

IMPORTANT NOTES: Read First

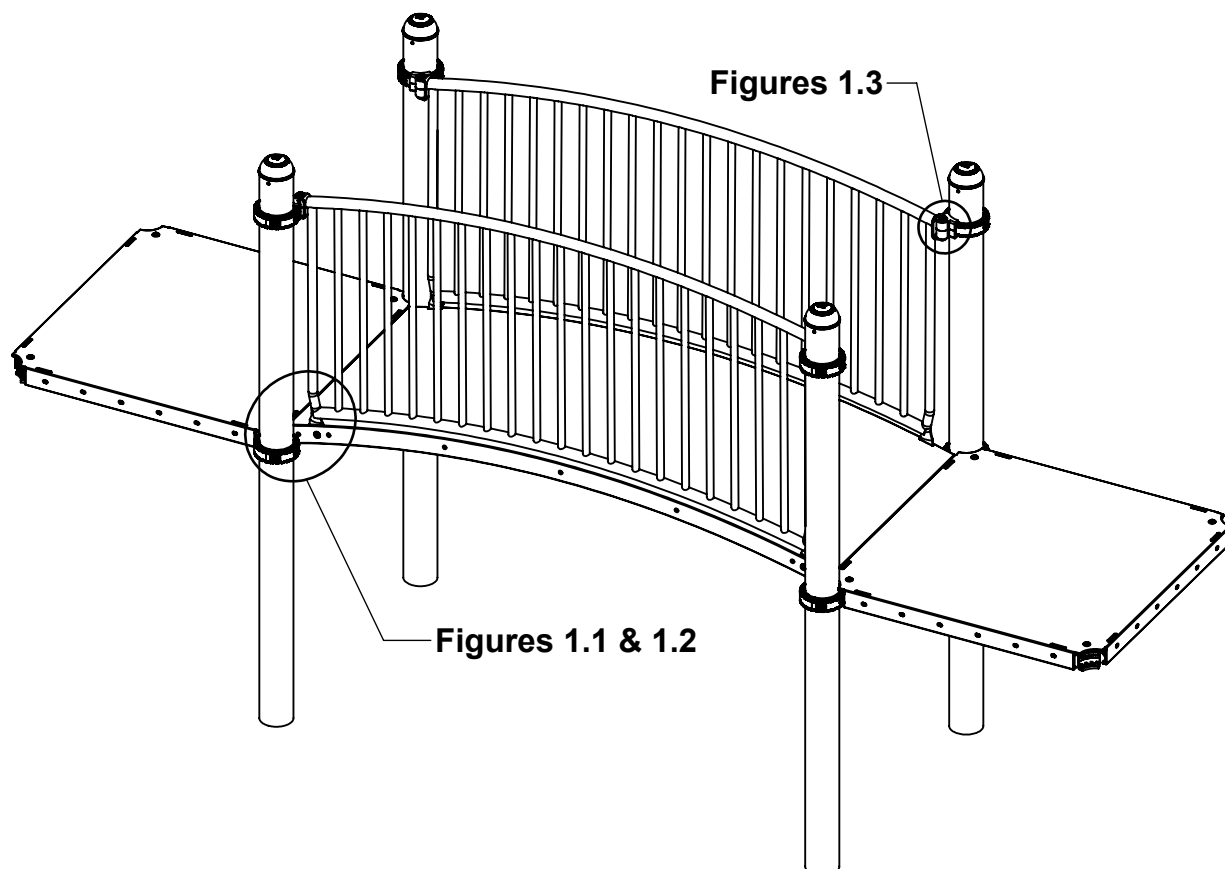
(A) Use liquid thread lock (such as Loctite®) with all threaded hardware. **Important:** Liquid thread lock (prior to curing) helps to eliminate the common problem of "thread seizure" in stainless steel hardware by serving as a lubricant during assembly.

(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 1309 Half Wall 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 for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.

FIGURE 1
Arch Bridge



NOTE: R5 Arch Bridge 90" shown.
Other configurations will vary slightly,
but does not affect assembly.

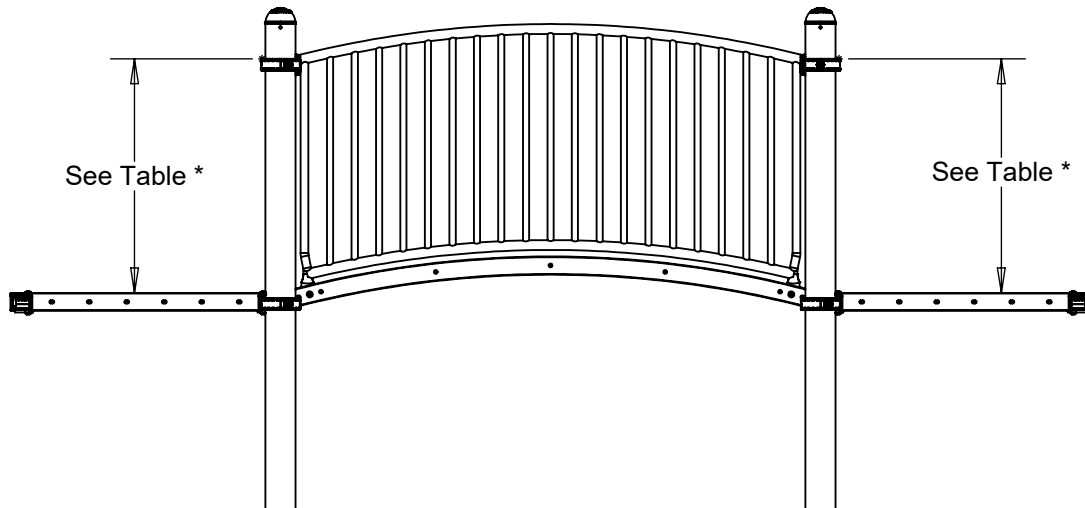
Step 1

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

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

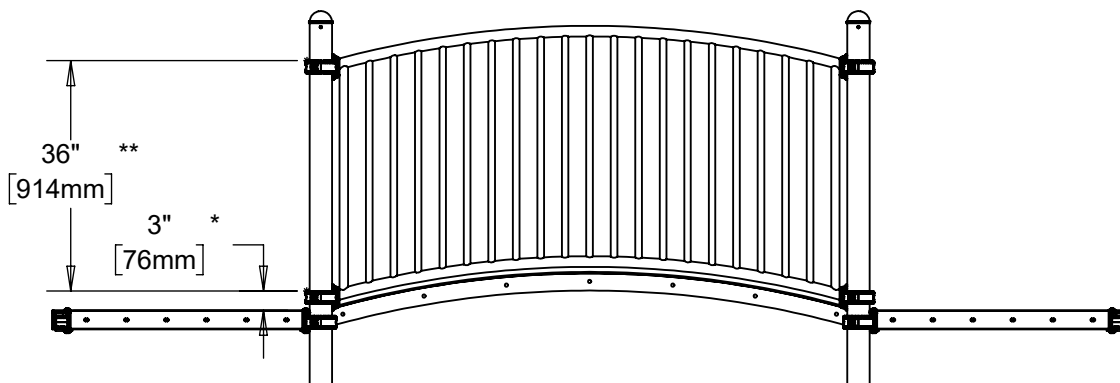
** Height shown from top of collar to top of collar.

Elevation View



Collar Heights		
R35 42" & 84"	39" *	991mm *
R5 84" & 90"	39" *	991mm *
R5 Japan Tall 45" & 90"	45" *	1143mm *
R5 Japan XTall 90" & 120"	60" *	1524mm *

Elevation View
Steel Wall Only



Step 2 (Factory Assembled) 42" Version Only

Attach Arch Bridge Wall Trim to Arch Bridge Wall as shown in Figure 2 (See Note A).

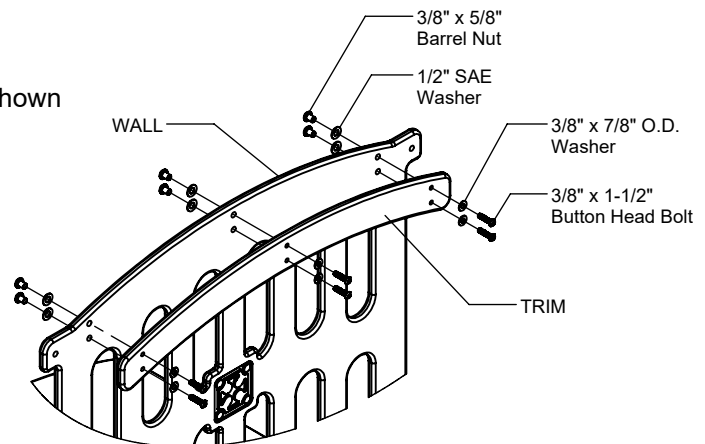


FIGURE 2

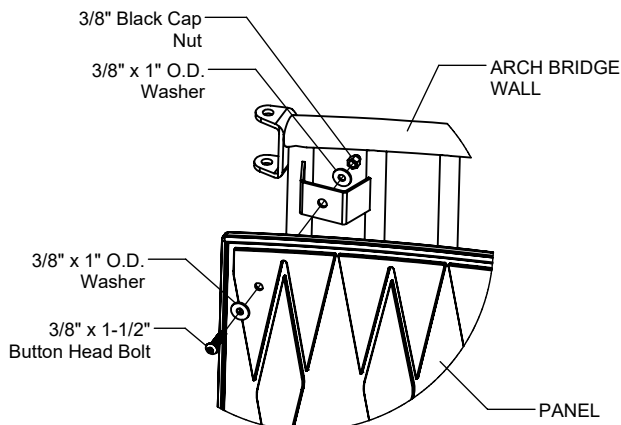


FIGURE 3

Step 3 (Factory Assembled) Circus Arch Bridge Only

Attach Arch Bridge Circus Panel to Arch Bridge Wall as shown in Figure 3 (See Note A).

Step 4 (Factory Assembled) Bouy Arch Bridge Only

Attach Bouy Trim to Arch Bridge Wall as shown in Figure 4 (See Note A).

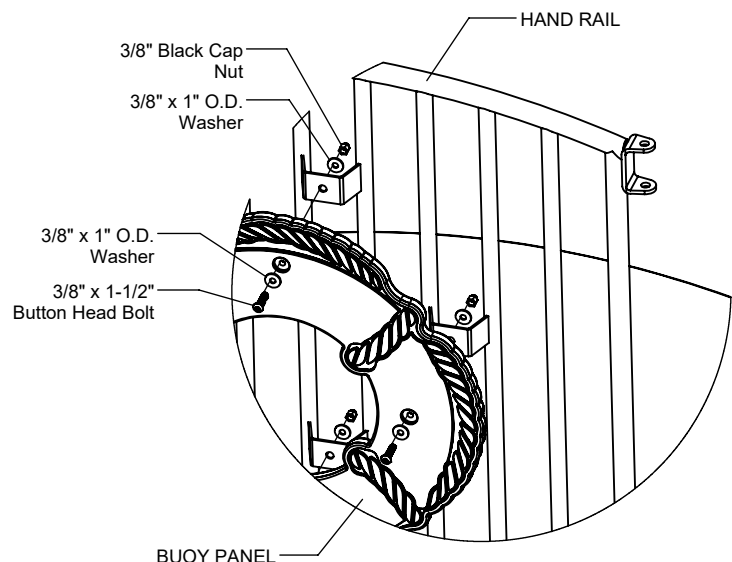


FIGURE 4

Step 5 (Factory Assembled) 84" Version Only

Attach Arch Bridge Wall Trim to Arch Bridge Wall as shown in Figure 5 (See Note A).

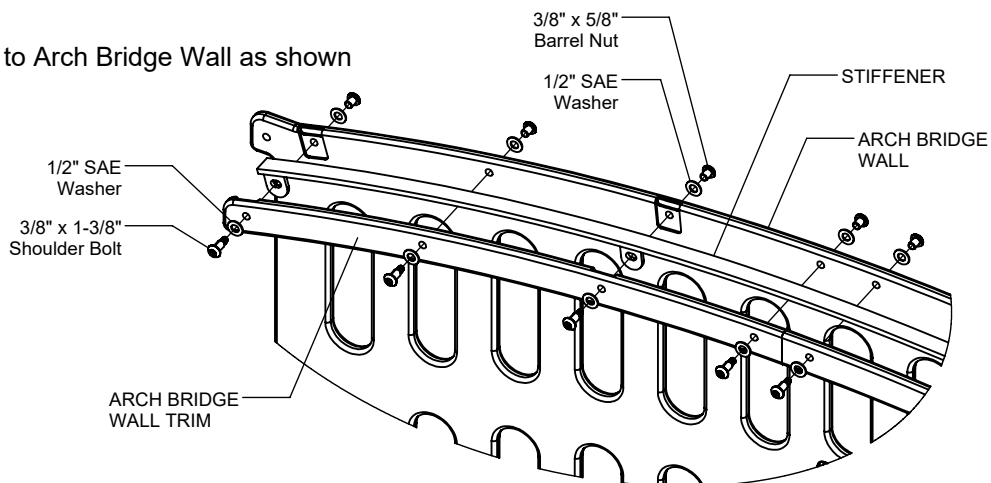


FIGURE 5

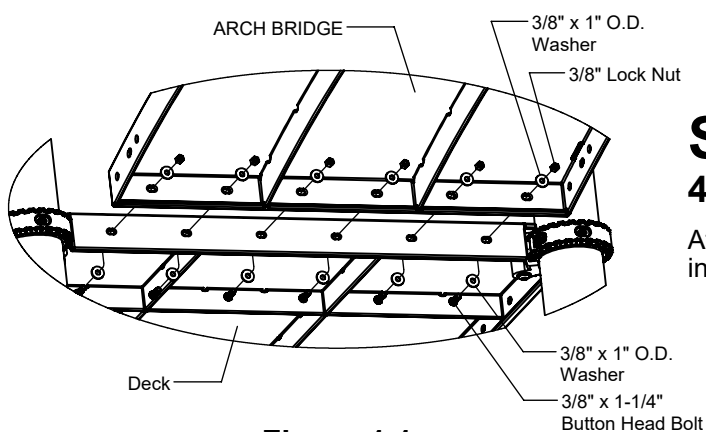


Figure 1.1a

Step 6a 42", 45", 84" & 90" Versions Only

Attach Arch Bridge between decks as shown in Figure 1.1a (See Note A).

Step 6b 120" Version Only

Attach Arch Bridge between decks as shown in Figure 1.1b (See Note A).

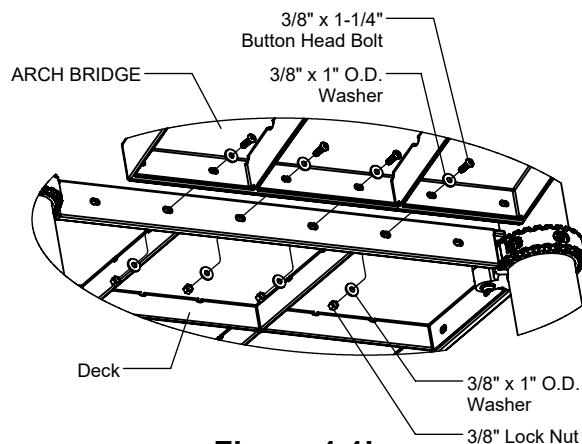


Figure 1.1b

Step 7

Arch Bridge 120" Version Only

Attach Arch Bridge to Arch Bridge as shown in Figure 6 (See Note A).

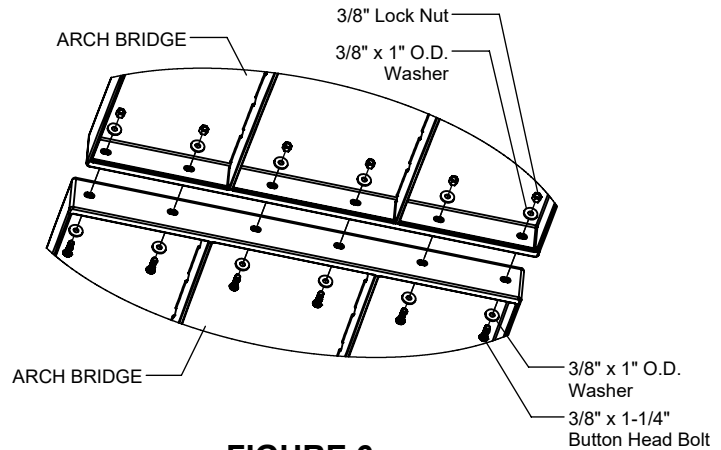


FIGURE 6

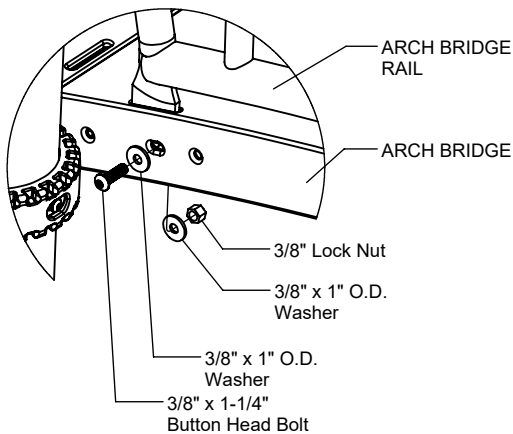


Figure 1.2

Step 8a

45", 84" & 90" Versions Only

Attach Arch Bridge Rail to Arch Bridge as shown in Figure 1.2 (See Note A).

Step 8b

Arch Bridge 120" Version Only

Attach Arch Bridge Wall to Deck as shown in Figure 7 (See Note A).

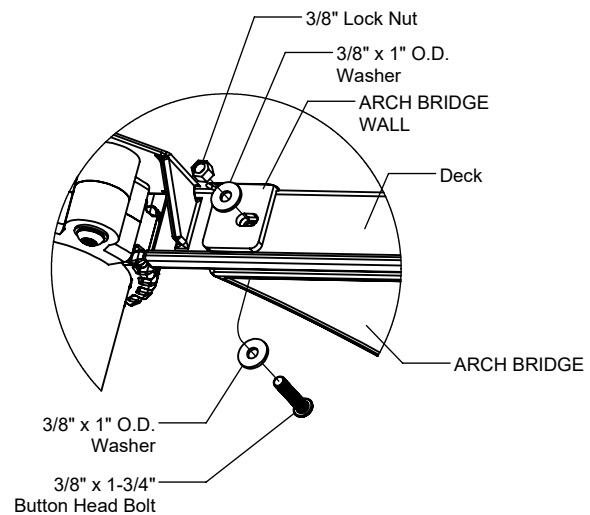


FIGURE 7

Step 9 42" & 84" Versions Only

Attach Arch Bridge Wall to Arch Bridge as shown in Figure 8 (See Note A).

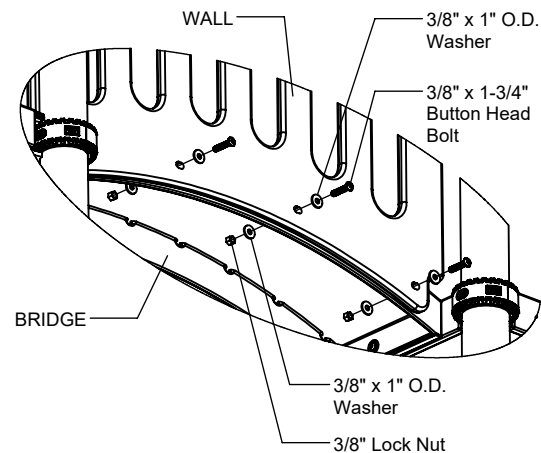


FIGURE 8

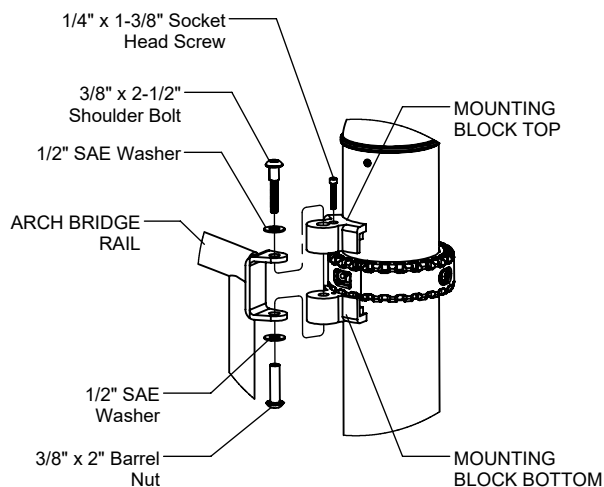


Figure 1.3

Step 10a 45", 84" & 90" Version Only

Attach Arch Bridge Wall to Collar as shown in Figure 1.3 (See Note A).

Step 10b 120" Version Only

Attach Arch Bridge Wall to Collar as shown in Figure 9 (See Note A).

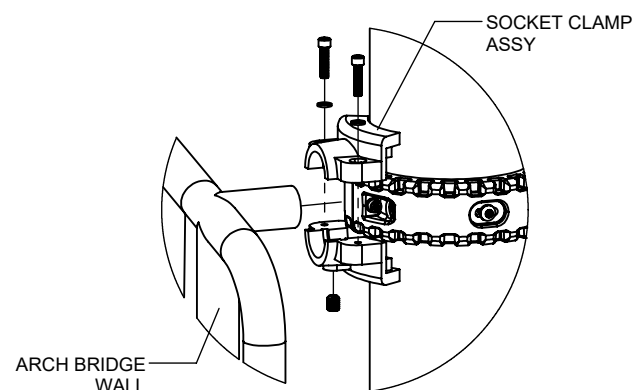


FIGURE 9

Step 10c

42" & 84" Versions Only

Attach Arch Bridge Wall to Collar as shown in Figure 10 (See Note A).

Step 11

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

Step 12

Place required protective surfacing under and around Arch Bridge. (See Note D)

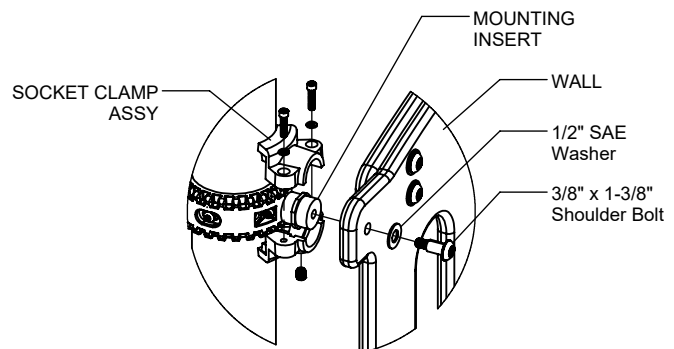


FIGURE 10

ARCH BRIDGE INSTALLATION INSTRUCTIONS

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Assembled Parts List

ARCH BRIDGE 42" R3.5		
Part #	DESCRIPTION	QTY
EG-8150	Arch Bridge Wall 42" R3.5	2
EG-8150-T	Arch Bridge Wall 42" R3.5 Trim	2
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	12
9333042	Washer Flat 3/8" x 7/8" O.D.	12
9345002	Washer Flat SAE 1/2"	12
9443022-TR	Nut Barrel 3/8" x 5/8" BH	12

ARCH BRIDGE 84" R3.5		
Part #	DESCRIPTION	QTY
EG-8148	Arch Bridge Wall 84" R3.5	2
EG-8148-TL	Arch Bridge Wall 84" R3.5 - Trim Left Side	2
EG-8148-TR	Arch Bridge Wall 84" R3.5 - Trim Right Side	2
FS-1502-R35	Arch Bridge Wall Stiffener 84" R3.5	2
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	16
9345002	Washer Flat SAE 1/2"	32
9443022-TR	Nut Barrel 3/8" x 5/8" BH	16

BOUY ARCH BRIDGE 45" R5		
Part #	DESCRIPTION	QTY
EE-0283	Arch Bridge Buoy Panel	2
FS-1501-R5BUY	Arch Bridge 45" Bouy Hand Rail R5	2
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	16
9413162-BLK	Nut Lock 3/8" w/ Black Cap	8

CIRCUS ARCH BRIDGE 90" R5		
Part #	DESCRIPTION	QTY
EE-0167	Arch Bridge Circus Panel	2
FS-1502-R5THM	Arch Bridge Wall Long R5 w/ MTS - Theme	2
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	16
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	32
9413162-BLK	Nut Lock 3/8" w/ Black Cap	16

Parts List

ARCH BRIDGE 42" R3.5		
Part #	DESCRIPTION	QTY
CG-8147	Arch Bridge 42 R35	1
GE-7015	Mounting Insert	4
HS-1001-R35	Socket Clamp Set R3.5	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9103082-TR	Bolt Button Head 3/8" x 1-3/4"	8
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	40
9345002	Washer Flat SAE 1/2"	4
9413002	Nut Lock 3/8"	20

ARCH BRIDGE 84" R3.5		
Part #	DESCRIPTION	QTY
CG-8144	Arch Bridge 84" R3.5	1
GE-7015	Mounting Insert	4
HS-1001-R35	Socket Clamp Set R3.5	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9103082-TR	Bolt Button Head 3/8" x 1-3/4"	14
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	52
9345002	Washer Flat SAE 1/2"	4
9413002	Nut Lock 3/8"	26

BOUY ARCH BRIDGE 45" R5		
Part #	DESCRIPTION	QTY
CF-7094	Arch Bridge 45	1
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	4
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	12
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
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	32
9345002	Washer Flat SAE 1/2"	8
9413002	Nut Lock 3/8"	16
9443092-TR	Nut Barrel 3/8" x 2" BH	4

CIRCUS ARCH BRIDGE 90" R5		
Part #	DESCRIPTION	QTY
CF-7093	Arch Bridge 90	1
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	16
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
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	32
9345002	Washer Flat SAE 1/2"	8
9413002	Nut Lock 3/8"	16
9443092-TR	Nut Barrel 3/8" x 2" BH	4



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Parts List

ARCH BRIDGE 45" R5		
Part #	DESCRIPTION	QTY
CF-7094	Arch Bridge 45	1
FS-1501-R45	Arch Bridge 45 H Rail	2
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	17
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
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	34
9345002	Washer Flat SAE 1/2"	8
9413002	Nut Lock 3/8"	17
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ARCH BRIDGE 45" R5 CANADA		
Part #	DESCRIPTION	QTY
CF-7094	Arch Bridge 45	1
FS-1501-R45	Arch Bridge 45 H Rail	2
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	16
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
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	32
9345002	Washer Flat SAE 1/2"	8
9413002	Nut Lock 3/8"	16
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ARCH BRIDGE 45" R5 TALL-JAPAN		
Part #	DESCRIPTION	QTY
CF-7094	Arch Bridge 45	1
FS-1501-R45-TALL-JPN	Arch Bridge 45 H Rail Tall - Japan	2
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	16
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
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	32
9345002	Washer Flat SAE 1/2"	8
9413002	Nut Lock 3/8"	16
9443092-TR	Nut Barrel 3/8" x 2" BH	4

STEEL ARCH BRIDGE 84" R3.5		
Part #	DESCRIPTION	QTY
CG-8144	Arch Bridge 84" R3.5	1
FS-1502-R35WALL	Steel Arch Bridge Wall 84" R3.5	2
GG-8110	Mounting Block 4 Top R3.5	8
GG-8111	Mounting Block 4 Bottom R3.5	8
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	12
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	8
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	8
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	24
9345002	Washer Flat SAE 1/2"	16
9413002	Nut Lock 3/8"	12
9443092-TR	Nut Barrel 3/8" x 2" BH	8

ARCH BRIDGE 90" R5		
Part #	DESCRIPTION	QTY
CF-7093	Arch Bridge 90	1
GF-7006-T	Mounting Block R5 Top	4
GF-7006-B	Mounting Block R5 Bottom	4
FS-1502-R90	Arch Bridge 90 H Rail	2
HS-1004-R5	R5 Collar Set	2
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	16
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
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	32
9345002	Washer Flat SAE 1/2"	8
9413002	Nut Lock 3/8"	16
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ARCH BRIDGE 90" R5 CANADA		
Part #	DESCRIPTION	QTY
CF-0052	Arch Bridge 90 CAN	1
FS-1502-R90	Arch Bridge 90 H Rail	2
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	16
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
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	32
9345002	Washer Flat SAE 1/2"	8
9413002	Nut Lock 3/8"	16
9443092-TR	Nut Barrel 3/8" x 2" BH	4



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Parts List

ARCH BRIDGE 90" R5 TALL JAPAN		
Part #	DESCRIPTION	QTY
CF-7093	Arch Bridge 90	1
FS-1502-R90-TALL-JPN	Arch Bridge 90 H Rail - Japan	2
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
HS-1004-R5	R5 Collar Set	2
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	16
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
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	32
9345002	Washer Flat SAE 1/2"	8
9413002	Nut Lock 3/8"	16
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ARCH BRIDGE 90" R5 XTALL JAPAN		
Part #	DESCRIPTION	QTY
CF-7093	Arch Bridge 90	1
FS-1502-R90-XTALL-JPN	Arch Bridge 90 H Rail - XTall Japan	2
GF-7006-B	Mounting Block R5 Bottom	4
GF-7006-T	Mounting Block R5 Top	4
HS-1004-R5	R5 Collar Set	2
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	16
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
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	32
9345002	Washer Flat SAE 1/2"	8
9413002	Nut Lock 3/8"	16
9443092-TR	Nut Barrel 3/8" x 2" BH	4

ARCH BRIDGE 120 R5		
Part #	DESCRIPTION	QTY
CF-0539	Arch Bridge 120" R5	2
FS-1502-R120	Arch Bridge 120" Wall R5	2
HS-1001-R5	Socket Clamp Set R5	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	18
9103082-TR	Bolt Button Head 3/8" x 1-3/4"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	44
9413002	Nut Lock 3/8"	22

ARCH BRIDGE 120 R5 XTALL JAPAN		
Part #	DESCRIPTION	QTY
CF-0539	Arch Bridge 120" R5	2
FS-1502-R120-XTALL-JPN	Arch Bridge 120" Wall R5 Extra Tall - Japan	2
HS-1001-R5	Socket Clamp Set R5	4
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	18
9103082-TR	Bolt Button Head 3/8" x 1-3/4"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	44
9413002	Nut Lock 3/8"	22

Specifications

ARCH BRIDGE:

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

ARCH BRIDGE RAILS:

Shall be fabricated using 1.660 O.D. 11 gauge steel tubing, 1.315" O.D. 12 gauge steel tubing and 1.029" O.D. 14 gauge steel tubing with 1/4" HR Steel and 10ga HR Steel mounting brackets and will have a multi-stage baked-on powder coat finish.

ARCH BRIDGE WALL AND TRIM:

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

ARCH BRIDGE WALL STIFFENER:

Shall be made from 1-1/4" HR flat bar and 3/8" HR steel and will have a multi-stage baked-on powder coat finish.

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.

