

UP107 FROG SPRING RIDER UP108 WHALE SPRING RIDER

Parts List			
DESCRIPTION	UP107	UP108	PART NUMBER
FROG	1	0	02795XX
WHALE	0	1	02683XX
ROTO ANIMAL COIL SPRING ASS'Y	1	1	0078525
HARDWARE COMPLETE	1	1	
3/8" x 1" P.B.H.C.S. w/PATCH	4	4	812050
3/8" FLAT WASHER (1 1/4" O.D.)	4	4	HWWR0092
1/2" J-BOLT	4	4	HWA0009
1/2" FLAT WASHER	4	4	HWWR0022
1/2" NYLOCK NUT	4	4	HWN0025

Unless Otherwise Specified, All Units of Measure are Each

Items listed below Hardware Complete line are included with Hardware Complete Number

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location. Any bolt end protruding more than two full threads beyond the face of the nut causes risk of clothing entanglement.

Promptly cut-off flush, file smooth, and treat to prevent corrosion.

Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.

Note: Loctite (supplied by others) should be used on any non-patch hardware.

INSTALLATION INSTRUCTIONS:

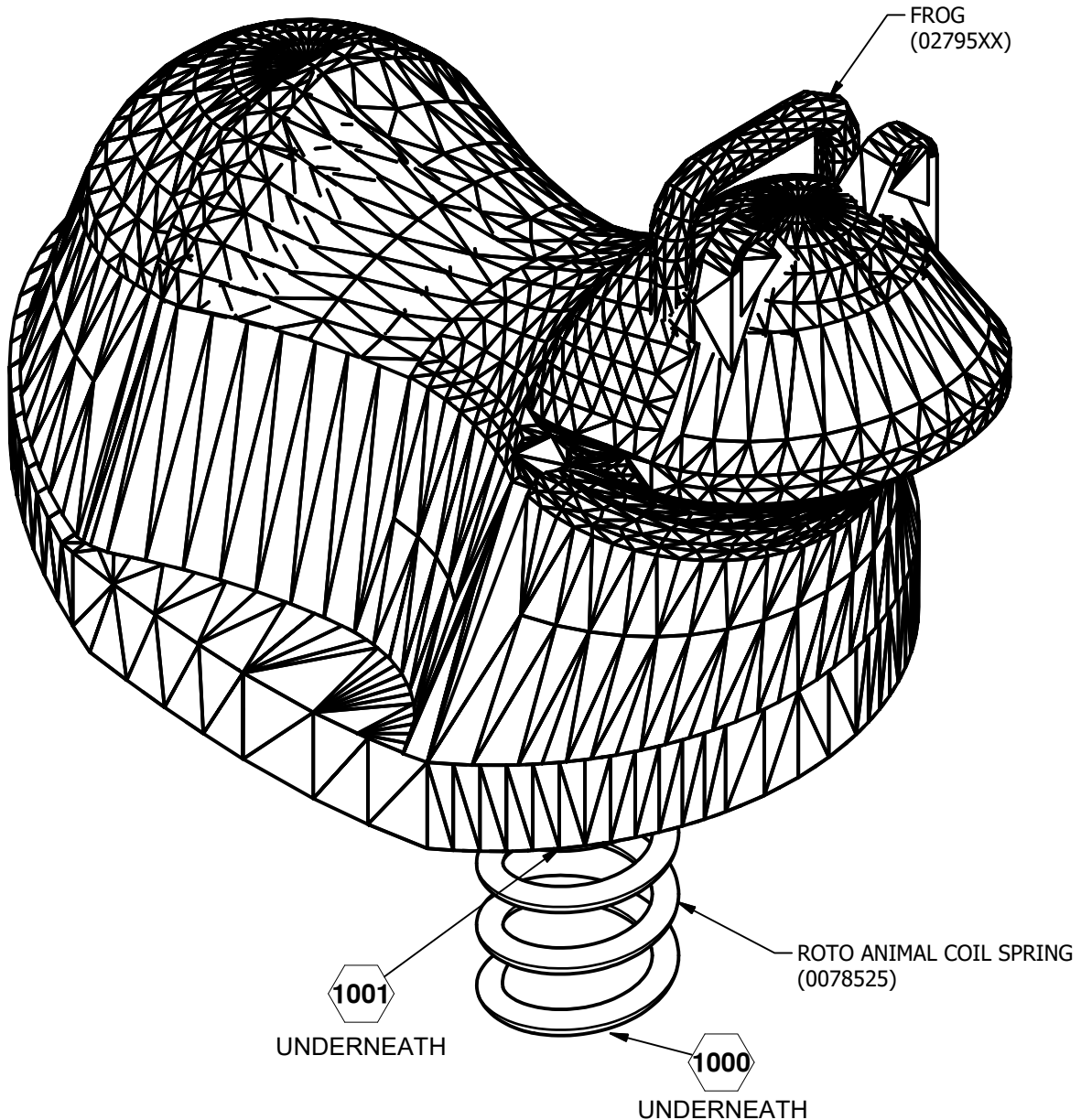
1. Make a template out of poly sheet, plywood, etc. (approximately 16"x16"). Place Spring Rider in center of template and drill four holes through the pre-drilled holes in the base plate through the template. Remove Spring Rider.
2. From one side of template, insert J-bolt through template and install washer and nylon lock nut on other side. J-bolts should be installed with ends facing outward. See Detail A. Gently tighten. Repeat for remaining J-bolts and hardware.
3. Pour concrete in footing to correct level (SEE ELEVATION VIEW). Concrete must have a minimum rating of 2,500 PSI and must be mixed per manufacturer's recommendations. Center template over footing with J-bolts facing down. **NOTE:** Leave a 1" space between concrete and template. Bevel edges of concrete to eliminate sharp corners. Make sure template is level and centered over hole. **Allow concrete to dry overnight before continuing.**
4. After concrete has dried overnight, remove nuts and washers and remove template. Set Spring Rider in place and reinstall washers and nuts. Make sure rider is level, at correct height and that all hardware is tight. **NOTE:** Bottom of body will be 12-1/2" above finished surfacing (see ELEVATION VIEW).
5. Excavate footing hole as shown in Elevation View. Use heavy cardboard to create a mold or sonotube for the concrete (18" diameter by 24" high). Place sonotube in the hole.
6. Fill the hole and form with concrete until it reaches top of tube. Bevel top edge of concrete to eliminate sharp corner. Press J-bolts into concrete. **Allow concrete to harden for 24 hours before continuing assembly.**

NOTE: Footing Elevation shown with 12" of surfacing and 8" of concrete above grade. The height of your concrete above grade will vary depending on your surface depth. **You must maintain 4" of surfacing above base plate and at least 16" of concrete in ground. Also, seat height of rider must be between 14" and 28" above finished surfacing.**

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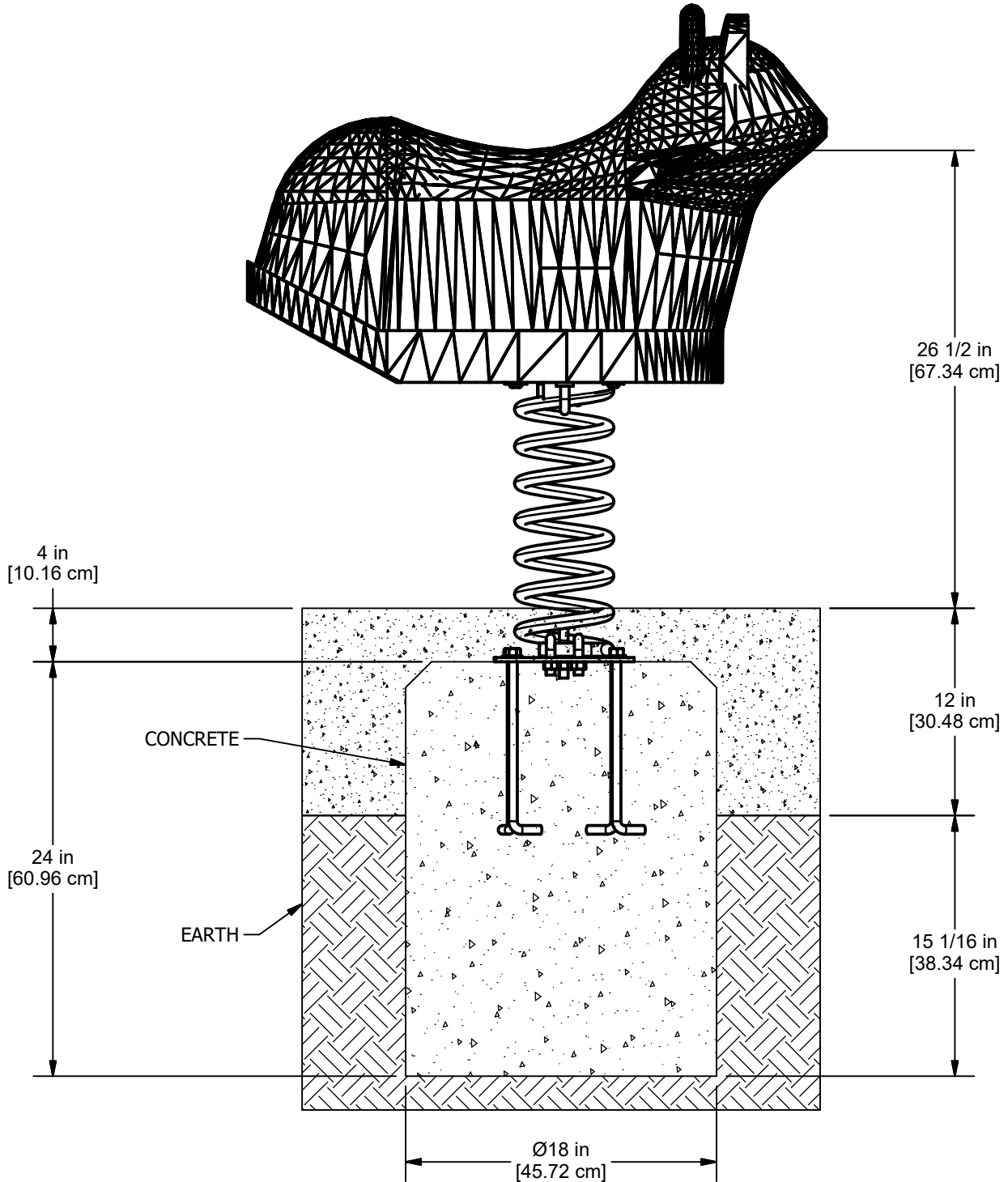
MAINTENANCE PROCEDURE:

Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check for welded areas and verify integrity. Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease. Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

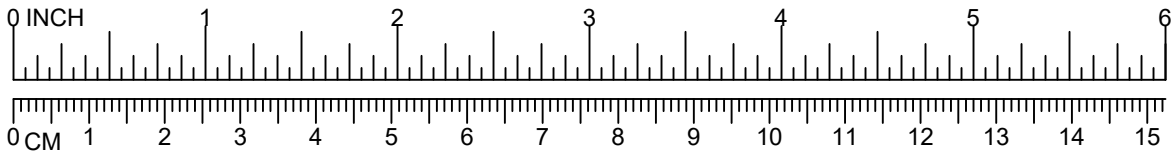


FINISHED ASSEMBLY
UP107 SHOWN

*UP107 FROG SPRING RIDER
UP108 WHALE SPRING RIDER*



***ELEVATION VIEW
UP107 SHOWN***



UP107 FROG SPRING RIDER UP108 WHALE SPRING RIDER

