

**IMPORTANT NOTES: Read First**

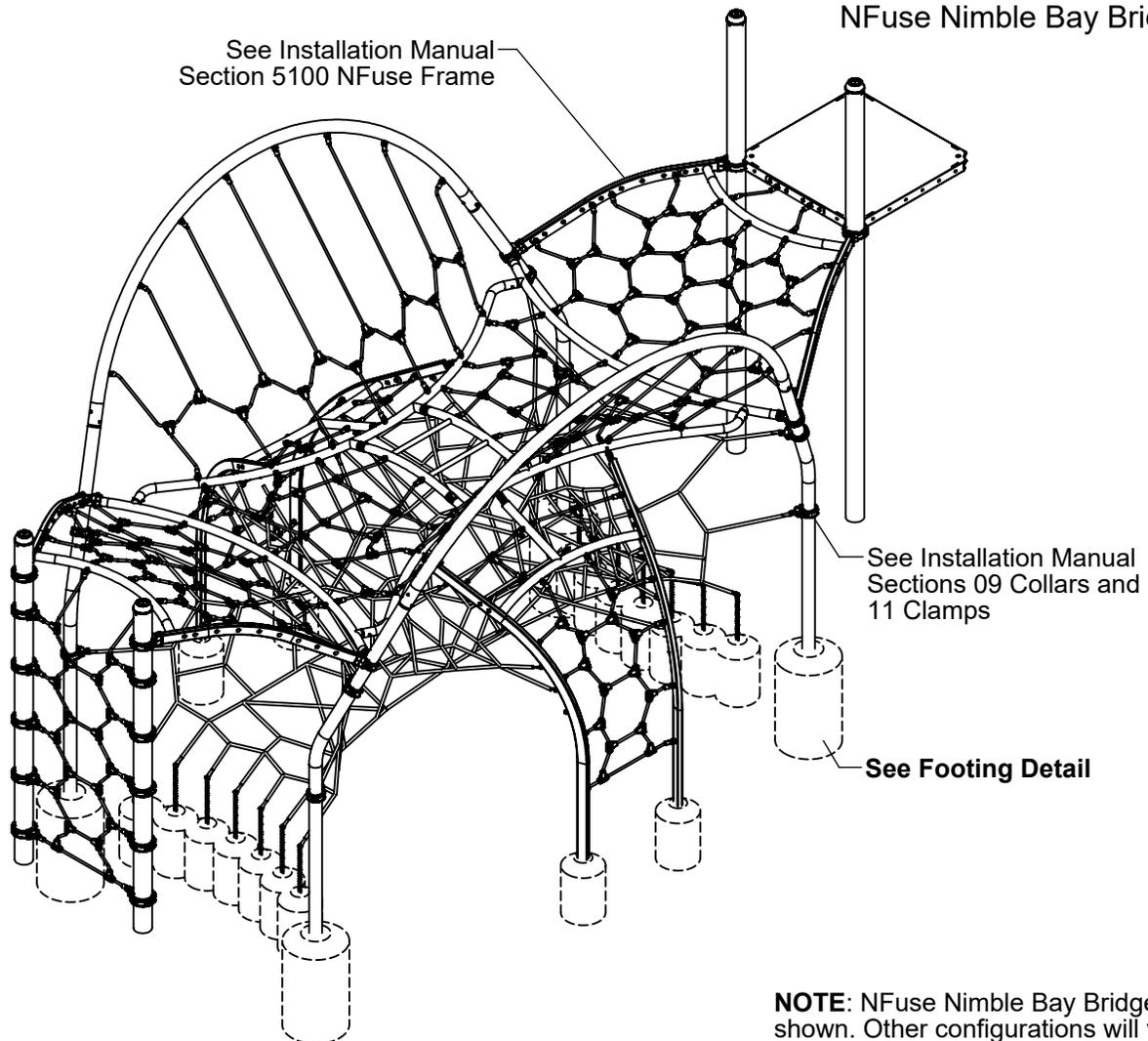
(A) Use liquid thread lock (such as Loctite®) with all threaded hardware. **Important:** Liquid thread lock (prior to curing) helps to eliminate the common problem of "thread seizure" in stainless steel hardware by serving as a lubricant during assembly.

(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) Refer to Installation Manual for 09 Collars, 11 Socket Clamps, and 5100 NFuse Frame installation instructions.

(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  
NFuse Nimble Bay Bridge**



**NOTE:** NFuse Nimble Bay Bridge shown. Other configurations will vary slightly, but does not affect assembly.

# Step 1

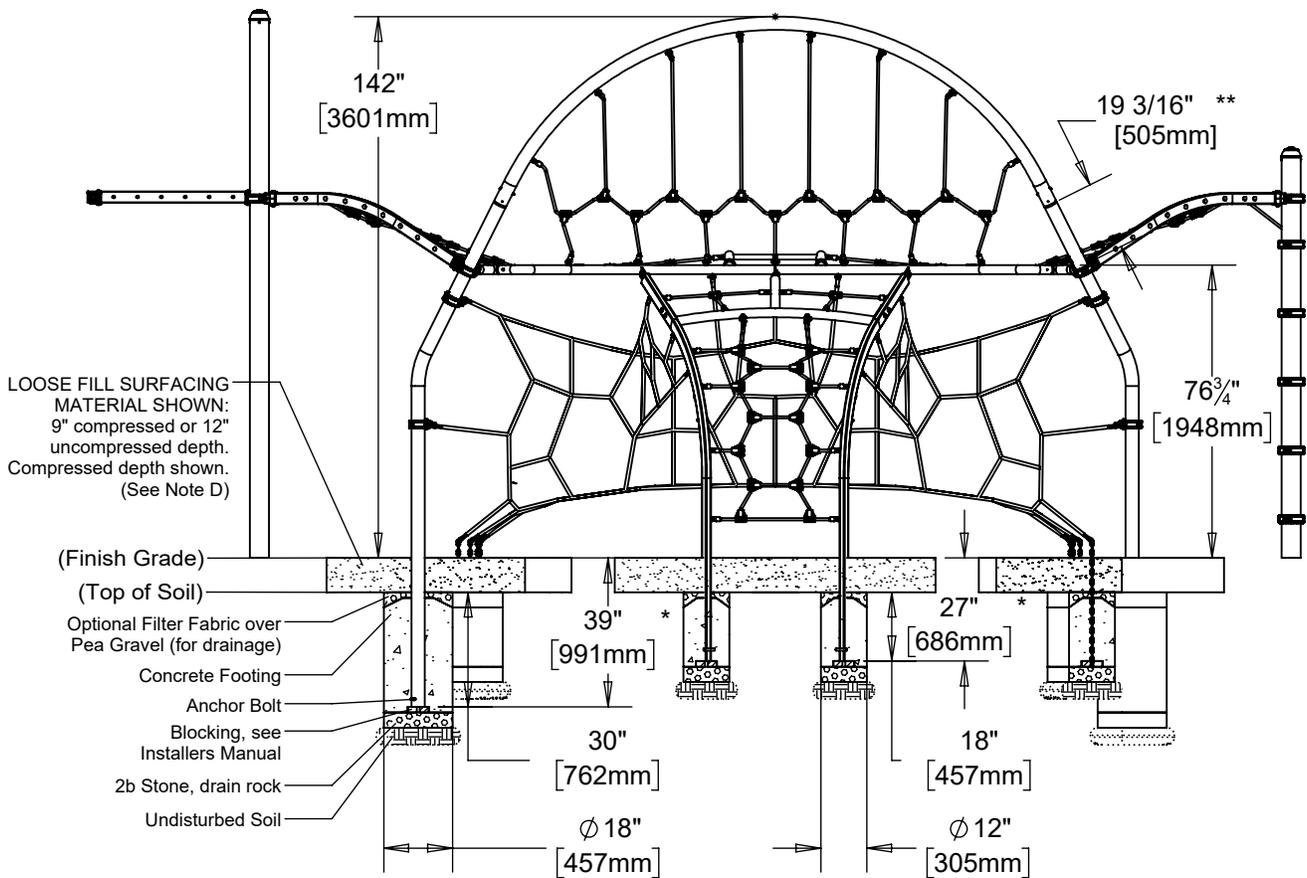
Refer to Footing Layout and mark footing hole locations. Dig (18) Ø 12" and (4) Ø 18" footing holes. Refer to Footing Detail for depth and details.

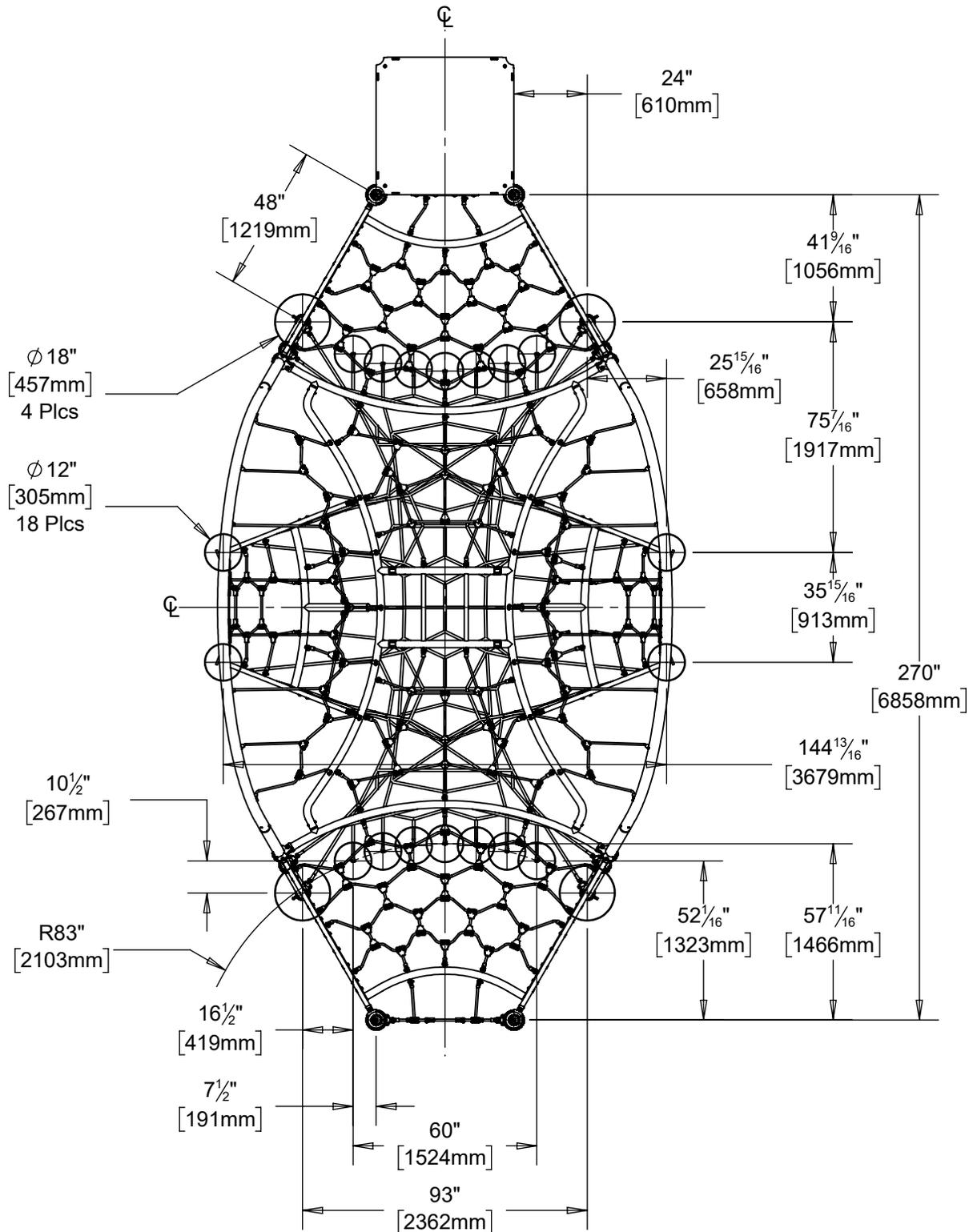
**IMPORTANT:** For areas with soft soil conditions, larger footings may be required.

\* 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 collar to bottom of Top Rail after installation.

**Footing Detail**





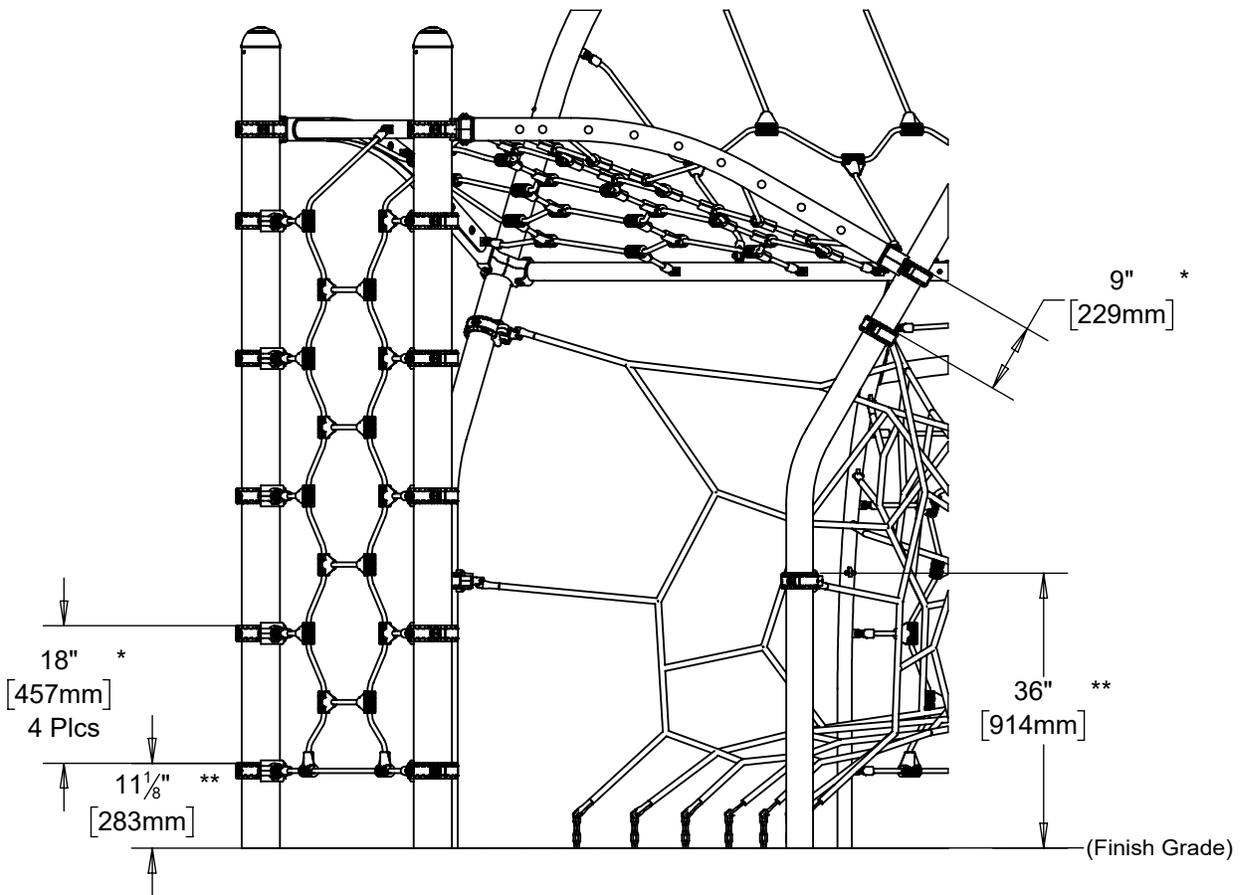
## Step 2

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

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

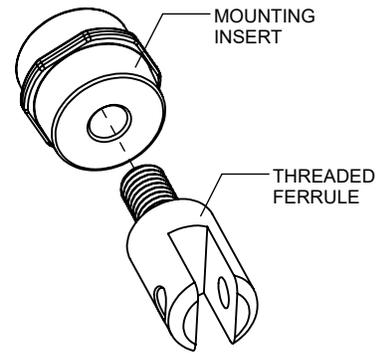
\*\* Height shown from finish grade to top of collar.

**Elevation View**

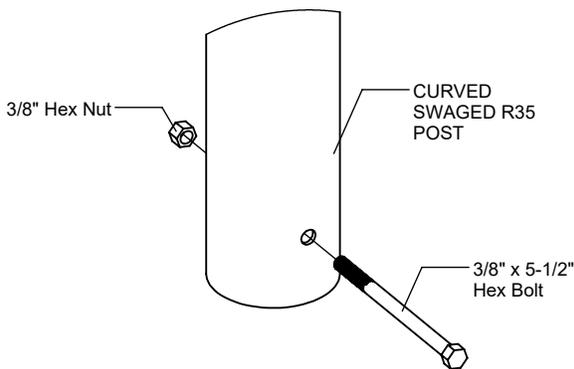


## Step 3 (Factory Assembled)

Attach Threaded Ferrules to Mounting Inserts as shown in Figure 2. (See Note A)



**FIGURE 2**



**FIGURE 3**

## Step 4

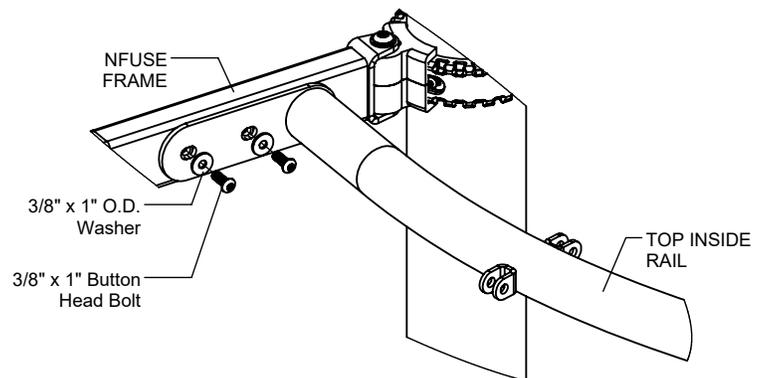
Attach Anchor Bolts to Curved Swaged R35 Post as shown in Figure 3.

## Step 5

Assemble corresponding NFuse Frames as described in Installation Manual Sections 5100 NFuse Frames. (See Notes B & C)

## Step 6

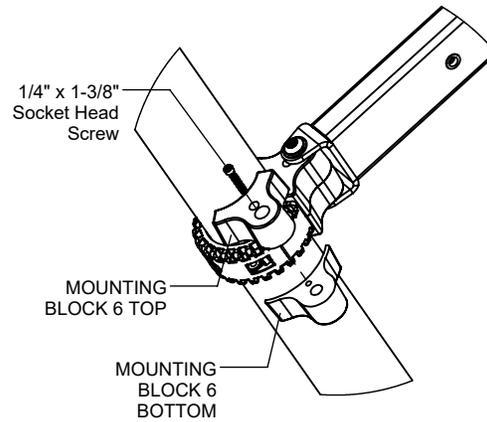
Attach Top Inside Rails to Frames as shown in Figure 4. (See Note A)



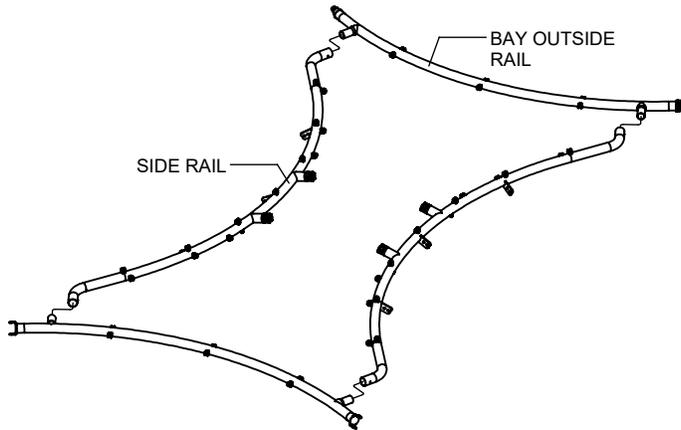
**FIGURE 4**

## Step 7

Attach Mounting Blocks to Collars as shown in Figure 5. (See Note A)



**FIGURE 5**



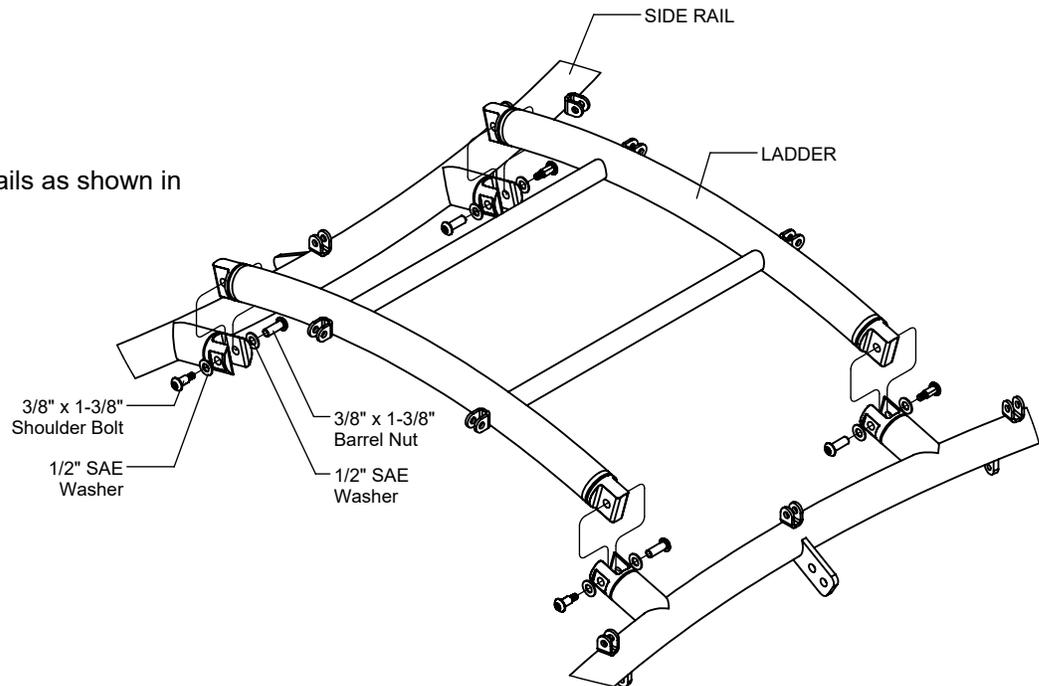
**FIGURE 6**

## Step 8

Slide Side Rails onto Bay Outside Rails as shown in Figure 6.

## Step 9

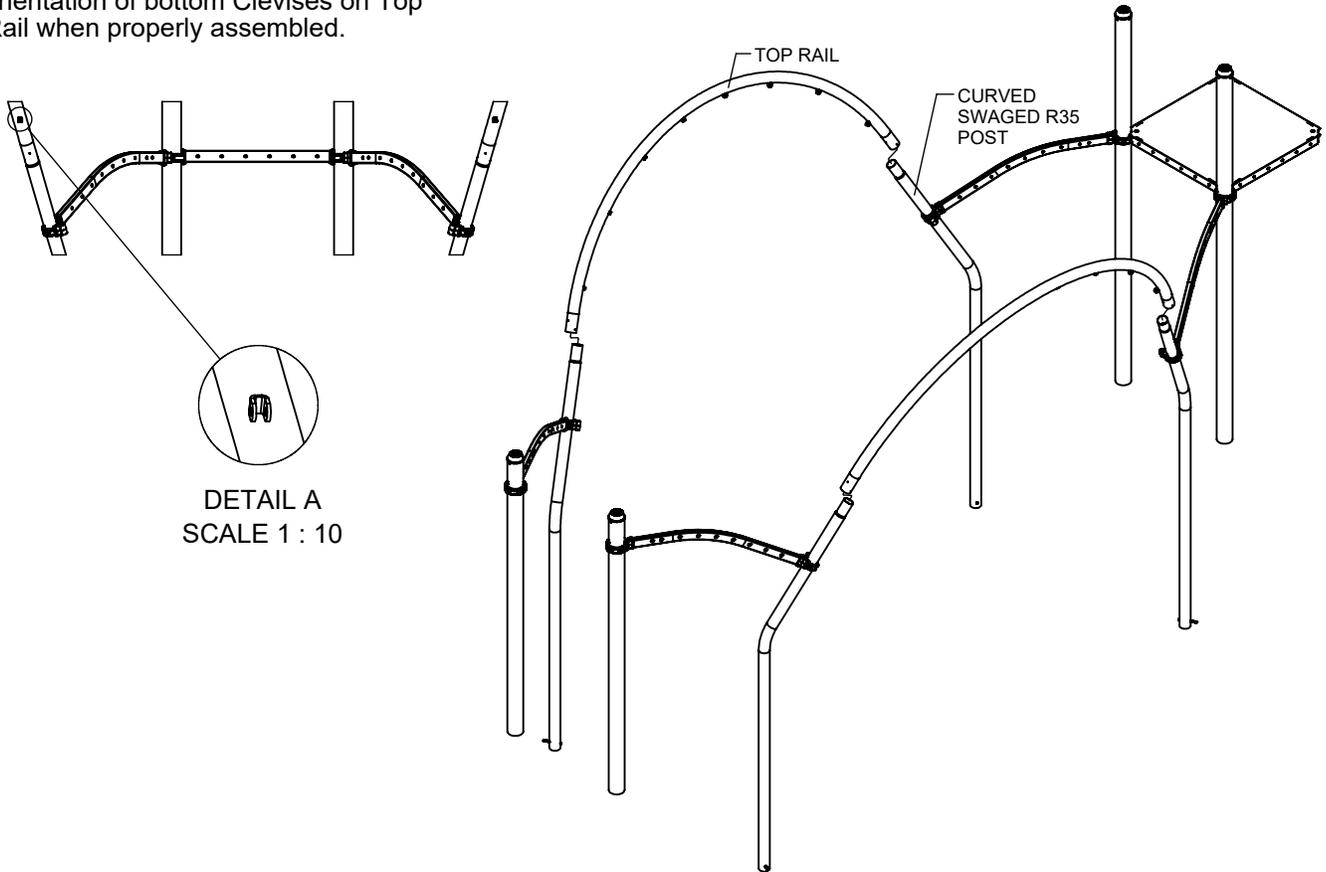
Attach Ladder to Side Rails as shown in Figure 7. (See Note A)



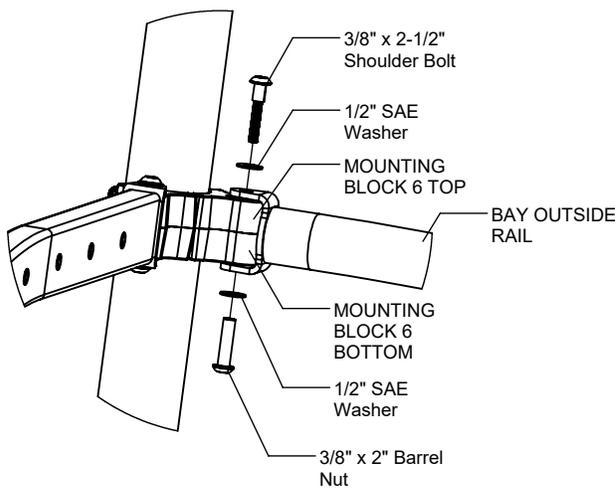
**FIGURE 7**

## Step 10

Slide Top Rails onto Curved Swaged R35 Posts as shown in Figure 8. Note orientation of bottom Clevises on Top Rail when properly assembled.



**FIGURE 8**



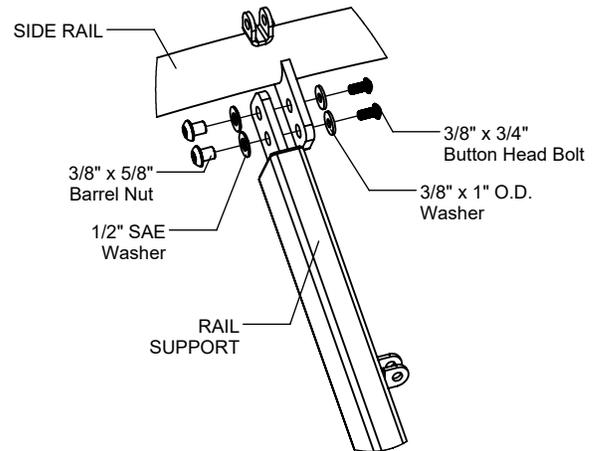
**FIGURE 9**

## Step 11

Lift each corner of the Side Rail, Bay Outside Rail, and Ladder assembly into place. Attach assembly to Mounting Blocks as shown in Figure 9. (See Note A)

## Step 12

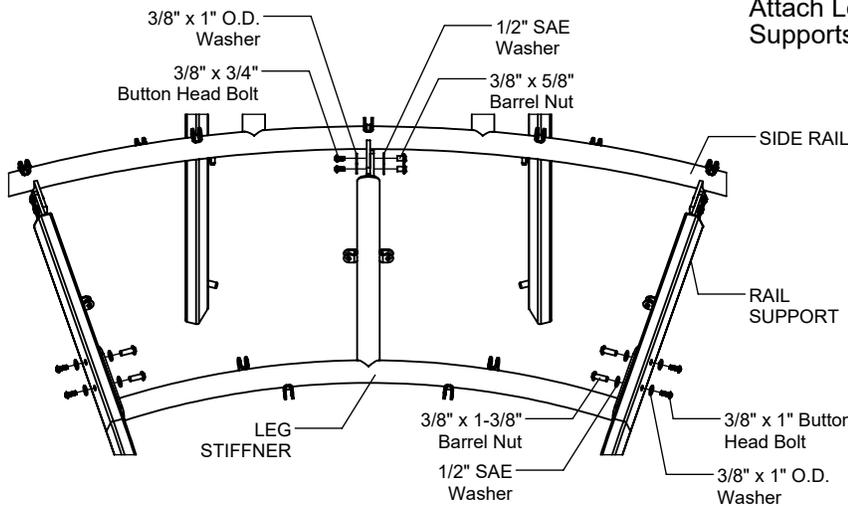
Attach Rail Supports to Side Rails as shown in Figure 10. (See Note A)



**FIGURE 10**

## Step 13

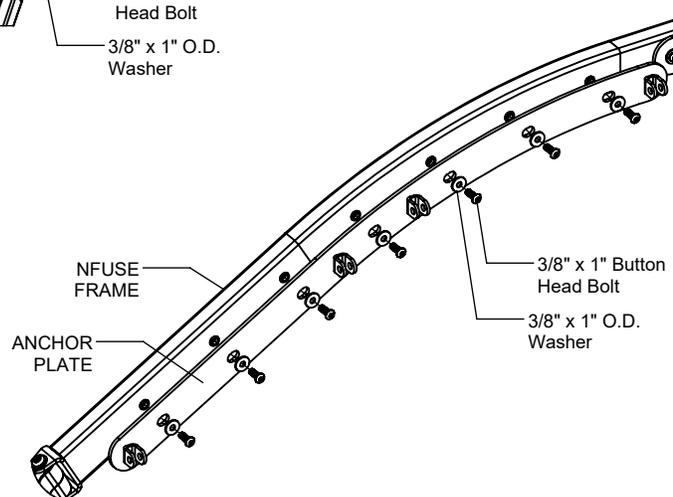
Attach Leg Stiffeners to Side Rails and Rail Supports as shown in Figure 11. (See Note A)



**FIGURE 11**

## Step 14

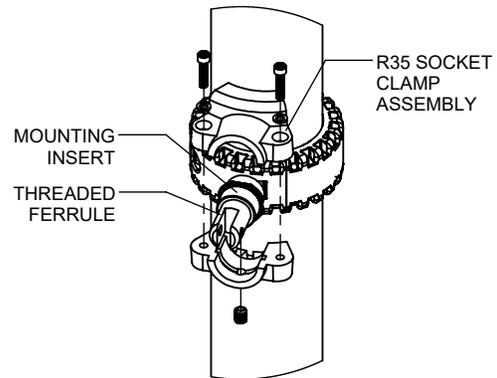
Attach Anchor Plates to NFuse Frames as shown in Figure 12. (See Note A)



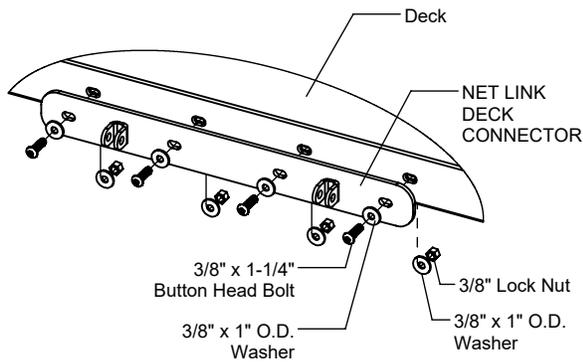
**FIGURE 12**

## Step 15

Attach Threaded Ferrule to Collars used for Main Net connections as shown in Figure 13. (See Notes A & C)



**FIGURE 13**



**FIGURE 14**

## Step 16

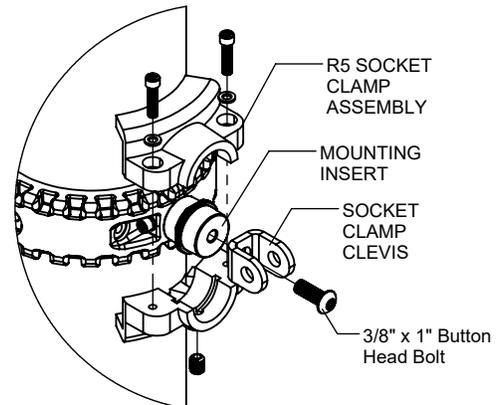
### For Deck Link Side Only

Attach Net Link Deck Connector to Deck as shown in Figure 14. (See Note A)

## Step 17

### For Bay Side Only

Attach Socket Clamp Clevis to Collars for Bay Net Ladder as shown in Figure 15. (See Notes A & C)

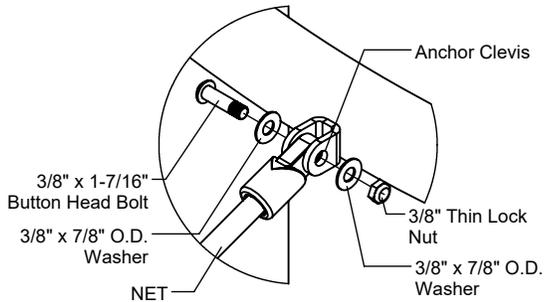


**FIGURE 15**

## Step 18

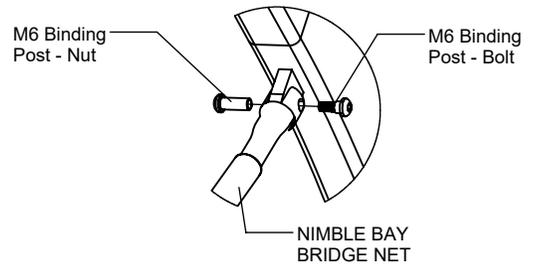
Attach Rope Components to Nimble Bay Bridge Structure as shown in Figures 16, 17, and 18. Assembled the Main Net last. (See Note A)

### Welded Rope Clevis



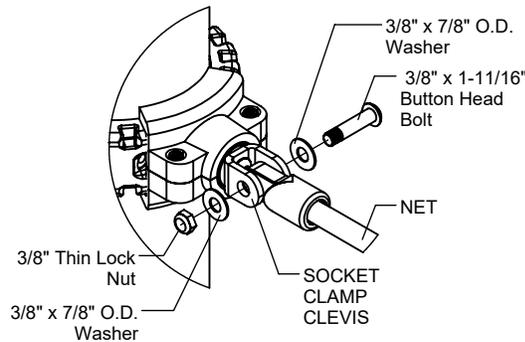
**FIGURE 16**

### Rope Camp Connection



**FIGURE 18**

### Socket Clamp Clevis



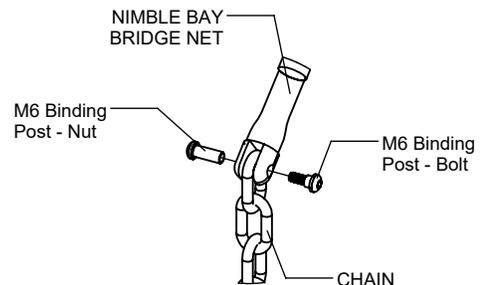
**FIGURE 17**

## Step 19

Attach Chain to Main Net as shown in Figure 19. (See Note A)

## Step 20

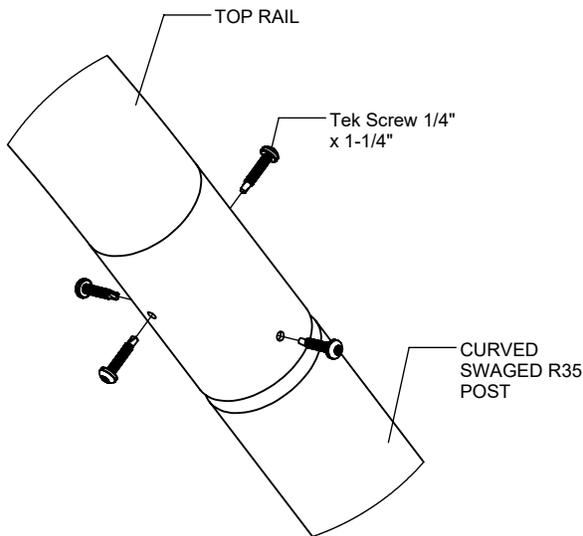
Place Chain into footing holes and ensure Main Net is taut.



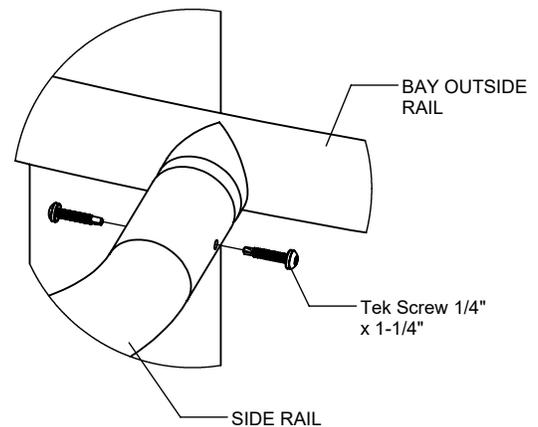
**FIGURE 19**

## Step 21

Secure Tek Screws to Nimble Bay Bridge structural components as shown in Figures 20 and 21.



**FIGURE 20**



**FIGURE 21**

## Step 22

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

## Step 23

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 24

Place required protective surfacing under and around NFuse Nimble Bay Bridge. (See Note D)

## Parts List

DECK TO DECK		
Part #	DESCRIPTION	QTY
FS-1528	Angled Net Link Deck Connector	2
FS-5201-BRK-L	NFuse Hex Net Bay - Bracket - Left	2
FS-5201-BRK-R	NFuse Hex Net Bay - Bracket - Right	2
FS-5201-TI	NFuse Hex Net Bay - Top Inside Weldment	2
FS-5501-L	Bay Bridge Ladder	1
FS-5501-O	Bay Bridge Outside Rail	2
FS-5501-SLL	Bay Bridge Support Leg Left	2
FS-5501-SLR	Bay Bridge Support Leg Right	2
FS-5501-SLS	Bay Bridge Support Leg Stiffner	2
FS-5501-SR	Bay Bridge Side Rail	2
FS-5501-TR	Bay Bridge Top Rail	2
GG-8125	Mounting Block 6 Top R3.5	4
GG-8127	Mounting Block 6 Bottom R3.5	4
HE-0008-26	26-Link Galvanized Chain	14
HM-0001-DN	NFuse Deck Link Net	4
HM-0001-TN	NFuse Hex Net Bay - Top Net	2
HM-0014-CN	Bay Bridge Center Net	2
HM-0014-PT	Side Rope Tops	2
HM-0014-SNB	Bay Bridge Side Net Bottom	2
HM-0014-SNT	Bay Bridge Side Net Top	2
HM-0014-WN	Bay Bridge Wall Net	2
HM-0016	Nimble Bay Bridge Net	1
HS-1001-R35	Socket Clamp Set R3.5	8
JM-0002-R35	NFuse Curved Swaged R35 Shade Post	4
9103032-TR	Bolt Button Head 3/8" x 3/4"	12
9103052-TR	Bolt Button Head 3/8" x 1"	44
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	8
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	120
9123231	Bolt Hex 3/8" x 5-1/2"	4
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9271062-TR	1/4" x 1-1/4" Tek Screw	24
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	72
9333042	Washer Flat 3/8" x 7/8" O.D.	240
9345002	Washer Flat SAE 1/2"	36
9413002	Nut Lock 3/8"	8
9423002	Nut Lock Thin 3/8"	120
9443022-TR	Nut Barrel 3/8" x 5/8" BH	12
9443062-TR	Nut Barrel 3/8" x 1-3/8" BH	12
9443092-TR	Nut Barrel 3/8" x 2" BH	4
9483602	Nut Hex 3/8"	4
9652032-B	M6 Binding Post - Bolt	50
9652032-N	M6 Binding Post - Nut	50

## Specifications

BAY TO BAY		
Part #	DESCRIPTION	QTY
BE-1105	Socket Clamp Rope Clevis	20
		1
FS-5201-BRK-L	NFuse Hex Net Bay - Bracket - Left	2
FS-5201-BRK-R	NFuse Hex Net Bay - Bracket - Right	2
FS-5201-TI	NFuse Hex Net Bay - Top Inside Weldment	2
FS-5501-L	Bay Bridge Ladder	1
FS-5501-O	Bay Bridge Outside Rail	2
FS-5501-SLL	Bay Bridge Support Leg Left	2
FS-5501-SLR	Bay Bridge Support Leg Right	2
FS-5501-SLS	Bay Bridge Support Leg Stiffner	2
FS-5501-SR	Bay Bridge Side Rail	2
FS-5501-TR	Bay Bridge Top Rail	2
GE-7015	Mounting Insert	20
GG-8125	Mounting Block 6 Top R3.5	4
GG-8127	Mounting Block 6 Bottom R3.5	4
HE-0008-26	26-Link Galvanized Chain	14
HM-0001-IN	NFuse Hex Net Bay - Inner Net	2
HM-0001-TN	NFuse Hex Net Bay - Top Net	2
HM-0014-CN	Bay Bridge Center Net	2
HM-0014-PT	Side Rope Tops	2
HM-0014-SNB	Bay Bridge Side Net Bottom	2
HM-0014-SNT	Bay Bridge Side Net Top	2
HM-0014-WN	Bay Bridge Wall Net	2
HM-0016	Nimble Bay Bridge Net	1
HS-1001-R35	Socket Clamp Set R3.5	8
HS-1001-R5	Socket Clamp Set R5	20
JM-0002-R35	NFuse Curved Swaged R35 Shade Post	4
9103032-TR	Bolt Button Head 3/8" x 3/4"	12
9103052-TR	Bolt Button Head 3/8" x 1"	64
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	116
9103210-TR	Bolt Button Head 3/8" x 1-11/16"	20
9123231	Bolt Hex 3/8" x 5-1/2"	4
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9271062-TR	1/4" x 1-1/4" Tek Screw	24
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	56
9333042	Washer Flat 3/8" x 7/8" O.D.	272
9345002	Washer Flat SAE 1/2"	36
9423002	Nut Lock Thin 3/8"	136
9443022-TR	Nut Barrel 3/8" x 5/8" BH	12
9443062-TR	Nut Barrel 3/8" x 1-3/8" BH	12
9443092-TR	Nut Barrel 3/8" x 2" BH	4
9483602	Nut Hex 3/8"	4
9652032-B	M6 Binding Post - Bolt	50
9652032-N	M6 Binding Post - Nut	50



# NFUSE NIMBLE BAY BRIDGE INSTALLATION INSTRUCTIONS

**5501**  
Page 13 of 14

## Parts List

DECK TO BAY		
Part #	DESCRIPTION	QTY
BE-1105	Socket Clamp Rope Clevis	10
		1
FS-1528	Angled Net Link Deck Connector	1
FS-5201-BRK-L	NFuse Hex Net Bay - Bracket - Left	2
FS-5201-BRK-R	NFuse Hex Net Bay - Bracket - Right	2
FS-5201-TI	NFuse Hex Net Bay - Top Inside Weldment	2
FS-5501-L	Bay Bridge Ladder	1
FS-5501-O	Bay Bridge Outside Rail	2
FS-5501-SLL	Bay Bridge Support Leg Left	2
FS-5501-SLR	Bay Bridge Support Leg Right	2
FS-5501-SLS	Bay Bridge Support Leg Stiffner	2
FS-5501-SR	Bay Bridge Side Rail	2
FS-5501-TR	Bay Bridge Top Rail	2
GE-7015	Mounting Insert	10
GG-8125	Mounting Block 6 Top R3.5	4
GG-8127	Mounting Block 6 Bottom R3.5	4
HE-0008-26	26-Link Galvanized Chain	14
HM-0001-DN	NFuse Deck Link Net	2
HM-0001-IN	NFuse Hex Net Bay - Inner Net	1
HM-0001-TN	NFuse Hex Net Bay - Top Net	2
HM-0014-CN	Bay Bridge Center Net	2
HM-0014-PT	Side Rope Tops	2
HM-0014-SNB	Bay Bridge Side Net Bottom	2
HM-0014-SNT	Bay Bridge Side Net Top	2
HM-0014-WN	Bay Bridge Wall Net	2
HM-0016	Nimble Bay Bridge Net	1
HS-1001-R35	Socket Clamp Set R3.5	8
HS-1001-R5	Socket Clamp Set R5	10
JM-0002-R35	NFuse Curved Swaged R35 Shade Post	4
9103032-TR	Bolt Button Head 3/8" x 3/4"	12
9103052-TR	Bolt Button Head 3/8" x 1"	54
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	4
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	118
9103210-TR	Bolt Button Head 3/8" x 1-11/16"	10
9123231	Bolt Hex 3/8" x 5-1/2"	4
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9271062-TR	1/4" x 1-1/4" Tek Screw	24
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	64
9333042	Washer Flat 3/8" x 7/8" O.D.	256
9345002	Washer Flat SAE 1/2"	36
9413002	Nut Lock 3/8"	4
9423002	Nut Lock Thin 3/8"	128
9443022-TR	Nut Barrel 3/8" x 5/8" BH	12
9443062-TR	Nut Barrel 3/8" x 1-3/8" BH	12
9443092-TR	Nut Barrel 3/8" x 2" BH	4
9483602	Nut Hex 3/8"	4
9652032-B	M6 Binding Post - Bolt	50
9652032-N	M6 Binding Post - Nut	50

## Assembled Parts List

Part #	DESCRIPTION	QTY
GE-7015-RC	Mounting Insert - Rope Camp	8
432000	Rope Camp Threaded Ferrule	8



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**Rev A**  
1/23/2023

## Specifications

### **SOCKET CLAMP ROPE CLEVIS:**

Shall be fabricated from 3/16" thick stainless steel.

### **ANGLED NET LINK DECK CONNECTOR & NFUSE HEX NET BAY BRACKETS:**

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

### **NFUSE HEX NET BAY TOP INSIDE WELDMENT:**

Shall be fabricated from 2.375" O.D. 10 gauge steel tubing with welded 1/4" thick steel plates and 3/16" thick stainless steel clevises and will have a multi-stage baked-on powder coat finish.

### **BAY BRIDGE LADDER:**

Shall be fabricated from 2.375" O.D. 11 gauge and 1.315" O.D. 12 gauge steel tubing with welded 3/16" thick stainless steel clevises and machined ferrules and will have a multi-stage baked-on powder coat finish.

### **BAY BRIDGE OUTSIDE RAIL:**

Shall be fabricated from 2.375" O.D. 10 gauge steel tubing with welded 3/16" thick stainless steel clevises and 1/4" thick steel clevises and will have a multi-stage baked-on powder coat finish.

### **BAY BRIDGE SUPPORT LEGS:**

Shall be fabricated from 1-1/2"x3"x.120" steel tubing with welded 12 gauge, 3/8", and 3/16" thick steel caps, tabs, and clevises and 5/8" O.D. anchors and will have a multi-stage baked-on powder coat finish.

### **BAY BRIDGE SUPPORT LEG STIFFNERS:**

Shall be fabricated from 2.375" O.D. 11 gauge steel tubing with welded 1/4", 3/8", and 3/16" thick steel caps, tabs, and clevises and will have a multi-stage baked-on powder coat finish.

### **BAY BRIDGE SIDE RAIL:**

Shall be fabricated from 2.375" O.D. 11 gauge steel tubing with welded 3/8" and 3/16" thick steel tabs and clevises and machined ferrules and will have a multi-stage baked-on powder coat finish.

### **BAY BRIDGE TOP RAIL:**

Shall be fabricated from 3.5" O.D. 11 gauge steel tubing with 3/16" thick stainless steel clevises and will have a multi-stage baked-on powder coat finish.

### **MOUNTING INSERTS:**

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

### **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.

### **CHAIN:**

Shall be fabricated from 5/0 galvanized steel chain with silver shield finish.

### **NETS:**

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

### **NIMBLE BAY BRIDGE NET:**

Shall be made from 20mm steel-reinforced rope with high-strength copolymer plastic intersection connectors and machined aluminum end ferrules.

### **NFUSE CURVED SWAGE R35 SHADE POST:**

Shall be fabricated from 3.5" O.D. 11 gauge steel tubing 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.

