

### 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).

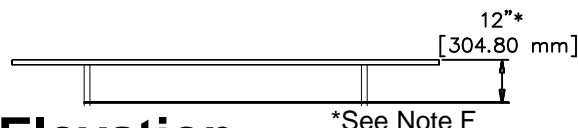
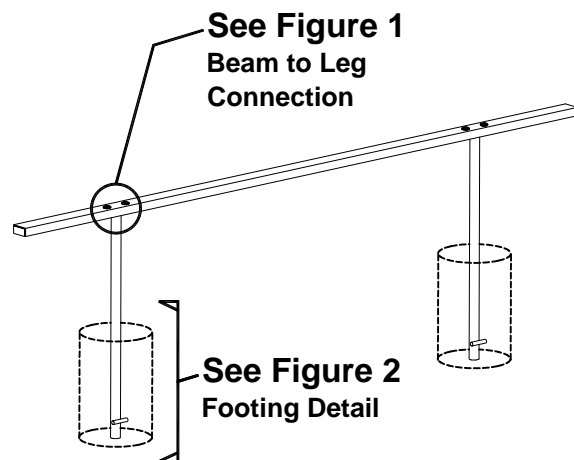
(C) **Sign Option:** If a Sign is included See Assembly Page PC 2509-STA Station Sign.

(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](http://www.CPSC.gov) for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.

(E) Optional Station Sign is to be located outside use zone per manufacturer's recommendation. The Balance Beam has a recommended use zone that should extend a minimum of 6 feet in all directions from the perimeter of the equipment. The use zones of two stationary pieces of playground equipment that are positioned adjacent to one another may overlap if the adjacent designated play surfaces of each structure are no more than 30 inches above the protective surface. See free publication - The Handbook for Public Playground Safety, Publication #325 at [www.CPSC.gov](http://www.CPSC.gov) for more information on overlapping use zones.

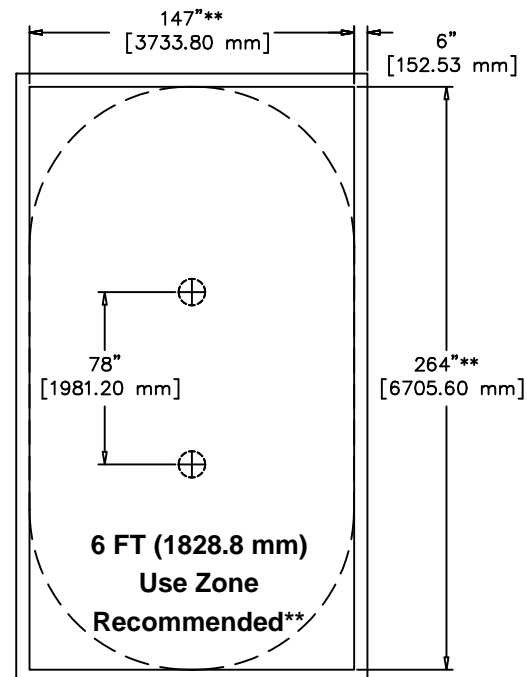
(F) According to safety guidelines, the top surface of the balance beam shall be no greater than the following heights above the protective surfacing:  
**Ages 2-5:** 12 inches maximum  
**Ages 5-12:** 16 inches maximum

### Assembly View



### Elevation

Side View



\*\*See Note E

### Footing Layout

Bottom View



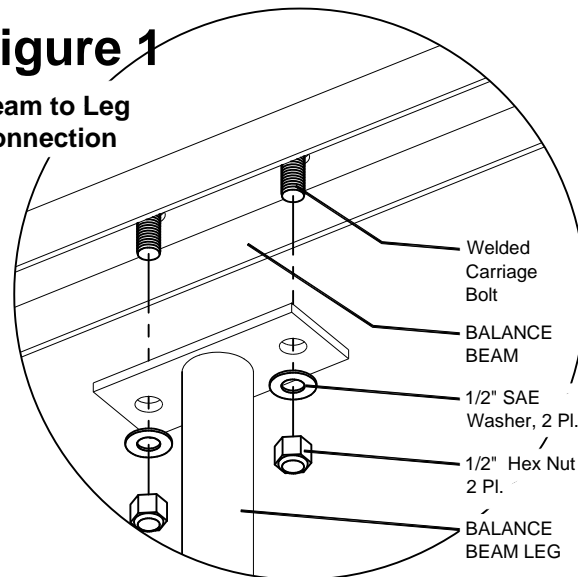
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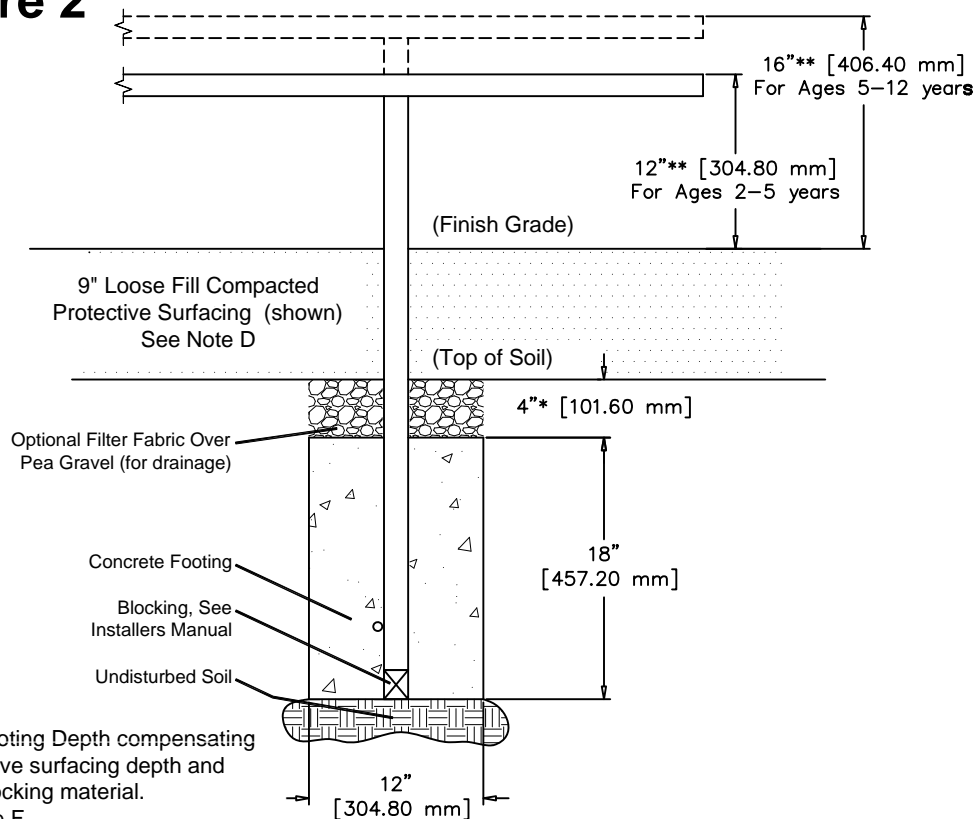
### Figure 1

Beam to Leg  
Connection



### Figure 2

Footing  
Detail



# BALANCE BEAM STRAIGHT

PC 2420

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## Parts List

<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
FS-PC2400-LEG	Balance Beam Leg	2
FS-PC2420	Balance Beam Straight	1
9345002	Washer Flat SAE 1/2"	4
9415132	Nut Lock 1/2"	4

## Installation

### Step 1.

Attach the Balance Beam Legs to the Balance Beam. Apply liquid thread lock and fully tighten all fasteners according to the "TIGHTENING TORQUE FOR HARDWARE" Section of the Installer's Manual. See Note A. Refer to Figure 1 for hardware type and orientation.

### Step 2.

Refer to Footing Layout and mark footing hole locations. Dig (2) 12"Ø footing holes. Refer to Figure 2 for depth and details. **IMPORTANT:** For areas with soft soil conditions, larger footings may be required.

### Step 3.

Set the Balance Beam Legs into footing holes. Plumb and level entire component. Block and brace prior to pouring concrete into holes. Refer to Figure 2 for details. Allow 72 hours to cure before using this equipment. See Note B.

### Step 4.

Place appropriate compliant protective surfacing under and around Balance Beam. See Note D.

## Specifications

### BALANCE BEAM:

Shall be fabricated from 3" structural channel with carriage bolts surface welded in (4) places. The Balance Beam Top Rail shall be PVC (Poly-Vinyl-Chloride) coated after fabrication.

### BALANCE BEAM LEGS:

Shall be fabricated from 1.660" O.D., 11 ga. steel tubing with 3/16" steel mounting flanges. The Legs 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.



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