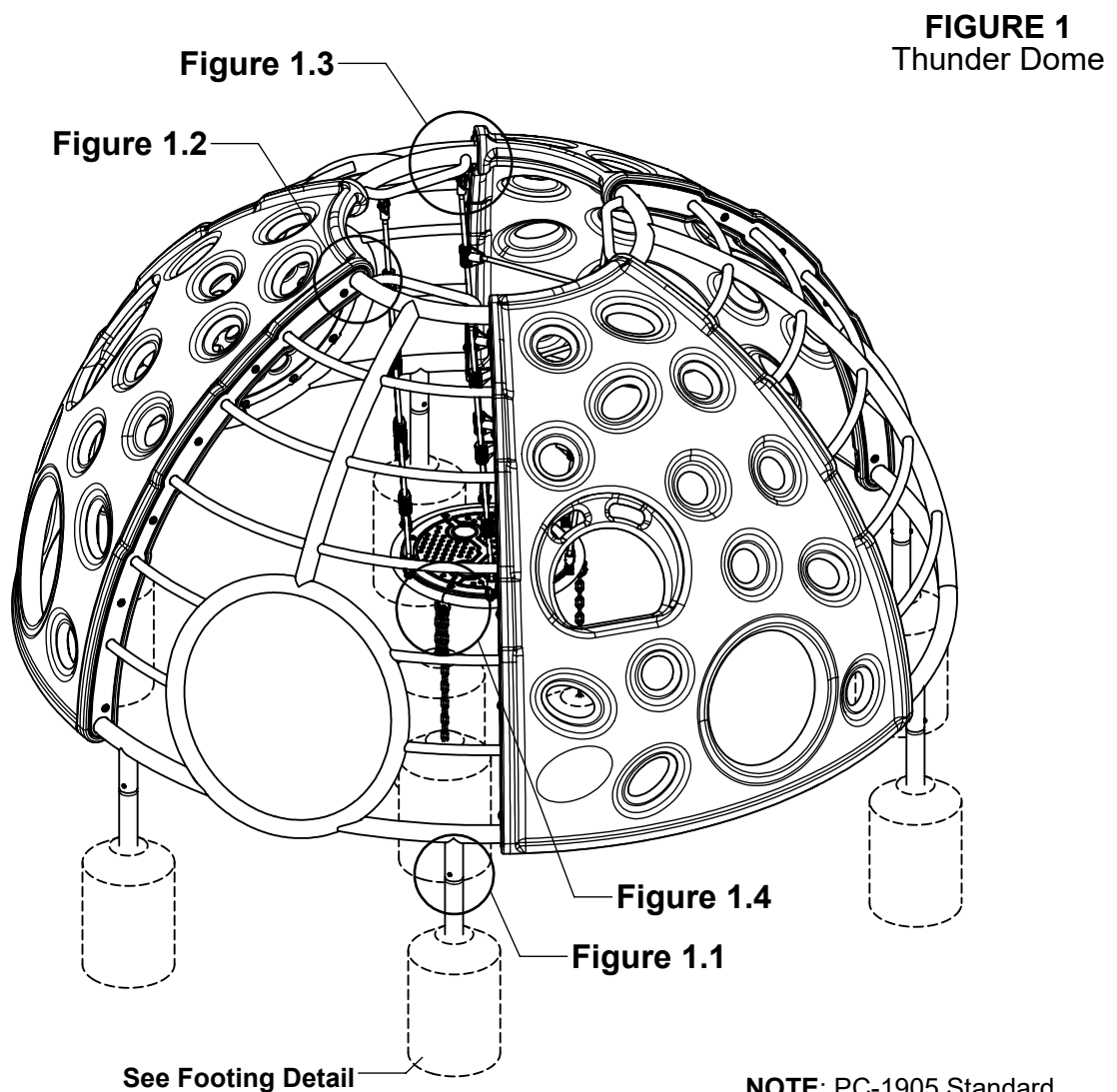


IMPORTANT NOTES: Read First

(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.



NOTE: PC-1905 Standard configuration shown. Other configurations will vary slightly, but does not affect assembly.

Step 1

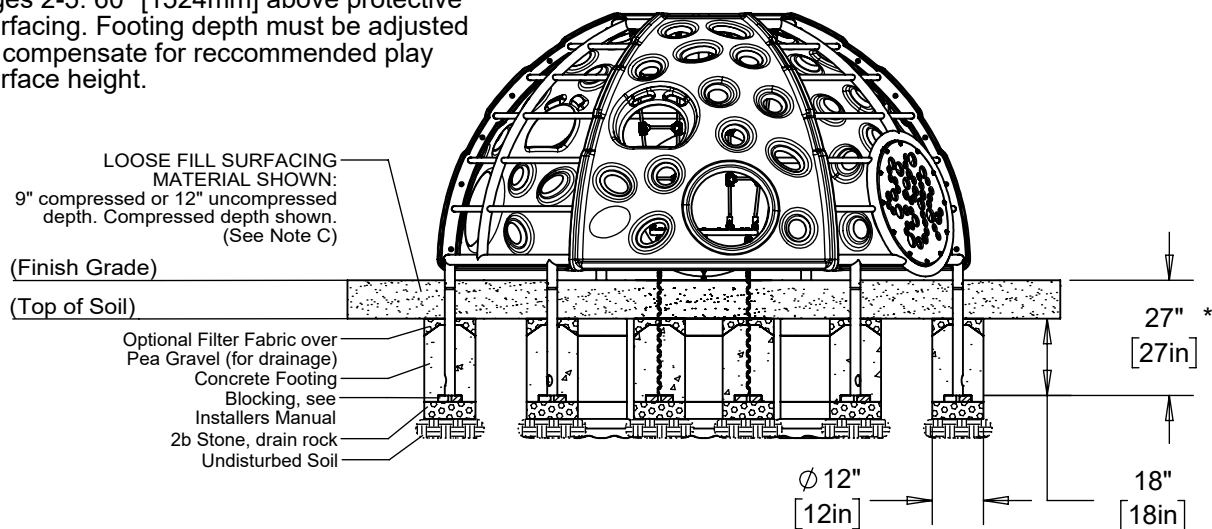
Refer to Footing Layout and mark footing hole locations. Dig (9) Ø 12" footing holes for the Standard version or (6) Ø 12" footing holes for the Cap version. Refer to Footing Detail for depth and details.

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

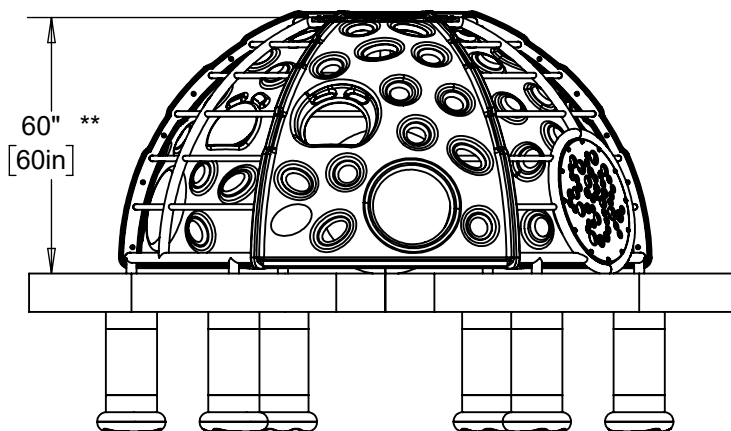
* Footing depth must be adjusted to compensate for the depth/thickness requirements of selected safety surfacing. See Section 06.1 of the Installation Manual.

** The maximum play surface height recommendation varies by age group:
Ages 2-5: 60" [1524mm] above protective surfacing. Footing depth must be adjusted to compensate for recommended play surface height.

**Footing Detail
Standard Version**



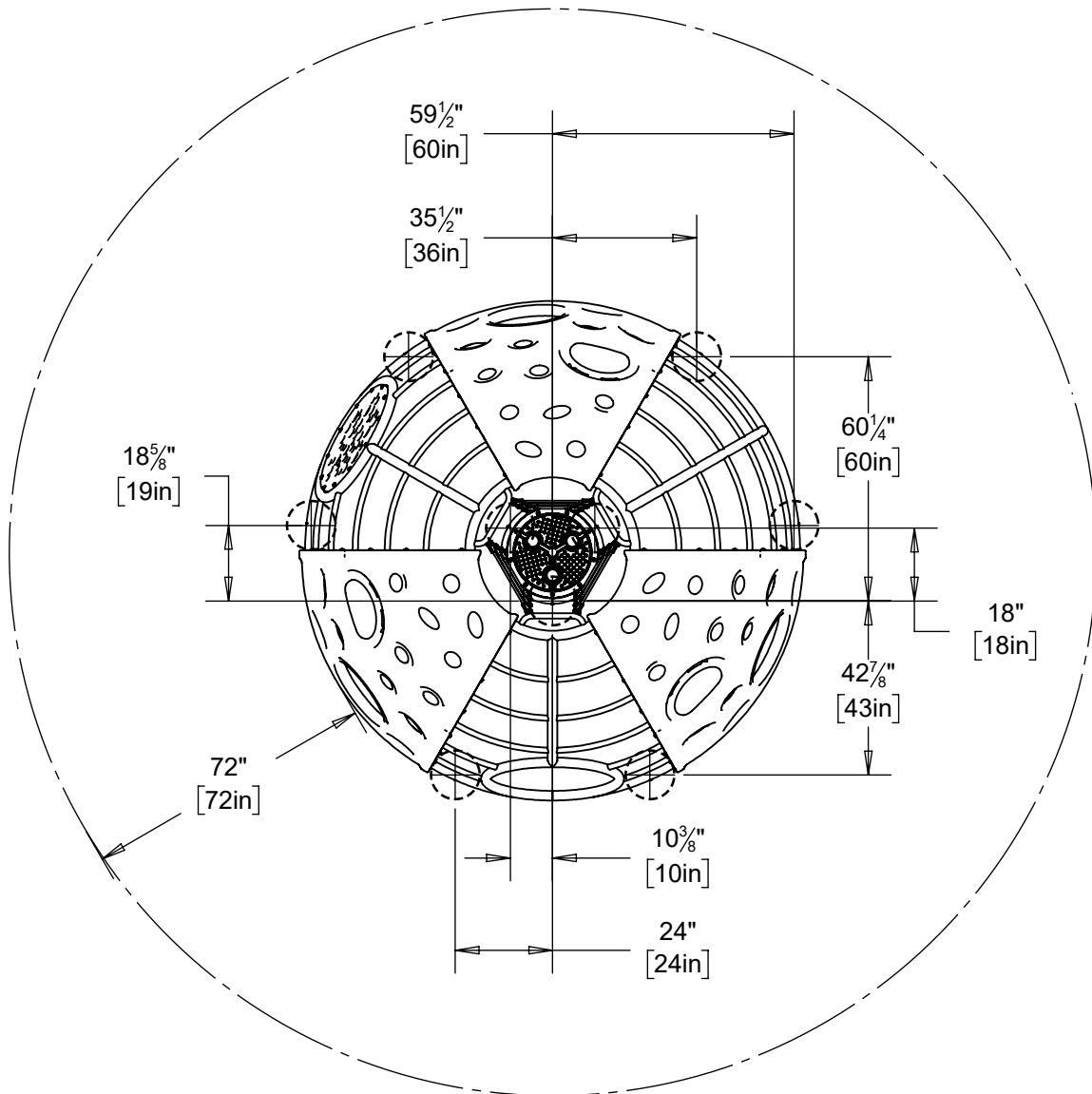
**Elevation View
Cap Version**



Top View - Footing Layout 72" [1829mm] Use Zone Recommended

Refer to current ASTM 1487 standards.

The Use Zone for Stationary Play equipment shall be no less than 72" [1829mm] in all directions from the perimeter of the play structure.



NOTE: The Standard version is shown. The Cap version requires only the 6 outer footings.

Step 2 (Factory Assembled)

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

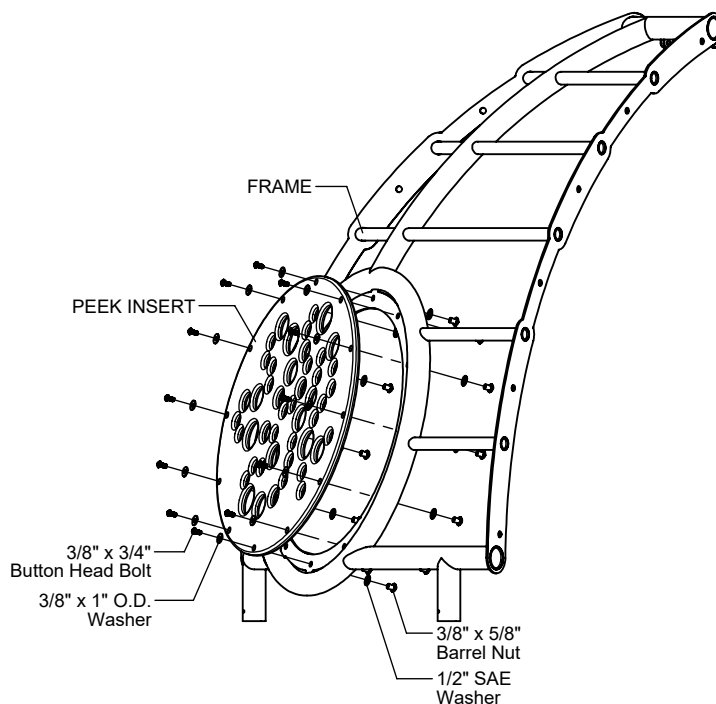


FIGURE 2

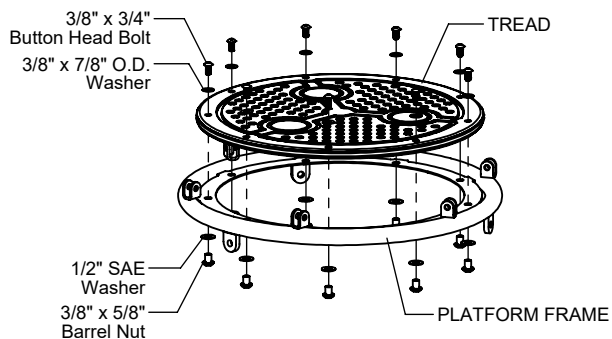


FIGURE 3

Step 3 (Factory Assembled) For Standard Version Only

Attach Tread to Platform Frame as shown in Figure 3.
(See Note A)

Step 4

Attach Legs to Frames as shown in Figure 1.1.
(See Note A)

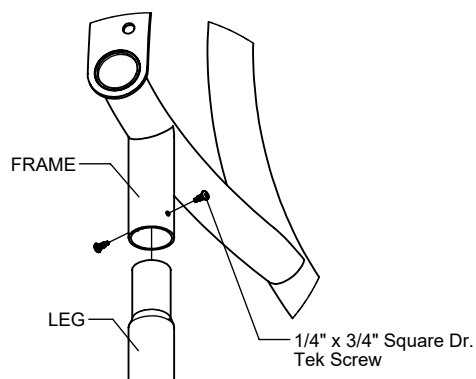


Figure 1.1

Step 5

Place Legs into footing holes and attach Walls to Frames as shown in Figure 1.2. (See Notes A & B)

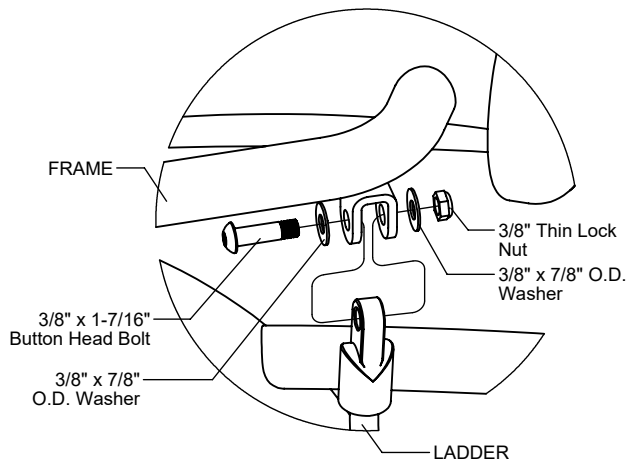


Figure 1.3

Step 7

For Standard Version Only

Place Chains into footing holes and attach to Platform Frame as shown in Figure 1.4. (See Notes A & B)

Step 8

For Cap Version Only

Attach Cap Retainers and Thunder Dome Pad to the Thunder Dome as shown in Figure 4. (See Note A)

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 Thunder Dome. (See Note C)

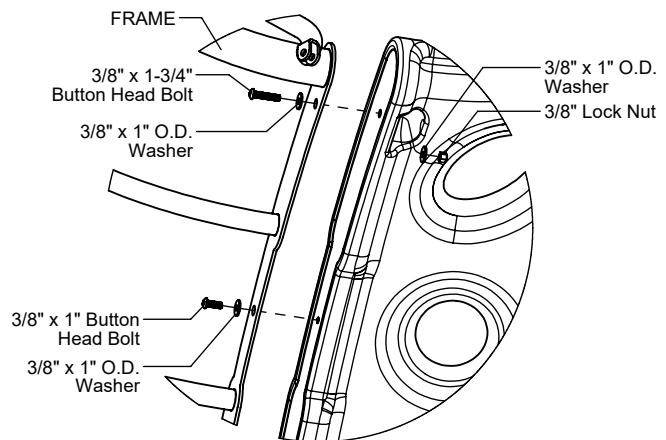


Figure 1.2

Step 6

For Standard Version Only

Attach Ladders to Frames and Platform Frame as shown in Figure 1.3. (See Note A)

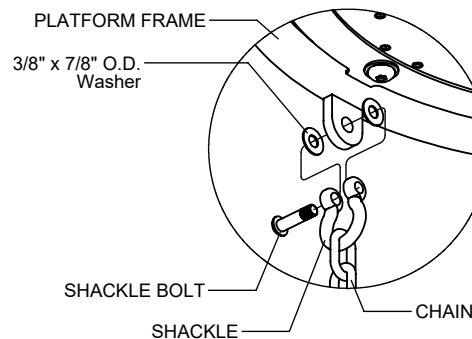


Figure 1.4

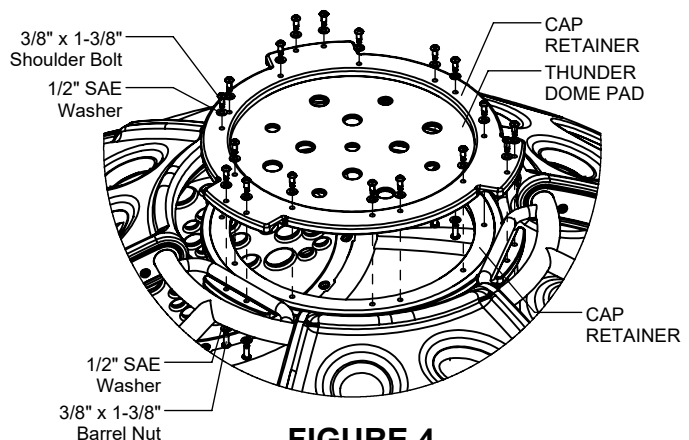


FIGURE 4

THUNDER DOME INSTALLATION INSTRUCTIONS

PC-1905
Page 6 of 7

Parts List

A2-1905 THUNDER DOME		
Part #	DESCRIPTION	QTY.
DE-0061	Thunder Dome Wall	3
FS-PC1905-FRM	Thunder Dome Frame	1
FS-PC1905-WIN	Thunder Dome Window Frame	1
HE-0069	Thunder Dome Ladder	3
HE-0008-28	28-Link Galvanized Chain	3
LE-0034	Thunder Dome Leg	6
451161-SS	Swing Shackle - Stainless Steel	3
9103200-TR	Bolt Button Head 3/8" x 1-7/16"	12
9103052-TR	Bolt Button Head 3/8" x 1"	24
9103082-TR	Bolt Button Head 3/8" x 1-3/4"	12
9271032	Screw Tek 1/4" x 3/4" PH SQDR	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	48
9333042	Washer Flat 3/8" x 7/8" O.D.	30
9413002	Nut Lock 3/8"	12
9423002	Nut Lock Thin 3/8"	12

Assembled Parts List

A2-1905 THUNDER DOME		
Part #	DESCRIPTION	QTY.
EE-0439	Thunder Dome Platform Tread	1
EF-4049	Peek Insert R5	1
FS-PC1905-INS	Thunder Dome Insert Frame	1
FS-PC1905-PLT	Thunder Dome Platform Frame	1
9103032-TR	Bolt Button Head 3/8" x 3/4"	21
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9333042	Washer Flat 3/8" x 7/8" O.D.	9
9345002	Washer Flat SAE 1/2"	21
9443022-TR	Nut Barrel 3/8" x 5/8" BH	21

Parts List

A2-1905-CAP THUNDER DOME CAP		
Part #	DESCRIPTION	QTY
DE-0061	Thunder Dome Wall	3
EE-0551	Thunder Dome Cap Retainer	2
FS-PC1905-FRM-CAP	Thunder Dome Frame - Cap	1
FS-PC1905-WIN-CAP	Thunder Dome Window Frame - Cap	1
HE-0552	Thunder Dome Pad	1
LE-0034	Thunder Dome Leg	6
9103052-TR	Bolt Button Head 3/8" x 1"	24
9103082-TR	Bolt Button Head 3/8" x 1-3/4"	12
9143062-TR	Bolt Shoulder 3/8" x 1-3/8" BH	18
9271032	Screw Tek 1/4" x 3/4" PH SQDR	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	48
9345002	Washer Flat SAE 1/2"	36
9413002	Nut Lock 3/8"	12
9443062-TR	Nut Barrel 3/8" x 1-3/8" BH	18

Assembled Parts List

A2-1905-CAP THUNDER DOME CAP		
Part #	DESCRIPTION	QTY
EF-4049	Peek Insert R5	1
FS-PC1905-INS-CAP	Thunder Dome Insert Frame - Cap	1
9103032-TR	Bolt Button Head 3/8" x 3/4"	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9345002	Washer Flat SAE 1/2"	12
9443022-TR	Nut Barrel 3/8" x 5/8" BH	12



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Rev C
9/3/2020

Specifications

THUNDER DOME FRAMES:

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

THUNDER DOME INSERT FRAME:

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

THUNDER DOME LADDER:

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

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 DOME PLATFORM FRAME:

Shall be fabricated using 1.315" O.D. 12 gauge steel tubing with welded 12 gauge flange and 3/16" thick stainless steel anchors and will have a multi-stage baked-on powder coat finish.

THUNDER DOME PLATFORM TREAD:

Shall be made from high density 3/4" sheet plastic specially formulated for optimum UV Stability and color retention.

THUNDER DOME WALL:

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

PEEK INSERT & THUNDER DOME CAP RETAINER:

Shall be made from high density 3/4" sheet plastic specially formulated for optimum UV Stability and color retention.

THUNDER DOME PAD:

Shall be constructed of UV-stabilized flexible rubber compound with slash proof, reinforced metal inserts.

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.