

**IMPORTANT NOTES: Read First**

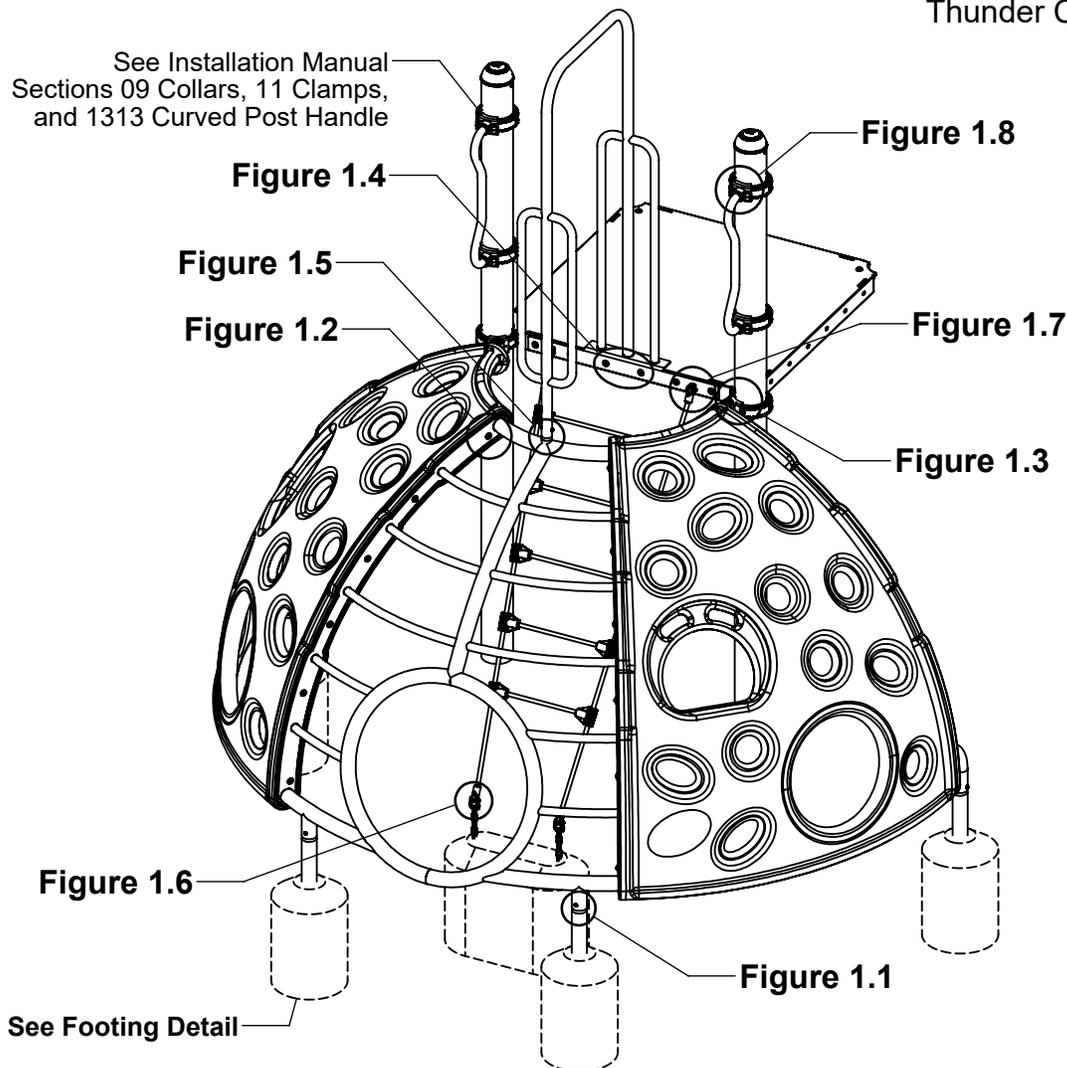
(A) Use liquid thread lock (such as Loctite®) with all threaded hardware. **Important:** Liquid thread lock (prior to curing) helps to eliminate the common problem of "thread seizure" in stainless steel hardware by serving as a lubricant during assembly.

(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 1313 Curved Post Handle 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  
Thunder Climber**



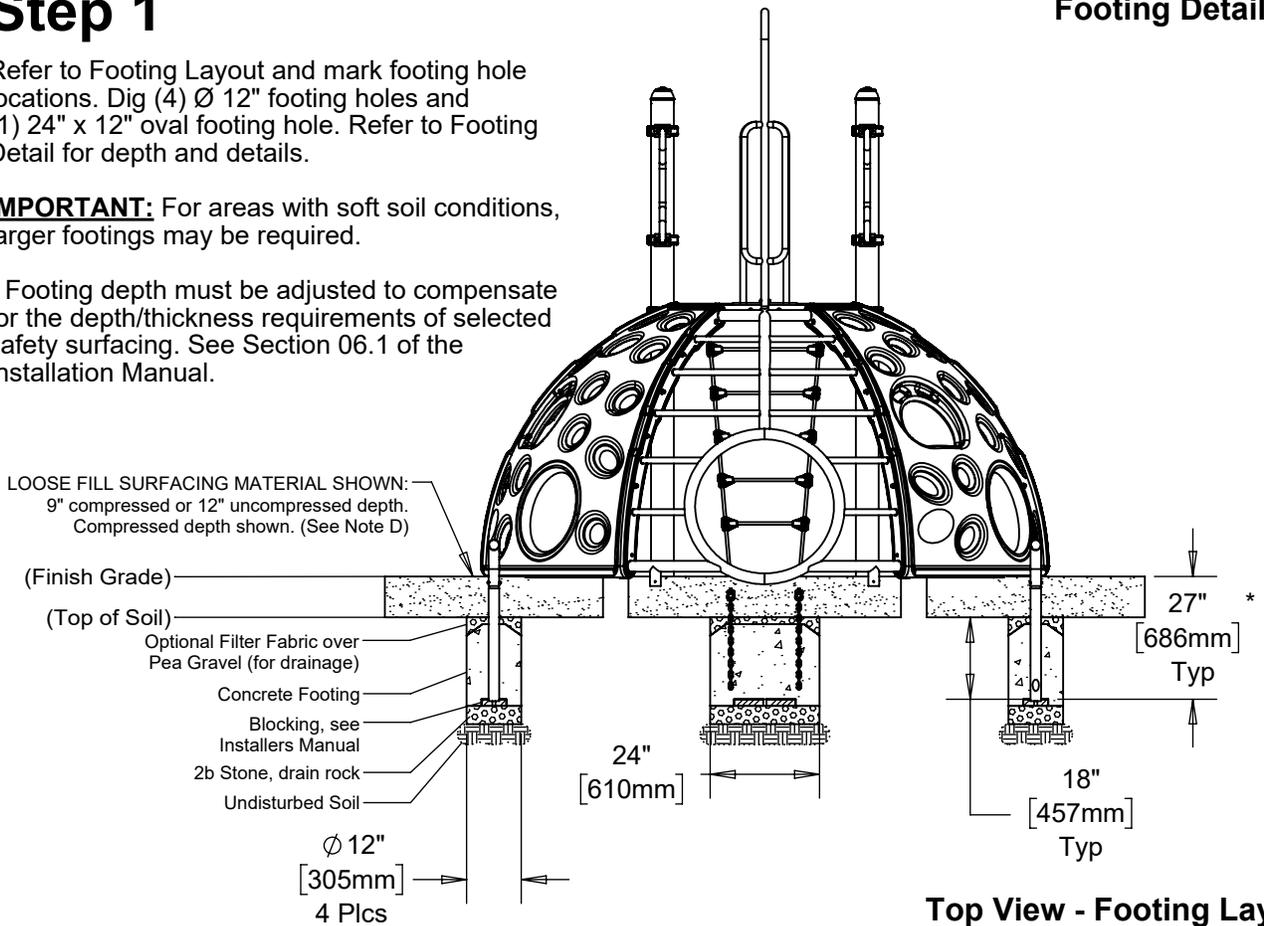
## Step 1

Refer to Footing Layout and mark footing hole locations. Dig (4)  $\varnothing$  12" footing holes and (1) 24" x 12" oval footing hole. Refer to Footing Detail for depth and details.

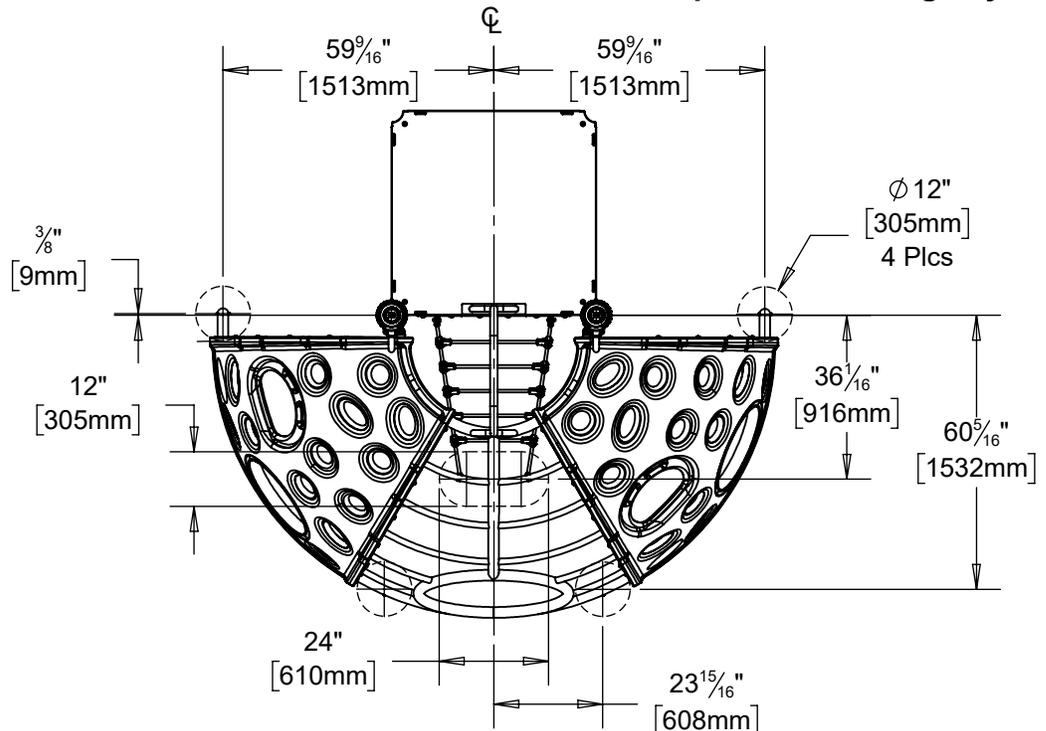
**IMPORTANT:** For areas with soft soil conditions, larger footings may be required.

\* 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



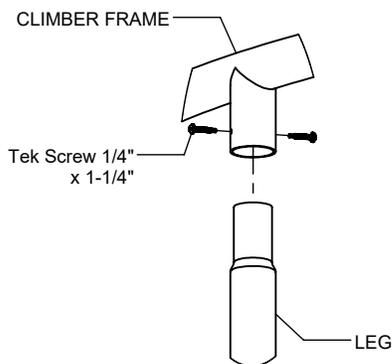
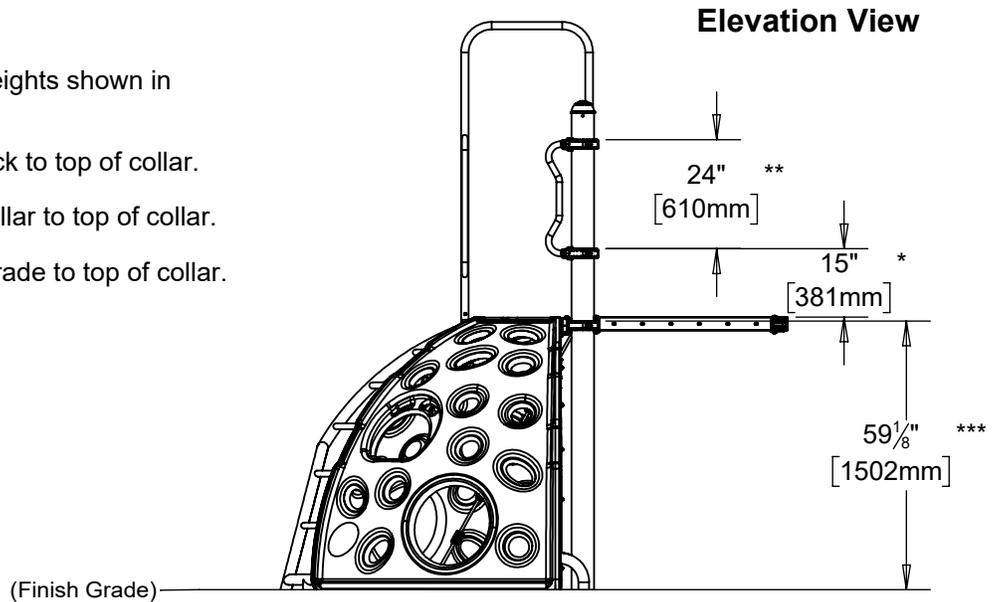
## Step 2

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

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

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

\*\*\* Height shown from finish grade to top of collar.



**Figure 1.1**

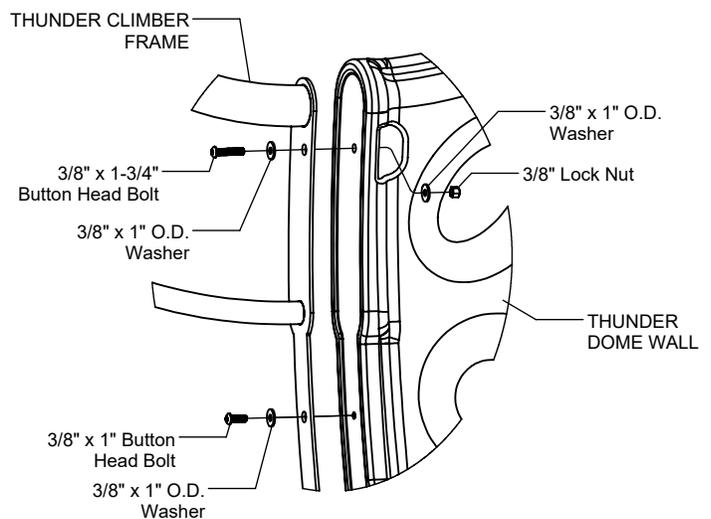
## Step 4

Attach Thunder Dome Wall to Thunder Climber Frame as shown in Figure 1.2. (See Note A)

## Step 3

Attach Leg to Thunder Climber Frame and Thunder Climber Side as shown in Figure 1.1. (See Note A)

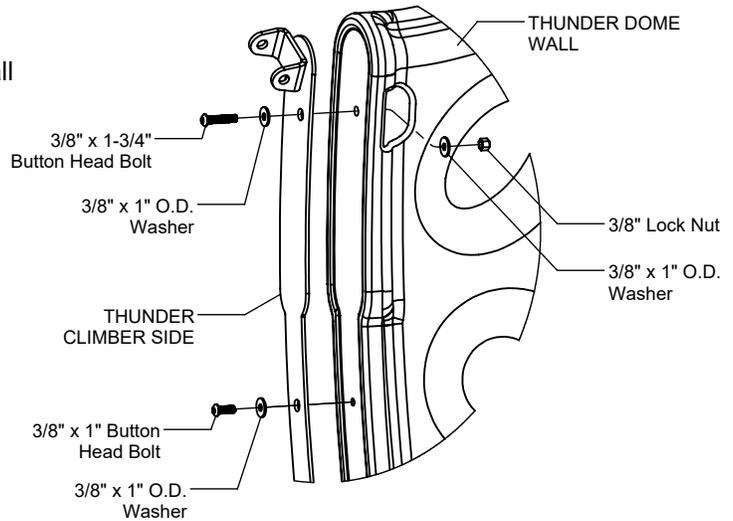
**NOTE:** This step is typical for In-Ground and Surface Mount.



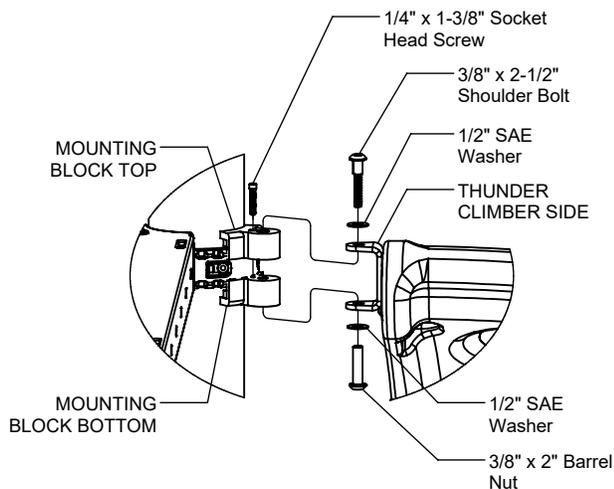
**Figure 1.2**

## Step 5

Attach Thunder Climber Side to Thunder Dome Wall as shown in Figure 2. (See Note A)



**FIGURE 2**



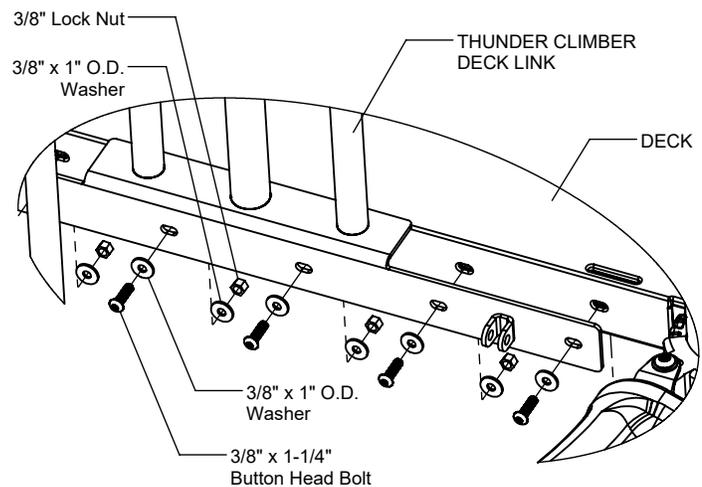
**Figure 1.3**

## Step 6

Attach Thunder Climber Side to Collar as shown in Figure 1.3. (See Note A)

## Step 7

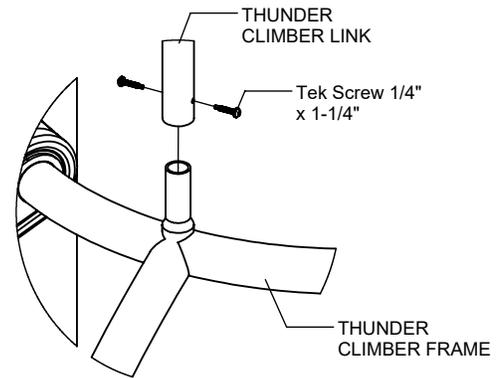
Slide Thunder Climber Deck Link into Thunder Climber Frame and attach to Deck as shown in Figure 1.4. (See Note A)



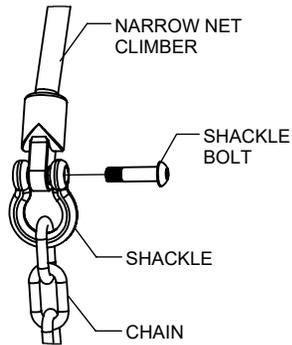
**Figure 1.4**

## Step 7

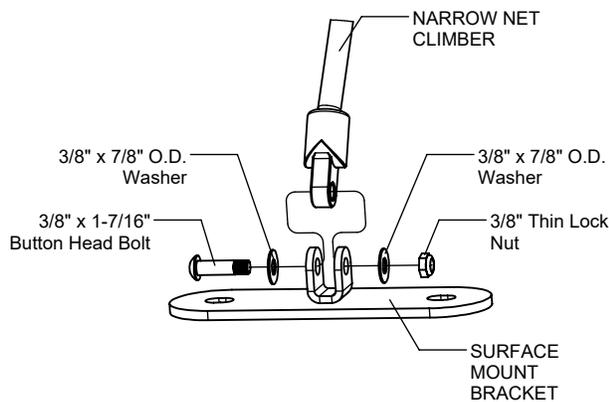
Attach Thunder Climber Deck Link to Thunder Climber Frame as shown in Figure 1.5. (See Note A)



**Figure 1.5**



**Figure 1.6**



**FIGURE 3**

## Step 8

### For In-Ground Only

Attach Chain to Narrow Net Climber as shown in Figure 1.6. (See Note A)

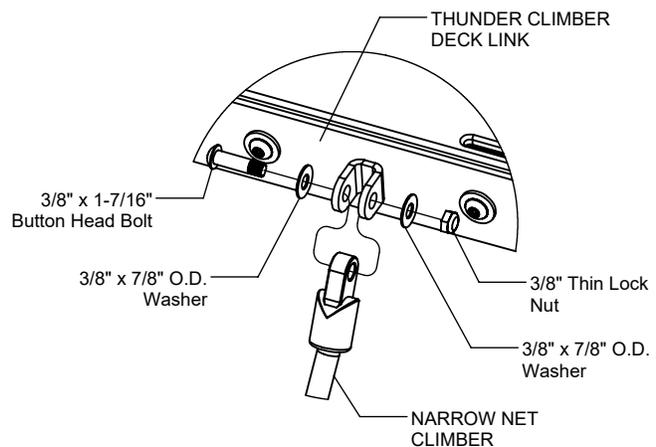
## Step 9

### For Surface Mount Only

Attach Surface Mount Bracket to Narrow Net Climber as shown in Figure 3. (See Note A)

## Step 10

Attach Net to Thunder Climber Deck Link as shown in Figure 1.7. (See Note A)



**Figure 1.7**

## Step 11

Attach Curved Post Handle to Collar as shown in Figure 1.8. (See Notes A & C)

## Step 12

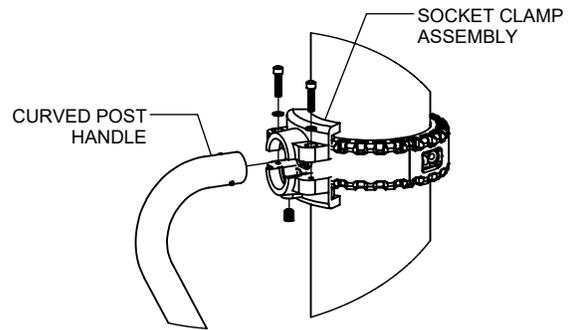
Fully tighten all fasteners according to the "TIGHTENING TORQUE FOR HARDWARE" section of the Installation Manual.

## Step 13

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 14

Place required protective surfacing under and around Thunder Climber. (See Note D)



**Figure 1.8**

## Parts List

| THUNDER CLIMBER IN-GROUND |  |     |
|---------------------------|--|-----|
| Part #                    | DESCRIPTION                              | QTY |
| DE-0061                   | Thunder Dome Wall                        | 2   |
| FS-12401-LNK              | Thunder Climber Deck Link                | 1   |
| FS-12401-SIDE             | Thunder Climber Side                     | 2   |
| FS-12401-TC               | Thunder Climber Frame                    | 1   |
| GF-7006-B                 | Mounting Block R5 Bottom                 | 2   |
| GF-7006-T                 | Mounting Block R5 Top                    | 2   |
| HE-0008-16                | 16-Link Galvanized Chain                 | 2   |
| HE-0145                   | Narrow Net Climber-Net                   | 1   |
| LE-0034                   | Thunder Dome Leg                         | 4   |
| S-1313-R5                 | Curved Post Handle R5                    | 2   |
| 451161-SS                 | Swing Shackle - Stainless Steel          | 2   |
| 9103052-TR                | Bolt Button Head 3/8" x 1"               | 16  |
| 9103062-TR                | Bolt Button Head 3/8" x 1-1/4"           | 6   |
| 9103082-TR                | Bolt Button Head 3/8" x 1-3/4"           | 8   |
| 9103200-TR                | Bolt Button Head 3/8" x 1-7/16"          | 2   |
| 9143112-TR                | Bolt Shoulder 3/8" x 2-1/2" BH           | 2   |
| 9271062-TR                | 1/4" x 1-1/4" Tek Screw                  | 10  |
| 9281062-5-TR              | Screw Soc HD 1/4" x 1-3/8"               | 2   |
| 9333002                   | Washer Flat 3/8" x 1" O.D. x .100" thick | 44  |
| 9333042                   | Washer Flat 3/8" x 7/8" O.D.             | 4   |
| 9345002                   | Washer Flat SAE 1/2"                     | 4   |
| 9413002                   | Nut Lock 3/8"                            | 14  |
| 9423002                   | Nut Lock Thin 3/8"                       | 2   |
| 9443092-TR                | Nut Barrel 3/8" x 2" BH                  | 2   |

| THUNDER CLIMBER - SURFACE MOUNT |  |     |
|---------------------------------|--|-----|
| Part #                          | DESCRIPTION                              | QTY |
| DE-0061                         | Thunder Dome Wall                        | 2   |
| FS-12401-LEG-SM                 | Thunder Climber Leg - Surface Mount      | 4   |
| FS-12401-LNK                    | Thunder Climber Deck Link                | 1   |
| FS-12401-SIDE                   | Thunder Climber Side                     | 2   |
| FS-12401-TC                     | Thunder Climber Frame                    | 1   |
| FS-12461-SM                     | Cargo Net Surface Mount Bracket          | 2   |
| GF-7006-B                       | Mounting Block R5 Bottom                 | 2   |
| GF-7006-T                       | Mounting Block R5 Top                    | 2   |
| HE-0145                         | Narrow Net Climber-Net                   | 1   |
| S-1313-R5                       | Curved Post Handle R5                    | 2   |
| 9103052-TR                      | Bolt Button Head 3/8" x 1"               | 16  |
| 9103062-TR                      | Bolt Button Head 3/8" x 1-1/4"           | 6   |
| 9103082-TR                      | Bolt Button Head 3/8" x 1-3/4"           | 8   |
| 9103200-TR                      | Bolt Button Head 3/8" x 1-7/16"          | 4   |
| 9143112-TR                      | Bolt Shoulder 3/8" x 2-1/2" BH           | 2   |
| 9271062-TR                      | 1/4" x 1-1/4" Tek Screw                  | 10  |
| 9281062-5-TR                    | Screw Soc HD 1/4" x 1-3/8"               | 2   |
| 9333002                         | Washer Flat 3/8" x 1" O.D. x .100" thick | 44  |
| 9333042                         | Washer Flat 3/8" x 7/8" O.D.             | 8   |
| 9345002                         | Washer Flat SAE 1/2"                     | 4   |
| 9413002                         | Nut Lock 3/8"                            | 14  |
| 9423002                         | Nut Lock Thin 3/8"                       | 4   |
| 9443092-TR                      | Nut Barrel 3/8" x 2" BH                  | 2   |

## Specifications

### THUNDER DOME WALL:

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

### THUNDER DOME FRAMES:

Shall be fabricated using 2.375" O.D. 11 gauge steel tubing and 1.660" O.D. 11 gauge steel tubing with welded 1.315" O.D. 12 gauge steel rungs and 3/16" thick steel frame plates and will have a multi-stage baked-on powder coat finish.

### THUNDER CLIMBER SIDE:

Shall be fabricated using 2.375" O.D. 11 gauge steel tubing, 3/16" thick sheet steel clevis plate and 1/4" thick steel clevises and will have a multi-stage baked-on powder coat finish.

### THUNDER CLIMBER DECK LINK:

Shall be fabricated from 1.660" O.D. 11 gauge steel tubing and 1.315" O.D. 12 gauge steel tubing with a 3/16" thick sheet steel bracket and stainless steel clevises and will have a multi-stage baked-on powder coat finish.

### THUNDER DOME LEG:

Shall be fabricated using 2.375" O.D. 11 gauge steel tubing and will have a multi-stage baked-on powder coat finish.

### THUNDER CLIMBER LEG - SURFACE MOUNT:

Shall be fabricated using 2.375" O.D. 11 gauge steel tubing with a 1/4" sheet steel plate and will have a multi-stage baked-on powder coat finish.

### CARGO NET SURFACE MOUNT BRACKET:

Shall be fabricated using 1/4" sheet steel plate with a 3/16" stainless steel clevis and will have a multi-stage baked-on powder coat finish.

### NETS:

Shall be made from 16mm steel-reinforced rope with high-strength copolymer plastic intersection connectors and machined aluminum end ferrules.

### CHAIN:

Shall be fabricated from 7mm galvanized steel chain.

### 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.