

## 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.

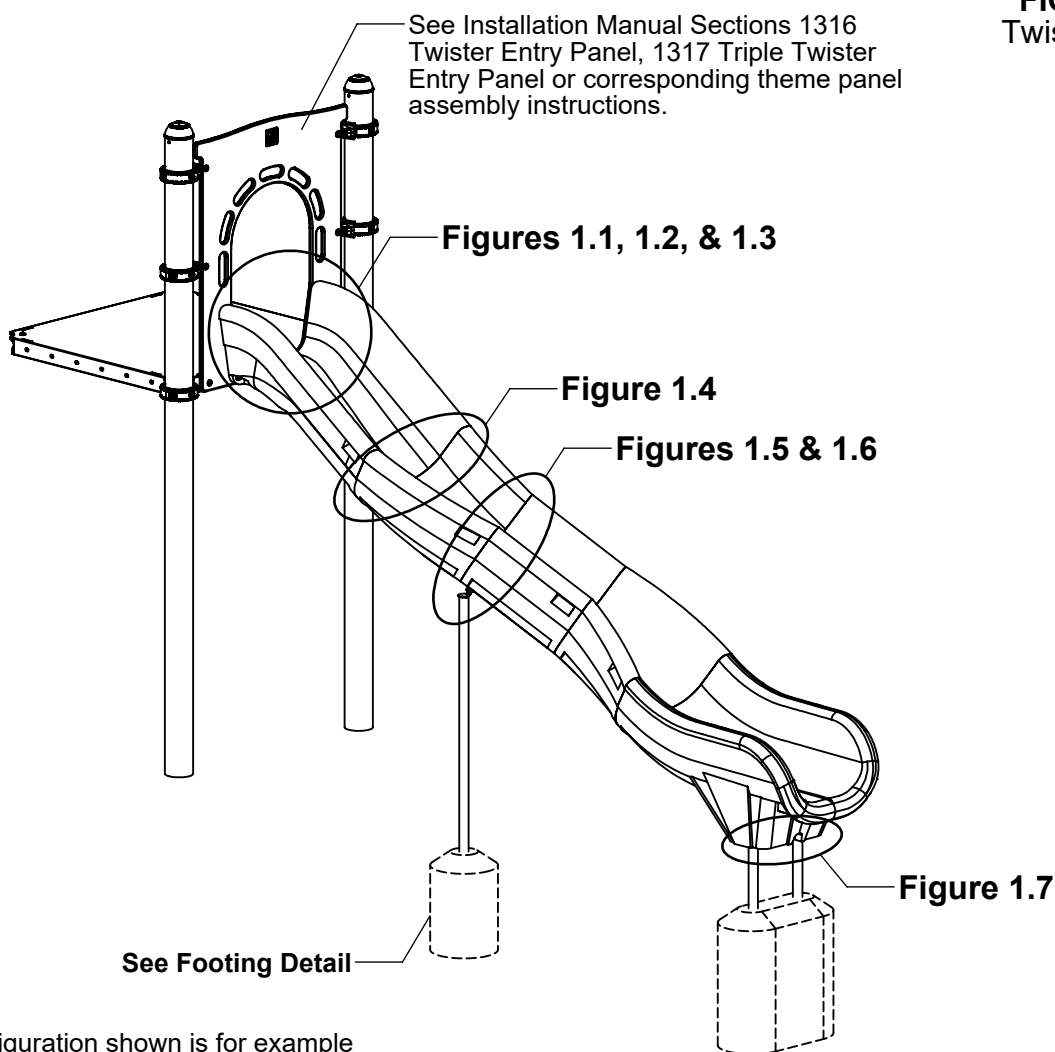
(B) Do not pour concrete until the equipment is completely assembled, leveled and plumbed. Concrete must be allowed to cure completely before using the equipment (at least 72 hours).

(C) Refer to Installation Manual for 1316 Twister Entry Panel, 1317 Triple Twister Entry Panel assembly instructions or corresponding theme panel assembly instructions.

(D) Use appropriate compliant protective surfacing and adjust footing depths accordingly. 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.

(E) Exit height must be between 7" [180mm] and 15" [380mm] from finish grade for slides with an elevation greater than 48". For slide elevations no greater than 48", the exit height shall be no greater than 11". Exit region must also have a downward slope of 0 to 4°.

**FIGURE 1**  
**Twister Slide**



**NOTE:** Configuration shown is for example only. Other configurations will vary slightly, but does not affect the assembly.

## Step 1

Refer to structure Top View and Step 5 to determine footing locations. Dig (1) Ø12" footing hole for each Slide Support and (1) 12"x24" oblong footing hole for each Exit Leg. Refer to Footing Detail for depth and details.

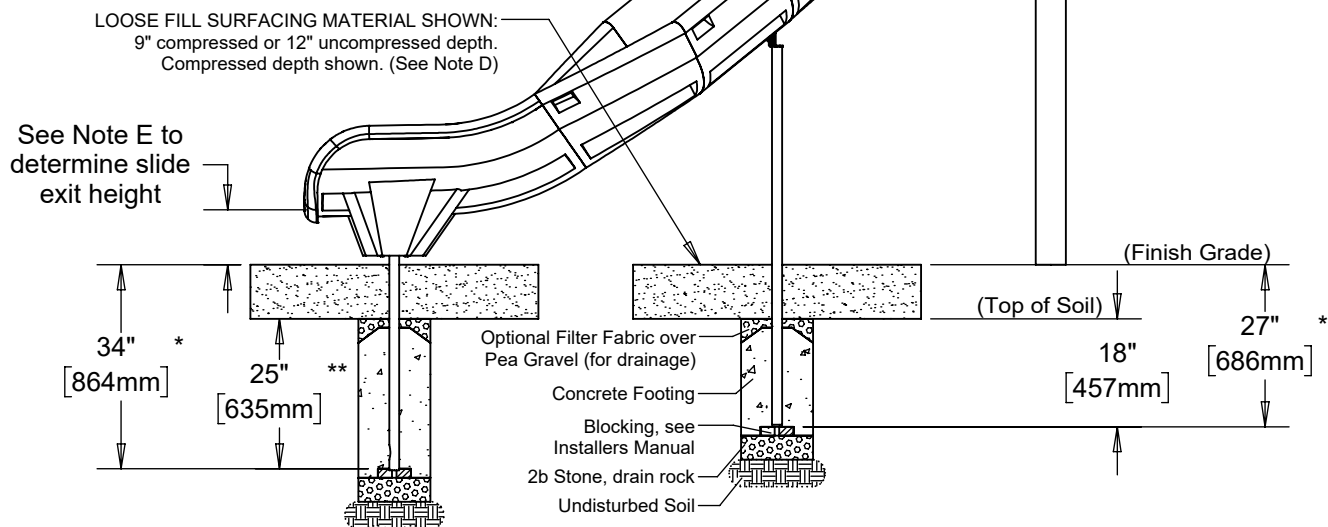
**IMPORTANT:** For areas with soft soil conditions, larger footings may be required.

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

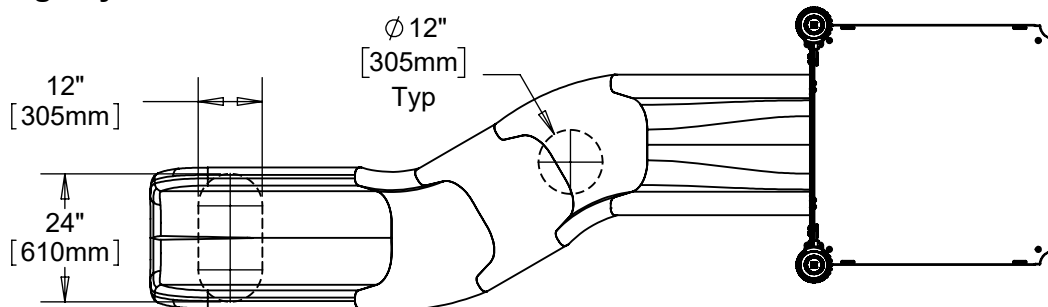
\*\*Adjust footing depth with blocking to meet required exit height. (See Note E)

## Step 2

Attach Entry Panel to deck and posts. (See Note C)

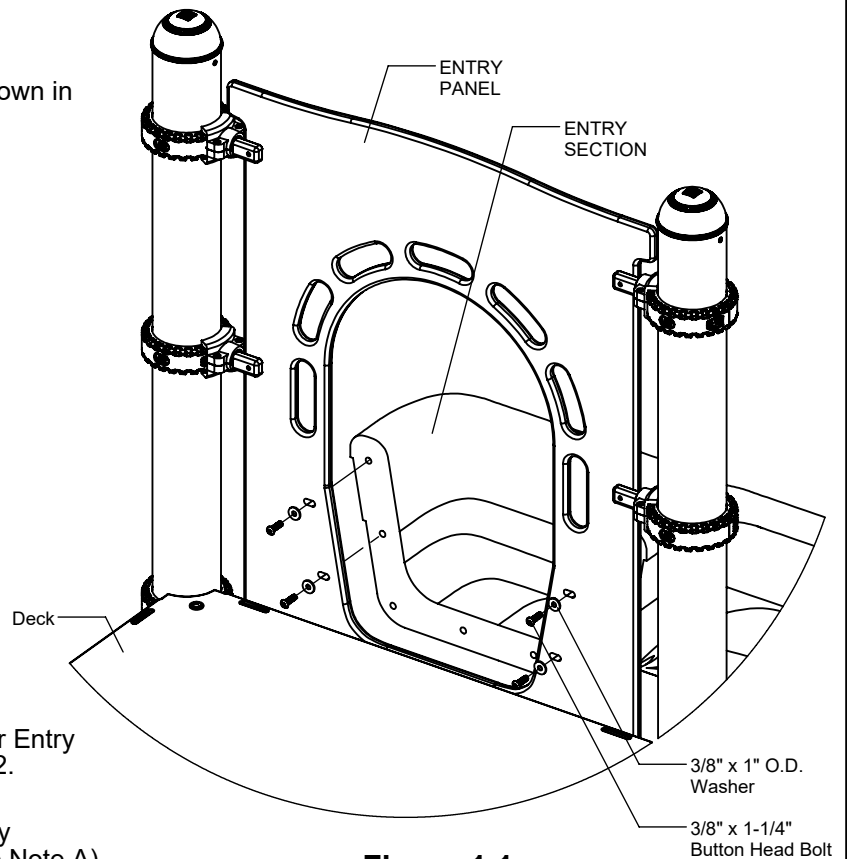


## Top View - Footing Layout



## **Step 3**

Attach Entry Section(s) to Entry Panel as shown in Figure 1.1. (See Note A)

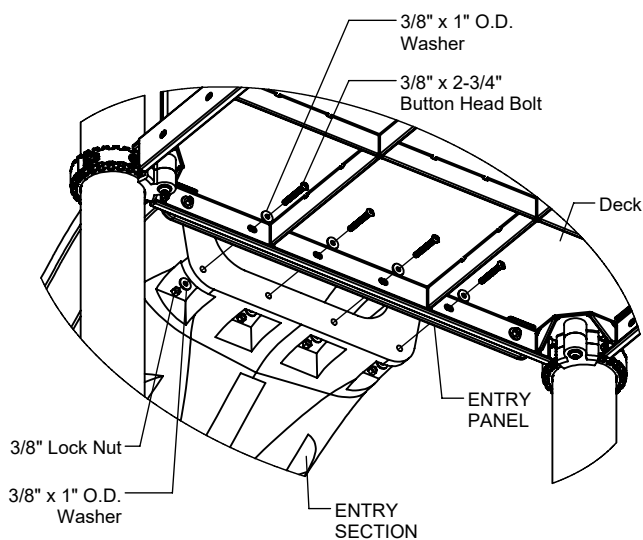


**Figure 1.1**

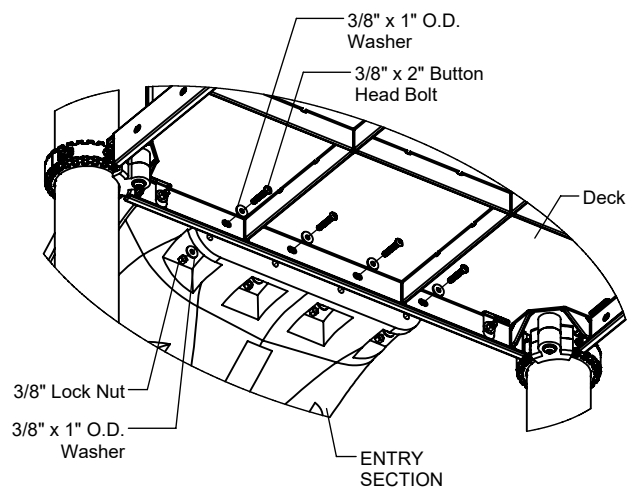
## **Step 4**

For Entry Sections including all Triple Twister Entry Panels use the hardware shown in Figure 1.2. (See Note A)

For Single Canada Entry Panels, attach Entry Section to deck as shown in Figure 1.3. (See Note A)



**Figure 1.2**

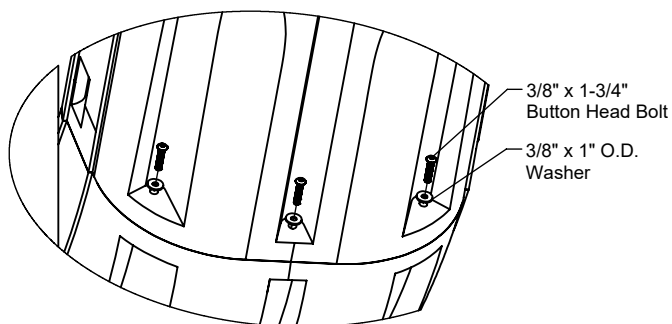


**Figure 1.3**

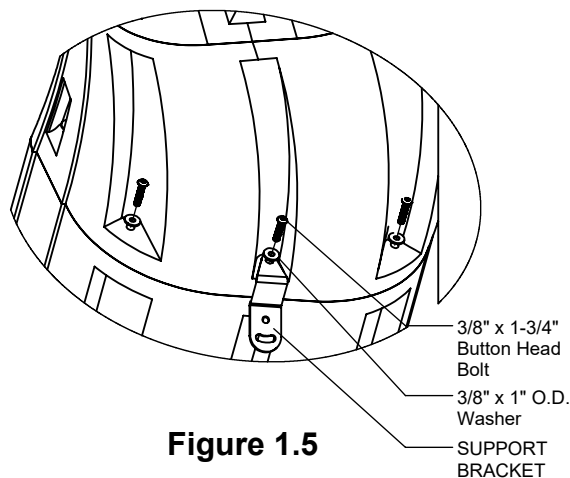
## **Step 5**

Attach sections together as shown in Figure 1.4. Refer to structure Top View for configuration and support location. For section joints where Support Bracket is attached, see Figure 1.5. (See Note A)

Determine footing center location by dropping plumb bob from Support Bracket(s).



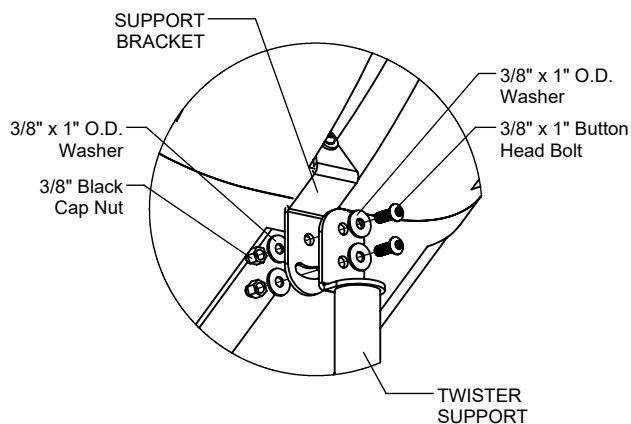
**Figure 1.4**



**Figure 1.5**

## **Step 6**

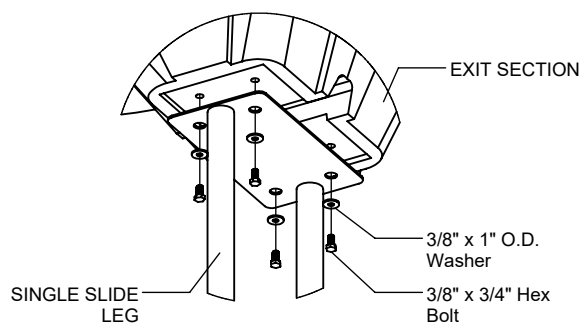
Place Slide Support in footing hole and attach to Support Bracket as shown in Figure 1.6. (See Note A)



**Figure 1.6**

## **Step 7**

Place Slide Leg in footing hole and attach to Exit Section as shown in Figure 1.7. (See Note A)



**Figure 1.7**

## Step 8

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

## Step 9

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

## Step 10

Place appropriate compliant protective surfacing under and around Twister Slide. (See Note D)

## Specifications

### TWISTER SLIDE SECTIONS:

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

### TWISTER SLIDE SUPPORT:

Shall be fabricated of 1.660" O.D. 11 gauge steel tubing welded to a 3/16" formed and punched steel plate and will have a multi-stage baked-on powder coat finish.

### SINGLE SLIDE LEG:

Shall be fabricated of 1.660" O.D. 11 gauge steel tubing welded to a 10 gauge steel plate 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.

## Parts List

TWISTER SLIDE ROTO		
Part #	DESCRIPTION	QTY
DE-4339-ENT	Twister Slide - Entry	Varies
DE-4339-EXT	Twister Slide-Exit	Varies
DE-4339-L	Twister Slide-Left	Varies
DE-4339-R	Twister Slide-Right	Varies
DE-4339-S	Twister Slide-Straight	Varies

EACH ENTRY HARDWARE ASTM		
Part #	DESCRIPTION	QTY
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	4
9103122-TR	Bolt Button Head 3/8" x 2-3/4"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9413002	Nut Lock 3/8"	4

EACH ENTRY HARDWARE CSA		
Part #	DESCRIPTION	QTY
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	4
9103092-TR	Bolt Button Head 3/8" x 2"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9413002	Nut Lock 3/8"	4

EACH SECTION JOINT		
Part #	DESCRIPTION	QTY
9103082-TR	Bolt Button Head 3/8" x 1-3/4"	5
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	5

EACH MID-SUPPORT		
Part #	DESCRIPTION	QTY
BE-4500	Sectional Slide Support Bracket #2	1
FS-1710-S	Sectional Slide Support	1
9103052-TR	Bolt Button Head 3/8" x 1"	2
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	4
9413162-BLK	Nut Lock 3/8" w/ Black Cap	2

EACH EXIT LEG		
Part #	DESCRIPTION	QTY
FS-1701	Single Slide Leg	1
9123032	Bolt Hex 3/8" x 3/4"	4
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	4

## 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.

