

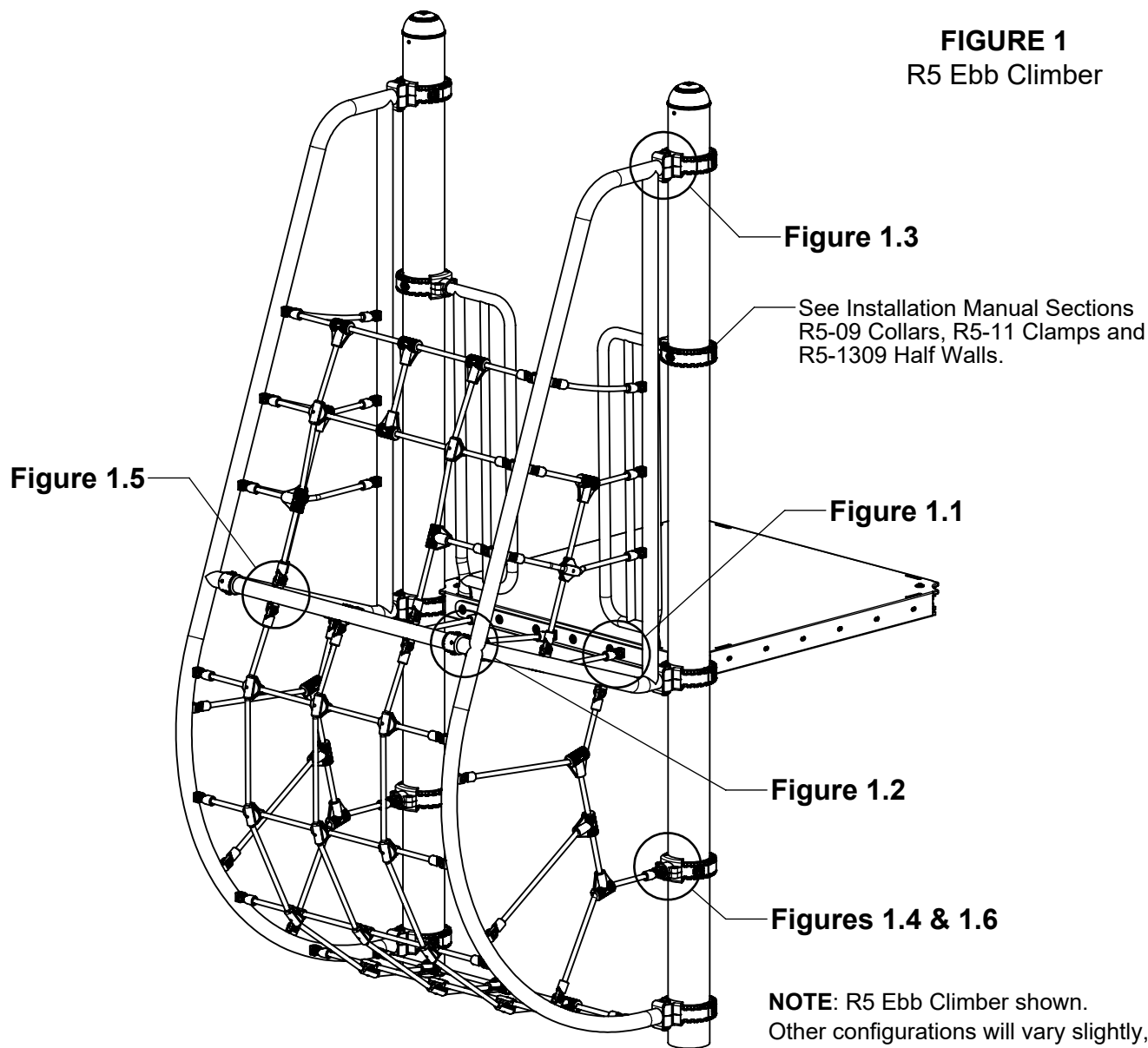
## IMPORTANT NOTES: Read First

(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, 11 Socket Clamps, and 1309 Half Wall 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**  
**R5 Ebb Climber**



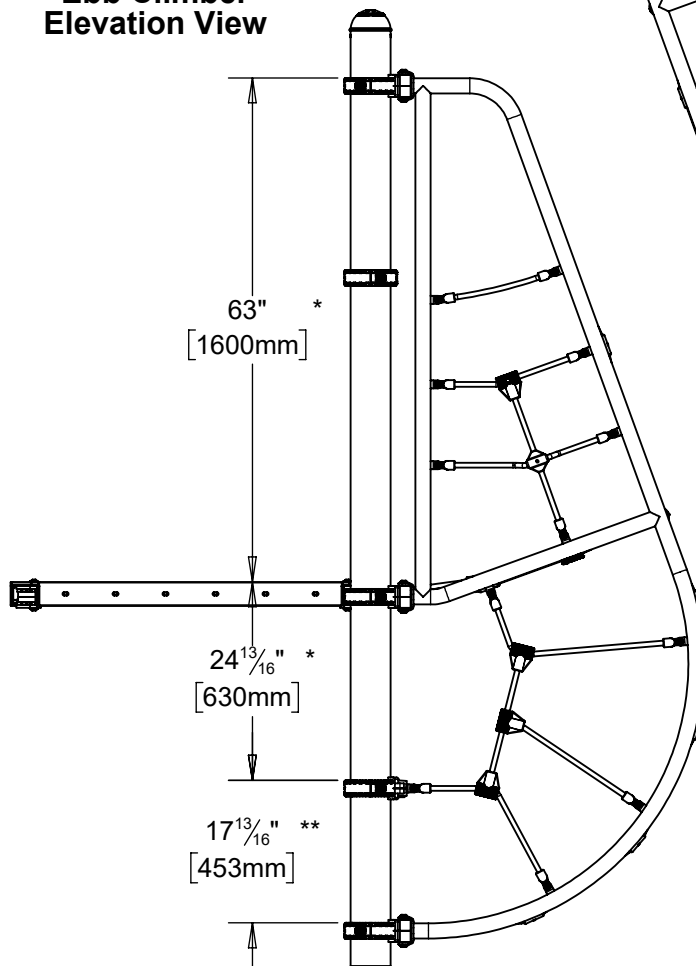
**NOTE:** R5 Ebb Climber shown.  
Other configurations will vary slightly,  
but does not affect assembly.

## Step 1a For R5 Version Only

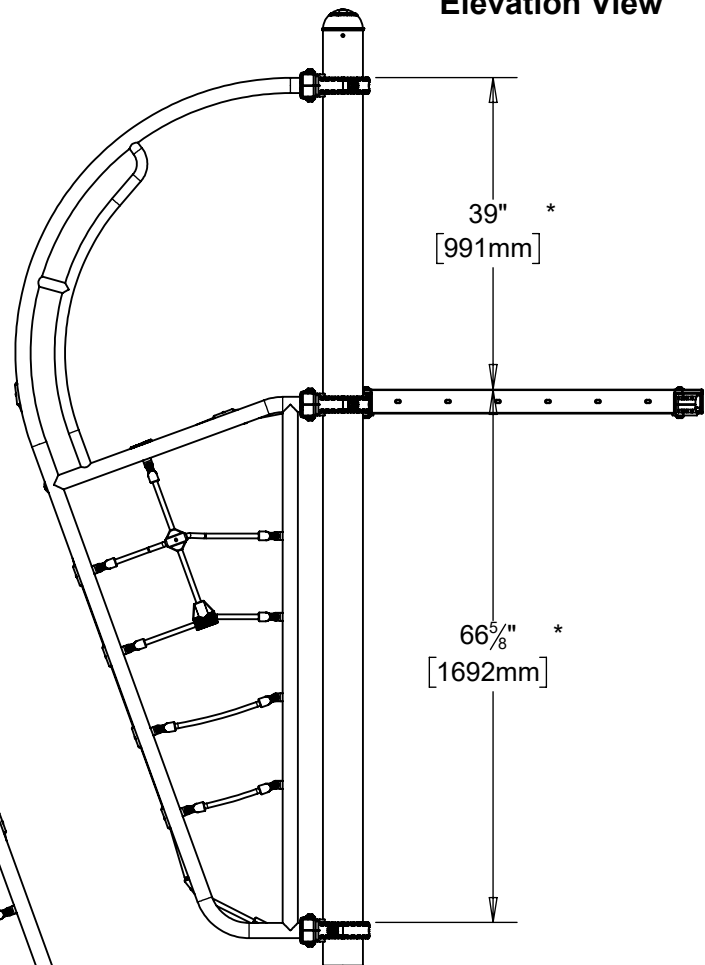
Locate and attach collars at heights shown in Elevation View. (See Note B)

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

**Ebb Climber  
Elevation View**



**Flow Climber  
Elevation View**

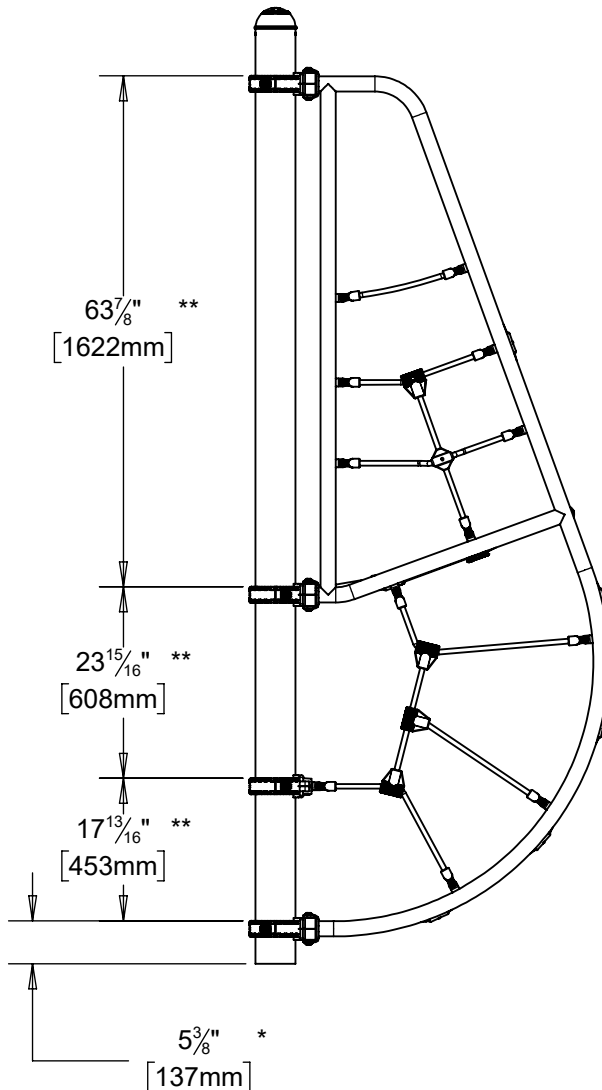


## Step 1b For R5 No Deck Version Only

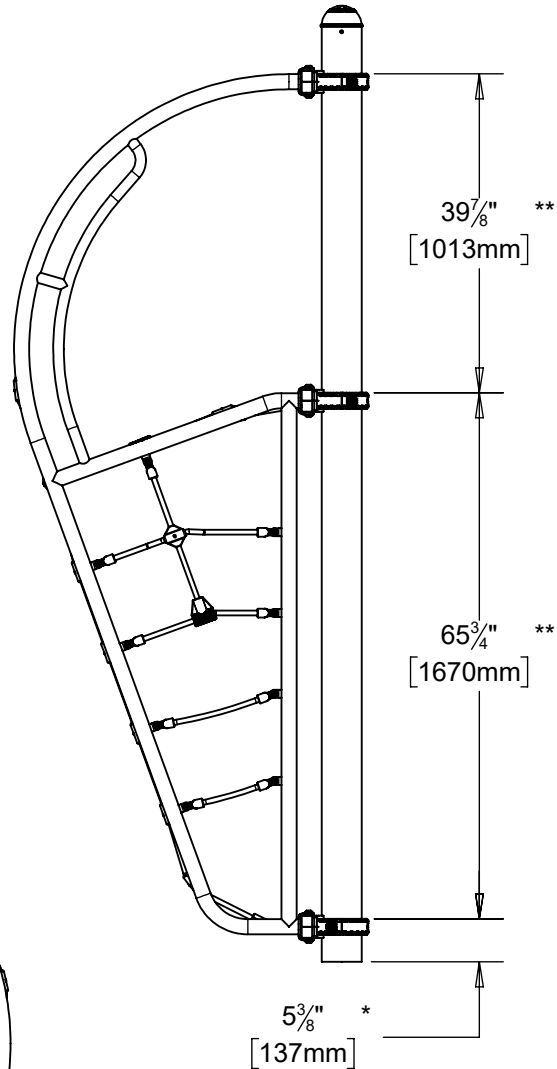
Locate and attach collars at heights shown in Elevation View. (See Note B)

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

**Ebb Climber - No Deck  
Elevation View**



**Flow Climber - No Deck  
Elevation View**



### Step 1c

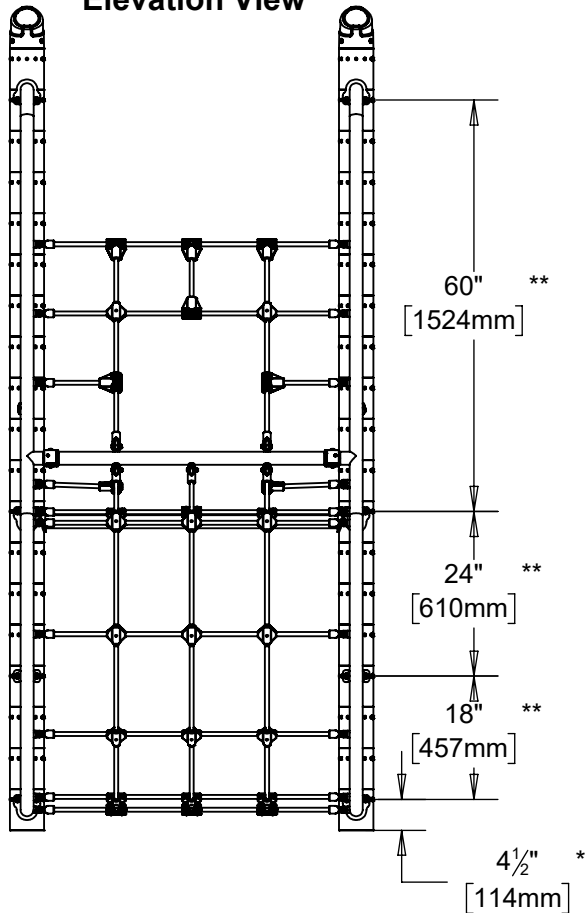
#### For Revolution Version Only

Refer to the Elevation Views for mounting locations for the Revolution Brackets on the Ebb & Flow Climber.

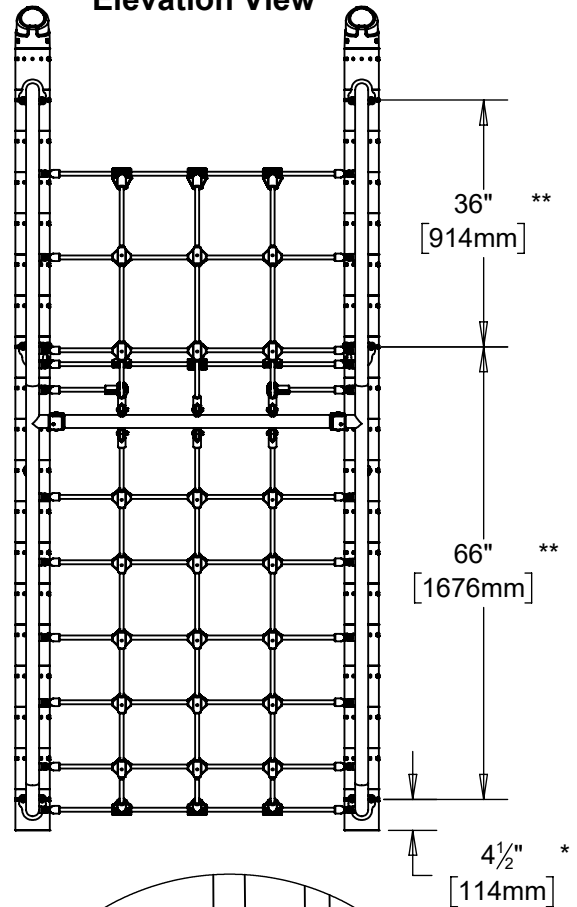
\* Height shown from finish grade to mounting hole.

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

**Ebb Climber  
Elevation View**



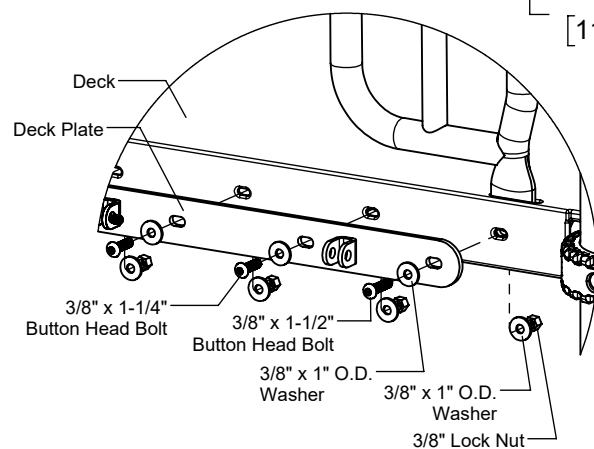
**Flow Climber  
Elevation View**



### Step 2

#### For Deck Mount Version Only

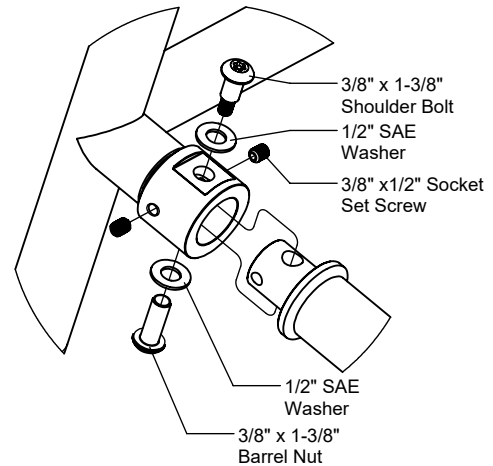
Attach Deck Plate to Deck as shown in Figure 1.1.  
(See Note A)



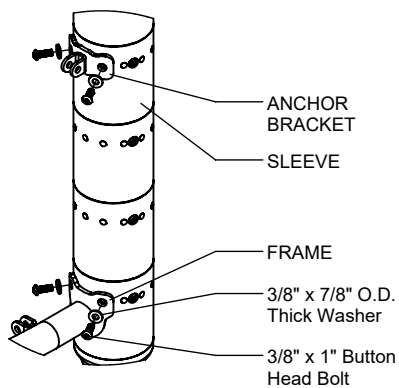
**Figure 1.1**

## Step 3

Attach the Horizontal Strut to the Frame Structure as shown in Figure 1.2. (See Note A)



**Figure 1.2**



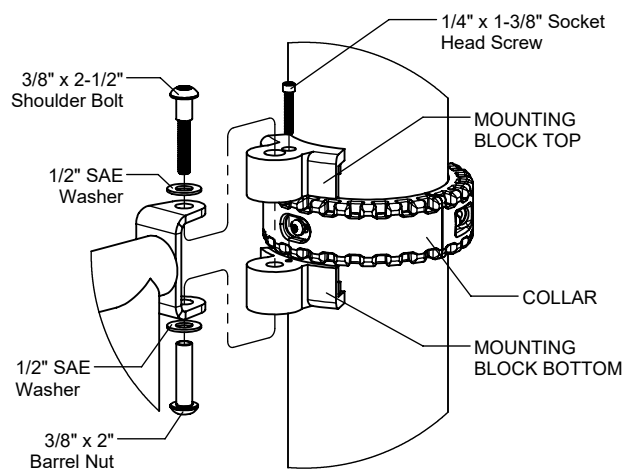
**FIGURE 2**

## Step 4 For Revolution Version Only

Attach Anchor Brackets and the Frame to the Revolution Sleeves as shown in Figure 2. (See Note A)

## Step 5 For R5 Version Only

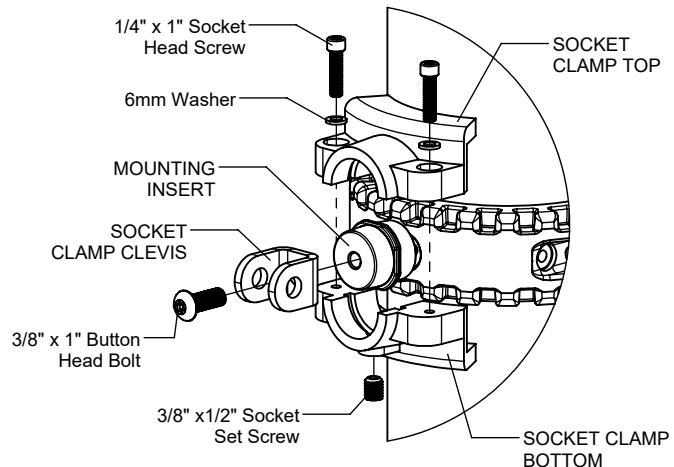
Attach the Frame Structure to each corresponding Collar as shown in Figure 1.3. (See Note A)



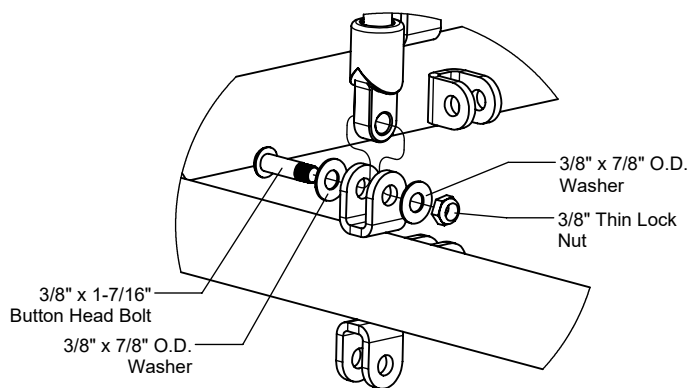
**Figure 1.3**

## Step 6 For R5 Version Only

Attach each Socket Clamp Clevis to Collar as shown in Figure 1.4. (See Note A)



**Figure 1.4**



**Figure 1.5**

## Step 7

Attach each Ferrule to the corresponding Clevis as shown in Figure 1.5. (See Note A)

## Step 8 For R5 Version Only

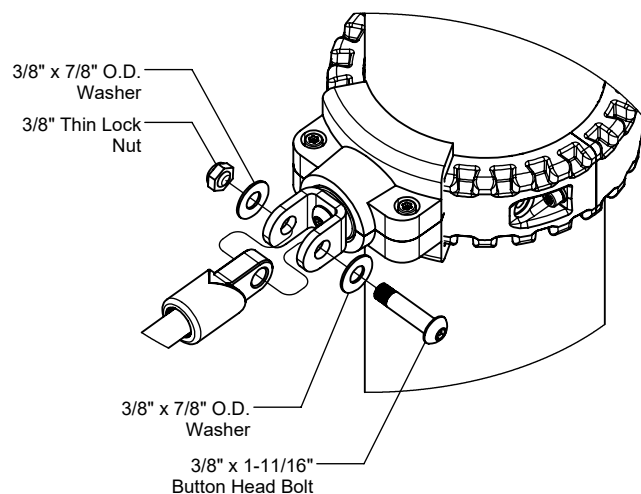
Attach each Ferrule to the corresponding Collar as shown in Figure 1.6. (See Note A)

## Step 9

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

## Step 10

Place required protective surfacing under and around Ebb & Flow Climbers. (See Note C)



**Figure 1.6**

# EBB & FLOW CLIMBER INSTALLATION INSTRUCTIONS

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## Parts List

EBB CLIMBER R5		
Part #	DESCRIPTION	QTY
BE-1105	Socket Clamp Rope Clevis	2
FS-1261-D	Ebb and Flow Deck Plate	1
FS-1261-R5E	Ebb Net Climber Frame R5	2
FS-1261-SE	Ebb Horizontal Strut R5 - Middle	1
GE-7015	Mounting Insert	2
GF-7006-B	Mounting Block R5 Bottom	6
GF-7006-T	Mounting Block R5 Top	6
HF-0019-P	Ebb and Flow - Platform Net	1
HF-0019-SR	Ebb and Flow - Side Rung Net	2
HF-0019-SR2	Ebb and Flow - Side Rung Net #2	2
HF-0020-BF	Ebb - Bottom Front Net	1
HF-0020-S	Ebb - Side Net	2
HF-0020-TF	Ebb - Top Front Net	1
HS-1001-R5	Socket Clamp Set R5	2
9103052-TR	Bolt Button Head 3/8" x 1"	2
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	4
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	52
9103210-TR	Bolt Button Head 3/8" x 1-11/16"	2
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	2
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	6
9263012-TR	3/8" x 1/2" Socket Set Screw	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	6
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9333042	Washer Flat 3/8" x 7/8" O.D.	108
9345002	Washer Flat SAE 1/2"	16
9413002	Nut Lock 3/8"	6
9423002	Nut Lock Thin 3/8"	54
9443062-TR	Nut Barrel 3/8" x 1-3/8" BH	2
9443092-TR	Nut Barrel 3/8" x 2" BH	6

FLOW CLIMBER R5		
Part #	DESCRIPTION	QTY
FS-1261-D	Ebb and Flow Deck Plate	1
FS-1261-R5F	Flow Net Climber Frame R5	2
FS-1261-SF	Flow Horizontal Strut R5 - Middle	1
GF-7006-B	Mounting Block R5 Bottom	6
GF-7006-T	Mounting Block R5 Top	6
HF-0019-BF	Flow - Bottom Front Net	1
HF-0019-P	Ebb and Flow - Platform Net	1
HF-0019-SR	Ebb and Flow - Side Rung Net	2
HF-0019-SR2	Ebb and Flow - Side Rung Net #2	2
HF-0019-SR3	Ebb and Flow - Side Rung Net #3	2
HF-0019-TF	Flow - Top Front Net	1
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	4
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	49
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	2
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	6
9263012-TR	3/8" x 1/2" Socket Set Screw	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	6
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9333042	Washer Flat 3/8" x 7/8" O.D.	98
9345002	Washer Flat SAE 1/2"	16
9413002	Nut Lock 3/8"	6
9423002	Nut Lock Thin 3/8"	49
9443062-TR	Nut Barrel 3/8" x 1-3/8" BH	2
9443092-TR	Nut Barrel 3/8" x 2" BH	6



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**Rev D**  
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# EBB & FLOW CLIMBER INSTALLATION INSTRUCTIONS

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## Parts List

EBB CLIMBER R5 - NO DECK		
Part #	DESCRIPTION	QTY
BE-1105	Socket Clamp Rope Clevis	2
FS-1261-R5E	Ebb Net Climber Frame R5	2
FS-1261-SE	Ebb Horizontal Strut R5 - Middle	1
FS-1261-R5PR	Ebb and Flow - Hex Tower Platform Rail	1
GE-7015	Mounting Insert	2
GF-7006-B	Mounting Block R5 Bottom	8
GF-7006-T	Mounting Block R5 Top	8
HF-0019-P-ND	Ebb & Flow - Platform Net - No Deck	1
HF-0019-SR	Ebb and Flow - Side Rung Net	2
HF-0019-SR2	Ebb and Flow - Side Rung Net #2	2
HF-0020-BF	Ebb - Bottom Front Net	1
HF-0020-S	Ebb - Side Net	2
HF-0020-TF	Ebb - Top Front Net	1
HS-1001-R5	Socket Clamp Set R5	2
9103052-TR	Bolt Button Head 3/8" x 1"	2
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	52
9103210-TR	Bolt Button Head 3/8" x 1-11/16"	2
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	2
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9263012-TR	3/8" x 1/2" Socket Set Screw	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	8
9333042	Washer Flat 3/8" x 7/8" O.D.	108
9345002	Washer Flat SAE 1/2"	20
9423002	Nut Lock Thin 3/8"	54
9443062-TR	Nut Barrel 3/8" x 1-3/8" BH	2
9443092-TR	Nut Barrel 3/8" x 2" BH	8

FLOW CLIMBER R5 - NO DECK		
Part #	DESCRIPTION	QTY
FS-1261-R5F	Flow Net Climber Frame R5	2
FS-1261-SF	Flow Horizontal Strut R5 - Middle	1
FS-1261-R5PR	Ebb and Flow - Hex Tower Platform Rail	1
GF-7006-B	Mounting Block R5 Bottom	8
GF-7006-T	Mounting Block R5 Top	8
HF-0019-BF	Flow - Bottom Front Net	1
HF-0019-P-ND	Ebb & Flow - Platform Net - No Deck	1
HF-0019-SR	Ebb and Flow - Side Rung Net	2
HF-0019-SR2	Ebb and Flow - Side Rung Net #2	2
HF-0019-SR3	Ebb and Flow - Side Rung Net #3	2
HF-0019-TF	Flow - Top Front Net	1
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	49
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	2
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9263012-TR	3/8" x 1/2" Socket Set Screw	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	8
9333042	Washer Flat 3/8" x 7/8" O.D.	98
9345002	Washer Flat SAE 1/2"	20
9423002	Nut Lock Thin 3/8"	49
9443062-TR	Nut Barrel 3/8" x 1-3/8" BH	2
9443092-TR	Nut Barrel 3/8" x 2" BH	8



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## Parts List

EBB CLIMBER RV		
Part #	DESCRIPTION	QTY
FS-1261-PR	Ebb and Flow - Platform Rail RV	1
FS-1261-RVE	Ebb Net Climber Frame RV	2
FS-1261-RVHE	Ebb Horizontal Strut RV	1
FS-1510-RV-A	Post Anchor Bracket RV	2
HH-0043-BF	Ebb Bottom Front Net RV	1
HH-0043-P	Ebb Platform RV	1
HH-0043-S	Ebb Side Net RV	2
HH-0043-SR2	Ebb Side Rope 2 RV	2
HH-0043-SR	Ebb and Flow RV - Side Rung Net	2
HH-0043-TF	Ebb Top Front Net RV	1
9103052-TR	Bolt Button Head 3/8" x 1"	20
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	54
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	2
9263012-TR	3/8" x 1/2" Socket Set Screw	4
9333042	Washer Flat 3/8" x 7/8" O.D.	108
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	20
9345002	Washer Flat SAE 1/2"	4
9423002	Nut Lock Thin 3/8"	54
9443062-TR	Nut Barrel 3/8" x 1-3/8" BH	2

FLOW CLIMBER RV		
Part #	DESCRIPTION	QTY
FS-1261-PR	Ebb and Flow - Platform Rail RV	1
FS-1261-RVF	Flow Net Climber Frame RV	2
FS-1261-RVHF	Flow Horizontal Strut RV - Middle	1
HH-0042-BF	Flow Bottom Front Net RV	1
HH-0042-P	Flow Platform RV	1
HH-0042-SR1	Flow Side Rope 1 RV	2
HH-0042-SR2	Flow Side Rope 2 RV	2
HH-0042-SR	Flow Side Rung Net RV	2
HH-0042-TF	Flow Top Front Net RV	1
9103052-TR	Bolt Button Head 3/8" x 1"	16
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	51
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	2
9263012-TR	3/8" x 1/2" Socket Set Screw	4
9333042	Washer Flat 3/8" x 7/8" O.D.	102
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	16
9345002	Washer Flat SAE 1/2"	4
9423002	Nut Lock Thin 3/8"	51
9443062-TR	Nut Barrel 3/8" x 1-3/8" BH	2

## Specifications

### EBB & FLOW STRUCTURE:

Shall be fabricated using 1.900" O.D. 11 gauge steel tubing with welded 1/4" and 3/16" thick steel clevises and 1.900" steel mount plugs and will have a multi-stage baked-on powder coat finish.

### EBB & FLOW ANCHOR BRACKETS:

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

### EBB & FLOW HORIZONTAL STRUT:

Shall be fabricated using 1.900" O.D. 11 gauge steel tubing with welded 3/16" thick steel clevises and 1.900" steel mount plug pins and will have a multi-stage baked-on powder coat finish.

### EBB & FLOW DECK PLATE:

Shall be fabricated using 1/4" thick steel plating with welded 3/16" thick steel clevises and will have a multi-stage baked-on powder coat finish.

### EBB & FLOW NET:

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

### MOUNTING BLOCKS & SOCKET CLAMPS:

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

### MOUNTING INSERTS:

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

### 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.