of the nut then the bolt must be cut down to two threads or less and de-burred until the end is smooth to the touch.
- (H) **Important:** You may adjust the Swing Structure Height from 90" up to 96" while maintaining the 61" max from pivot point to seating surface & the 12" minimum from finish grade to the bottom of the seating surface.

FIGURE 1
R5 Arch Tire Swing



NOTE: 2 bay configuration shown.
Others will vary slightly, but do not
affect the assembly.

ARCH TIRE SWING ASSEMBLY INSTALLATION INSTRUCTIONS

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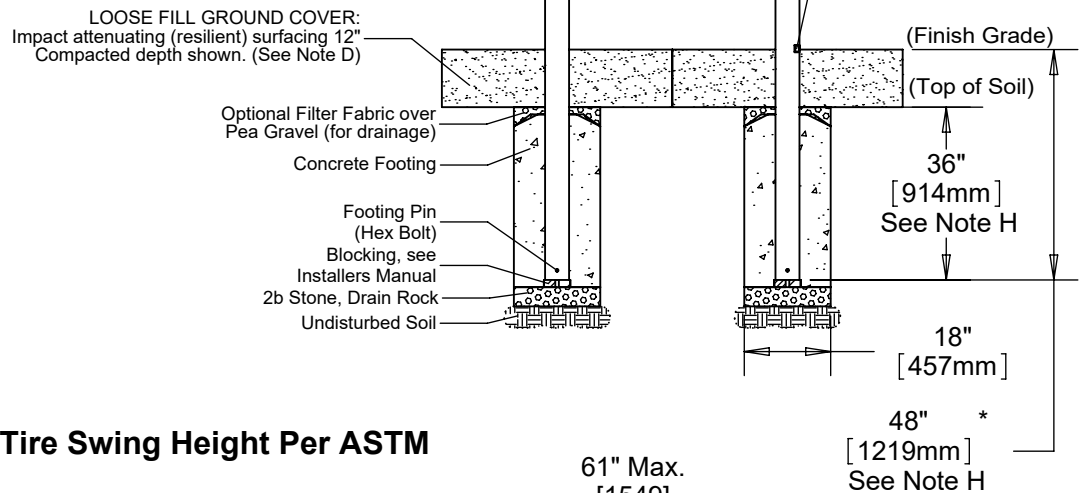
Step 1

Refer to Footing Layout and mark footing hole locations. Dig Ø 18" footing holes. Refer to Footing Detail for depth and details.

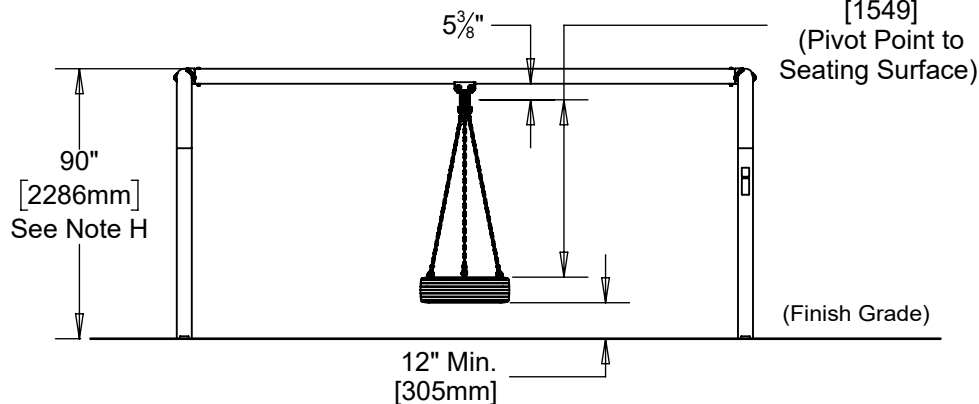
IMPORTANT: For areas with soft soil conditions, larger footings may be required.

* Footing depth must be adjusted to compensate for the depth/thickness requirements of selected safety surfacing. See Section 06.1 of the Installation Manual.

Footing Detail

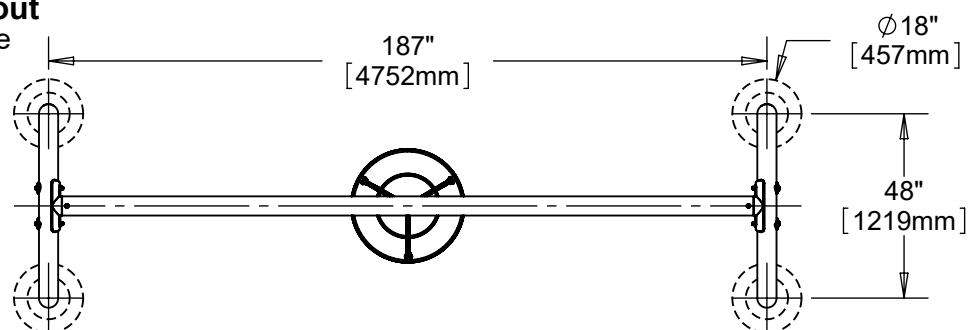


Recommended Tire Swing Height Per ASTM



Top View - Footing Layout

Note: Footing distance is the same for additional bays.



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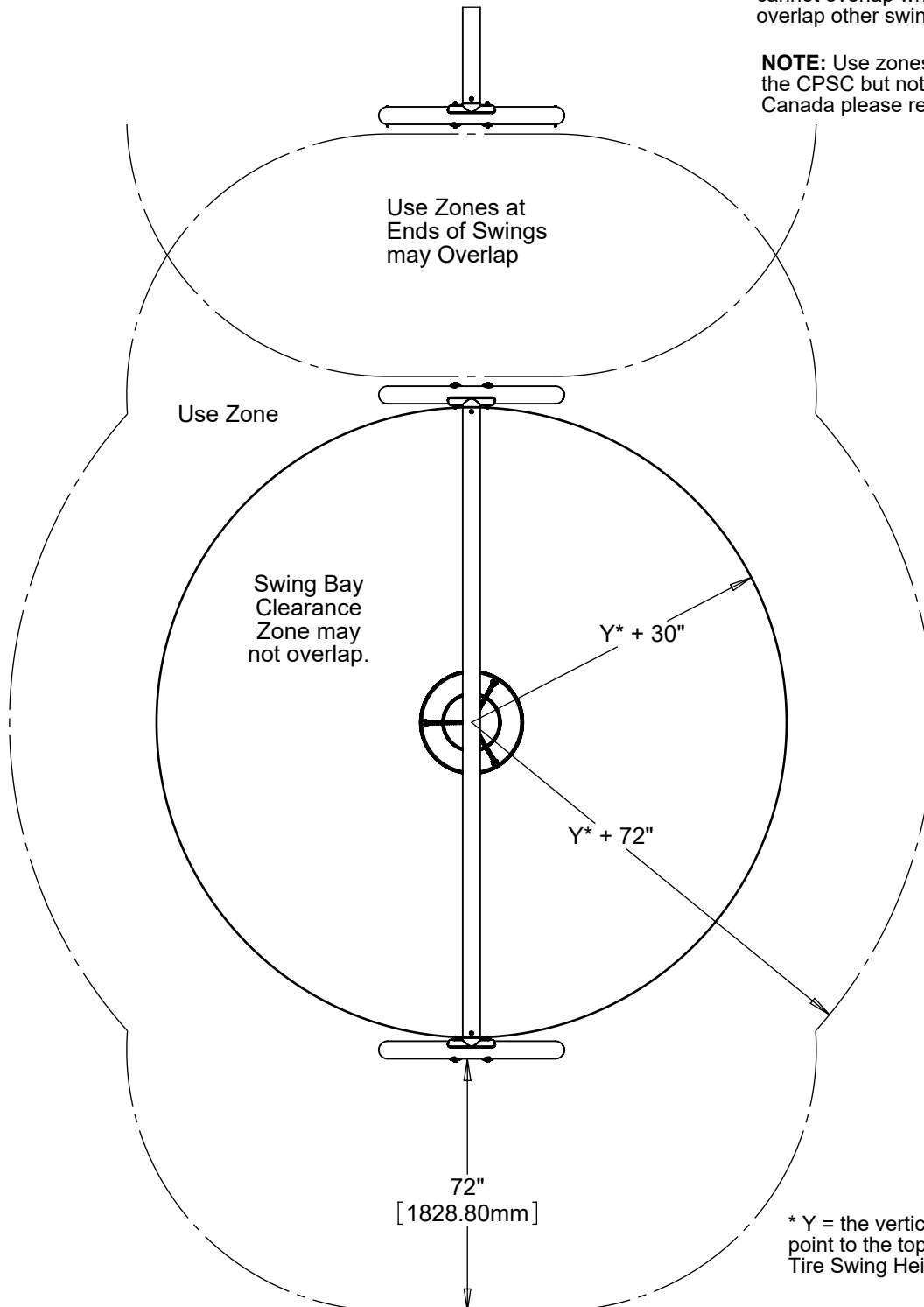
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Use Zone

NOTE: Configuration shown is for illustration of use zones. Your Configuration may vary slightly. Refer to CPSC for corresponding multi-axis swing use zones.

IMPORTANT: Front to Rear Use Zones cannot overlap while End Use Zones may overlap other swing End Use Zones.

NOTE: Use zones are in conformance with the CPSC but not the CSA. If installing in Canada please refer to CSA Z614.



* Y = the vertical distance from the pivot point to the top of the sitting surface. See Tire Swing Height View.



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Step 2 (Factory Assembled)

Locate the Upper and Lower Swivel Blockers in a staggered pattern and then screw together as shown in Figure 1.1.

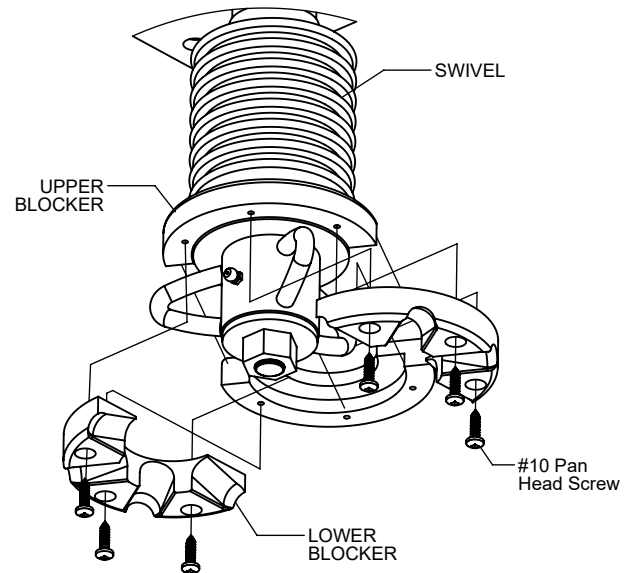


Figure 1.1

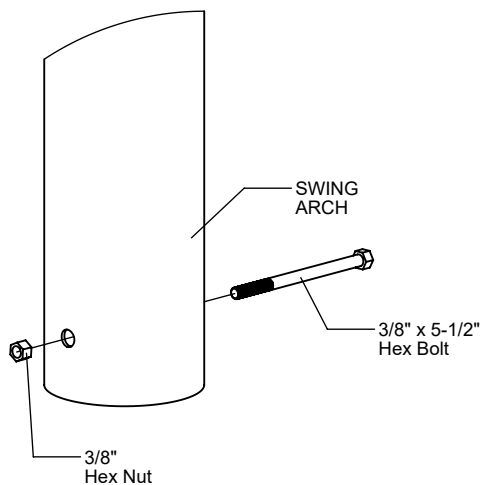


FIGURE 2

Step 3

Attach the footing anchor hex bolt to the post as shown in Figure 2. (See Note A)

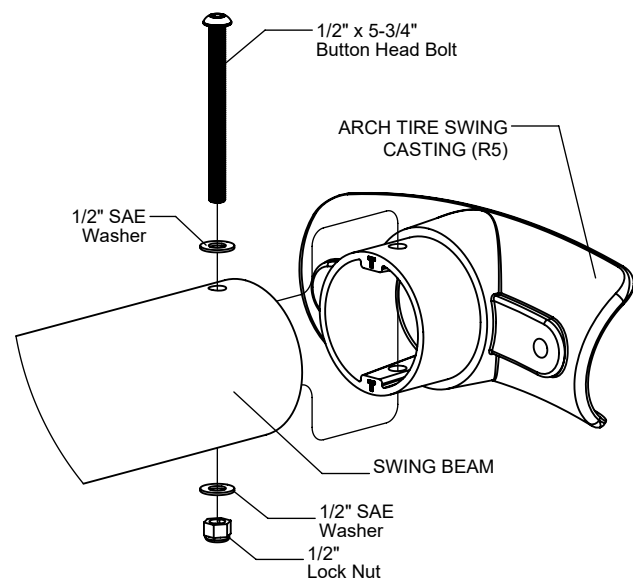


Figure 1.2

Step 4

Attach the Arch Swing Beam to the Arch Tire Swing Casting as shown in Figure 1.2. (See Notes A, F & G)

Step 5

Place the Swing Arches into footing holes and attach the Arch Swing Beam to the Swing Arch as shown in Figure 1.3. (See Notes A & G)

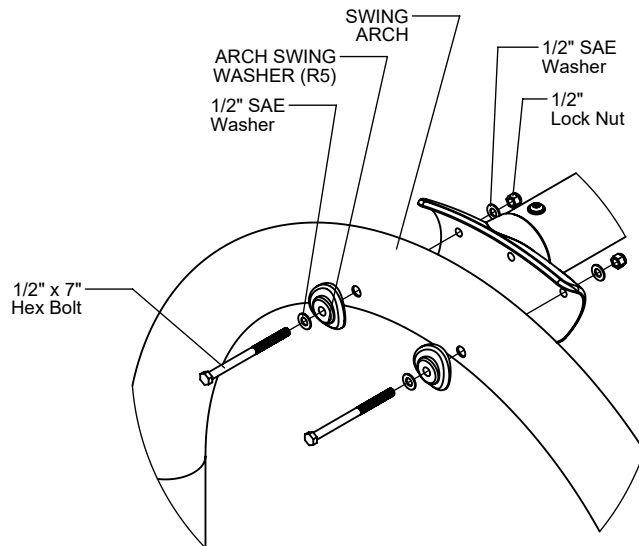


Figure 1.3

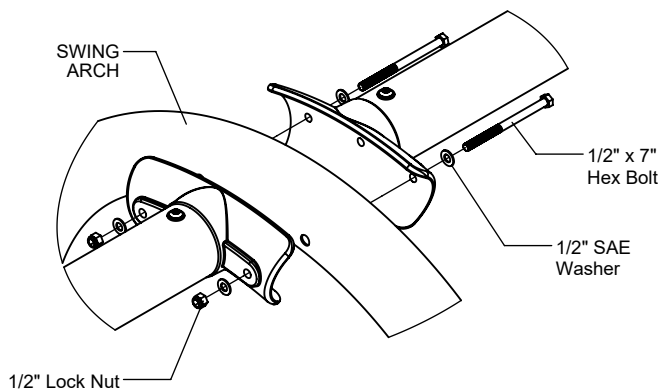


Figure 1.4

Step 6

For Additional Bay Only

Attach the additional Swing Beams to the Swing Arch as shown in Figure 1.4. (See Notes A, F, & G)

Step 7

Attach the Swivel and Blocking Bracket to the Swing Beam as shown in Figure 1.5. (See Note A)

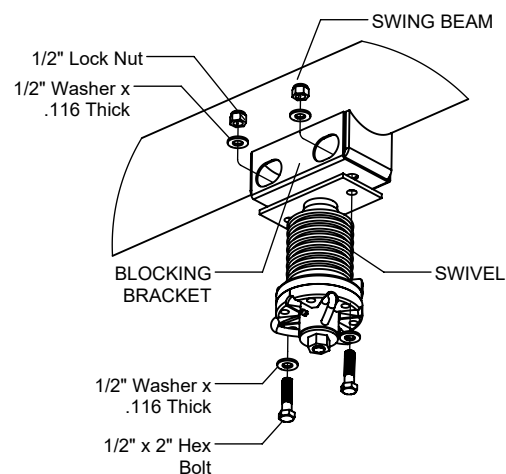


Figure 1.5

Step 8

Locate the Shackles in the Swivel and attach the Chains to the Shackles as shown in Figure 1.6. (See Note A)

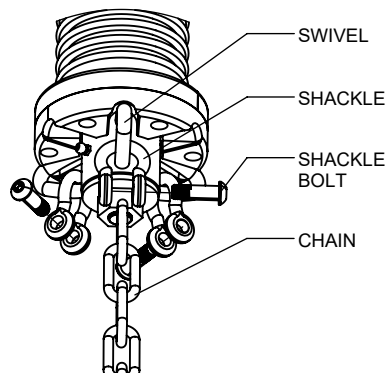


Figure 1.6

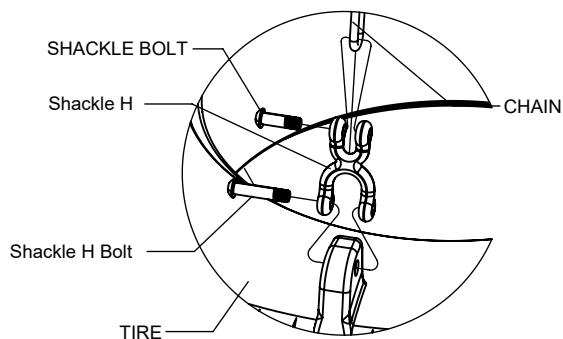


Figure 1.7

Step 9

Cut the Chain as needed to maintain the proper spacing from the swing to the pivot point and attach the Tire, Shackle, and Chain together as shown in Figure 1.7. (See Notes A & E)

Step 10

Apply Warning and 2 - 12 Age Appropriate Label to Swing Arch where visible to users as shown in Figure 1.8. (Dimensions shown indicates suggested placement)

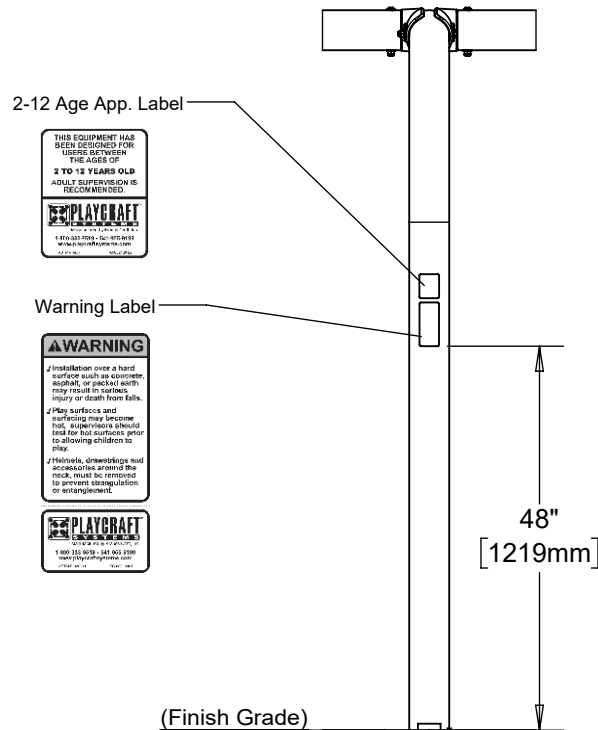


Figure 1.8

Step 11

Fully tighten all fasteners according to the "TIGHTENING TORQUE FOR HARDWARE" section of the Installation Manual.

Step 12

Plumb and level entire component. Pour concrete into footing holes. Allow at least 72 hours to cure before using this equipment. (See Note B)

Step 13

Affix "Top of Surfacing" labels to base of posts indicating the top of minimum required protective surfacing depth. (See Note D)

Step 14

Place appropriate compliant protective surfacing under and around Arch Tire Swing Assembly. (See Note D)

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Parts List

SINGLE BAY		
PART #	DESCRIPTION	QTY
BF-4815	Arch Tire Swing Blocking Bracket	1
FS-PC2010	Arch Tire Swing Beam	1
GF-4424-T	Arch Swing Casting (R5) - TIRE	2
GF-4427	Arch Swing Washer (R5)	4
HE-0007-42	42-Link Dipped Chain	3
LF-4351	Swing Arch R5	2
133010	Arch Swing Tire	1
372011	ASTM 2-12 Age App. Label	1
372016	Warning Label	1
372017	Top of Surfacing Label	3
451165	Shackle w/Bolt	3
451170	Shackle H W/Special Head	3
9105242	Bolt Button Head 1/2" x 5-3/4"	2
9123231	Bolt Hex 3/8" x 5-1/2"	4
9125092	Bolt Hex 1/2" x 2"	2
9125292	Bolt Hex 1/2" x 7"	4
9335002	Washer Flat 1/2" (.116" thick)	4
9345002	Washer Flat SAE 1/2"	12
9415132	Nut Lock 1/2"	8
9483602	Nut Hex 3/8"	4

EACH ADDITIONAL BAY		
PART #	DESCRIPTION	QTY
BF-4815	Arch Tire Swing Blocking Bracket	1
FS-PC2010	Arch Tire Swing Beam	1
GF-4424-T	Arch Swing Casting (R5) - TIRE	2
HE-0007-42	42-Link Dipped Chain	3
LF-4351	Swing Arch R5	1
133010	Arch Swing Tire	1
372017	Top of Surfacing Label	1
451165	Shackle w/Bolt	3
451170	Shackle H W/Special Head	3
9105242	Bolt Button Head 1/2" x 5-3/4"	2
9123231	Bolt Hex 3/8" x 5-1/2"	2
9125092	Bolt Hex 1/2" x 2"	2
9125292	Bolt Hex 1/2" x 7"	2
9335002	Washer Flat 1/2" (.116" thick)	4
9345002	Washer Flat SAE 1/2"	8
9415132	Nut Lock 1/2"	6
9483602	Nut Hex 3/8"	2

Assembled Parts List

SINGLE BAY		
PART #	DESCRIPTION	QTY
EE-0106-LH	Arch Tire Swing Swivel Blocker - Lower Half	2
EE-0106-UH	Arch Tire Swing Swivel Blocker - Upper Half	2
461001	Arch Tire Swing Swivel	1
9251032	Screw SQ #10x3/4 DR PH SMS SS	6

EACH ADDITIONAL BAY		
PART #	DESCRIPTION	QTY
EE-0106-LH	Arch Tire Swing Swivel Blocker - Lower Half	2
EE-0106-UH	Arch Tire Swing Swivel Blocker - Upper Half	2
461001	Arch Tire Swing Swivel	1
9251032	Screw SQ #10x3/4 DR PH SMS SS	6

Specifications

SWING ARCH:

Shall be fabricated from 5" O.D. 11 gauge galvanized steel tubing and will have a multi-stage baked-on powder coat finish.

SWING BEAM:

Shall be fabricated from 5" O.D. 7 gauge galvanized steel tubing and will have a multi-stage baked-on powder coat finish.

ARCH SWING CASTING AND ARCH SWING WASHER:

Shall be precision die-cast from a high-strength aluminum alloy and will have a multi-stage baked-on powder coat finish.

SWING CHAIN:

Shall be 5/0 galvanized low-carbon steel chain with silver shield finish and Play-Tuff™ coated after fabrication.

TIRE SWING SEAT:

Shall be constructed of UV-stabilized, rotationally molded, linear, low density polyethylene with an average wall thickness of 1/4". The Tire Swing Seat shall have a bushing at each chain mount location.

HARDWARE:

Shall be stainless steel, zinc/nickel plated or galvanized as required to resist rust and corrosion.

Maintenance

Periodically tighten all screws, bolts and nuts. A periodic inspection of all parts is necessary. If a part is broken or worn, replace immediately. For general maintenance please refer to our Playground Maintenance Manual.



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