

Installation Instructions



Bird's Nest Cradle

Model No. 803

Revised: 07/28/2023

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Please read through the entire installation instructions upon receipt to ensure that all parts have been received and that all customer-supplied materials are procured prior to the start of installation.

Introduction

Thank you for purchasing the Bird's Nest Cradle! Before we begin, please take some time to familiarize yourself with the components, tools, and installation steps to ensure adequate preparation for a smooth installation.

General Information

This equipment should be installed, inspected, maintained, and operated in accordance with ASTM F1487-17 or CSA-Z614 guidelines.

The installation site shall have a flat and level well-drained surface with a maximum slope of 3%.

For product support, including questions regarding installation, or to obtain replacement parts, please contact your equipment dealer.



Following installation, the complete assembly instructions, maintenance instructions, and maintenance records must be sent to the operator who must confirm receipt in writing. See the last page of this document.

The manufacturer has certified that this equipment complies with ASTM F1487 and CSA-Z614 when installed properly. It is the responsibility of the owner/operator of this equipment to ensure that it is installed and maintained in compliance with all local laws and regulations. NetPlay USA LLC is not liable for changes to laws or regulations which are enacted after equipment installation.

We hereby confirm that this play equipment has been tested and certified in accordance with the play equipment standards ASTM F1487 and CSA-Z614.

Drawings/Views

The manufacturer reserves the right to make reasonable changes to technical details of our products for enhanced safety and assurance for users and operators.

Measurement Tolerances

Due to the properties and characteristics of the components above surfacing level, actual measurements may vary from those indicated in the diagrams. The manufacturer has established safe tolerances for these components.

Specifications

Assembly Time.....Approx. 0.5 to 1 hour
(after completion of foundations and posts)

Personnel Required2

Equipment

Height.....68.5 in (1740 mm)
Footprint.....197.0 x 78 in
Use Zone.....248 x 341 in (6300 x 8660 mm)
Fall Height40 in (1016 mm)
Age Group5 to 12 years
Capacity5

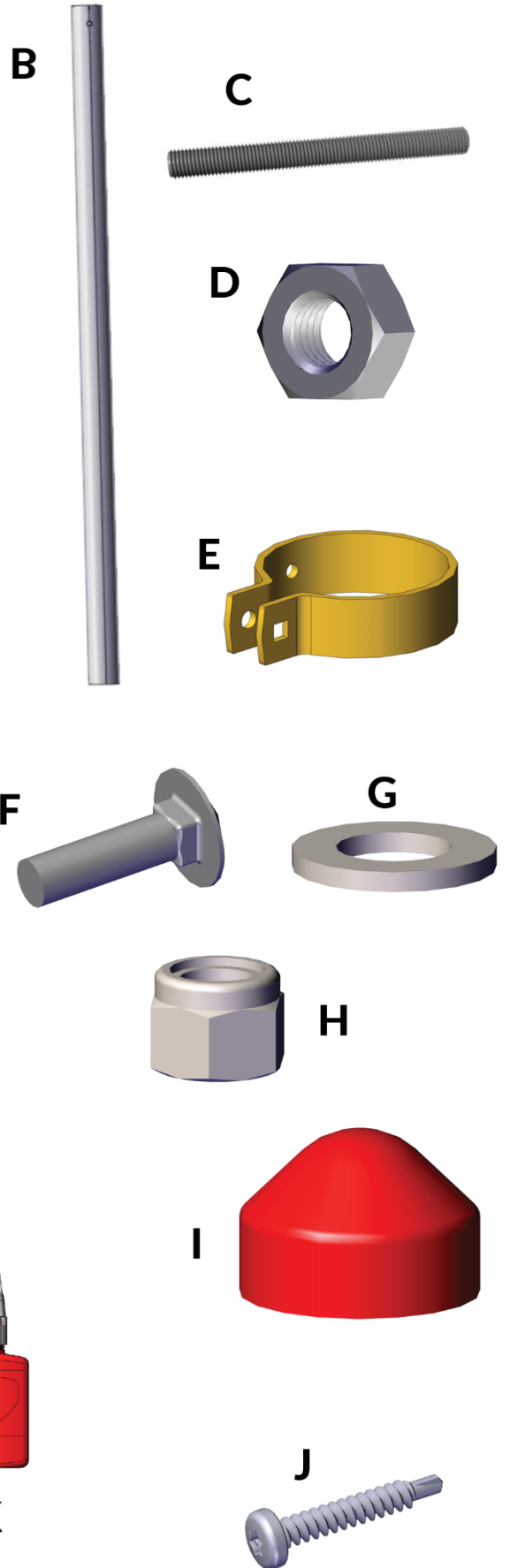
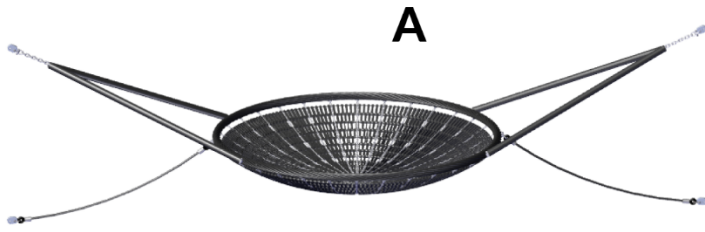
Foundations

Concrete Mix C25/C30
Required Concrete:.....21.2 ft³ (0.60 m³) each outer foundation
Foundations (Qty 2).....39.37 x 39.37 x 23.62 inches
(1000 x 1000 x 600 mm) LxWxD
Drainage Stone.....3.60 ft³ (0.11 m³) total
(4 inches of stone required beneath each foundation)

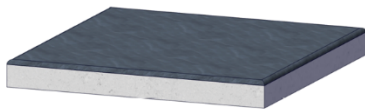


In the case of sandy and soft soils, the size of the foundations must be enlarged by 50%.

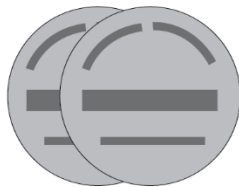
Parts List Included



Part	Description	Qty	
		Ship	Rec
A	Bird's Nest Component Assembly	1	
B	Steel Posts	2	
C	M12 Threaded Rod	2	
D	M12 Hex Nut	4	
E	Post Clamp	2	
F	M10 Carriage Bolt	2	
G	M10 Flat Washer	2	
H	M10 Locknut	2	
I	Post Cap	2	
J	Torx Screw	6	
K	Thread-locking Adhesive	1	
L	Compliance Stickers	2	
M	Concrete Slab 12 x 12 in - 2 required <i>Provided by the customer</i>	-	-



M



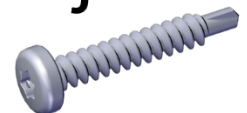
L



K



I



J

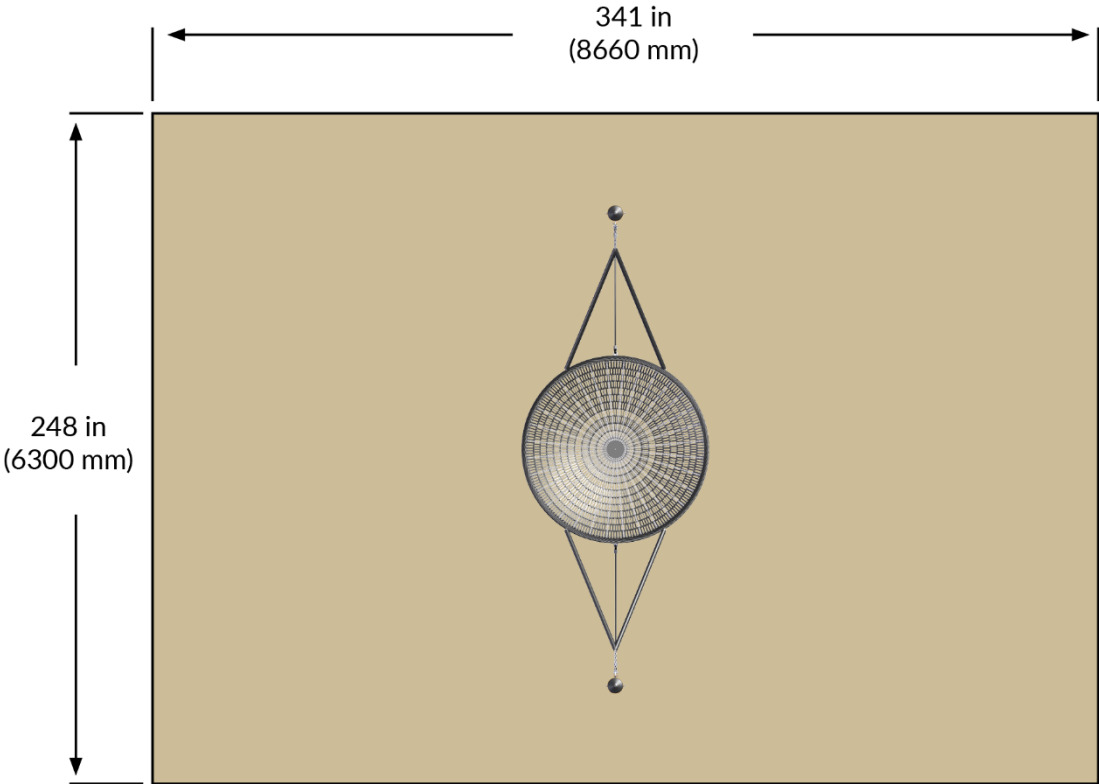
Installation

Part A: Site Prep and Use Zone

Be sure that the chosen site is well drained and level, with a 3% maximum slope.

A clear path and adequate protective surfacing are required around the equipment. The use zone of the Original Bird's Nest may not overlap any other use zone.

The pivot points of the swing (where the chain attaches to the support structure) must be level between the two points. They cannot be at different heights.



Installation

Part B: Foundations

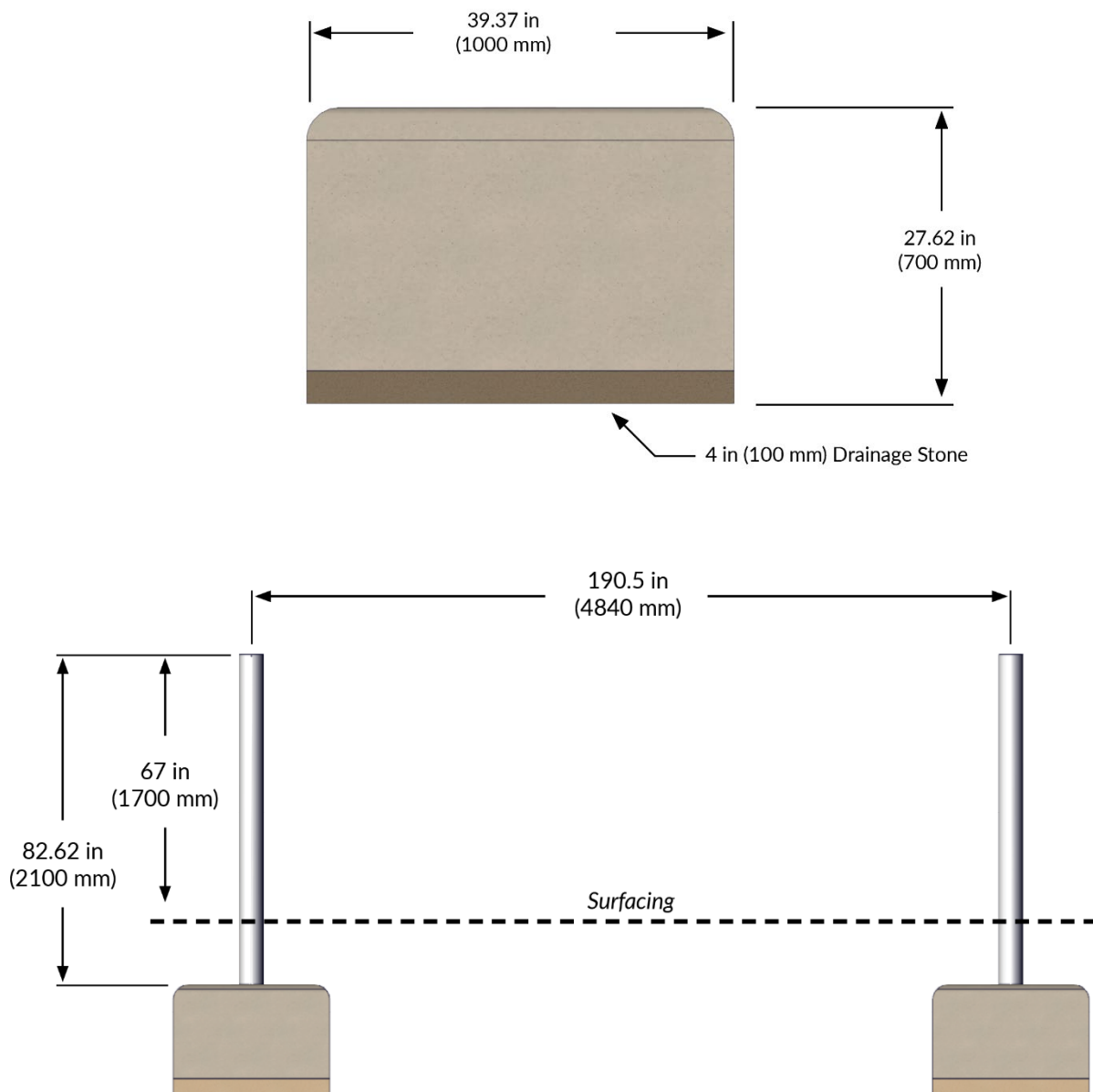
Two foundations are required for the Bird's Nest Cradle.

Foundation Dimensions:

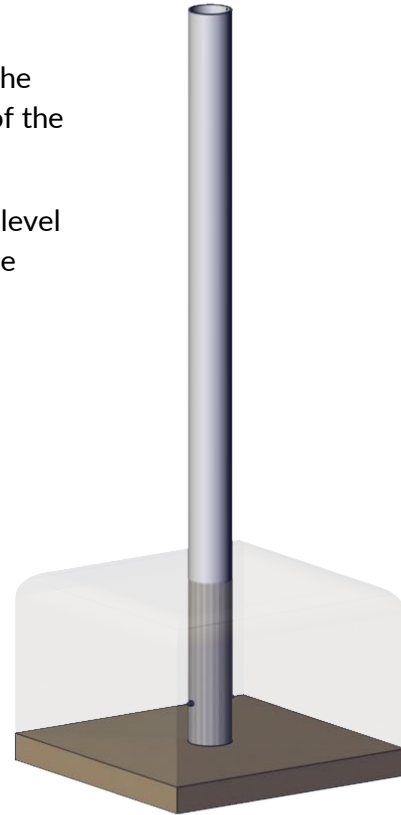
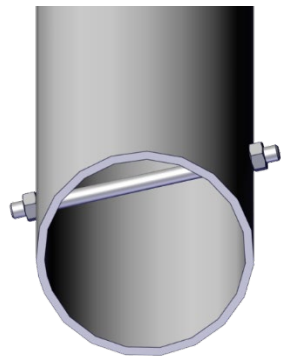
39.37 x 39.37 x 23.62 in
(1000 x 1000 x 600 mm)

Dig Dimensions (measured from top of surfacing):

39.37 x 39.37 x 43.62 in
(1000 x 1000 x 1100 mm)



- Place 4 inches (100 mm) of drainage stone evenly on the bottom of each foundation hole.
- Place the concrete slabs flat down onto the drainage stone in each foundation hole and nestle them into the drainage stone so that the top of the slab is flush with the top of the stone. Between each foundation, adjust the slabs until they are 190.5 in (4839 mm) apart on center.
- Slide the M12 threaded rod through the bottom holes of the post. Thread an M12 hex nut onto the rod on either side of the post and tighten against the post.
- Place the posts onto the center of the slabs. Check with a level to ensure the posts are straight, then measure between the center of the posts. Adjust until the posts are straight and exactly 190.5 in (4839 mm) apart on center.



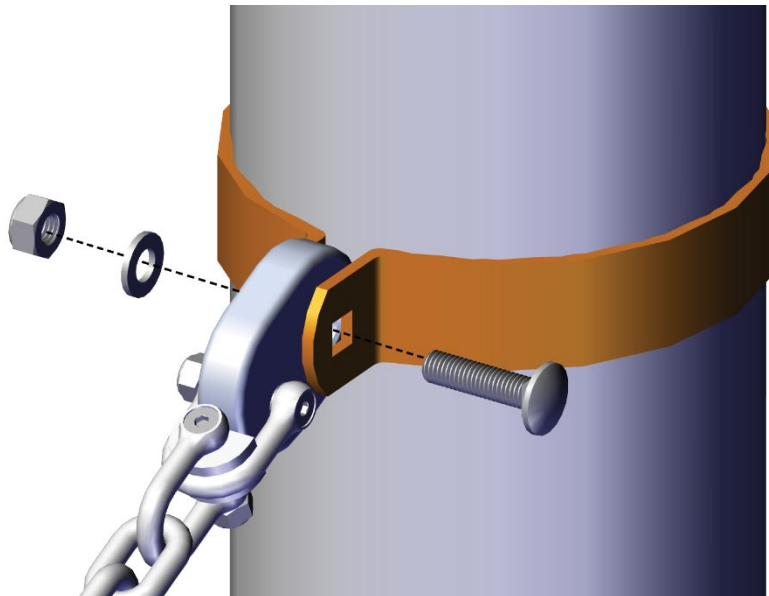
- With measurements checked, and all posts in place, straight and level, pour the concrete foundations. Check the post measurements again after pouring each foundation and ensure that they will not move while the concrete is setting.
- Round the top edges of the foundations to a 4 in (100 mm) radius.
- Allow to set for the concrete manufacturer's recommended time before proceeding to the next step.



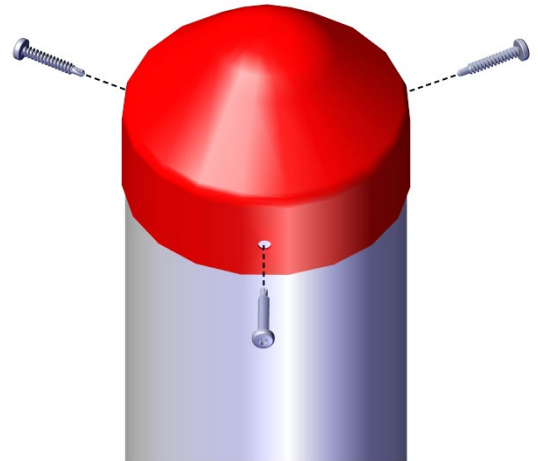
Installation

Part C: Structure

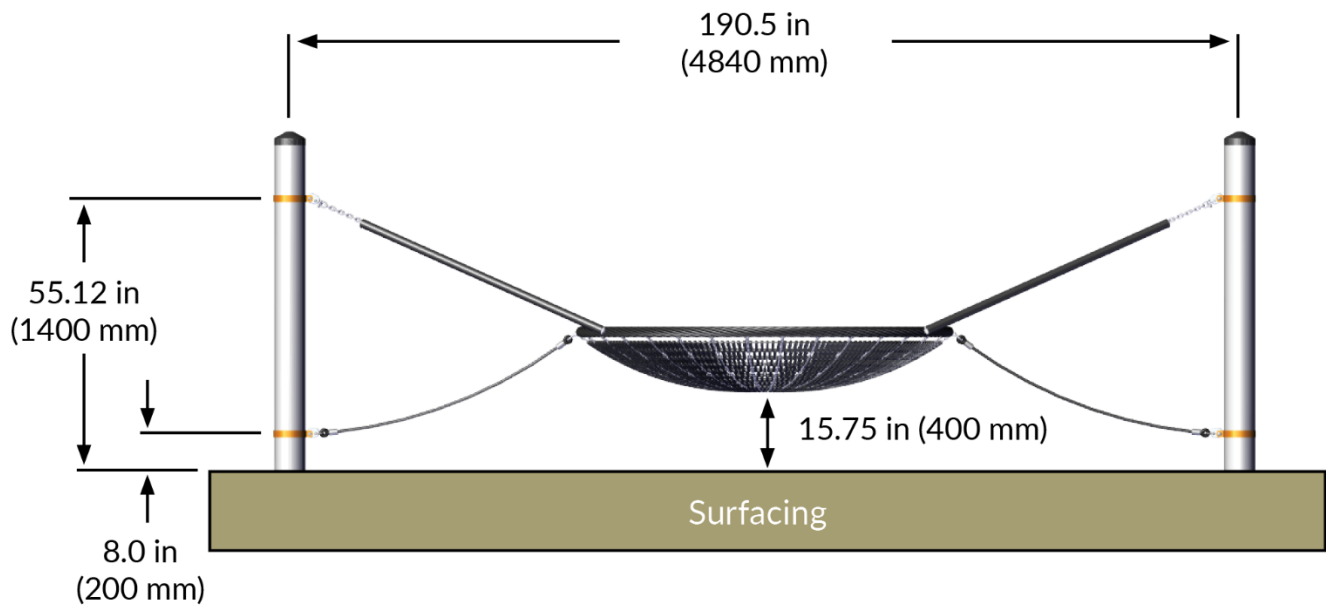
- Slide two post brackets onto each post.
- To attach the Bird's Nest, insert the aluminum connector of each Bird's Nest rope between the flat blades of each corresponding clamp.
- Line up the holes in the clamp with the holes in the connector and insert an M10 carriage bolt. Be sure to insert the bolt on the side of the clamp with the square hole. On the other side, fit the flat washer and the locknut as shown below.
- Adjust the clamps to their specified heights and tighten the locknuts. See clamp heights in the Critical Dimensions diagram on the next page.



- Install a post cap onto each post. Slide the post cap completely onto the top of the post. Use three self-tapping screws to secure the cap evenly onto the post as shown.



Critical Dimensions



Finishing

- Place the two compliance stickers (B) onto the posts in a location where they may be protected, but still accessible. Make sure the surface of the post is clean and dry before applying the stickers.
- Apply and grade protective surfacing material to the use zone per ASTM F1292 until the appropriate fall height is achieved, measured from the pivot points to the surfacing.
- If using loose fill, mark the base of the posts at the final level of the surfacing material so that the proper level of fill can be maintained.
- Remove all tools, excess materials, or other assembly aids from the area prior to opening the equipment for play.

Final Checklist

Please make sure all following steps have been completed:

- () Checked that the connection points were properly attached and hardware is tight.
- () Made sure the pivot points are level.
- () Applied all necessary surfacing and checked height measurements per ASTM F1292.
- () The product was installed to comply with ASTM F1487 or applicable local regulations.

Maintenance

To maintain safety, the operator must ensure that proper inspection and maintenance is carried out by a competent person in accordance with ASTM F1487-17 or CSA-Z614, and the following manufacturer recommendations.



Damage which may compromise safety must be repaired immediately. If repairs cannot be immediately carried out, the operator must close the equipment to prevent use.

Replacement Parts

Replacement parts may be obtained through your equipment dealer. Parts not obtained through a dealer must conform to the manufacturer's specifications.

Break-in Period

Between 1-2 weeks after installation (equipment break-in period), check all threaded connections and tighten if necessary. After the break-in period, the operator may follow the recommended inspection frequency.

Inspection Frequency

With average use and environmental conditions, check the following at or before the recommended frequency. If the equipment is exposed to regular high-use or harsh environments, the inspections should be performed at a shorter frequency. Inspections should also be completed per ASTM 1487-17 or CSA-Z614 guidelines.

Monthly

- Check all connecting elements and fittings for wear and tear and tighten if necessary. Repair or replace damaged or missing parts.
- Check ropes for excessive wear. If ropes are worn through to the steel wire core, the equipment should be closed to prevent use until the rope is repaired or replaced.

Quarterly

- Check surfacing for adequate depth and fill in as necessary.
- Check the stability of the foundations and post.

Yearly

- Check for corrosion on metal components. It may be necessary to dig out subterranean components to inspect them. Apply zinc paint to any corroded or scratched areas.

New Product Handover



Model Name: Bird's Nest Cradle
Model Number: 803
Serial Number: _____



Operator

Name of operator (town, school, business, etc.): _____

Street: _____ City: _____ State: _____ Zip: _____

Representative in charge: _____

Installer

Name of installation company: _____

Street: _____ City: _____ State: _____ Zip: _____

Representative in charge: _____

Installer Checklist:

- Adequate concrete foundation poured per instructions.
- Structure assembled per the instructions without modification (unless approved by the manufacturer.)
- Final inspection conducted and passed per instructions.

Operator received the complete assembly instructions, inspection & maintenance instructions, and maintenance log. Installer completed work to the manufacturer's specifications.

Operator Signature: _____ Date: _____

Installer Signature: _____ Date: _____