

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.

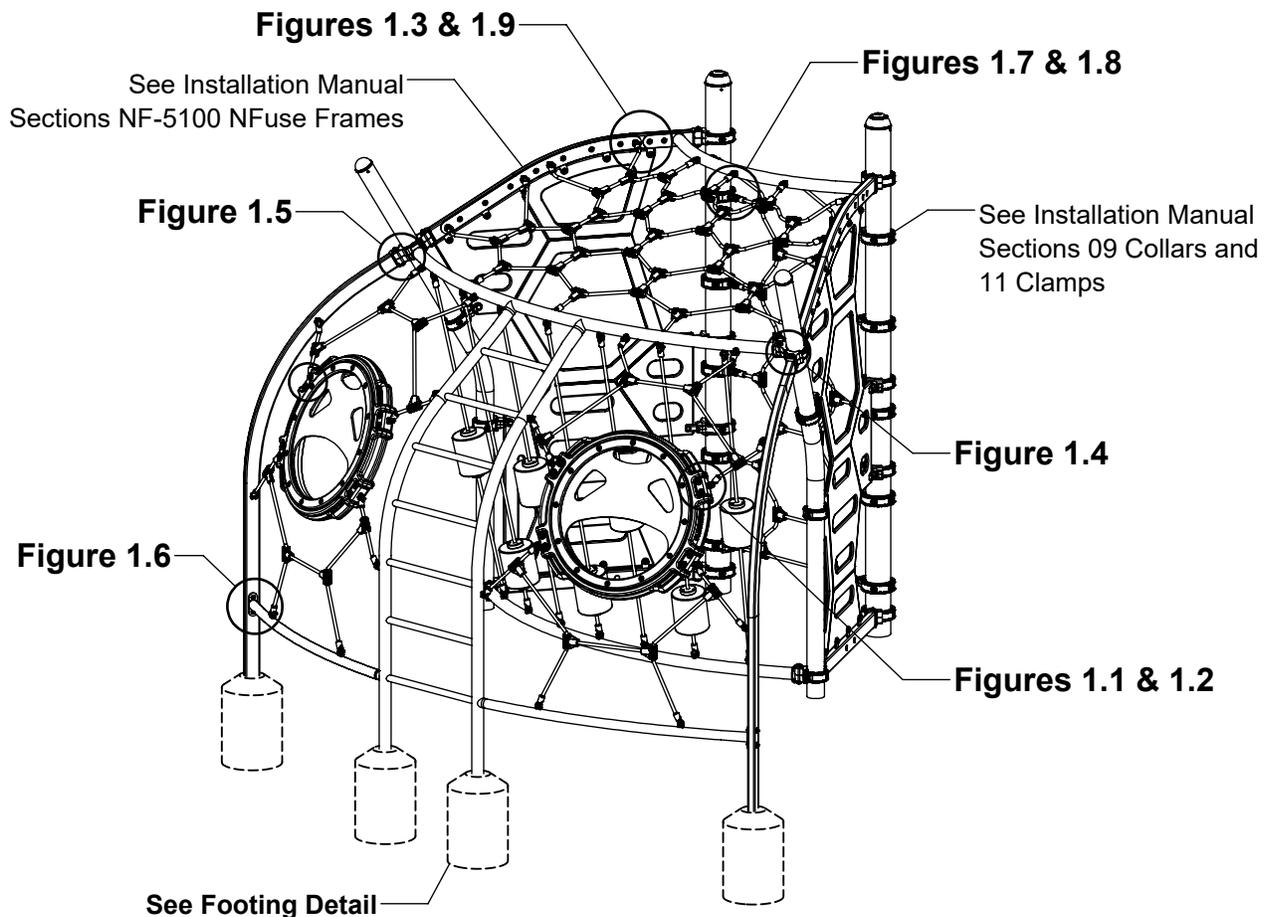
(B) Do not pour concrete until the equipment is completely assembled, leveled and plumbed. Concrete must be allowed to cure completely before using the equipment (at least 72 hours).

(C) Refer to Installation Manual for 09 Collars, 11 Socket Clamps, and NF-5100 NFuse Frames installation instructions.

(D) All gaps created (e.g. between ropes and framework, etc.) must be less than 3-1/2" [89mm] or greater than 9" [229mm].

(E) 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 for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.

FIGURE 1
NFuse Explorer's Arch Bay



NOTE: NFuse Non-Deck Mount Bay shown. Other configurations will vary slightly, but does not affect assembly.

Step 1

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

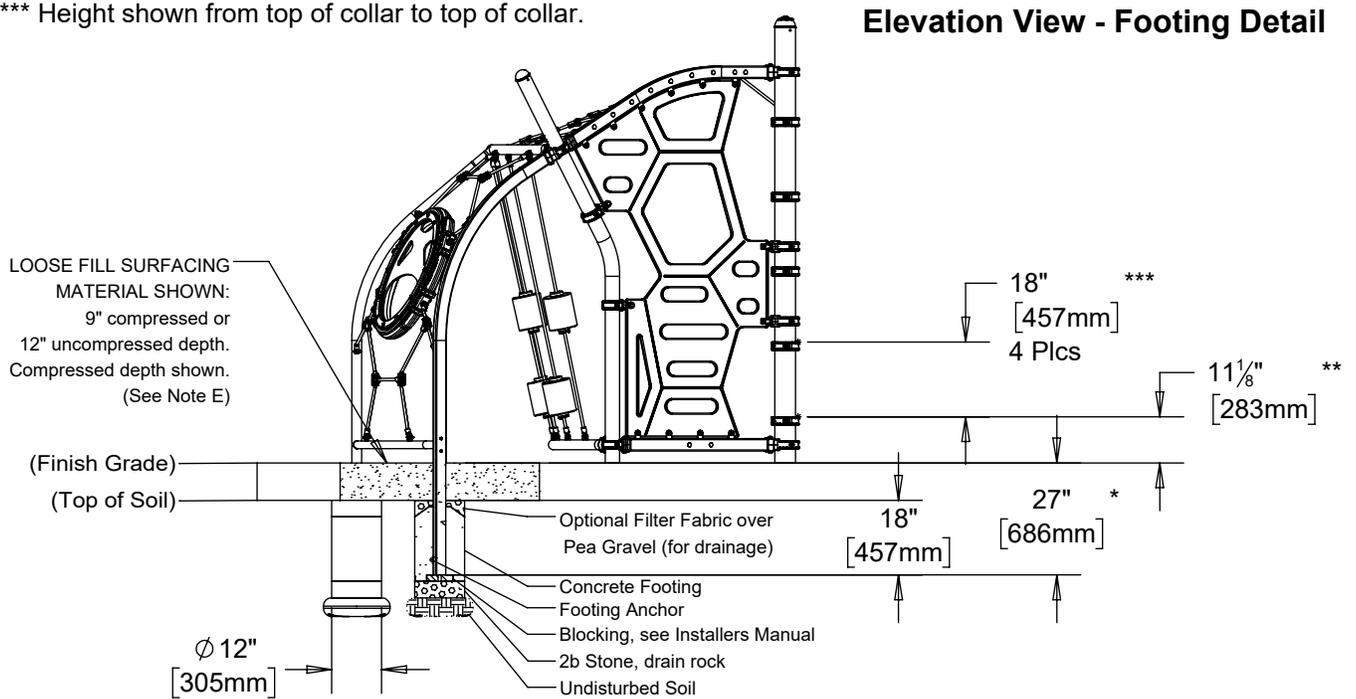
Locate and attach collars at heights shown in Elevation View. (See Note B)

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

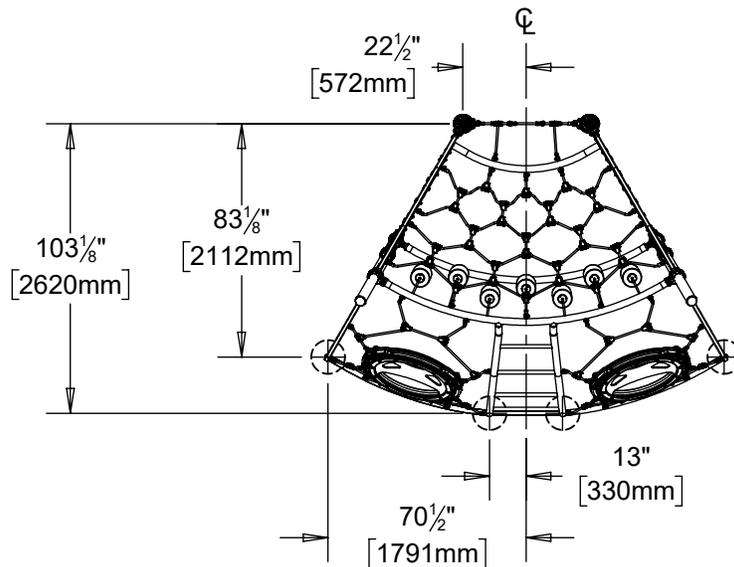
* Footing depth must be adjusted to compensate for the depth/thickness requirements of selected safety surfacing. See Section 06.1 of the Installation Manual.

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

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



Top View - Footing Layout



Step 2 (Factory Assembled)

Assemble NFuse Explorer's Arch Bay Roto Panel as shown in Figure 2. (See Note A)

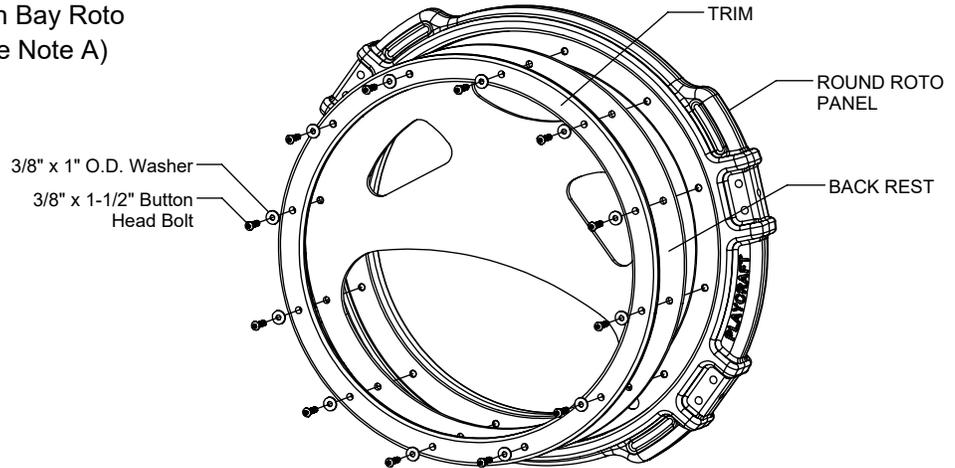


FIGURE 2

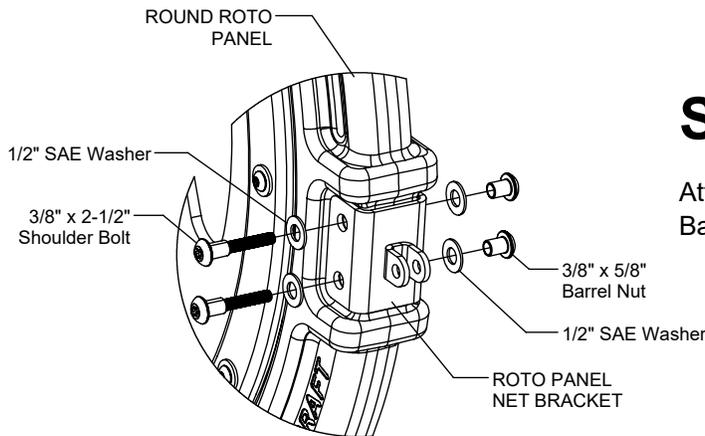


Figure 1.1

Step 3 (Factory Assembled)

Attach Roto Panel Net Bracket to NFuse Explorer's Arch Bay Roto Panel as shown in Figure 1.1. (See Note A)

Step 4 (Factory Assembled)

Attach NFuse Explorer's Arch Bay Net to Roto Panel Net Bracket as shown in Figure 1.2. (See Note A)

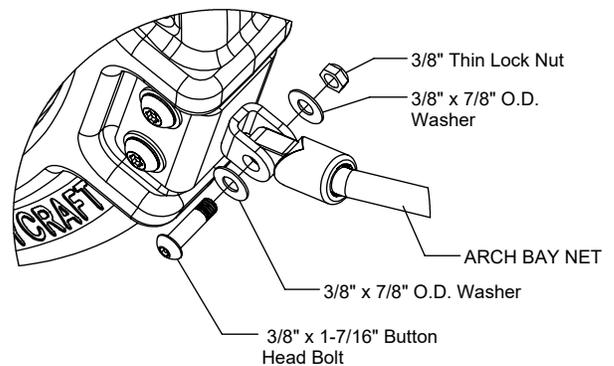


Figure 1.2

Step 5

Attach Top Inside Rail and Anchor Plate to Frame as shown in Figure 1.3. (See Note A)

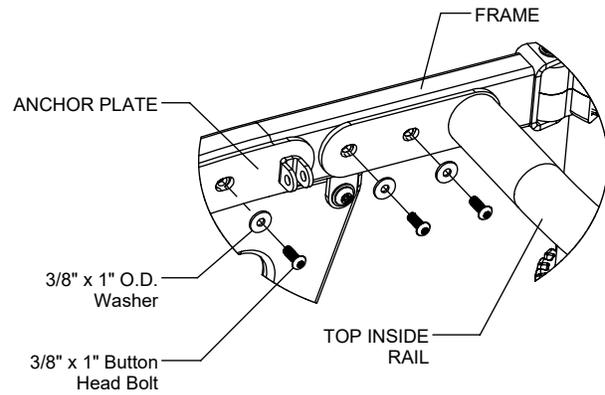


Figure 1.3

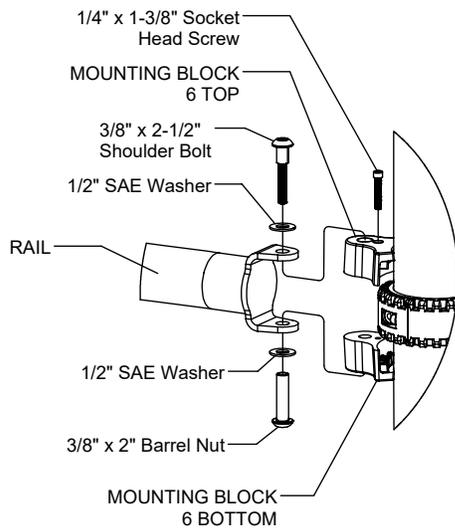


Figure 1.4

Step 6

Attach Top Outside Rail and Bottom Rail to Post as shown in Figure 1.4. (See Note A)

Step 7

Attach Extension Frame to Post as shown in Figure 1.5. (See Note A)

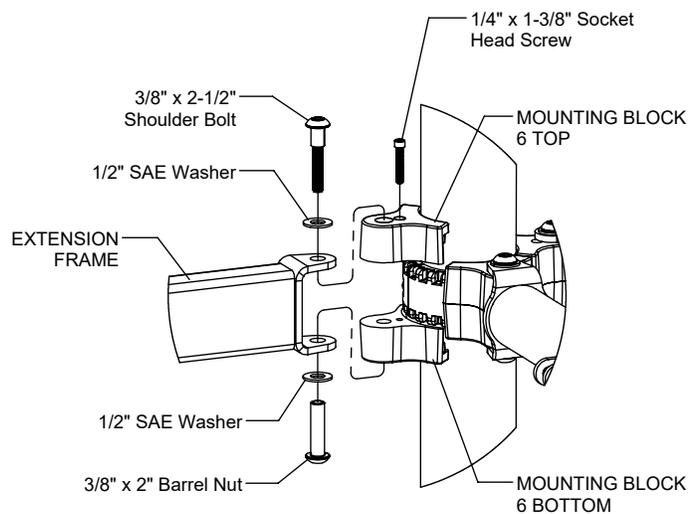


Figure 1.5

Step 8

Place Ladder onto Top Outside Rail stubs. Place Arch Bay Side Rails over stubs on Ladder prior to attaching Arch Bay Rails to Extension Frame as shown in Figure 3.

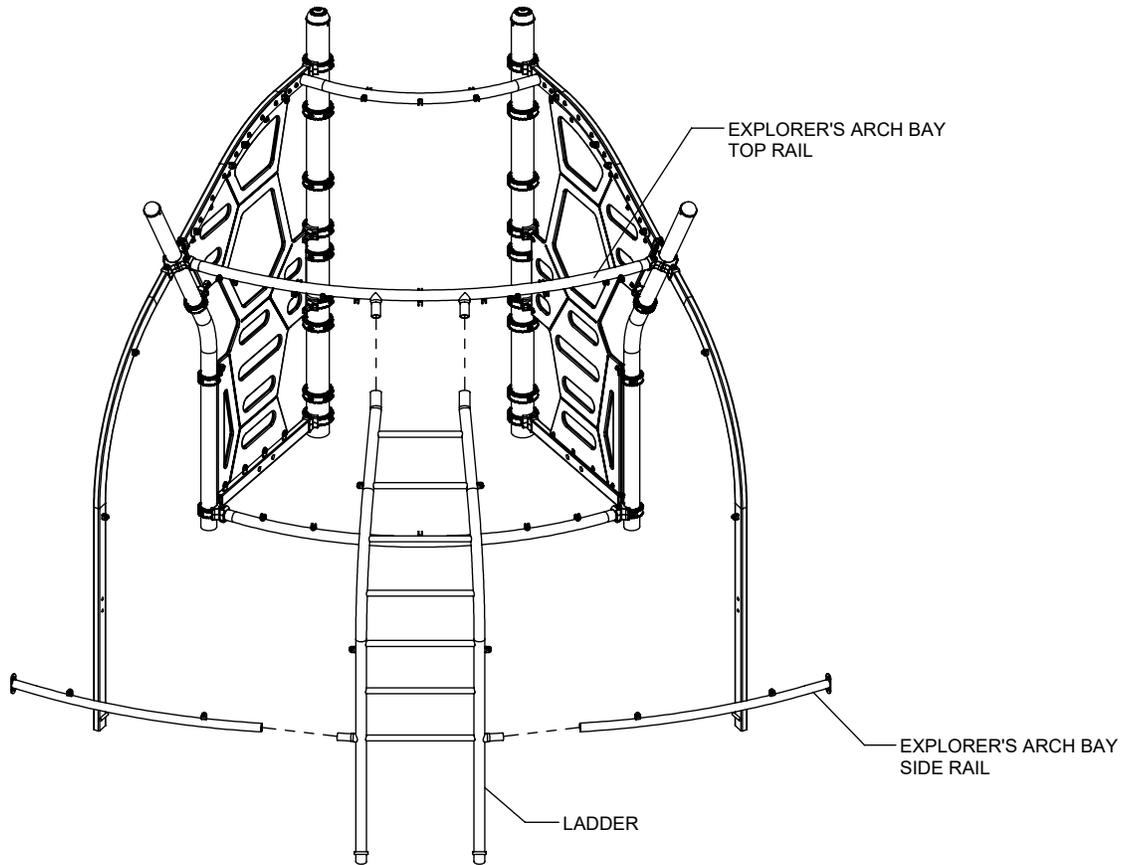


FIGURE 3

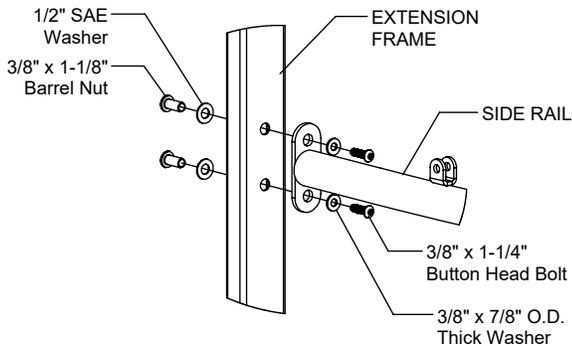


Figure 1.6

Step 9

Attach Explorer's Arch Bay Side Rail to Extension Frame as shown in Figure 1.6. (See Note A)

Step 10

For Deck Mount Version Only

Attach Net Link Deck Connector to Deck as shown in Figure 4. (See Note A)

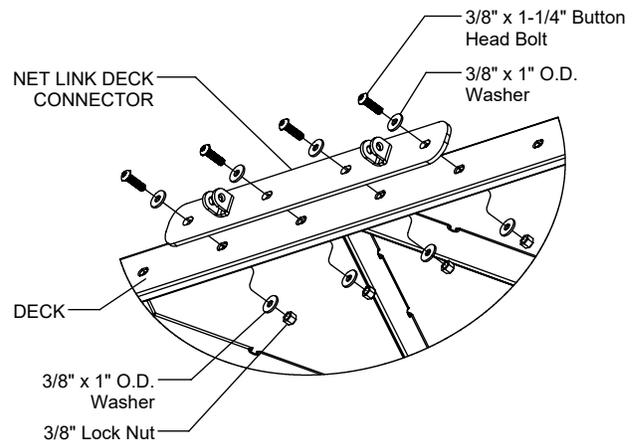


FIGURE 4

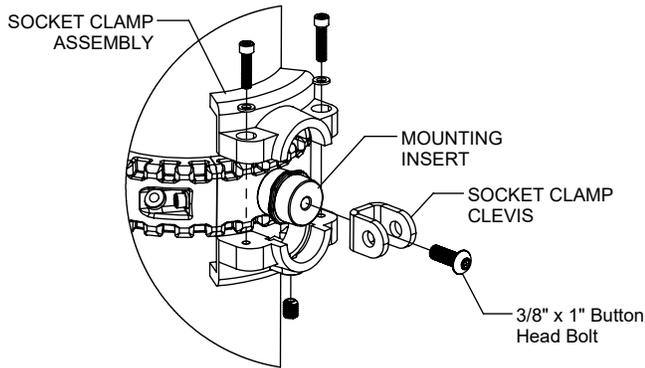


Figure 1.7

Step 11

For Non-Deck Mount Version Only

Attach Socket Clamp Clevis to Collar as shown in Figure 1.7. (See Notes A and C)

Step 12

For Non-Deck Mount Version Only

Attach Ferrules for Inner Net to the Socket Clamp Clevises as shown in Figure 1.8. (See Note A)

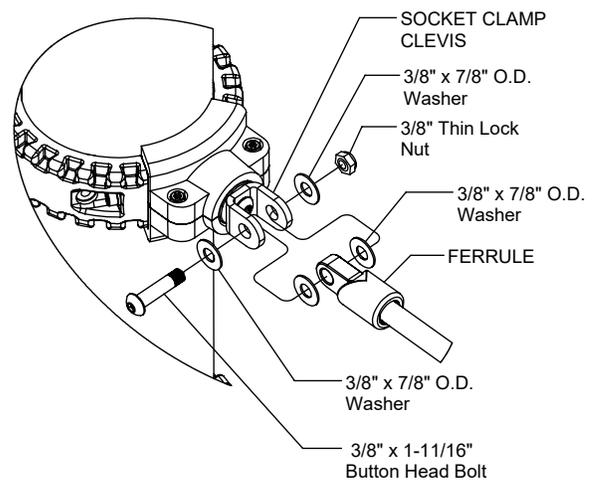


Figure 1.8

Step 13

Attach the Ferrules on Top Net, Inner Net, Rope Nets, Arch Bay Nets, and Deck Link Net to the corresponding welded Anchor Clevis as shown in Figure 1.9.

(See Note A)

Note:

- 14 Places for Top Net
- 2 Places for Inner Net (Non-Deck Mount Only)
- 14 Places for Rope Nets
- 16 Places for Arch Bay Nets
- 4 Places for Deck Link (Deck Mount Only)

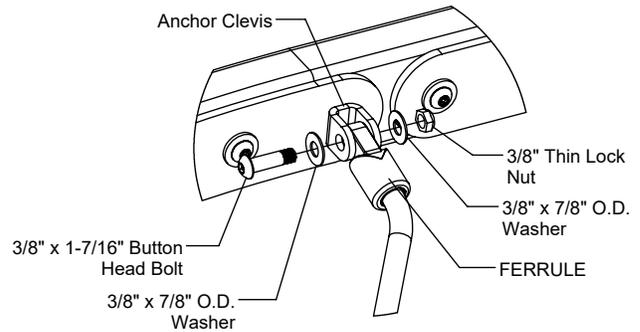


Figure 1.9

Step 14

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

Step 15

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 16

Place required protective surfacing under and around NFuse Explorer's Arch Bay. (See Note E)

NFUSE EXPLORER'S ARCH BAY INSTALLATION INSTRUCTIONS

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Parts List

IN-GROUND NON-DECK LINK		
Part #	DESCRIPTION	QTY
BE-1105	Socket Clamp Rope Clevis	10
FS-5201-BRK-L	NFuse Hex Net Bay - Bracket - Left	1
FS-5201-BRK-R	NFuse Hex Net Bay - Bracket - Right	1
FS-5201-TI	NFuse Hex Net Bay - Top Inside Weldment	1
FS-5204-BR	NFuse Molecule Bay - Bottom Rail	1
FS-5206-EF-L	NFuse Explorer's Arch Bay - Extension Frame Left	1
FS-5206-EF-R	NFuse Explorer's Arch Bay - Extension Frame Right	1
FS-5206-L	NFuse Explorer's Arch Bay - Ladder	1
FS-5206-SR-L	NFuse Explorer's Arch Bay - Side Rail Left	1
FS-5206-SR-R	NFuse Explorer's Arch Bay - Side Rail Right	1
FS-5206-TR	NFuse Explorer's Arch Bay - Top Rail	1
GE-7015	Mounting Insert	10
GG-8125	Mounting Block 6 Top R3.5	6
GG-8127	Mounting Block 6 Bottom R3.5	6
HM-0001-IN	NFuse Hex Net Bay - Inner Net	1
HM-0001-TN	NFuse Hex Net Bay - Top Net	1
HM-0007-1	NFuse Molecule Bay - Net-1	4
HM-0007-2	NFuse Molecule Bay - Net-2	3
HS-1001-R5	Socket Clamp Set R5	10
9103052-TR	Bolt Button Head 3/8" x 1"	28
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	4
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	46
9103210-TR	Bolt Button Head 3/8" x 1-11/16"	10
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	6
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	18
9333042	Washer Flat 3/8" x 7/8" O.D.	132
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	4
9345002	Washer Flat SAE 1/2"	16
9423002	Nut Lock Thin 3/8"	56
9443052-TR	Nut Barrel 3/8" x 1-1/8" BH	4
9443092-TR	Nut Barrel 3/8" x 2" BH	6

Parts List

SURFACE MOUNT NON-DECK LINK		
Part #	DESCRIPTION	QTY
BE-1105	Socket Clamp Rope Clevis	10
FS-5201-BRK-L	NFuse Hex Net Bay - Bracket - Left	1
FS-5201-BRK-R	NFuse Hex Net Bay - Bracket - Right	1
FS-5201-TI	NFuse Hex Net Bay - Top Inside Weldment	1
FS-5204-BR	NFuse Molecule Bay - Bottom Rail	1
FS-5206-EF-L-SM	NFuse Explorer's Arch Bay - Extension Frame Left - Surface Mount	1
FS-5206-EF-R-SM	NFuse Explorer's Arch Bay - Extension Frame Right - Surface Mount	1
FS-5206-L-SM	NFuse Explorer's Arch Bay - Ladder - Surface Mount	1
FS-5206-SR-L	NFuse Explorer's Arch Bay - Side Rail Left	1
FS-5206-SR-R	NFuse Explorer's Arch Bay - Side Rail Right	1
FS-5206-TR	NFuse Explorer's Arch Bay - Top Rail	1
GE-7015	Mounting Insert	10
GG-8125	Mounting Block 6 Top R3.5	6
GG-8127	Mounting Block 6 Bottom R3.5	6
HM-0001-IN	NFuse Hex Net Bay - Inner Net	1
HM-0001-TN	NFuse Hex Net Bay - Top Net	1
HM-0007-1	NFuse Molecule Bay - Net-1	4
HM-0007-2	NFuse Molecule Bay - Net-2	3
HS-1001-R5	Socket Clamp Set R5	10
9103052-TR	Bolt Button Head 3/8" x 1"	28
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	4
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	46
9103210-TR	Bolt Button Head 3/8" x 1-11/16"	10
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	6
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	18
9333042	Washer Flat 3/8" x 7/8" O.D.	132
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	4
9345002	Washer Flat SAE 1/2"	16
9423002	Nut Lock Thin 3/8"	56
9443052-TR	Nut Barrel 3/8" x 1-1/8" BH	4
9443092-TR	Nut Barrel 3/8" x 2" BH	6



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NFUSE EXPLORER'S ARCH BAY INSTALLATION INSTRUCTIONS

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Parts List

IN-GROUND DECK LINK		
Part #	DESCRIPTION	QTY
FS-1528	Angled Net Link Deck Connector	1
FS-5201-BRK-L	NFuse Hex Net Bay - Bracket - Left	1
FS-5201-BRK-R	NFuse Hex Net Bay - Bracket - Right	1
FS-5201-TI	NFuse Hex Net Bay - Top Inside Weldment	1
FS-5204-BR	NFuse Molecule Bay - Bottom Rail	1
FS-5206-EF-L	NFuse Explorer's Arch Bay - Extension Frame Left	1
FS-5206-EF-R	NFuse Explorer's Arch Bay - Extension Frame Right	1
FS-5206-L	NFuse Explorer's Arch Bay - Ladder	1
FS-5206-SR-L	NFuse Explorer's Arch Bay - Side Rail Left	1
FS-5206-SR-R	NFuse Explorer's Arch Bay - Side Rail Right	1
FS-5206-TR	NFuse Explorer's Arch Bay - Top Rail	1
GG-8125	Mounting Block 6 Top R3.5	6
GG-8127	Mounting Block 6 Bottom R3.5	6
HM-0001-DN	NFuse Deck Link Net	2
HM-0001-TN	NFuse Hex Net Bay - Top Net	1
HM-0007-1	NFuse Molecule Bay - Net-1	4
HM-0007-2	NFuse Molecule Bay - Net-2	3
9103052-TR	Bolt Button Head 3/8" x 1"	18
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	8
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	48
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	6
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	26
9333042	Washer Flat 3/8" x 7/8" O.D.	96
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	4
9345002	Washer Flat SAE 1/2"	16
9413002	Nut Lock 3/8"	4
9423002	Nut Lock Thin 3/8"	48
9443052-TR	Nut Barrel 3/8" x 1-1/8" BH	4
9443092-TR	Nut Barrel 3/8" x 2" BH	6

Parts List

SURFACE MOUNT DECK LINK		
Part #	DESCRIPTION	QTY
FS-1528	Angled Net Link Deck Connector	1
FS-5201-BRK-L	NFuse Hex Net Bay - Bracket - Left	1
FS-5201-BRK-R	NFuse Hex Net Bay - Bracket - Right	1
FS-5201-TI	NFuse Hex Net Bay - Top Inside Weldment	1
FS-5204-BR	NFuse Molecule Bay - Bottom Rail	1
FS-5206-EF-L-SM	NFuse Explorer's Arch Bay - Extension Frame Left - Surface Mount	1
FS-5206-EF-R-SM	NFuse Explorer's Arch Bay - Extension Frame Right - Surface Mount	1
FS-5206-L-SM	NFuse Explorer's Arch Bay - Ladder - Surface Mount	1
FS-5206-SR-L	NFuse Explorer's Arch Bay - Side Rail Left	1
FS-5206-SR-R	NFuse Explorer's Arch Bay - Side Rail Right	1
FS-5206-TR	NFuse Explorer's Arch Bay - Top Rail	1
GG-8125	Mounting Block 6 Top R3.5	6
GG-8127	Mounting Block 6 Bottom R3.5	6
HM-0001-DN	NFuse Deck Link Net	2
HM-0001-TN	NFuse Hex Net Bay - Top Net	1
HM-0007-1	NFuse Molecule Bay - Net-1	4
HM-0007-2	NFuse Molecule Bay - Net-2	3
9103052-TR	Bolt Button Head 3/8" x 1"	18
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	8
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	48
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	6
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	26
9333042	Washer Flat 3/8" x 7/8" O.D.	96
9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	4
9345002	Washer Flat SAE 1/2"	16
9413002	Nut Lock 3/8"	4
9423002	Nut Lock Thin 3/8"	48
9443052-TR	Nut Barrel 3/8" x 1-1/8" BH	4
9443092-TR	Nut Barrel 3/8" x 2" BH	6



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Assembled Parts List

ALL CONFIGURATIONS		
Part #	DESCRIPTION	QTY
DH-0002	Round Roto Panel RV	2
EM-0005	NFuse Explorer's Arch Bay - Trim	2
FS-5206-NB	Roto Panel Net Bracket	8
HM-0004	NFuse Explorer's Arch Bay - Top Net	2
HM-0004-B	NFuse Explorer's Arch Bay - Bottom Net	2
HM-0008	NFuse Explorer's Arch Bay - Back Rest	2
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	24
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	8
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	16
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	24
9333042	Washer Flat 3/8" x 7/8" O.D.	16
9345002	Washer Flat SAE 1/2"	32
9423002	Nut Lock Thin 3/8"	8
9443022-TR	Nut Barrel 3/8" x 5/8" BH	16



Specifications

SOCKET CLAMP ROPE CLEVIS:

Shall be precision cut and formed using 3/16" stainless steel.

NFUSE HEX NET BAY - BRACKET & ANGLED NET LINK DECK CONNECTOR:

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

NFUSE EXPLORER'S ARCH BAY - TOP RAIL & NFUSE MOLECULE BAY - BOTTOM RAIL:

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

NFUSE EXPLORER'S ARCH BAY - SIDE RAIL:

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

NFUSE EXPLORER'S ARCH BAY - EXTENSION FRAME:

Shall be fabricated using 1-1/2" x 3" x .120" Rectangular TS, welded 1/4" thick steel plates and clevises, 3/16" thick stainless steel clevises and 5/8" HR round bar and will have a multi-stage baked-on powder coat finish.

NFUSE EXPLORER'S ARCH BAY - LADDER:

Shall be fabricated using 2.375" O.D., 1.900" O.D. and 1.315" O.D. steel tubing with welded 1/4" thick steel plates and \varnothing 5/8" HR round bar and will have a multi-stage baked-on powder coat finish.

<PARA >

ROUND ROTO PANEL:

Shall be constructed of UV-stabilized, rotationally molded, linear, low density polyethylene with an average wall thickness of .250".

NFUSE EXPLORER'S ARCH BAY - TRIM:

Shall be made from high density 3/4" sheet plastic specially formulated for optimum UV stability and color retention.

NFUSE EXPLORER'S ARCH BAY - BACK REST:

Shall be constructed of UVC-stabilized flexible rubber compound with slash proof, reinforced metal inserts.

NFUSE EXPLORER'S ARCH BAY - NETS:

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

ROTO PANEL NET BRACKET:

Shall be fabricated using 3/16" thick steel bracket with welded 3/16" thick steel clevis 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.

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.

