

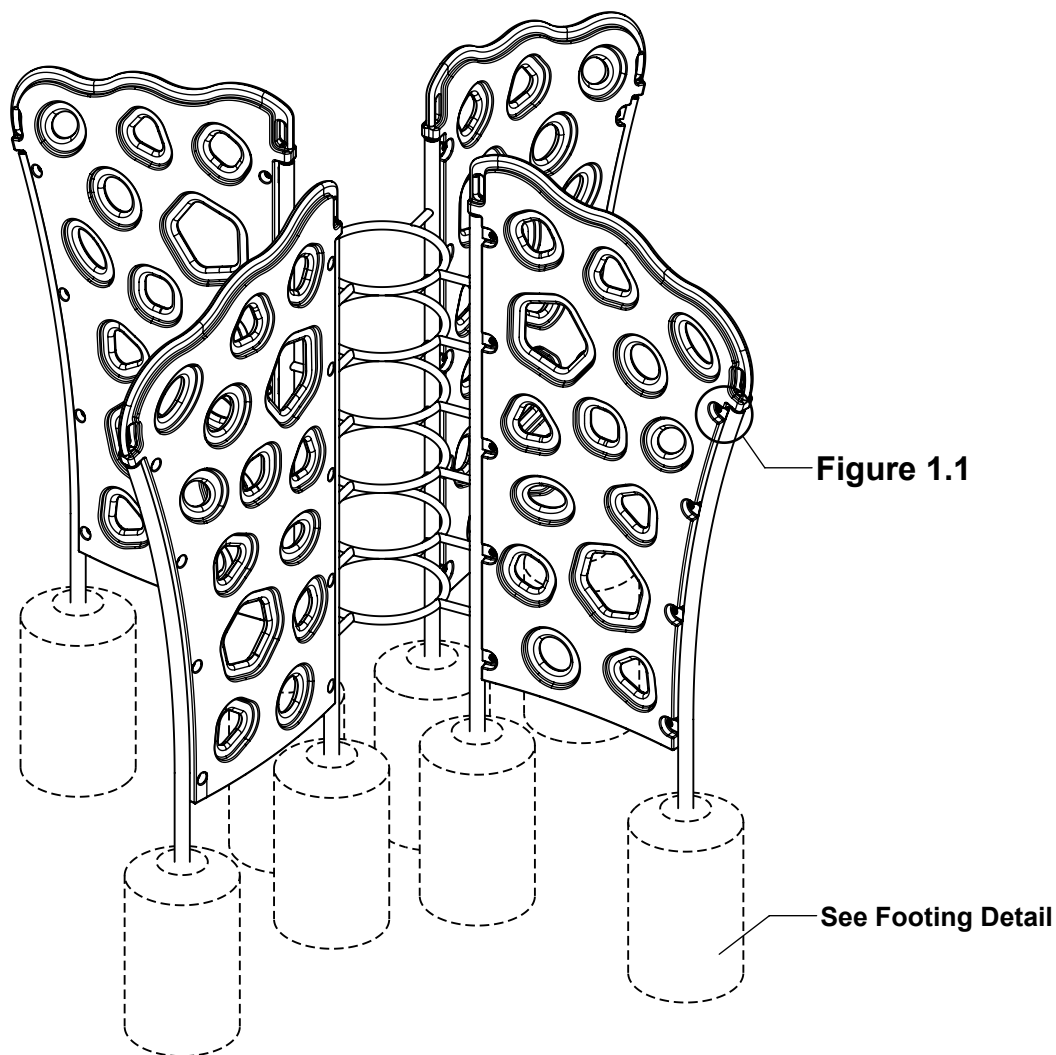
## IMPORTANT NOTES: Read First

(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) An appropriate energy absorbing safety surface is required under and around all playground equipment. Loose fill protective surfacing is shown only as an example for the purpose of this assembly instruction. Other surfacing material may vary in thickness and/or compression depths. See free publication - The Handbook for Public Playground Safety, Publication #325 at [www.cpsc.gov](http://www.cpsc.gov) for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.

**FIGURE 1**  
Roto Free Form Climber Ring



**NOTE:** Quad Roto Free Form Climber Ring shown. Triple Roto Free Form Climber Ring will vary slightly but does not affect assembly.

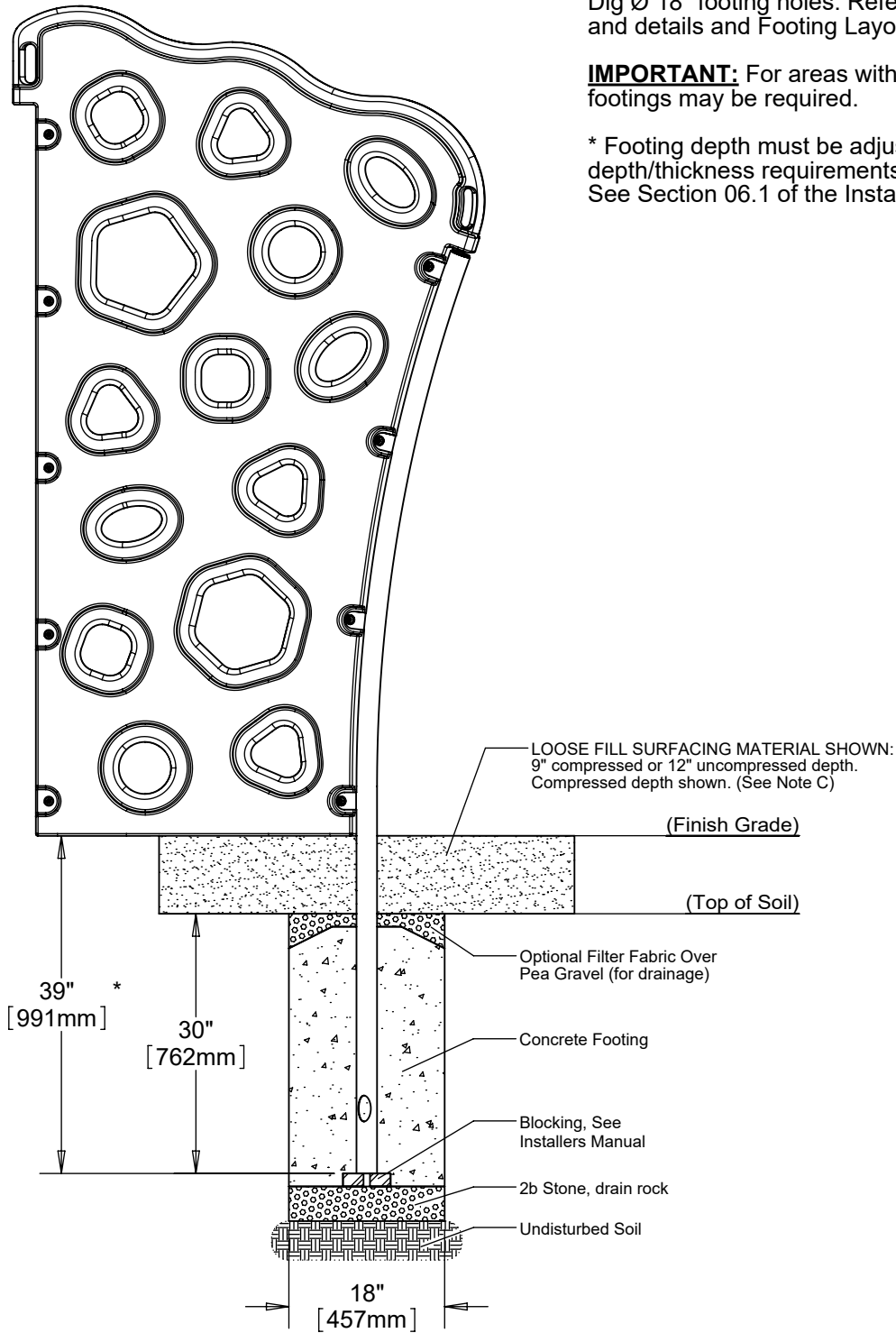
## Footing Detail

## Step 1

Dig Ø 18" footing holes. Refer to Footing Detail for depth and details and Footing Layouts for location and quantity.

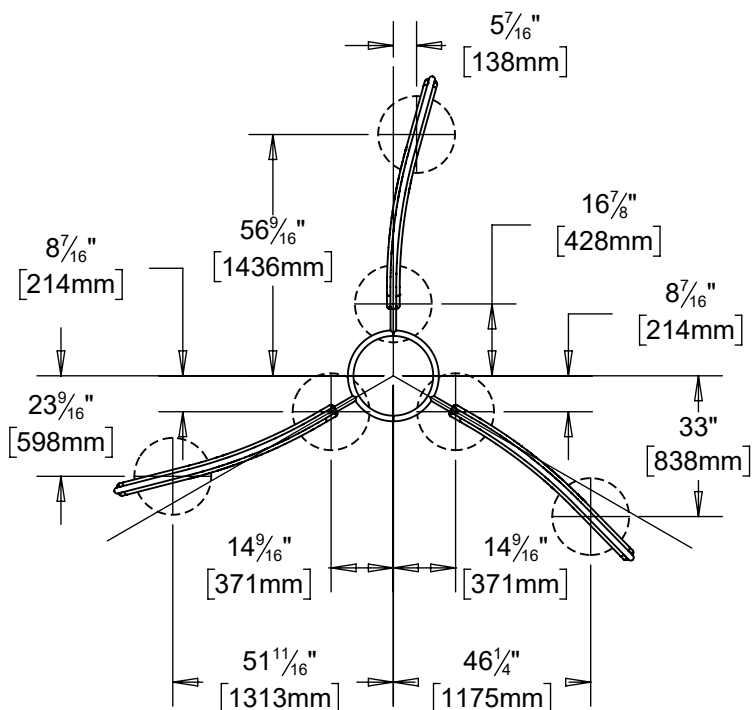
**IMPORTANT:** For areas with soft soil conditions, larger footings may be required.

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

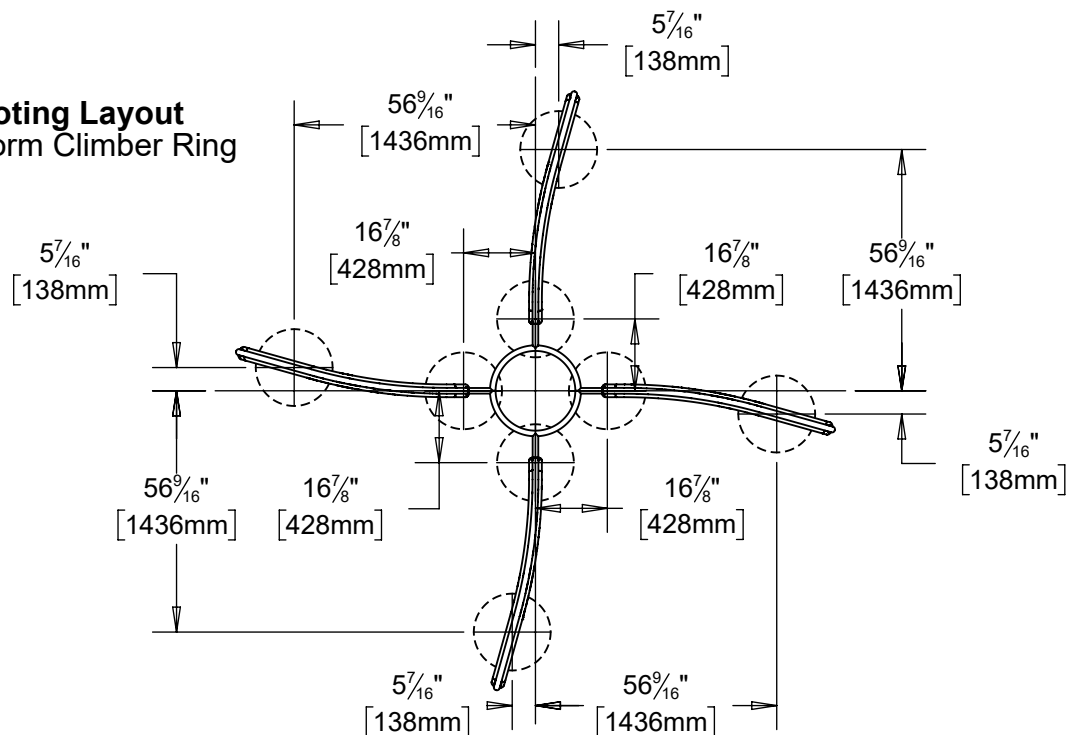


# ROTO FREE FORM CLIMBER RING INSTALLATION INSTRUCTIONS

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**Top View - Footing Layout**  
Quad Roto Free Form Climber Ring



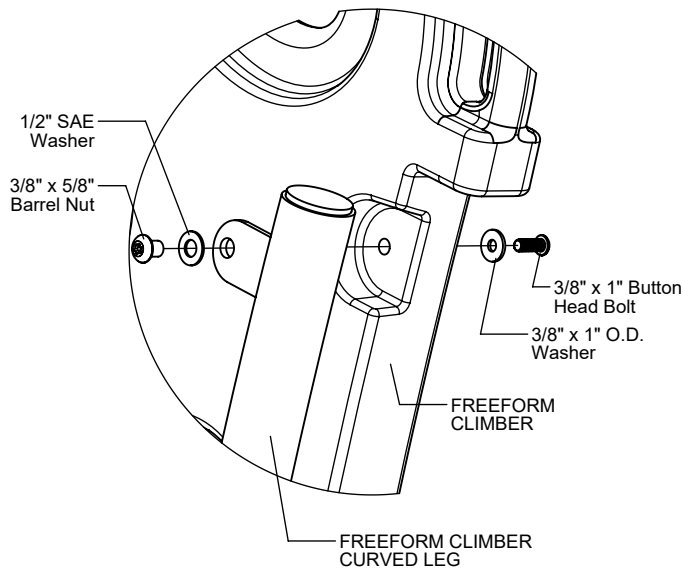


Figure 1.1

## Step 2

Place Legs into footing holes and attach Free Form Climbers to Free Form Climber Legs as shown in Figure 1.1. (See Note A)

**NOTE:** Match labeled Free Form Climber to corresponding Free Form Climber Leg and Ring Leg.

## Step 3

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

## Step 4

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 5

Place required protective surfacing under and around Roto Free Form Climber Ring. (See Note C)

## Specifications

### FREE FORM CLIMBER:

Shall be constructed of UV-stabilized, rotationally molded, linear, low density polyethylene with an average wall thickness of .250".

### FREE FORM CLIMBER RING:

Shall be fabricated from 2.375" O.D. 10 gauge steel tubing for the straight leg with 1.315" O.D. 12 gauge steel tubing for the center climbing Rings and 1/4" thick steel tabs to mount the Free Form Climber. The Free Form Climber Ring has a multi-stage baked-on powder coat finish.

### FREE FORM CURVED LEG:

Shall be fabricated from 2.375" O.D. 10 gauge steel tubing with welded on 1/4" thick steel tabs. The Free Form Curved Leg has a multi-stage baked-on powder coat finish.

### HARDWARE:

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

## Parts List

TRIPLE ROTO FREE FORM CLIMBER RING		
PART #	DESCRIPTION	QTY
DE-4705	Freeform Climber	3
FS-1238-CRV	Freeform Climber Curved Leg	3
FS-PC2910-3	Triple Free Form Climber Ring	1
9103052-TR	Bolt Button Head 3/8" x 1"	27
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	27
9345002	Washer Flat SAE 1/2"	27
9443022-TR	Nut Barrel 3/8" x 5/8" BH	27

QUAD ROTO FREE FORM CLIMBER RING		
PART #	DESCRIPTION	QTY
DE-4705	Freeform Climber	4
FS-1238-CRV	Freeform Climber Curved Leg	4
FS-PC2910-4	Quad Free Form Climber Ring Legs	1
9103052-TR	Bolt Button Head 3/8" x 1"	36
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	36
9345002	Washer Flat SAE 1/2"	36
9443022-TR	Nut Barrel 3/8" x 5/8" BH	36

## 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.