

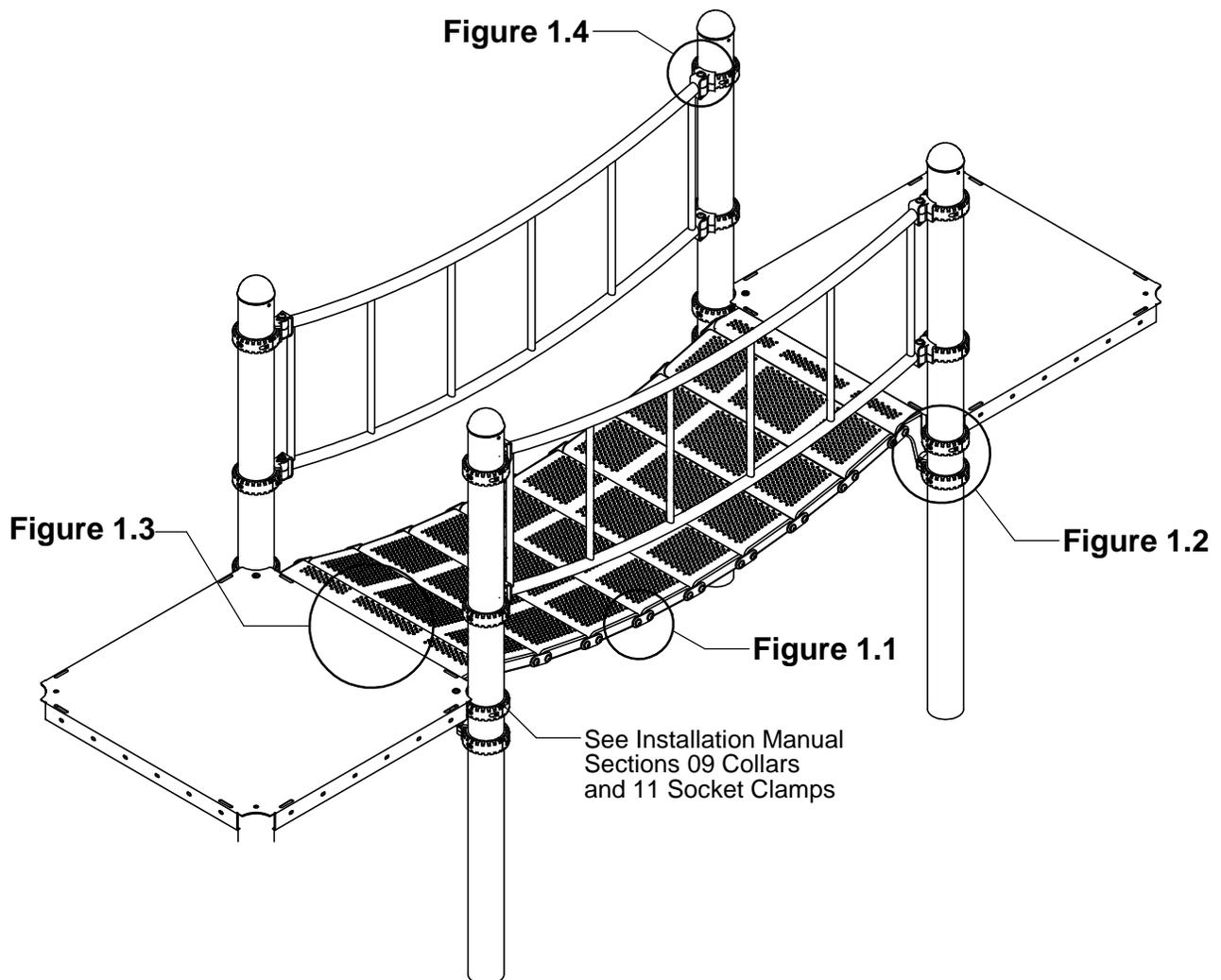
**IMPORTANT NOTES: Read First**

(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) Refer to Installation Manual for 09 Collars and 11 Socket Clamps installation instructions.

(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  
Suspension Bridge**



**NOTE:** R5 Suspension Bridge with Guardrails shown. Other configurations will vary slightly, but does not effect assembly.

# Step 1

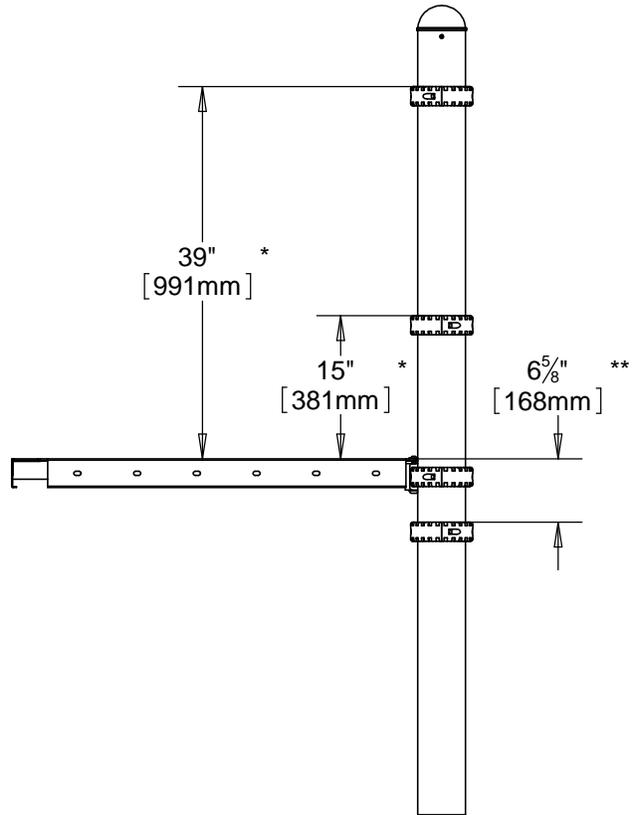
Locate and attach collars at heights shown in Elevation View. (See Note B)

\* Height shown from top of deck to top of collar.

\*\* Height shown from top of deck to top of collar.

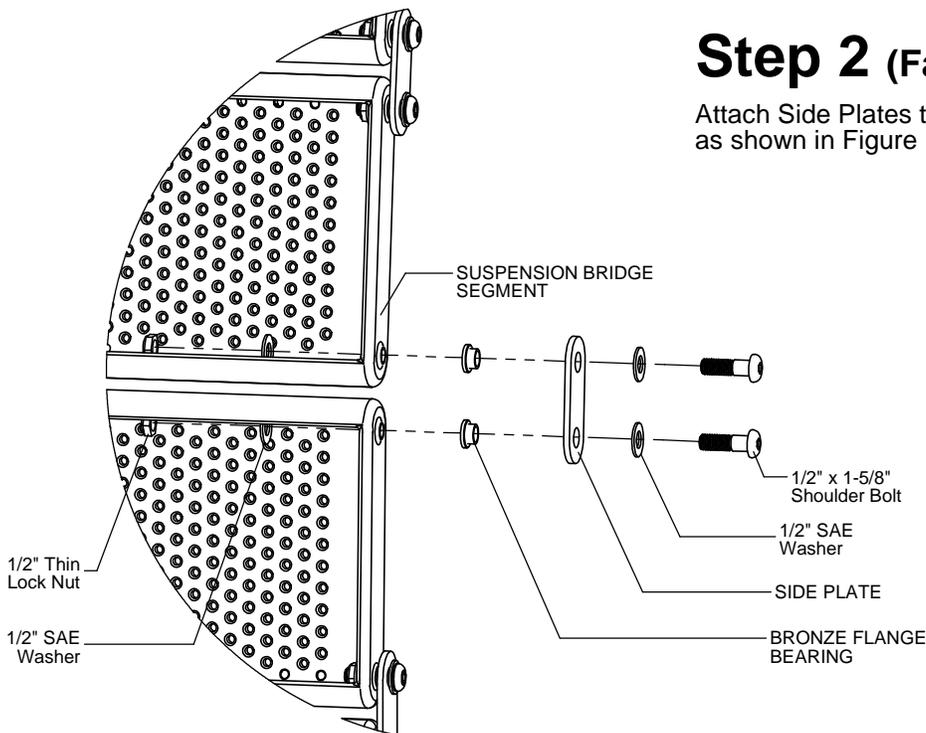
**IMPORTANT:** Additional collars required at 15" [381mm] above deck for guardrail installation only.

**Elevation View**



# Step 2 (Factory Assembled)

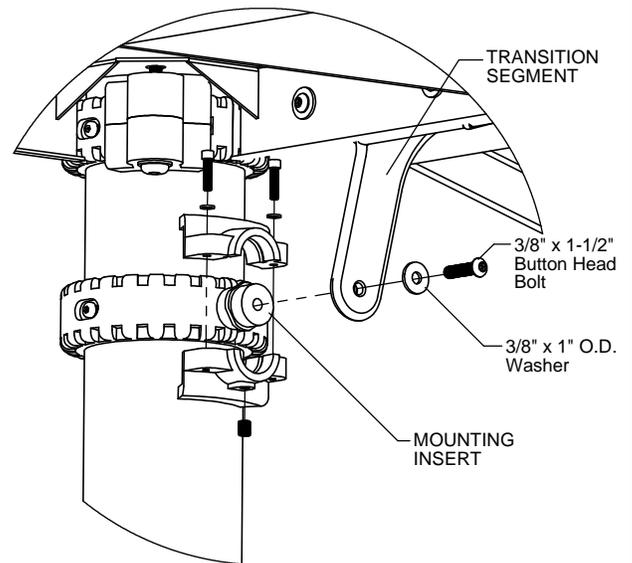
Attach Side Plates to Suspension Bridge Segments as shown in Figure 1.1. (See Note A)



**Figure 1.1**

### Step 3

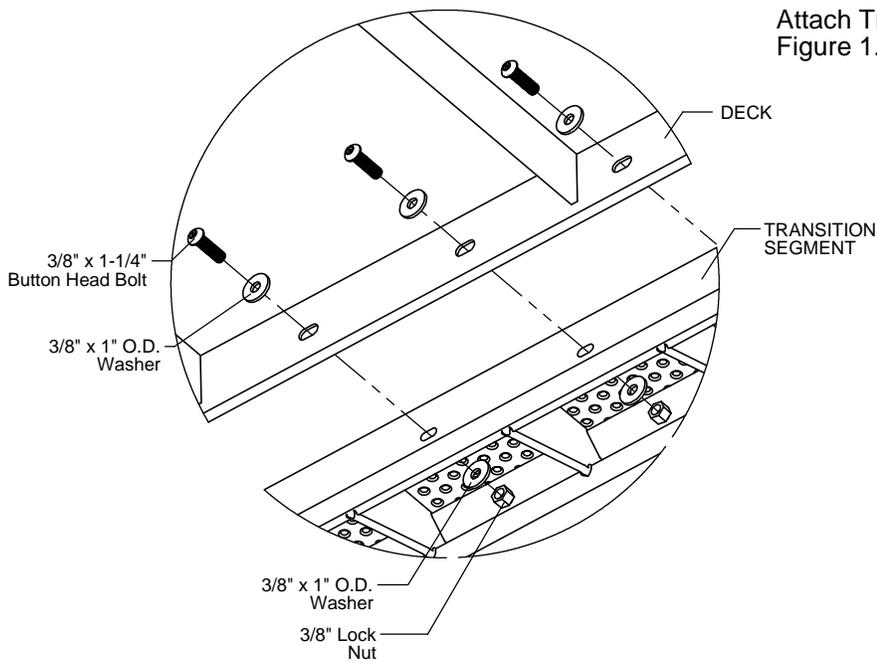
Attach Transition Segments to Mounting Inserts as shown in Figure 1.2. (See Notes A & B)



**Figure 1.2**

### Step 4

Attach Transition Segments to decks as shown in Figure 1.3. (See Note A)



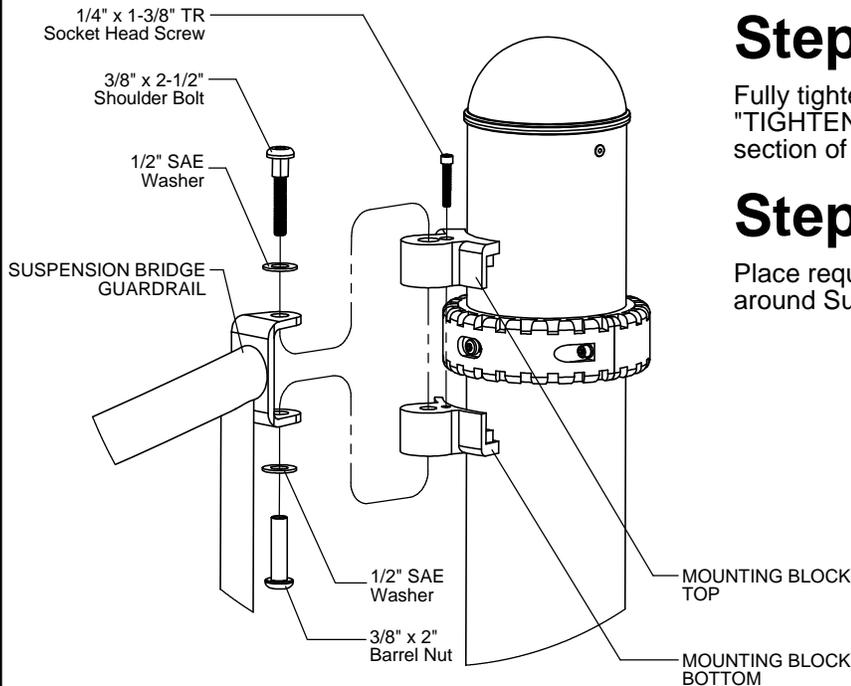
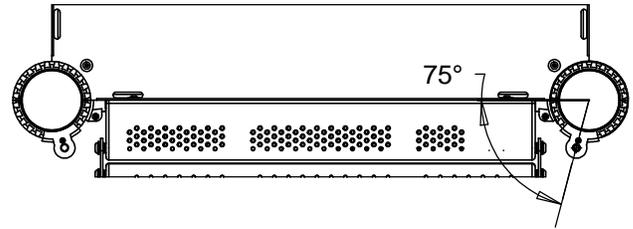
**Figure 1.3**

## Step 5

Orient Mounting Blocks to Collars as shown in Top View and attach Suspension Bridge Gaurdrails or Walls to Mounting Blocks as shown in Figure 1.4. (See Note A)

**IMPORTANT:** When positioned correctly, 3 key slots on the collar will be exposed between the Front Deck Face and side of Mounting Block.

### Top View



**Figure 1.4**

## Step 6

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

## Step 7

Place required protective surfacing under and around Suspension Bridge. (See Note C)

# SUSPENSION BRIDGE INSTALLATION INSTRUCTIONS

**1506**  
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## Parts List

<b>S-1506-R35RL</b>		
Part #	DESCRIPTION	QTY.
FS-1506-R35RL	Suspension Bridge Gaurdrail R3.5	2
GE-7015	Mounting Insert	4
GG-8110	Mounting Block 4 Top R3.5	8
GG-8111	Mounting Block 4 Bottom R3.5	8
HS-1001-R35	Socket Clamp Set R3.5	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9281062-5-TR	Screw Soc HD CS 1/4" x 1-3/8" TR	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	28
9345002	Washer Flat SAE 1/2"	16
9413002	Nut Lock 3/8"	12
9443092-TR	Nut Barrel 3/8" x 2" BH	8

<b>S-1506-R5RL</b>		
Part #	DESCRIPTION	QTY.
FS-1506-R5RL	Suspension Bridge Guardrail R5	2
GE-7015	Mounting Insert	4
GF-7006-B	Mounting Block R5 Bottom	8
GF-7006-T	Mounting Block R5 Top	8
HS-1001-R5	Socket Clamp Set R5	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9281062-5-TR	Screw Soc HD CS 1/4" x 1-3/8" TR	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	28
9345002	Washer Flat SAE 1/2"	16
9413002	Nut Lock 3/8"	12
9443092-TR	Nut Barrel 3/8" x 2" BH	8

<b>S-1506-R35WL</b>		
Part #	DESCRIPTION	QTY.
FS-1506-R35WL	Suspension Bridge Wall R3.5	2
GE-7015	Mounting Insert	4
GG-8110	Mounting Block 4 Top R3.5	8
GG-8111	Mounting Block 4 Bottom R3.5	8
HS-1001-R35	Socket Clamp Set R3.5	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9281062-5-TR	Screw Soc HD CS 1/4" x 1-3/8" TR	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	28
9345002	Washer Flat SAE 1/2"	16
9413002	Nut Lock 3/8"	12
9443092-TR	Nut Barrel 3/8" x 2" BH	8

<b>S-1506-R5WL</b>		
Part #	DESCRIPTION	QTY.
FS-1506-R5WL	Suspension Bridge Wall R5	2
GE-7015	Mounting Insert	4
GF-7006-B	Mounting Block R5 Bottom	8
GF-7006-T	Mounting Block R5 Top	8
HS-1001-R5	Socket Clamp Set R5	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9281062-5-TR	Screw Soc HD CS 1/4" x 1-3/8" TR	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	28
9345002	Washer Flat SAE 1/2"	16
9413002	Nut Lock 3/8"	12
9443092-TR	Nut Barrel 3/8" x 2" BH	8

## Assembled Parts List

<b>S-1506-R35</b>		
Part #	DESCRIPTION	QTY.
AE-8119	Suspension Bridge Side Plate	18
CG-8117	Bridge Transition Segment R3.5	2
CG-8118	Bridge Segment R3.5	8
563000	Bearing Flanged Bronze 1/2" x 5/8"	36
9145072-5-TR	1/2" x 1-5/8" Shoulder Bolt	36
9345002	Washer Flat SAE 1/2"	72
9425002	Nut Lock 1/2" Thin	36

<b>S-1506-R5</b>		
Part #	DESCRIPTION	QTY.
AE-8119	Suspension Bridge Side Plate	18
CE-7086	Bridge Transition Segment R5	2
CF-7087	Suspension Bridge Segment R5	8
563000	Bearing Flanged Bronze 1/2" x 5/8"	36
9145072-5-TR	1/2" x 1-5/8" Shoulder Bolt	36
9345002	Washer Flat SAE 1/2"	72
9425002	Nut Lock 1/2" Thin	36



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**Rev H**  
1/30/2013

## Specifications

### **SUSPENSION BRIDGE GUARDRAIL:**

Shall be fabricated using 1.660" O.D. 11 gauge steel tubing with welded 1.029" O.D. 14 gauge steel rungs and 1/4" thick steel clevises. The Suspension Bridge Guardrail shall have multi-stage baked-on powder coat finish.

### **SUSPENSION BRIDGE WALL:**

Shall be fabricated using 1.660" O.D. 11 gauge steel tubing with welded 1.029" O.D. 14 gauge steel rungs and 1/4" thick steel plate clevises. The Suspension Bridge Wall shall have a multi-stage baked-on powder coat finish.

### **SUSPENSION BRIDGE TRANSITION SEGMENT:**

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

### **SUSPENSION BRIDGE SEGMENT:**

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

### **SUSPENSION BRIDGE SIDE PLATE:**

Shall be precision laser cut from 3/16" thick steel plate. The Suspension Bridge Side Plate shall have a multi-stage baked-on powder coat finish.

### **MOUNTING BLOCKS:**

Shall be two-part and precision die-cast from a high strength aluminum alloy. The Mounting Blocks have a multi-stage baked-on powder coat finish.

### **MOUNTING INSERTS:**

Shall be precision die-cast from a high-strength aluminum alloy.

### **SOCKET CLAMPS:**

Shall be two-part and precision die-cast from a high strength aluminum alloy. The Socket Clamps 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.

