

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.

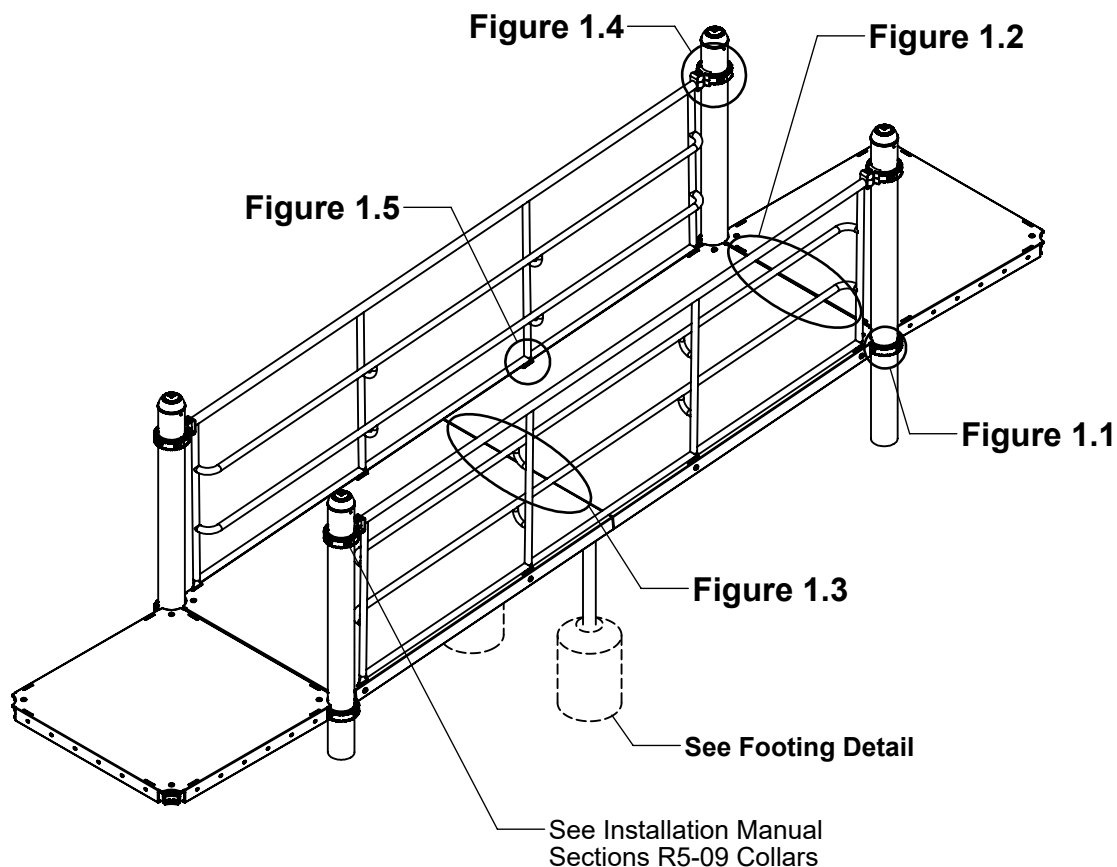
(B) Do not pour concrete until the equipment is completely assembled, leveled and plumbed. Concrete must be allowed to cure completely before using the equipment (at least 72 hours).

(C) Refer to Installation Manual for R5-09 Collars assembly 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.

(E) The Gap Between the Top of the Ramp and the Bottom of the Wall should be no more than 1". Please refer to the Footing Detail View.

FIGURE 1
Ramp R5



NOTE: Ramp w/ Rails shown R5.
Other configurations will vary slightly,
but does not affect assembly.

Step 1

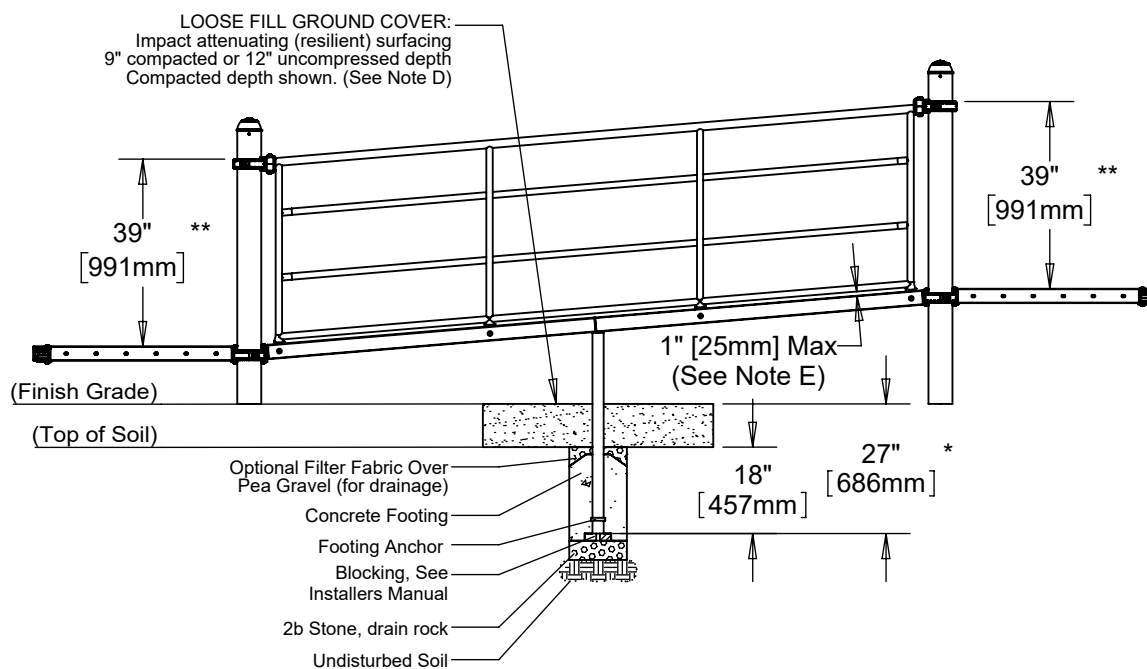
Refer to Footing Layout and mark footing hole locations. Dig (2) Ø 12" footing holes. Refer to Footing Detail for depth and details.

IMPORTANT: For areas with soft soil conditions, larger footings may be required. Additionally, half foot deck heights will require 6" deeper footing holes.

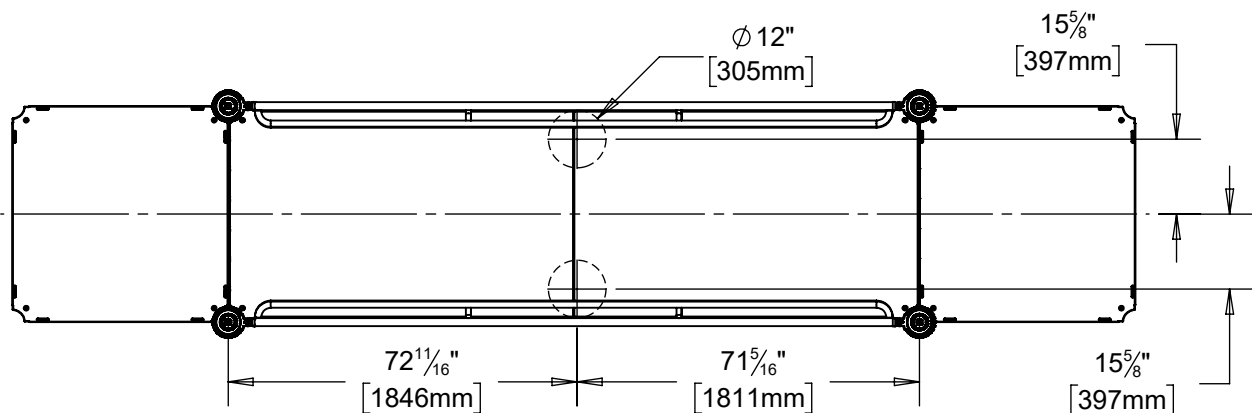
* Footing depth must be adjusted to compensate for the depth/thickness requirements of selected safety surfacing. See Section 06.1 of the Installation Manual.

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

Elevation View - Footing Detail



Top View - Footing Layout



Step 2 (Factory Assembled)

For Sensory Ramp and Platform Only

Attach Insert to Wall as shown in Figure 2.
(See Note A)

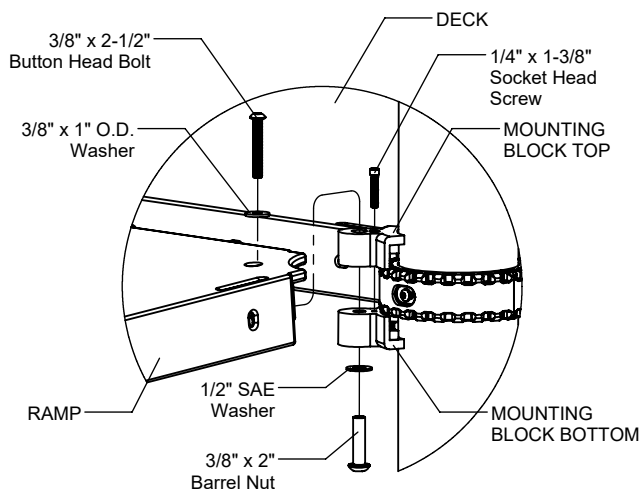


Figure 1.1

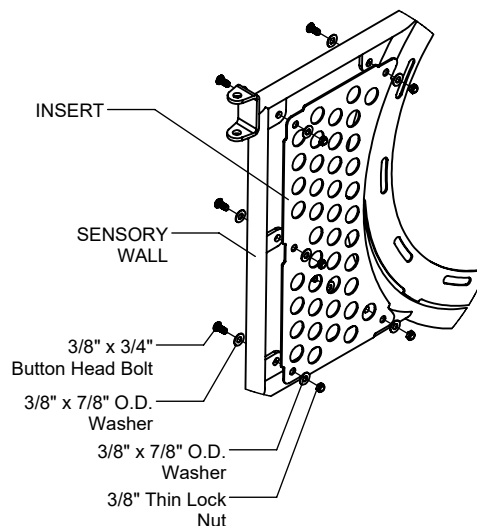


FIGURE 2

Step 3

Attach Ramps to posts as shown in Figure 1.1.
(See Note A)

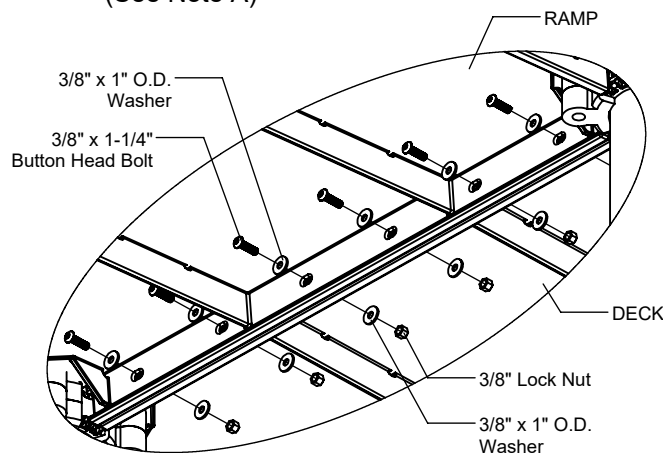


Figure 1.2

Step 4

Attach Ramp to Deck as shown in Figure 1.2.
(See Note A)

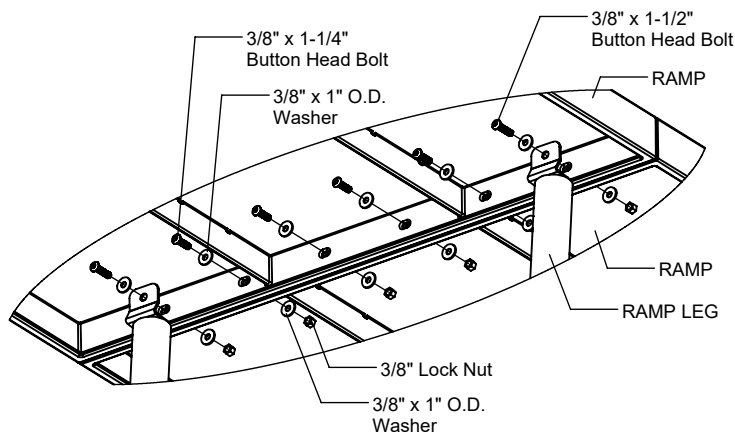


Figure 1.3

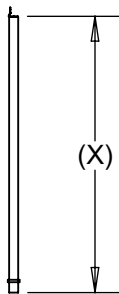
Step 5

Insert Ramp Legs into footing holes. Attach Ramps and Ramp Legs as shown in Figure 1.3.
(See Note A)

NOTE: Use Ramp Legs that correspond to deck heights. See Ramp Leg I.D. Table.

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RAMP LEG I.D. TABLE		
Upper Deck Height	Ramp Leg Length (X)	Flat Ramp Leg Length (X)
12"	30" [761mm]	36" [914mm]
18" - 24"	42" [1066mm]	48" [1218mm]
30" - 36"	54" [1371mm]	60" [1520mm]
42" - 48"	66" [1675mm]	72" [1828mm]
54" - 60"	78" [1977mm]	84" [2133mm]
66" - 72"	90" [2285mm]	96" [2438mm]

Step 6

Attach Collars at heights shown in Elevation View.
(See Note A)

Step 7

Attach Rail to Post as shown in Figure 1.4.
(See Note A)

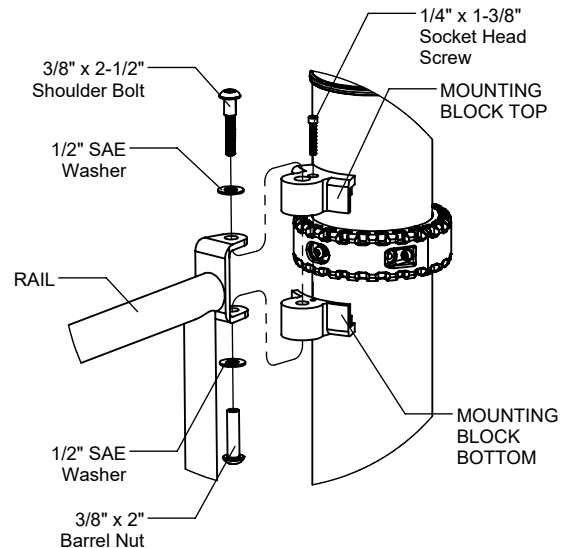


Figure 1.4

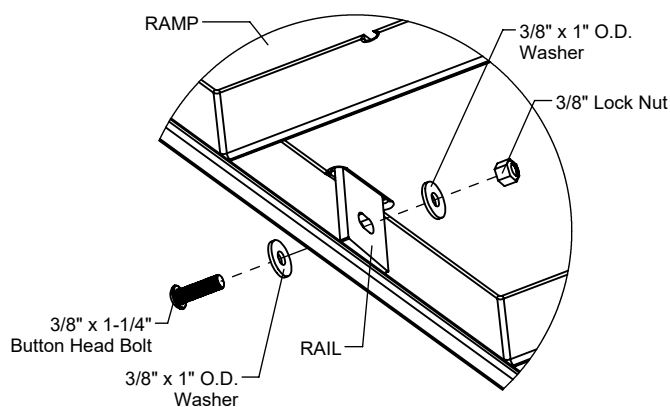


Figure 1.5

Step 8

Attach Rail to Ramp as shown in Figure 1.5.
(See Notes A & E)

Step 9

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

Step 10

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 11

Place required protective surfacing under and
around Ramp R5. (See Note D)



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Parts List

FLAT RAMP w/ RAILS		
Part #	DESCRIPTION	QTY
CF-7126	R5 Ramp	2
FS-1208-LEGFLT	Flat Ramp Leg R5	2
FS-1208-RRLFLAT	Flat Ramp Rail 12' R5	2
GF-7006-B	Mounting Block R5 Bottom	8
GF-7006-T	Mounting Block R5 Top	8
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	24
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
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	56
9345002	Washer Flat SAE 1/2"	12
9413002	Nut Lock 3/8"	26
9443092-TR	Nut Barrel 3/8" x 2" BH	8

RAMP w/ RAILS R5 - GROUND TO DECK		
Part #	DESCRIPTION	QTY
CF-7126	R5 Ramp	2
FS-1208-LEG	Ramp Leg R5	2
FS-1208-RL12FT-L	Ramp Rail 12' R5 Left	1
FS-1208-RL12FT-R	Ramp Rail 12' R5 Right	1
GF-7006-B	Mounting Block R5 Bottom	8
GF-7006-T	Mounting Block R5 Top	8
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	18
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
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	44
9345002	Washer Flat SAE 1/2"	12
9413002	Nut Lock 3/8"	20
9443092-TR	Nut Barrel 3/8" x 2" BH	8

RAMP w/ RAILS R5 - DECK TO DECK		
Part #	DESCRIPTION	QTY
CF-7126	R5 Ramp	2
FS-1208-LEG	Ramp Leg R5	2
FS-1208-RL12FT-L	Ramp Rail 12' R5 Left	1
FS-1208-RL12FT-R	Ramp Rail 12' R5 Right	1
GF-7006-B	Mounting Block R5 Bottom	8
GF-7006-T	Mounting Block R5 Top	8
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	24
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
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	56
9345002	Washer Flat SAE 1/2"	12
9413002	Nut Lock 3/8"	26
9443092-TR	Nut Barrel 3/8" x 2" BH	8

Parts List

FLAT RAMP w/ WALLS		
Part #	DESCRIPTION	QTY
CF-7126	R5 Ramp	2
FS-1208-LEGFLT	Flat Ramp Leg R5	2
FS-1208-RWLFLAT	Flat Ramp Wall 12' R5	2
GF-7006-B	Mounting Block R5 Bottom	8
GF-7006-T	Mounting Block R5 Top	8
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	24
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
9281062-5-TR	Screw Soc HD 1/4" x 1-3/8"	8
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9413002	Nut Lock 3/8"	26
9443092-TR	Nut Barrel 3/8" x 2" BH	8

RAMP w/ WALLS R5 - GROUND TO DECK		
Part #	DESCRIPTION	QTY
CF-7126	R5 Ramp	2
FS-1208-LEG	Ramp Leg R5	2
FS-1208-RW12FT-L	Ramp Wall 12' R5 Left	1
FS-1208-RW12FT-R	Ramp Wall 12' R5 Right	1
GF-7006-B	Mounting Block R5 Bottom	8
GF-7006-T	Mounting Block R5 Top	8
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	18
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
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	44
9345002	Washer Flat SAE 1/2"	12
9413002	Nut Lock 3/8"	20
9443092-TR	Nut Barrel 3/8" x 2" BH	8

RAMP w/ WALLS R5 - DECK TO DECK		
Part #	DESCRIPTION	QTY
CF-7126	R5 Ramp	2
FS-1208-LEG	Ramp Leg R5	2
FS-1208-RW12FT-L	Ramp Wall 12' R5 Left	1
FS-1208-RW12FT-R	Ramp Wall 12' R5 Right	1
GF-7006-B	Mounting Block R5 Bottom	8
GF-7006-T	Mounting Block R5 Top	8
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	24
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	4
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9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	56
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Parts List

SENSORY PLATFORM R5		
Part #	DESCRIPTION	QTY
CF-7126	R5 Ramp	2
FS-1208-LEGFLT	Flat Ramp Leg R5	2
GF-7006-B	Mounting Block R5 Bottom	8
GF-7006-T	Mounting Block R5 Top	8
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	24
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
9103112-TR	Bolt Button Head 3/8" x 2-1/2"	4
9143112-TR	Bolt Shoulder 3/8" x 2-1/2" BH	4
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	56
9345002	Washer Flat SAE 1/2"	12
9413002	Nut Lock 3/8"	26
9443092-TR	Nut Barrel 3/8" x 2" BH	8

SENSORY RAMP R5 - GROUND TO DECK		
Part #	DESCRIPTION	QTY
CF-7126	R5 Ramp	2
FS-1208-LEG	Ramp Leg R5	2
GF-7006-B	Mounting Block R5 Bottom	8
GF-7006-T	Mounting Block R5 Top	8
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	18
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
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Part #	DESCRIPTION	QTY
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GF-7006-B	Mounting Block R5 Bottom	8
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9103062-TR	Bolt Button Head 3/8" x 1-1/4"	24
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9345002	Washer Flat SAE 1/2"	12
9413002	Nut Lock 3/8"	26
9443092-TR	Nut Barrel 3/8" x 2" BH	8

Assembled Parts List

SENSORY PLATFORM R5		
Part #	DESCRIPTION	QTY
AF-1220-L	Sensory Ramp Insert Large	2
AF-1221-L	Sensory Platform Insert Large	2
AF-1221-S	Sensory Platform Insert Small	2
FS-1208-SP12	Sensory Platform Wall	2
9103032-TR	Bolt Button Head 3/8" x 3/4"	48
9333042	Washer Flat 3/8" x 7/8" O.D.	96
9423002	Nut Lock Thin 3/8"	48

SENSORY RAMP R5		
Part #	DESCRIPTION	QTY
AF-1220-L	Sensory Ramp Insert Large	2
AF-1220-S	Sensory Ramp Insert Small	4
FS-1208-SR12-L	Sensory Ramp Wall - Left	1
FS-1208-SR12-R	Sensory Ramp Wall - Right	1
9103032-TR	Bolt Button Head 3/8" x 3/4"	48
9333042	Washer Flat 3/8" x 7/8" O.D.	96
9423002	Nut Lock Thin 3/8"	48



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Specifications

RAMP R5:

Shall be fabricated using 12 gauge sheet steel punched and formed with reinforcing cross members and gussets and shall be Play-Tuff™ coated after fabrication.

RAIL SET R5:

Shall consist of a 1.660" O.D. 11 gauge top rail welded to 1/4" steel mounting clevises with 1.315" O.D. 12 gauge bottom rails, vertical rails and handrails. Handrails shall be attached to vertical rails with 1.029" O.D. 14 gauge handrail standoffs and will have a multi-stage baked-on powder coat finish.

WALL SET R5:

Shall consist of a 1.660" O.D. 11 gauge top rail welded to 1/4" steel mounting clevises with 1.315" O.D. 12 gauge bottom rails, vertical rails and handrails. Handrails shall be attached to vertical rails with 1.029" O.D. 14 gauge handrail standoffs. Vertical rungs shall be evenly spaced 1.029" O.D. 14 gauge steel tubing and will have a multi-stage baked-on powder coat finish.

SENSORY WALL SET:

Shall consist of 1.315" O.D. 11 gauge and 1.029" O.D. 14 gauge rails welded to 1/4" steel mounting clevises and tabs and will have a multi-stage baked-on powder coat finish.

RAMP LEG:

Shall consist of 2.375" O.D. 11 gauge steel tubing welded to a 10 gauge steel mounting bracket and a 5/8" round steel footing anchor and will have a multi-stage baked-on powder coat finish.

SENSORY PLATFORM INSERT:

Shall be precision cut from 12 gauge sheet steel and will 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 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.