

## IMPORTANT NOTES: Read First

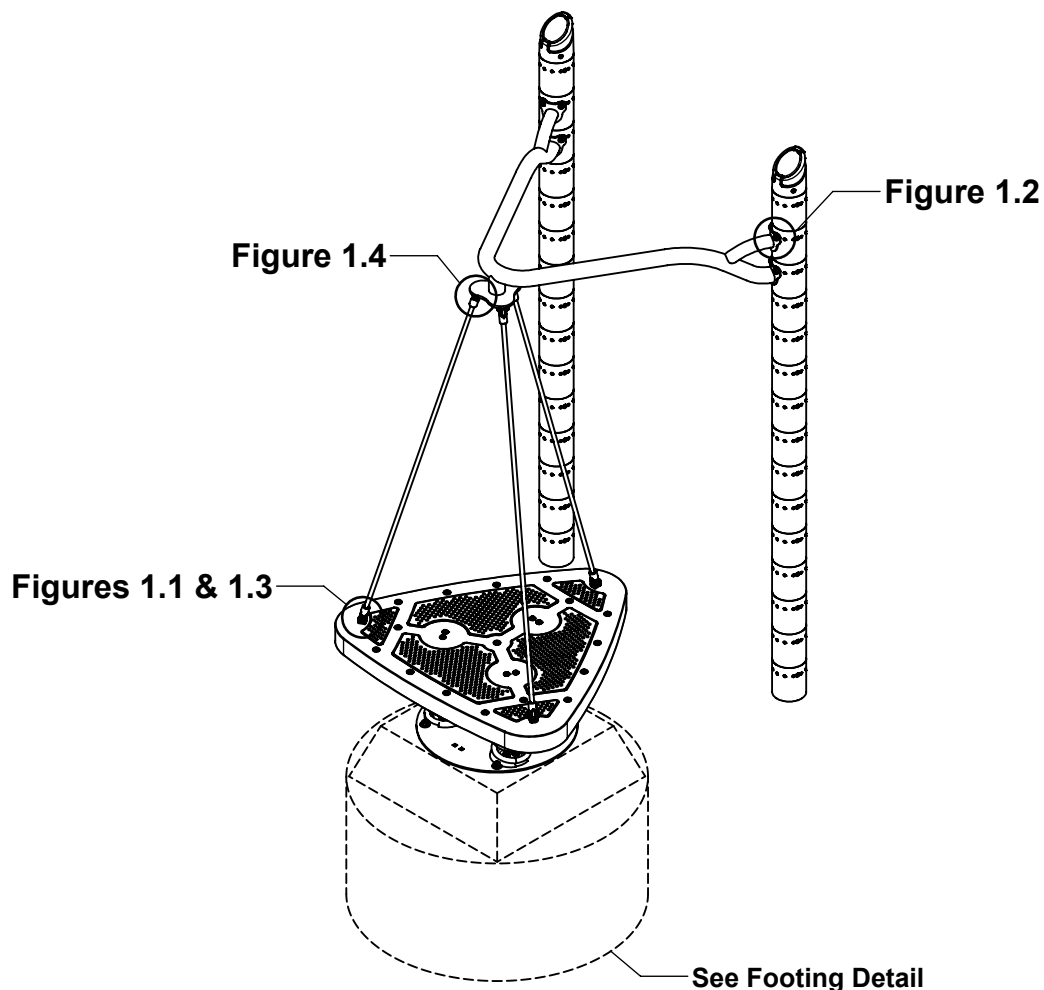
(A) Use liquid thread lock (such as Loctite®) with all threaded hardware. **Important:** Liquid thread lock (prior to curing) helps to eliminate the common problem of "thread seizure" in stainless steel hardware by serving as a lubricant during assembly.

(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) All bolt threads protruding beyond the nut must be cut and de-burred until end is smooth to the touch. Sharp edges and/or points of any kind must be eliminated. A maximum of two threads may be exposed beyond the end of the nut.

(D) 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**  
**Rumble Deck**



### Step 1

Refer to Footing Layout and mark footing hole location. Dig (1) Ø 44" footing hole. 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.

\*\* Height shown from finish grade to mounting hole.

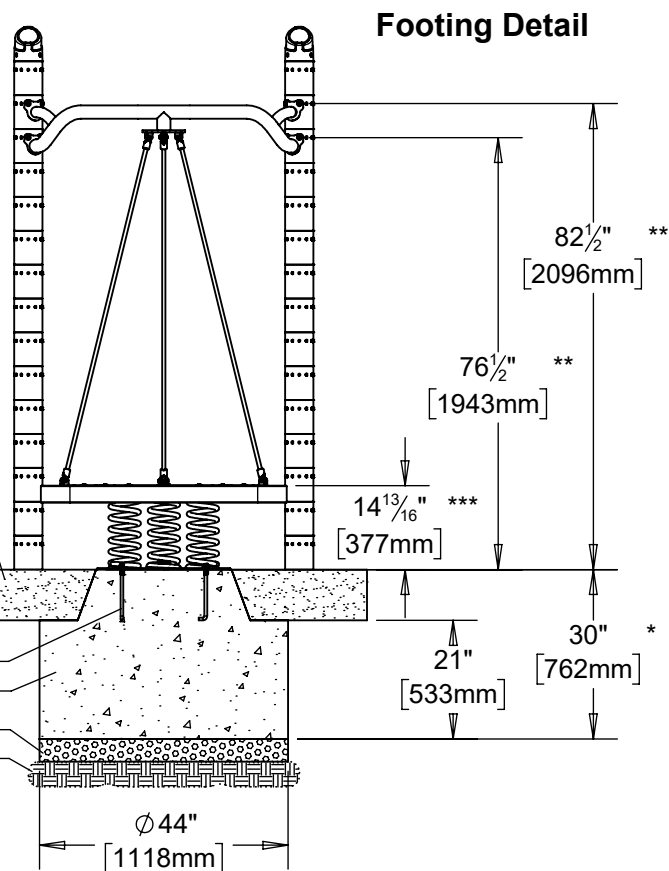
\*\*\* Height shown from finish grade to top of deck.

LOOSE FILL SURFACING MATERIAL SHOWN:  
9" compressed or 12" uncompressed depth.  
Compressed depth shown. (See Note D)

(Finish Grade)

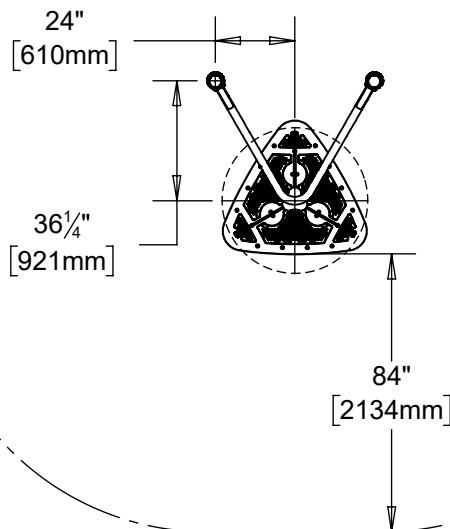
(Top of Soil)

Anchor Bolt  
Concrete Footing  
2b Stone, drain rock  
Undisturbed Soil



### Top View - Footing Layout 84" [2134mm] Use Zone Recommended

**Refer to current ASTM 1487 standards:**  
The Use Zone for Rocking or Spring equipment upon which the user is intended to stand shall be no less than 84" [2134mm] in all directions from the at rest perimeter of the play structure.



## Step 2

Use Multi-Spring Deck Mounting Plate as a template to create a plywood template for the placement of the anchor bolts. Attach anchor bolts to template as shown in Figure 2.

**NOTE:** Plywood not supplied.

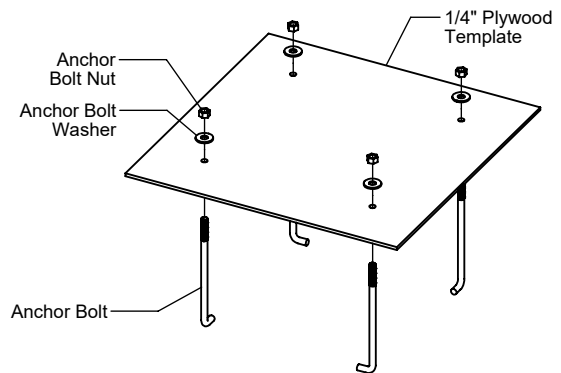


FIGURE 2

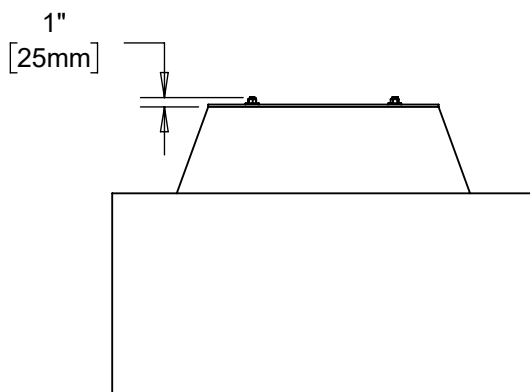


FIGURE 3

## Step 3

Pour concrete footing and level template on surface. Orient and set anchor bolts in concrete as shown in footing detail. Allow approximately 1" [25mm] of thread to protrude from the concrete as shown in Figure 3. Allow 72 hours to cure before proceeding to next step. (See Note B)

## Step 4 (Factory Assembled)

Attach Tri Spring Deck Insert to Rumble Deck Frame as shown Figure 4. (See Note A)

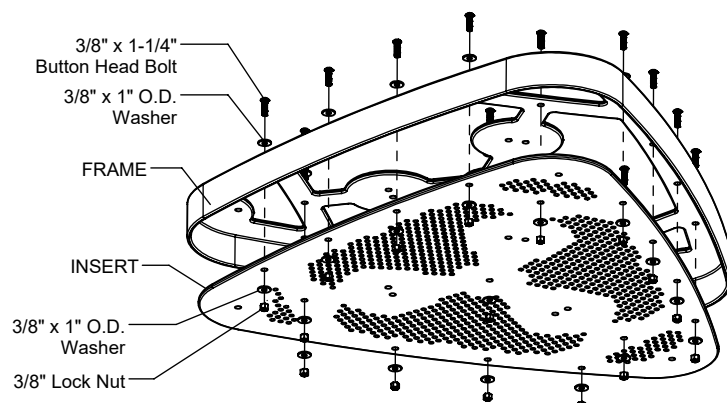


FIGURE 4

### Step 5 (Factory Assembled)

Insert Event Spring Retainers into Springs and attach Springs to Rumble Deck Frame as shown in Figure 5. (See Note A)

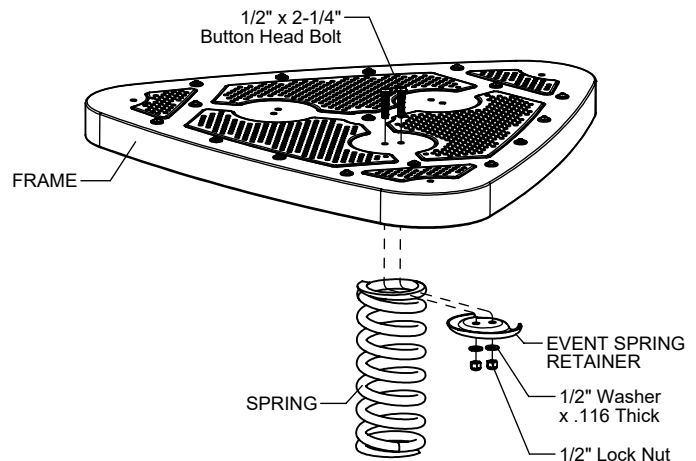


FIGURE 5

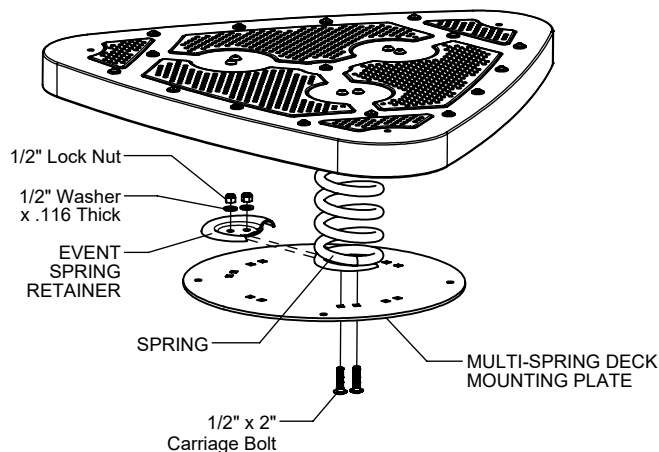


FIGURE 6

### Step 7

Attach Clevis to Rumble Deck Frame as shown in Figure 1.1. (See Note A)

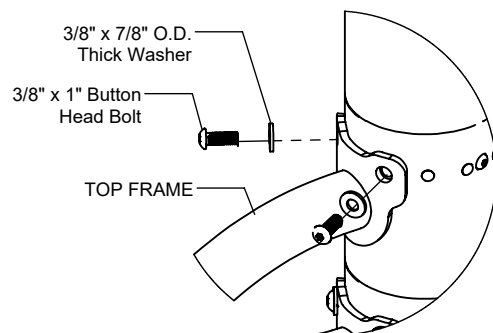
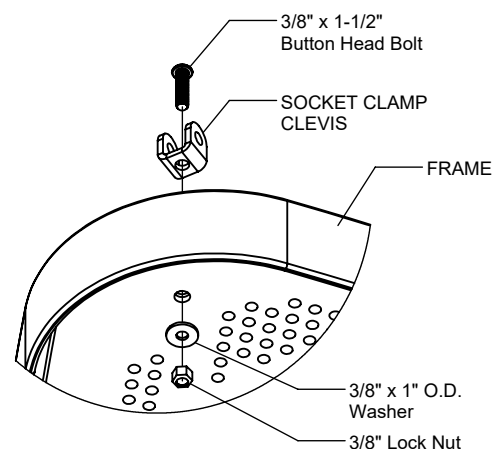


Figure 1.2

### Step 6 (Factory Assembled)

Insert Event Spring Retainers into Springs and attach Springs to Multi-Spring Deck Mounting Plate as shown in Figure 6. (See Note A)

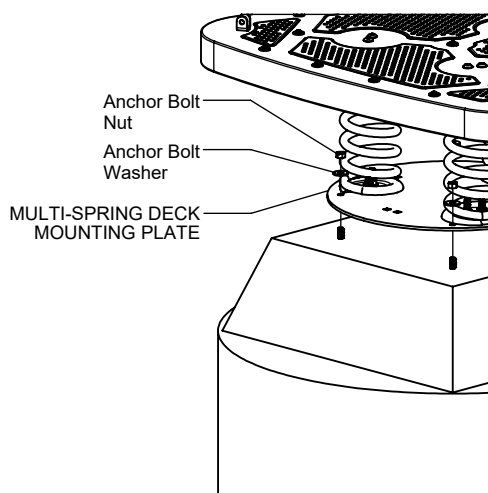


### Step 8

Refer to Footing Detail and remove required Hole Plugs. Attach Top Frame to posts as shown in Figure 1.2. (See Note A)

## Step 9

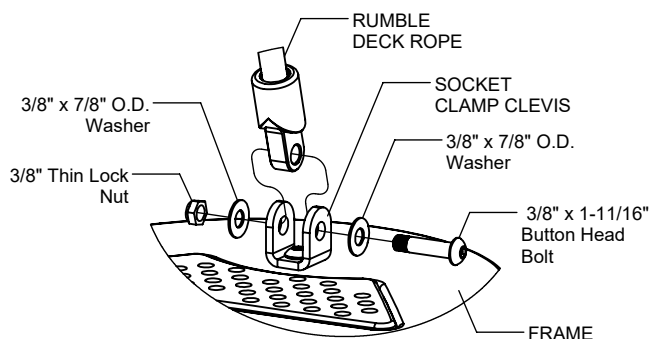
Attach Multi-Spring Deck Mounting Plate to Anchor Bolts as shown in Figure 7. (See Note C)



**FIGURE 7**

## Step 10

Attach Rumble Deck Ropes to Rumble Deck Frame as shown in Figure 1.3. (See Note A)



**Figure 1.3**

## Step 11

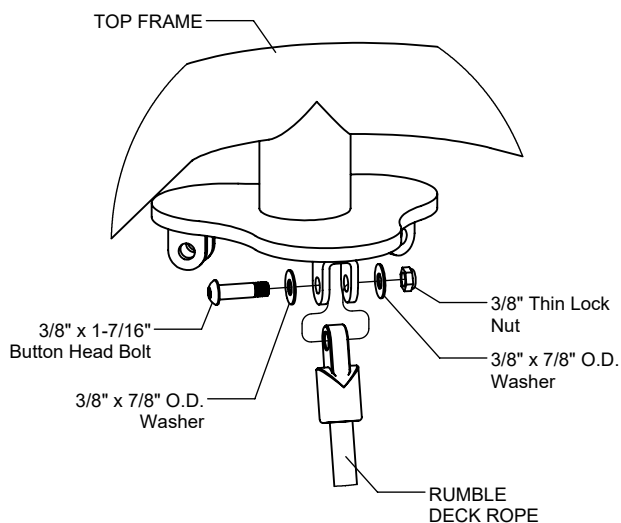
Attach Rumble Deck Ropes to Top Frame as shown in Figure 1.4. (See Note A)

## Step 12

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

## Step 13

Place required protective surfacing under and around Rumble Deck. (See Note D)



**Figure 1.4**

## Parts List

Part #	DESCRIPTION	QTY
BE-1105	Socket Clamp Rope Clevis	3
FS-1971-RV	Rumble Deck Top Frame RV	1
HE-0060	Rumble Deck Rope	3
9103052-TR	Bolt Button Head 3/8" x 1"	8
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	3
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	3
9103210-TR	Bolt Button Head 3/8" x 1-11/16"	3
9175393	Bolt Anchor 1/2" x 9-1/2" w/ Washer and Nut	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	3
9333042	Washer Flat 3/8" x 7/8" O.D.	12
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	8
9413002	Nut Lock 3/8"	3
9423002	Nut Lock Thin 3/8"	6

## Assembled Parts List

Part #	DESCRIPTION	QTY
AE-4918	Multi-Spring Deck Mounting Plate	1
BE-4514	Event Spring Retainer	6
CE-0236-F	Tri Spring Deck - Frame	1
CE-0236-I	Tri Spring Deck - Insert	1
HE-4498	Playground Event Spring	3
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	16
9105100	Bolt Button Head 1/2" x 2-1/4"	6
9115092	Bolt Carriage 1/2" x 2"	6
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	32
9335002	Washer Flat 1/2" (.116" thick)	12
9413002	Nut Lock 3/8"	16
9415132	Nut Lock 1/2"	12

## Specifications

### MULTI-SPRING DECK MOUNTING PLATE:

Shall be precision cut using 1/4" thick plate steel and will have a multi-stage baked-on powder coat finish.

### PLAYGROUND EVENT SPRING:

Shall be 5-3/4" O.D. with a free height of 14" and will have a multi-stage baked-on powder coat finish.

### ROPE CLEVIS:

Shall be fabricated using precision cut and formed 3/16" thick plate steel.

### RUMBLE DECK FRAME:

Shall be fabricated using punched, formed and welded 12 gauge sheet steel and will be Play-Tuff™ coated after fabrication.

### RUMBLE DECK ROPE:

Shall be made from 16mm steel reinforced rope with high-strength copolymer plastic intersection connectors and machined aluminum end ferrules.

### EVENT SPRING RETAINER:

Shall be fabricated using precision cut and formed 1/8" thick plate steel and will have a multi-stage baked-on powder coat finish.

### TRI SPRING DECK:

Shall be fabricated using punched and welded 12 gauge sheet steel and will be Play-Tuff™ coated after fabrication.

### 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.