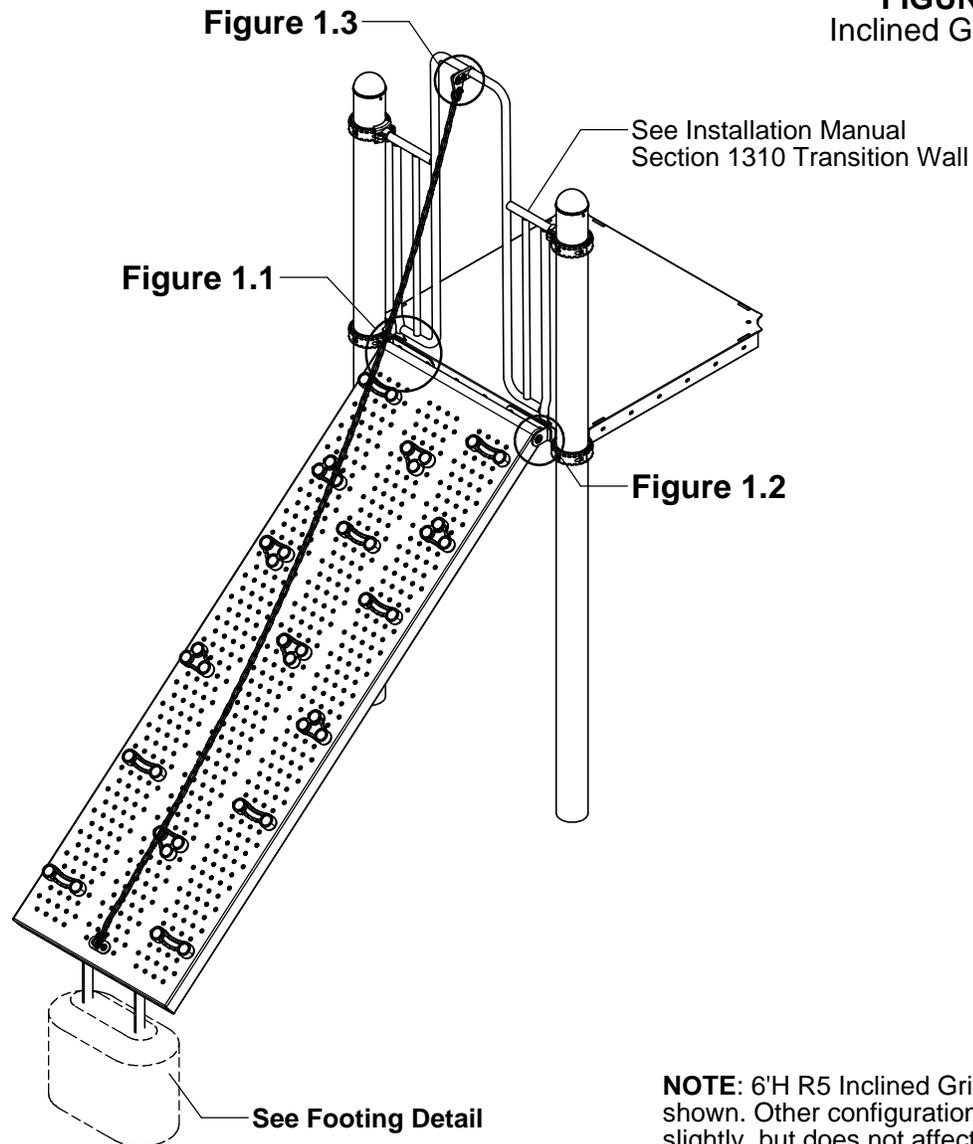


**IMPORTANT NOTES: Read First**

- (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 1310 Transition 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](http://www.cpsc.gov) for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.

**FIGURE 1**  
Inclined Grip Wall



**NOTE:** 6'H R5 Inclined Grip Wall shown. Other configurations will vary slightly, but does not affect assembly.

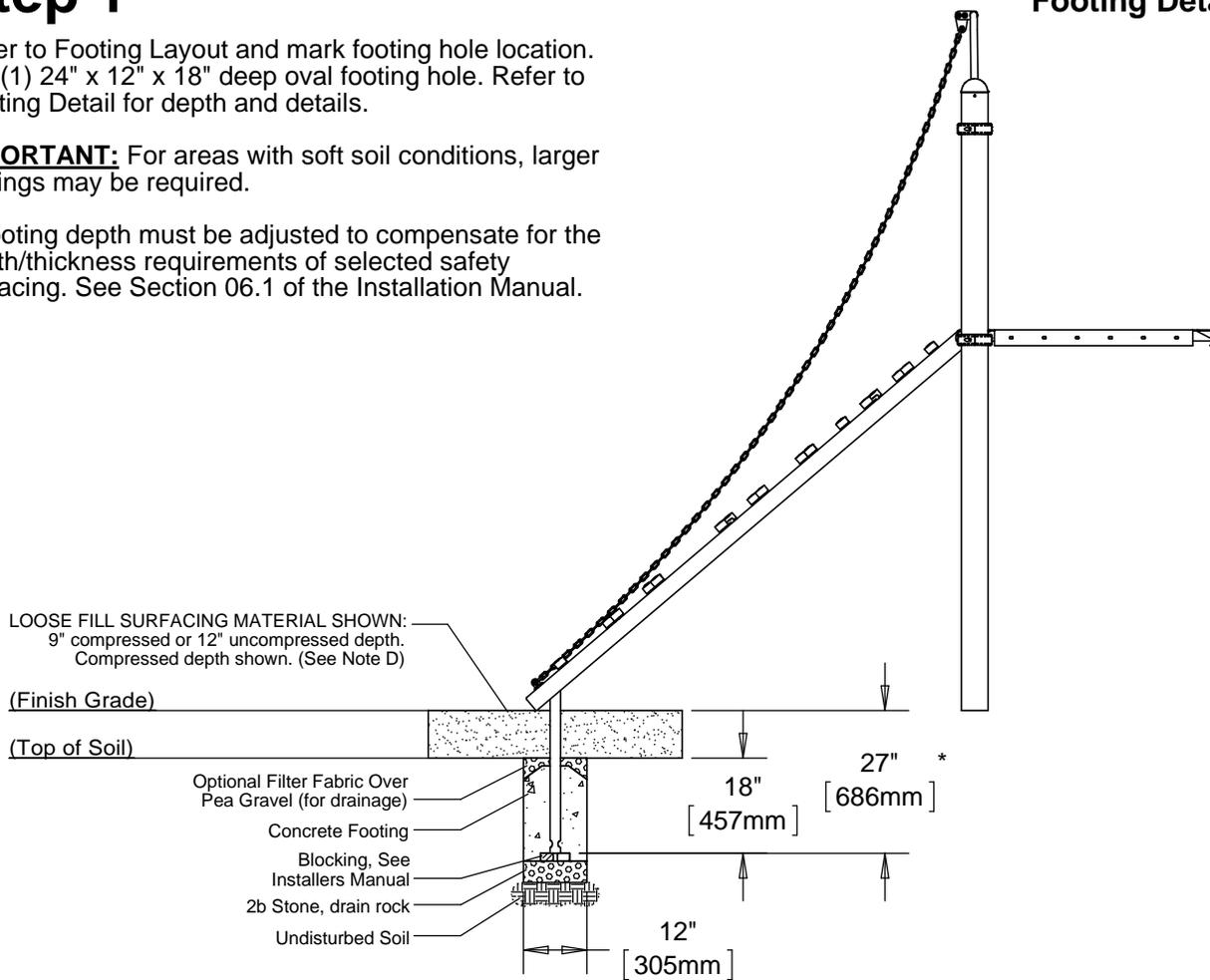
## Step 1

Refer to Footing Layout and mark footing hole location. Dig (1) 24" x 12" x 18" deep oval footing hole. Refer to Footing Detail for depth and details.

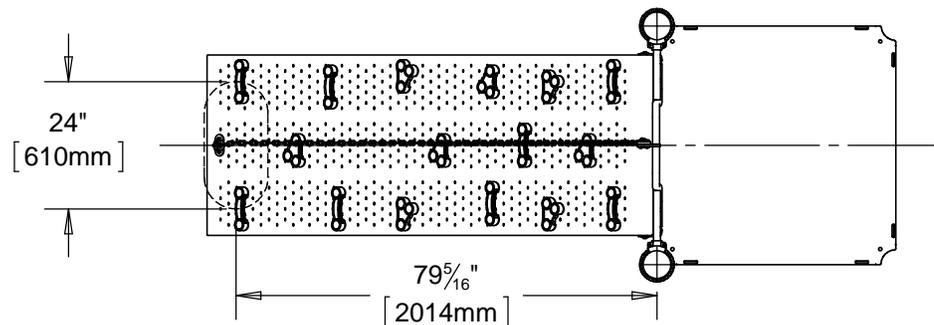
**IMPORTANT:** For areas with soft soil conditions, larger footings may be required.

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

### Footing Detail

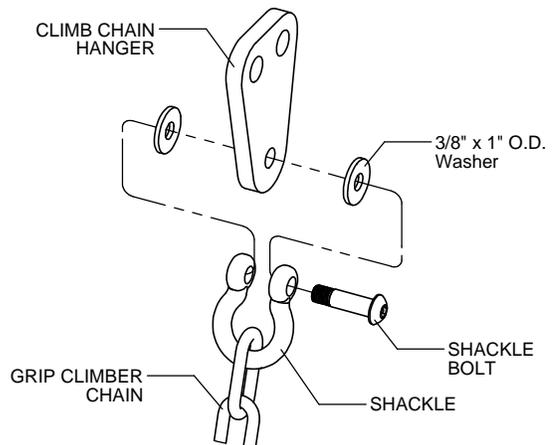


### Top View - Footing Layout

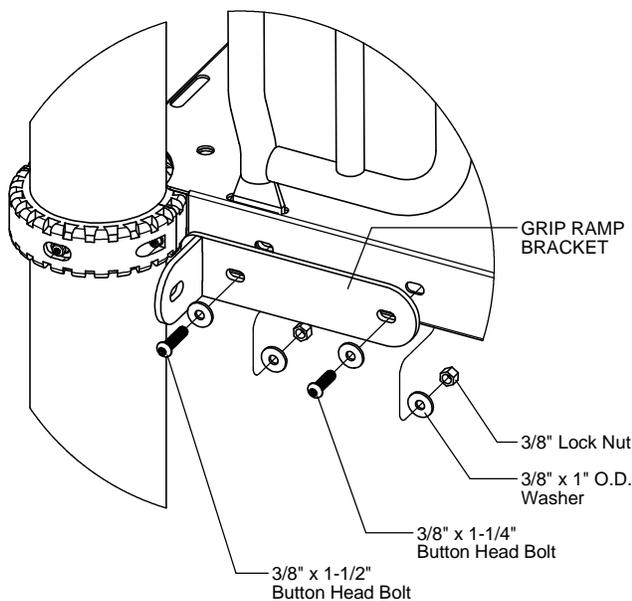


## Step 2 (Factory Assembled)

Attach Climb Chain Hanger to Grip Climb Wall Chain as shown in Figure 2. (See Note A)



**FIGURE 2**



**Figure 1.1**

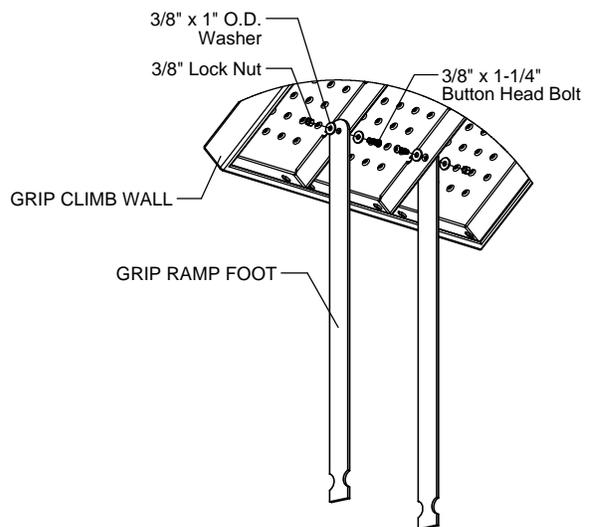
## Step 3

Using Grip Climb Wall as a guide, position and attach Grip Ramp Brackets and Transition Wall to deck as shown in Figure 1.1. (See Notes A & C)

**NOTE:** Use (2) 3/8" x 1-1/2" Button Head Bolts included with Inclined Grip Wall assembly.

## Step 4

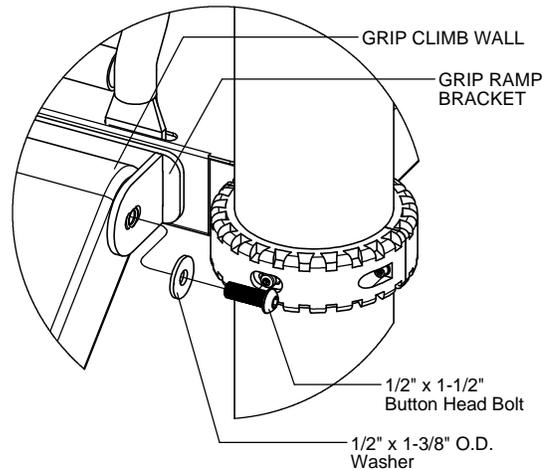
Attach Grip Ramp Feet to Grip Climb Wall as shown in Figure 3 and place into footing hole. (See Notes A & B)



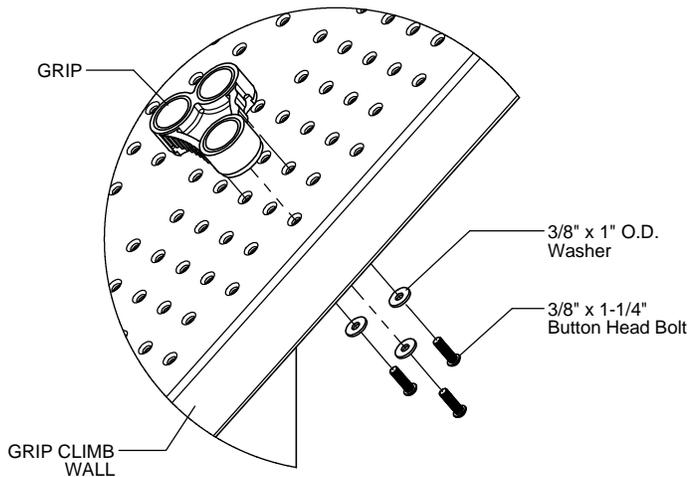
**FIGURE 3**

## Step 5

Attach Grip Climb Wall to Grip Ramp Brackets as shown in Figure 1.2. (See Note A)



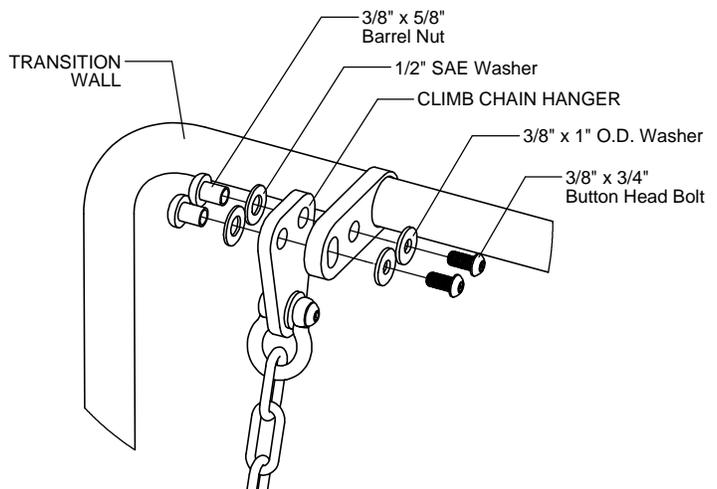
**Figure 1.2**



**FIGURE 4**

## Step 6

Locate Grips as desired and attach to Grip Climb Wall as shown in Figure 4. (See Note A)



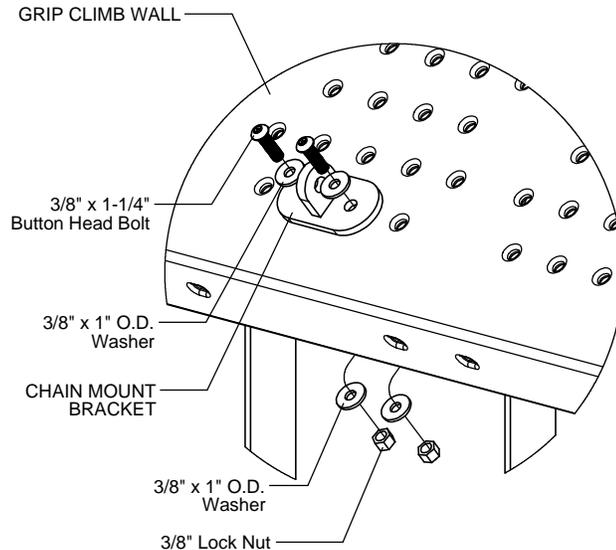
**Figure 1.3**

## Step 7

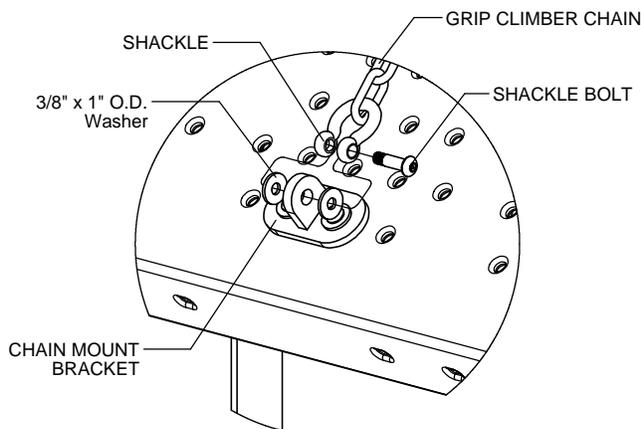
Attach Climb Chain Hanger to Transition Wall as shown in Figure 1.3. (See Note A)

## Step 8

Attach Chain Mount Bracket Plate to Grip Climb Wall as shown in Figure 5. (See Note A)



**FIGURE 5**



**FIGURE 6**

## Step 9

Attach Grip Climb Chain to Chain Mount Bracket Plate as shown in Figure 6. (See Note A)

## Step 10

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

## Step 11

Plumb and level entire component. Pour concrete into footing hole. Allow at least 72 hours to cure before using this equipment. (See Note B)

## Step 12

Place required protective surfacing under and around Inclined Grip Wall. (See Note D)

## Parts List

Part #	DESCRIPTION	QTY.
AE-4047	Grip Ramp Foot 3	2
CE-0336	Incline Grip Climb Wall 60" - 72"	1
FS-1214-BRKT	Grip Ramp Bracket	2
FS-1214-CMB	Chain Mount Bracket	1
GE-4152	Ramp Grip 2-Hole	8
GE-4190	Ramp Grip 3-Hole	8
451161-SS	Swing Shackle - Stainless Steel	1
9103032-TR	Bolt Button Head 3/8" x 3/4"	2
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	46
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	2
9105072	Bolt Button Head 1/2" x 1-1/2"	2
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	60
9335062-5	Washer Flat 1/2" x 1-3/8" OD	2
9345002	Washer Flat SAE 1/2"	2
9413002	Nut Lock 3/8"	8
9443022-TR	Nut Barrel 3/8" x 5/8" BH	2

## Assembled Parts List

Part #	DESCRIPTION	QTY.
AE-4340	Climb Chain Hanger	1
HE-0034	Inclined Grip Climb Wall Chain	1
451161-SS	Swing Shackle - Stainless Steel	1
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	2

## Specifications

### CHAIN MOUNT BRACKET:

Shall be laser-cut 1/4" thick steel with welded 3/8" thick steel tab. The Chain Mount Bracket shall have a multi-stage baked-on powder coat finish.

### CLIMB CHAIN HANGER:

Shall be laser-cut 3/8" thick plate steel. The Climb Chain Hanger shall have clear zinc plating.

### GRIP CLIMB WALL:

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

### GRIP CLIMB WALL CHAIN:

Shall be 5/0 galvanized low-carbon steel chain with silver shield finish. The Grip Climb Wall Chain shall be Play-Tuff™ coated.

### GRIP RAMP BRACKET:

Shall be two part laser-cut and welded 1/4" steel. The Grip Ramp Bracket shall have a multi-stage baked-on powder coat finish.

### GRIP RAMP FOOT:

Shall be laser-cut from 1/4" steel. The Grip Ramp Foot shall have a multi-stage baked-on powder coat finish.

### RAMP GRIPS:

Shall be precision die-cast from a high strength aluminum alloy. The Ramp Grips shall have a thermoplastic coating.

### 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.

