

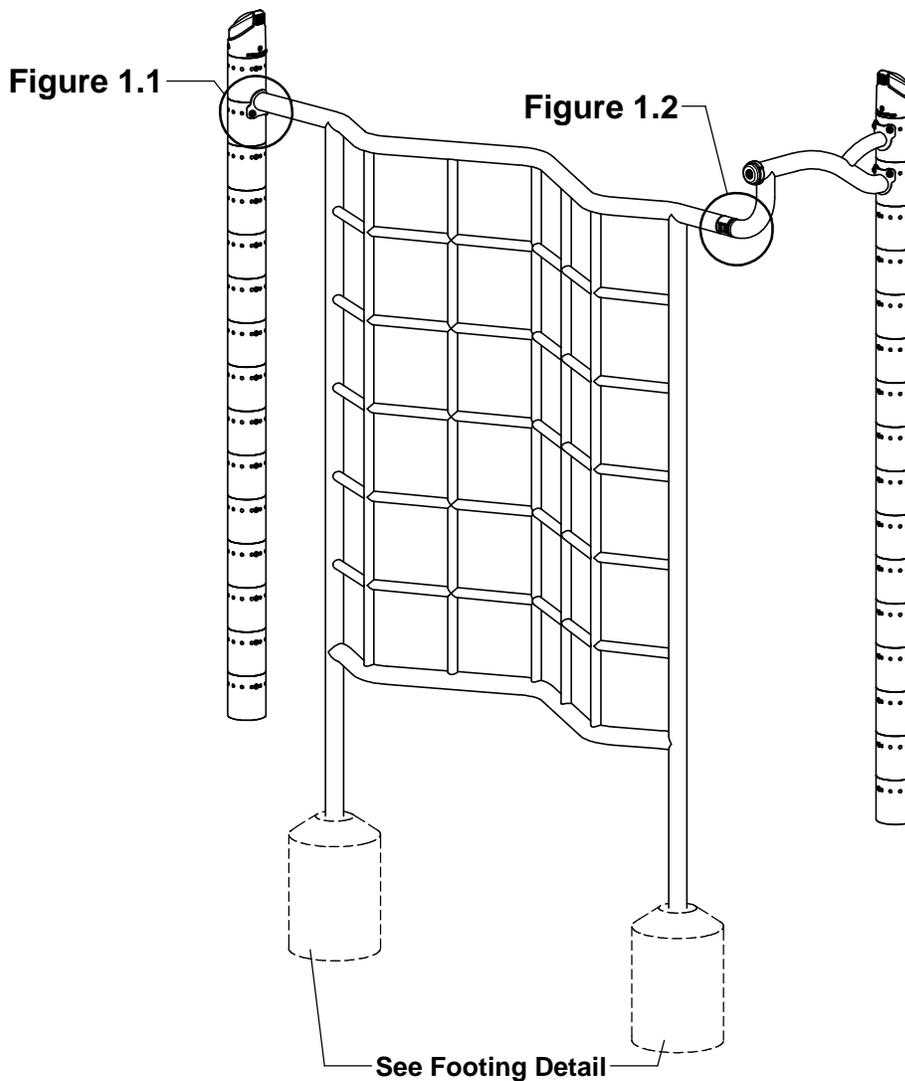
IMPORTANT NOTES: Read First

(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) 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
Warp Rung Wall**



NOTE: Warp Rung Wall attached from Post to Arm Mount shown. Other configurations will vary slightly, but does not affect assembly.

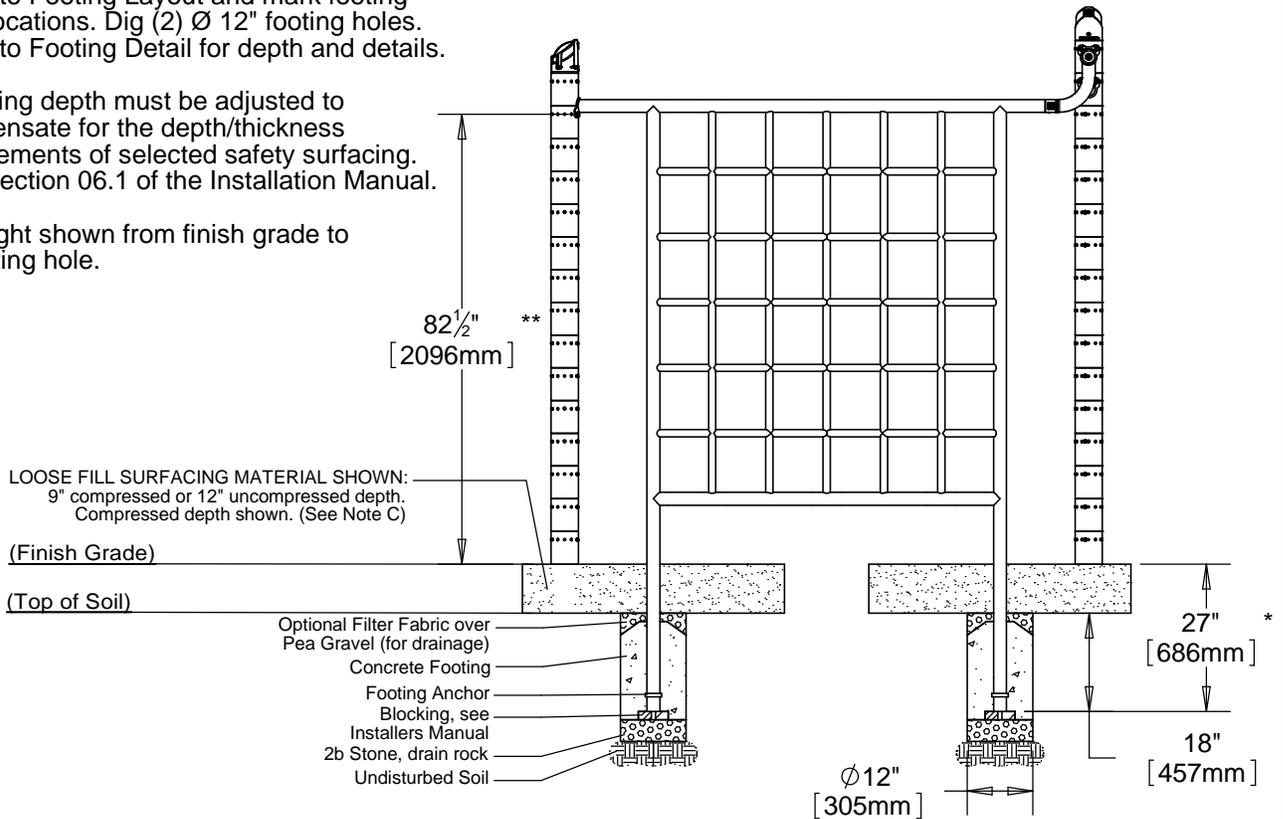
Step 1

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

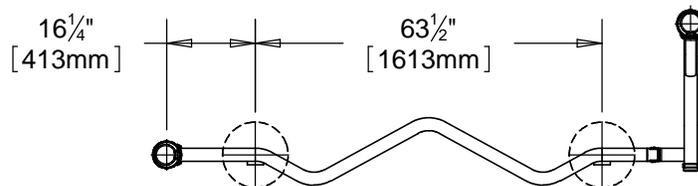
* Footing depth must be adjusted to compensate for the depth/thickness requirements of selected safety surfacing. See Section 06.1 of the Installation Manual.

** Height shown from finish grade to mounting hole.

Footing Detail



Top View - Footing Layout



Step 2

Place Warp Rung Wall into footing holes.

Step 3

For Beam To Post Connection

Refer to Footing Detail and remove required post plugs.
Attach Warp Rung Wall as shown in Figure 1.1.
(See Notes A & B)

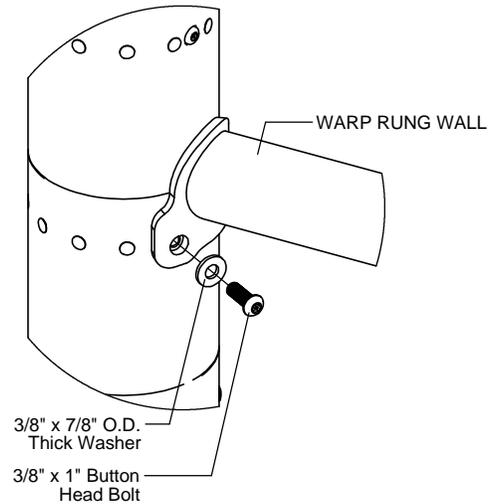


Figure 1.1

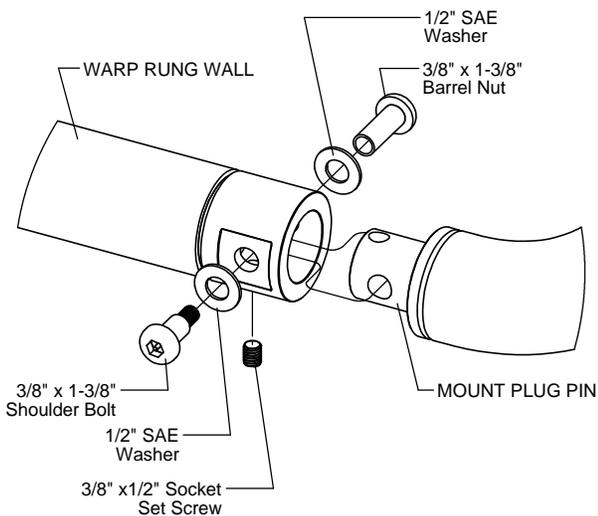


Figure 1.2

Step 4

For Beam To Pin Connection

Locate and Attach Warp Rung Wall as shown in Figure 1.2. (See Notes A & B)

Step 5

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

Step 6

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 7

Place required protective surfacing under and around Warp Rung Wall. (See Note C)

Parts List

S-1968-RV		
Part #	DESCRIPTION	QTY
FS-1968-RV	Warp Rung Wall RV	1
4-9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	4
9103052-TR	Bolt Button Head 3/8" x 1"	4

S-1968-1RV		
Part #	DESCRIPTION	QTY
FS-1968-1RV	Warp Rung Wall 1 Mount RV	1
4-9339042	Washer Flat 3/8" x 7/8" O.D. x .100" Thick	2
9103052-TR	Bolt Button Head 3/8" x 1"	2
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	1
9263012-TR	3/8" x1/2" Socket Set Screw	1
9345002	Washer Flat SAE 1/2"	2
9443062-TR	Nut Barrel 3/8" x 1-3/8"	1

S-1968-2RV		
Part #	DESCRIPTION	QTY
FS-1968-2RV	Warp Rung Wall 2 Mount RV	1
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	2
9263012-TR	3/8" x1/2" Socket Set Screw	2
9345002	Washer Flat SAE 1/2"	4
9443062-TR	Nut Barrel 3/8" x 1-3/8"	2

Specifications

WARP RUNG WALL RV:

Shall be fabricated using 2.375" O.D. 11 gauge steel tubing with welded 1.315" O.D. 12 gauge steel rungs and 1/4" thick stainless steel mounting brackets. The Warp Rung Wall RV shall have a multi-stage baked-on powder coat finish.

WARP RUNG WALL 1 MOUNT RV:

Shall be fabricated using 2.375" O.D. 11 gauge steel tubing with welded 1.315" O.D. 12 gauge steel rungs, and 1/4" thick stainless steel mounting bracket and stainless steel housing. The Warp Rung Wall 1 Mount RV shall have a multi-stage baked-on powder coat finish.

WARP RUNG WALL 2 MOUNT RV:

Shall be fabricated using 2.375" O.D. 11 gauge steel tubing with welded 1.315" O.D. 12 gauge steel rungs and stainless steel housings. The Warp Rung Wall 2 Mount RV shall 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.

