

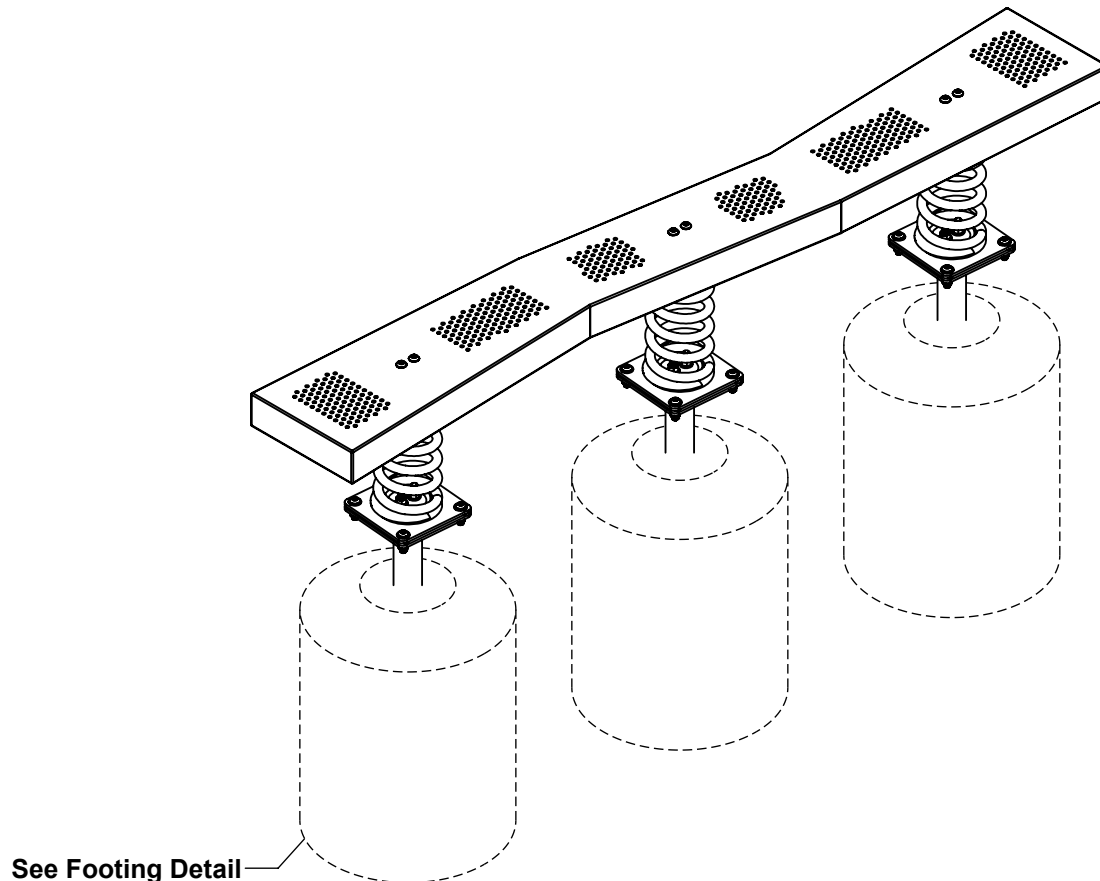
## IMPORTANT NOTES: Read First

(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**  
Wiggle Beam



**NOTE:** Spring Mount Wiggle Beam shown.

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## Step 1

Refer to Footing Layout and mark footing hole locations. Dig (3) Ø18" footing holes. Refer to Footing Detail for depth and details.

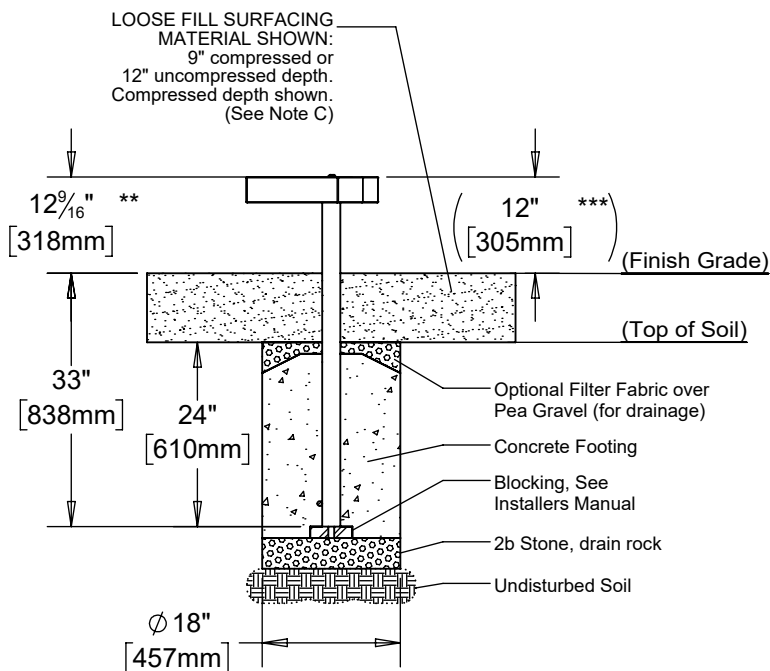
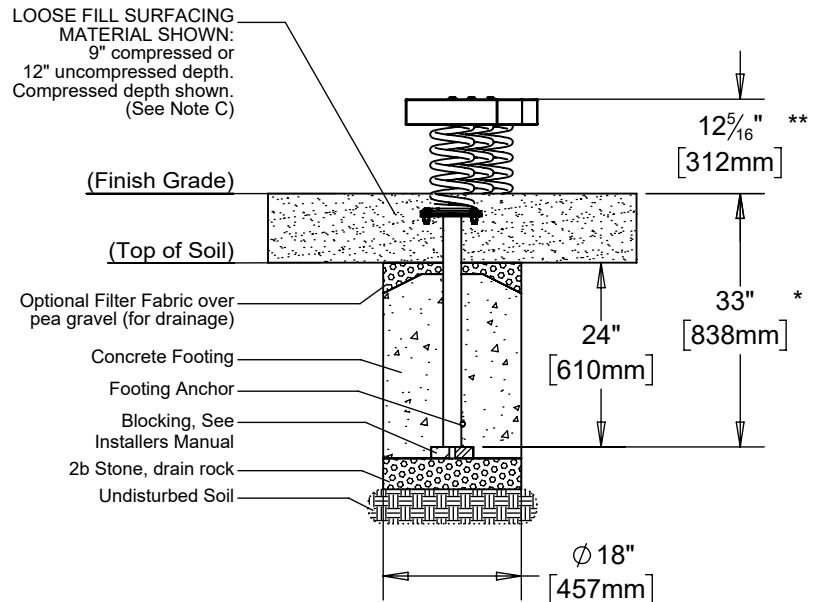
**IMPORTANT:** For areas with soft soil conditions, larger footings may be required.

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

\*\* Height shown from top of Wiggle Beam to top of Finish Grade.

\*\*\* For fixed mount only when installed for 2-5 age range height from TOP of surface must be 12" or less.

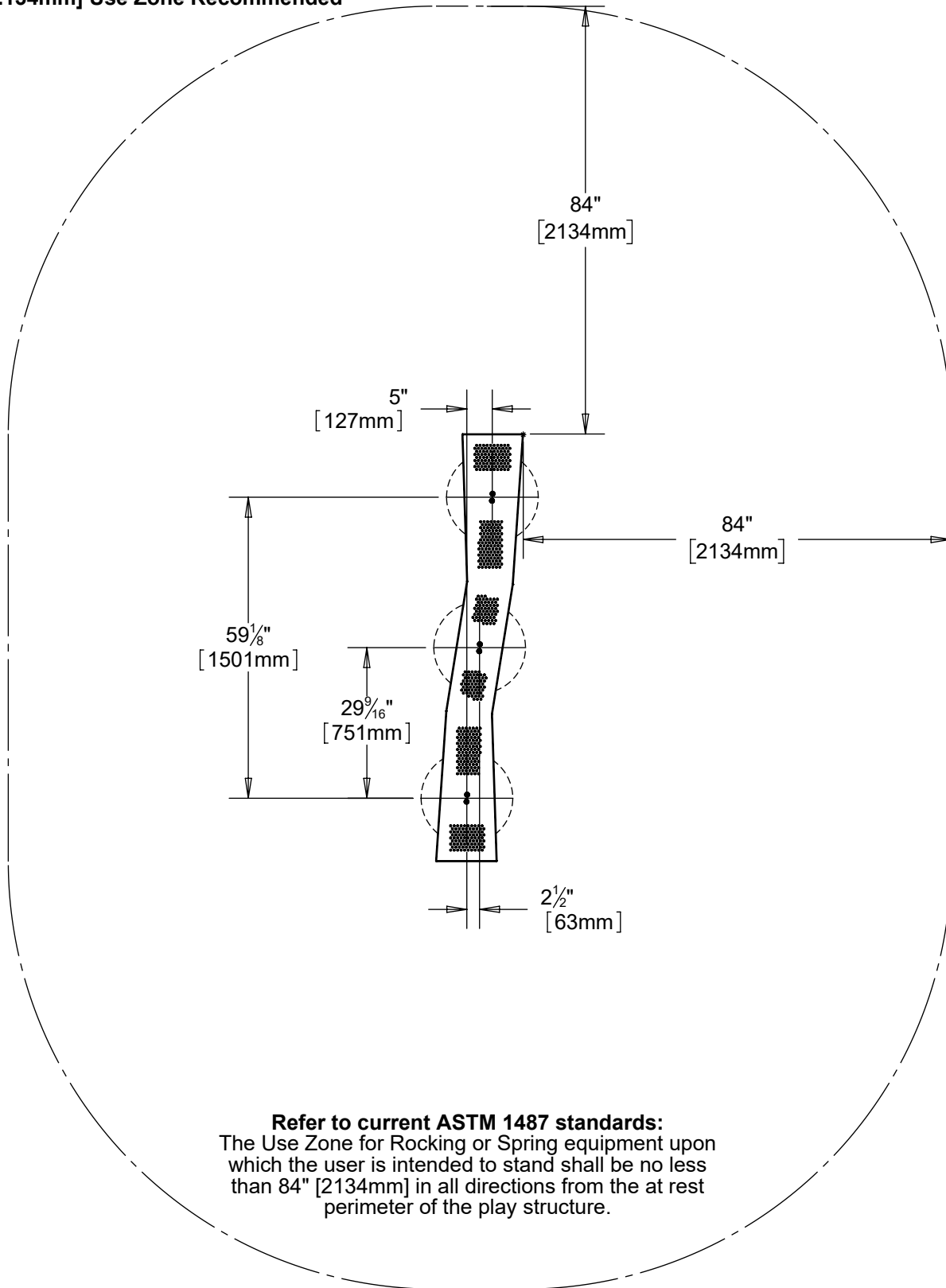
### Footing Detail



# WIGGLE BEAM INSTALLATION INSTRUCTIONS

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

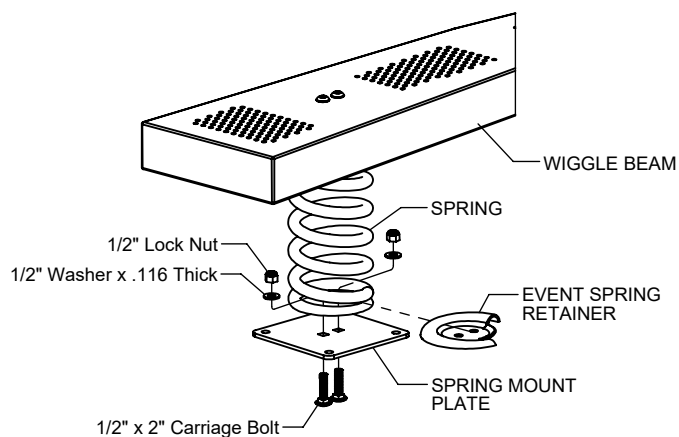


**Refer to current ASTM 1487 standards:**  
The Use Zone for Rocking or Spring equipment upon which the user is intended to stand shall be no less than 84" [2134mm] in all directions from the at rest perimeter of the play structure.

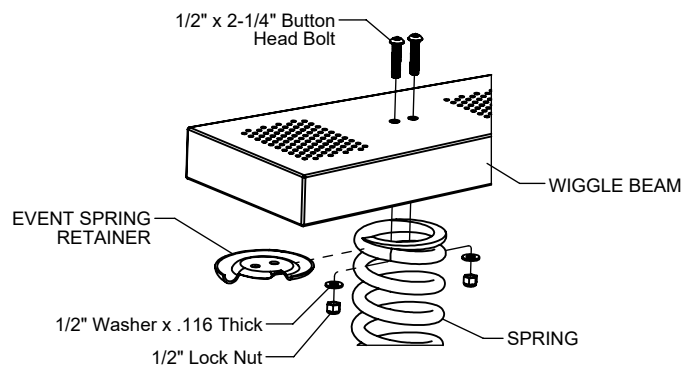
## Step 2 (Factory Assembled)

### For Spring Mount Only

Insert Spring Mount Puck into Spring and attach to Wiggle Beam as shown in Figure 2. (See Note A)



**FIGURE 3**



**FIGURE 2**

## Step 3 (Factory Assembled)

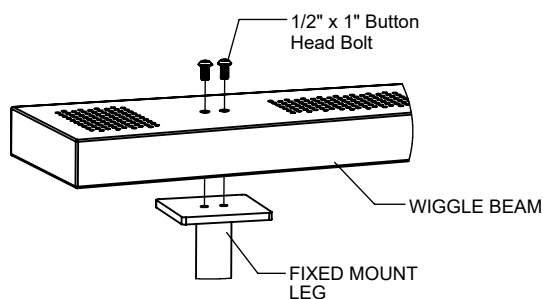
### For Spring Mount Only

Insert Spring Mount Puck into Spring and attach to Spring Mount Plate as shown in Figure 3. (See Note A)

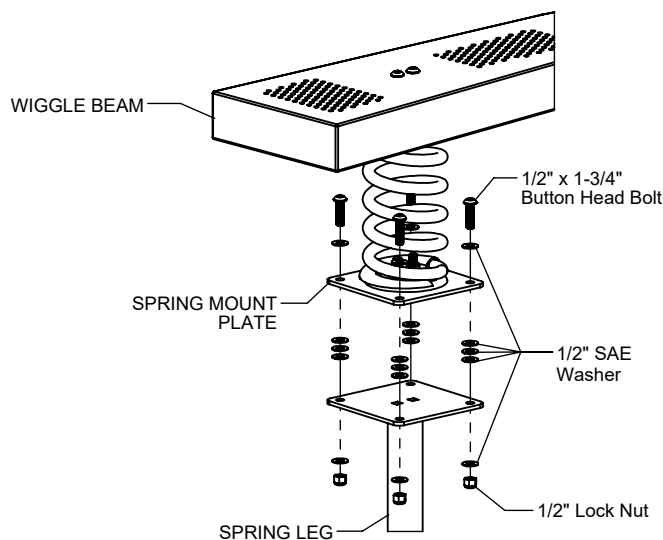
## Step 4

### For Spring Mount Only

Attach Spring Leg to Spring Mount Plate as shown in Figure 4. (See Note A)



**FIGURE 5**



**FIGURE 4**

## Step 5

### For Fixed Mount Only

Attach Fixed Mount Leg to Wiggle Beam as shown in Figure 5. (See Note A)

## Step 6

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

## Step 7

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 8

Place required protective surfacing under and around Wiggle Beam. (See Note C)

## Parts List

A2-2436-S		
Part #	DESCRIPTION	QTY.
FS-PC1399-C	Spring Inground Leg	3
9105082	Bolt Button Head 1/2" x 1-3/4"	12
9345002	Washer Flat SAE 1/2"	60
9415132	Nut Lock 1/2"	12

A2-2436-F		
Part #	DESCRIPTION	QTY.
CE-4876	Wiggle Beam	1
FS-PC2437-F	Fixed Mount Leg	3
9105052	Bolt Button Head 1/2" x 1"	6

## Assembled Parts List

A2-2436-S		
Part #	DESCRIPTION	QTY.
AE-4533	Single Spring Bottom Mount Plate	3
BE-4514	Event Spring Retainer	6
CE-4876	Wiggle Beam	1
HE-4498	Playground Event Spring	3
9105100	Bolt Button Head 1/2" x 2-1/4"	6
9115092	Bolt Carriage 1/2" x 2"	6
9335002	Washer Flat 1/2" (.116" thick)	12
9415132	Nut Lock 1/2"	12

## Specifications

### WIGGLE BEAM:

Shall be fabricated using punched, formed and welded 12 gauge sheet steel with reinforcing cross members and gussets and shall be Play-Tuff™ coated after fabrication.

### 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.

### SPRING MOUNT PUCK:

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

### SPRING MOUNT PLATE:

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

### SPRING INGROUND LEG:

Shall be fabricated using 2.375" O.D. 10 gauge steel tubing with welded 1/4" thick steel mounting plate and will have a multi-stage baked-on powder coat finish.

### FIXED MOUNT LEG:

Shall be fabricated using 2.375" O.D. 10 gauge steel tubing with welded 1/2" thick steel mounting plate and will have 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.

## 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.

