

EC-031 RAIN WHEEL

PARTS LIST		
DESCRIPTION	QTY	PART NUMBER
RAIN WHEEL UPRIGHT ASSEMBLY	1	309530
RAIN WHEEL	1	308105
BACK PLATE	1	311524
HARDWARE COMPLETE	1	309536
1/2" I.D. BRONZE BUSHING	1	102820*
1/2" x 2 1/2" HEX HEAD BOLT	1	801200*
1/2" FLAT WASHER	2	817412*
1/2" LOCKWASHER	1	817342
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	3	812051*
3/8" LOCKWASHER	3	817334*
3/8" FLAT WASHER	3	817410*
ANCHOR ROD	1	135038*
PACKAGE OF BB'S	1	818326

*Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware*

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.

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. Dig footing holes as shown in Elevation and Plan Views. Refer to Top View for correct orientation.
2. Attach Back Plate Assembly to upright using 1/2" Bronze Bushing, 1/2" x 2 1/2" Hex Bolt, 1/2" Lock Washer and 1/2" Flat Washer.
Note: Do not over tighten. See Detail 406.
3. Pour entire package of BB's into hole located on the back of the Rain Wheel as shown in Detail 407.
4. Attach the Rain Wheel to the Back Plate using 3/8" x 1 1/4" P.B.H.C.S. w/PATCH, 3/8" Lock washer and 3/8" Flat washer. See Detail 407.
5. Attach the Anchor Rod to the Upright Assembly and place in footing hole. See Detail 231.

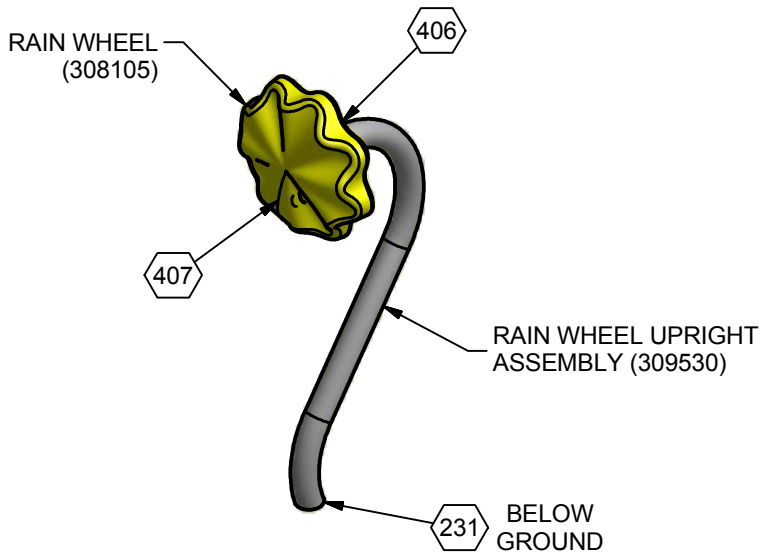
Important- When installing multiple Rain Wheels refer to Elevation, Plan Views and Top Views for correct orientation.

6. Plumb and level the entire assembly and tighten all fasteners.
7. After entire unit is assembled pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use. Temporary bracing may be required until concrete cures.
8. When the structure is finished and satisfactory, eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

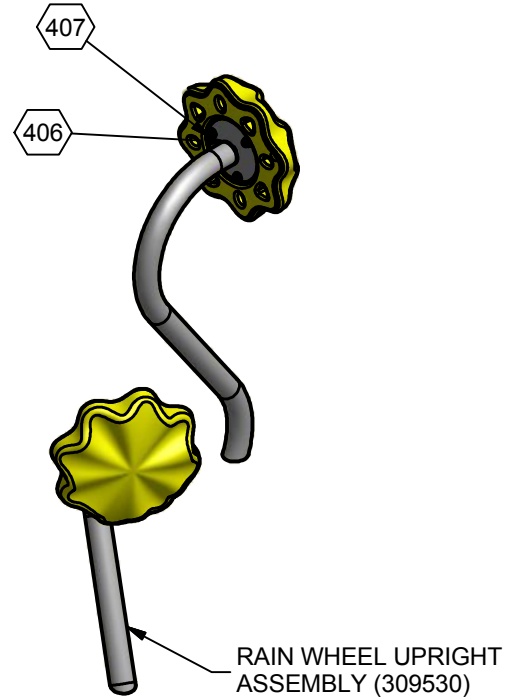
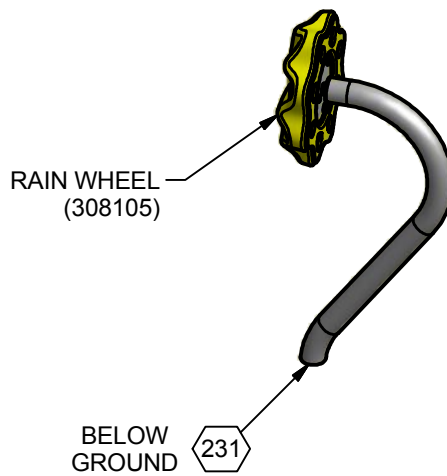
MAINTENANCE PROCEDURE:

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.

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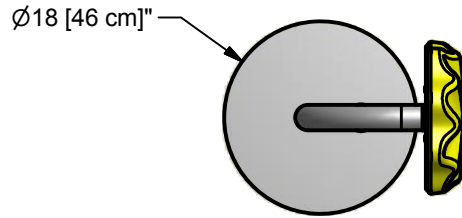
FINISHED ASSEMBLY
(SINGLE RAIN WHEEL)



FINISHED ASSEMBLY
(RAIN WHEEL CLUSTER)

 = INSTALLATION DETAIL

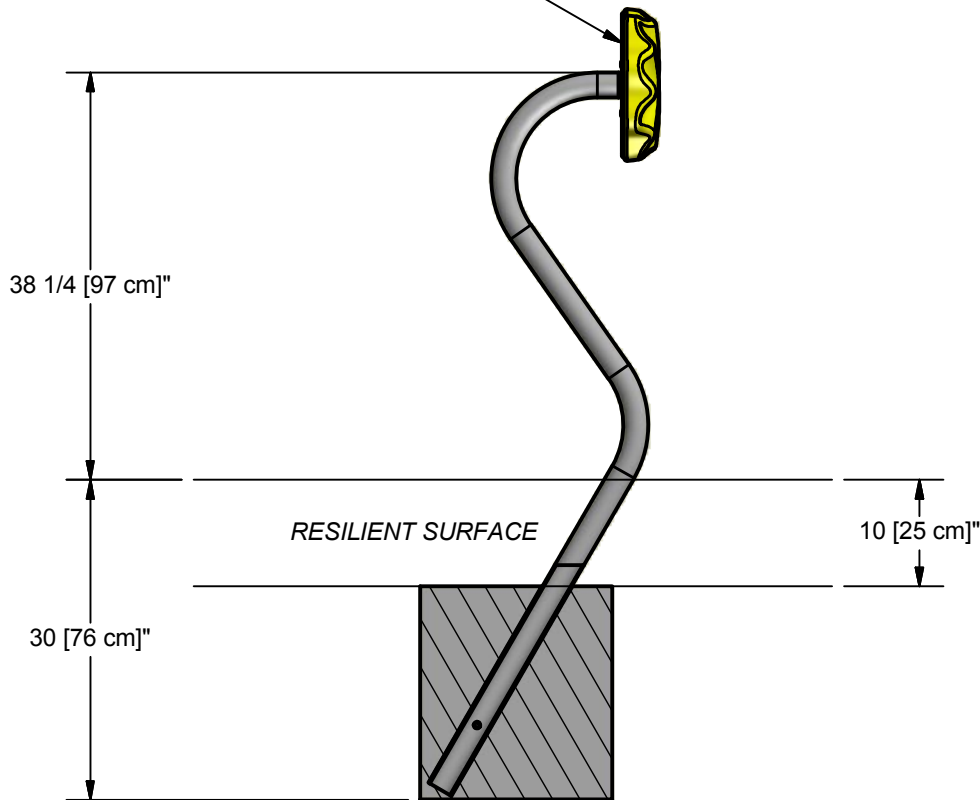
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PLAN VIEW
(SINGLE RAIN WHEEL)

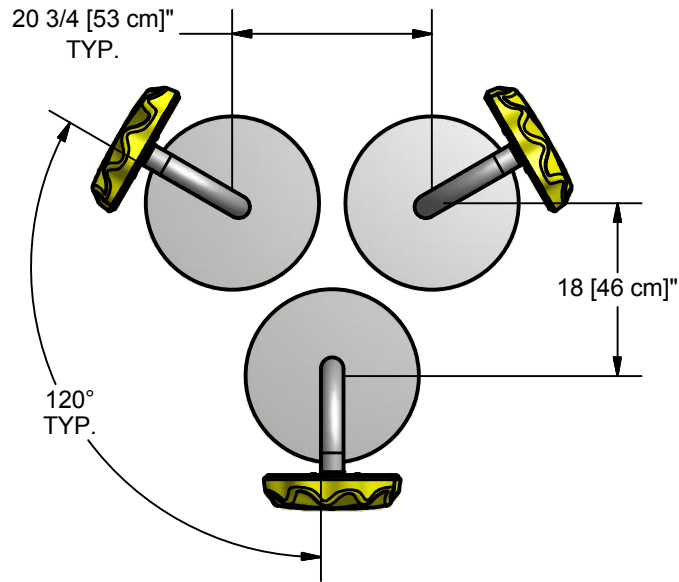
CONCRETE REQUIRED:
0.11 CUBIC YARDS
[0.08 CUBIC METERS]

NOTE: RAIN WHEEL MUST BE
POSITIONED VERTICAL



ELEVATION VIEW
(SINGLE RAIN WHEEL)

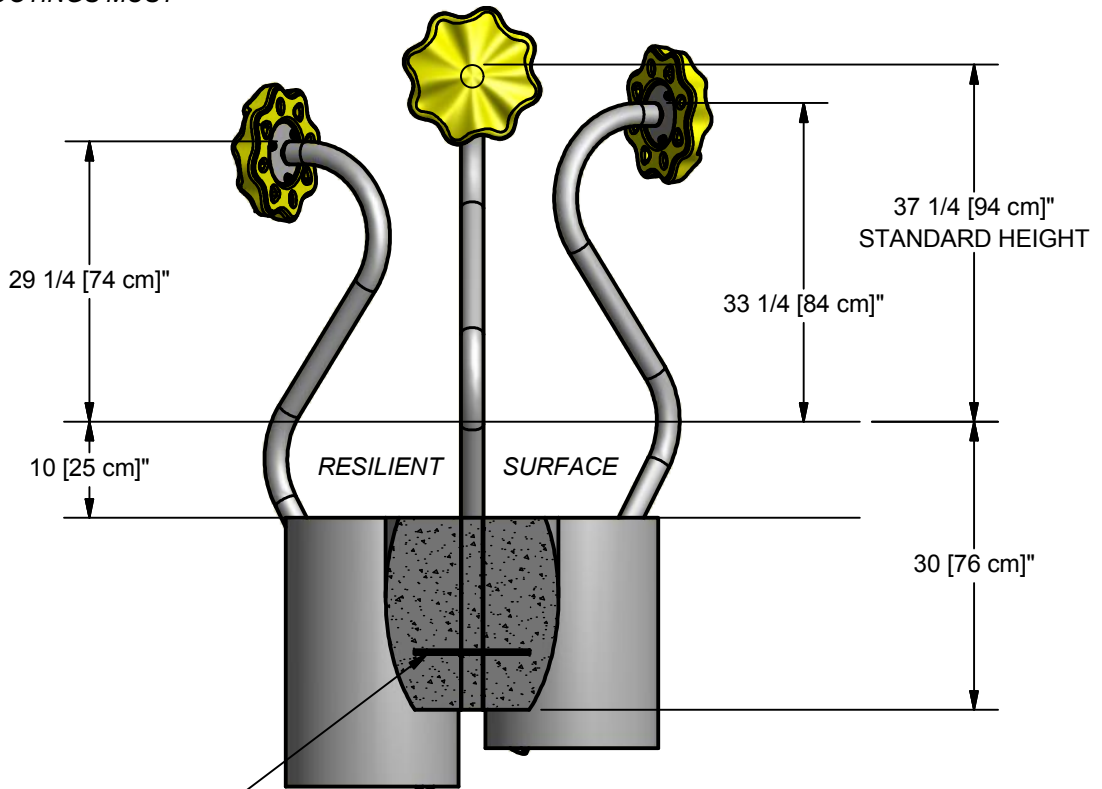
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PLAN VIEW
(RAIN WHEEL CLUSTER)

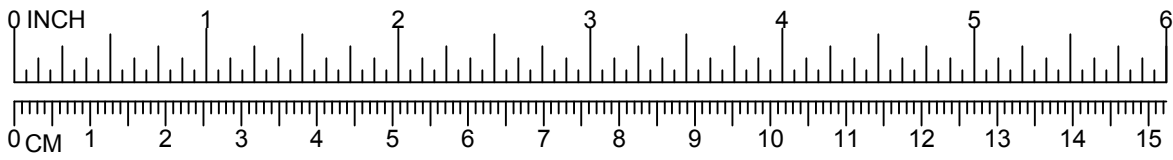
CONCRETE REQUIRED:
0.33 CUBIC YARDS
[0.24 CUBIC METERS]

NOTE: RAIN WHEEL UPRIGHT ASSEMBLIES MAY BE INSTALLED AT MULTIPLE HEIGHTS. BURY UPRIGHT ASSEMBLIES TO ACHIEVE DESIRED HEIGHT. **IMPORTANT:** MINIMUM CONCRETE DEPTH OF FOOTINGS MUST NOT BE LESS THAN 20"

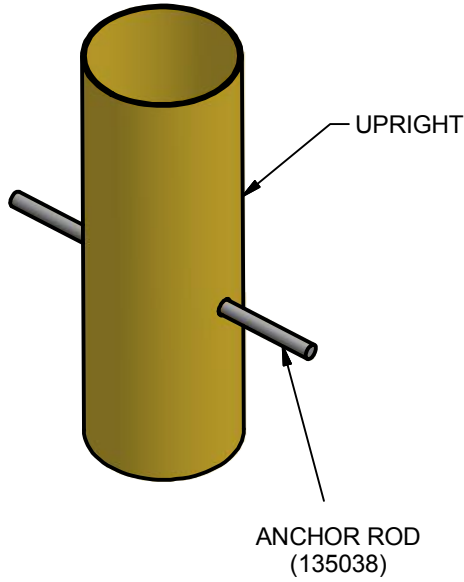


ANCHOR ROD
(135038)

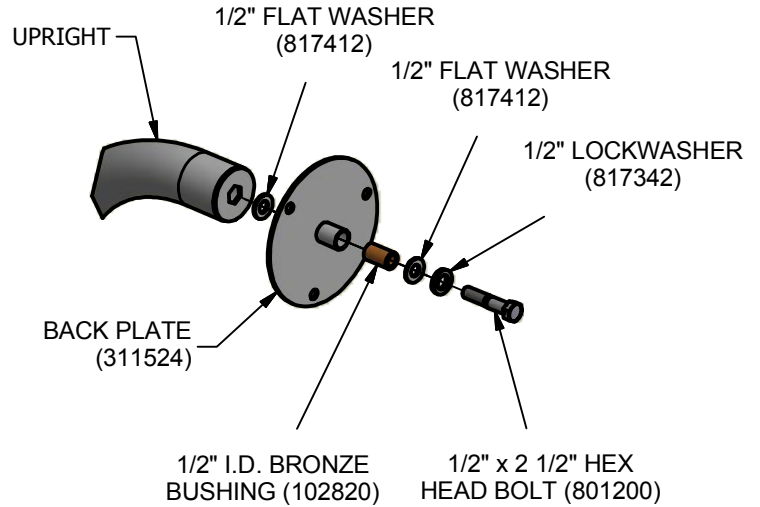
ELEVATION VIEW
(RAIN WHEEL CLUSTER)



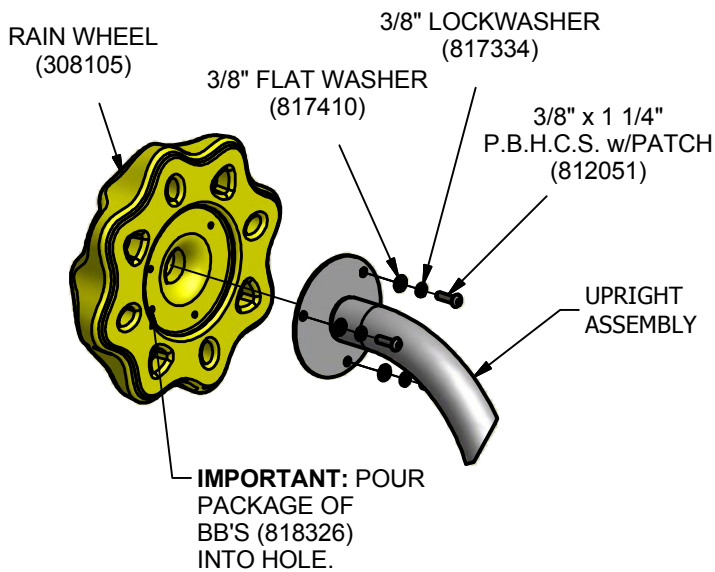
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231



406



407