play&park structures®

A PLAYCORE Company

OWNERS MANUAL



Visit www.playcore.com/shipment or use the QR code to give feedback about the condition of the shipment, quality of the product, and installation feedback.
Please include pictures.

This document includes;

- Warranty Information
- Ground Plan
- Hardware Listing
- Assembly and Installation Instructions

IPEMA MEMBER | ASTM INTERNATIONAL | ISO 9001

playandpark.com | 800.727.1907

Owner's Manual 5428626

play&park structures®

A PLAYCORE Company

Dear Play & Park Customer,

Thank you for choosing to purchase and install a Play & Park Structures play system. We appreciate the confidence and trust you have placed in our company.

Your Play & Park Structures Installation Guide is enclosed. We designed this manual specifically for the products you have purchased. Included in this manual you will find the following documents:

- Product Installation Instructions
- 2-D Top View Drawing specific to your structure
- Ground Plan

If you have any questions concerning your new equipment, you can reach your recreation consultant by calling 1-800-727-1907. To contact a Play & Park Structures customer service representative, you may call 1-888-404-5737 or reach them online by sending an email to: customerservice@playandpark.com

For more information on Play & Park Structures products, please do not hesitate to call us, or visit us online at www.playandpark.com.

Thank you for your business; we look forward to working with you on future playground equipment projects!

Sincerely,

Play & Park Structures

Safety Guidelines

Maintaining your playground equipment as well as its surrounding area is essential to minimizing the risk of injury to users as well as maximizing its useful lifespan. Play & Park Structures STRONGLY recommends that you follow these Safety Guidelines in conjunction with conducting periodic maintenance inspections using the accompanying Playground Maintenance Checklist.
When installing, always consider local conditions and codes. Good common sense works hand-in-hand with the instructions.

LOCATING YOUR PLAY STRUCTURE

Comply with the following when choosing the location for your new equipment:

- Equipment should be placed to eliminate conflicting traffic patterns. As a general rule, allow at least 6' of free space around the entire structure, EXCEPT for slide exits, which require a distance X equal to highest point of sliding surface with a minimum of 72" and maximum of 96" from the edge of the slide. Example: a Slide from a 6' high deck requires 6' of clear space with resilient surfacing in front of and behind them for safe circulation. Example: a Swing with a 8' high beam requires 16' of free space in front, and another 16' behind it, for a total of 32'. These minimum areas should be filled with the appropriate resilient surface material. See below for resilient surfacing recommendations.
- If your equipment includes any metal slides, they should be positioned in a shaded area, or at least positioned to avoid the sun's direct rays.
- Never overlap the safety zones of adjacent equipment. All separate play equipment must have its own safety zone, and these cannot overlap. So, if you have an existing structure with a slide exit oriented toward your new one, add your minimum safety zone to that of the existing slide to determine how far away you need to be.
- Never install playground equipment near, around, or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

CHOOSING RESILIENT SURFACING MATERIAL

Playground equipment must be installed on a soft, resilient, energy-absorbing ground surface.
NEVER INSTALL PLAY EQUIPMENT ON CONCRETE, ASPHALT, OR GRASS. A fall on a hard surface from even a low platform of 3' high can result in serious injury to the user. Refer to CPSC and ASTM F1292 for recommended surfacing depths and requirements.

Tip: If your surfacing material is of the loose variety, checking for proper depth over time can be made easy by applying a non-removable florescent tape or paint in a bright color at the proper level on each post. Thereafter, as the resilient surfacing material compacts or washes away, the person responsible for regular maintenance inspections can easily see it must be replenished as the marks become visible.

AFTER THE EQUIPMENT IS IN USE

- Never add components not intended for use with this product.
- Never install other play equipment, fencing, landscaping, etc., which encroach upon the safety zones of this equipment.
- Check to make sure that there are no overhead obstructions within the use zone of the playground equipment that are not part of the play structures (example: tree limbs). Any overhead obstructions should be at least 84" above each platform or designated play surface or 84" above the pivot point of swings. All overhead utility line clearances above the use zone area should comply with all local, state and national codes.
- Regularly inspect and maintain your playground equipment and its surrounding area. Proper maintenance of Play & Park Structures equipment includes using the accompanying Playground Maintenance Checklist to identify areas requiring repairs or replacement, and barricading the equipment to prevent use while corrections are being made.
- If your playground equipment includes any wood components, bolts may need to be re-tightened after initial use due to wood shrinkage. Check and re-tighten all fasteners after the first few days of use, and again after the first 3 weeks of use. Thereafter, exercise normal maintenance procedures. Using a thread-locking compound on the threads of bolts can help prevent persistent loosening.
- 'S' hooks must be completely closed. Replace all worn 'S' hooks, and never re-use 'S' hooks.
- Pipes should never be allowed to turn. In the case of wood playground equipment, make sure all collars are snugly flush against the inside of posts with set screws tightened and wood screws flush against the outside of the collar, and all flat head bolts and set screws are tight. In the case of steel playground equipment, check set screws for tightness.

For specific information regarding playground safety and your responsibilities as the owner of this equipment, please contact the Consumer Product Safety Commission (CPSC), Washington, DC. for the latest guidelines for your play area and this equipment.

If any conditions or damages are discovered in violation of these Safety Guidelines or the accompanying Playground Maintenance Checklist, the play equipment should be barricaded immediately and children should not be allowed to use it until the conditions are corrected.

Introduction to Installation Instructions

Revised 03.29.16

IMPORTANT! Please read the entire Installation Instructions packet before beginning the installation.

Play & Park Structures has designed the SuperMax, DuraMax, totmax, Skyline, Boulderscapes and Horizons Play Systems to take advantage of all Consumer Product Safety Commission (CPSC) Guidelines and ASTM standards in force at the time of purchase in an effort to help reduce the chance of playground accidents. However, because studies have shown most playground injuries result from accidental falls, you, as the new owner of this equipment, are responsible for providing and adequately maintaining ***resilient play surfacing*** under and around all playground equipment. Please refer to the accompanying Safety Guidelines as well as CPSC guidelines and this document for examples of such surfacing.

We would like to provide the following suggested guidelines for your play environment:

- Refer to the Footing Diagram and note the Minimum Area Required shown for this structure. This area must be filled with adequate resilient play surface material, and must be clear of all obstacles, including but not limited to trees, curbing, sidewalk, fence, other play equipment, rocks and landscaping, etc.

- Acceptable play surfaces include sand, wood mulch, fine gravel or ground belt-less tires, if installed at the appropriate depths per CPSC guidelines for play surfacing.

- When using sand, wood mulch, or ground belt-less tires, a minimum of 6" depth is recommended by the CPSC. Play & Park Structures recommends an additional 4", for a total of 10", to combat the fast compacting characteristics of these materials. Surfaces must be checked at least weekly for compacting, which reduces resiliency significantly.

- Paved surfaces such as asphalt, concrete, gravel or sod are not acceptable for use under playground equipment, or anywhere within the stated Minimum Area Required.

- Close supervision of children playing on or around the structure is strongly recommended, along with classroom and/or home instructions on acceptable behavior on the playground equipment. The full supervision of playgrounds is the responsibility of the owner once the play structure has been properly installed.

TOOLS REQUIRED:

Play & Park Structures supplies the special bits required to fasten the "tamper-resistant" bolts. You will need common tools such as wrenches, Allen key set, drill, string line, level, mallet, shovels, post hole digger, pry bar, washable felt tip marker and a tape measure.

INSTALLATION GUIDELINES:

1. Compare all parts received to the packaging list. Notify Play & Park Structures immediately of any missing parts. We are not responsible for parts discovered missing over 10 days after receipt of the shipment.

2. Refer to your Footing Diagram to ensure this structure will fit into your actual site area. Note the Minimum Area Required measurements to determine clear space required. A minimum of 6' clearance is required between any obstacles and your structure. EXCEPT for slide exits, which require a distance X equal to the highest point of sliding surface with a minimum of 6' and a maximum of 8' from the edge of the slide (example: A slide from a 6' high deck requires 6' of clear space with resilient surfacing in front of its exit).

3. Site selection should include considerations of what is a safe and appropriate play area:
   a. A level and clear site is ideal, free of power lines or electrical equipment.
   b. Do not install play equipment near any bodies of water.
   c. If adjacent to a street with traffic, ensure adequate fencing acts as a barrier to children running into danger.

4. Site layout should include accurate measurement and marking of all footings prior to any installation. Use the dimensions shown between footings on the Footing Diagram to plot out the actual footprint of the play structure before doing any digging. Also, locate any free-standing play equipment in the same way, providing the necessary clearance between the equipment as well as any fences, trees, etc. Ensure at this time that you have enough total space for the equipment to be installed.

5. Excavate holes as shown in the Footing Diagram using a string line. An optional string line level is very helpful. If a level and clear site is not possible, adjust the depth of the footings to maintain a minimum depth of 18 in. for support posts at the lowest grade. NOTE: if soil conditions are very loose or otherwise unstable, a larger diameter footing may be required. Consult with local contractors for appropriate recommendations.

6. Begin your SuperMax, DuraMax, totMax , Skyline, Horizons, and BoulderScapes Play Systems installation by erecting the decks as shown within the following instructions.
   IMPORTANT: Do not concrete product until installation is complete!
   Once all decks are installed, components such as slides, climbers, etc., can be connected per their respective assembly instructions. Note that connecting components between decks such as Horizontal Ladders, Crawl Tunnels, Trapeze Beams, etc., should be installed concurrently with the decks to ensure they meet accurately.

7. CPSC guidelines mandate that there should be no gaps present in the playground equipment which fall between 3 ½" and 9". The positioning of certain components by the installer can affect this criteria, so you should always measure distances created when attaching components by the installer, which can cause entrapment of a child using the equipment. Also, ASTM requires that no more than 2 threads of bolt can protrude from the nut. Any excess threads should be filed down and made smooth to the touch.

8. When concrete is poured, be sure to keep the top 4" below the grade, and sloped away from the post to promote good water drainage. Wash off any concrete, which may have splashed onto the post before it dries. Allow all concrete to harden a minimum of 48 hours before using equipment.

SAFETY DURING INSTALLATION:

1. Before doing any excavation, inquire about any existing underground utilities.

2. Do not leave the job site unattended without making sure that all fastening hardware on all equipment are tightened and all Drive Rivets are in place to prevent clamps from moving, in case of unauthorized use. **PLAY & PARK STRUCTURES CLAMPS ARE NOT DESIGNED TO SUPPORT HUMAN WEIGHT WITHOUT THE DRIVE RIVETS INSTALLED, AND SUCH USE COULD CAUSE INJURY TO THE USER AND/OR DAMAGE TO THE EQUIPMENT.** It is also strongly recommended that all installation areas be roped off with clearly marked warning signs posted. Any open footings should be covered with plywood or other suitable material. Even during installation, it has been found that children will use the unattended equipment, thereby risking accidents.

3. The installation area should remain roped off for at least 48 hours after the last concrete footer is poured. Children should not be allowed to use the equipment during this period so that concrete has a chance to fully set.

4. Do not attach swing chains, trapeze rings or similar moving components until after all construction is complete and resilient surfacing material has been installed. Remember that any equipment, which appears to be complete and functional will invite unauthorized use regardless of its actual state of readiness.

Finally, if you should have any questions regarding the proper installation of this equipment, please contact Play & Park Structures at:

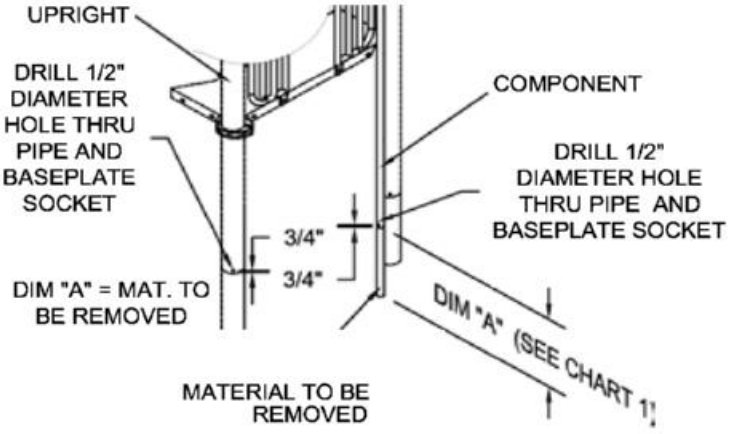
544 Chestnut Street, Chattanooga, TN 37402
TOLL Free: 800.727.1907 FAX: 423.425.3172
EMAIL: customerservice@playandpark.com
Visit our website: www.playandpark.com

play&park structures

60855 SURFACE MOUNT INSTALLATION INSTRUCTIONS FOR PARK STRUCTURES

ISSUED/REVISED: 08/07/14

NOTE: 2", 8", 10" LENGTH INDICATES THE SURFACING DEPTH. ALL COMPONENTS ARE SHIPPED AS STANDARD 30" INGROUND LENGTH. (20" DEEP HOLES & 10" SURFACING)



IMPORTANT: CHECK ALL GROUND MEMBER LOCATIONS TO COMPENSATE FOR SLOPE ***BEFORE*** CUTTING!

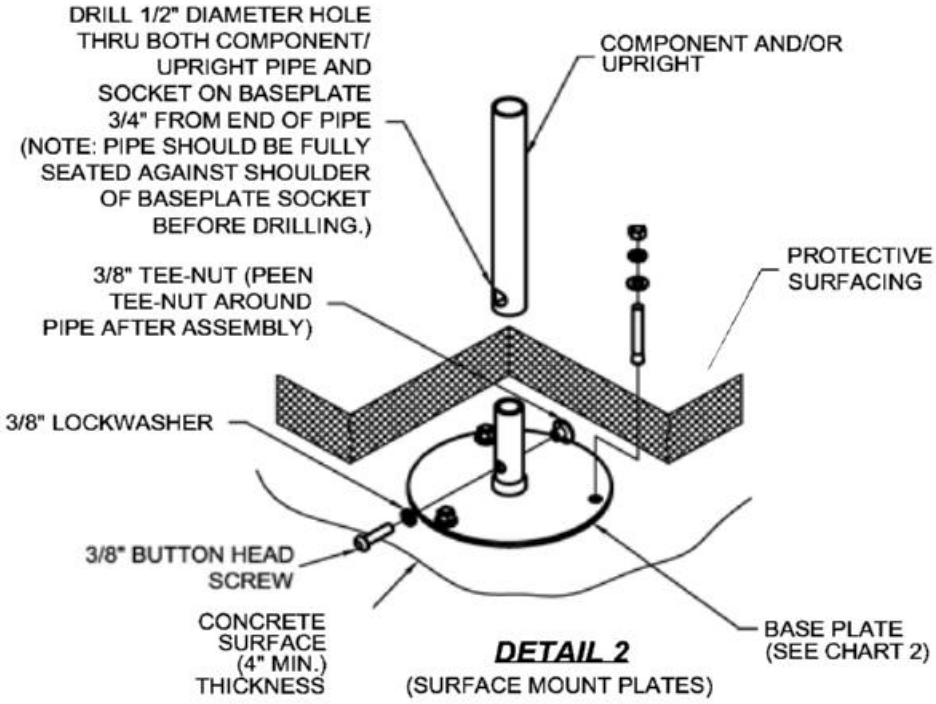
CHART 1

SURFACING DEPTH	MATERIAL TO BE REMOVED	
	W/OUT EXT.	W/6" EXT.
2"	28 11/16"	22 11/16"
8"	22 11/16"	16 11/16"
10"	20 11/16"	14 11/16"

NOTES:
1. DIM "A" = MATERIAL TO BE REMOVED.
2. SOME INGROUND COMPONENTS REQUIRE EXTENSIONS. REVIEW YOUR STANDARD INSTALLATION SHEET IF EXTENSIONS ARE REQUIRED. ADJUST MATERIAL TO BE REMOVED ACCORDINGLY.
i.e. A COMPONENT REQUIRING 6" EXTENSIONS, AND IF SURFACING DEPTH IS TO BE 2", MATERIAL TO BE REMOVED WILL BE 22 11/16"

DETAIL 1

(FOR SURFACE MOUNT INSTALLATIONS)

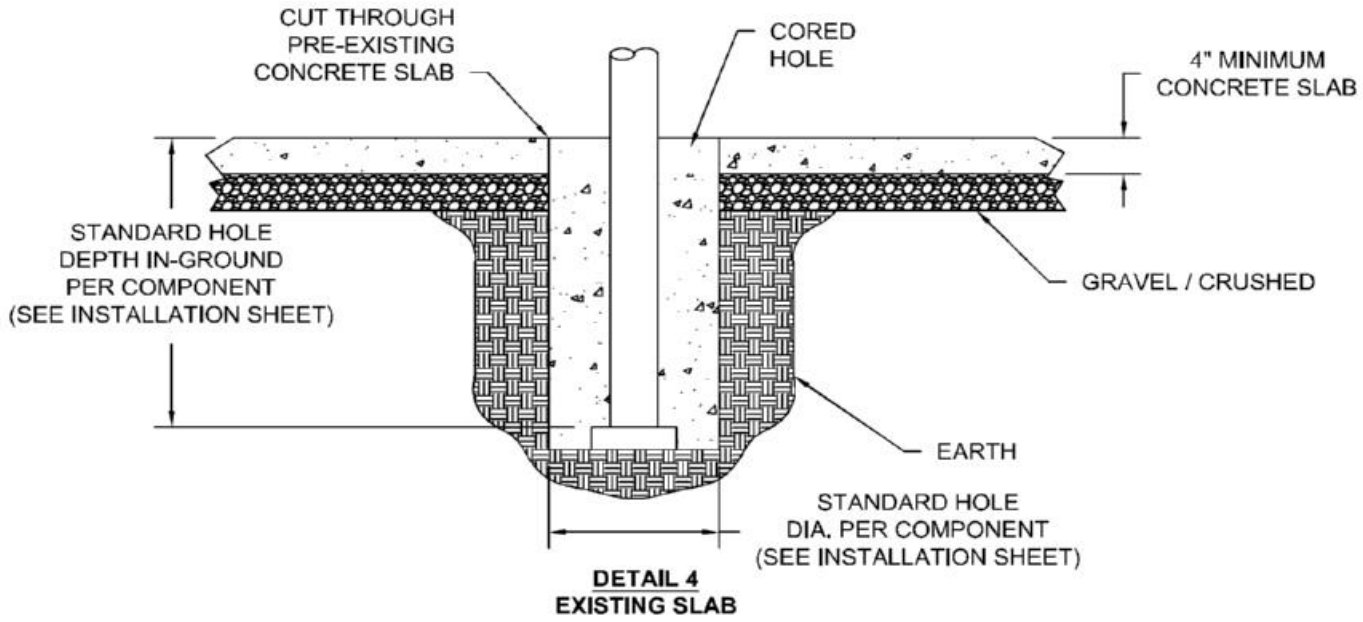


DETAIL 2

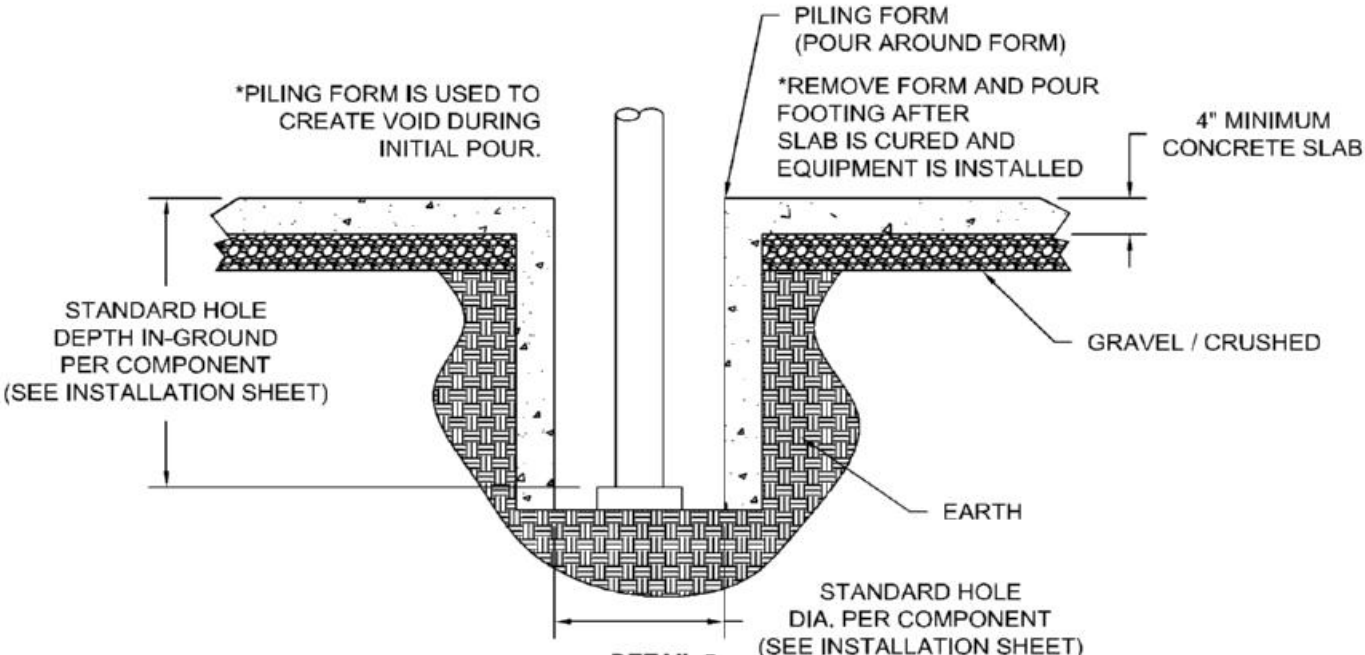
(SURFACE MOUNT PLATES)

CHART 2

NUMBER	O.D.	BASE PLATE
404765	1.029"	404764
60855	1 5/16"	152850
60856	1 5/8"	152851
60857	1 7/8"	152852
60858	2 3/8"	152853
60859	2 7/8"	152854
60860	3 1/2"	152856
60861	5"	152855



DETAIL 4
EXISTING SLAB



DETAIL 5
NEW SLAB

SURFACE MOUNT INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Concrete requirements for Suface Mount shall be 4" minimum thickness w/ 3000 psi.
3. For Surface Mount, remove required length of component and/or upright as indicated in **DETAIL 1**. See ***CHART 1*** for the material length to be removed. (Required for 2", 8" or 10" surface mount only.) ***Note:*** Debur and remove any sharp edges on part after cut is made.
4. Drill 1/2" diameter hole thru component/uprights and baseplate socket 3/4" from end of pipe. The pipe should be fully seated against neck of socket before drilling holes.
5. Attach Component to base plate as shown in **DETAIL 2.** See ***CHART 2*** for the specific base plate required for the diameter pipe being used. (Required for 2", 8" or 12" Surface mount only.)

IMPORTANT: Some components such as slides, chinning bars, nets, climbers, etc. may require "cored" holes to help eliminate movement when installed. Refer to Ground Plan configuration to determine if "cored" holes are required.

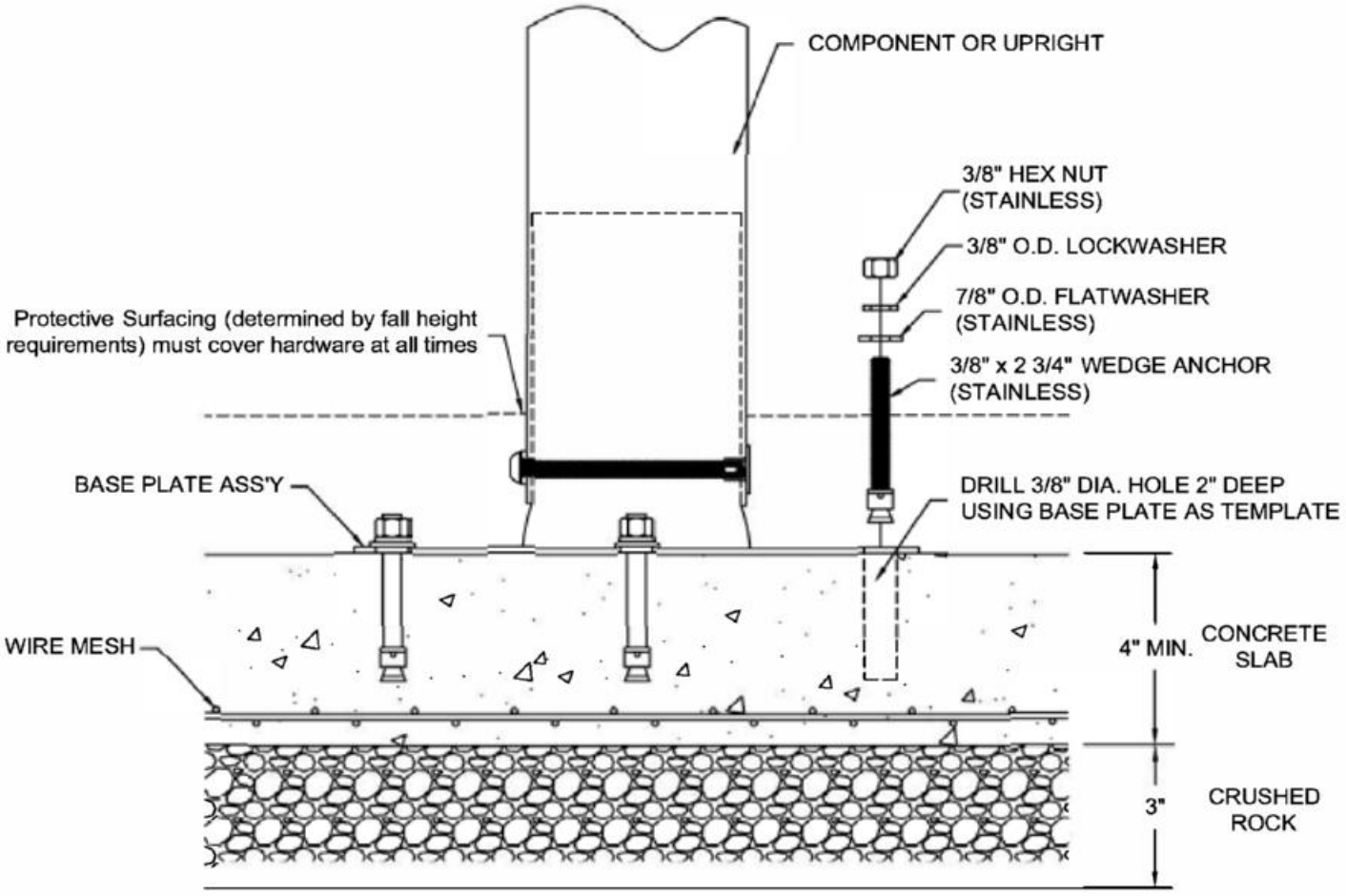
NOTE: If concrete slab is pre-existing and a cored hole is required it must be drilled through exisitng concrete to allow for concrete footing. Review your standard installation sheet for correct size and location of cored hole. See Detail 3.

NOTE: Cored holes can be created prior to concrete pour by using piling forms to create a void when pouring. See Detail 4.

NOTE: If a base plate interferes with an insert required for a below deck component that base plate will require a notch to be applied in the field.

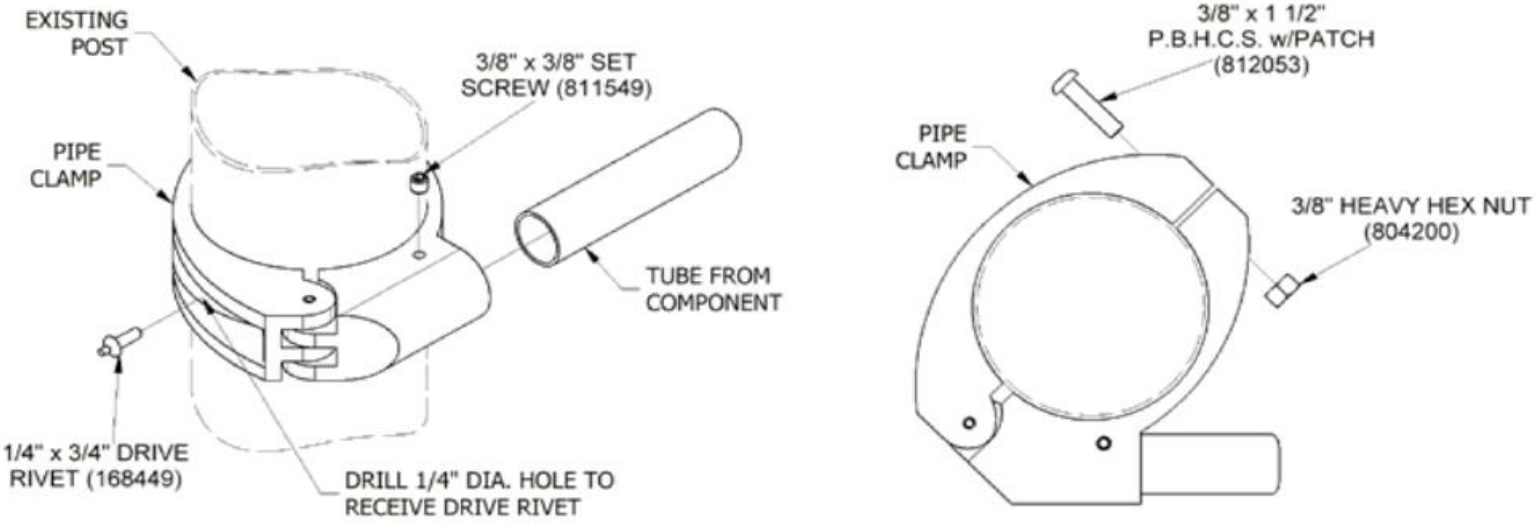
CONCRETE SPECIFICATIONS

1. Depth of concrete must be 4" minimum with wire mesh reinforcement.
2. Base shall be 3" crushed rock over compacted subgrade.
3. Minimum 7 days cure-full cure after 28 days.
4. Concrete rating shall be 3,000 PSI (minimum), 28 days 3,500 PSI.



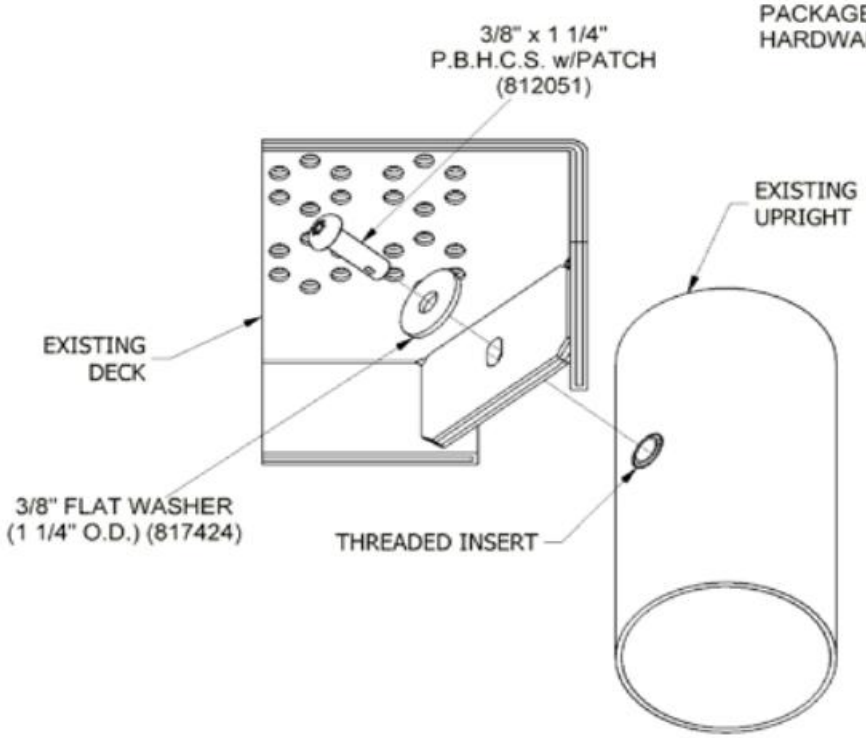
DETAIL 3
SIDE VIEW OF SURFACE MOUNT

Clamp Assembly Details



TYPICAL DURAMAX PIPE CLAMP ASSEMBLY

NOTE: CLAMPS AND HARDWARE SHOWN ARE PACKAGED WITH INDIVIDUAL COMPONENT HARDWARE COMPLETE PACKAGES.

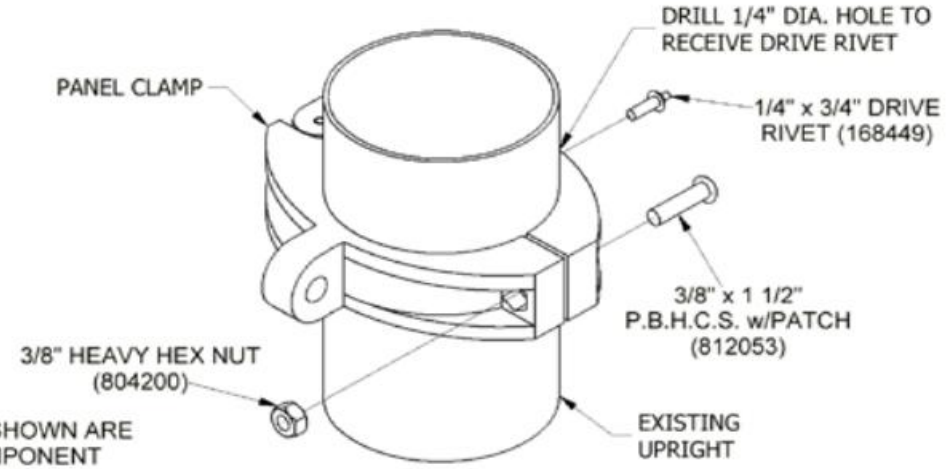


TYPICAL DURAMAX DECK CONNECTION

Issued/Revised: 4/4/2016

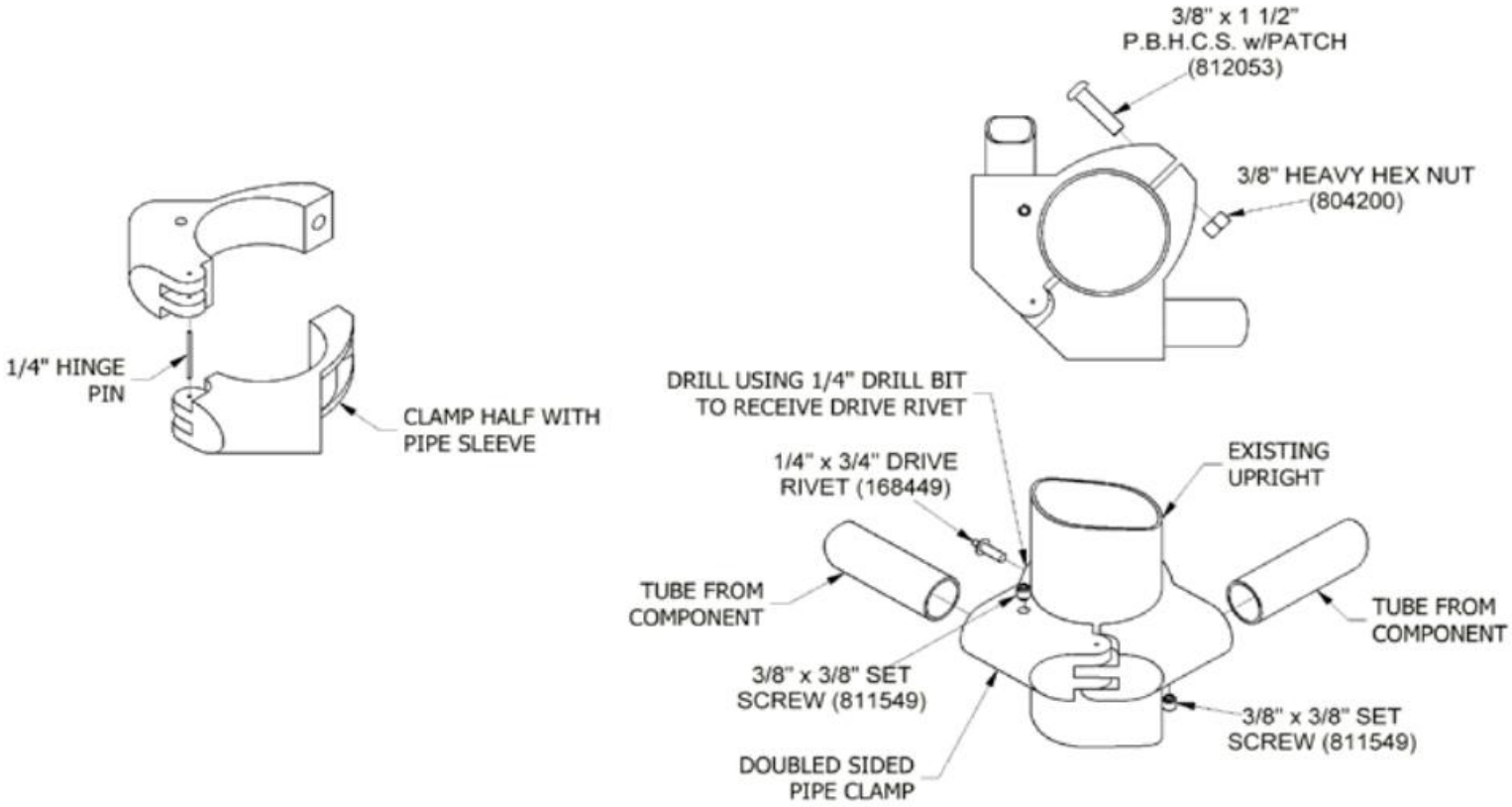
SHEET 1 OF 2

Clamp Assembly Details



NOTE: CLAMPS AND HARDWARE SHOWN ARE PACKAGED WITH INDIVIDUAL COMPONENT HARDWARE COMPLETE PACKAGES.

TYPICAL DURAMAX PANEL CLAMP ASSEMBLY



DURAMAX APPLICATION: To attach two components at 90 degrees to each other on the same square deck. Use when clamp conflicts do not allow you to use seperate clamps for each component.

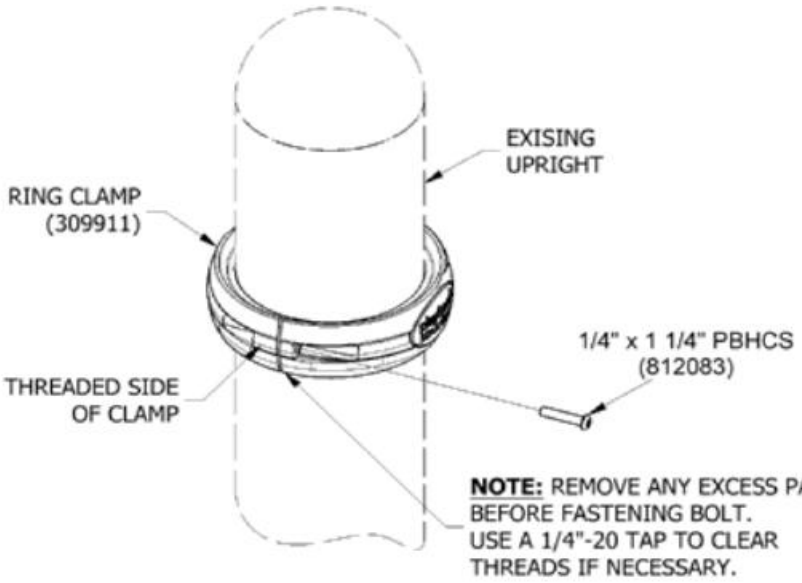
ASSEMBLY INSTRUCTIONS: Use two regular Pipe Clamps and remove hinge pins. Select clamps with pipe sleeves to create the Double Sided Pipe Clamp. Insert hinge pin back into clamps as shown above.

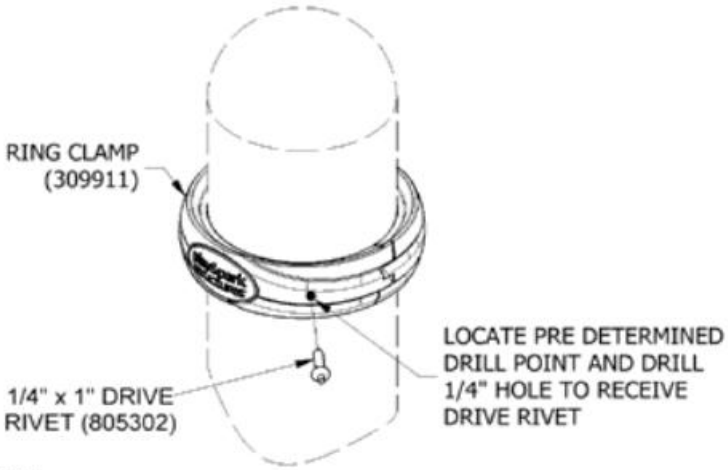
TYPICAL DURAMAX DOUBLE SIDED PIPE CLAMP ASSEMBLY

Issued/Revised: 4/4/2016

SHEET 2 OF 2

Clamp Assembly Details





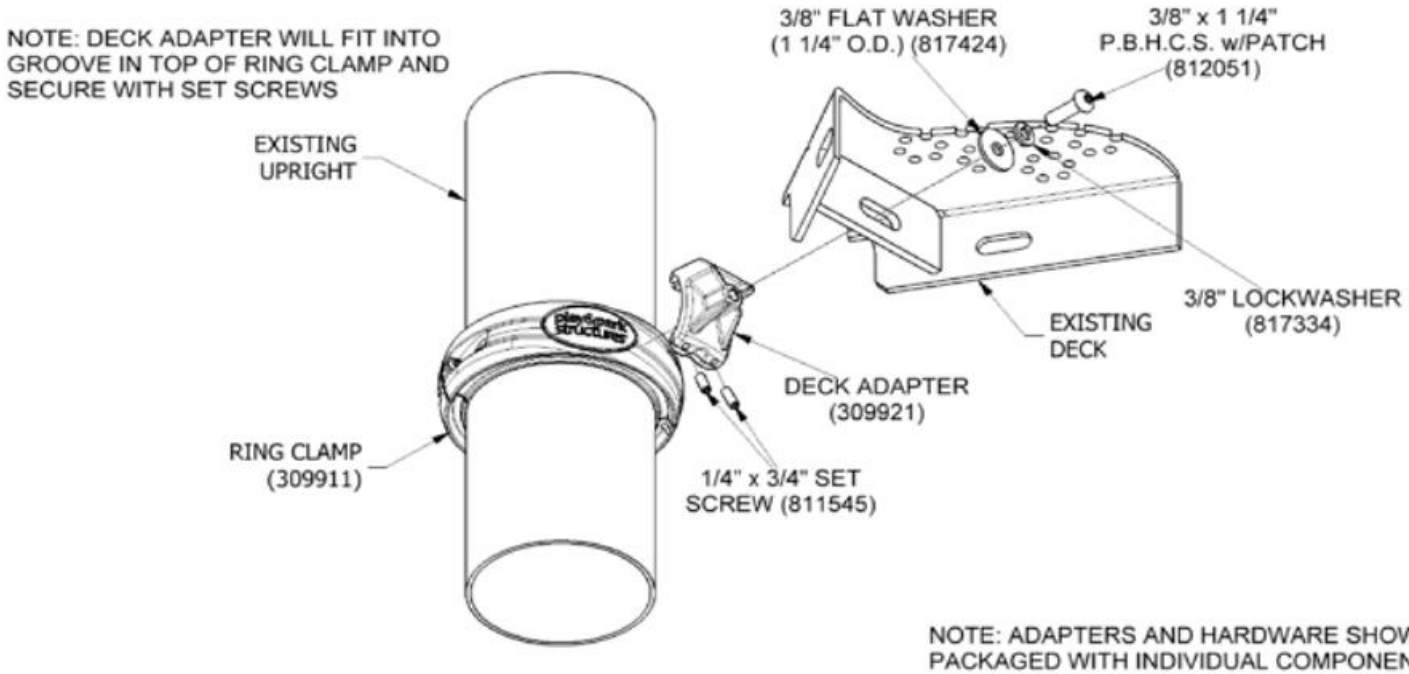
NOTE: THE USE OF LOCTITE IS IMPORTANT.

IMPORTANT: ORIENTATION OF BOLT IS CRITICAL.

NOTE: THE RING CLAMP WILL HAVE A SMALL GAP AT THE CONNECTION POINT AFTER ATTACHED. THE GAP IS DESIGNED FOR DRAINAGE AND TO ENSURE A PROPER FIT.

NOTE: MAKE SURE THE PLAY & PARK STRUCTURES LOGO IS ORIENTED CORRECTLY AND VISIBLE FROM GROUND LEVEL.

TYPICAL SUPERMAX RING CLAMP ASSEMBLY



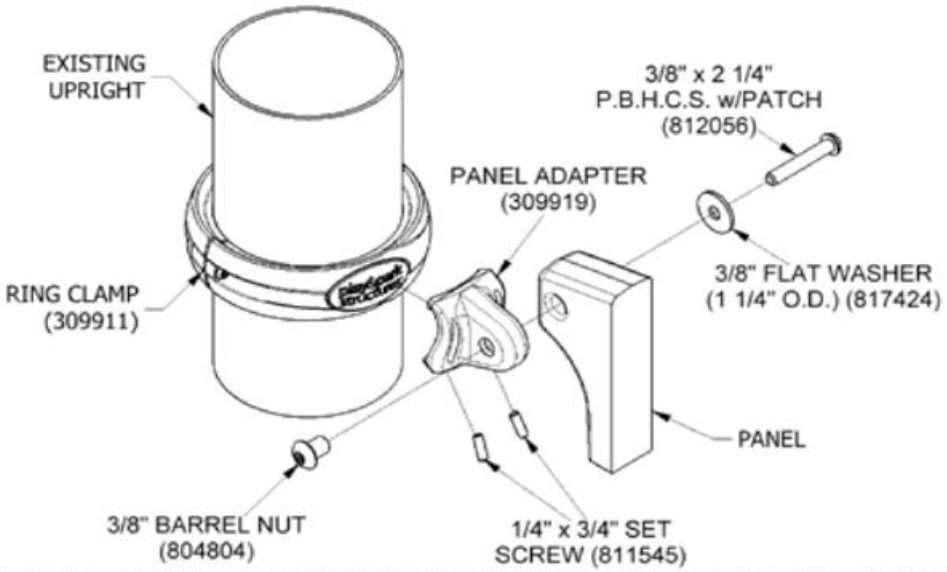
NOTE: ADAPTERS AND HARDWARE SHOWN ARE PACKAGED WITH INDIVIDUAL COMPONENT HARDWARE COMPLETE PACKAGES

Issued/Revised: 4/11/2016

TYPICAL SUPERMAX DECK CONNECTION

SHEET 1 OF 2

Clamp Assembly Details

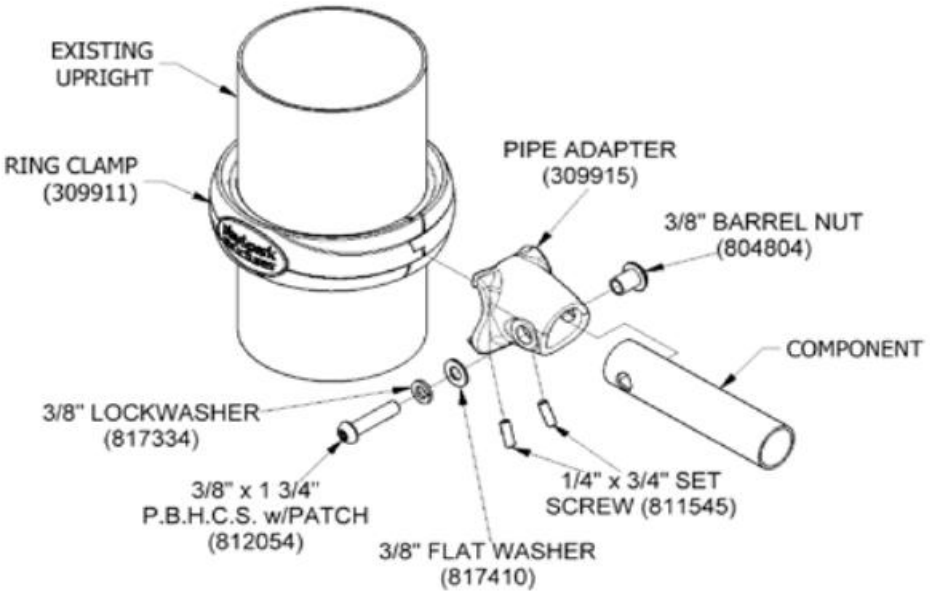


NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.

TYPICAL SUPERMAX PANEL ADAPTER ASSEMBLY

NOTE: PIPE ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.



TYPICAL SUPERMAX PIPE ADAPTER ASSEMBLY

Issued/Revised: 4/11/2016

SHEET 2 OF 2

DETAILED MAINTENANCE RECORD

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Play Area Site Name _____

Play Area Location or Description _____

Date _____ Inspector _____

Item Number	OK	Problem	Solution	Date Repaired	Initials

PLAYGROUND MAINTENANCE CHECKLIST

play&park structures
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Maintaining your playground equipment as well as its surrounding area is essential to minimizing the risk of injury to users as well as maximizing its useful lifespan. Play & Park Structures recommends the following maintenance procedures be followed:

On a daily basis: A responsible individual should conduct a brief visual check for structural defects, signs of vandalism and litter of foreign matter that needs to be removed.

On a weekly basis: A responsible individual should complete this checklist. Any required repairs should be detailed on the separate **Detailed Maintenance Record**, and once they are completed, both should be filed for future reference. A separate file and form should be kept for each play structure at each location.

IMPORTANT: Always refer to - and comply with - the separate *Safety Guidelines* and ASTM and CPSC Guidelines. The play structure(s) should be barricaded so that it cannot be used while repairs are being completed.

	Item to be Checked (use the following page to record a brief description of the necessary repairs)	**OK**	**Repairs Required**	**Date Repaired**
A.	**Play Structures in General**			
	Post and component footings are not exposed, cracked or loose			
	1. Clamps show no signs of slippage, cracking, or failure			
	2. Clamp drive rivets and hardware are secure			
	3. Welds are intact and free of cracks			
	a. Slide and Deck Enclosures			
	b. Overhead Activities			
	c. Climbers			
	4. No rust or corrosion			
	5. No splintered, cracked, gouged or otherwise deteriorated plastics; check for integrity of the plastic, keep plastic clean of any extraneous substances, verify that any deformation does not create an entrapment as specified on ASTM-F-1487 section 6.			
	6. No scratched, chipped, or peeling paint			
	7. Metal parts show no visible cracks, bending, warping or breakage			
	8. No missing bolts, nuts, etc.			
	9. All bolts, nuts, and fasteners are tight			
	10. All joints are secure (pay special attention to sectional slides, flush mounted decks, and pipe connections)			
	11. All swivels, bearings, grease fittings, and moving parts are well lubricated and not excessively worn (pay special attention to tire swings, tot swings, strap swings, track rides, and trapeze rings)			
	12. No broken or missing parts			
	13. No sharp edges or unsafe protrusions (check metal corners, bolts, etc.)			
	14. No exposed mechanisms, junctions of moving parts or components that will pose possible pinch or crush points			
B.	**Play Events**			
	1. Plastic is not cut or cracked			
	2. All slide supports/anchors are intact and secure			
	3. All 'S' hooks are closed and not excessively worn			
	4. Clatter bridge chain and connections are not excessively worn, especially at connection points			
	5. Connectors and Chain have free movement			
C.	**Surrounding Area**			
	1. Resilient surfacing material is not scattered or excessively worn			
	2. Resilient surfacing material is adequately deep and retains its fall absorbing abilities as specified at the time of installation			
	3. Border around playground is in good condition and has not come loose			
	4. No roots, rocks, or other objects that may cause a tripping or injury hazard			
	5. Area is clean of litter (no broken glass or bottles, etc .)			

This equipment is designed for children 2-5 or 5-12 years old

7200 ANSWER WHEEL ASSEMBLY, 7201 MAZE ASSEMBLY, 7202 ECHO CHAMBER ASSEMBLY, 7205 STAINED GLASS-YELLOW, 7206 HYPNO WHEEL ASSEMBLY, 7207 STAINED GLASS-GREEN, 7208 BUBBLE MIRROR ASSEMBLY

PARTS LIST								
DESCRIPTION	7200	7201	7202	7205	7206	7207	7208	PART NUMBER
ANSWER WHEEL ASS'Y	1	0	0	0	0	0	0	316045
MAZE ASS'Y	0	1	0	0	0	0	0	316049
ECHO CHAMBER ASS'Y	0	0	1	0	0	0	0	316047
STAINED GLASS-YELLOW	0	0	0	1	0	0	0	316051
HYPNO WHEEL ASS'Y	0	0	0	0	1	0	0	316048
STAINED GLASS-GREEN	0	0	0	0	0	1	0	316050
BUBBLE MIRROR	0	0	0	0	0	0	1	316046
TRIANGLE HOUSING	2	2	2	2	2	2	2	**
SCREW CAP	6	6	6	6	6	6	6	**
SCREW, FLAT WASHER, RETAINER	3	3	3	3	3	3	3	**

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

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:

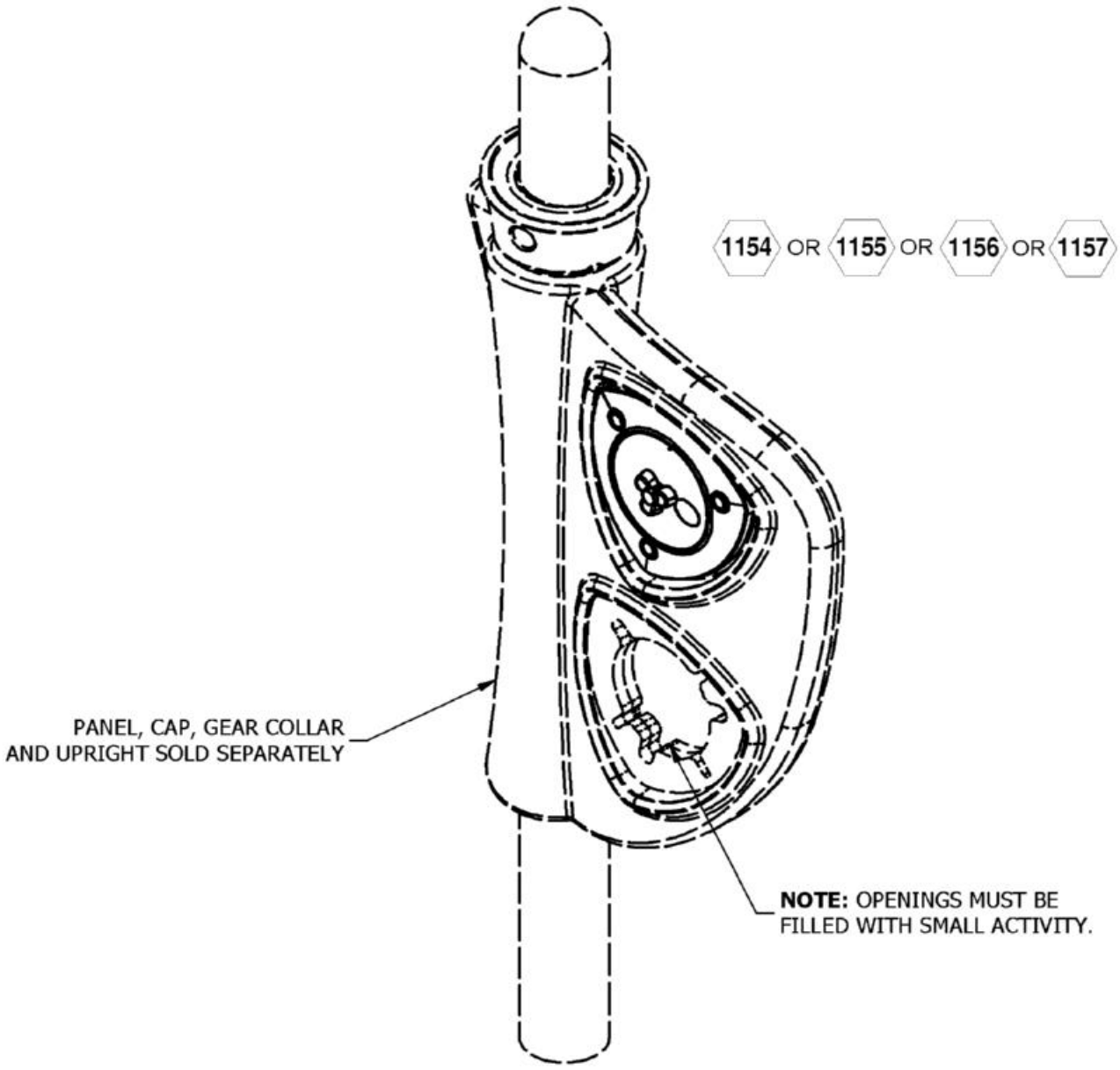
IMPORTANT- ALL OPENINGS MUST BE FILLED WITH A SMALL ACTIVITY.

1. Locate Panel to receive small activity.
2. Place Triangle Housing into small opening in panel. Housing is keyed so that bosses and fins fit into opening. Rotate Housing if needed until it fits into the opening.
3. Take the remaining Housing and place activity so that notches in activity align with ribs on Housing. Refer to Details 1154, 1155, 1156, and 1157 for specific activity. **NOTE:** Remove any protective film that may be on Activity Panel before assembly.
4. Align Housing with openings in Panel and attach the two housings together. Cover with Screw Cap as shown in Details Details 1154, 1155, 1156, and 1157.

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 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.

7200 ANSWER WHEEL ASSEMBLY, 7201 MAZE ASSEMBLY, 7202 ECHO CHAMBER ASSEMBLY, 7205 STAINED GLASS-YELLOW, 7206 HYPNO WHEEL ASSEMBLY, 7207 STAINED GLASS-GREEN, 7208 BUBBLE MIRROR ASSEMBLY

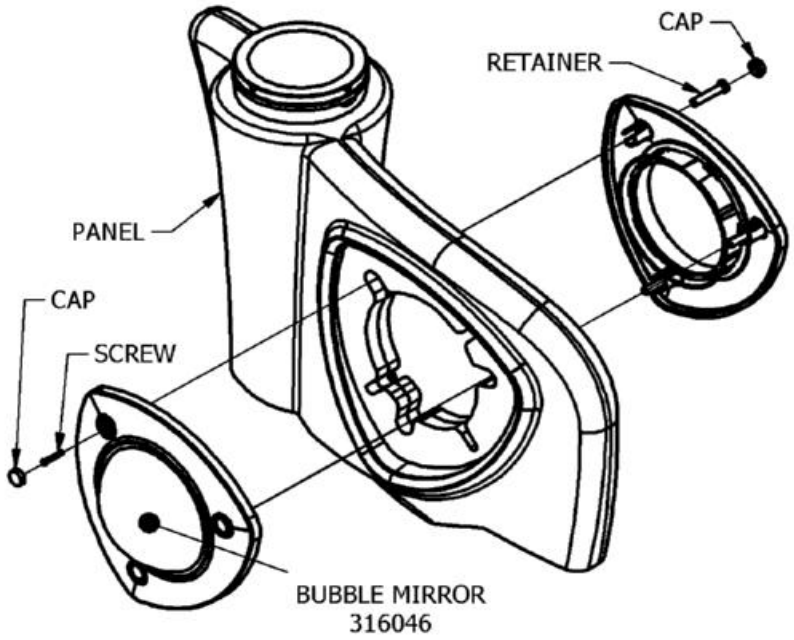


FINISHED ASSEMBLY
7200 VERSION SHOWN

⬡ = INSTALLATION DETAIL

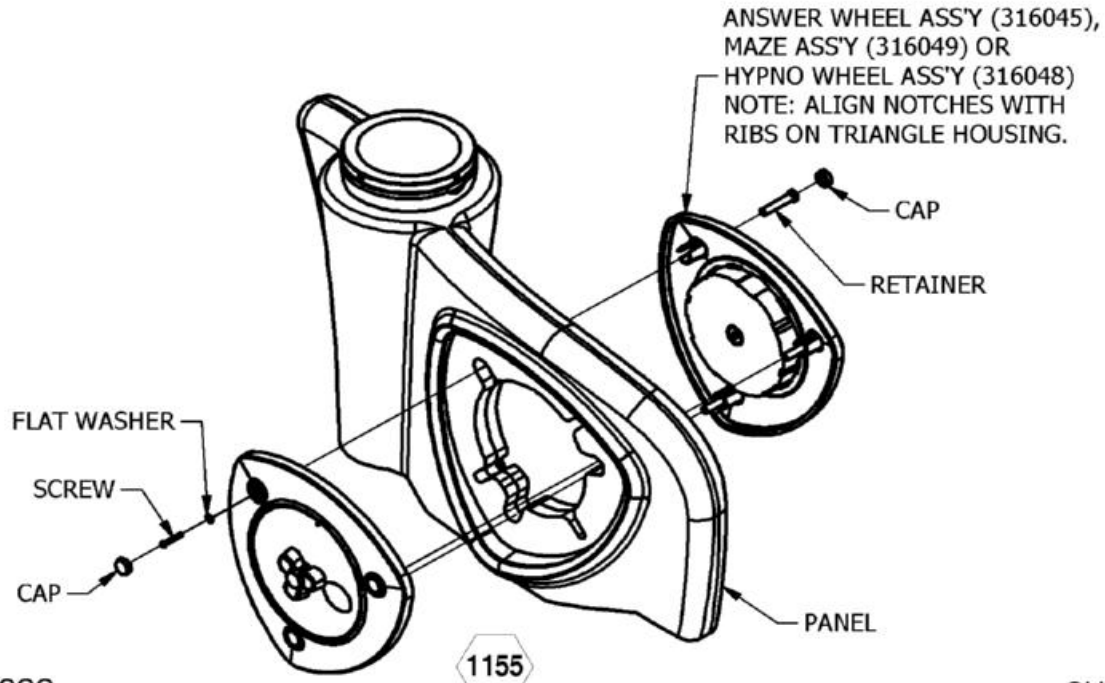
Issued/Revised: 6/21/2022

7200 ANSWER WHEEL ASSEMBLY, 7201 MAZE ASSEMBLY, 7202 ECHO CHAMBER ASSEMBLY, 7205 STAINED GLASS-YELLOW, 7206 HYPNO WHEEL ASSEMBLY, 7207 STAINED GLASS-GREEN, 7208 BUBBLE MIRROR ASSEMBLY



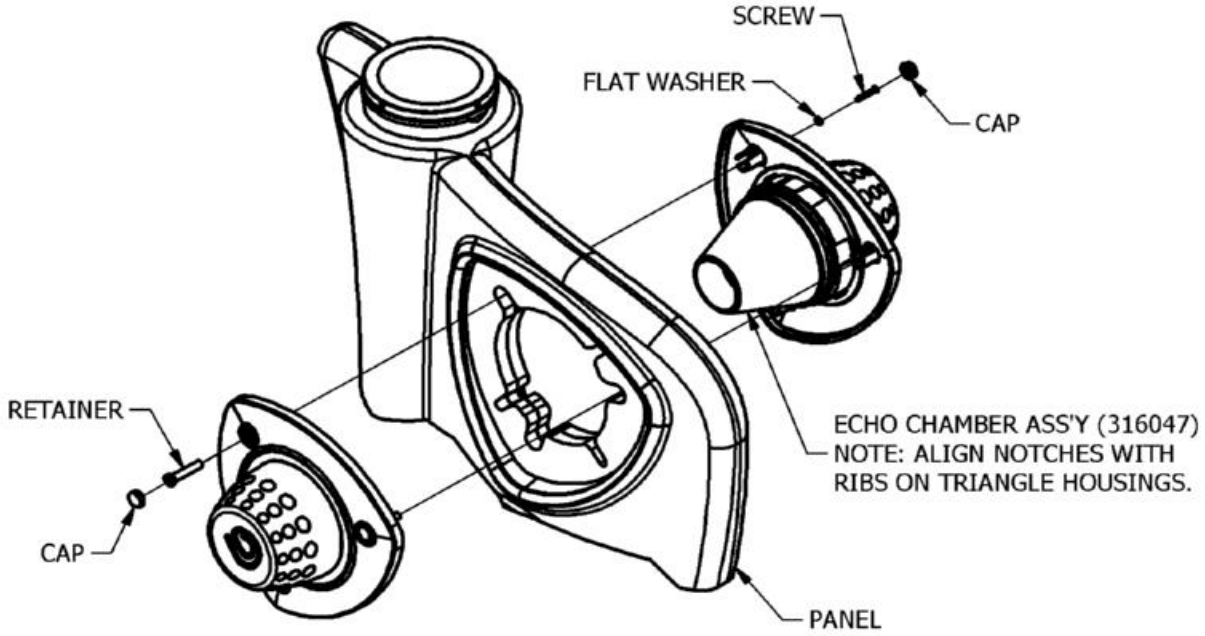
1154

NOTE: IF PRESENT, REMOVE ANY PROTECTIVE FILM THAT MAY BE ON THE ACTIVITY BEFORE ASSEMBLING.



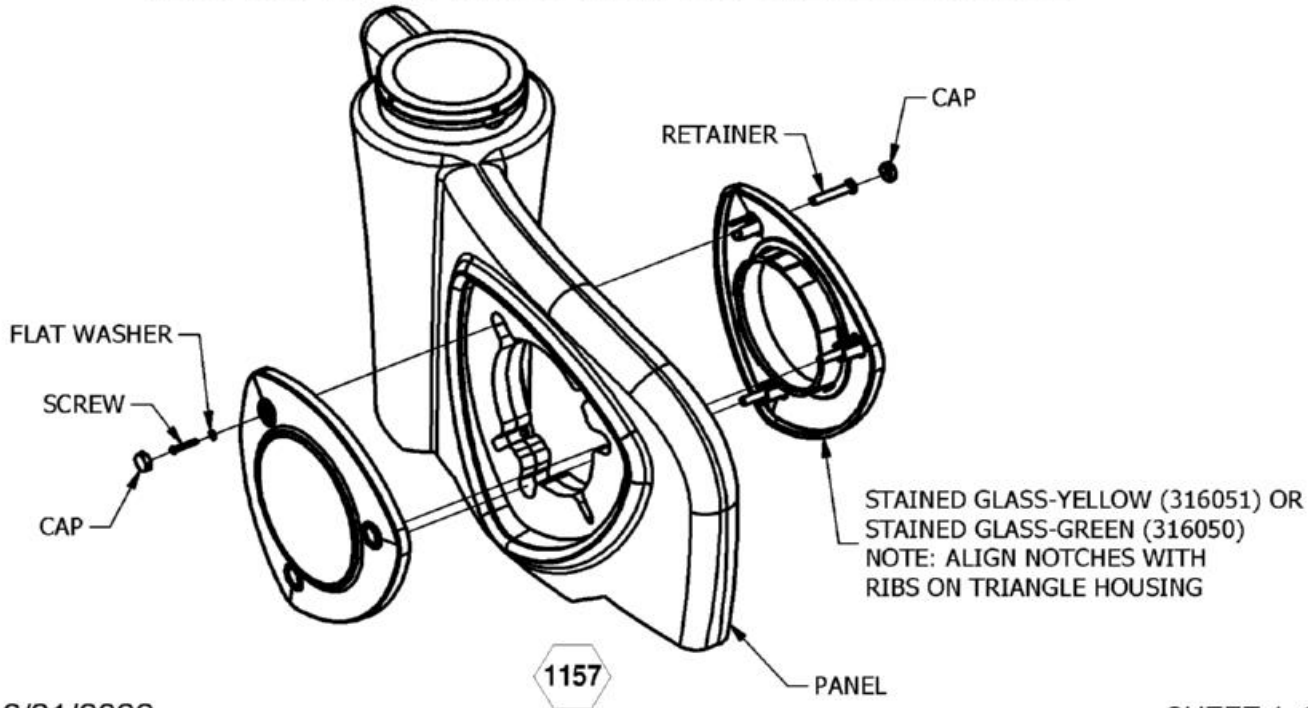
1155

7200 ANSWER WHEEL ASSEMBLY, 7201 MAZE ASSEMBLY, 7202 ECHO CHAMBER ASSEMBLY, 7205 STAINED GLASS-YELLOW, 7206 HYPNO WHEEL ASSEMBLY, 7207 STAINED GLASS-GREEN, 7208 BUBBLE MIRROR ASSEMBLY



1156

NOTE: IF PRESENT, REMOVE ANY PROTECTIVE FILM THAT MAY BE ON THE ACTIVITY BEFORE ASSEMBLING.



1157

7345 20" ONE SIDED WATER WAVES w/ADAPTIVE SWITCH PORT
7346 20" TWO SIDED WATER WAVES w/ADAPTIVE SWITCH PORT

Parts List			
DESCRIPTION	7345	7346	PART NUMBER
WAVE SOUNDS ONE SIDED	1	0	212461
WAVE SOUNDS TWO SIDED	0	1	212462
SPACER	6	0	212416
HARDWARE COMPLETE	1	0	212436
HARDWARE COMPLETE	0	1	312646
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	0	4	812056
3/8" x 2 3/4" P.B.H.C.S. w/PATCH	0	4	812058
3/8" x 3" P.B.H.C.S. w/PATCH	4	0	812059
3/8" x 3 3/4" P.B.H.C.S. w/PATCH	4	0	812076
3/8" LOCK WASHER	8	0	817334
3/8" FLAT WASHER	8	8	817410
3/8" BARREL NUT	0	8	804804
3/8" T-NUT	4	0	804556

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.

SPECIFICATIONS:

Wave Sounds Panel:
The Wave Sounds panels shall be fabricated from 3/4" high density polyethylene with electronic components contained within water tight low density polyethylene housing.

HDPE Spacer Rings:
The HDPE spacer rings shall be fabricated from 3/4" high density polyethylene.

Hardware:
All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

7345 20" ONE SIDED WATER WAVES w/ADAPTIVE SWITCH PORT
7346 20" TWO SIDED WATER WAVES w/ADAPTIVE SWITCH PORT

INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*
2. Attach Wave Sounds One Sided to Spacers using 3/8" x 3" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" T-Nut. See Detail 542.
3. Attach Wave Sounds One Sided and Spacers to Rotomold using 3/8" x 3 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. See Detail 543.
4. Batteries (supplied by others) should be installed in water tight housing. See Detail 544.
5. Plumb and level the entire assembly and tighten all fasteners.
6. 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.
7. When structure is finished and satisfactory, eliminate sharp points and 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.

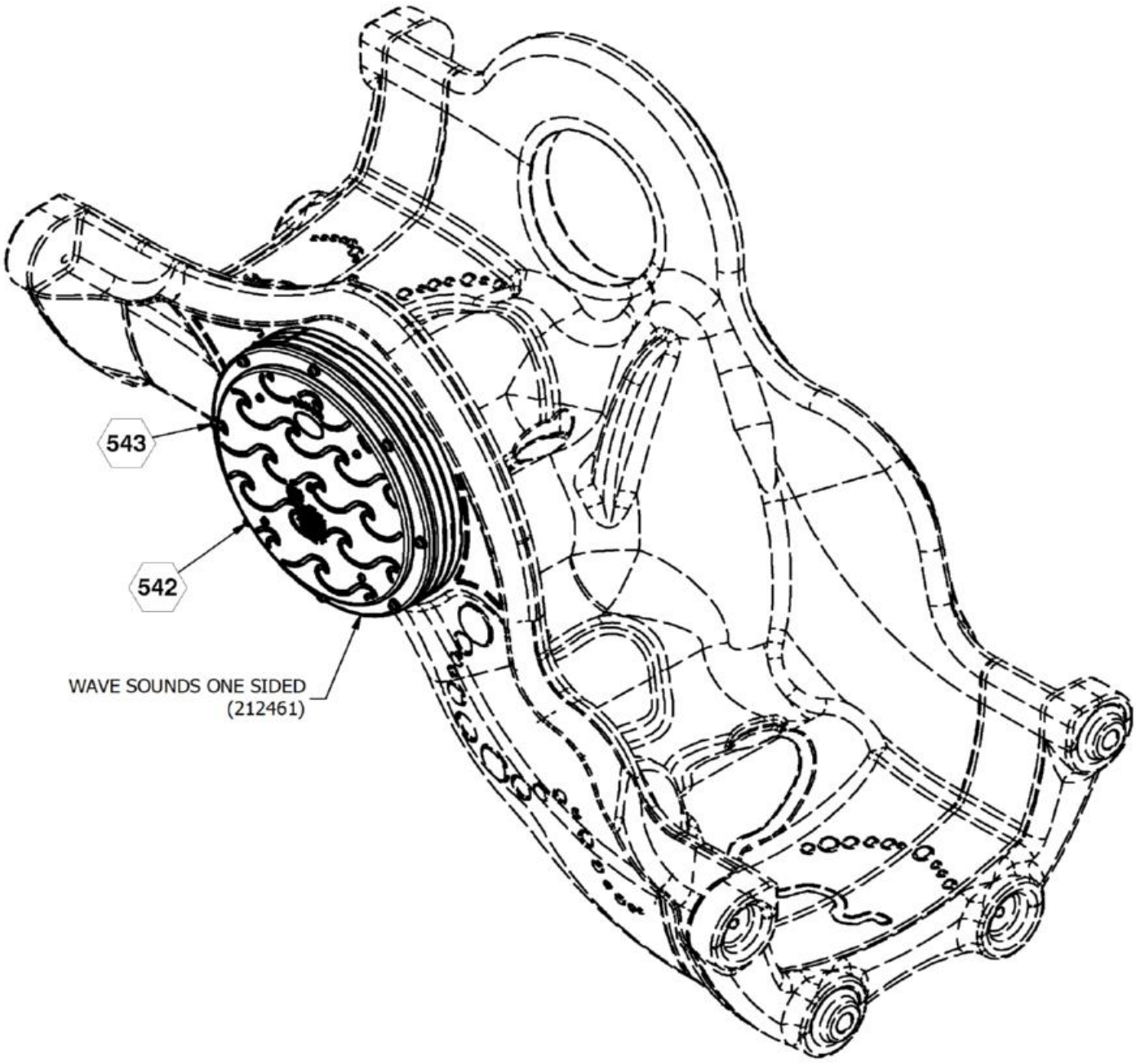
INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*
2. Attach Wave Sounds Two Sided and Rings to Rotomold using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 816.
3. Attach Back Cover to Rotomold using 3/8" x 2 3/4" P.B.H.C.S w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 817.
4. Batteries (supplied by others) should be installed in water tight housing. See Detail 544.
5. Plumb and level the entire assembly and tighten all fasteners.
6. 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.
7. When structure is finished and satisfactory, eliminate sharp points and 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.

7345 20" ONE SIDED WATER WAVES w/ADAPTIVE SWITCH PORT
7346 20" TWO SIDED WATER WAVES w/ADAPTIVE SWITCH PORT



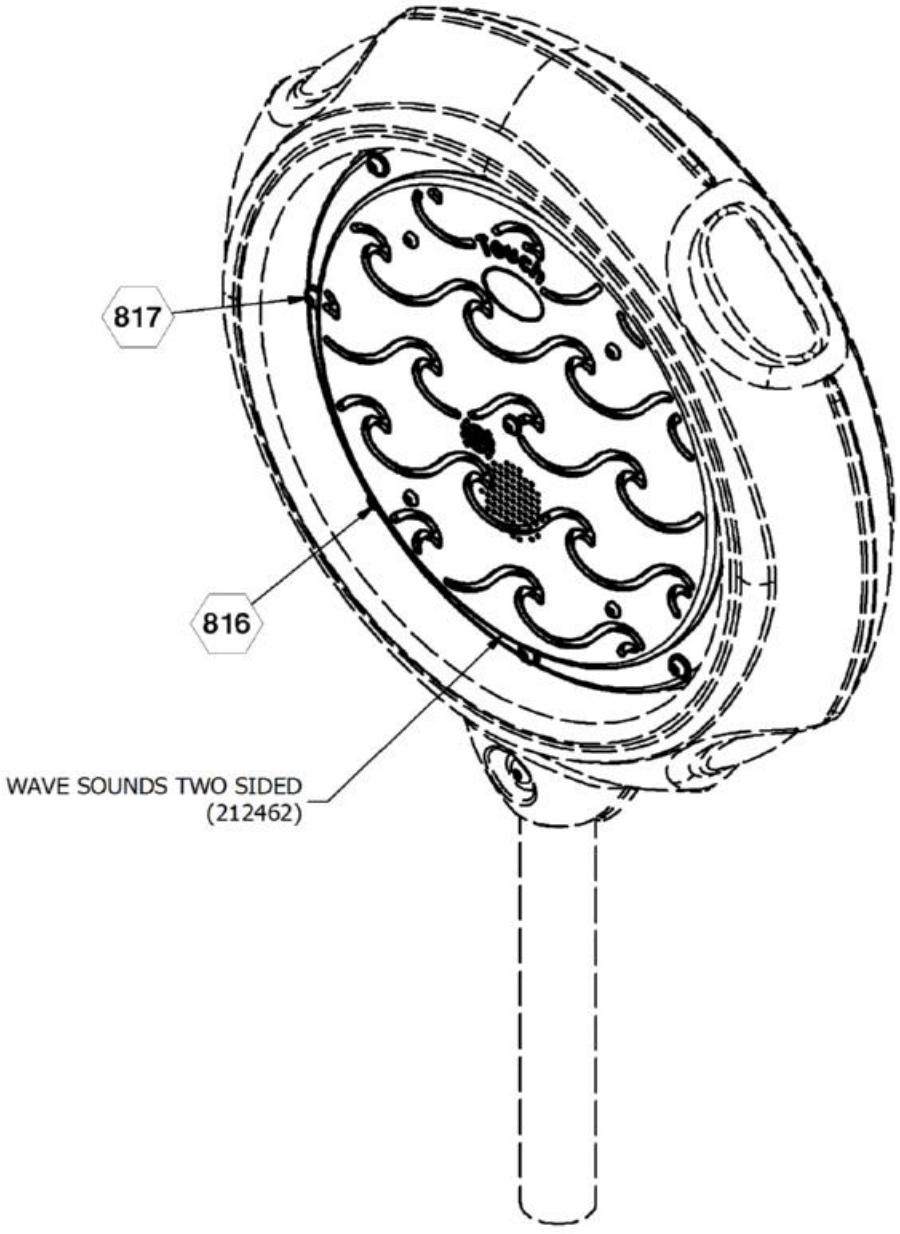
FINISHED ASSEMBLY
7345 SHOWN

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 2/2/2017

7345 20" ONE SIDED WATER WAVES w/ADAPTIVE SWITCH PORT
7346 20" TWO SIDED WATER WAVES w/ADAPTIVE SWITCH PORT



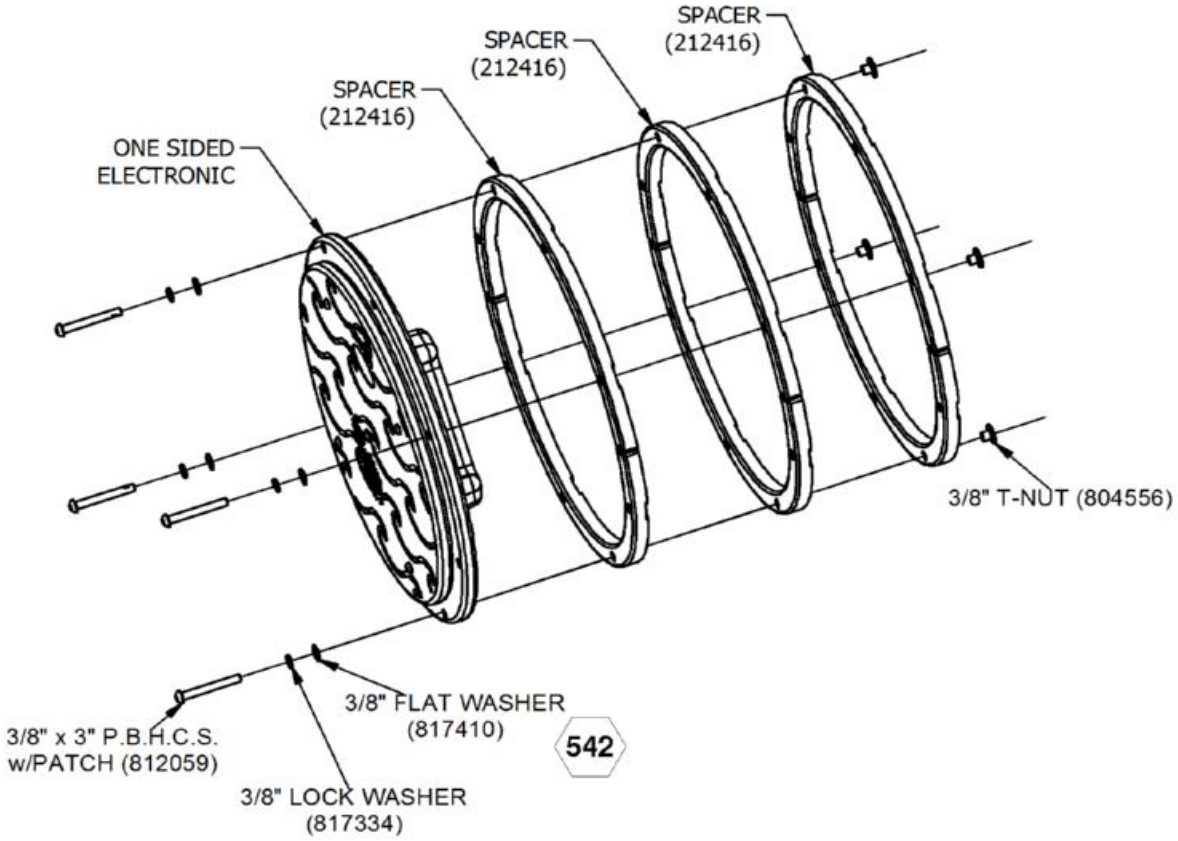
⬡ = INSTALLATION DETAIL

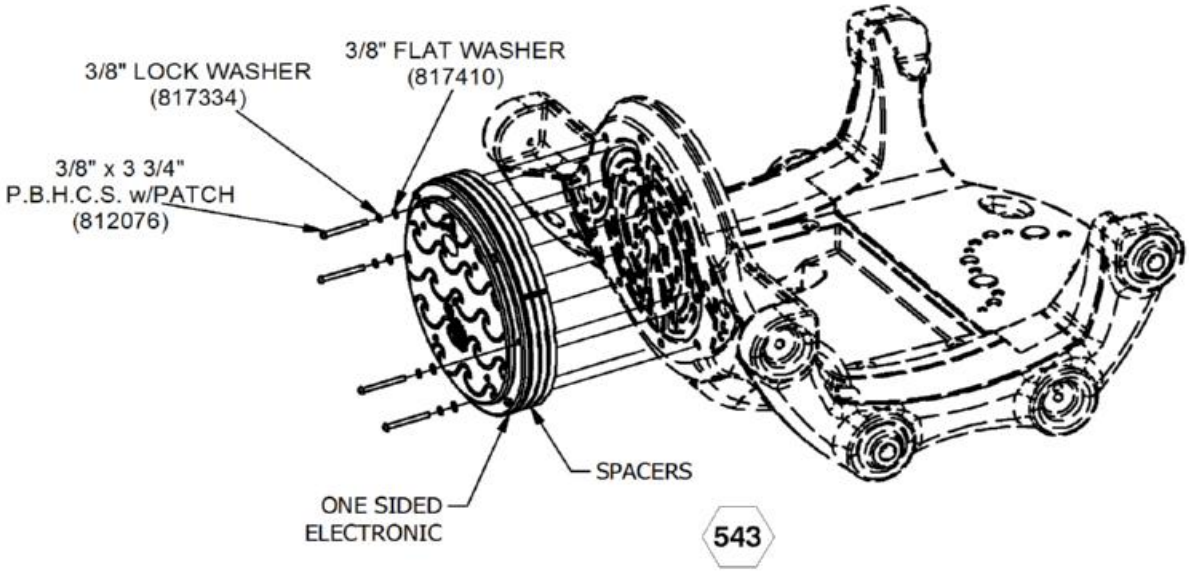
Issued/Revised: 2/2/2017

FINISHED ASSEMBLY
7346 SHOWN

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

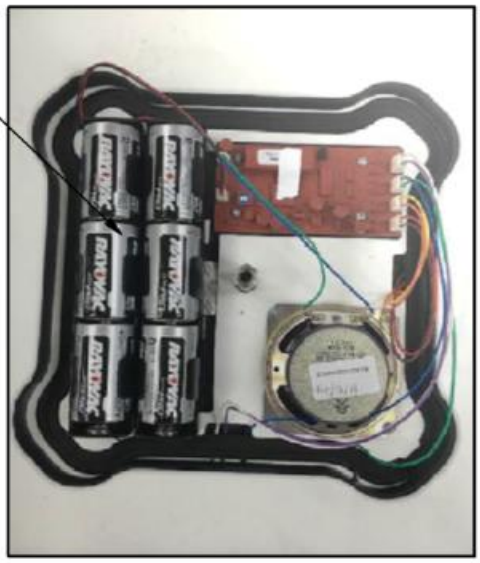
7345 20" ONE SIDED WATER WAVES w/ADAPTIVE SWITCH PORT
7346 20" TWO SIDED WATER WAVES w/ADAPTIVE SWITCH PORT





7345 20" ONE SIDED WATER WAVES w/ADAPTIVE SWITCH PORT
7346 20" TWO SIDED WATER WAVES w/ADAPTIVE SWITCH PORT

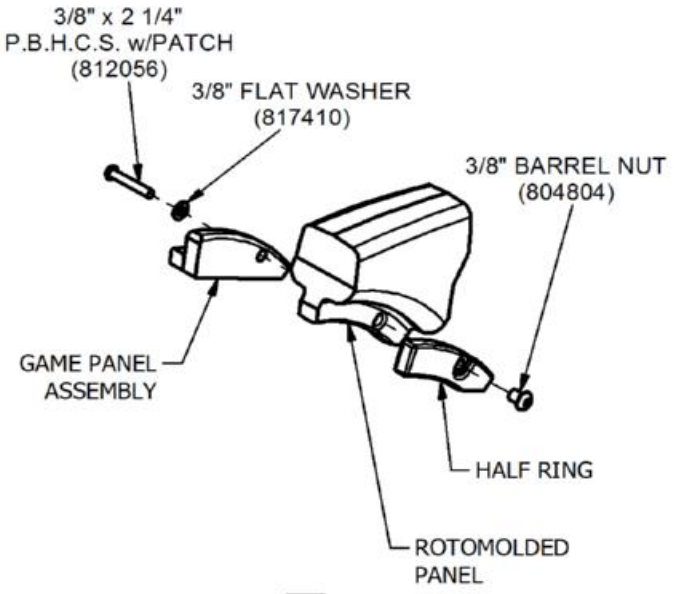
BATTERY REPLACEMENT
(6) D-CELL BATTERIES



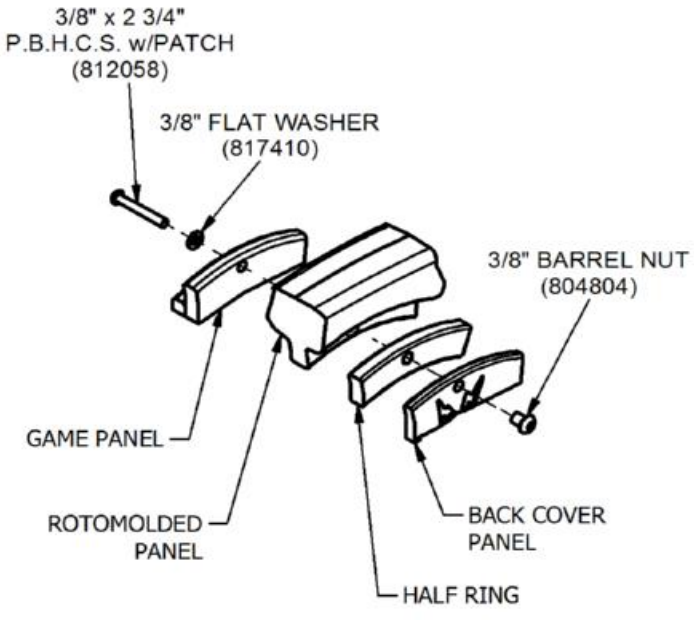
TO REPLACE BATTERIES OR ADJUST VOLUME REMOVE BACK OF BOX WITH TOOL PROVIDED.

PLEASE CONSIDER OUR ENVIROMENT WHEN DISPOSING OF WASTE BATTERIES. OLD BATTERIES SHOULD BE SENT TO A LICENSED RECYCLING FACILITY FOR PROPER PROCESSING.

544



816



817

7347 12" TWO SIDED COLOR WHEEL
7348 20" TWO SIDED COLOR WHEEL

Parts List			
DESCRIPTION	7347	7348	PART NUMBER
12" COLOR WHEEL	1	0	212463
20" COLOR WHEEL	0	1	212464
HARDWARE COMPLETE	1	0	212465
HARDWARE COMPLETE	0	1	314125
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	5	0	812051
3/8" x 2 3/4" P.B.H.C.S. w/PATCH	0	8	812058
3/8" LOCK WASHER	5	8	817334
3/8" FLAT WASHER	5	8	817410
3/8" BARREL NUT	5	8	804804

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.

SPECIFICATIONS:

Color Wheel:
The Color Wheel shall be fabricated from 1/2" high density polyethylene and 3/16" thick colored UV inhibitive acrylic.

Hardware:
All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

7347 12" TWO SIDED COLOR WHEEL
7348 20" TWO SIDED COLOR WHEEL

INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*
2. Attach 12" Color Wheel to Rotomold 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 546.
3. Plumb and level the entire assembly and tighten all fasteners.
4. 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.
5. When structure is finished and satisfactory, eliminate sharp points and 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.

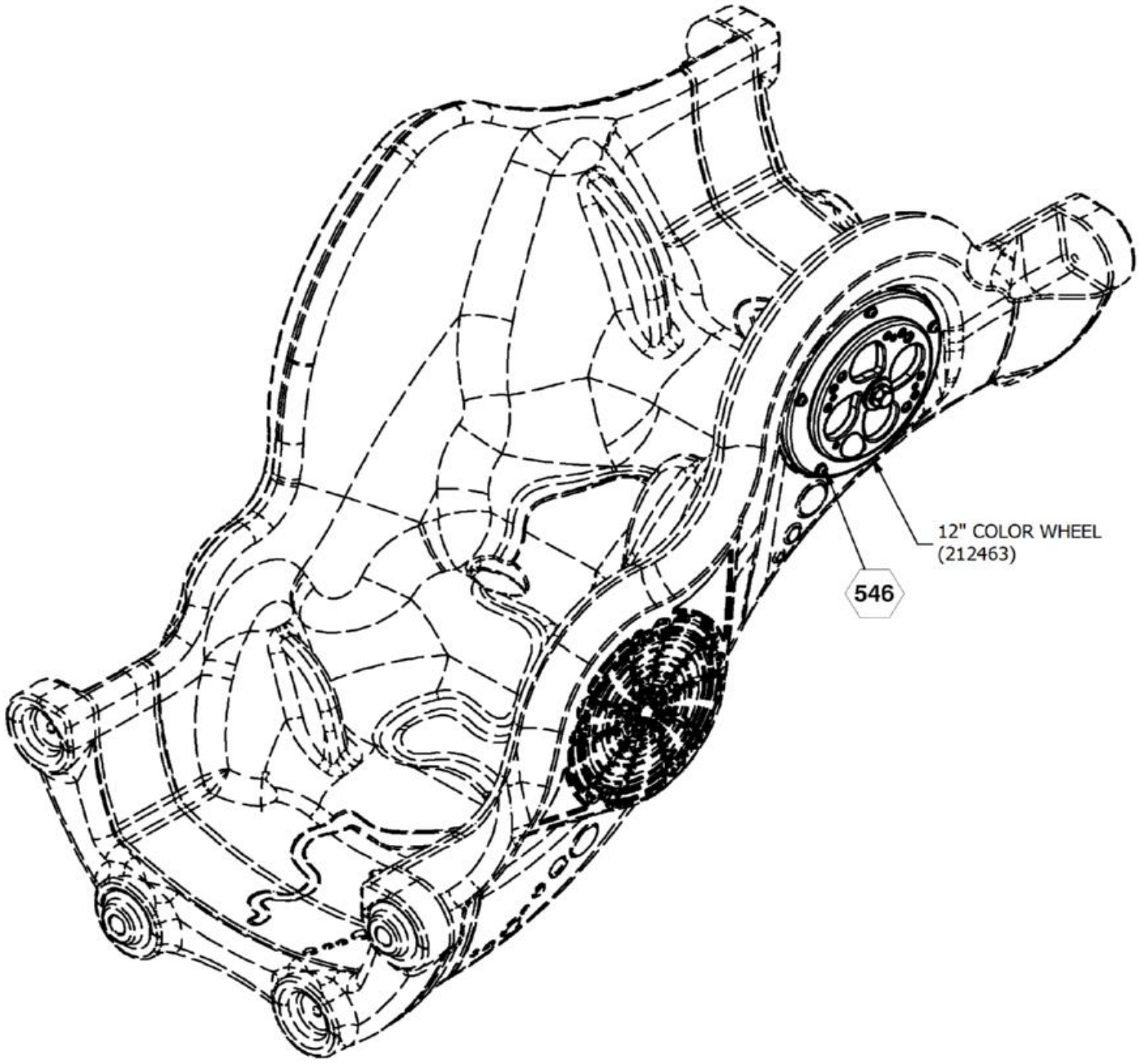
INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*
2. Attach 20" Color Wheel to Rotomold using 3/8" x 2 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 881.
3. Plumb and level the entire assembly and tighten all fasteners.
4. 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.
5. When structure is finished and satisfactory, eliminate sharp points and 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:

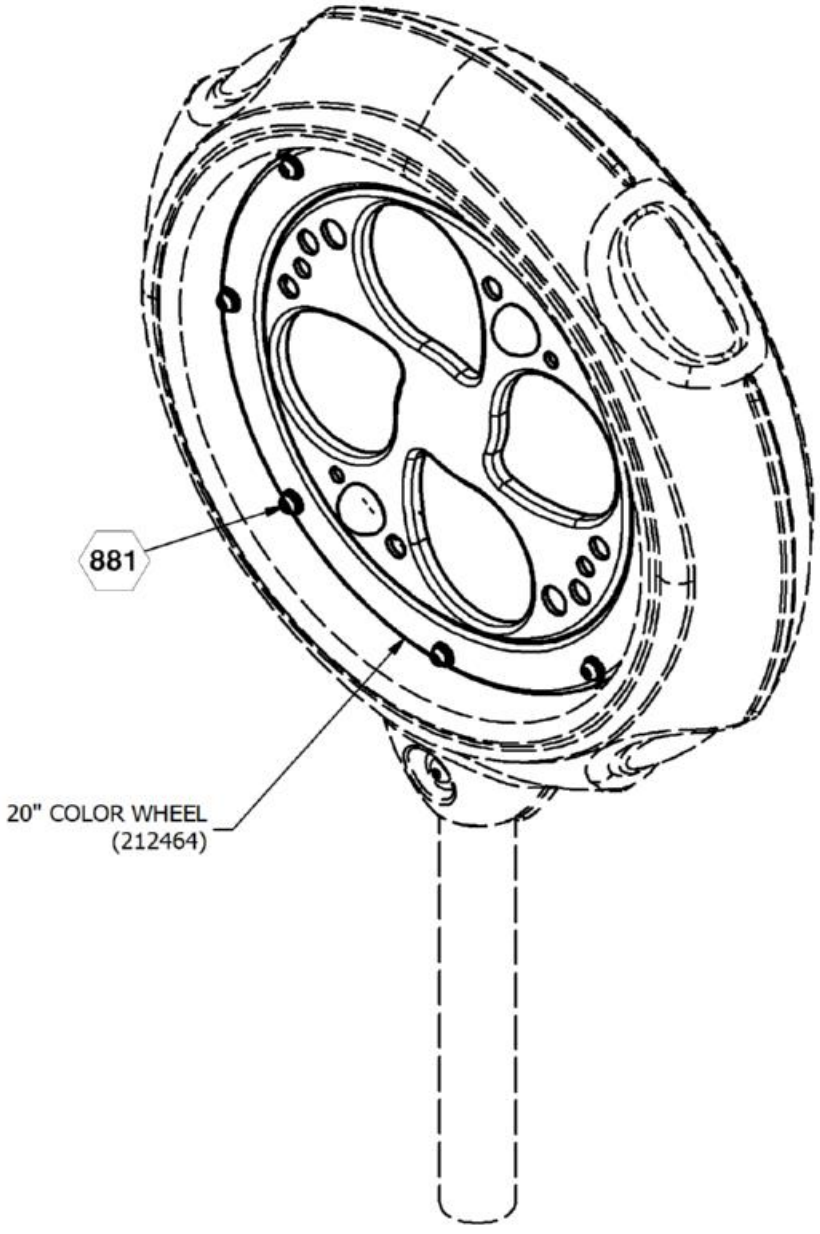
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check 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.

7347 12" TWO SIDED COLOR WHEEL
7348 20" TWO SIDED COLOR WHEEL



FINISHED ASSEMBLY
7347 SHOWN

7347 12" TWO SIDED COLOR WHEEL
7348 20" TWO SIDED COLOR WHEEL



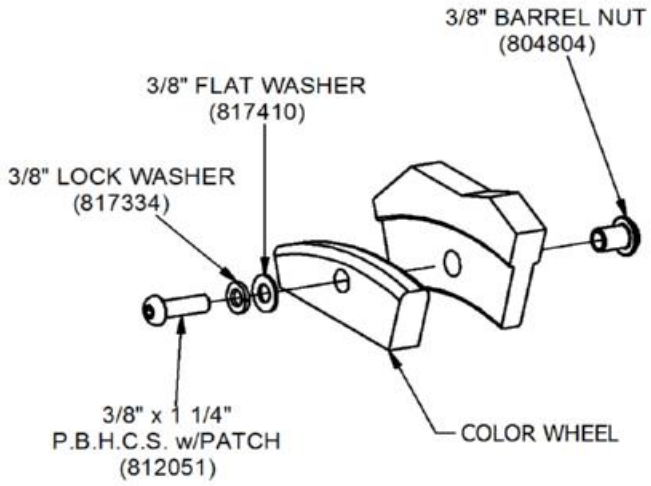
⬡ = INSTALLATION DETAIL

FINISHED ASSEMBLY
7348 SHOWN

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

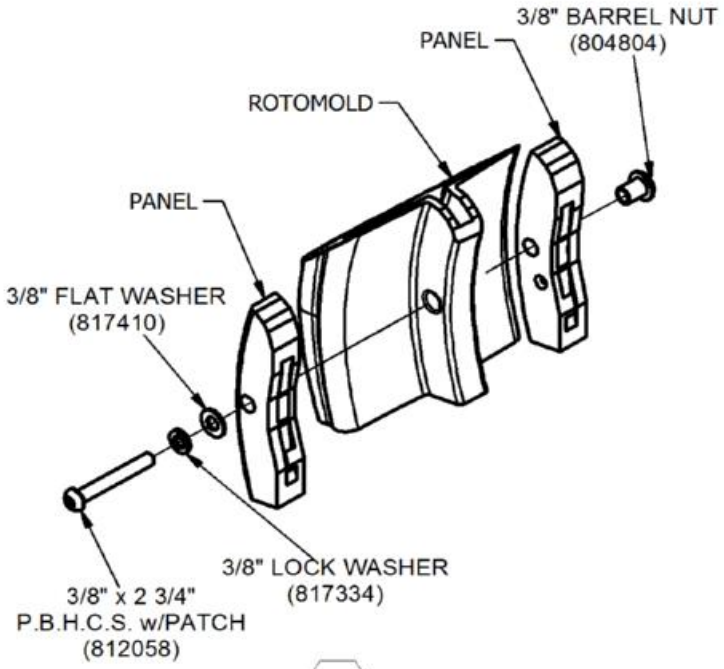
Issued/Revised: 2/2/2017

7347 12" TWO SIDED COLOR WHEEL
7348 20" TWO SIDED COLOR WHEEL



NOTE: DISCARD BARREL NUT FOR ROTOMOLD APPLICATION

546



881

7359 12" TWO SIDED ROLLER BALLS
7360 20" TWO SIDED ROLLER BALLS

Parts List			
DESCRIPTION	7359	7360	PART NUMBER
12" ROLLER BALL PANEL	1	0	212485
20" ROLLER BALL PANEL	0	1	212486
HARDWARE COMPLETE	1	0	212465
HARDWARE COMPLETE	0	1	212890
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	5	0	812051
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	0	8	812053
3/8" LOCK WASHER	5	8	817334
3/8" FLAT WASHER	5	8	817410
3/8" BARREL NUT	5	8	804804

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.

SPECIFICATIONS:

Roller Ball:
The Roller Ball shall be fabricated from 1/2" high density polyethylene which encapsulates colored acrylic spheres.

Hardware:
All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

7359 12" TWO SIDED ROLLER BALLS
7360 20" TWO SIDED ROLLER BALLS

7359 INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*
2. Attach 12" Roller Ball Panel to Rotomold 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 546.
3. Plumb and level the entire assembly and tighten all fasteners.
4. 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.
5. When structure is finished and satisfactory, eliminate sharp points and 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.

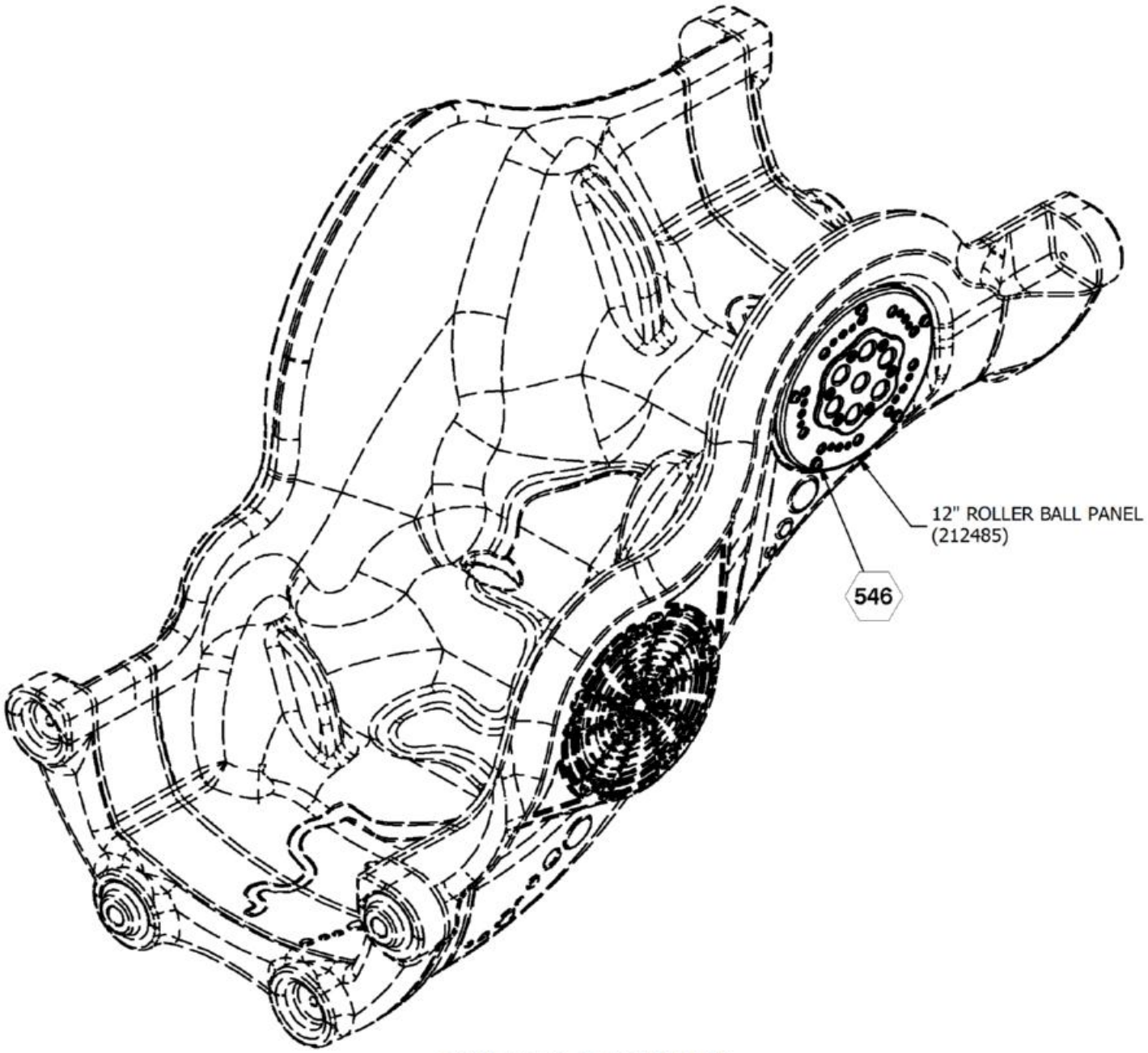
7360 INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*
2. Attach 20" Roller Ball Panel to Rotomold using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 878.
3. Plumb and level the entire assembly and tighten all fasteners.
4. 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.
5. When structure is finished and satisfactory, eliminate sharp points and 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.

7359 12" TWO SIDED ROLLER BALLS
7360 20" TWO SIDED ROLLER BALLS



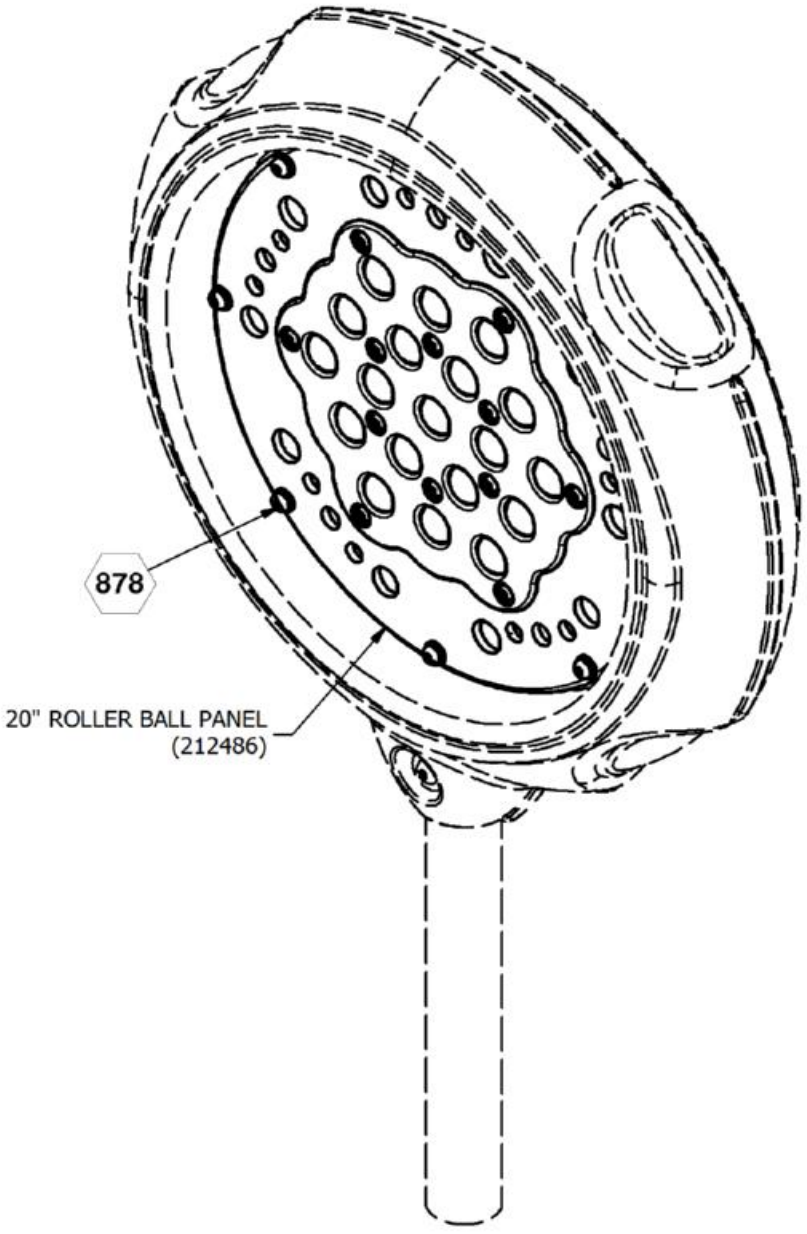
FINISHED ASSEMBLY
7359 SHOWN

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 2/8/2017

7359 12" TWO SIDED ROLLER BALLS
7360 20" TWO SIDED ROLLER BALLS

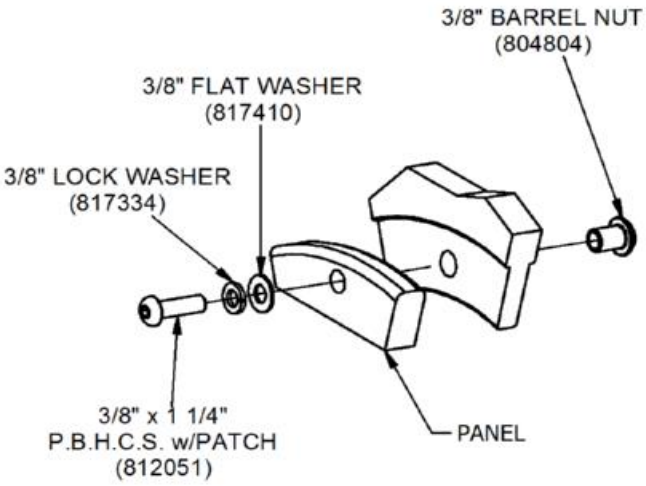


FINISHED ASSEMBLY
7360 SHOWN

⬡ = INSTALLATION DETAIL

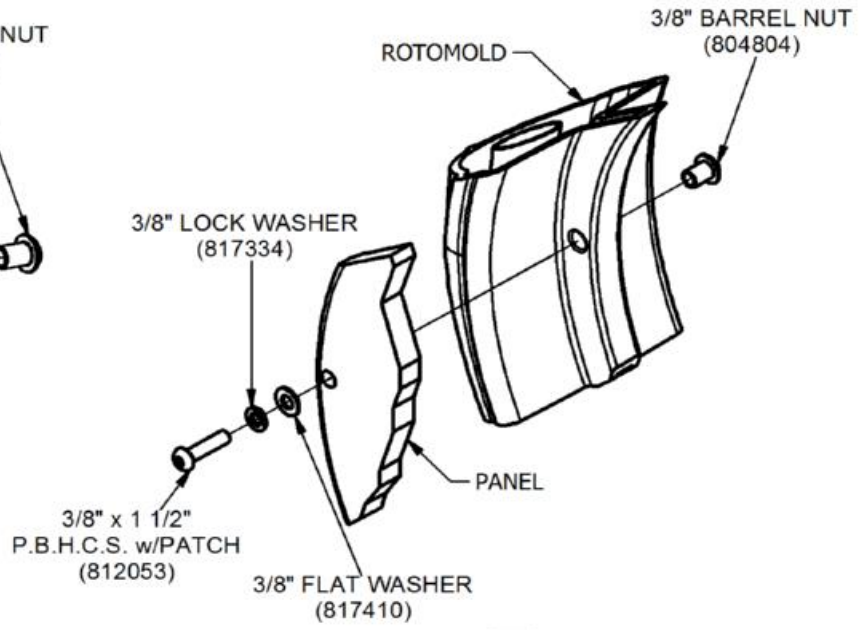
COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

7359 12" TWO SIDED ROLLER BALLS
7360 20" TWO SIDED ROLLER BALLS



NOTE: DISCARD BARREL NUT FOR ROTOMOLD APPLICATION

546



878

60040 (11'), 60041 (13'), 60042 (14'), 60089 (12'), 60246 (10'), 60944 (15'), 60945 (9'), 61540 (4'), & 61541 (5') SUPERMAX POST W/O CAP

(ADD G PREFIX FOT GALV. POST)

Parts List										
DESCRIPTION	60040	G60040	60041	G60041	60042	G60042	60089	G60089	60246	PART NUMBER
5" O.D. POST (ALUMINUM) 11'	1	0	0	0	0	0	0	0	0	302277
5" O.D. POST (GALVANIZED) 11'	0	1	0	0	0	0	0	0	0	G02277
5" O.D. POST (ALUMINUM) 13'	0	0	1	0	0	0	0	0	0	302278
5" O.D. POST (GALVANIZED) 13'	0	0	0	1	0	0	0	0	0	G02278
5" O.D. POST (ALUMINUM) 14'	0	0	0	0	1	0	0	0	0	302279
5" O.D. POST (GALVANIZED) 14'	0	0	0	0	0	1	0	0	0	G02279
5" O.D. POST (ALUMINUM) 12'	0	0	0	0	0	0	1	0	0	301921
5" O.D. POST (GALVANIZED) 12'	0	0	0	0	0	0	0	1	0	G01921
5" O.D. POST (ALUMINUM) 10'	0	0	0	0	0	0	0	0	1	301923

Parts List									
DESCRIPTION	G60246	60944	G60944	60945	G60945	61540	G61540	61541	G61541	PART NUMBER
5" O.D. POST (GALVANIZED) 10'	1	0	0	0	0	0	0	0	0	301922
5" O.D. POST (ALUMINUM) 15'	0	1	0	0	0	0	0	0	0	305797
5" O.D. POST (GALVANIZED) 15'	0	0	1	0	0	0	0	0	0	G05797
5" O.D. POST (ALUMINUM) 9'	0	0	0	1	0	0	0	0	0	305799
5" O.D. POST (GALVANIZED) 9'	0	0	0	0	1	0	0	0	0	G05799
5" O.D. POST (ALUMINUM) 4'	0	0	0	0	0	1	0	0	0	305616
5" O.D. POST (GALVANIZED) 4'	0	0	0	0	0	0	1	0	0	G05616
5" O.D. POST (ALUMINUM) 5'	0	0	0	0	0	0	0	1	0	305617
5" O.D. POST (GALVANIZED) 5'	0	0	0	0	0	0	0	0	1	G05617

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.

60040 (11'), 60041 (13'), 60042 (14'), 60089 (12'), 60246 (10'), 60944 (15'), 60945 (9'), 61540 (4'), & 61541 (5') SUPERMAX POST W/O CAP

(ADD G PREFIX FOT GALV. POST)

INSTALLATION INSTRUCTIONS:

1. Component numbers are for one (1) Upright Post only. Please refer to your Plan Drawing and Footing Diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure up from the lower end of each Upright Post and mark using a felt-tip marker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof naker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that it is time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will be installing. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be instaling. Using your footing diagram and elevation view as a reference, move and dig holes accordingly.

3. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.

4. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only when all positions are correct. When pouring the footers, make sure the concrete has a downward slope of 45° at the top away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like nuts, bolts, etc.

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.

SuperMax Play Systems

60040 (11'), 60041 (13'), 60042 (14'), 60089 (12'), 60246 (10'), 60944 (15'), 60945 (9'), 61540 (4'), & 61541 (5') SUPERMAX POST W/O CAP

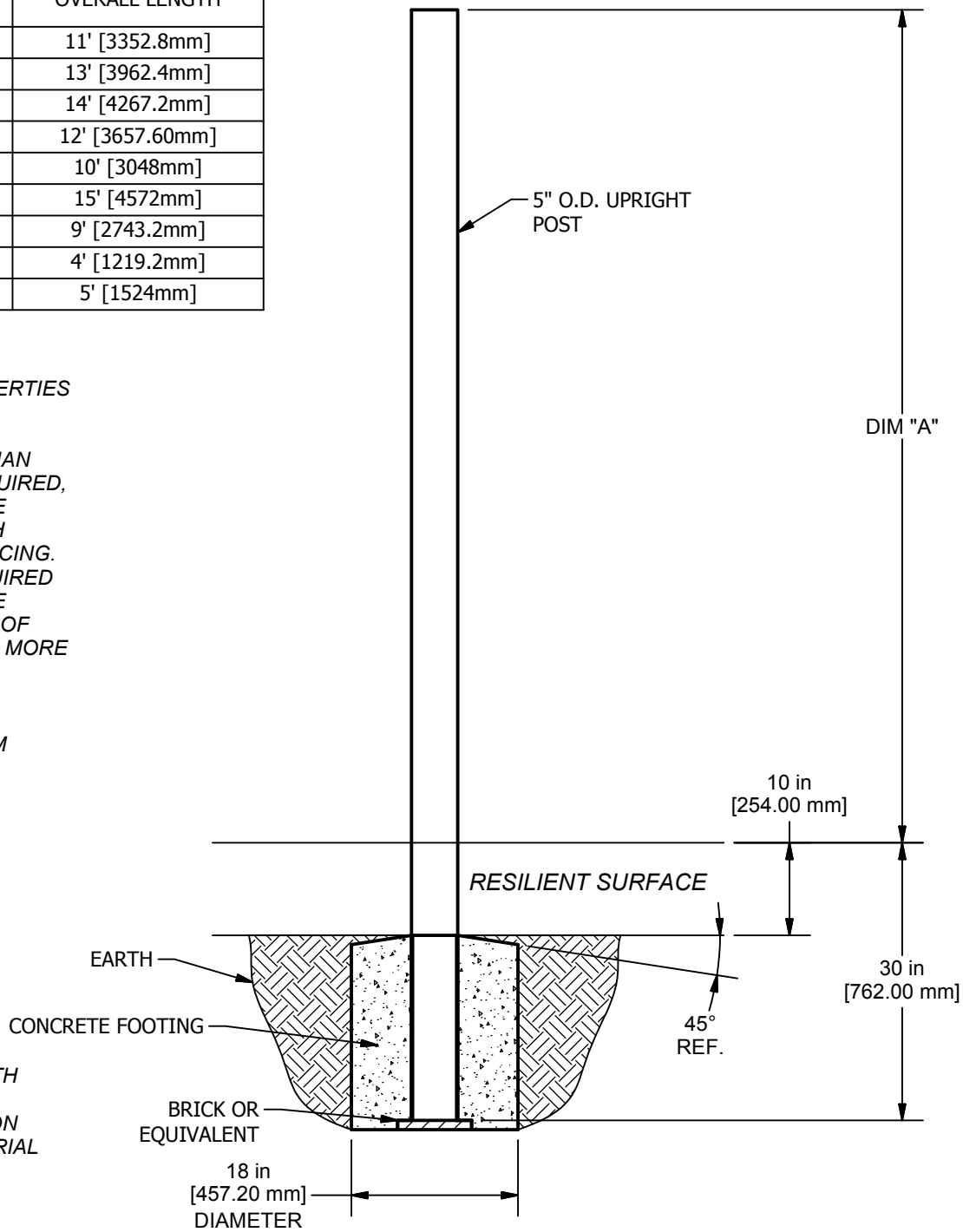
(ADD G PREFIX FOT GALV. POST)

NO.	DIM "A"	OVERALL LENGTH
60040	8'-6" [2590.8mm]	11' [3352.8mm]
60041	10'-6" [3200.4mm]	13' [3962.4mm]
60042	11'-6" [3505.2mm]	14' [4267.2mm]
60089	9'-6" [2895.6mm]	12' [3657.60mm]
60246	7'-6" [2286mm]	10' [3048mm]
60944	12'-6" [3810mm]	15' [4572mm]
60945	6'-6" [1981.2mm]	9' [2743.2mm]
61540	1'-6" [457.2mm]	4' [1219.2mm]
61541	2'-6" [762mm]	5' [1524mm]

SHOCK ABSORBING PROPERTIES OF RESILIENT SURFACING MATERIALS VARY. IF YOU DETREMINE THAT LESS THAN 10" OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH BEFORE APPLYING SURFACING. IF MORE THAN 10" IS REQUIRED MAKE UP THE DIFFERENCE BY REDUCING THE DEPTH OF THE GROUND HOLE BY NO MORE THAN 2".

NOTE:
-SUGGESTED MINIMUM CONCRETE RATING 3000 PSI

NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF RESILIENT SURFACE MATERIAL AND CONCRETE



ELEVATION VIEW

Issued/Revised: 7/11/2019

SuperMax Play Systems

60059 (10'), 60060 (12'), 60088 (14'), 60102 (6'), 60178 (8'), 60946 (15'), 60947 (13'), 60948 (11'), 60949 (7'), 60956 (9'), 61538 (4'), 61539 (5') SUPERMAX POST w/ CAP

(ADD G PREFIX FOR GALV. POST)

Parts List									
DESCRIPTION	60059	G60059	60060	G60060	60088	G60088	60102	G60102	PART NUMBER
5" O.D. POST WITH CAP (ALUMINUM) 10'	1	0	0	0	0	0	0	0	300130
5" O.D. POST WITH CAP (GALVANIZED) 10'	0	1	0	0	0	0	0	0	G00130
5" O.D. POST WITH CAP (ALUMINUM) 12'	0	0	1	0	0	0	0	0	300059
5" O.D. POST WITH CAP (GALVANIZED) 12'	0	0	0	1	0	0	0	0	G00059
5" O.D. POST WITH CAP (ALUMINUM) 14'	0	0	0	0	1	0	0	0	300060
5" O.D. POST WITH CAP (GALVANIZED) 14'	0	0	0	0	0	1	0	0	G00060
5" O.D. POST WITH CAP (ALUMINUM) 6'	0	0	0	0	0	0	1	0	300057
5" O.D. POST WITH CAP (GALVANIZED) 6'	0	0	0	0	0	0	0	1	G00057

Parts List									
DESCRIPTION	60178	G60178	60946	G60946	60947	G60947	60948	G60948	PART NUMBER
5" O.D. POST WITH CAP (ALUMINUM) 8'	1	0	0	0	0	0	0	0	300521
5" O.D. POST WITH CAP (GALVANIZED) 8'	0	1	0	0	0	0	0	0	G00521
5" O.D. POST WITH CAP (ALUMINUM) 15'	0	0	1	0	0	0	0	0	305801
5" O.D. POST WITH CAP (GALVANIZED) 15'	0	0	0	1	0	0	0	0	G05801
5" O.D. POST WITH CAP (ALUMINUM) 13'	0	0	0	0	1	0	0	0	305803
5" O.D. POST WITH CAP (GALVANIZED) 13'	0	0	0	0	0	1	0	0	G05803
5" O.D. POST WITH CAP (ALUMINUM) 11'	0	0	0	0	0	0	1	0	305805
5" O.D. POST WITH CAP (GALVANIZED) 11'	0	0	0	0	0	0	0	1	G05805

Parts List									
DESCRIPTION	60949	G60949	60956	G60956	61538	G61538	61539	G61539	PART NUMBER
5" O.D. POST WITH CAP (ALUMINUM) 7'	1	0	0	0	0	0	0	0	305807
5" O.D. POST WITH CAP (GALVANIZED) 7'	0	1	0	0	0	0	0	0	G05807
5" O.D. POST WITH CAP (ALUMINUM) 9'	0	0	1	0	0	0	0	0	305810
5" O.D. POST WITH CAP (GALVANIZED) 9'	0	0	0	1	0	0	0	0	G05810
5" O.D. POST WITH CAP (ALUMINUM) 4'	0	0	0	0	1	0	0	0	304957
5" O.D. POST WITH CAP (GALVANIZED) 4'	0	0	0	0	0	1	0	0	G04957
5" O.D. POST WITH CAP (ALUMINUM) 5'	0	0	0	0	0	0	1	0	305615
5" O.D. POST WITH CAP (GALVANIZED) 5'	0	0	0	0	0	0	0	1	G05615

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.

60059 (10'), 60060 (12'), 60088 (14'), 60102 (6'), 60178 (8'), 60946 (15'), 60947 (13'), 60948 (11'), 60949 (7'), 60956 (9'), 61538 (4'), 61539 (5') SUPERMAX POST w/ CAP

(ADD G PREFIX FOR GALV. POST)

INSTALLATION INSTRUCTIONS:

1. Component numbers are for one (1) Upright Post only. Please refer to your Plan Drawing and Footing Diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure up from the lower end of each Upright Post and mark using a felt-tip marker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof naker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that it is time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will be installing. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be instaling. Using your footing diagram and elevation view as a reference, move and dig holes accordingly.

3. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.

4. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only when all positions are correct. When pouring the footers, make sure the concrete has a downward slope of 45° at the top away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like nuts, bolts, etc.

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.

SuperMax Play Systems

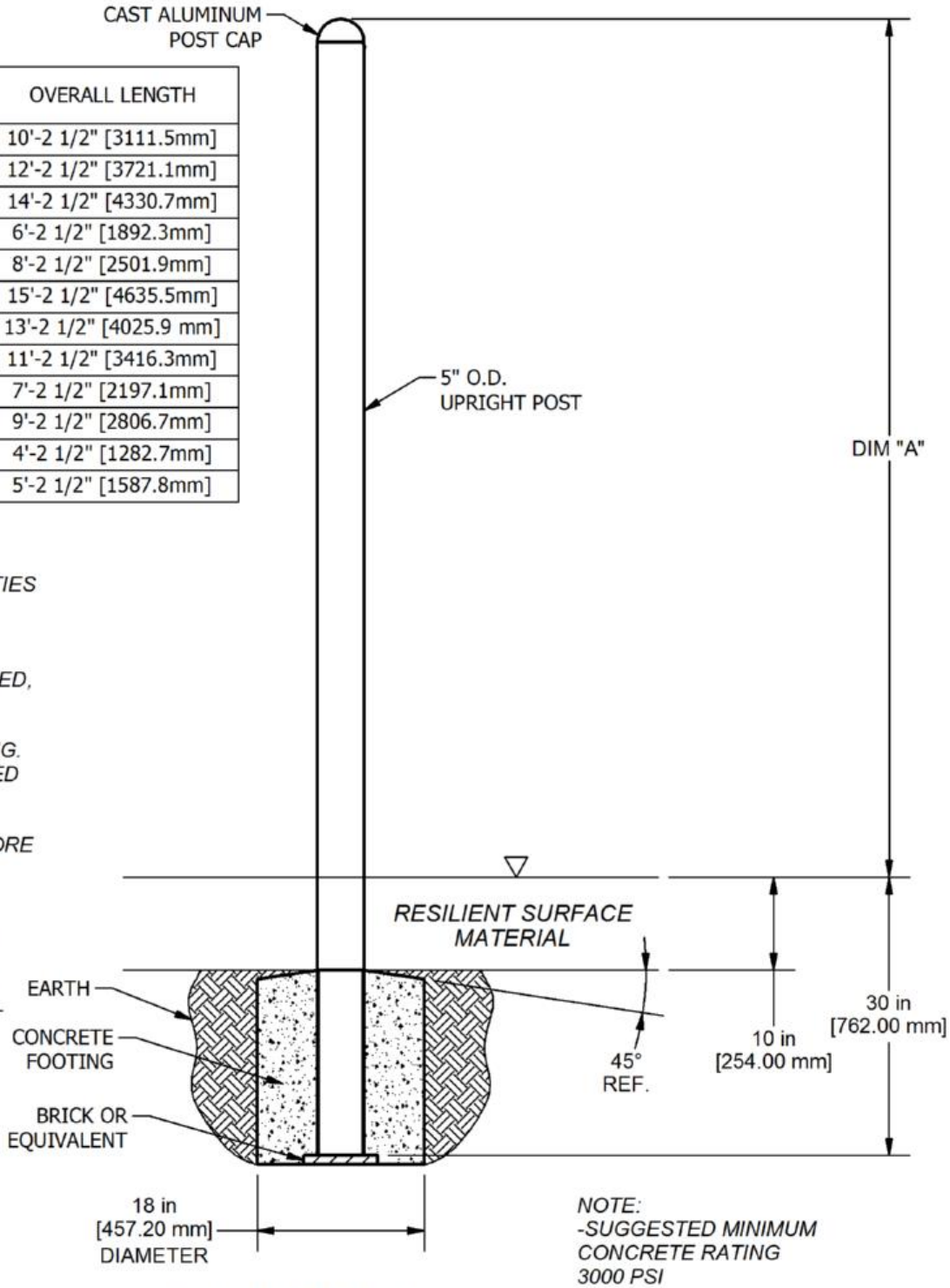
60059 (10'), 60060 (12'), 60088 (14'), 60102 (6'), 60178 (8'), 60946 (15'), 60947 (13'), 60948 (11'), 60949 (7'), 60956 (9'), 61538 (4'), 61539 (5') SUPERMAX POST w/ CAP

(ADD G PREFIX FOR GALV. POST)

NO.	DIM "A"	OVERALL LENGTH
60059	7'-8 1/2" [2349.5mm]	10'-2 1/2" [3111.5mm]
60060	9'-8 1/2" [2959.1mm]	12'-2 1/2" [3721.1mm]
60088	11'-8 1/2" [3568.7mm]	14'-2 1/2" [4330.7mm]
60102	3'-8 1/2" [1130.3mm]	6'-2 1/2" [1892.3mm]
60178	5'-8 1/2" [1739.9mm]	8'-2 1/2" [2501.9mm]
60946	12'-8 1/2" [3873.5 mm]	15'-2 1/2" [4635.5mm]
60947	10'-8 1/2" [3263.9mm]	13'-2 1/2" [4025.9 mm]
60948	8'-8 1/2" [2654.3mm]	11'-2 1/2" [3416.3mm]
60949	4'-8 1/2" [1435.1mm]	7'-2 1/2" [2197.1mm]
60956	6'-8 1/2" [2044.7mm]	9'-2 1/2" [2806.7mm]
61538	1'-8 1/2" [520.7mm]	4'-2 1/2" [1282.7mm]
61539	2'-8 1/2" [1282.7mm]	5'-2 1/2" [1587.8mm]

SHOCK ABSORBING PROPERTIES OF RESILIENT SURFACING MATERIALS VARY. IF YOU DETREMINE THAT LESS THAN 10" OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH BEFORE APPLYING SURFACING. IF MORE THAN 10" IS REQUIRED MAKE UP THE DIFFERENCE BY REDUCING THE DEPTH OF THE GROUND HOLE BY NO MORE THAN 2".

NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF RESILIENT SURFACE MATERIAL AND CONCRETE



NOTE:
-SUGGESTED MINIMUM CONCRETE RATING 3000 PSI

ELEVATION VIEW

Issued/Revised: 7/11/2019

SuperMax Play Systems

Model No: _____

Desc: _____

MODEL NO. 60061 Small Kickplate (For Deck Spaced 8" Apart)

PARTS LIST

DESCRIPTION	No. REQ'D	PART NUMBER
Small Kickplate	1	305742
Hardware Complete	1	302411
3/8" x 3/4" P.B.H.C.S. w/Patch	8	812052*
3/8" Lock Nut	8	804353*
3/8" Flat Washer (1 1/4" O.D.)	16	817424*

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

Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area. 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.

SPECIFICATIONS:

Kickplate measures 9-1/2" x 38" and is cut from galvanneal sheet metal with eight (8) 7/16" x 1" slotted holes punched to coincide with deck flange holes and receives a baked-on polyester powder-coat finish after fabrication.

Primary hardware is stainless steel.

INSTALLATION INSTRUCTIONS:

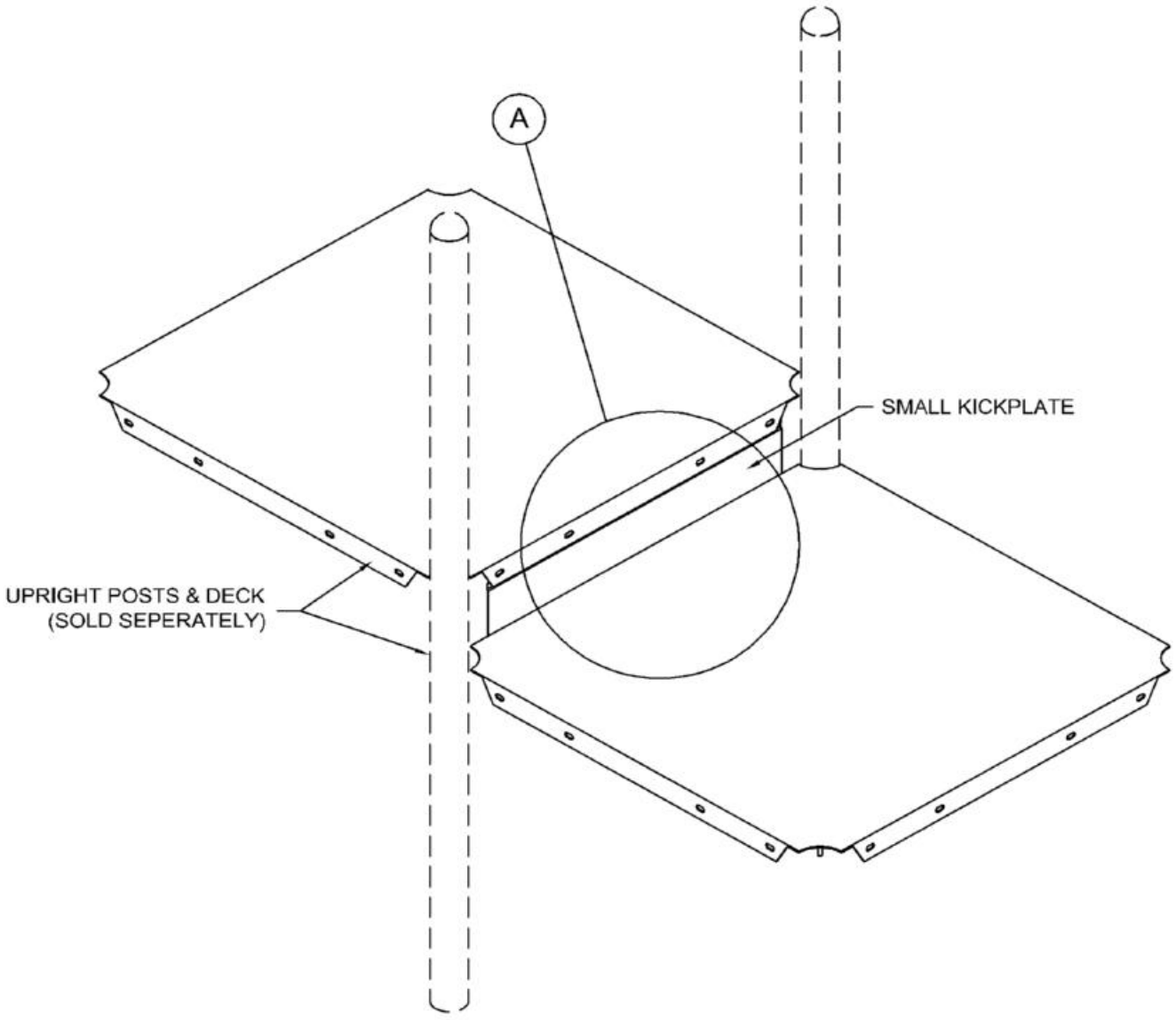
1. Refer to the main drawing to locate decks, which are spaced 8" apart. These will require Kickplate(s). Attach Kickplates after decks have been installed, but before deck clamps have been pinned, in case adjustment in deck heights is required to match up holes in deck flanges with holes in Kickplate.

2. Fasten the Kickplate between decks as shown in the drawing. No portion of the Kickplate should be protruding in a manner that could cause a user to receive a cut, scrape or trip over an edge. Any rough edges should be filed smooth, and any protruding corners should be flattened. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

MAINTENANCE PROCEDURE:

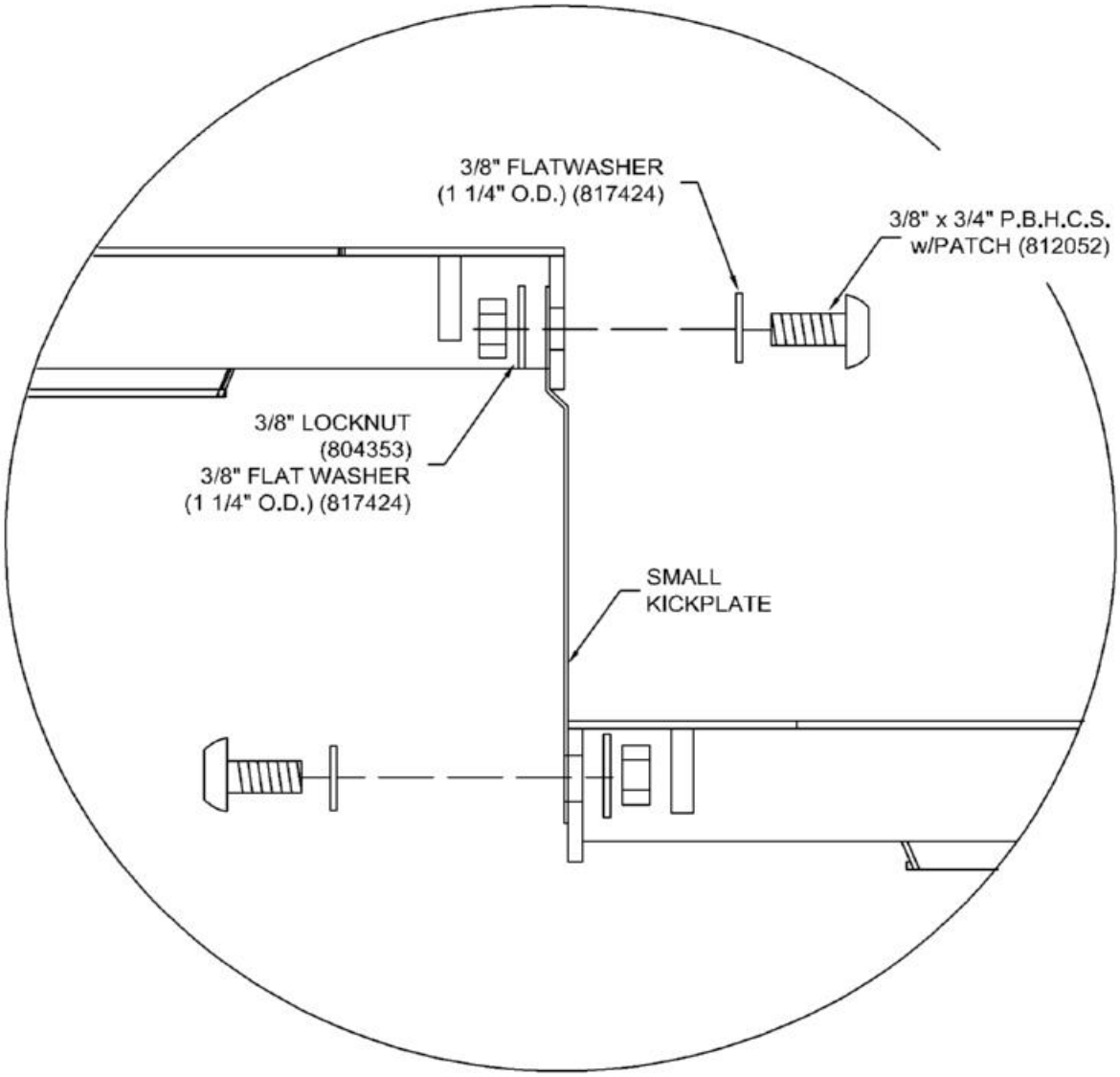
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check for welded areas and verify integrity. Check Plastisol-coating for bare spots and touch-up with Plastisol if necessary. Clear any trapped debris from deck perforations. 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.

MODEL NO. 60061 Small Kickplate (For Deck Spaced 8" Apart)



FINISHED ASSEMBLY

MODEL NO. 60061 Small Kickplate (For Deck Spaced 8" Apart)



DETAIL "A"

MODEL NO. 60102 SuperMax 72" Aluminum Post w/ Cap
MODEL NO. G60102 SuperMax 72" Galvanized Post w/ Cap

PARTS LIST

DESCRIPTION	60102	G60102	PART NUMBER
5" O.D. Post w/ Cap (Aluminum)	1	0	300057
5" O.D. Post w/ Cap (Galvanized)	0	1	G00057

Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area.

ALUMINUM SPECIFICATIONS:

Post is 5" O.D. x 72", 0.125" wall thickness 6005-T5 extruded seamless Aluminum tubing. Tensile strength is 38,000 psi, and yield strength is 35,000 psi. Entire post is polyester powder-coated after fabrication. A cast aluminum cap of matching color is factory riveted into the top end using two (2) aluminum rivets.

Weight: 14 lb. / 6.4 kg.

GALVANIZED SPECIFICATIONS:

Post is 5" O.D. 11-gauge galvanized steel tubing with a baked-on polyester powder-coated finish. A cast aluminum cap powder-coated to match the post color is factory-riveted to the top end using two (2) aluminum rivets.

Weight: 38 lb. / 17.2 kg.

INSTALLATION INSTRUCTIONS:

1. The models 60102 and G60102 are for one (1) Upright Post only. Please refer to your plan drawing and footing diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure from the lower end of each Upright Post and mark using a felt-tip maker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof maker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that it is time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will be installing. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be installing.

3. Run a string line along the side of a row of posts. Select a row of posts, which are common to a majority of the play structure. Using a string level, make sure the string line is at the projected finish grade mark. Now, measure and dig footings for posts along the string line according to the footing diagram. As you go along, you will want to run new string lines for each row of posts, and set posts so that the top mark on each post meets the string line.

4. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.

5. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only when all positions are correct. When pouring the footers, make sure the concrete level has a slight downward slope away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

MODEL NO. 60102 SuperMax 72" Aluminum Post w/ Cap
MODEL NO. G60102 SuperMax 72" Galvanized Post w/ Cap

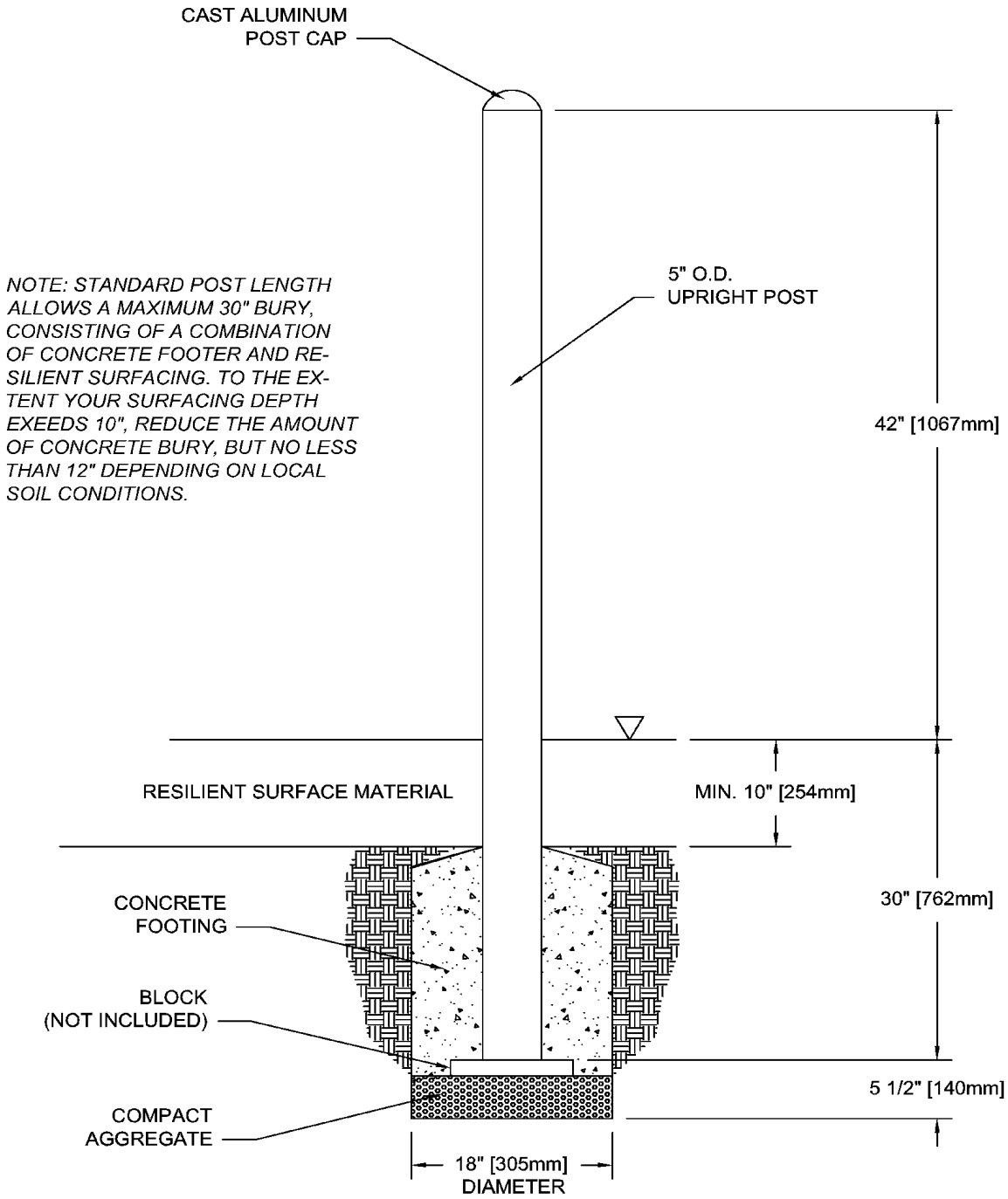
IMPORTANT:

To cushion accidental falls, park Structures strongly recommends that the area under and around the play structure be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10", and as much as 12" for fall heights greater than 48". Approved rubber safety matting can also be used. 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 provided within the assembly Instructions packet.

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 are repaired or replaced. Check all decks for Plastisol-coating peeling and touch-up with Plastisol if necessary. Check for holes on deck, clean if necessary. 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.

MODEL NO. 60102 SuperMax 72" Aluminum Post w/ Cap
MODEL NO. G60102 SuperMax 72" Galvanized Post w/ Cap



NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF CONCRETE FOOTER AND RESILIENT SURFACING. TO THE EXTENT YOUR SURFACING DEPTH EXEEDS 10", REDUCE THE AMOUNT OF CONCRETE BURY, BUT NO LESS THAN 12" DEPENDING ON LOCAL SOIL CONDITIONS.

MODEL NO. 60178 Aluminum 96" Post w/Cap
MODEL NO. G60178 Galvanized 96" Post w/Cap

PARTS LIST

DESCRIPTION	*60178*	*G0178*	*PART NUMBER*
Post w/ cap (Aluminum)	1	0	300521
Post w/ cap (Galvanized)	0	1	G00521

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

Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area.

ALUMINUM SPECIFICATIONS:
Post is 5" O.D. x 144", 0.125" wall thickness 6005-T5 extruded seamless Aluminum tubing. Tensile strength is 38,000 psi, and yield strength is 35,000 psi. Entire post is polyester powder-coated after fabrication. A cast aluminum cap of matching color is factory riveted into the top end using two (2) aluminum rivets.

Weight: 19 lb. / 8.6 kg

GALVANIZED SPECIFICATIONS:
Post is 5" O.D. 11-gauge galvanized steel tubing with a baked-on polyester powder-coated finish. A cast aluminum cap powder-coated to match the post color is factory-riveted to the top end using two (2) aluminum rivets.

Weight: 51 lb. / 23.1 kg

INSTALLATION INSTRUCTIONS:

1. The models 60178 and G60178 are for one (1) Upright Post only. Please refer to your plan drawing and footing diagram to determine the proper quantity required and locations of Upright Posts.
2. Measure from the lower end of each Upright Post and mark using a felt-tip maker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof maker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that it is time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will be installing. (Refer to the *Safety Guidelines* to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram). Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be installing.
3. Run a string line along the side of a row of posts. Select a row of posts, which are common to a majority of the play structure. Using a string level, make sure the string line is at the projected finish grade mark. Now, measure and dig footings for posts along the string line according to the footing diagram. As you go along, you will want to run new string lines for each row of posts, and set posts so that the top mark on each post meets the string line.
4. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.
5. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only when all positions are correct. When pouring the footers, make sure the concrete level has a slight downward slope away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

IMPORTANT:

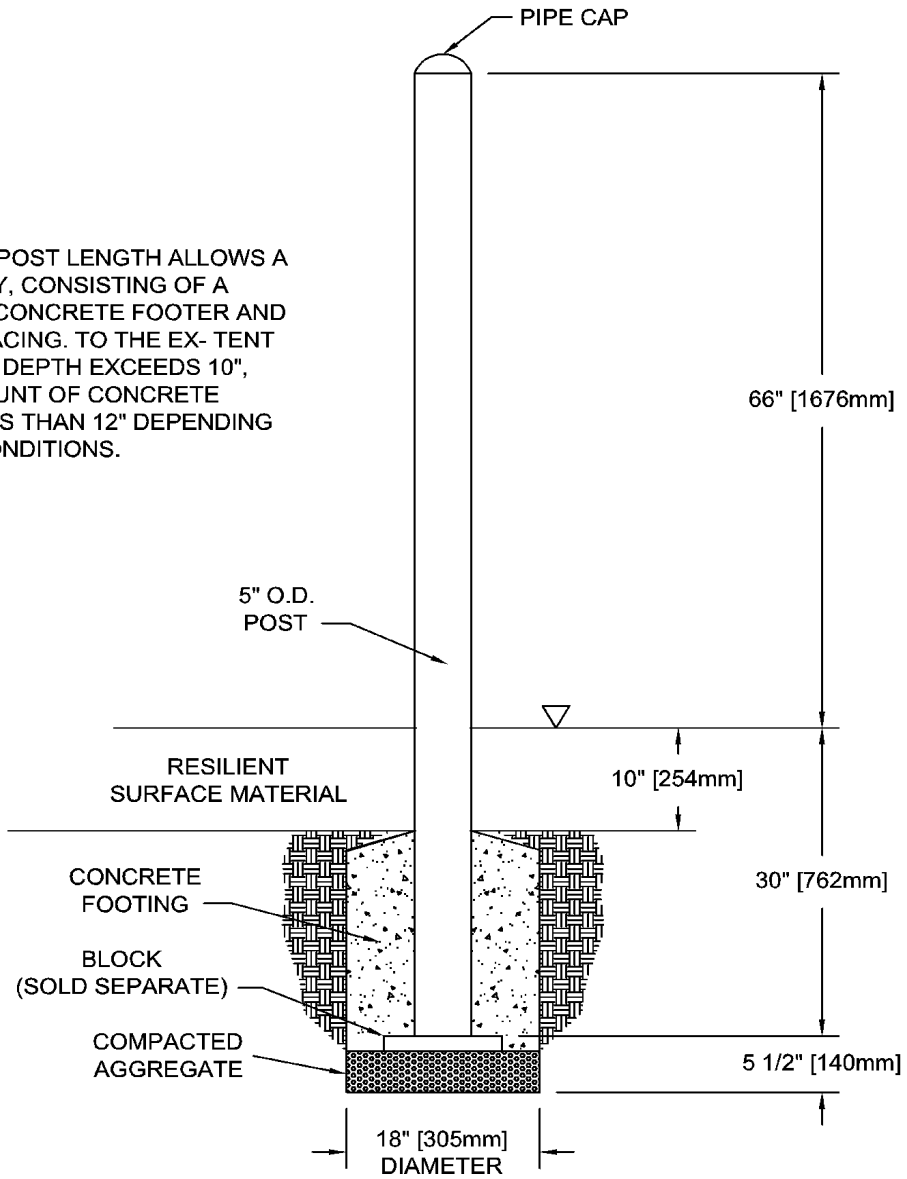
To cushion accidental falls, Park Structures strongly recommends that the area under and around the play structure be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10", and as much as 12" for fall heights greater than 48". Approved rubber safety matting can also be used. 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* provided within the assembly Instructions packet.

MODEL NO. 60178 Aluminum 96" Post w/Cap
MODEL NO. G60178 Galvanized 96" Post w/Cap

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 peeling and touch-up if necessary with paint. Check for welded areas and verify integrity. Check for cracks, gouges or breakage on plastic, check for integrity of the plastic, keep plastic clean of any extraneous substances, verify that any deformation does not create entrapment as specified on ASTM F1487-98 section 6. 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.

NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF CONCRETE FOOTER AND RE- SILIENT SURFACING. TO THE EX- TENT YOUR SURFACING DEPTH EXCEEDS 10", REDUCE THE AMOUNT OF CONCRETE BURY, BUT NO LESS THAN 12" DEPENDING ON LOCAL SOIL CONDITIONS.



MODEL NO. 60949 Aluminum 84" Post with Cap
MODEL NO. G60949 Galvanized 84" Post with Cap

PARTS LIST

DESCRIPTION	60949	G60949	PART NUMBER
5" O.D. Post with Cap (Aluminum)	1	0	305807
5" O.D. Post with Cap (Galvanized)	0	1	G05807

Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area.

ALUMINUM SPECIFICATIONS:
Post is 5" O.D. x 84", 0.125" wall thickness 6005-T5 extruded seamless Aluminum tubing. Tensile strength is 38,000 psi, and yield strength is 35,000 psi. Entire post is polyesterpowder-coated after fabrication. A cast aluminum cap of matching color is factory rivited into the top end using two (2) aluminum rivets.

Weight: 16.75 lb. / 7.60 kg.

GALVANIZED SPECIFICATIONS:
Post is 5" O.D. 11-gauge galvanized steel tubing with a baked-on polyester powder-coated finish. A cast aluminum cap of matching color is factory rivited into the top end using two (2) aluminum rivets.

Weight: 44.78 lb. / 20.31 kg.

INSTALLATION INSTRUCTIONS:

1. The models 60949 and G60949 are for one (1) Upright Post only. Please refer to your plan drawing and footing diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure from the lower end of each Upright Post and mark using a felt-tip maker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof maker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that itis time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will beinstalling. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be installing.

3. Run a string line along the side of a row of posts. Select a row of posts, which are common to a majority of the play structure. Using a string level, make sure the string line is at the projected finish grade mark. Now, measure and dig footings for posts along the string line according to the footing diagram. As you go along, you will want to run new string lines for each row of posts, and set posts so that the top mark on each post meets the string line.

4. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.

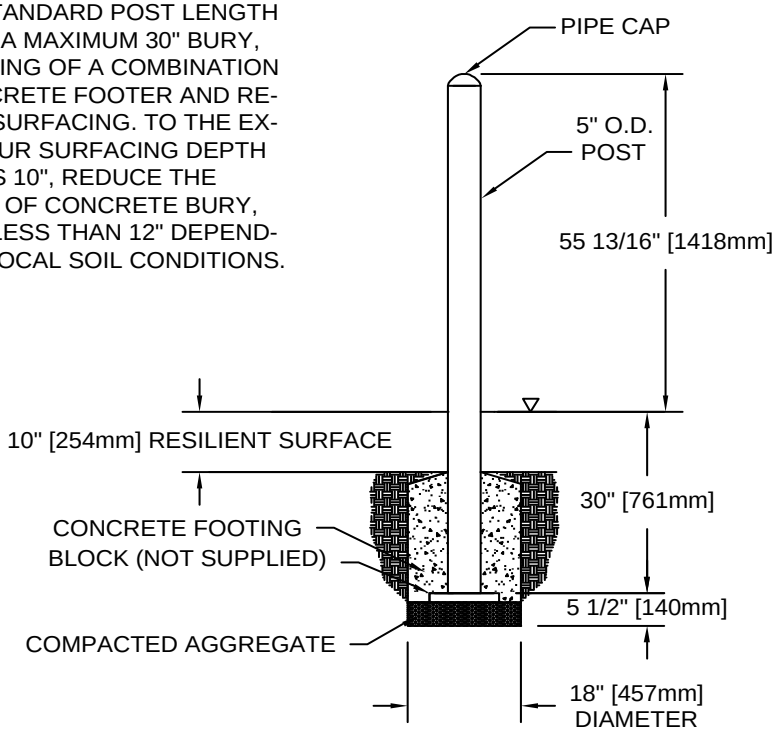
5. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only whenall positions are correct. When pouring the footers, make sure the concrete level has a slight downward slope away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

MODEL NO. 60949 Aluminum 84" Post with Cap
MODEL NO. G60949 Galvanized 84" Post with Cap

IMPORTANT:
To cushion accidental falls, park Structures strongly recommends that the area under and around the play structure be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10", and as much as 12" for fall heights greater than 48". Approved rubber safety matting can also be used. 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 provided within the assembly Instructions packet.

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 are repaired or replaced. Check all decks for Plastisol-coating peeling and touch-up with Plastisol if necessary. Check for holes on deck, clean if necessary. 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.

NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF CONCRETE FOOTER AND RESILIENT SURFACING. TO THE EXTENT YOUR SURFACING DEPTH EXCEEDS 10", REDUCE THE AMOUNT OF CONCRETE BURY, BUT NO LESS THAN 12" DEPENDING ON LOCAL SOIL CONDITIONS.



MODEL NO. 60956 Aluminum 108" Post with Cap
MODEL NO. G60956 Galvanized 108" Post with Cap

PARTS LIST

DESCRIPTION	60956	G60956	PART NUMBER
5" O.D. Post w/o Cap (Aluminum)	1	0	305810
5" O.D. Post w/o Cap (Galvanized)	0	1	G05810

Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area.

ALUMINUM SPECIFICATIONS:
Post is 5" O.D. x 108", 0.125" wall thickness 6005-T5 extruded seamless Aluminum tubing. Tensile strength is 38,000 psi, and yield strength is 35,000 psi. Entire post is polyester powder-coated after fabrication. A cast aluminum cap of matching color is factory rivited into the top end using two (2) aluminum rivets.

Weight: 21.25 lb. / 9.63 kg.

GALVANIZED SPECIFICATIONS:
Post is 5" O.D. 11-gauge galvanized steel tubing with a baked-on polyester powder-coated finish. A cast aluminum cap of matching color is factory rivited into the top end using two (2) aluminum rivets.

Weight: 57.29 lb. / 25.98 kg.

INSTALLATION INSTRUCTIONS:

1. The models 60945 and G60945 are for one (1) Upright Post only. Please refer to your plan drawing and footing diagram to determine the proper quantity required and locations of Upright Posts.

2. Measure from the lower end of each Upright Post and mark using a felt-tip maker 30" up from the end (optionally, this mark can be made with a fluorescent weather-proof maker of paint. It would become exposed as resilient surfacing wears away, thereby alerting maintenance personnel that it is time to replenish the surfacing). This should be your grade level once the post is in the ground and resilient surfacing is installed. To locate the finished ground level, you must decide how much resilient surface material you will be installing. (Refer to the Safety Guidelines to decide how much resilient surface to use, and note that a maximum total bury of 30" is provided per post, to include both the resilient surfacing and the concrete per post, to include both the resilient surfacing and the concrete footer. See the accompanying diagram.) Place a mark below the 30" level to represent the finished ground level in the amount of resilient surface you will be installing.

3. Run a string line along the side of a row of posts. Select a row of posts, which are common to a majority of the play structure. Using a string level, make sure the string line is at the projected finish grade mark. Now, measure and dig footings for posts along the string line according to the footing diagram. As you go along, you will want to run new string lines for each row of posts, and set posts so that the top mark on each post meets the string line.

4. Set the upright posts into the excavated footings in accordance with the footing diagram. Use a brick, small piece of plywood, or other blocking device (not supplied) at the bottom of each post to prevent the posts from sinking into the earth during plumbing and leveling.

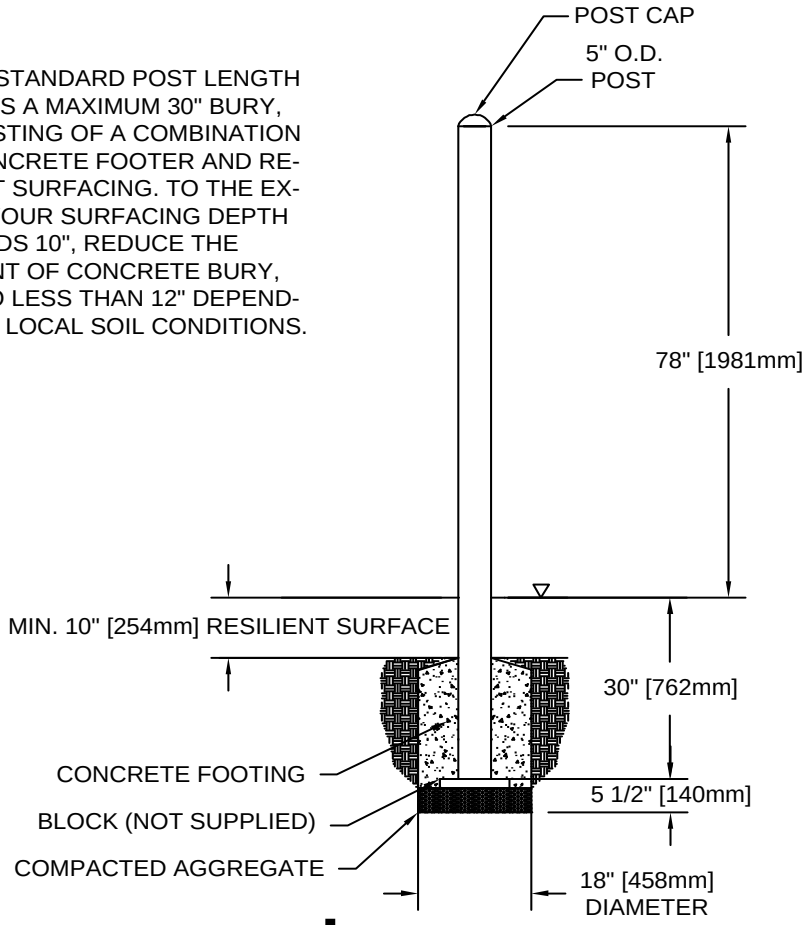
5. Once the entire play structure is assembled, and all posts have been properly braced, re-check plumb and level. Pour concrete per the typical footing diagram only when all positions are correct. When pouring the footers, make sure the concrete level has a slight downward slope away from the post. Concrete that may have splashed onto the post should be washed off before it dries. Allow all concrete to harden a minimum of 48 hours before allowing children to play on the structures. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

MODEL NO. 60956 Aluminum 108" Post with Cap
MODEL NO. G60956 Galvanized 108" Post with Cap

IMPORTANT:
To cushion accidental falls, park Structures strongly recommends that the area under and around the play structure be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10", and as much as 12" for fall heights greater than 48". Approved rubber safety matting can also be used. 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 provided within the assembly Instructions packet.

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 are repaired or replaced. Check all decks for Plastisol-coating peeling and touch-up with Plastisol if necessary. Check for holes on deck, clean if necessary. 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.

NOTE: STANDARD POST LENGTH ALLOWS A MAXIMUM 30" BURY, CONSISTING OF A COMBINATION OF CONCRETE FOOTER AND RESILIENT SURFACING. TO THE EXTENT YOUR SURFACING DEPTH EXCEEDS 10", REDUCE THE AMOUNT OF CONCRETE BURY, BUT NO LESS THAN 12" DEPENDING ON LOCAL SOIL CONDITIONS.



65170 TOT MATES SELFIE SWING 3 1/2" O.D.
65178 TOT MATES SELFIE SWING 5" O.D.

Parts List			
DESCRIPTION	65170	65178	PART NUMBER
SWING HANGER (3-1/2" O.D.)	2	0	1462
SWING HANGER (5" O.D.)	0	2	1487
SELFIE TOT SEAT	2	2	314668
DOUBLE TOT LARGE FRAME ASS'Y	1	1	314923
DOUBLE TOT CHAIN	4	4	314928
HARDWARE COMPLETE	1	1	314696
D SHACKLE w/NO-SNAG PIN	4	4	161853
APPROPRIATE AGE LABEL	1	1	305551
WARNING LABEL	1	1	309483
SELFIE LABEL	1	1	314907
SELFIE SWING SAFETY LABEL	1	1	314908
3/8" x 2" P.B.H.C.S. w/PATCH	4	4	812055
3/8" LOCK WASHER	4	4	817334
3/8" FLAT WASHER	4	4	817410
3/8" PLASTIC SPACER	8	8	817613

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.

SPECIFICATIONS:

DOUBLE TOT LARGE FRAME WELDMENT:
All frame assemblies shall be an all weld assembly fabricated from 1.315 O.D. schedule 40 pipe, 12 ga. pickled and oil hot rolled flat steel cap, 954 aluminum bronze bushing, and 1/4" laser cut tab. The frame ass'y shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

SELFIE TOT SEAT:
All Rotationally Molded Products are manufactured from linear low-density polyethylene UV-stabilized color and an anti-static compound additive. The tensile strength of this material is to be 2500 PSI as defined by ASTM D638. The typical wall thickness will be .250" (1/4"). All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD). All solid plastic panels are manufactured from high-density polyethylene. All solid plastic panels shall meet or exceed the following specifications: Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790).

POWDER COAT FINISH:
Powder-coat shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage Alkaline bath system (free of iron phosphate), as a rust inhibitor, and a zirconium conversion coating to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a rich primer that forms a rust-resistant barrier layer over each weld prior to application of the color powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794-69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D 2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Oven-bake Stability 100% at 400 degrees Fahrenheit.

65170 TOT MATES SELFIE SWING 3 1/2" O.D.
65178 TOT MATES SELFIE SWING 5" O.D.

HARDWARE:
All nuts, bolts, and washers, with exceptions noted, shall be 3/8" diameter 18-8 stainless steel in varying lengths, with a vandalresistant hex-pinned head configuration and factory-applied locking patch. When allowed a 72-hour cure time, the locking patch will prevent the bolt from loosening without at least 4 times the installation torque. Play & Park Structures will supply the special tool required to turn vandal-resistant hardware with each shipment.

INSTALLATION INSTRUCTIONS:

1. Attach Swing Hanger (3-1/2" O.D.) to Top Rail. See Detail 218. **NOTE:** *DO NOT tighten Swing Hangers until properly spaced according to Elevation View with specific swing arrangement.*

2. Attach Selfie Tot Seat to Double Tot Large Frame Weldment using 3/8" x 2" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. See Detail 970.

3. Attach appropriate chain to Double Tot Large Frame Weldment using D Shackle w/No-Snag Pin and 3/8" Plastic Spacer. See Detail 421. **NOTE:** *Add Loctite to pin before attaching to tabs.*

4. Attach appropriate chain to Swing Hanger (3-1/2" O.D.). See Detail 218.

Note: If using two Tot Mates Selfie Swings in a single bay, ensure that horizontal arms of swing frames are adjacent to each other in order to prevent entering and exiting in path of adjacent swing.

5. Apply Selfie Swing Sticker to Double Tot Large Frame Weldment. See Detail 973.

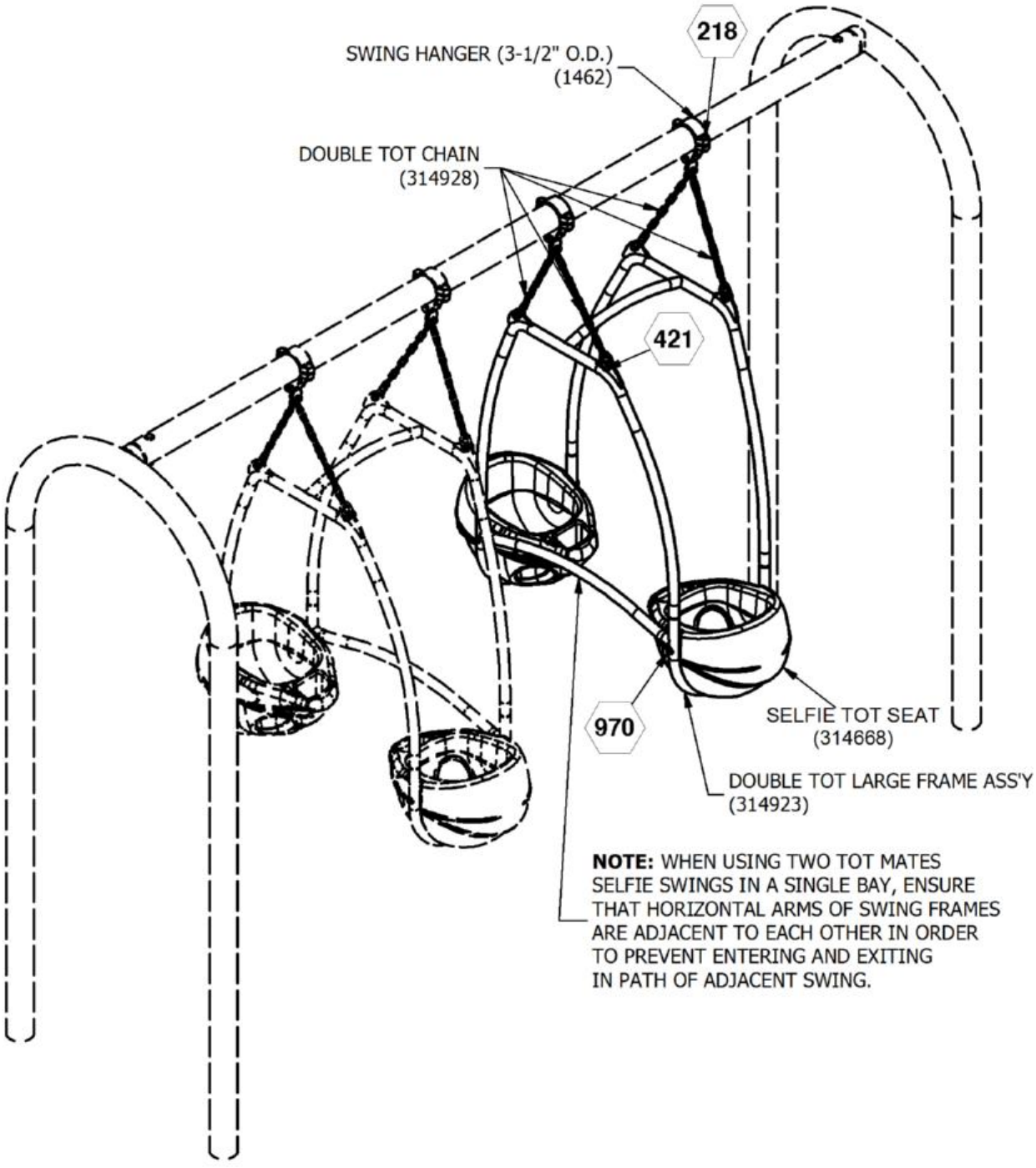
6. Plumb and level entire assembly and tighten all fasteners.

7. When 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.

65170 TOT MATES SELFIE SWING 3 1/2" O.D.
65178 TOT MATES SELFIE SWING 5" O.D.



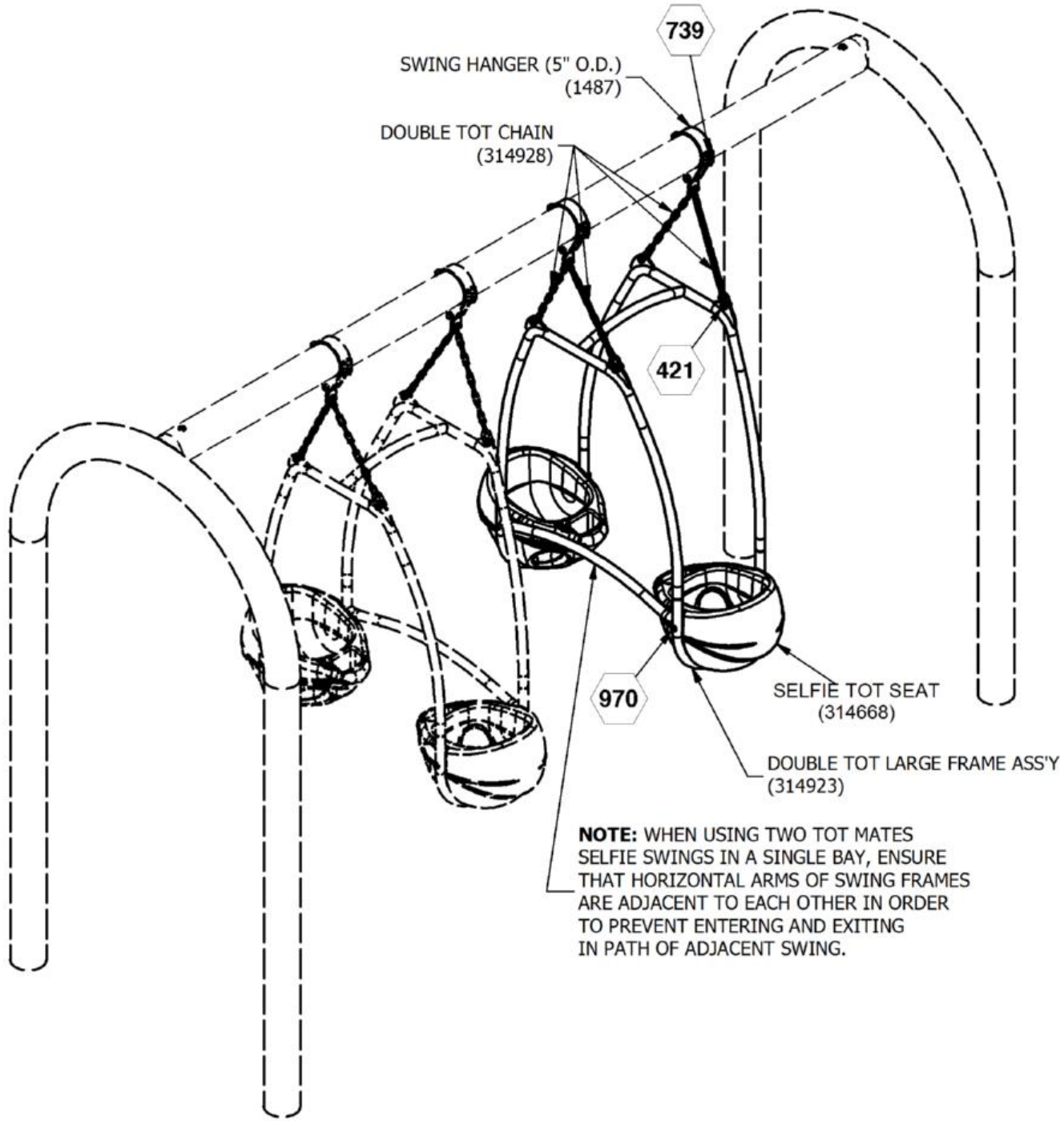
⬡ = INSTALLATION DETAIL

FINISHED ASSEMBLY
65170 SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 7/22/2019

65170 TOT MATES SELFIE SWING 3 1/2" O.D.
65178 TOT MATES SELFIE SWING 5" O.D.



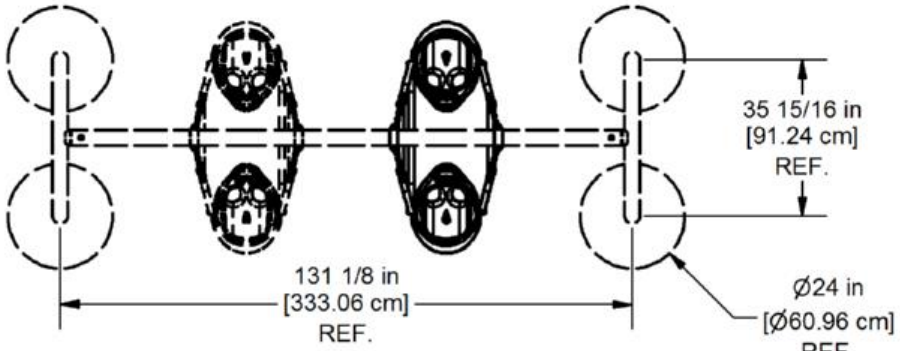
⬡ = INSTALLATION DETAIL

FINISHED ASSEMBLY
65178 SHOWN

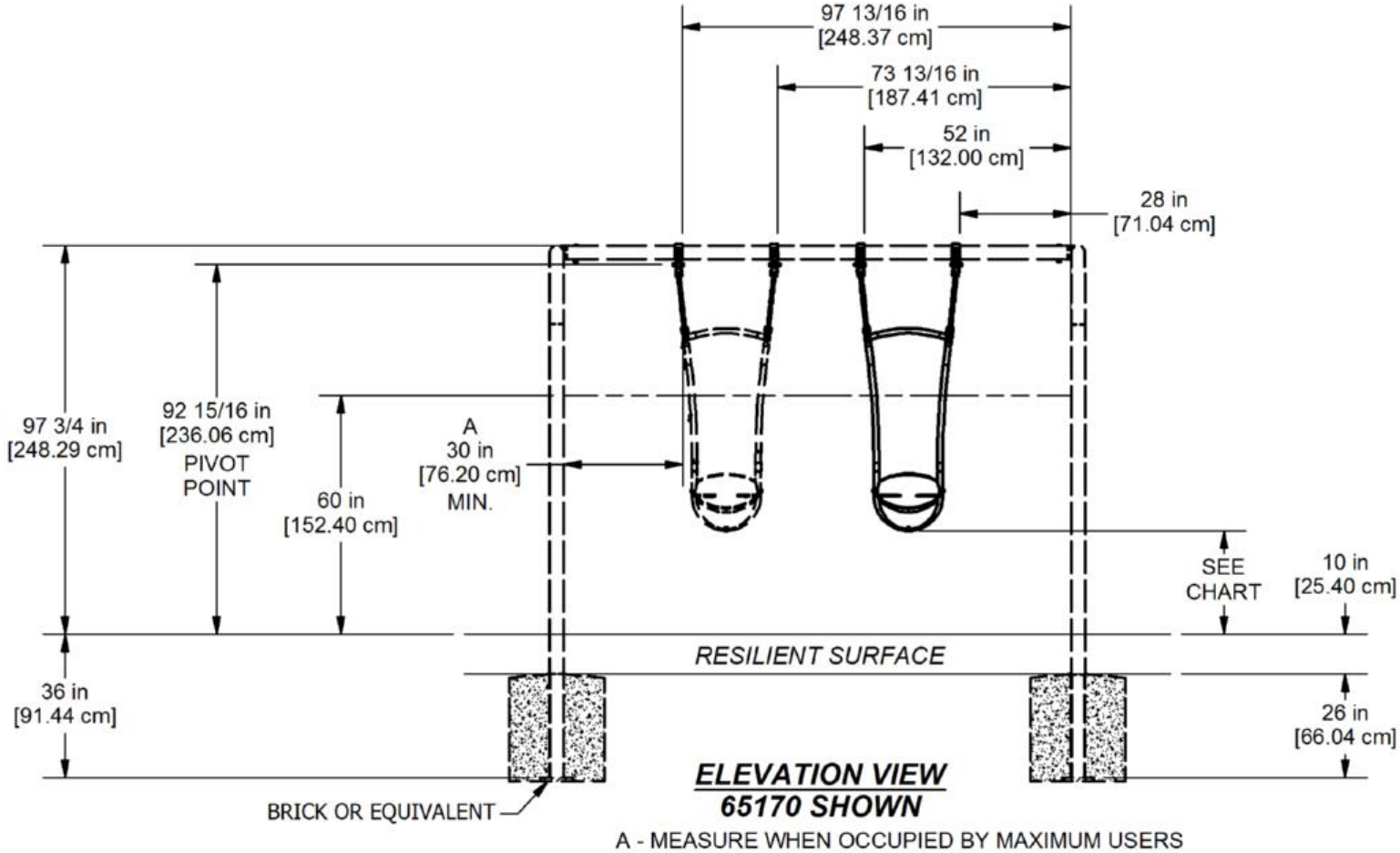
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 7/22/2019

65170 TOT MATES SELFIE SWING 3 1/2" O.D.
65178 TOT MATES SELFIE SWING 5" O.D.



PLAN VIEW



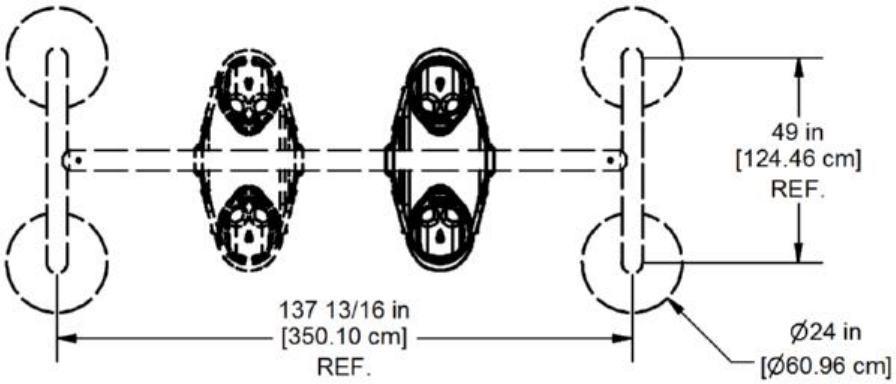
ELEVATION VIEW
65170 SHOWN

A - MEASURE WHEN OCCUPIED BY MAXIMUM USERS

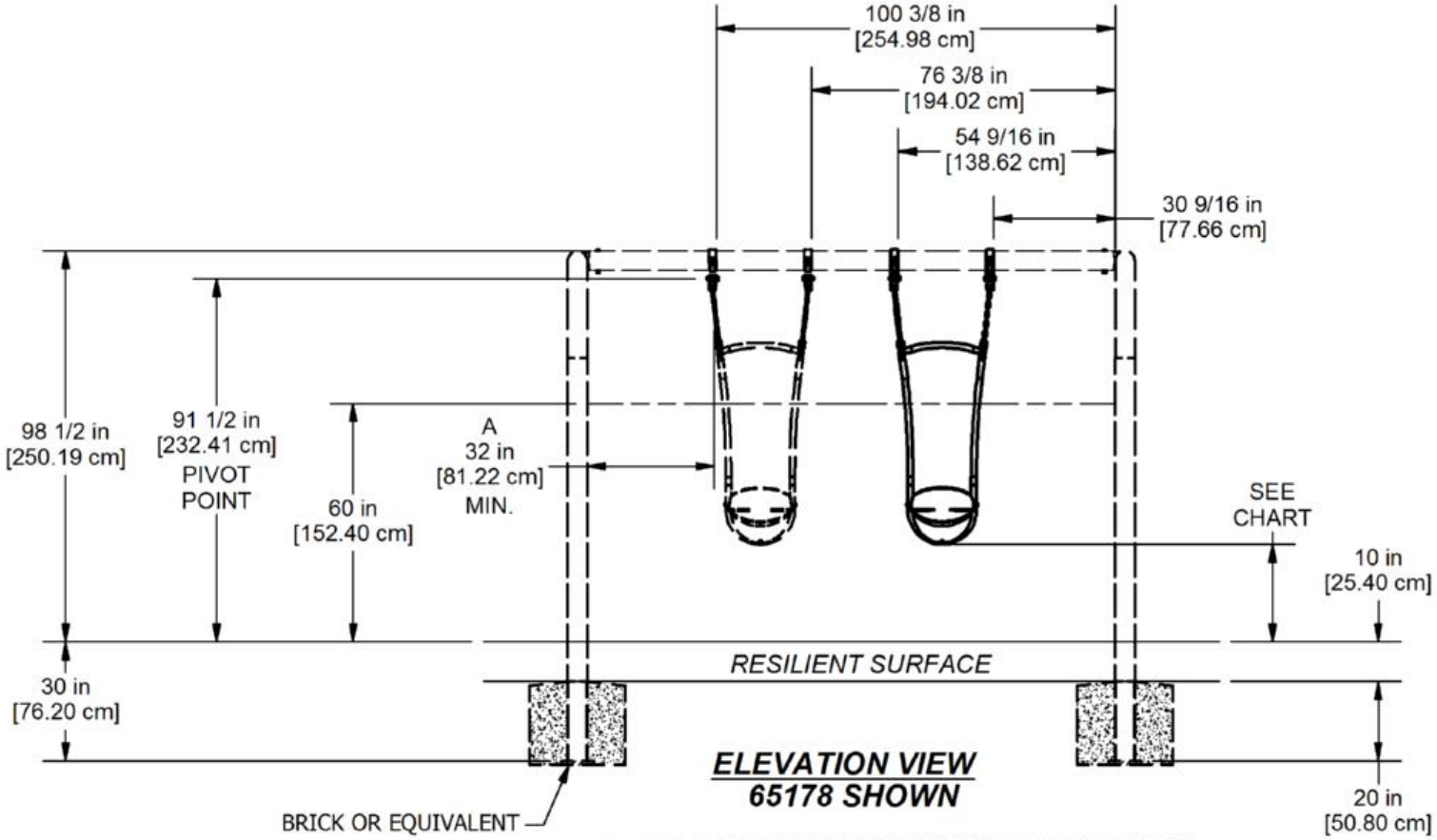
DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING		
STANDARD	MIN.	MAX.
*CANADIAN	0'-11 13/16" [300mm]	N/A
ASTM	1'-0" [304mm]	N/A
DIN	1'-1 3/4" [350mm]	N/A
CPSC	1'-0" [304mm]	N/A

* UNDER LOAD CONDITION BASED ON WEIGHT OF 165lb. [75kg.]

65170 TOT MATES SELFIE SWING 3 1/2" O.D.
65178 TOT MATES SELFIE SWING 5" O.D.



PLAN VIEW



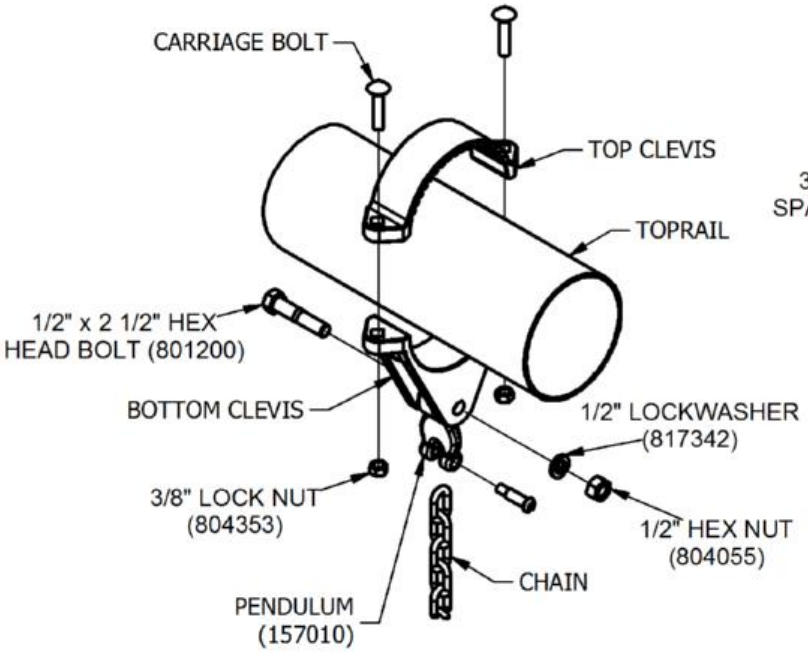
ELEVATION VIEW
65178 SHOWN

A - MEASURE WHEN OCCUPIED BY MAXIMUM USERS

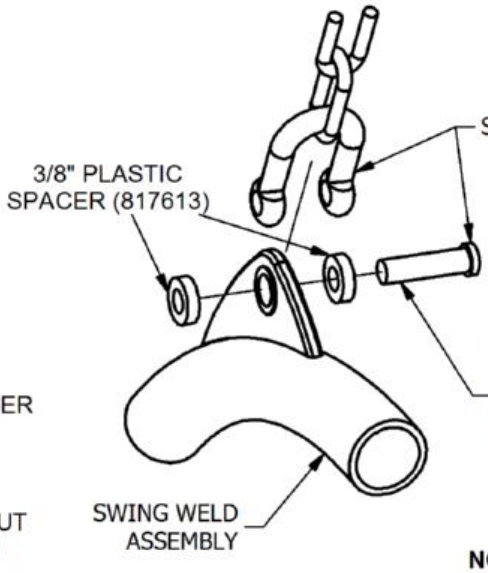
DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING		
STANDARD	MIN.	MAX.
*CANADIAN	0'-11 13/16" [300mm]	N/A
ASTM	1'-0" [304mm]	N/A
DIN	1'-1 3/4" [350mm]	N/A
CPSC	1'-0" [304mm]	N/A

* UNDER LOAD CONDITION BASED ON WEIGHT OF 165lb. [75kg.]

65170 TOT MATES SELFIE SWING 3 1/2" O.D.
65178 TOT MATES SELFIE SWING 5" O.D.

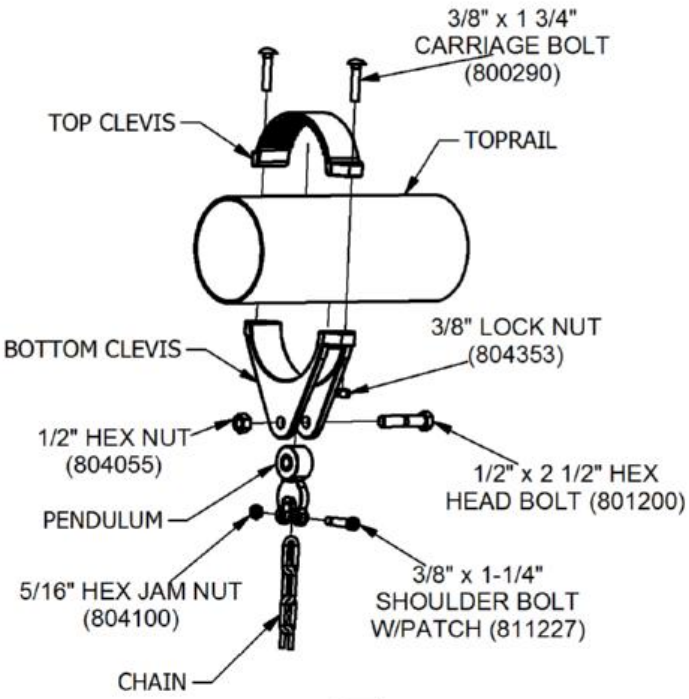


218

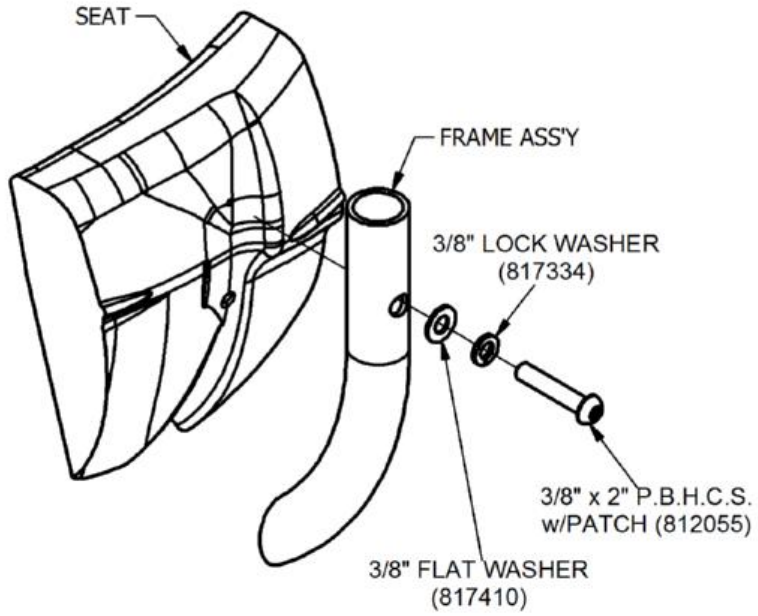


NOTE:
SPACERS LOCATED BETWEEN TAB AND INTERIOR OF SHACKLE.

421

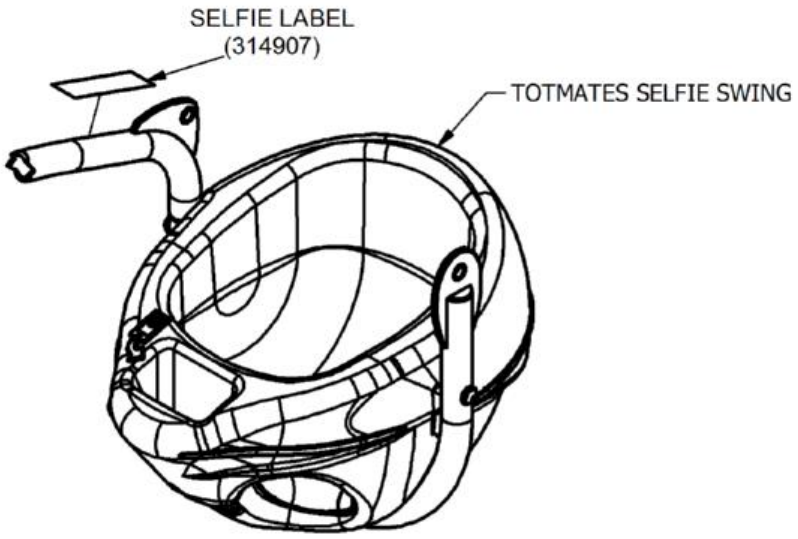


739



970

65170 TOT MATES SELFIE SWING 3 1/2" O.D.
65178 TOT MATES SELFIE SWING 5" O.D.



973

65191 NDS FITNESS SIGN PACKAGE
65192 NDS PLAY ON SIGN PACKAGE
65193 NDS INCLUSIVE PLAY SIGN PACKAGE
65194 NDS PATHWAYS FOR PLAY SIGN PACKAGE
65195 NDS NATURE GROUNDS SIGN PACKAGE

Parts List						
DESCRIPTION	65191	65192	65193	65194	65195	PART NUMBER
NDS FITNESS SIGN	1	0	0	0	0	216564
NDS PLAY ON SIGN	0	1	0	0	0	216566
NDS INCLUSIVE PLAY SIGN	0	0	1	0	0	216568
NDS PATHWAYS FOR PLAY SIGN	0	0	0	1	0	216570
NDS NATURE GROUNDS SIGN	0	0	0	0	1	216572
SIGN POST WELD ASS'Y	1	1	1	1	1	216574
HARDWARE COMPLETE	1	1	1	1	1	216580
1/4" x 3/4" B.H.C.S.	4	4	4	4	4	811010
1/4" LOCK WASHER	4	4	4	4	4	817327
1/4" FLAT WASHER (5/8" O.D.)	4	4	4	4	4	817408
1/2" ANCHOR ROD	1	1	1	1	1	135038

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.

SPECIFICATIONS:

SIGN POST WELD ASSEMBLY: Shall be fabricated from 3 1/2" O.D. x .095" (13 gauge) wall galvanized steel tubing and 1/4" thick hot rolled steel mounting plate. The Sign Post Weld Assembly shall be an all weld assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specification outlined herein.

NDS SIGNS: The NDS Signs shall be 1/2" thick exterior DHPL with a 12 color high definition printed graphic with four 1/4"-20 UNC threaded inserts for mounting.

POWDER COAT FINISH: Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a four stage solvent / zirconium based bath system (free of iron phosphate), as a rust inhibitor, and a zirconium conversion coating to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: Two coat process to achieve 3.0 - 5.0 mil thickness and oven cured between 350 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 350 degrees Fahrenheit for 10 minutes.

HARDWARE: All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. NOTE: All weights are based on average comparisons of each part.

65191 NDS FITNESS SIGN PACKAGE
65192 NDS PLAY ON SIGN PACKAGE
65193 NDS INCLUSIVE PLAY SIGN PACKAGE
65194 NDS PATHWAYS FOR PLAY SIGN PACKAGE
65195 NDS NATURE GROUNDS SIGN PACKAGE

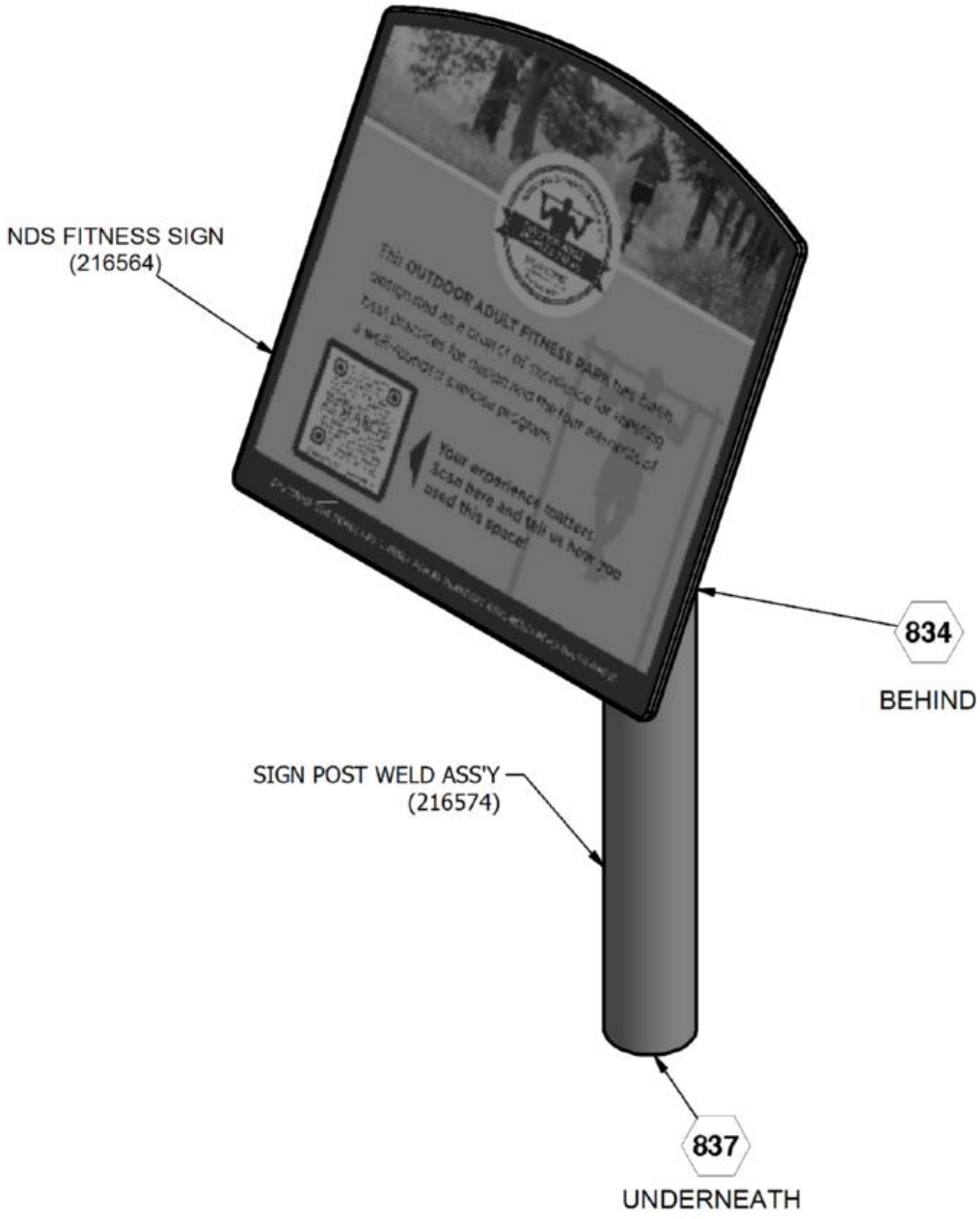
INSTALLATION INSTRUCTIONS:

1. Determine location for sign and dig footing. Refer to the Elevation View for footing depth.
2. Bolt NDS Sign into Sign Post Weld Ass'y using 1/4" x 3/4" B.H.C.S., 1/4" Lock Washer, and 1/4" Flat Washer (5/8" O.D.). See Detail 834.
3. Insert 1/2" Anchor Rod into Sign Post Weld Ass'y. See Detail 837.
4. Place Assembly into ground hole.
5. Plumb and level the entire assembly and tighten all fasteners.
6. Pour concrete footings within 4" to the top and taper away from posts for good water drainage. Allow curing at least 48 hours before proceeding.
7. 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.

65191 NDS FITNESS SIGN PACKAGE
65192 NDS PLAY ON SIGN PACKAGE
65193 NDS INCLUSIVE PLAY SIGN PACKAGE
65194 NDS PATHWAYS FOR PLAY SIGN PACKAGE
65195 NDS NATURE GROUNDS SIGN PACKAGE

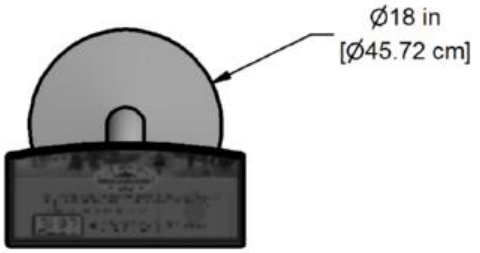


= INSTALLATION DETAIL

Issued/Revised: 2/21/2019

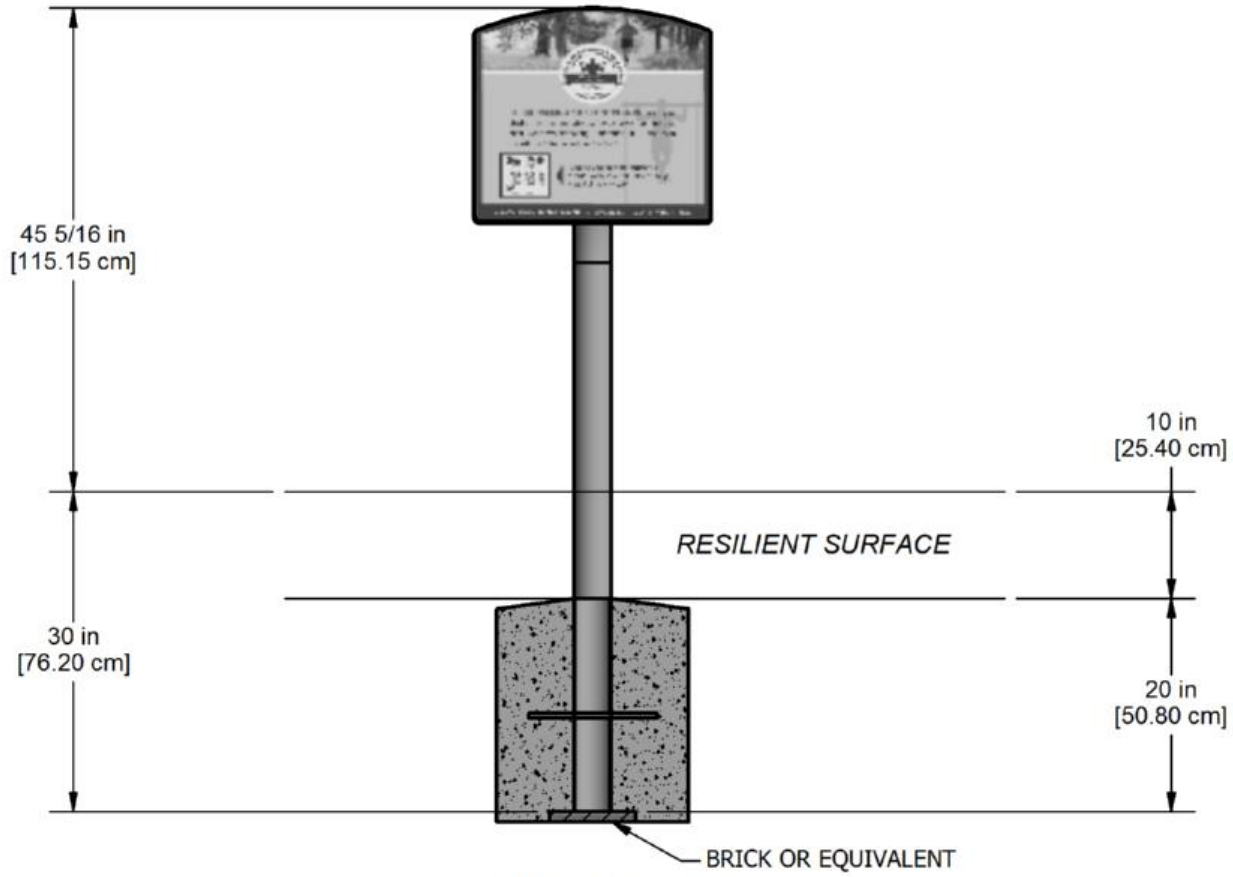
FINISHED ASSEMBLY
65191 SHOWN

65191 NDS FITNESS SIGN PACKAGE
65192 NDS PLAY ON SIGN PACKAGE
65193 NDS NATURE GROUNDS SIGN PACKAGE
65194 NDS PATHWAYS FOR PLAY SIGN PACKAGE
65195 NDS NATURE GROUNDS SIGN PACKAGE



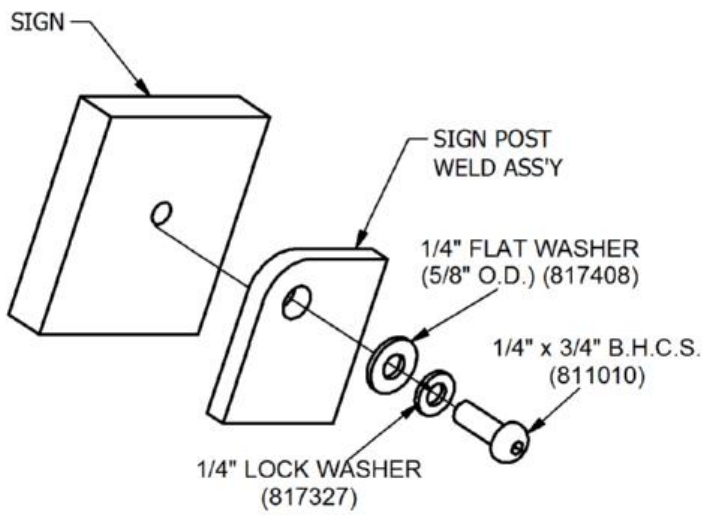
PLAN VIEW

CONCRETE REQUIRED
0.109 CUBIC YARDS
0.083 [CUBIC METERS]

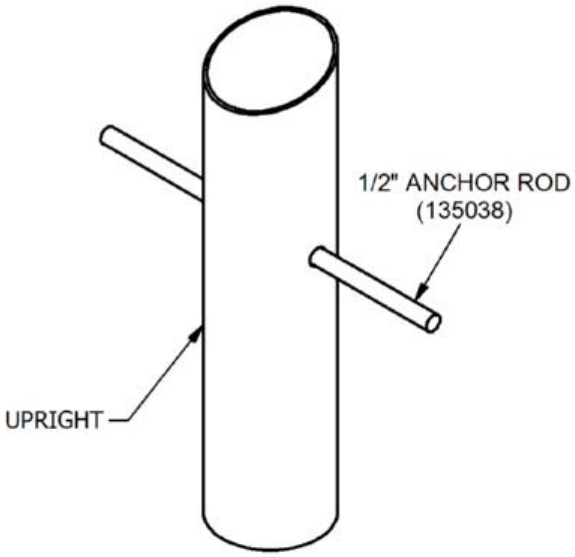


ELEVATION VIEW
65191 SHOWN

65191 NDS FITNESS SIGN PACKAGE
65192 NDS PLAY ON SIGN PACKAGE
65193 NDS INCLUSIVE PLAY SIGN PACKAGE
65194 NDS PATHWAYS FOR PLAY SIGN PACKAGE
65195 NDS NATURE GROUNDS SIGN PACKAGE



834



837

65222 SHADED SWING 1 BAY; 65223 SHADED SWING 2 BAY; 65224 SHADED SWING 3 BAY; 65225 SHADED SWING 4 BAY

Parts List					
DESCRIPTION	65222	65223	65224	65225	PART NUMBER
5" SWING HANGER	4	8	12	16	1487
END CROWN WELD ASSEMBLY - 3 SOCKET	2	2	2	2	AFB-34708XX
MID CROWN WELD ASSEMBLY - 4 SOCKET	0	1	2	3	AFB-34709XX
RAFTER WELD ASSEMBLY - 108 3/4"	4	4	4	4	AFB-34710XX
RAFTER WELD ASSEMBLY - 84 3/4"	0	2	4	6	AFB-34711XX
STRUT WELD ASSEMBLY - 42 3/8"	4	4	4	4	AFB-34712XX
STRUT WELD ASSEMBLY - 33 1/8"	0	2	4	6	AFB-34713XX
SWING TOP BAR WELD ASSEMBLY	1	2	3	4	AFB-34715XX
CABLE - 87'	1	0	0	0	CA-5-87F
CABLE - 100'	0	1	0	0	CA-5-100F
CABLE - 135'	0	0	1	0	CA-5-135F
CABLE - 158'	0	0	0	1	CA-5-158F
RIDGE POLE - 126 5/8"	1	2	3	4	FAB-311155XX
FABRIC	1	0	0	0	FRSW23516G
FABRIC	0	1	0	0	FRSW3516G
FABRIC	0	0	1	0	FRSW46516G
FABRIC	0	0	0	1	FRSW5816G
GLIDE EXTENSION	4	6	8	10	GTMTA25592XX
COLUMN WELD ASSEMBLY - 2 SOCKET	0	1	2	3	PSA-5025XX
COLUMN WELD ASSEMBLY - 1 SOCKET	2	2	2	2	PSA-5034XX
1/4"-20 X1" TORX SELF TAPPING SCREW	8	12	16	20	HWS0021
3/8" x 1 1/4" SELF TAPPING TORX w/PATCH	12	20	28	36	HWS0081
1/2" x 3/4" ALLEN SCREW	4	8	12	16	HWS0016
1/2" x 1 3/4" HEX HEAD BOLT	8	12	16	20	HWB0021
1/2" x 2" B.H.C.S.	12	18	24	30	HWS0342
1/2" FLATWASHER	40	60	80	100	HWWR0022
1/2" NYLOCK NUT	20	30	40	50	HWN0025
T-45 BIT	1	1	1	1	HWM0132
12 OZ. AEROSOL CAN TOUCH UP PAINT	1	1	1	1	TouchUpMetal

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.

65222 SHADED SWING 1 BAY

INSTALLATION INSTRUCTIONS FOR 65222:

NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.

NOTE: Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

NOTE: Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

NOTE: Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

NOTE: Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

NOTE: Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

NOTE: Installation of the shade must be done after the playground has been installed, and concrete has cured approximately 48 hours. (Refer to Detail 893 for footing requirements of columns that support shade.)

1. Attach all Glide Extensions onto Rafter Weld Assemblies first using Detail 956. Run Glide hook to top position.
2. Attach End Crown Weld Assembly to Column Weld Assembly - 1 Socket using Detail 894.
3. Loosely attach Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.
4. Attach Strut Weld Assembly to Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.
5. Loosely attach adjacent Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.
6. Attach adjacent Strut Weld Assembly to adjacent Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.
7. Insert Ridge Pole into End Crown Weld Assembly using Detail 896. Tape for security.
8. Attach Swing Top Bar Weld Assembly to Column Weld Assembly - 1 Socket using Detail 898.
9. Attach Column Weld Assembly - 1 Socket to other end of Step 8 Swing Top Bar Weld Assembly using Detail 898.
10. Attach End Crown Weld Assembly to Column Weld Assembly - 1 Socket using Detail 894 and other end of Step 7 Ridge Pole using Detail 896. Tape for security.
11. Loosely attach Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.
12. Attach Strut Weld Assembly to Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.
13. Loosely attach adjacent Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.
14. Attach adjacent Strut Weld Assembly to adjacent Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.
15. Remove tape and secure all overhead Rafter Weld Assemblies and Ridge Poles with Self Tapping Screws per Detail 896.
16. Pour concrete footings and taper away from posts for water drainage. Allow to cure at least 48 hours. Temporary bracing may be required until concrete cures.
17. Identify the top of the fabric. The logo will be on the bottom.
18. Starting at any corner (Detail 958) thread the steel cable through the jump-out hole under loop at the edge of the shade fabric until it comes out the end of the sleeve at the next corner. Continue threading cable through sleeve all the way around the shade fabric until the entire shade fabric has been encircled. Cable will exit through jump-out hole on same corner it was started. Leave a loop of approximately 9 inches at each non-tensioning corner.
19. Spread the shade fabric over the frame securing two opposite corners to the Glide Extension Hook. **NOTE:** The Steel Cable must always pass under the Glide Extension Hook.

65222 SHADED SWING 1 BAY

20. It may be necessary to flap the loose corners up and down to stretch the shade fabric so that it fits over the Glide Extension Hook.

21. Plumb and level the entire assembly and tighten all fasteners.

IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

22. 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.

IMPORTANT! Fabric and Glide Drive with Glide Hook must be removed if Live Load/Roof Snow Load is expected to exceed 5 PSF and/or the basic wind speed is expected to exceed 90 mph in 3 sec. gusts, or 76 mph sustained wind loads (Hurricane Catagory 1).

** Glide Drive Removal **

1. At each Glide Extension, Remove cover plate, 3/8" x 7/8" flat washer, and 3/8" x 3/4" Allen button head screw. See Detail 957.

2. Rotate drive hex until hook is in full back position. See Detail 957. Repeat for all Glide Extension.

3. Remove Fabric, Cable, and cable clamps.

4. At each Glide Extension, Remove both 5/16" x 5/8" Allen button head bolts. Slide out guide drive with glide hook. See Detail 1058. Repeat for all Glide Extension. Store Fabric and all items for reuse.

65223 SHADED SWING 2 BAY

INSTALLATION INSTRUCTIONS FOR 65223:

NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.

NOTE: Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

NOTE: Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

NOTE: Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

NOTE: Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

NOTE: Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

NOTE: Installation of the shade must be done after the playground has been installed, and concrete has cured approximately 48 hours. (Refer to Detail 893 for footing requirements of columns that support shade.)

1. Attach all Glide Extensions onto Rafter Weld Assemblies first using Detail 956. Run Glide hook to top position.
2. Attach End Crown Weld Assembly to Column Weld Assembly - 1 Socket using Detail 894.
3. Loosely attach Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.
4. Attach Strut Weld Assembly to Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.
5. Loosely attach adjacent Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.
6. Attach adjacent Strut Weld Assembly to adjacent Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.
7. Insert Ridge Pole into End Crown Weld Assembly using Detail 896. Tape for security.
8. Attach Swing Top Bar Weld Assembly to Column Weld Assembly - 1 Socket using Detail 898.
9. Attach Column Weld Assembly - 2 Socket to other end of Step 8 Swing Top Bar Weld Assembly using Detail 898.
10. Attach Mid Crown Weld Assembly to Column Weld Assembly - 2 Socket using Detail 894 and other end of Step 7 Ridge Pole using Detail 897. Tape for security.
11. Loosely attach Rafter Weld Assembly to Mid Crown Weld Assembly using Detail 897. Tape for security.
12. Attach Strut Weld Assembly to Rafter Weld Assembly and Mid Crown Weld Assembly using Detail 895.
13. Loosely attach opposite side Rafter Weld Assembly to Mid Crown Weld Assembly using Detail 897. Tape for security.
14. Attach opposite side Strut Weld Assembly to opposite side Rafter Weld Assembly and Mid Crown Weld Assembly using Detail 895.
15. Insert Ridge Pole into Mid Crown Weld Assembly using Detail 897. Tape for security.
16. Attach Swing Top Bar Weld Assembly to Column Weld Assembly - 2 Socket using Detail 898.
17. Attach Column Weld Assembly - 1 Socket to other end of Step 16 Swing Top Bar Weld Assembly using Detail 898.
18. Attach End Crown Weld Assembly to Column Weld Assembly - 1 Socket using Detail 894 and other end of Step 15 Ridge Pole using Detail 896. Tape for security.
19. Loosely attach Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.
20. Attach Strut Weld Assembly to Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.
21. Loosely attach adjacent Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.

65223 SHADED SWING 2 BAY

22. Attach adjacent Strut Weld Assembly to adjacent Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.

23. Remove tape and secure all overhead Rafter Weld Assemblies and Ridge Poles with Self Tapping Screws per Detail 896 and 897.

24. Pour concrete footings and taper away from posts for water drainage. Allow to cure at least 48 hours. Temporary bracing may be required until concrete cures.

25. Identify the top of the fabric. The logo will be on the bottom.

26. Starting at any corner (Detail 958) thread the steel cable through the jump-out hole under loop at the edge of the shade fabric until it comes out the end of the sleeve at the next corner. Continue threading cable through sleeve all the way around the shade fabric until the entire shade fabric has been encircled. Cable will exit through jump-out hole on same corner it was started. Leave a loop of approximately 9 inches at each non-tensioning corner.

27. Spread the shade fabric over the frame securing two opposite corners to the Glide Extension Hook. **NOTE:** The Steel Cable must always pass under the Glide Extension Hook.

28. It may be necessary to flap the loose corners up and down to stretch the shade fabric so that it fits over the Glide Extension Hook.

29. Plumb and level the entire assembly and tighten all fasteners.

IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

30. 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.

IMPORTANT! Fabric and Glide Drive with Glide Hook must be removed if Live Load/Roof Snow Load is expected to exceed 5 PSF and/or the basic wind speed is expected to exceed 90 mph in 3 sec. gusts, or 76 mph sustained wind loads (Hurricane Catagory 1).

** Glide Drive Removal **

1. At each Glide Extension, Remove cover plate, 3/8" x 7/8" flat washer, and 3/8" x 3/4" Allen button head screw. See Detail 957.

2. Rotate drive hex until hook is in full back position. See Detail 957. Repeat for all Glide Extension.

3. Remove Fabric, Cable, and cable clamps.

4. At each Glide Extension, Remove both 5/16" x 5/8" Allen button head bolts. Slide out guide drive with glide hook. See Detail 1058. Repeat for all Glide Extension. Store Fabric and all items for reuse.

65224 SHADED SWING 3 BAY

INSTALLATION INSTRUCTIONS FOR 65224:

NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.

NOTE: Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

NOTE: Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

NOTE: Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

NOTE: Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

NOTE: Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

NOTE: Installation of the shade must be done after the playground has been installed, and concrete has cured approximately 48 hours. (Refer to Detail 893 for footing requirements of columns that support shade.)

1. Attach all Glide Extensions onto Rafter Weld Assembly first using Detail 956. Run Glide hook to top position.
2. Attach End Crown Weld Assembly to Column Weld Assembly - 1 Socket using Detail 894.
3. Loosely attach Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.
4. Attach Strut Weld Assembly to Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.
5. Loosely attach adjacent Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.
6. Attach adjacent Strut Weld Assembly to adjacent Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.
7. Insert Ridge Pole into End Crown Weld Assembly using Detail 896. Tape for security.
8. Attach Swing Top Bar Weld Assembly to Column Weld Assembly - 1 Socket using Detail 898.
9. Attach Column Weld Assembly - 2 Socket to other end of Step 8 Swing Top Bar Weld Assembly using Detail 898.
10. Attach Mid Crown Weld Assembly to Column Weld Assembly - 2 Socket using Detail 894 and other end of Step 7 Ridge Pole using Detail 897. Tape for security.
11. Loosely attach Rafter Weld Assembly to Mid Crown Weld Assembly using Detail 897. Tape for security.
12. Attach Strut Weld Assembly to Rafter Weld Assembly and Mid Crown Weld Assembly using Detail 895.
13. Loosely attach opposite side Rafter Weld Assembly to Mid Crown Weld Assembly using Detail 897. Tape for security.
14. Attach opposite side Strut Weld Assembly to opposite side Rafter Weld Assembly and Mid Crown Weld Assembly using Detail 895.
15. Insert Ridge Pole into Mid Crown Weld Assembly using Detail 897. Tape for security.
16. Attach Swing Top Bar Weld Assembly to Column Weld Assembly - 2 Socket using Detail 898.
17. Attach Column Weld Assembly - 2 Socket to other end of Step 16 Swing Top Bar Weld Assembly using Detail 898.
18. Attach Mid Crown Weld Assembly to Column Weld Assembly - 2 Socket using Detail 894 and other end of Step 15 Ridge Pole using Detail 897. Tape for security.
19. Loosely attach Rafter Weld Assembly to Mid Crown Weld Assembly using Detail 897. Tape for security.
20. Attach Strut Weld Assembly to Rafter Weld Assembly and Mid Crown Weld Assembly using Detail 895.
21. Loosely attach opposite side Rafter Weld Assembly to Mid Crown Weld Assembly using Detail 897. Tape for security.

65224 SHADED SWING 3 BAY

22. Attach opposite side Strut Weld Assembly to opposite side Rafter Weld Assembly and Mid Crown Weld Assembly using Detail 895.

23. Insert Ridge Pole into Mid Crown Weld Assembly using Detail 897. Tape for security.

24. Attach Swing Top Bar Weld Assembly to Column Weld Assembly - 2 Socket using Detail 898.

25. Attach Column Weld Assembly - 1 Socket to other end of Step 24 Swing Top Bar Weld Assembly using Detail 898.

26. Attach End Crown Weld Assembly to Column Weld Assembly - 1 Socket using Detail 894 and other end of Step 23 Ridge Pole using Detail 896. Tape for security.

27. Loosely attach Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.

28. Attach Strut Weld Assembly to Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.

29. Loosely attach adjacent Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.

30. Attach adjacent Strut Weld Assembly to adjacent Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.

31. Remove tape and secure all overhead Rafter Weld Assemblies and Ridge Poles with Self Tapping Screws per Detail 896 and 897.

32. Pour concrete footings and taper away from posts for water drainage. Allow to cure at least 48 hours. Temporary bracing may be required until concrete cures.

33. Identify the top of the fabric. The logo will be on the bottom.

34. Starting at any corner (Detail 958) thread the steel cable through the jump-out hole under loop at the edge of the shade fabric until it comes out the end of the sleeve at the next corner. Continue threading cable through sleeve all the way around the shade fabric until the entire shade fabric has been encircled. Cable will exit through jump-out hole on same corner it was started. Leave a loop of approximately 9 inches at each non-tensioning corner.

35. Spread the shade fabric over the frame securing two opposite corners to the Glide Extension Hook. **NOTE:** The Steel Cable must always pass under the Glide Extension Hook.

36. It may be necessary to flap the loose corners up and down to stretch the shade fabric so that it fits over the Glide Extension Hook.

37. Plumb and level the entire assembly and tighten all fasteners.

IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

38. 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.

IMPORTANT! Fabric and Glide Drive with Glide Hook must be removed if Live Load/Roof Snow Load is expected to exceed 5 PSF and/or the basic wind speed is expected to exceed 90 mph in 3 sec. gusts, or 76 mph sustained wind loads (Hurricane Catagory 1).

** Glide Drive Removal **

1. At each Glide Extension, Remove cover plate, 3/8" x 7/8" flat washer, and 3/8" x 3/4" Allen button head screw. See Detail 957.

2. Rotate drive hex until hook is in full back position. See Detail 957. Repeat for all Glide Extension.

3. Remove Fabric, Cable, and cable clamps.

4. At each Glide Extension, Remove both 5/16" x 5/8" Allen button head bolts. Slide out guide drive with glide hook. See Detail 1058. Repeat for all Glide Extension. Store Fabric and all items for reuse.

65225 SHADED SWING 4 BAY

INSTALLATION INSTRUCTIONS FOR 65225:

NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.

NOTE: Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

NOTE: Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

NOTE: Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

NOTE: Assembly and leveling time will be greatly reduced if a transit is used to set location and depth of ground holes.

NOTE: Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

NOTE: Installation of the shade must be done after the playground has been installed, and concrete has cured approximately 48 hours. (Refer to Detail 893 for footing requirements of columns that support shade.)

1. Attach all Glide Extensions onto Rafter Weld Assemblies first using Detail 956. Run Glide hook to top position.
2. Attach End Crown Weld Assembly to Column Weld Assembly - 1 Socket using Detail 894.
3. Loosely attach Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.
4. Attach Strut Weld Assembly to Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.
5. Loosely attach adjacent Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.
6. Attach adjacent Strut Weld Assembly to adjacent Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.
7. Insert Ridge Pole into End Crown Weld Assembly using Detail 896. Tape for security.
8. Attach Swing Top Bar Weld Assembly to Column Weld Assembly - 1 Socket using Detail 898.
9. Attach Column Weld Assembly - 2 Socket to other end of Step 8 Swing Top Bar Weld Assembly using Detail 898.
10. Attach Mid Crown Weld Assembly to Column Weld Assembly - 2 Socket using Detail 894 and other end of Step 7 Ridge Pole using Detail 897. Tape for security.
11. Loosely attach Rafter Weld Assembly to Mid Crown Weld Assembly using Detail 897. Tape for security.
12. Attach Strut Weld Assembly to Rafter Weld Assembly and Mid Crown Weld Assembly using Detail 895.
13. Loosely attach opposite side Rafter Weld Assembly to Mid Crown Weld Assembly using Detail 897. Tape for security.
14. Attach opposite side Strut Weld Assembly to opposite side Rafter Weld Assembly and Mid Crown Weld Assembly using Detail 895.
15. Insert Ridge Pole into Mid Crown Weld Assembly using Detail 897. Tape for security.
16. Attach Swing Top Bar Weld Assembly to Column Weld Assembly - 2 Socket using Detail 898.
17. Attach Column Weld Assembly - 2 Socket to other end of Step 16 Swing Top Bar Weld Assembly using Detail 898.
18. Attach Mid Crown Weld Assembly to Column Weld Assembly - 2 Socket using Detail 894 and other end of Step 15 Ridge Pole using Detail 897. Tape for security.
19. Loosely attach Rafter Weld Assembly to Mid Crown Weld Assembly using Detail 897. Tape for security.
20. Attach Strut Weld Assembly to Rafter Weld Assembly and Mid Crown Weld Assembly using Detail 895.
21. Loosely attach opposite side Rafter Weld Assembly to Mid Crown Weld Assembly using Detail 897. Tape for security.

65225 SHADED SWING 4 BAY

22. Attach opposite side Strut Weld Assembly to opposite side Rafter Weld Assembly and Mid Crown Weld Assembly using Detail 895.

23. Insert Ridge Pole into Mid Crown Weld Assembly using Detail 897. Tape for security.

24. Attach Swing Top Bar Weld Assembly to Column Weld Assembly - 2 Socket using Detail 898.

25. Attach Column Weld Assembly - 2 Socket to other end of Step 24 Swing Top Bar Weld Assembly using Detail 898.

26. Attach Mid Crown Weld Assembly to Column Weld Assembly - 2 Socket using Detail 894 and other end of Step 23 Ridge Pole using Detail 897. Tape for security.

27. Loosely attach Rafter Weld Assembly to Mid Crown Weld Assembly using Detail 897. Tape for security.

28. Attach Strut Weld Assembly to Rafter Weld Assembly and Mid Crown Weld Assembly using Detail 895.

29. Loosely attach opposite side Rafter Weld Assembly to Mid Crown Weld Assembly using Detail 897. Tape for security.

30. Attach opposite side Strut Weld Assembly to opposite side Rafter Weld Assembly and Mid Crown Weld Assembly using Detail 895.

31. Insert Ridge Pole into Mid Crown Weld Assembly using Detail 897. Tape for security.

32. Attach Swing Top Bar Weld Assembly to Column Weld Assembly - 2 Socket using Detail 898.

33. Attach Column Weld Assembly - 1 Socket to other end of Step 32 Swing Top Bar Weld Assembly using Detail 898.

34. Attach End Crown Weld Assembly to Column Weld Assembly - 1 Socket using Detail 894 and other end of Step 31 Ridge Pole using Detail 896. Tape for security.

35. Loosely attach Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.

36. Attach Strut Weld Assembly to Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.

37. Loosely attach adjacent Rafter Weld Assembly to End Crown Weld Assembly using Detail 896. Tape for security.

38. Attach adjacent Strut Weld Assembly to adjacent Rafter Weld Assembly and End Crown Weld Assembly using Detail 895.

39. Remove tape and secure all overhead Rafter Weld Assemblies and Ridge Poles with Self Tapping Screws per Detail 896 and 897.

40. Pour concrete footings and taper away from posts for water drainage. Allow to cure at least 48 hours. Temporary bracing may be required until concrete cures.

41. Identify the top of the fabric. The logo will be on the bottom.

42. Starting at any corner (Detail 958) thread the steel cable through the jump-out hole under loop at the edge of the shade fabric until it comes out the end of the sleeve at the next corner. Continue threading cable through sleeve all the way around the shade fabric until the entire shade fabric has been encircled. Cable will exit through jump-out hole on same corner it was started. Leave a loop of approximately 9 inches at each non-tensioning corner.

43. Spread the shade fabric over the frame securing two opposite corners to the Glide Extension Hook. **NOTE:** The Steel Cable must always pass under the Glide Extension Hook.

44. It may be necessary to flap the loose corners up and down to stretch the shade fabric so that it fits over the Glide Extension Hook.

45. Plumb and level the entire assembly and tighten all fasteners.

IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

46. 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.

65225 SHADED SWING 4 BAY

IMPORTANT! Fabric and Glide Drive with Glide Hook must be removed if Live Load/Roof Snow Load is expected to exceed 5 PSF and/or the basic wind speed is expected to exceed 90 mph in 3 sec. gusts, or 76 mph sustained wind loads (Hurricane Catagory 1).

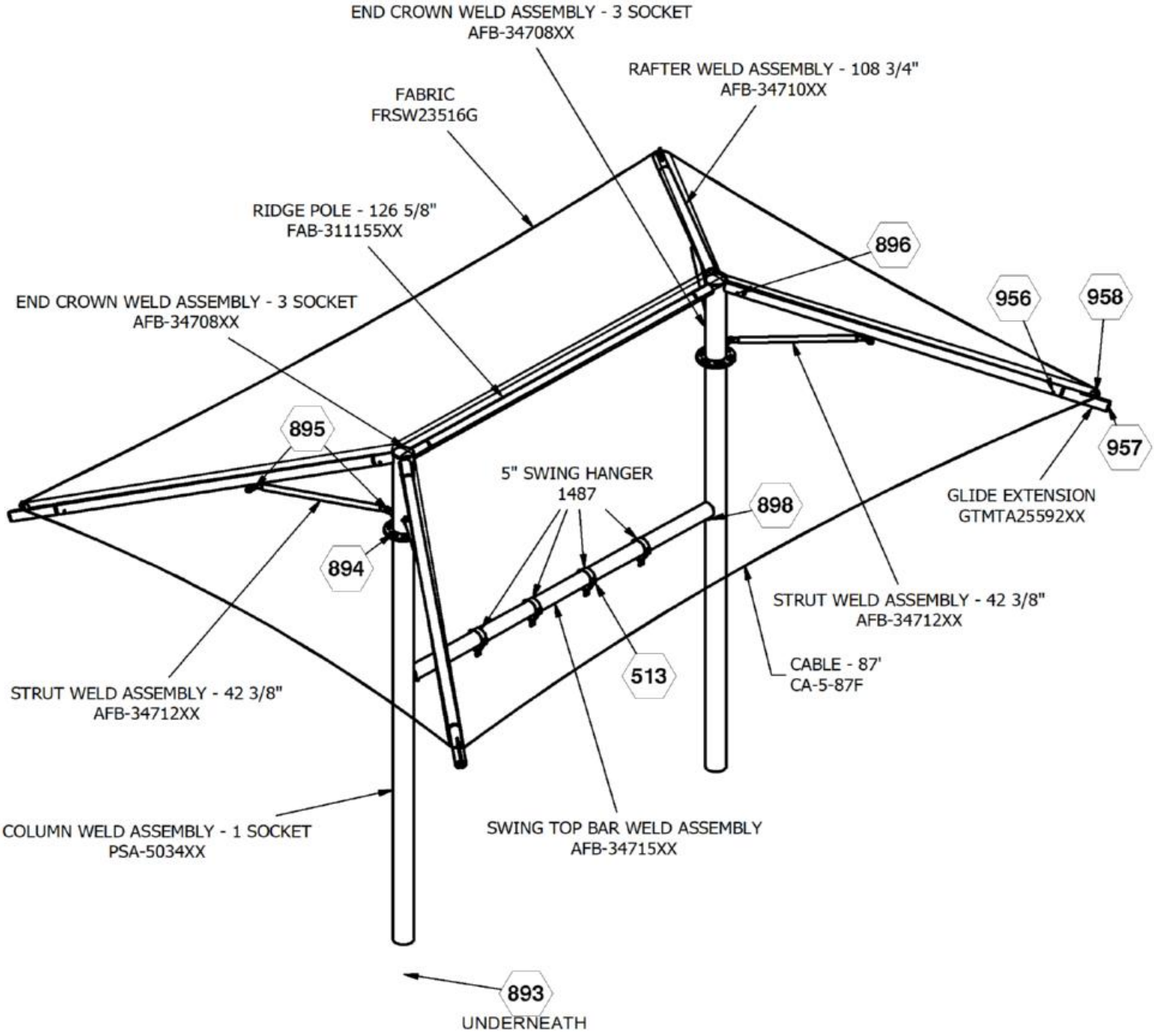
** Glide Drive Removal **

1. At each Glide Extension, Remove cover plate, 3/8" x 7/8" flat washer, and 3/8" x 3/4" Allen button head screw. See Detail 957.
2. Rotate drive hex until hook is in full back position. See Detail 957. Repeat for all Glide Extension.
3. Remove Fabric, Cable, and cable clamps.
4. At each Glide Extension, Remove both 5/16" x 5/8" Allen button head bolts. Slide out guide drive with glide hook. See Detail 1058. Repeat for all Glide Extension. Store Fabric and all items for reuse.

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 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.

65222 SHADED SWING 1 BAY

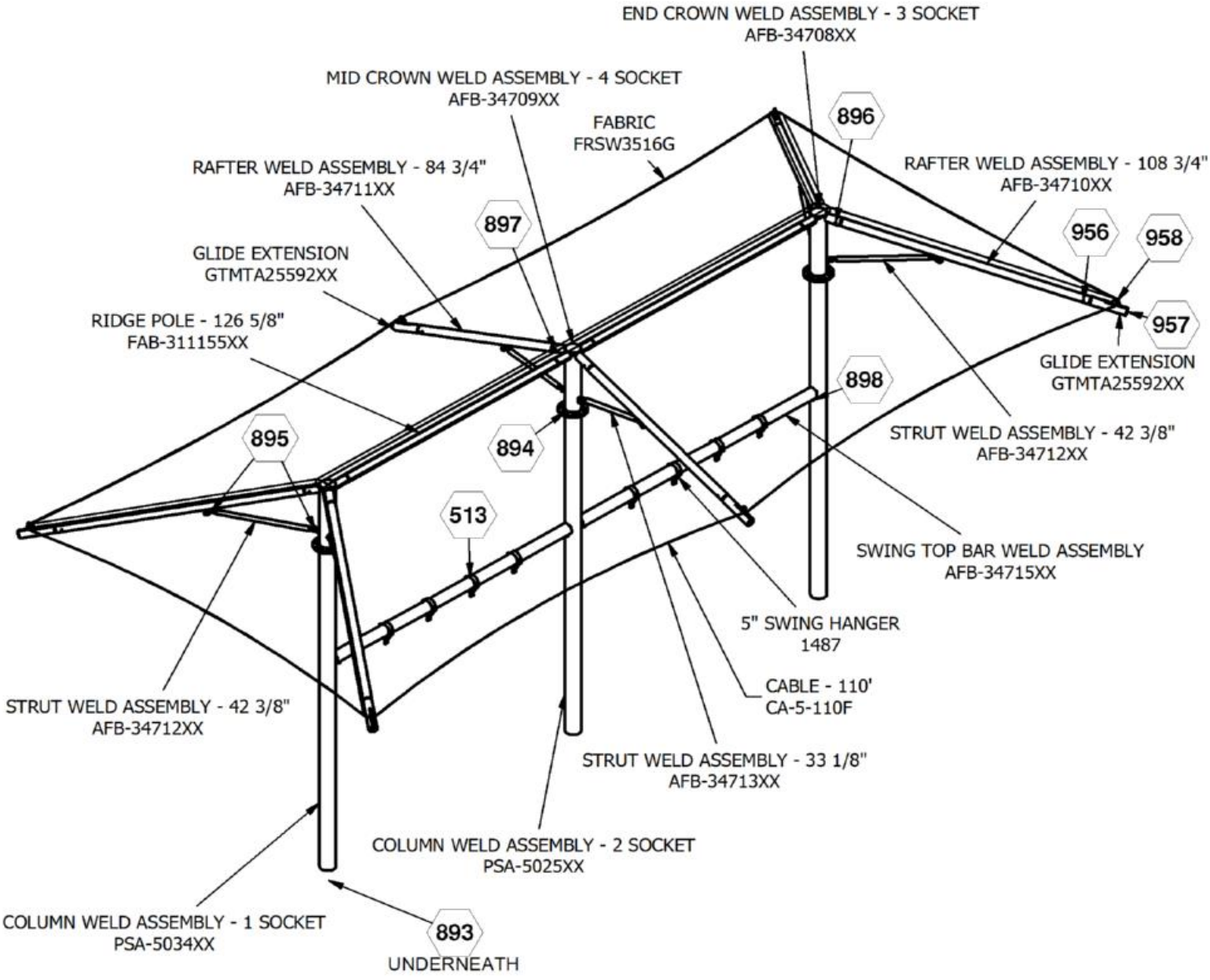


= INSTALLATION DETAIL

Issued/Revised: 10/14/2020

FINISHED ASSEMBLY
65222 SHOWN

65223 SHADED SWING 2 BAY

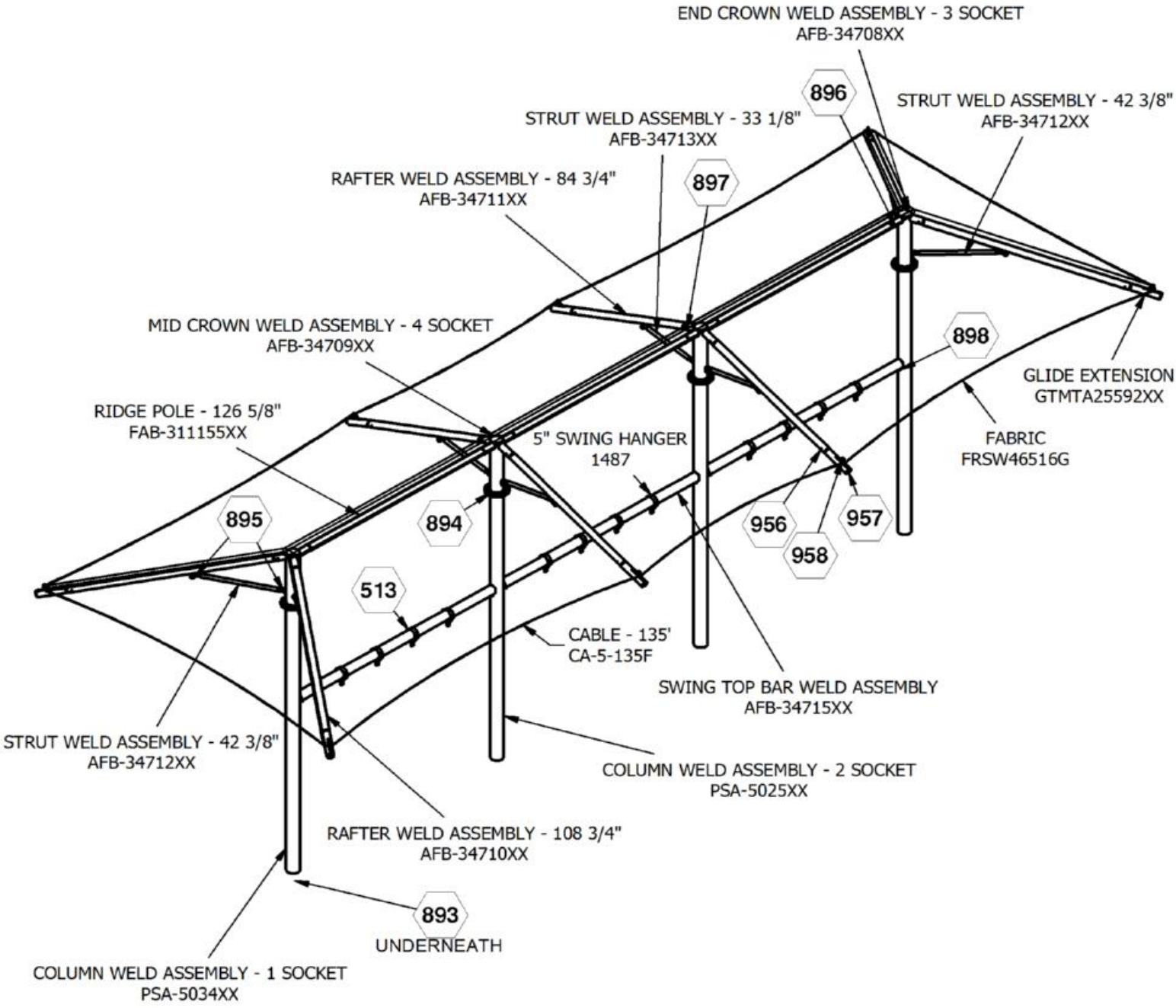


= INSTALLATION DETAIL

Issued/Revised: 10/14/2020

FINISHED ASSEMBLY
65223 SHOWN

65224 SHADED SWING 3 BAY

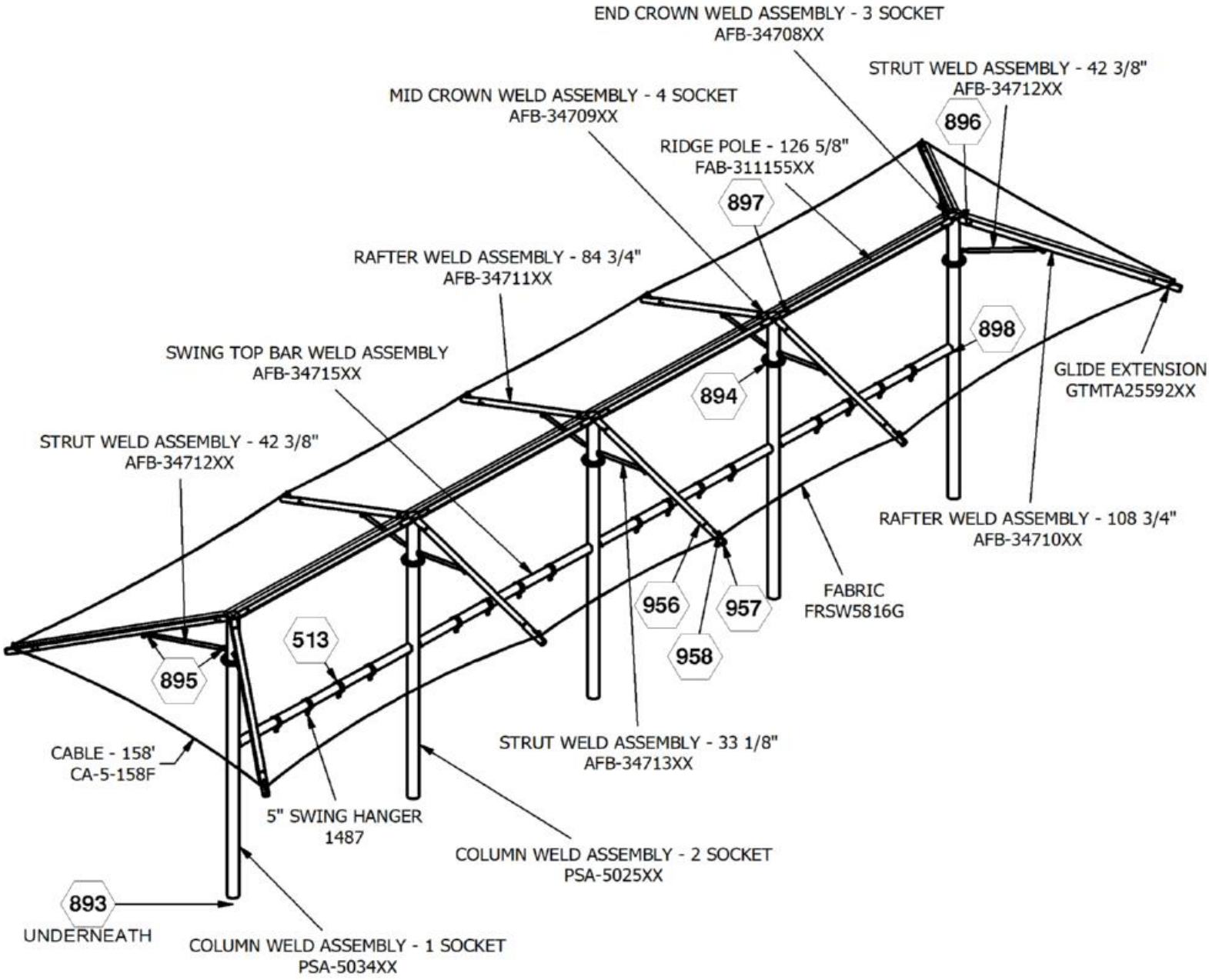


= INSTALLATION DETAIL

Issued/Revised: 10/14/2020

FINISHED ASSEMBLY
65224 SHOWN

65225 SHADED SWING 4 BAY



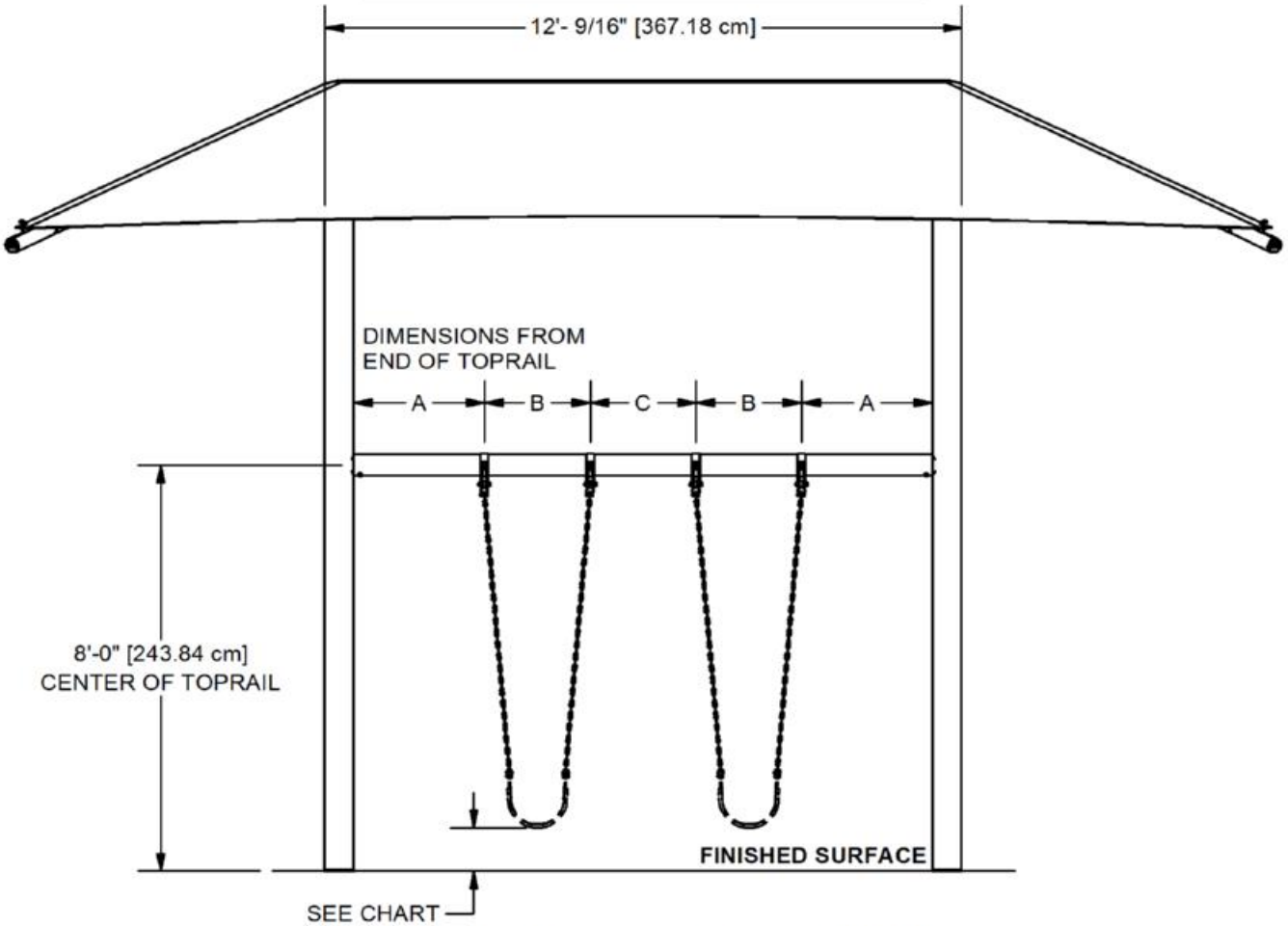
= INSTALLATION DETAIL

Issued/Revised: 10/14/2020

FINISHED ASSEMBLY
65225 SHOWN

65222 SHADED SWING 1 BAY; 65223 SHADED SWING 2 BAY; 65224 SHADED SWING 3 BAY; 65225 SHADED SWING 4 BAY

TOPRAIL DIMENSIONS	
DIM A	2'-5 11/16" [75.41 cm]
DIM B	2'-0" [60.96 cm]
DIM C	2'-0" [60.96 cm]



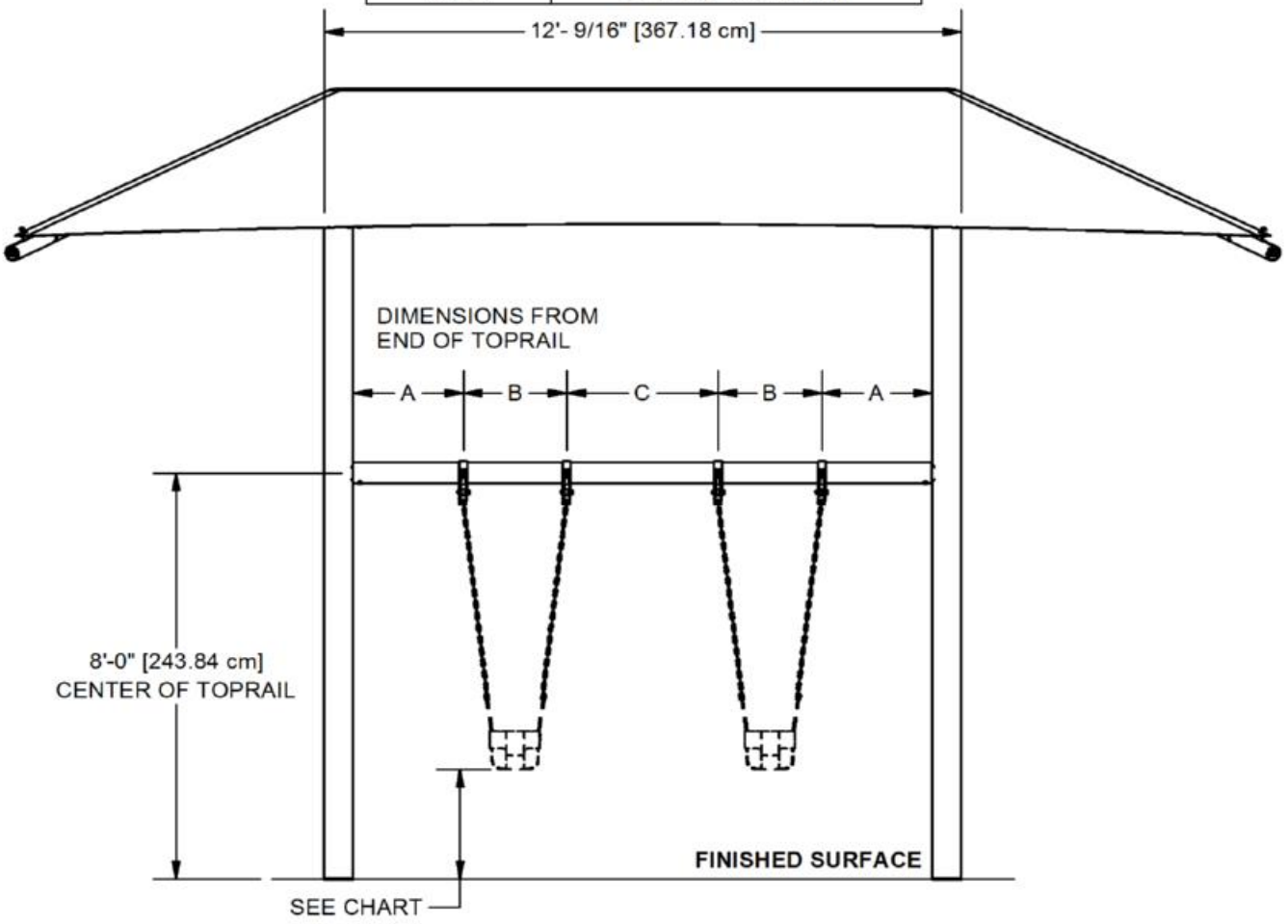
65222 SHOWN (65223, 65224 AND 65225 SIMILAR)
WITH OPTIONAL ENCLOSED TOT
SEAT PACKAGES (NOT INCLUDED)

DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING		
STANDARD	MIN.	MAX.
CANADIAN	BELT SEAT - 300mm [11.81"] ENCLOSED TOT SEAT - 600mm [23.62"]	N/A
ASTM	BELT SEAT - 12" [305mm] ENCLOSED TOT SEAT - 24" [610mm]	N/A
BS EN	350mm [13.77"]	N/A
CPSC	BELT SEAT - 12" [305mm] ENCLOSED TOT SEAT - 24" [610mm]	N/A

MEASURED WHEN OCCUPIED BY MAXIMUM USERS

65222 SHADED SWING 1 BAY; 65223 SHADED SWING 2 BAY; 65224 SHADED SWING 3 BAY; 65225 SHADED SWING 4 BAY

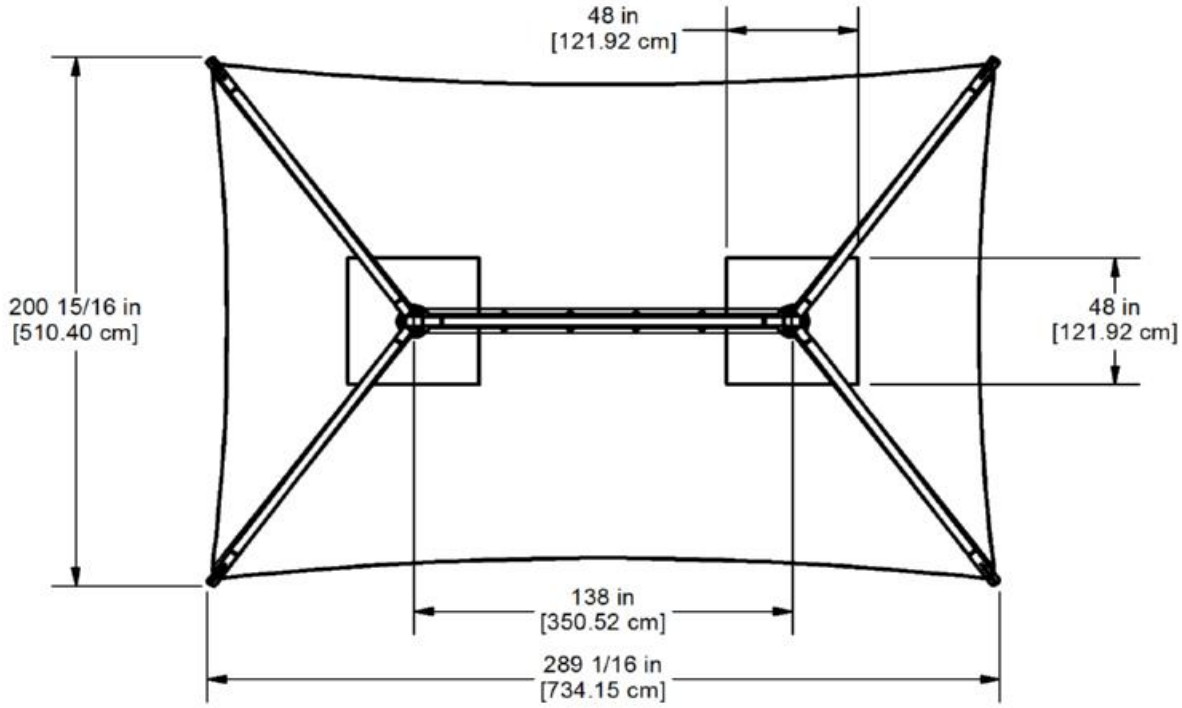
TOPRAIL DIMENSIONS	
DIM A	2'-1" [63.50 cm]
DIM B	1'-11 1/2" [59.69 cm]
DIM C	2'-10 3/8" [87.31 cm]



65222 SHOWN (65223, 65224 AND 65225 SIMILAR)
WITH OPTIONAL ENCLOSED TOT
SEAT PACKAGES (NOT INCLUDED)

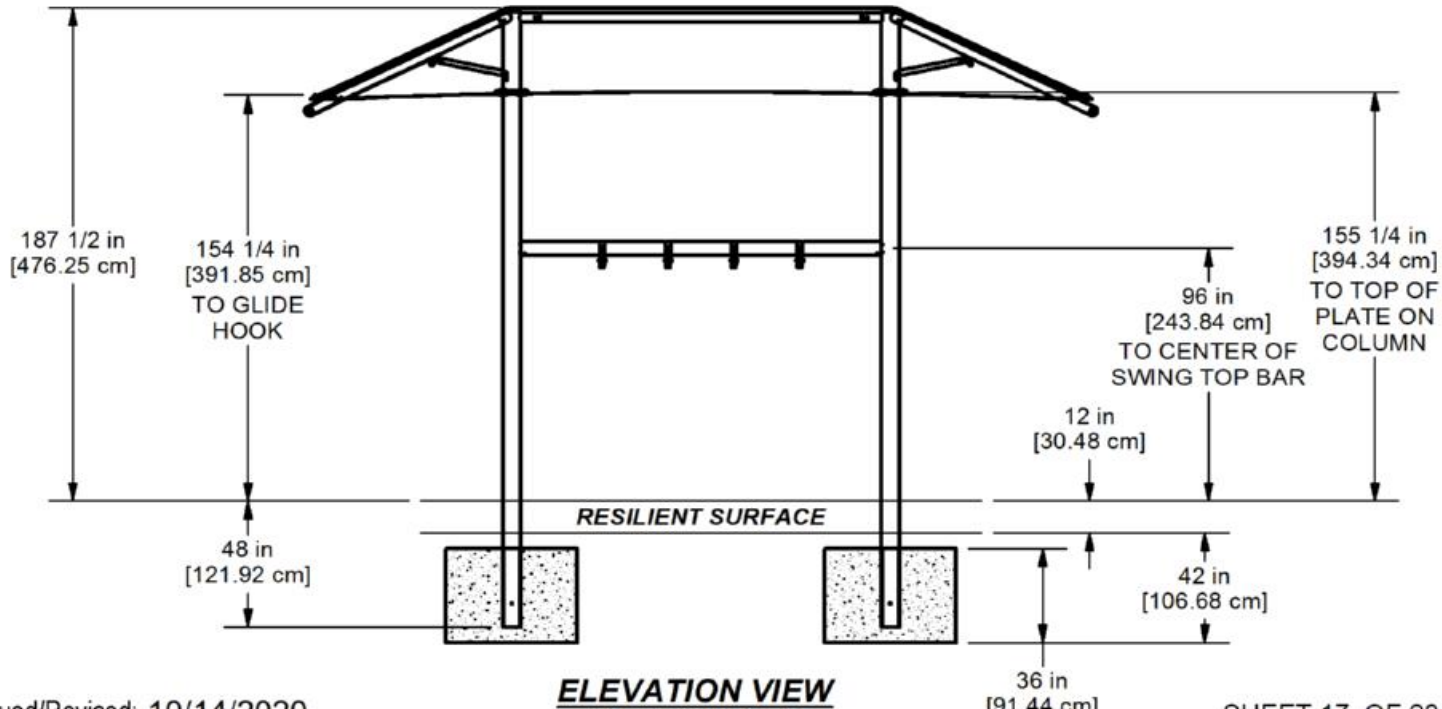
DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING		
STANDARD	MIN.	MAX.
CANADIAN	BELT & NEXGEN SEAT - 300mm [11.81"] ENCLOSED TOT SEAT - 600mm [23.62"]	N/A
ASTM	BELT & NEXGEN SEAT - 12" [305mm] ENCLOSED TOT SEAT - 24" [610mm]	N/A
BS EN	350mm [13.77"]	N/A
CPSC	BELT & NEXGEN SEAT - 12" [305mm] ENCLOSED TOT SEAT - 24" [610mm]	N/A

65222 SHADED SWING 1 BAY



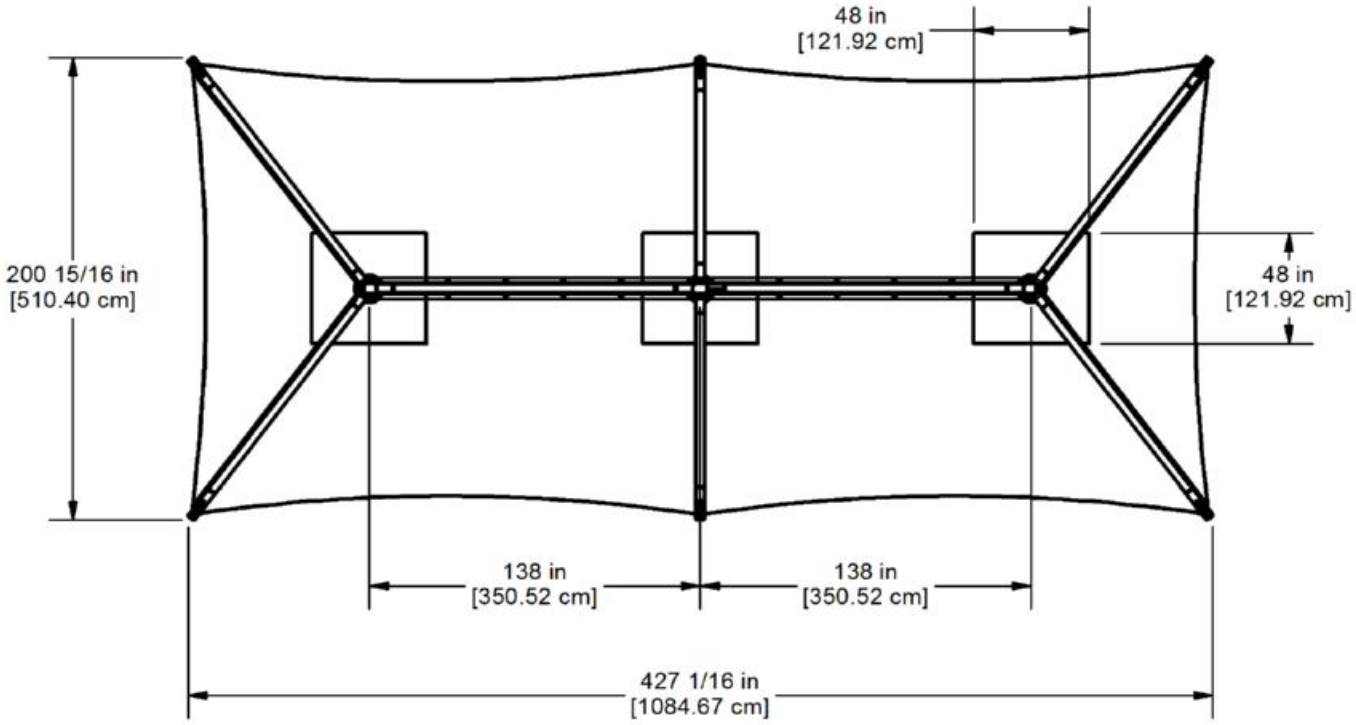
PLAN VIEW

CONCRETE REQUIRED
3.556 CUBIC YARDS
2.720 [CUBIC METERS]



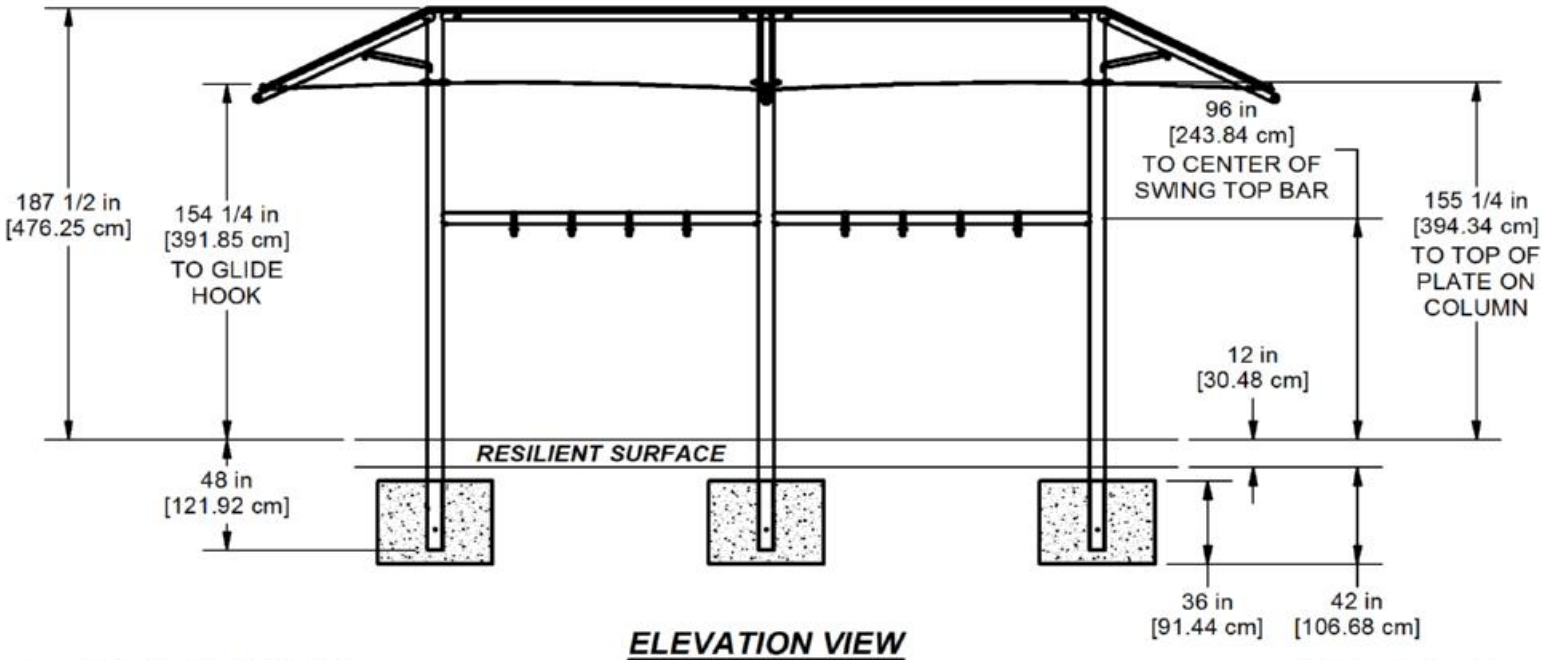
ELEVATION VIEW
65222 SHOWN

65223 SHADED SWING 2 BAY



PLAN VIEW

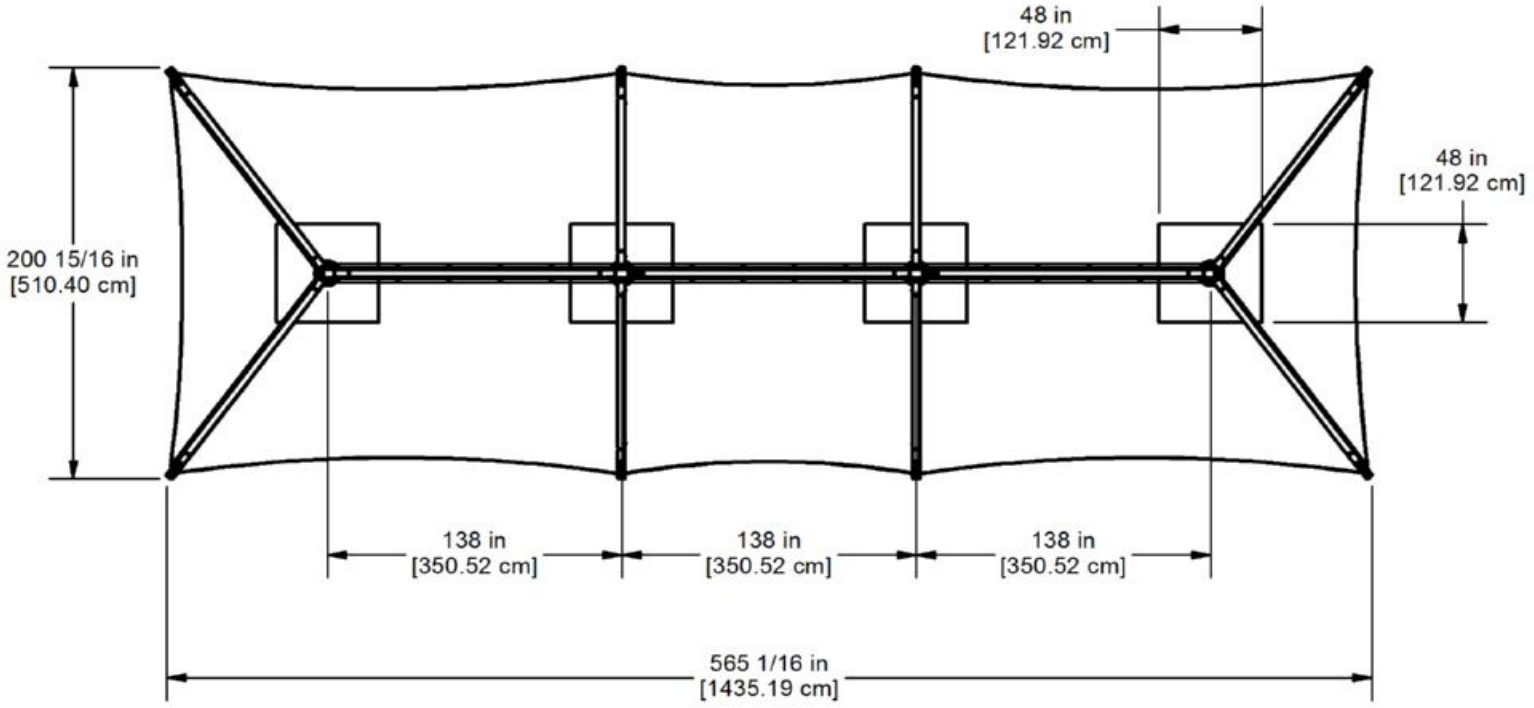
CONCRETE REQUIRED
6.220 CUBIC YARDS
4.760 [CUBIC METERS]



ELEVATION VIEW
65223 SHOWN

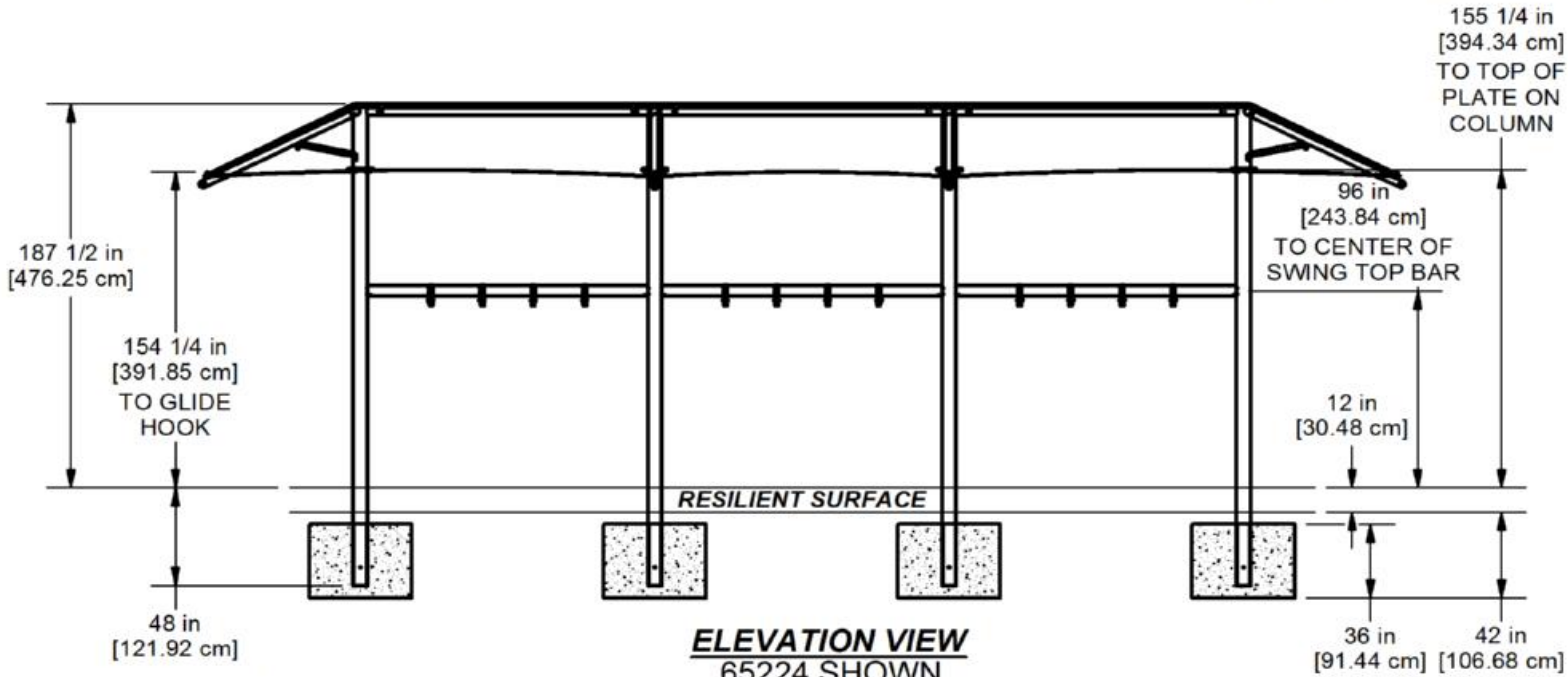
ParkPlay Free Standing

65224 SHADED SWING 3 BAY



PLAN VIEW

CONCRETE REQUIRED
8.300 CUBIC YARDS
6.350 [CUBIC METERS]

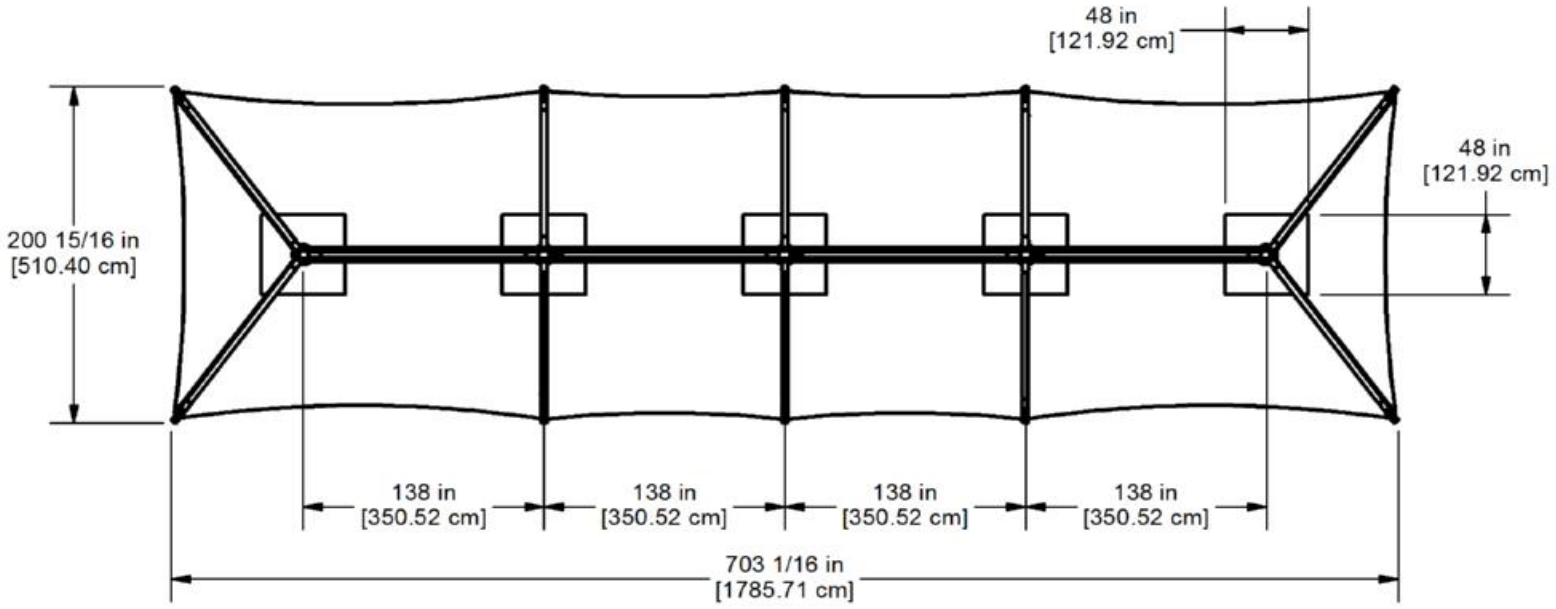


ELEVATION VIEW
65224 SHOWN

Issued/Revised: 10/14/2020

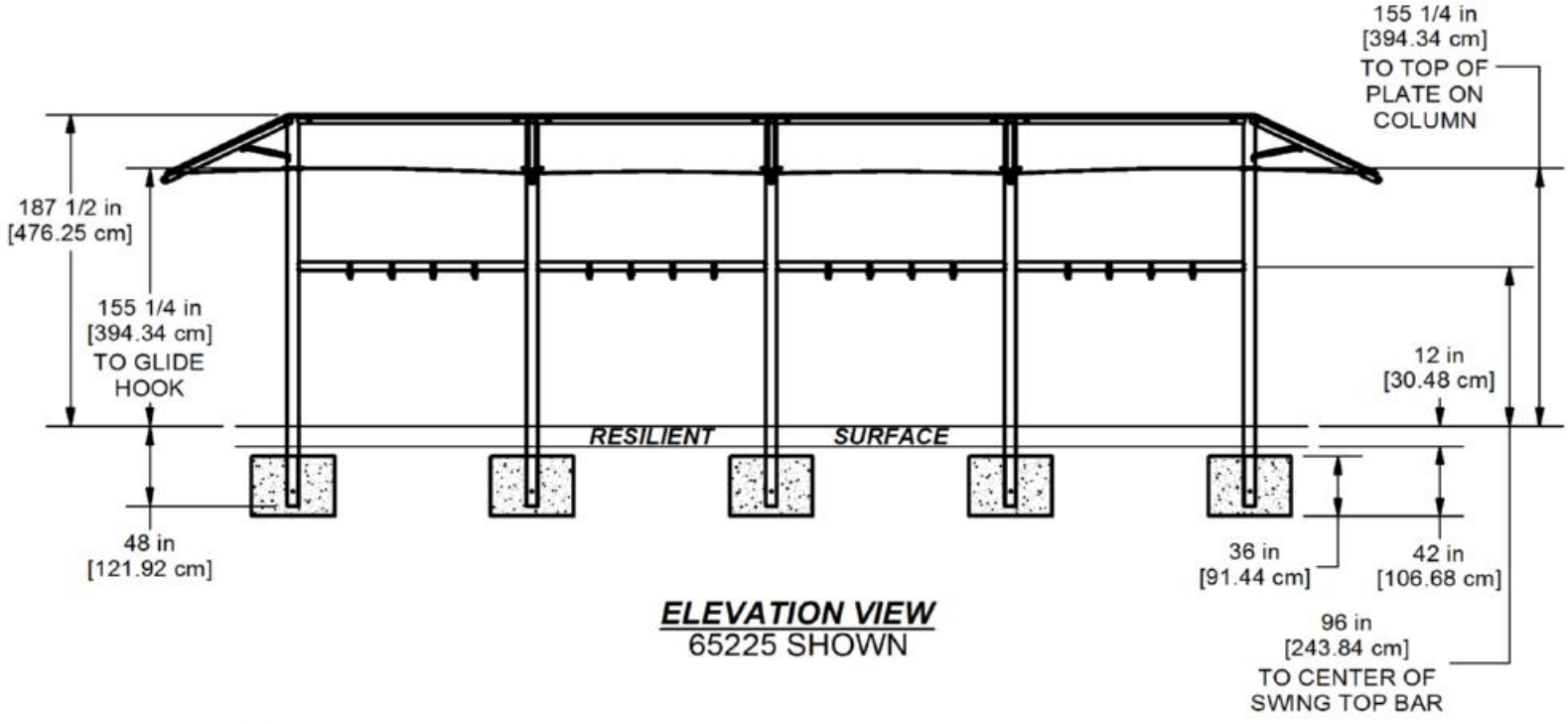
ParkPlay Free Standing

65225 SHADED SWING 4 BAY



PLAN VIEW

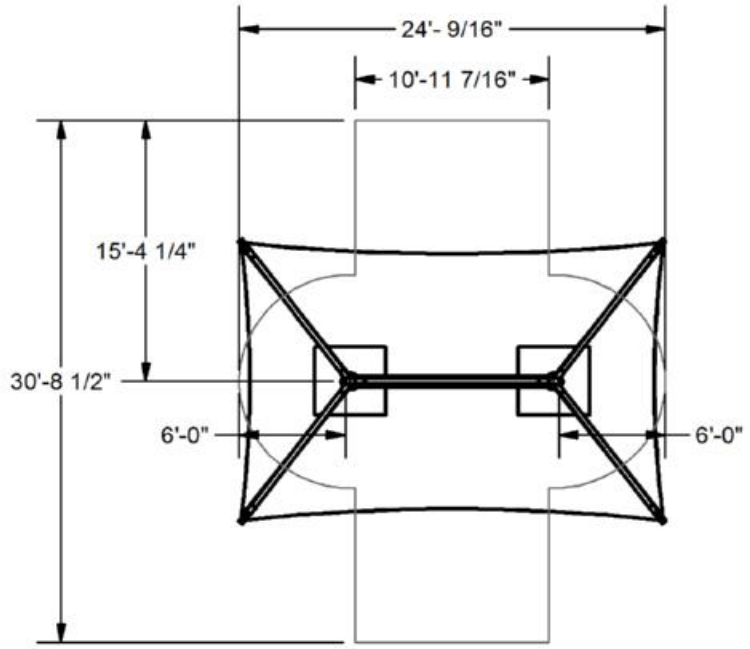
CONCRETE REQUIRED
10.370 CUBIC YARDS
7.940 [CUBIC METERS]



ELEVATION VIEW
65225 SHOWN

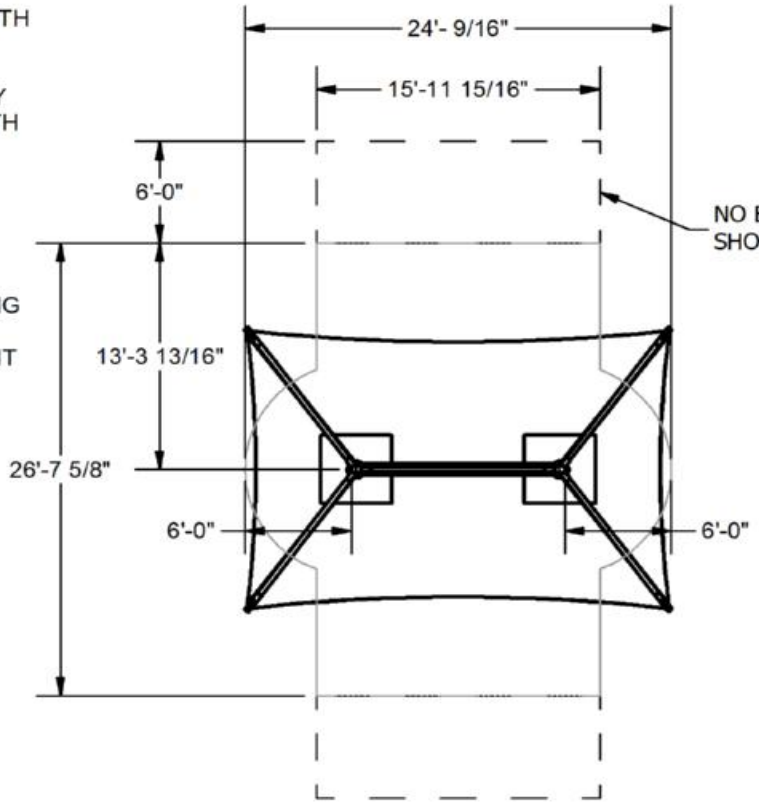
Issued/Revised: 10/14/2020

65222 SHADED SWING 1 BAY USE ZONE



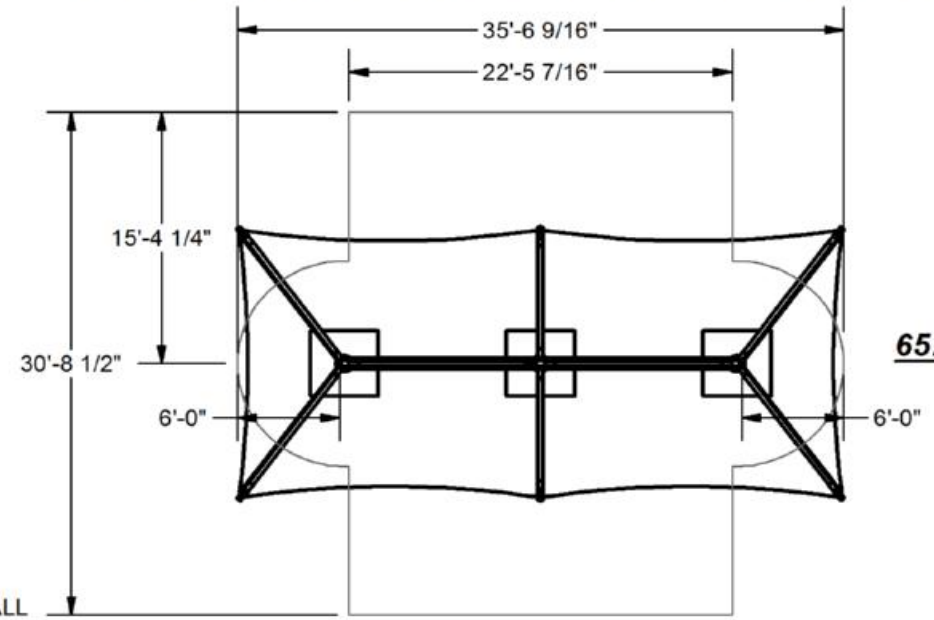
65222 ASTM ZONE

NOTE:
1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITH THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1487 (U.S.) OR CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND THE CSA PROTECTIVE SURFACING ZONE FOR SWING FRAME SHOWN.
3. DASHED LINES REPRESENT CSA *NO ENCROACHMENT ZONE* (CANADA ONLY).



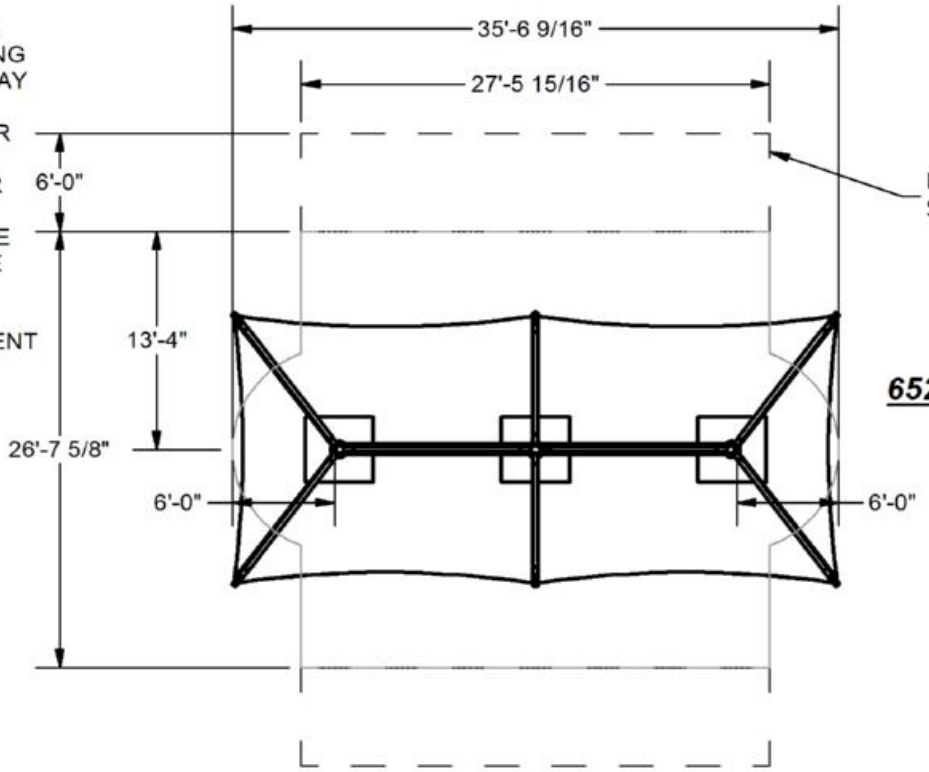
65222 CSA ZONE

65223 SHADED SWING 2 BAY USE ZONE



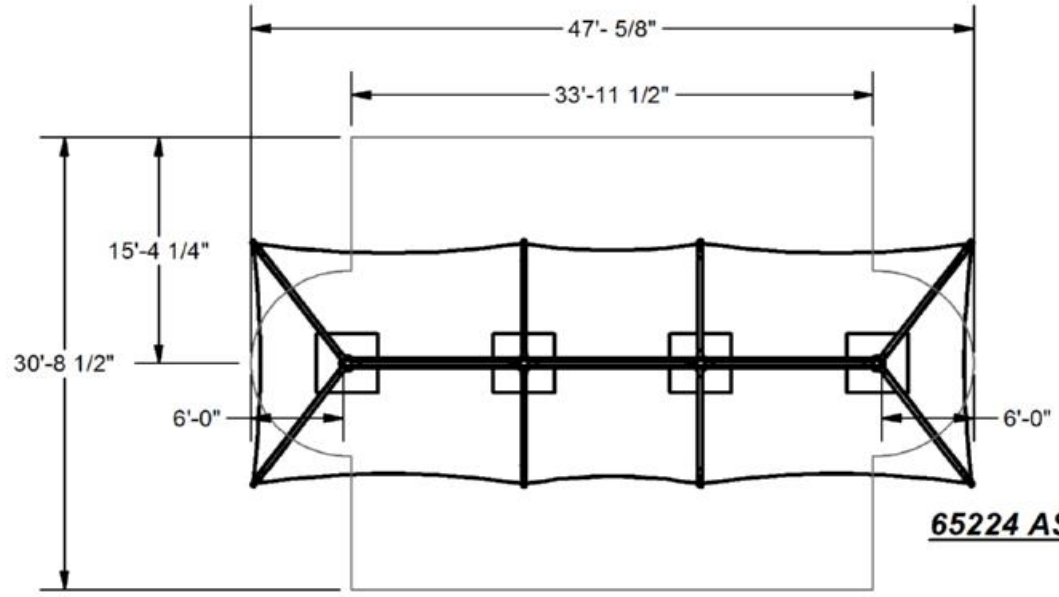
65223 ASTM ZONE

NOTE:
1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITH THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1487 (U.S.) OR CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND THE CSA PROTECTIVE SURFACING ZONE FOR SWING FRAME SHOWN.
3. DASHED LINES REPRESENT CSA *NO ENCROACHMENT ZONE* (CANADA ONLY).



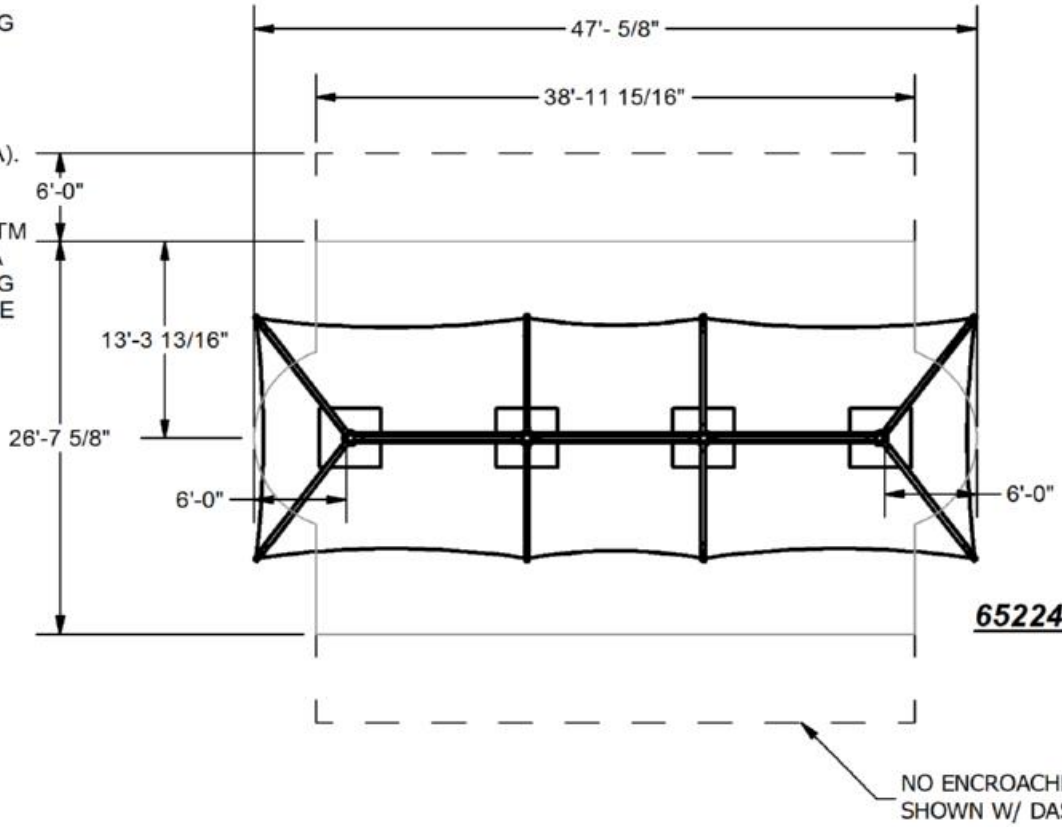
65223 CSA ZONE

65224 SHADED SWING 3 BAY USE ZONE



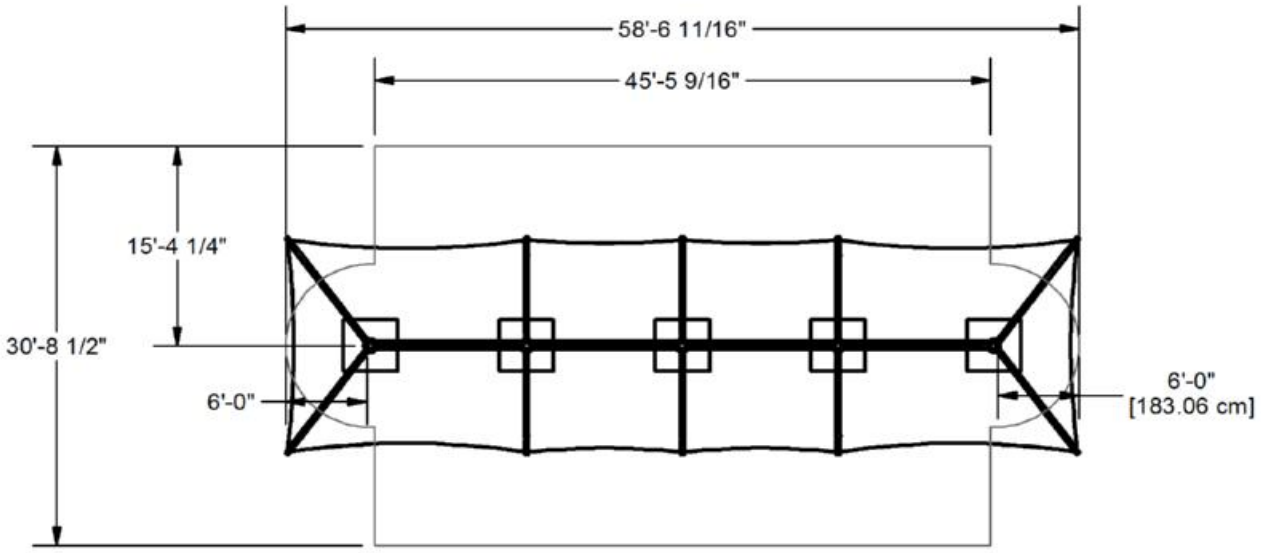
65224 ASTM ZONE

NOTE:
1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITH THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1487 (U.S.) OR CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND THE CSA PROTECTIVE SURFACING ZONE FOR SWING FRAME SHOWN.
3. DASHED LINES REPRESENT CSA *NO ENCROACHMENT ZONE* (CANADA ONLY).



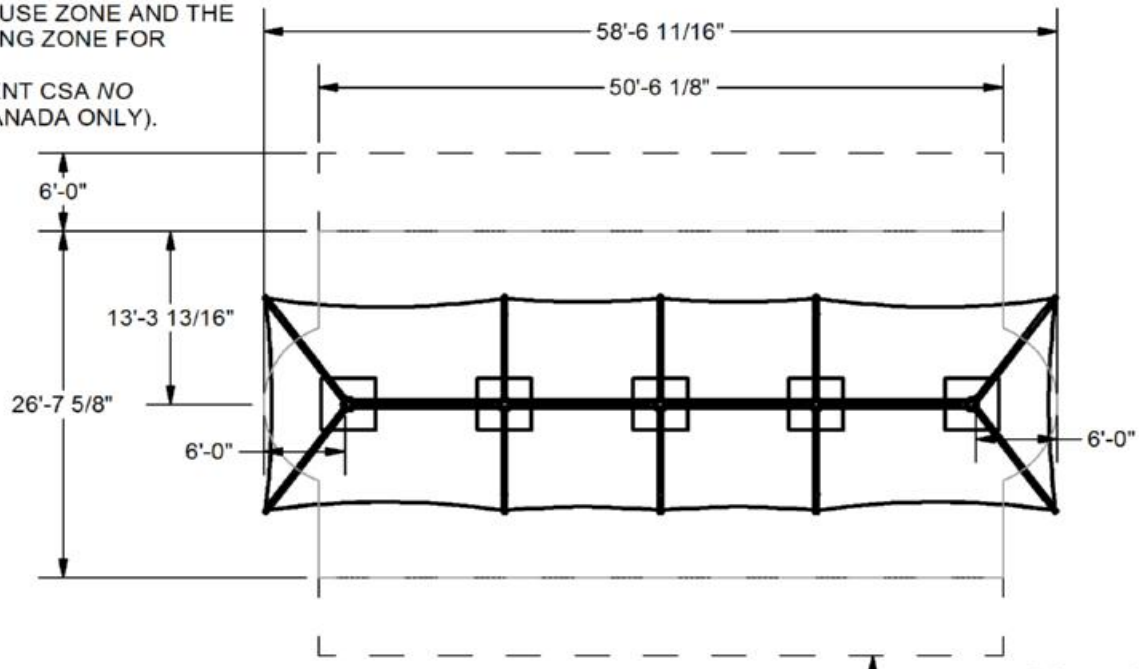
65224 CSA ZONE

65225 SHADED SWING 4 BAY USE ZONE



65225 ASTM ZONE

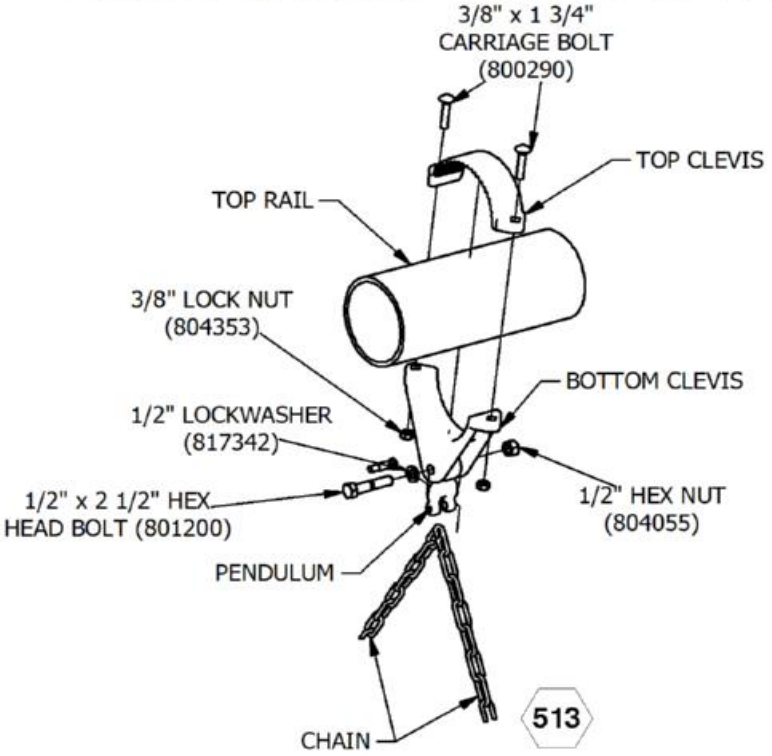
NOTE:
1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITH THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1487 (U.S.) OR CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND THE CSA PROTECTIVE SURFACING ZONE FOR SWING FRAME SHOWN.
3. DASHED LINES REPRESENT CSA *NO ENCROACHMENT ZONE* (CANADA ONLY).



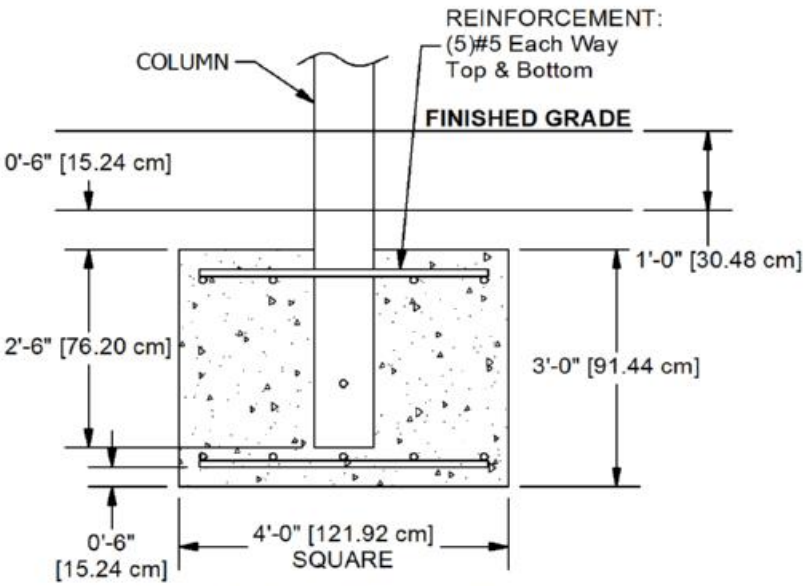
65225 CSA ZONE

NO ENCROACHMENT ZONES SHOWN W/ DASHED LINES

65222 SHADED SWING 1 BAY; 65223 SHADED SWING 2 BAY; 65224 SHADED SWING 3 BAY; 65225 SHADED SWING 4 BAY

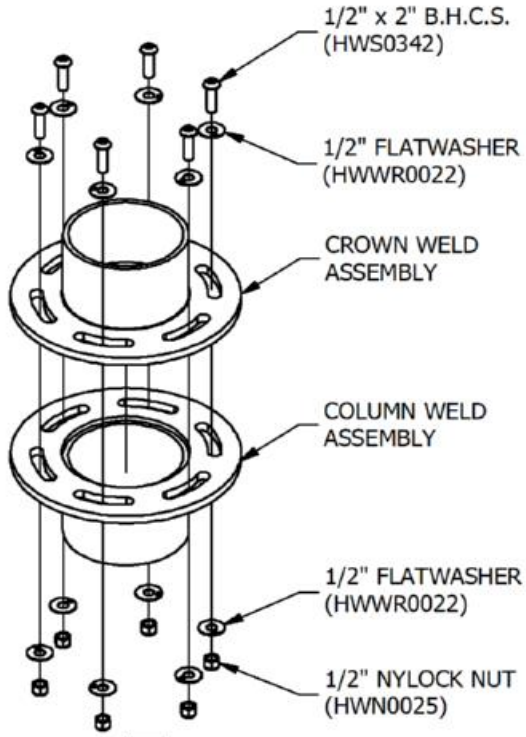


513



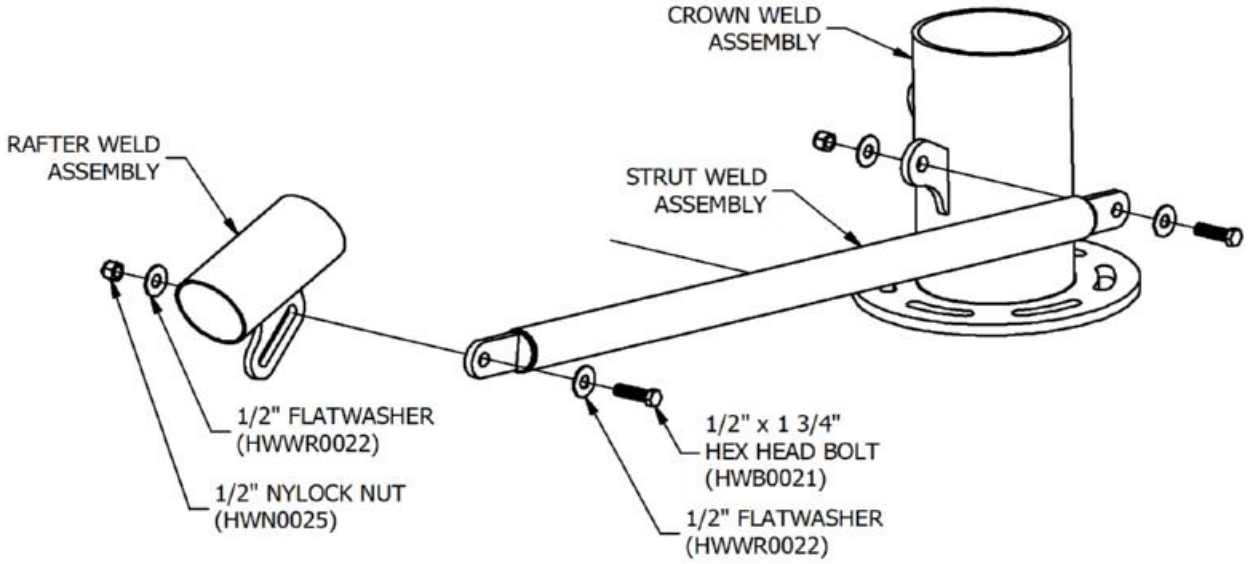
NOTE: HOLES ARE PROVIDED AT THE BASE OF EACH COLUMN FOR ADDITION #5 RODS

893

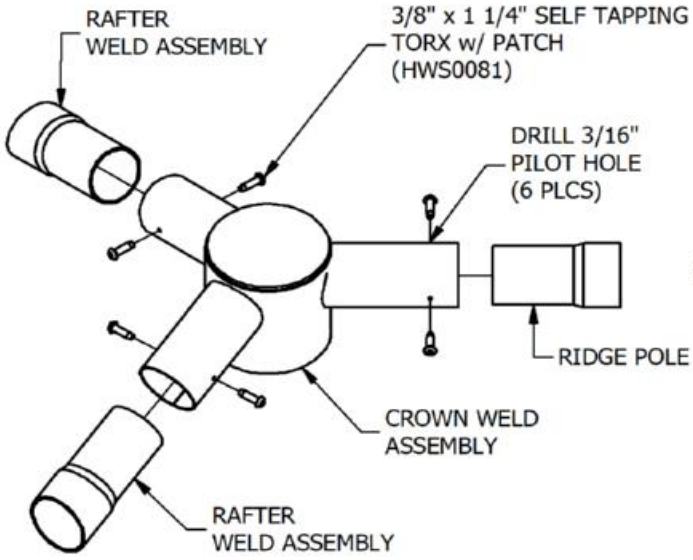


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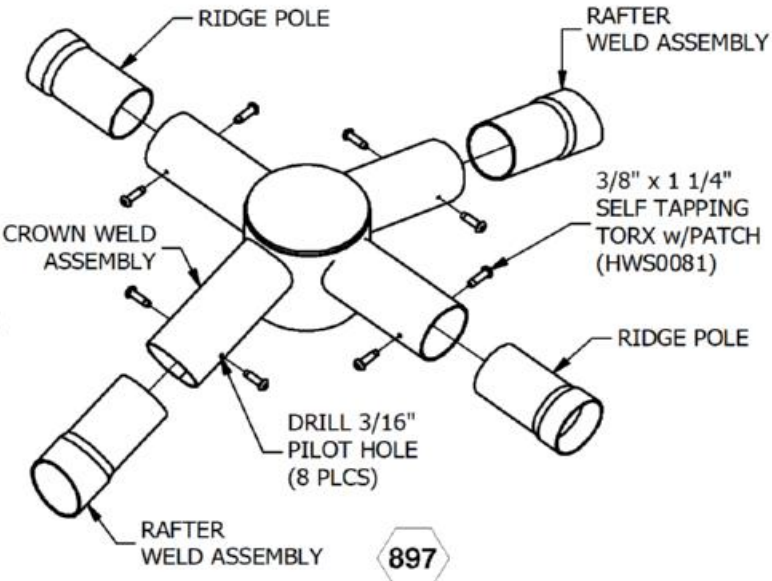
65222 SHADED SWING 1 BAY; 65223 SHADED SWING 2 BAY; 65224 SHADED SWING 3 BAY; 65225 SHADED SWING 4 BAY



895

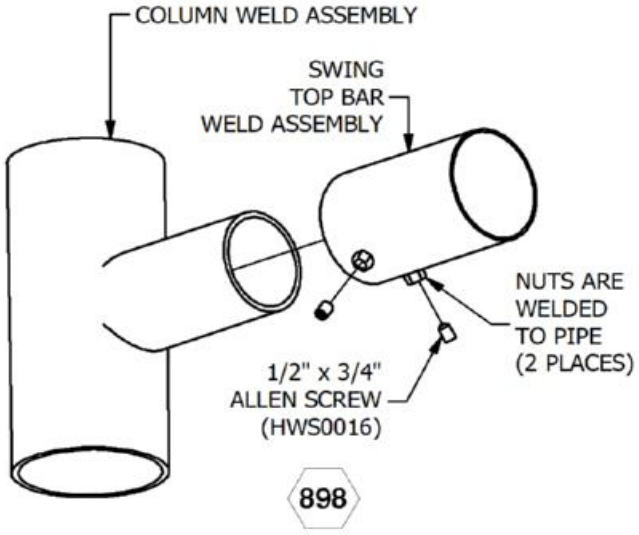


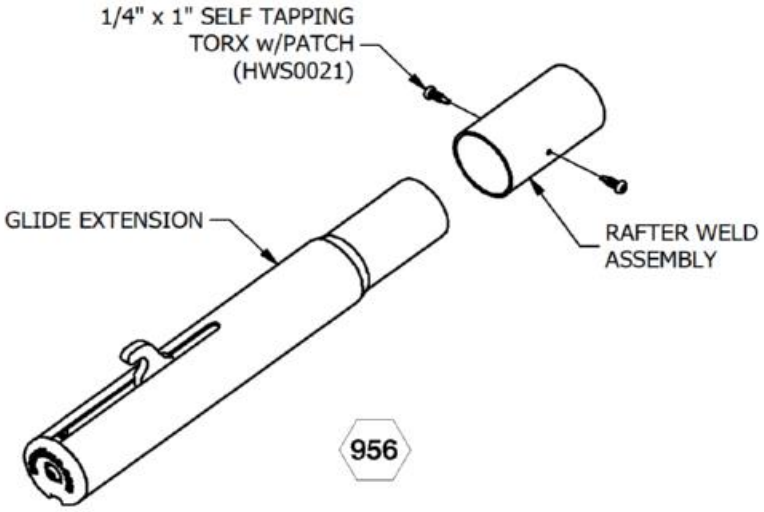
896



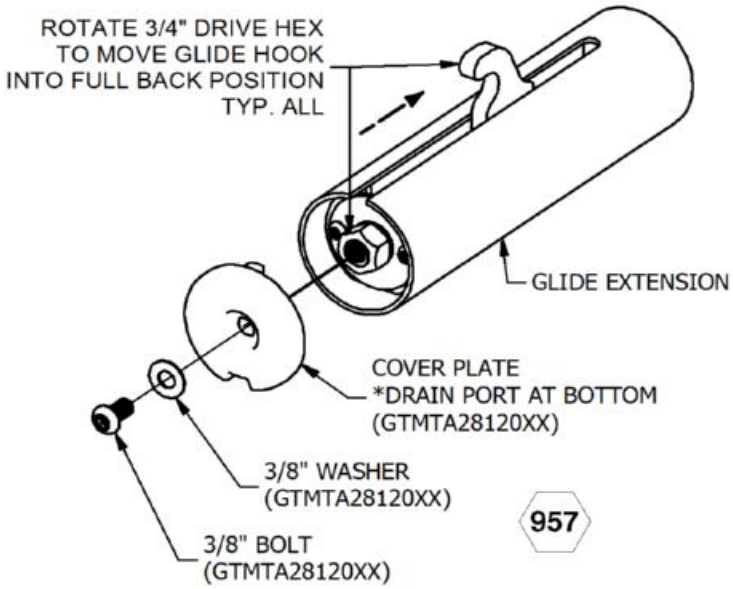
897

65222 SHADED SWING 1 BAY; 65223 SHADED SWING 2 BAY; 65224 SHADED SWING 3 BAY; 65225 SHADED SWING 4 BAY

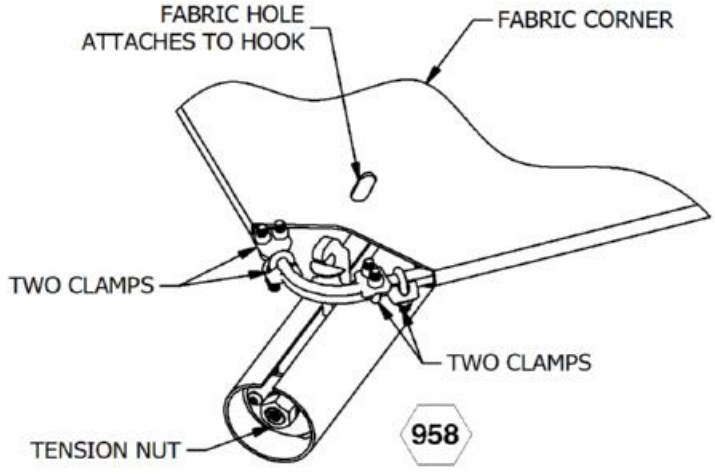




SMALLER GLIDE INSERTS WILL NOT HAVE A CABLE GUIDE ON THE GLIDE HOOK. THE CABLE FOLLOWED BY THE FABRIC HOLE ARE BOTH PLACED OVER THE HOOK.



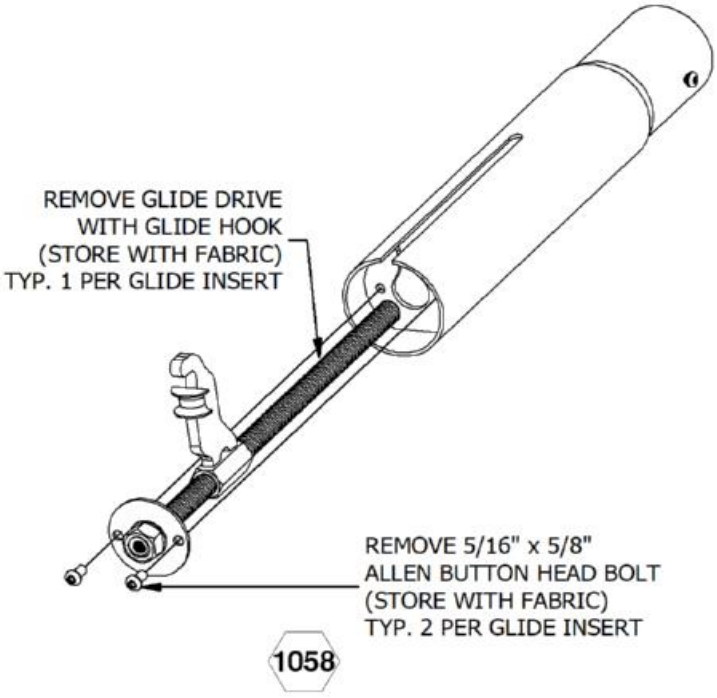
HARDWARE INCLUDED IN GTMTA28120XX GLIDE INSERT



NOTE: ON THREE OF THE FOUR CORNERS THE CABLE WILL LOOP AROUND THE HOOK OR CABLE GUIDE.

ON THE FOURTH CORNER THE CABLE ENDS WILL OVERLAP AROUND THE HOOK OR CABLE GUIDE AND BE SECURED WITH TWO CABLE CLAMPS ON EITHER SIDE. THE FABRIC HOLE IS THEN PULLED OVER HOOK. LOOSE CABLE END ARE TO BE TUCKED BACK INTO FABRIC HEMS.

65222 SHADED SWING 1 BAY; 65223 SHADED SWING 2 BAY; 65224 SHADED SWING 3 BAY; 65225 SHADED SWING 4 BAY



65280 BUTTON STEP 10"; 65281 BUTTON STEP 20"; 65282 BUTTON STEP 30"



65280
65281

Parts List				
DESCRIPTION	65280	65281	65282	PART NUMBER
BUTTON STEP	1	1	1	315509
FOOTBUCK 10"	1	0	0	316196
FOOTBUCK 20"	0	1	0	316200
FOOTBUCK 30"	0	0	1	316203
HARDWARE COMPLETE	1	1	1	316198
3/8" x 1" P.B.H.C.S. w/PATCH	4	4	4	812050
3/8" LOCK WASHER	4	4	4	817334
3/8" FLAT WASHER	4	4	4	817410



65282

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.

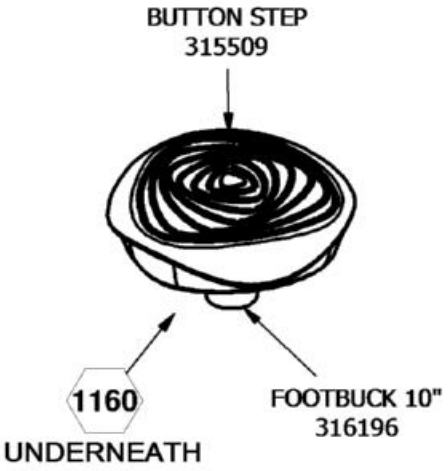
INSTALLATION INSTRUCTIONS:

1. Determine which deck is to receive the Button Step. Refer to order top view.
2. Dig required holes, refer to elevation view and order plan view for correct location and size.
3. Attach Button Step to correct Footbuck. Refer to order parts list. See Detail 1160.
4. Place Footbuck and Button Step assembly into hole.
5. Plumb and level the entire assembly and tighten all fasteners.
6. After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure for at least 48 hours before use. Temporary may be required until concrete cures.

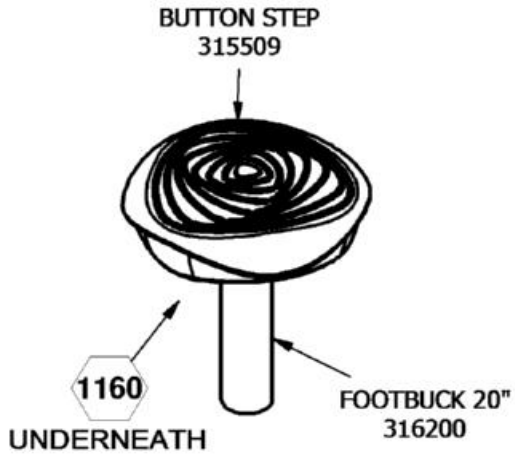
MAINTENANCE PROCEDURE:

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 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.

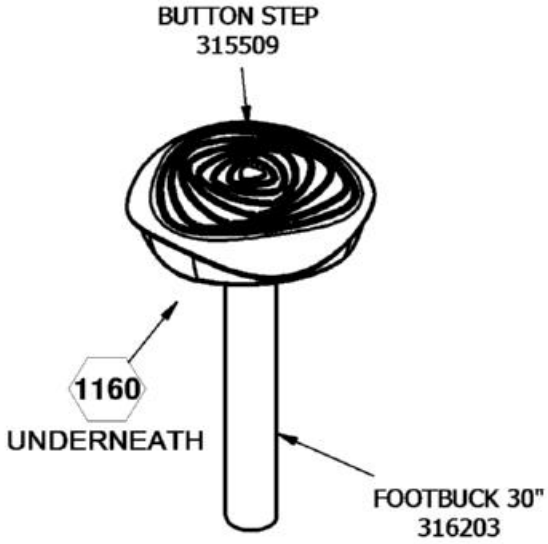
65280 BUTTON STEP 10"; 65281 BUTTON STEP 20"; 65282 BUTTON STEP 30"



65280 SHOWN

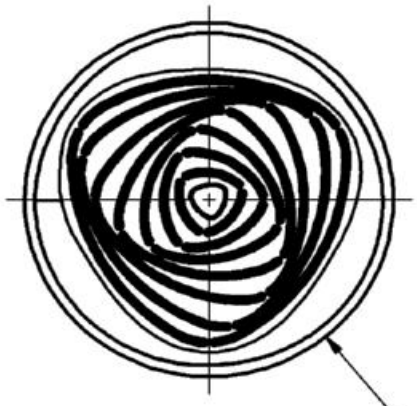


65281 SHOWN



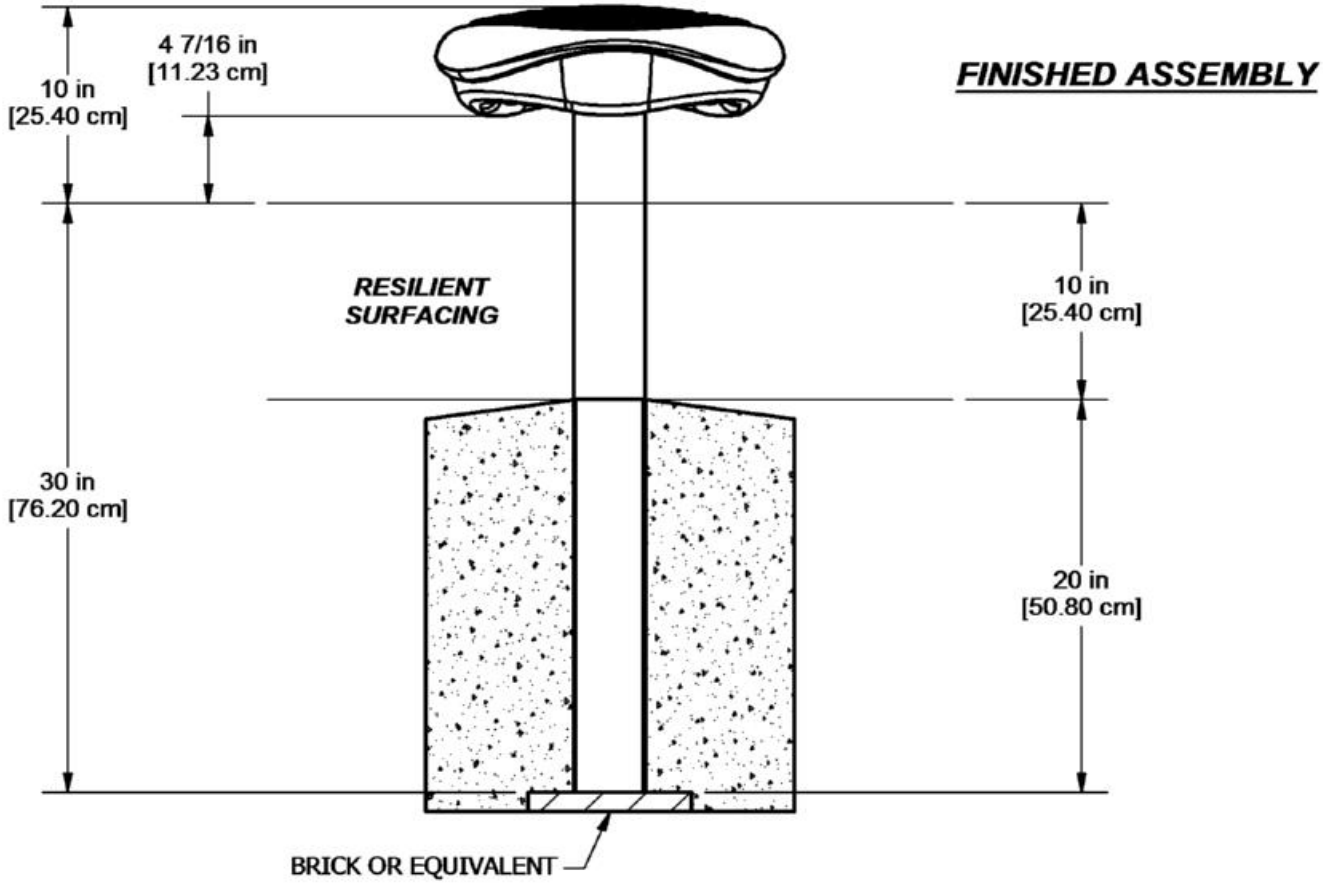
65282 SHOWN

65280 BUTTON STEP 10"



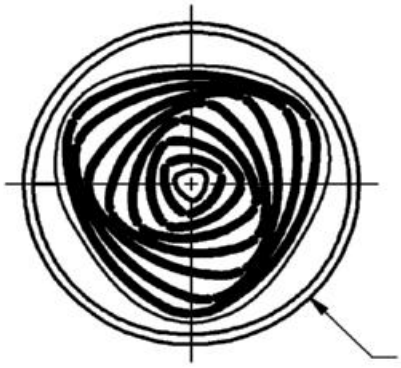
PLAN VIEW

CONCRETE REQUIRED
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



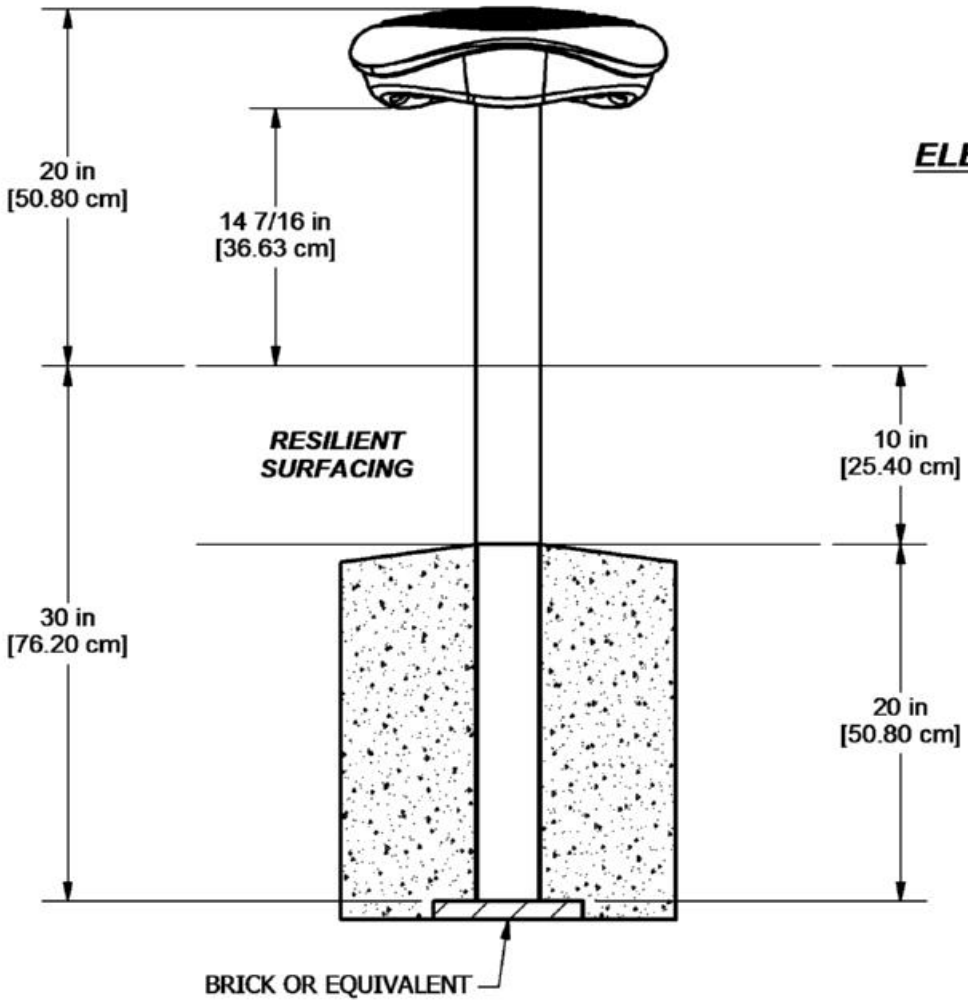
FINISHED ASSEMBLY

65281 BUTTON STEP 20"



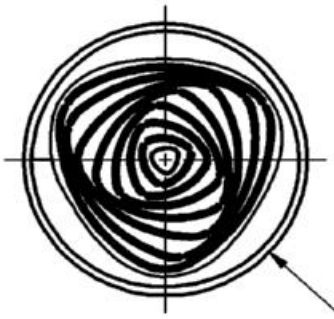
PLAN VIEW

CONCRETE REQUIRED
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



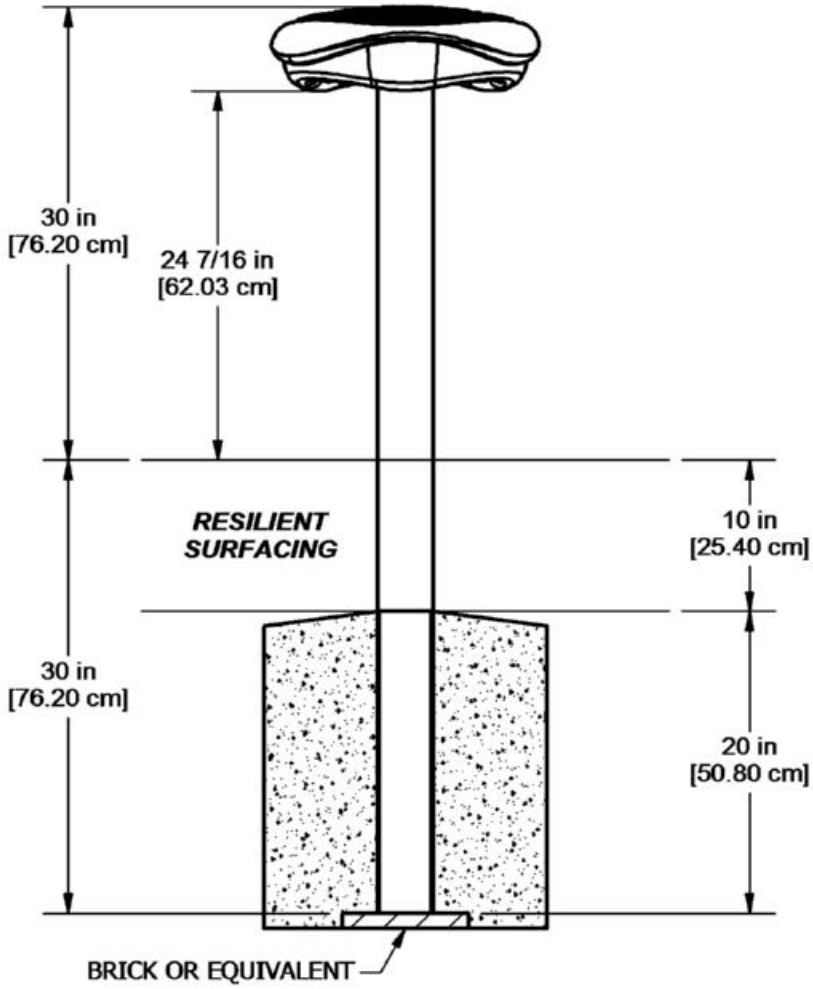
ELEVATION VIEW

65282 BUTTON STEP 30"



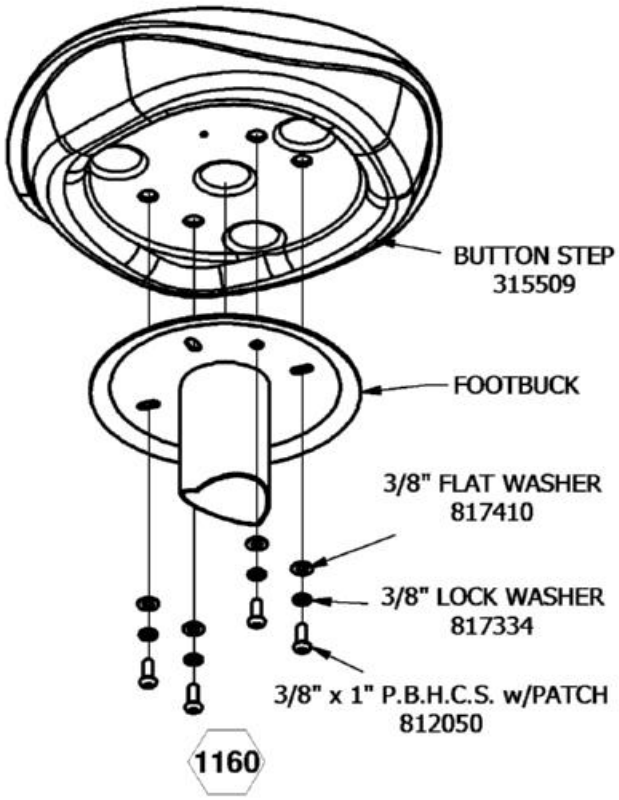
PLAN VIEW

CONCRETE REQUIRED
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



ELEVATION VIEW

65280 BUTTON STEP 10"; 65281 BUTTON STEP 20"; 65282 BUTTON STEP 30"



ParkPlay Free Standing

Model No: _____

Desc: _____

MODEL NO. 67860 Made-for-Me Swing Seat
MODEL NO. S67860 Made-for-Me Swing Seat w/S.S. Chain

PARTS LIST

DESCRIPTION	Number Required 67860	Number Required S67860	PART NUMBER
Made-for-Me Swing Seat Assembly (2 - 5)	1	1	178862
Seat Brace (Yellow)	1	1	214730**
Seat Latch (Yellow)	1	1	178513**
Hardware Complete	1	0	178870
Hardware Complete	0	1	178871
Galvanized Chain, 100 5/8" Lg.	2	0	178866*
Stainless Steel Chain, 100 5/8" Lg.	0	2	178867*
3/8" x 1 1/4" P.B.H.C.S. w/ Patch	2	2	812051*
3/8" x 1 3/4" P.B.H.C.S. w/ Patch	2	2	812054*
3/8" Lockwasher	4	4	817334*
3/8" Flatwasher	2	2	817410*
3/8" Flatwasher (1-1/4" O.D.)	2	2	817424*
3/8" Barrel Nut	2	2	804804*
Swing Hanger	2	2	1462*
Spacer	2	2	179390*

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

Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area. 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 all threaded hardware.

SPECIFICATIONS:

All polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D-1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD). The swing hanger shall consist of a top clevis, bottom clevis, and swing pendulum. The top clevis shall have a non-slip-serrated surface. The pendulum shall incorporate a factory installed bronze bushing. The pendulum shall be attached to the bottom clevis with 1/2" x 2 1/2" hex bolt, 1/2" lockwasher, and 1/2" hex nut.

INSTALLATION INSTRUCTIONS:

1. Remove 3/8" x 3/4" Hex Head Bolts from seat and discard.

2. Attach appropriate chain to top of seat using 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher and 3/8" Flatwasher (1 ¼" O.D.), and spacer. See Detail 297.

3. Connect chain to bottom of seat using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher, 3/8" Flatwasher and 3/8" Barrel Nut. See Detail 296.

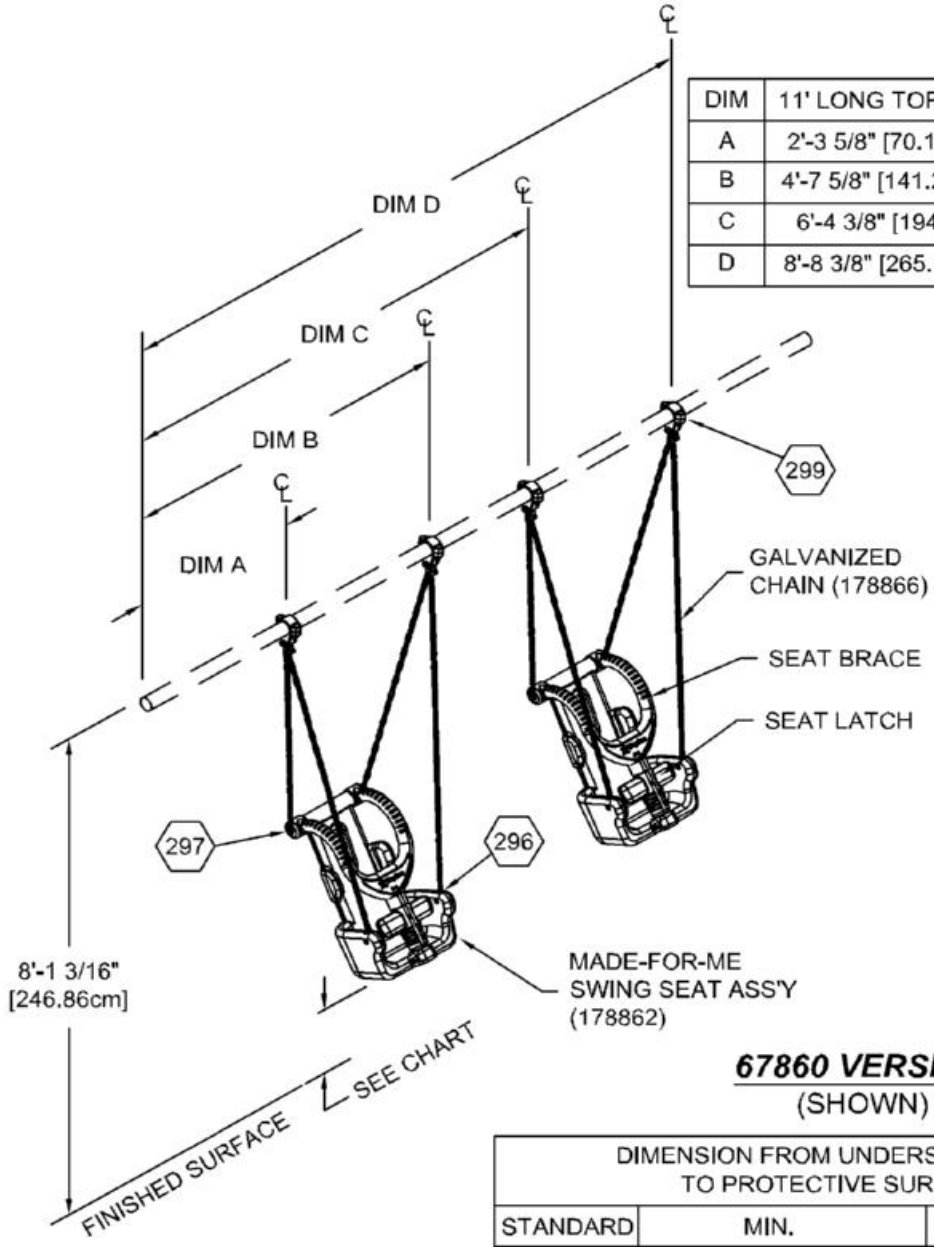
4. Connect assembled Swing Seat to swing hanger using 3/8" x 1" Shoulder Bolt. Refer to Detail 299.

5. Attach Swing Seat Assembly to top rail using 3/8" x 2" Carriage Bolt and 3/8" Lock Nut. See Detail 299 . Refer to Finished Assembly drawing for swing seat spacing.

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. Check 'S' Hooks at both ends and all connection points for wear. Check all moving part such as hangers for wear. Check 'S' Hooks as specified by ASTM F 1487 SECTION 6.3 for Entanglement. 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.

MODEL NO. 67860 Made-for-Me Swing Seat
MODEL NO. S67860 Made-for-Me Swing Seat w/S.S. Chain



DIM	11' LONG TOP RAIL	12' LONG TOP RAIL
A	2'-3 5/8" [70.17cm]	2'-9 5/8" [85.41cm]
B	4'-7 5/8" [141.29cm]	5'-1 5/8" [156.53cm]
C	6'-4 3/8" [194cm]	6'-10 3/8" [209.24cm]
D	8'-8 3/8" [265.12cm]	9'-2 3/8" [28.36cm]

67860 VERSION
(SHOWN)

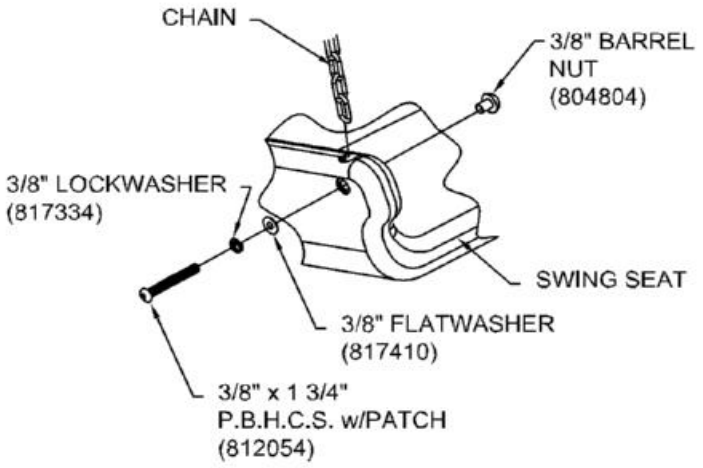
DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING		
STANDARD	MIN.	MAX.
*CANADIAN	300mm [11.81"]	N/A
ASTM	12" [305mm]	N/A
BS EN	350 mm [13.77"]	N/A
CPSC	12" [305mm]	N/A

* UNDER LOADED CONDITION BASED ON WEIGHT OF 165lb. [75kg.]

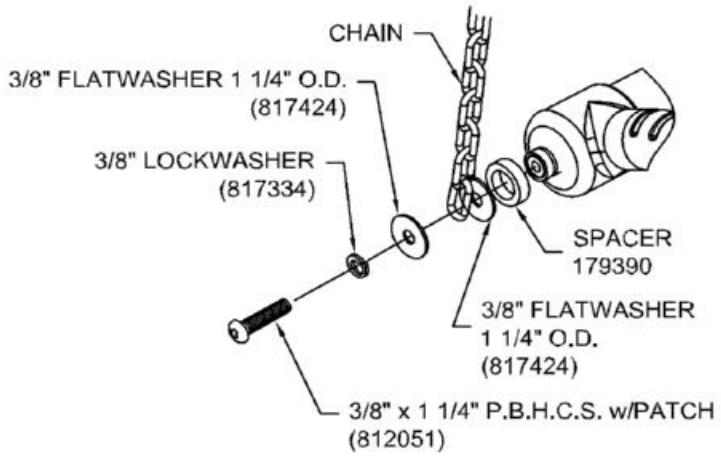
⬡ = ***INSTALLATION DETAIL***

FINISHED ASSEMBLY

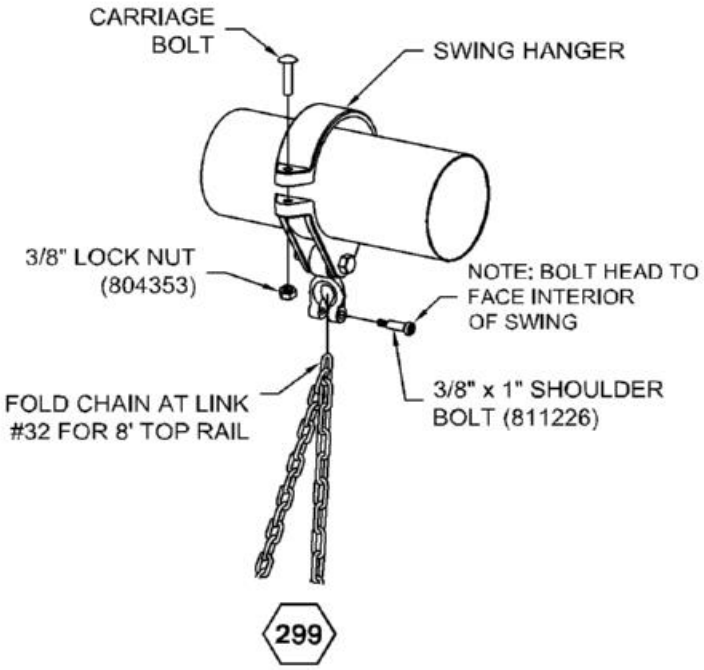
MODEL NO. 67860 Made-for-Me Swing Seat
MODEL NO. S67860 Made-for-Me Swing Seat w/S.S. Chain



296



297



299

68115 ACTIVITY METER

Parts List		
DESCRIPTION	QTY	PART NUMBER
FREESTANDING METER PANEL	1	313741
SUPPORT PIPE	1	313832
HARDWARE COMPLETE	1	313833
3/8" x 3" P.B.H.C.S. w/PATCH	1	812059*
3/8" FLAT WASHER (1 1/4" O.D.)	1	817424*
3/8" BARREL NUT	1	804804*
1/2" FLAT WASHER (1 3/8" O.D.)	1	817425*

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.

SPECIFICATIONS:

Freestanding Meter Panel:
Shall be rotational molded from polyethylene. The polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotational molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Denisty (ASTM D-155); Brittleness Temperature (ASTM D-745; Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD). The frame shall be reinforced with all welded construction fabricated from 1.688" O.D. x .083" (14 gauge) wall galvanized steel tubing, 2.375" x .095" (13 gauge) wall galvanized steel tubing, and 1/4" stainless steel plate.

Support Pipe:
Shall be fabricated from 2.375" x .095" (13 gauge) wall galvanized steel tubing. The Support Pipe shall be coated with a custom formula of TGIC polyester powder coating in conformance with specifications outlined herein.

Powder Coat Finish:
Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. The coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794-69), Wedge Bend (ASTM D-522-68).

Hardware:
All nuts, bolts, screws, inserts, and lock washers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. NOTE: All weights are based on average comparisons of each part.

INSTALLATION INSTRUCTIONS:

1. Locate and dig footing hole according to Plan View. See Plan View for dimensions and notes regarding surfacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*

68115 ACTIVITY METER

2. Attach Support Pipe to Freestanding Meter Panel using 3/8" x 3" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), 1/2" Flat Washer (1 3/8" O.D.), and 3/8" Barrel Nut. See Detail 839.

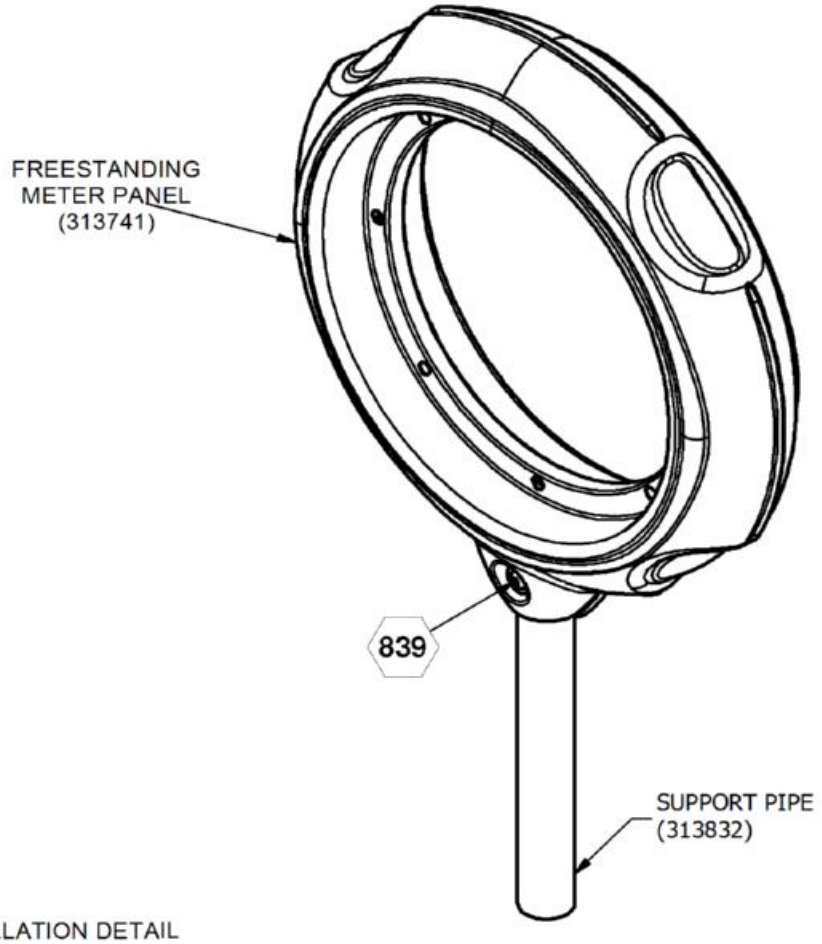
3. Plumb and level the entire assembly and tighten all fasteners.

4. 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.

5. When the structure is finished and satisfactory, eliminate sharp points and 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:

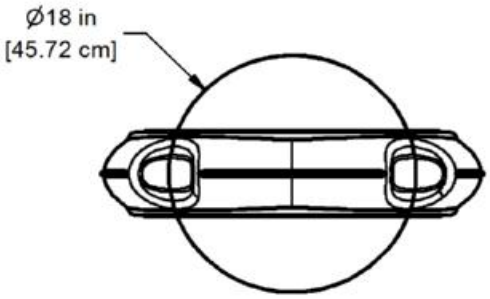
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check 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.



⬡ = INSTALLATION DETAIL

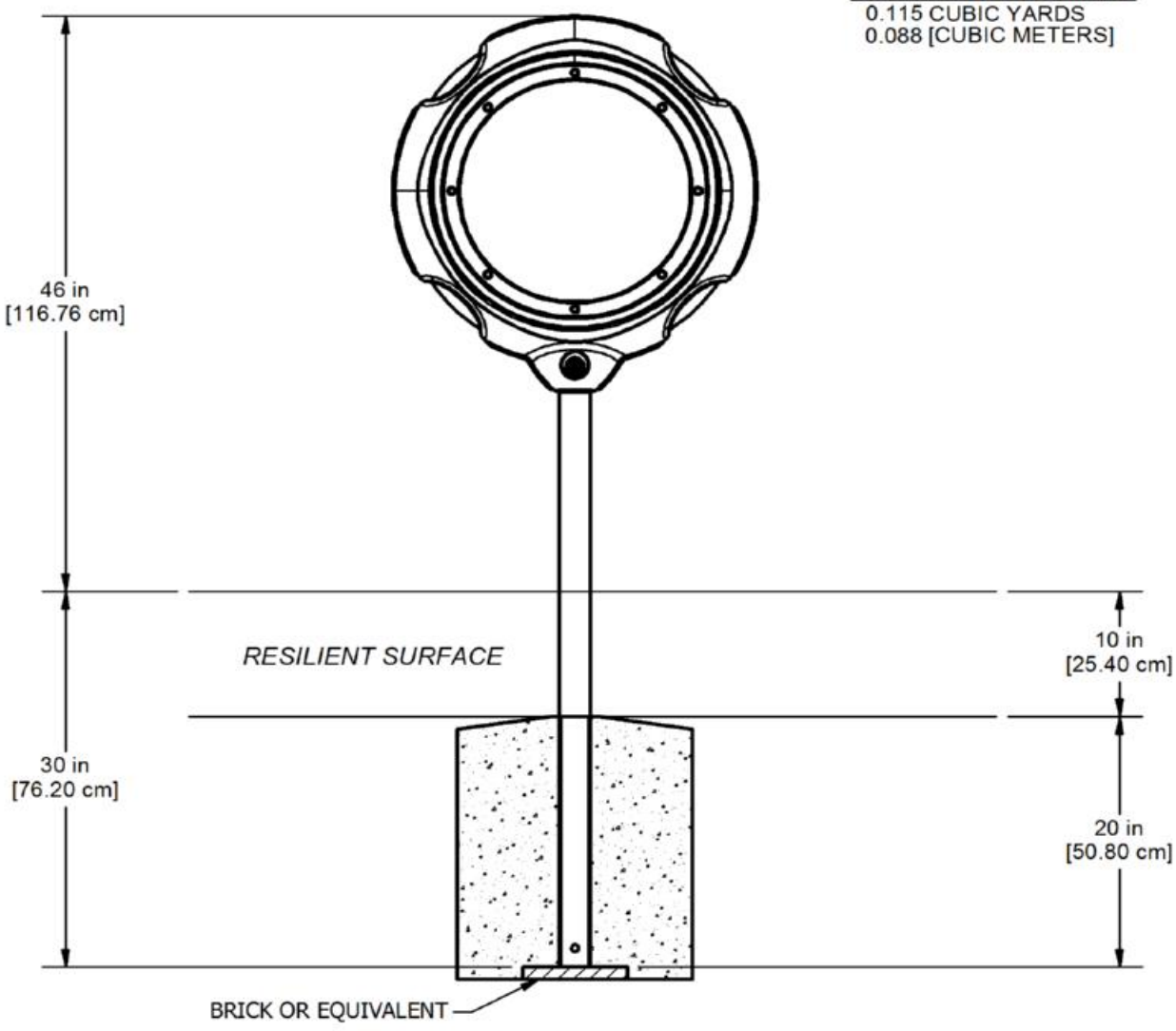
FINISHED ASSEMBLY

68115 ACTIVITY METER



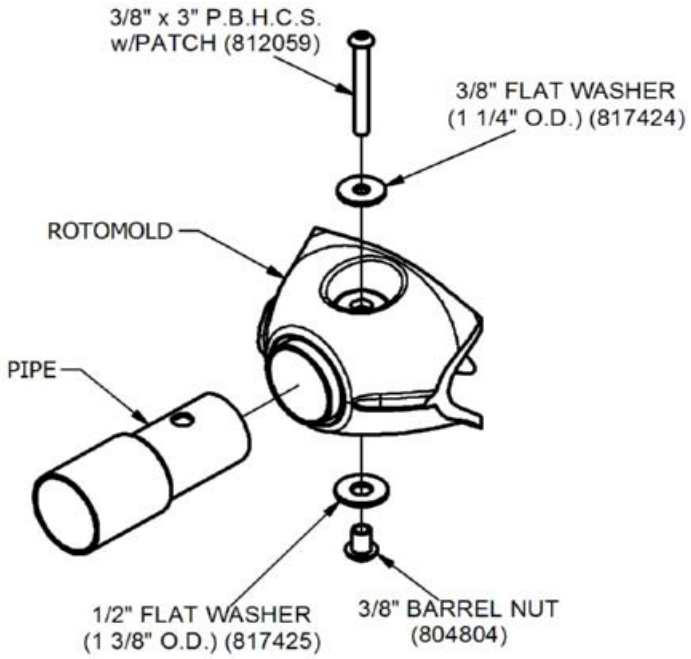
PLAN VIEW

CONCRETE REQUIRED
0.115 CUBIC YARDS
0.088 [CUBIC METERS]



ELEVATION VIEW

68115 ACTIVITY METER



839

SuperMax Play Systems

71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck

Parts List				
DESCRIPTION	71000	71001	71002	PART NUMBER
DECK ADAPTER	4	3	3	309921
SQUARE DECK PLATFORM	1	0	0	309922
TRIANGLE DECK PLATFORM	0	1	0	309928
ISOSCELES TRIANGLE DECK PLATFORM	0	0	1	309932
HARDWARE COMPLETE	1	0	0	309927
HARDWARE COMPLETE	0	1	1	309931
1/4" x 3/4" SET SCREW	8	6	6	811545
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	812052
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	3	3	812051
3/8" LOCK WASHER	6	5	5	817334
3/8" FLAT WASHER (1 1/4" O.D.)	6	5	5	817424
3/8" T-NUT	2	2	2	804556

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. Place Uprights in dug holes at appropriate height per Upright installation instructions. Get the height required for the deck from the Plan View Diagram. Use a felt-tip marker to mark the top of the Ring Clamp on all uprights.

2. Loosely attach all Ring Clamps to the uprights. Refer to the seperate Ring Clamp Installation sheet.

3. Attach Deck Adapters to the Ring Clamps using 1/4" x 3/4" set screw. Do not overly tighten set screws. Attach decks to the Deck Adapter using 3/8" x 1 1/4" P.B.H.C.S., 3/8" Flat Washer, and 3/8" Lock Washer as shown in Detail 447. Plumb and level uprights and brace in position.

4. Using a level, and holding one Ring Clamp as a constant, adjust the other clamps so that the deck is completely level. At this point, if you have more decks to attach, lay each succeeding deck on the ground against the previous deck's two posts, and mark the missing footings to be dug. Continue attaching decks in this manner. Tighten set screws after all decks are attached.

5. Attach side-by-side decks to one another using 3/8" x 3/4" P.B.H.C.S., 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" T-Nut as shown in Detail 061.

6. When all decks are completed and correct, pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow curing at least 48 hours before use.

7. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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.

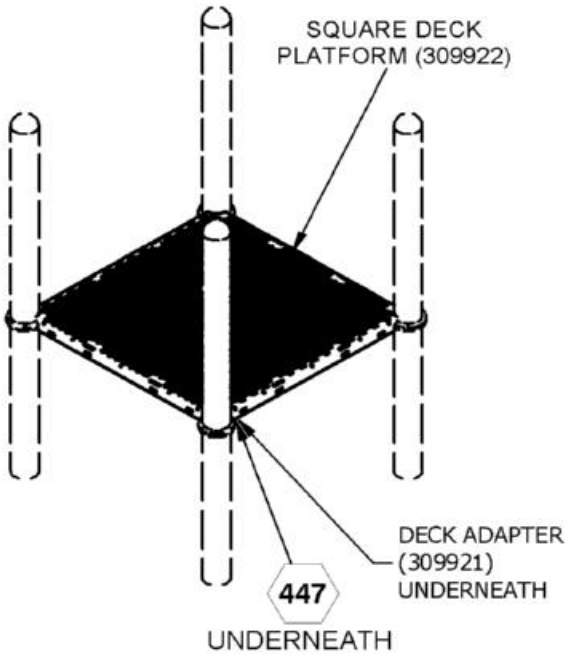
SuperMax Play Systems

71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck

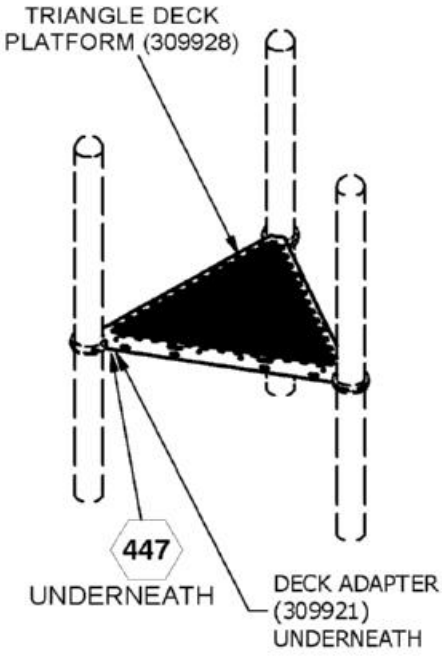
Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

MAINTENANCE PROCEDURE:

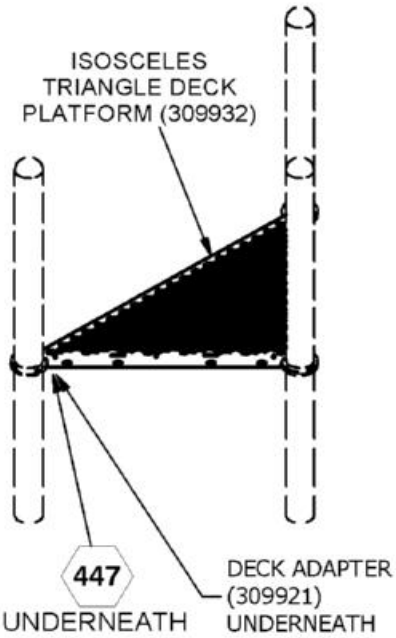
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check 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.



SQUARE DECK



TRIANGLE DECK



ISOSCELES TRIANGLE DECK

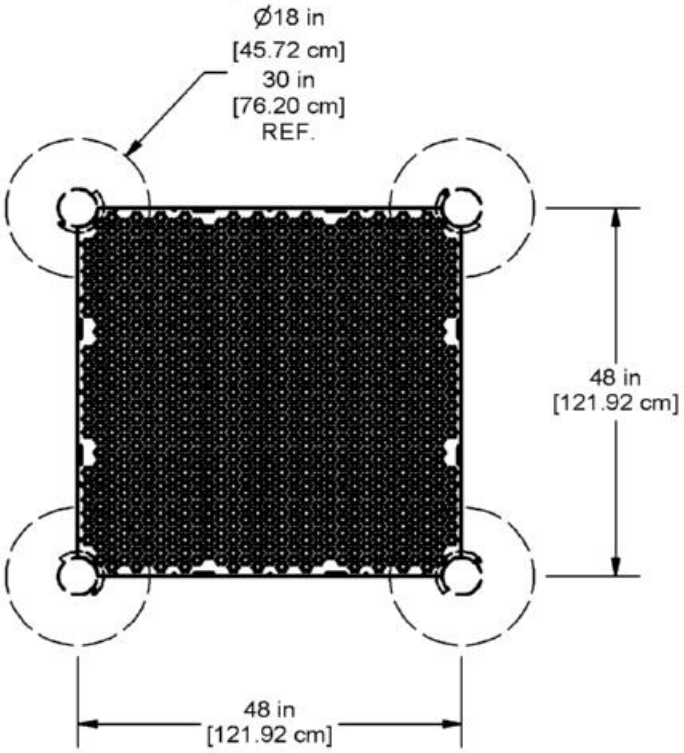
FINISHED ASSEMBLY

= INSTALLATION DETAIL

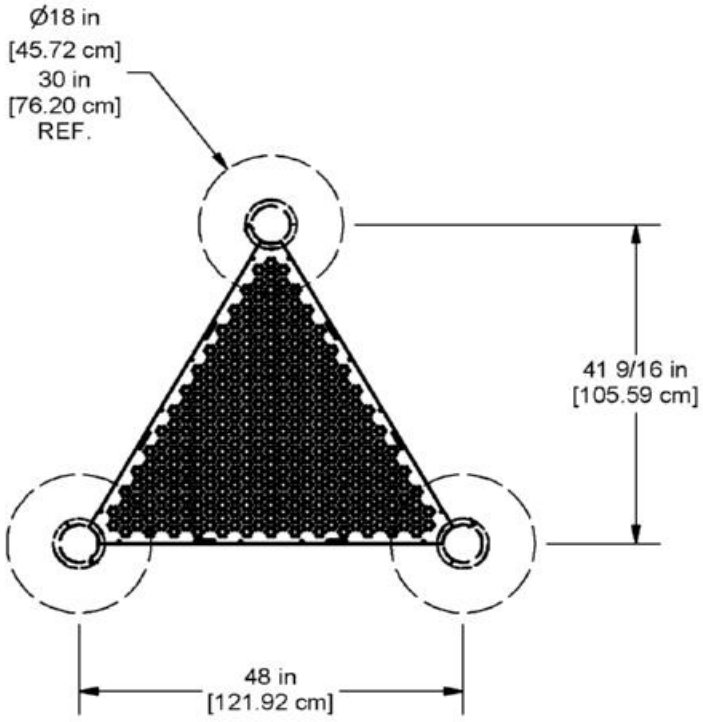
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 7/13/2012

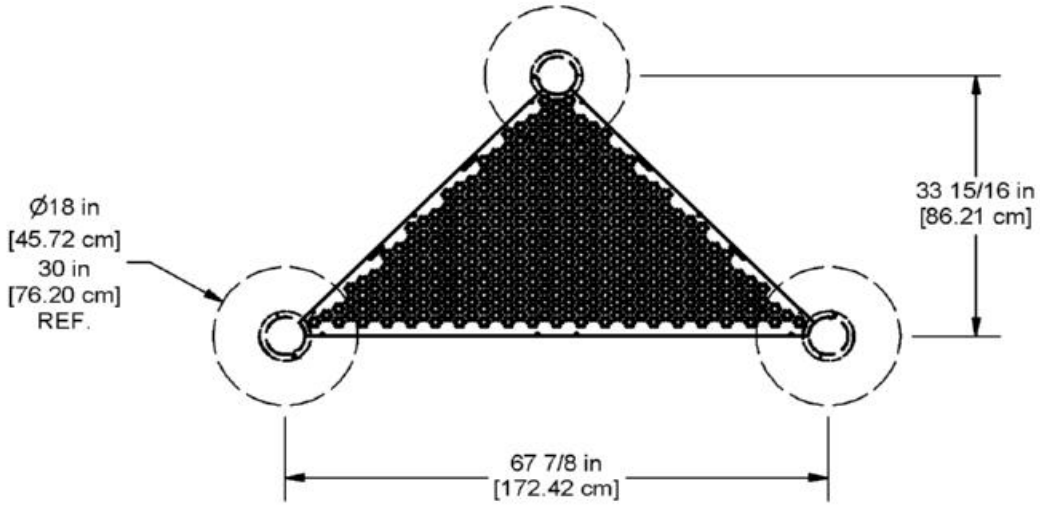
71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck



SQUARE DECK



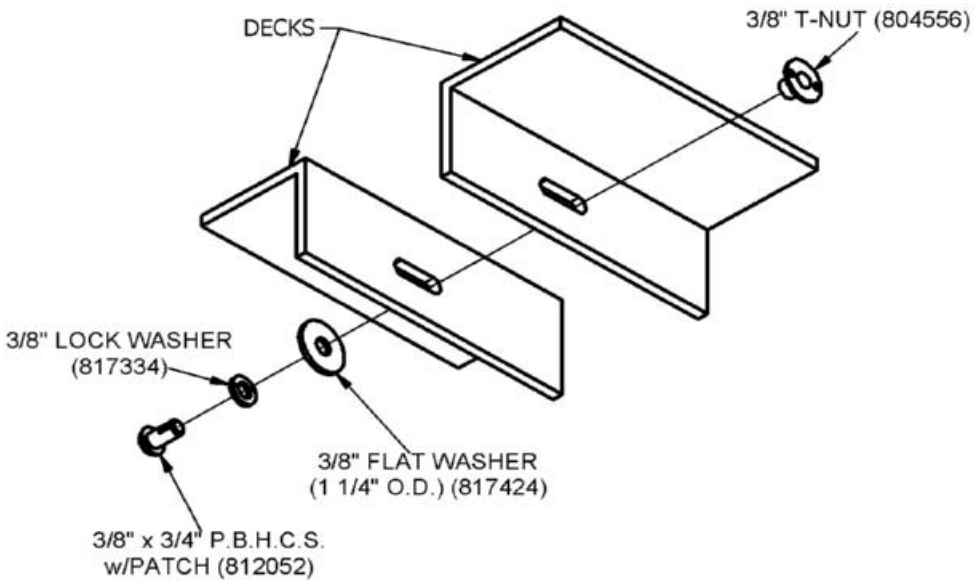
TRIANGLE DECK



ISOSCELES TRIANGLE DECK

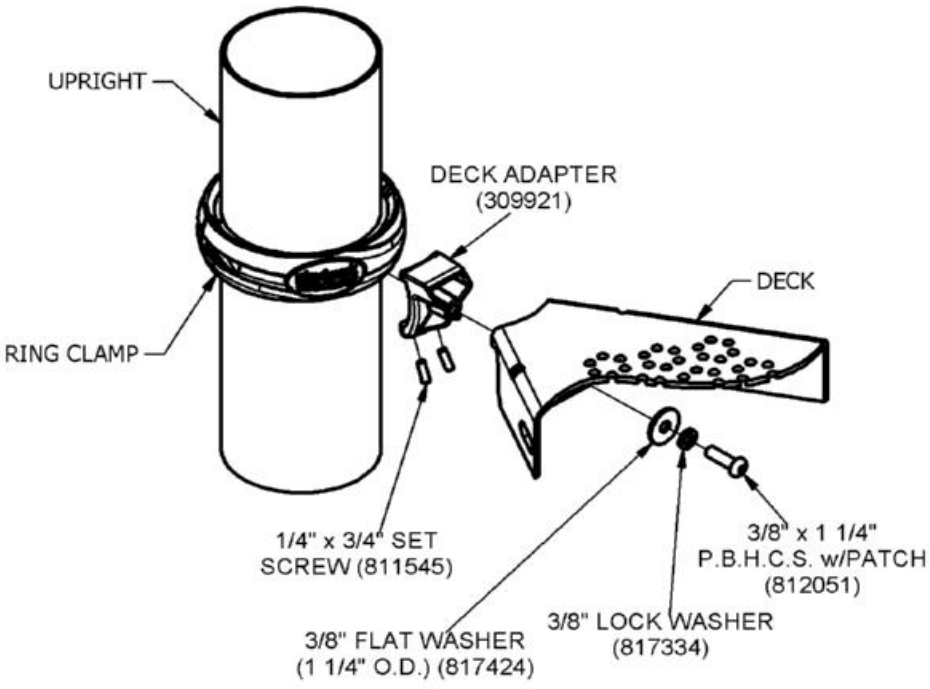
PLAN VIEW

71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck



061

NOTE: DECK ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS



447

SuperMax Play Systems

71003 Semi-Hex Deck

Parts List		
DESCRIPTION	QTY	PART NUMBER
SEMI-HEX DECK	1	309938
DECK ADAPTER	5	309921
-----HARDWARE COMPLETE-----	1	309942
3/8" FLAT WASHER (1 1/4" O.D.)	9	817424
3/8" LOCKWASHER	9	817334
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	5	812051
1/4" x 3/4" SET SCREW	10	811545
3/8" T-Nut	4	804556
3/8" x 3/4" P.B.H.C.S. w/Patch	4	812052

Unless Otherwise Specified, All Units of Measure are Each
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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. Place Uprights in dug holes at appropriate height per Upright installation instructions. Get the height required for the deck from the Plan View Diagram. Use a felt-tip marker to mark the top of the Ring Clamp on all uprights.

HINT: If this is the first deck of the structure, locate and concrete one upright only (preferably the most shared post, if this deck is part of a multi deck group), ensuring it is plumb and at the right height. After it has had a chance to set, place one corner of the deck against the post and mark the location of the adjacent post. Concrete the second post. Continue this procedure for all five posts while leaving the deck on the ground. The deck has been used as its own template, and the deck is now easily attached as its uprights are already in place.

2. Loosely attach all Ring Clamps to the uprights. Refer to the seperate Ring Clamp Installation sheet.

3. Attach Deck Adapters to the Ring Clamps using 1/4" x 3/4" set screw. Do not overly tighten set screws. Deck Adapters should still rotate on Ring Clamp. Attach Decks to the Deck Adapter using 3/8" x 1 1/4" P.B.H.C.S., 3/8" flatwasher and 3/8" lockwasher. Plumb and level uprights and brace in position.

4. Using a level, and holding one Ring Clamp as a constant, adjust the other four clamps so that the deck is completely level. At this point, if you have more decks to attach, lay each succeeding deck on the ground against the previous deck's two posts, and mark the missing footings to be dug. Continue attaching decks in this manner. Tighten set screws after all decks are attached.

5. Attach side-by-side decks to one another using 3/8" x 3/4" P.B.H.C.S., 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" T-Nut as shown in Detail 061.

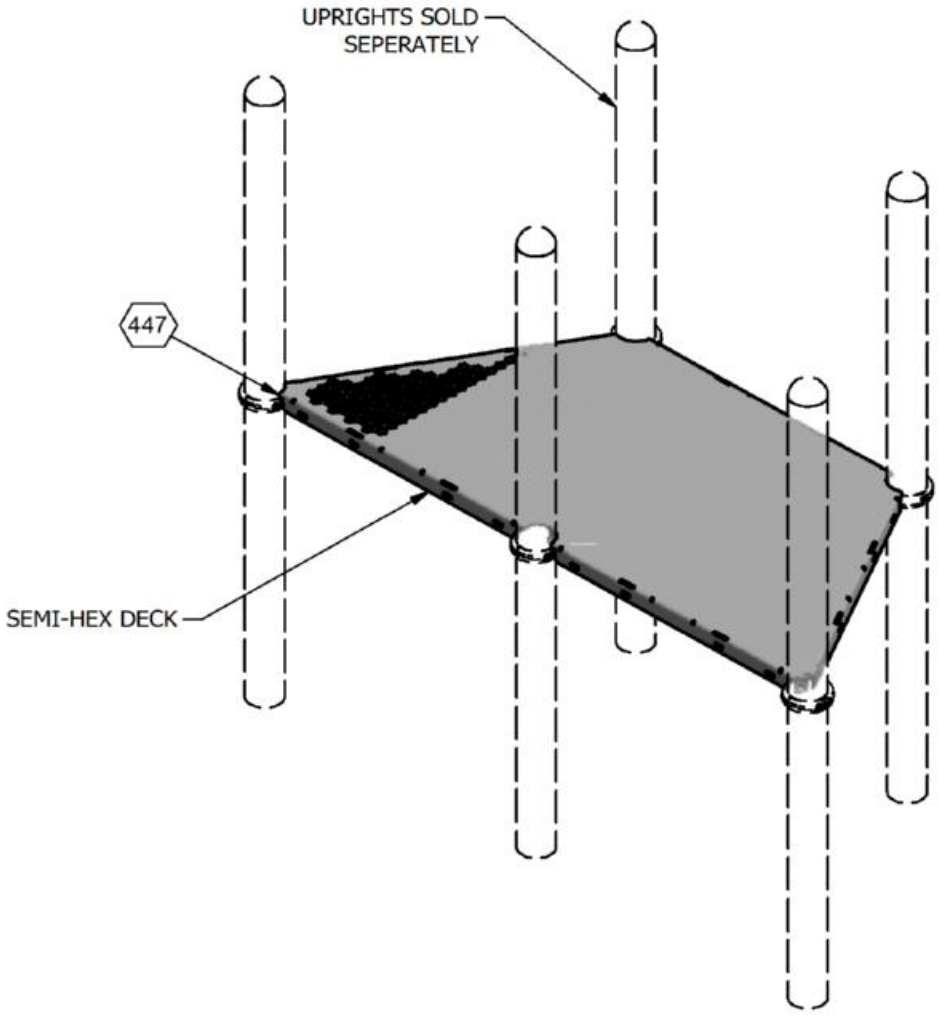
6. When all decks are completed and correct, pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow curing at least 48 hours before use.

When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Deck Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***.

71003 Semi-Hex Deck

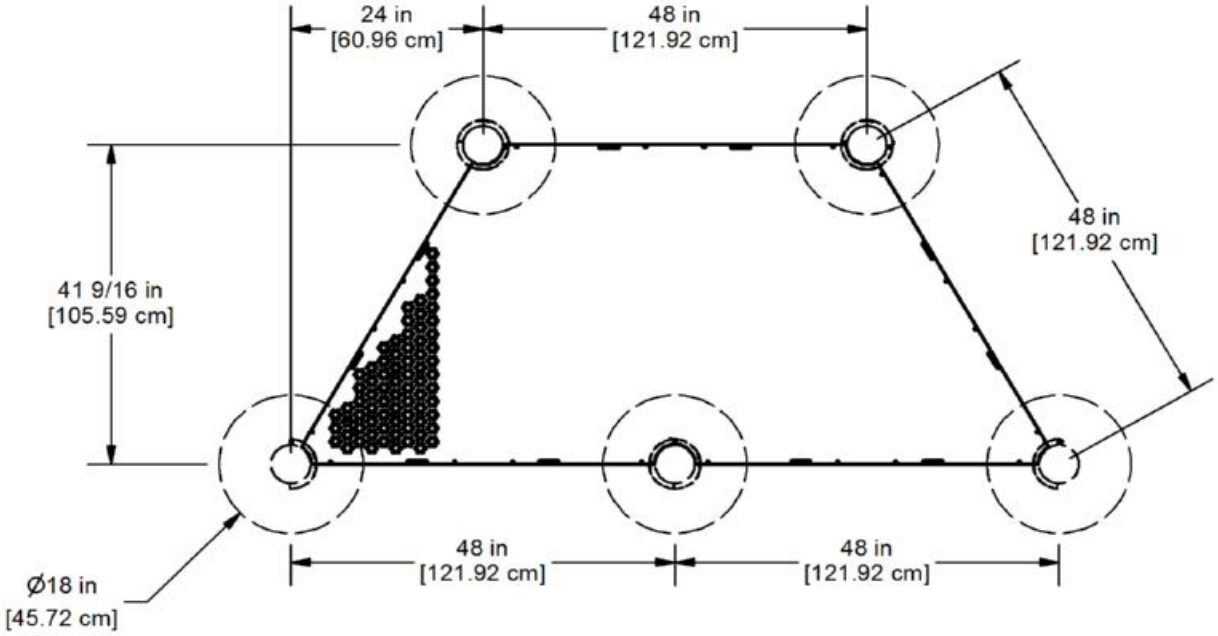
Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

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. Check for rust or paint loss and touch-up if necessary with paint. Check welded areas and verify integrity. Check Plastisol-coating for bare spots and touch-up with Plastisol if necessary. Clear any trapped debris from deck perforations. 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.

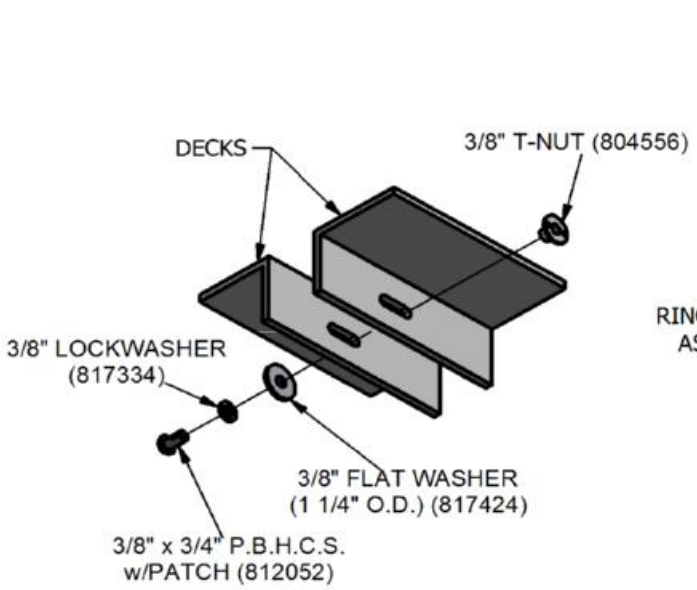


FINISHED ASSEMBLY

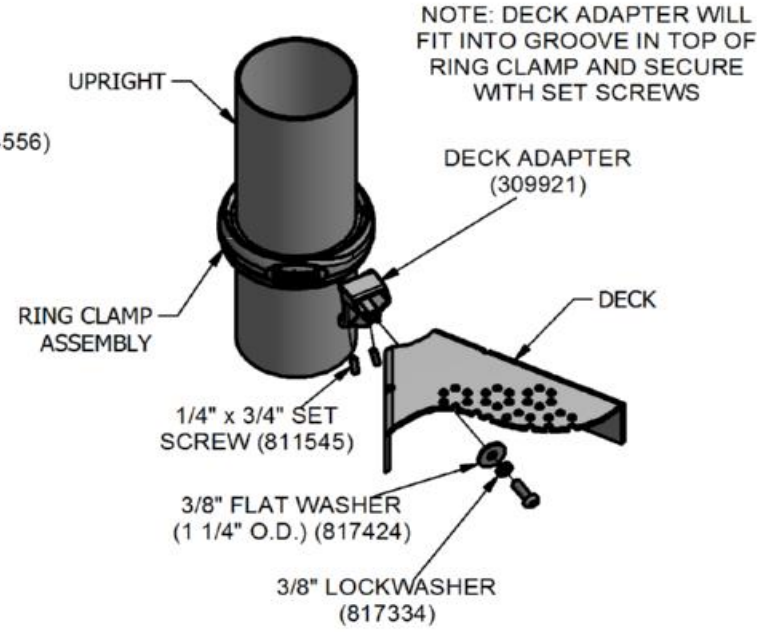
71003 Semi-Hex Deck



71003 Semi-Hex Deck



061



447

SuperMax Play Systems

71015 Ramp Deck to Ground

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	RAMP	1	311019
2	RAMP BARRIER	2	311016
3	HAND HOLD	2	176725
4	TRANSITION PLATE	1	303867
5	CROSS BAR	1	310032
6	VERTICAL ADAPTER	4	309917
7	PANEL ADAPTER	2	309919
8	ALUMINUM COLLAR	2	301605
	-----HARDWARE COMPLETE-----	1	311022
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	2	812053
	3/8" x 1" P.B.H.C.S. w/PATCH	24	812050
	3/8" FLAT WASHER (1 1/4" O.D.)	16	817424
	3/8" FLAT WASHER	28	817410
	3/8" LOCK WASHER	20	817334
	3/8" ACORN NUT	12	804002
	3/8" BARREL NUT	4	804804
	3/8" LOCK NUT	8	804353
	3/8" T-NUT	6	804556
	1/4" x 3/4" SET SCREW	12	811545
	3/8" x 3/8" SET SCREW	2	811549
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	6	812054

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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. Determine which deck is to receive the Ramp, and dig footings at location and depth as shown.

2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.

3. Attach top of the Barriers to the Ring Clamps using Vertical Adapters as shown in Detail 569 & 570.

4. Attach Ramp to the existing deck as shown in Detail 573.

5. Attach the bottom of the Barriers to the sides of the Ramp as shown in Detail 572.

6. Attach lower end of Ramp to the existing Uprights using Crossbar, Aluminum Collar and Panel Adapters as shown in Detail 575. Ramp should be centered between uprights and secured by tightening set screws in collar.

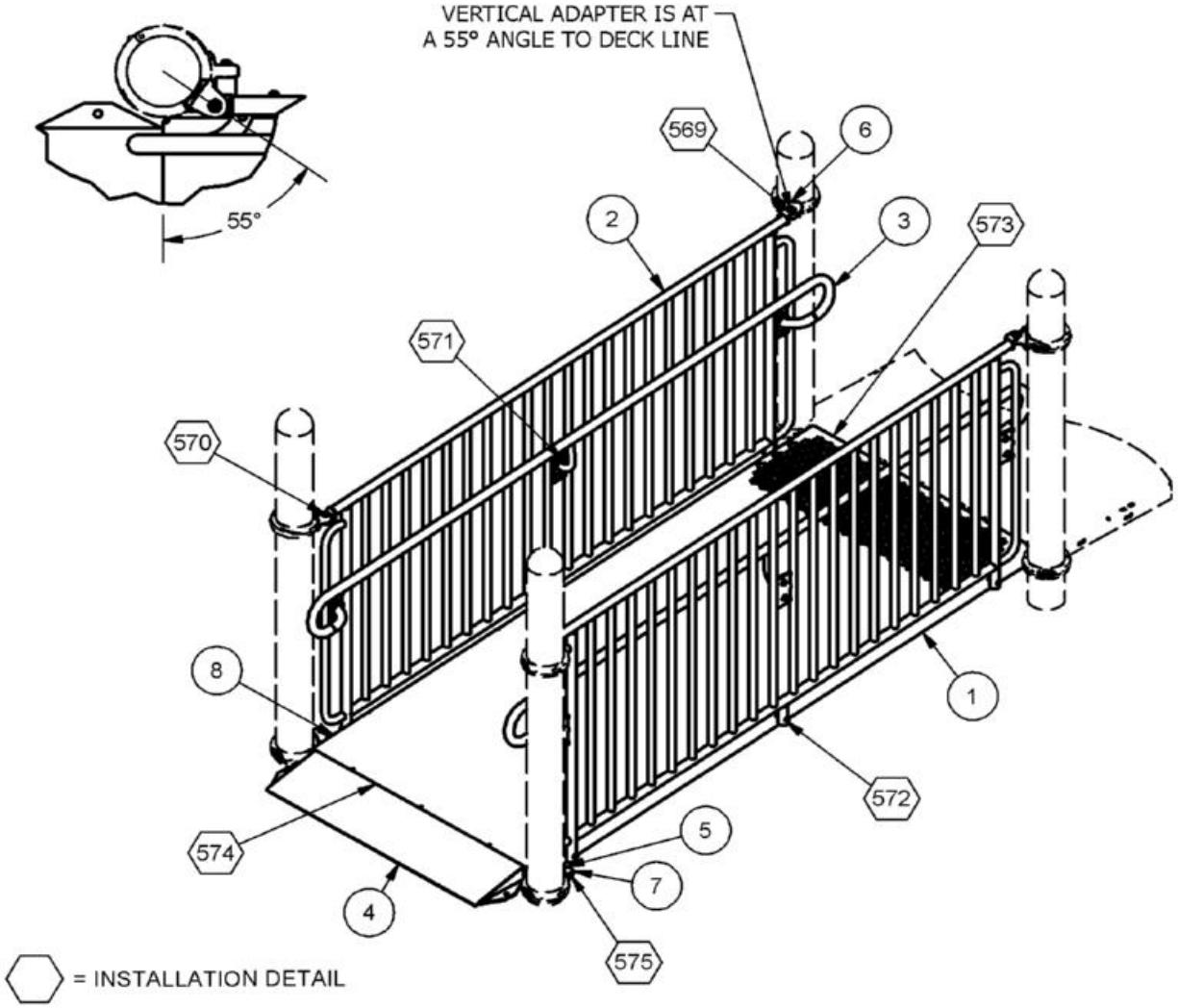
7. Attach Transition Plate to the lower end of Ramp as shown in Detail 574

8. Attach Handrails to the Barriers using Detail 571.

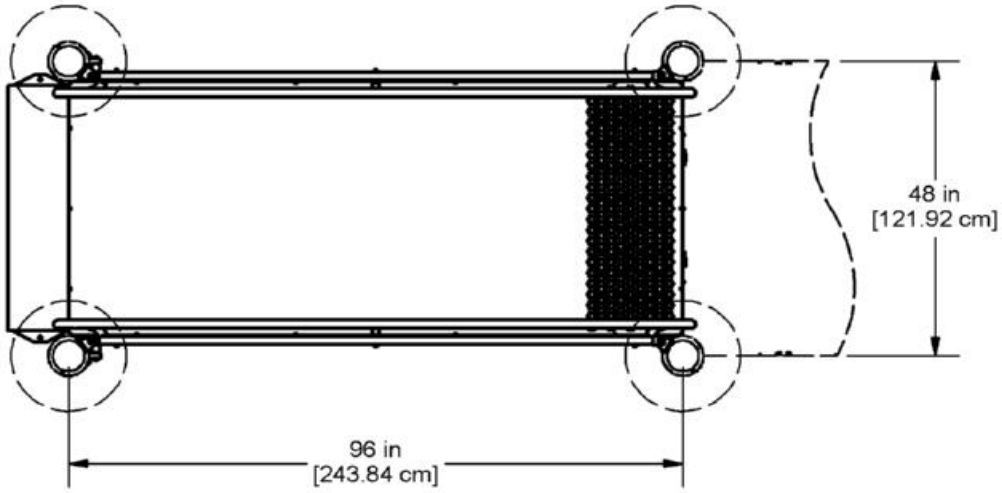
71015 Ramp Deck to Ground

9. When the assembly is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed before allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Also 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.

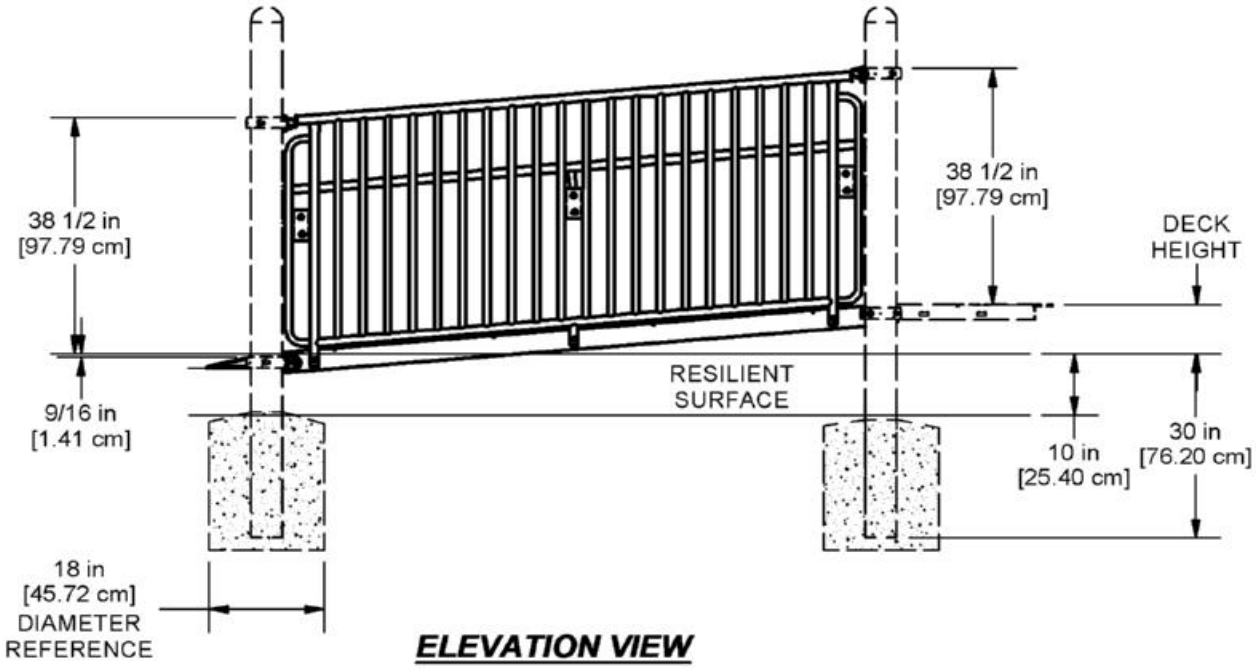
MAINTENANCE PROCEDURE:
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71015 Ramp Deck to Ground

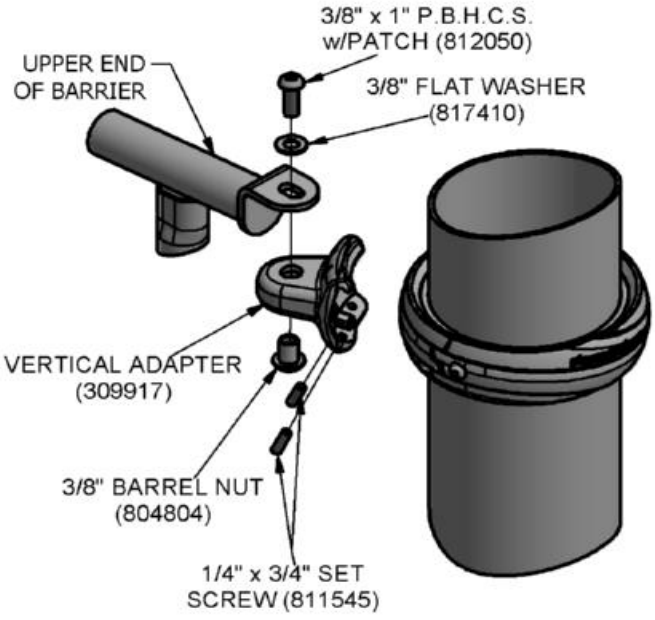


PLAN VIEW

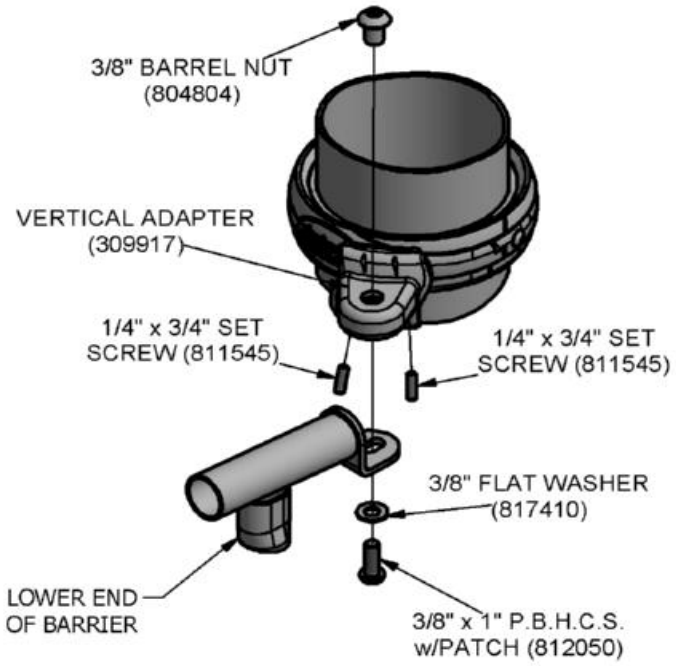


ELEVATION VIEW

71015 Ramp Deck to Ground

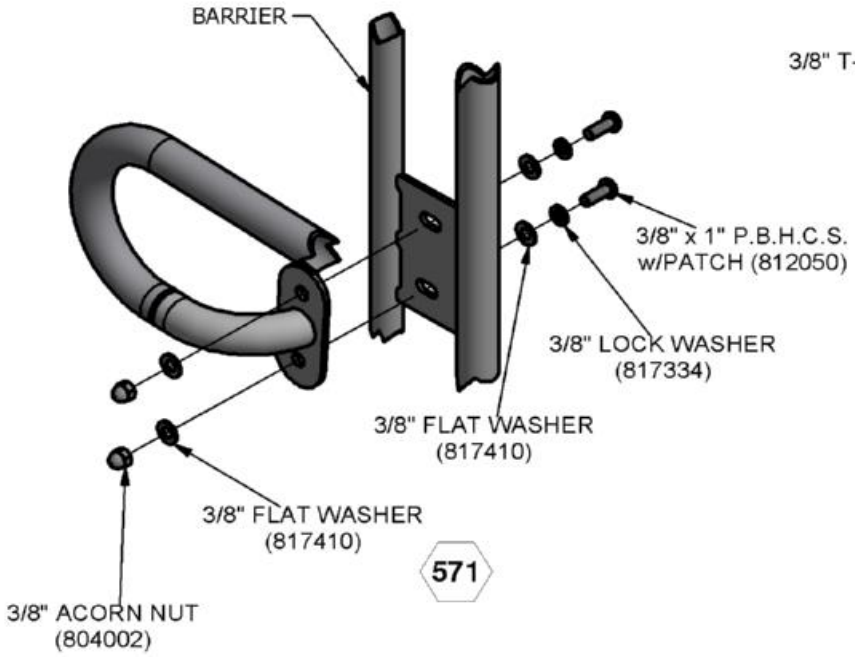


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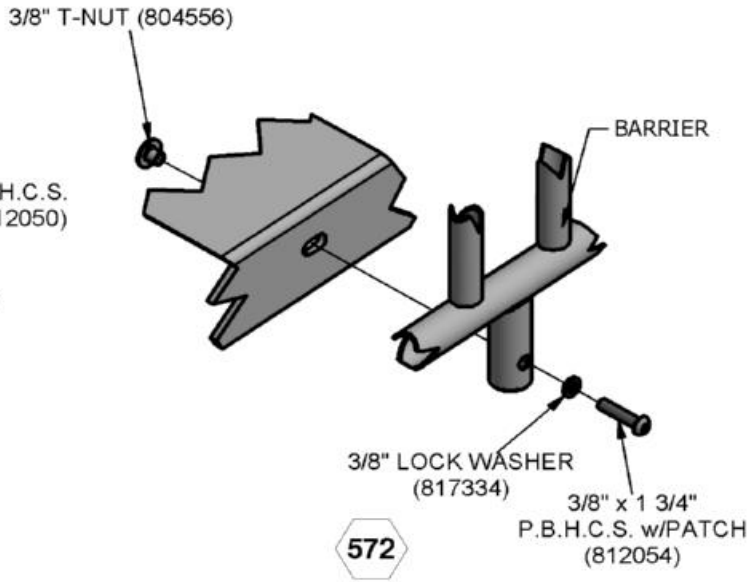


570

NOTE:VERTICAL ADAPTER WILL FIT INTO GROOVE IN
TOP OF RING CLAMP AND SECURE WITH SET SCREWS.



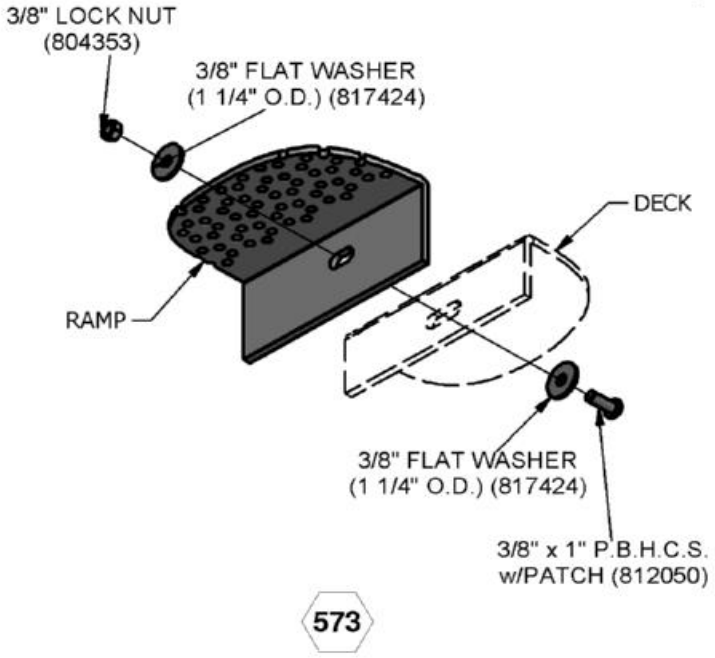
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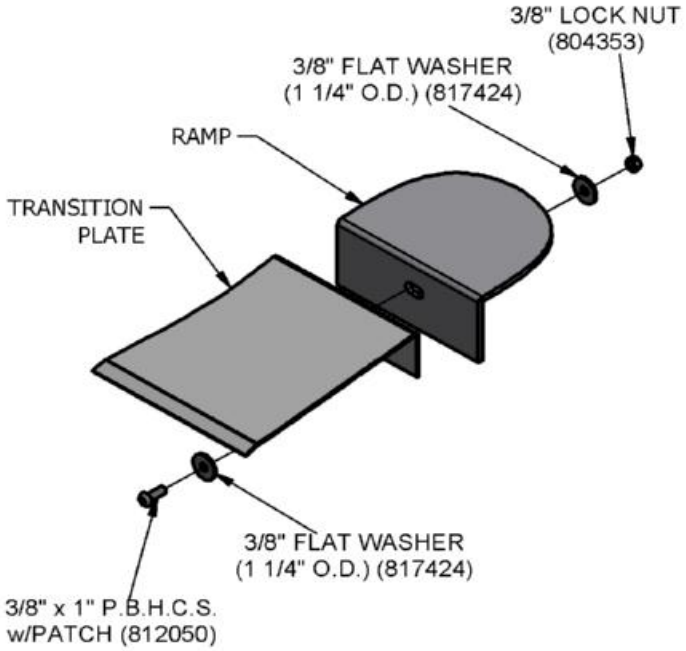
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Issued/Revised: 3/16/2023

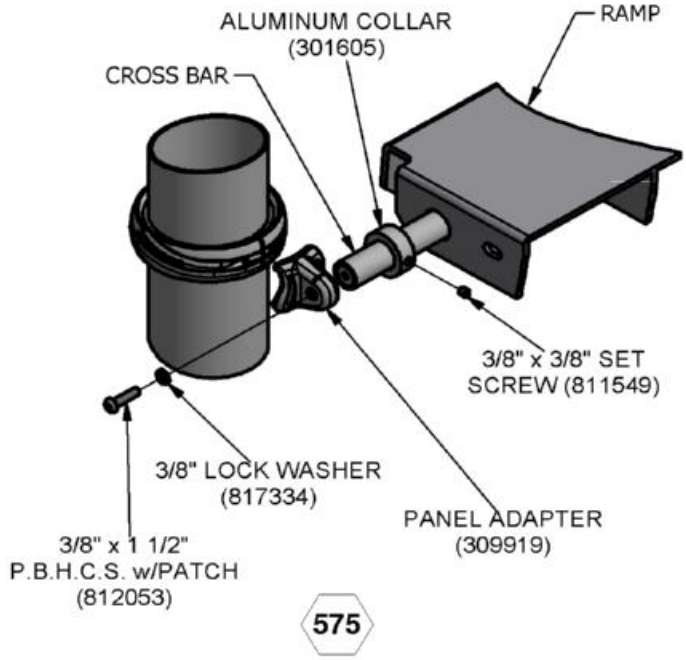
71015 Ramp Deck to Ground



573



574



575

NOTE:VERTICAL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

SuperMax Play Systems

71019 Telescope Panel

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	PIPE WALL	1	309972
2	PIPE ADAPTER	2	309915
	TELESCOPE ASS'Y	1	314712
	TELESCOPE SWIVEL CASTING	1	314703
	TELESCOPE HALF CLAMP CASTING	2	314705
	-----HARDWARE COMPLETE-----	1	314878
	1/4" x 3/4" SET SCREW	4	811545
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052
	3/8" x 1" P.B.H.C.S. w/PATCH	1	812050
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	1	812053
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	812054
	3/8" FLAT WASHER	5	817410
	3/8" FLAT WASHER (1 1/4" O.D.)	4	817424
	3/8" LOCK WASHER	4	817334
	3/8" BARREL NUT	4	804804
	3/8" LOCK NUT	2	804353
	1/2" FLAT WASHER	1	817412
	1/4" x 1" DRIVE RIVET	2	805302

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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. Loosely attach all Ring Clamps to the uprights. Refer to the seperate Ring Clamp Installation sheet.
2. Using a 7/16" drill bit, ream out any excess "Plastisol" coating from all holes used on the deck. Be careful not to expose the steel.
3. Put Pipe Wall tabs into slots on deck. Slip Pipe Adapters over Pipe Wall attachment pipes, then hook Pipe Adapters onto Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448. Attach Pipe Adapter to Pipe Wall using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 448.
4. Attach tabs to deck using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flatwasher, and 3/8" Lock Nut as shown in Detail 026. After ensuring Pipe Wall is square and level, tighten all fasteners.
5. Attach Telescope to Pipe Wall as shown in Detail 959.

IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

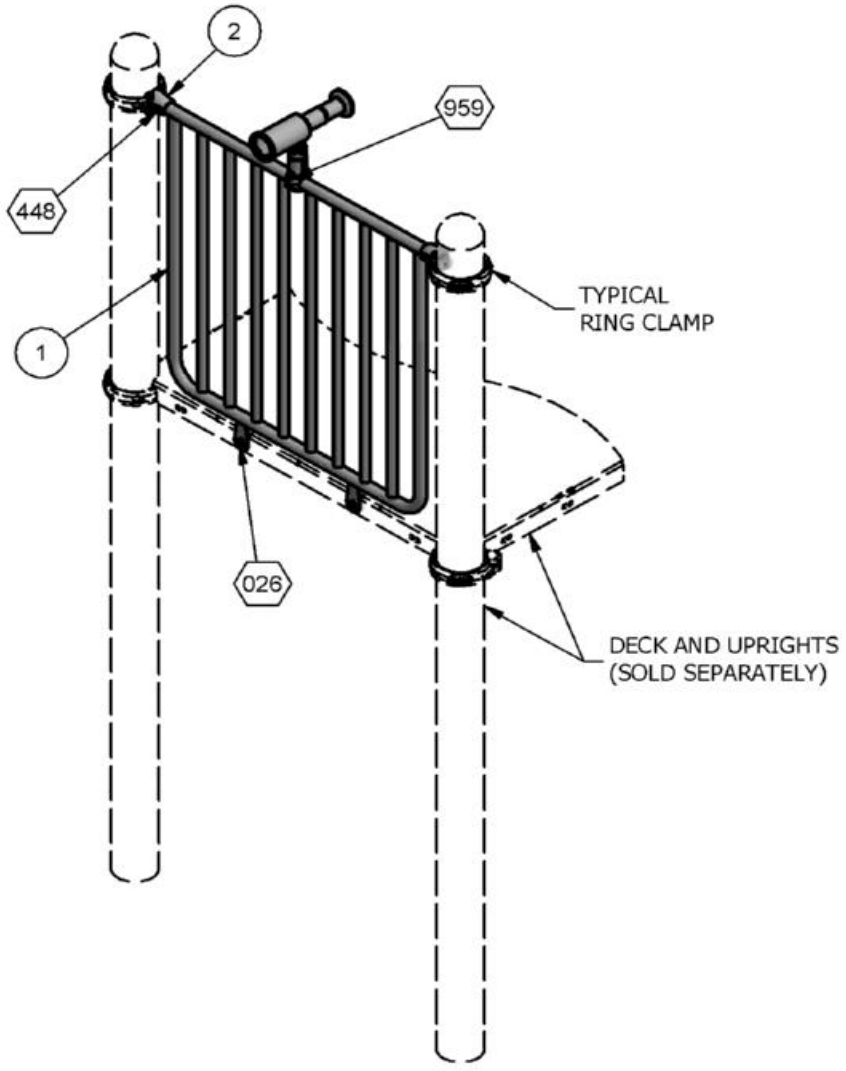
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71019 Telescope Panel

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

MAINTENANCE PROCEDURE:

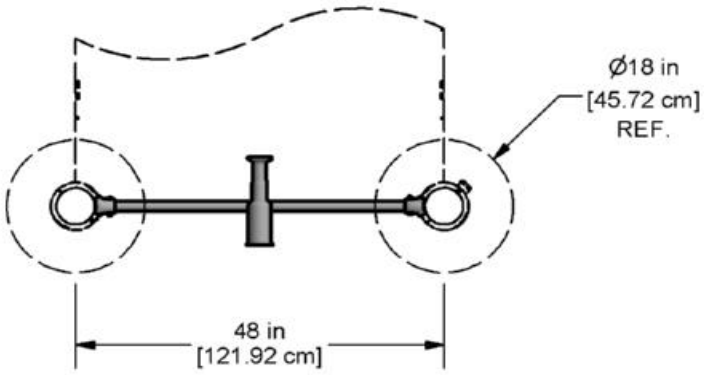
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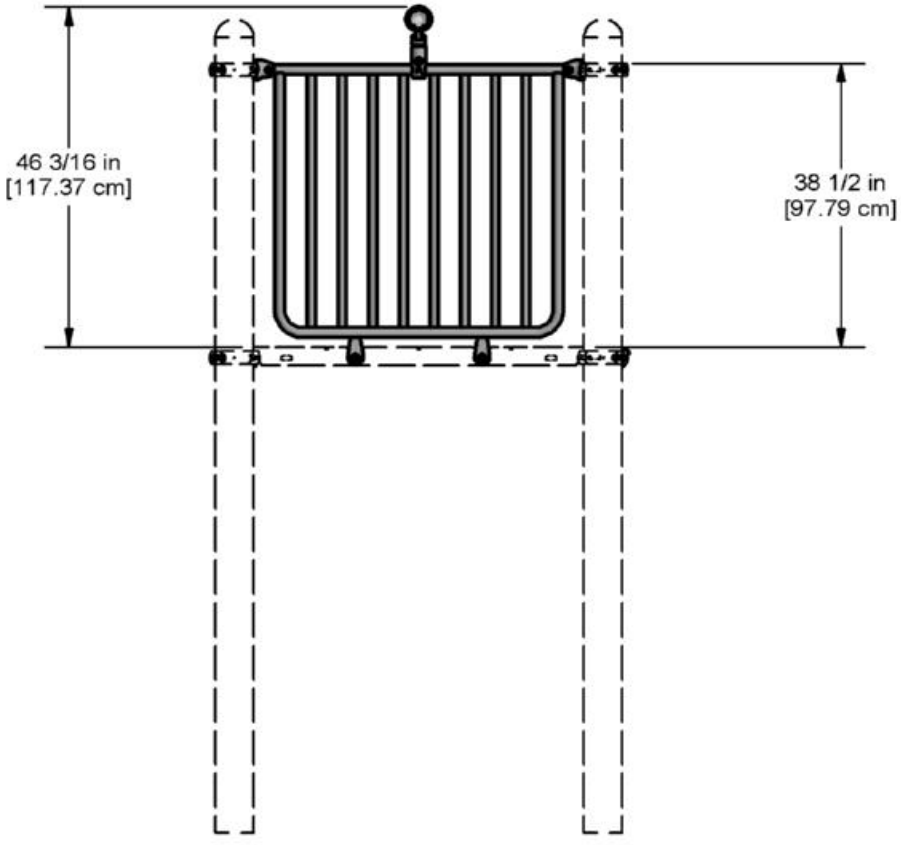
⬡ = INSTALLATION DETAIL

FINISHED ASSEMBLY

71019 Telescope Panel

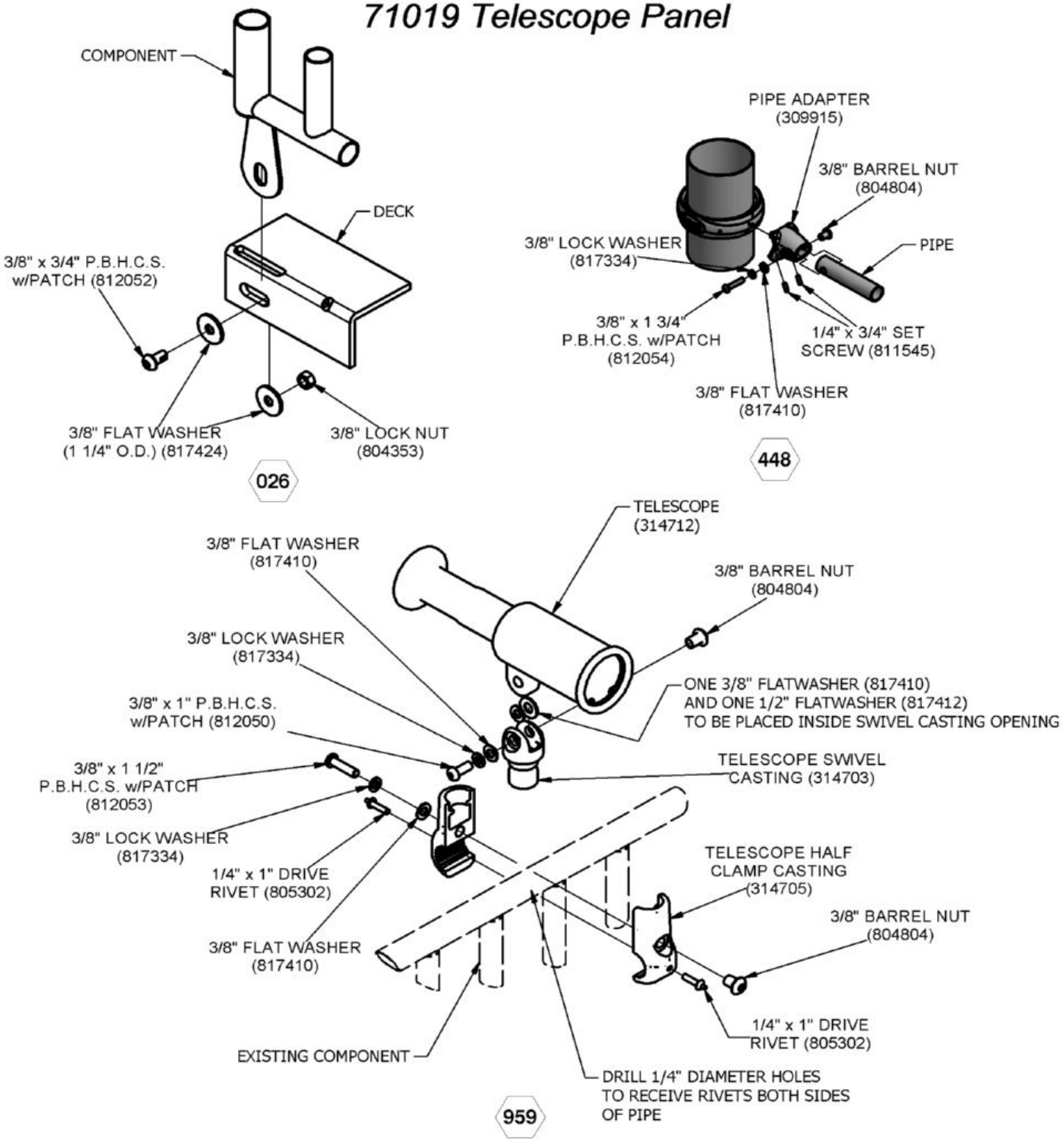


PLAN VIEW



ELEVATION VIEW

71019 Telescope Panel



Issued/Revised: 3/10/2023

SuperMax Play Systems

71031 RING CLAMP ASSEMBLY

Parts List		
DESCRIPTION	QTY	PART NUMBER
RING CLAMP	1	309911
HARDWARE COMPLETE	1	309998
1/4" x 1" DRIVE RIVET	1	805302*
1/4" x 1 1/4" P.B.H.C.S.	1	812083*

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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. Locate uprights to receive Ring Clamp Assemblies (Refer to individual component installation sheets for clamp heights).

2. Attach Ring Clamp to upright using 1/4" x 1 1/4" PBHCS. Tighten screw only enough to hold the clamps position on the upright. Adjustment may be neccasary. See Detail 452.
IMPORTANT: Orientation of bolt is critical.

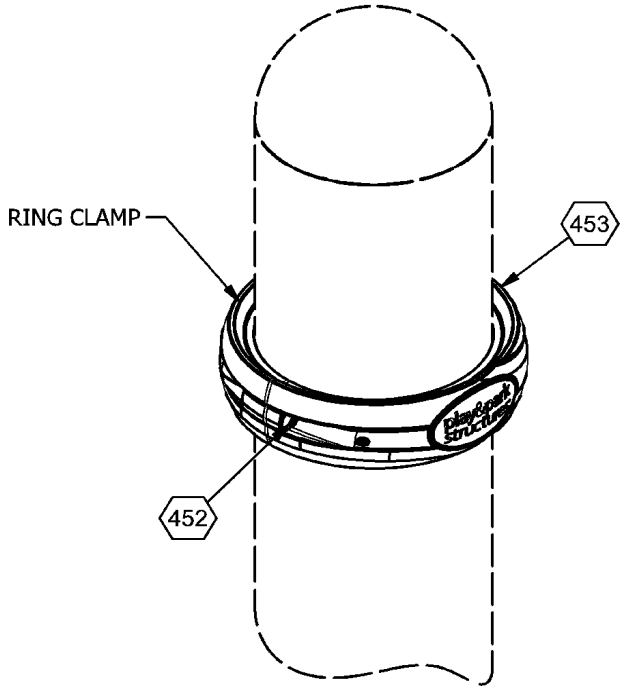
3. Install required components to the attaching to the Ring Clamp. See Top View and Seperate component installation sheets.

4. When structure is finished and satisfactory, tighten all fasteners and install Drive Rivets in all clamps to ensure clamps cannot slide down posts. A 1/4" diameter hole must be drilled into the clamp and upright to receive drive rivet. Use Pre-determined drill points on ring clamp. See Detail 453. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also 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 parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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

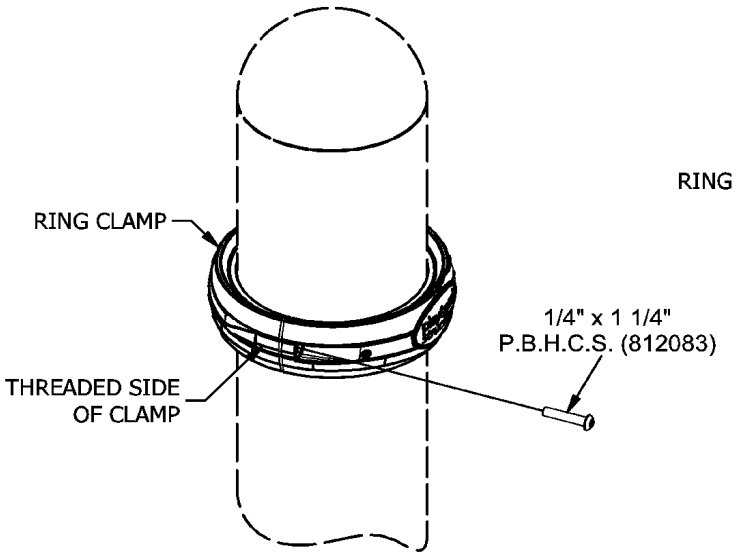
UPRIGHT AND CAP
SOLD SEPERATELY



FINISHED ASSEMBLY

⬡ = INSTALLATION DETAIL

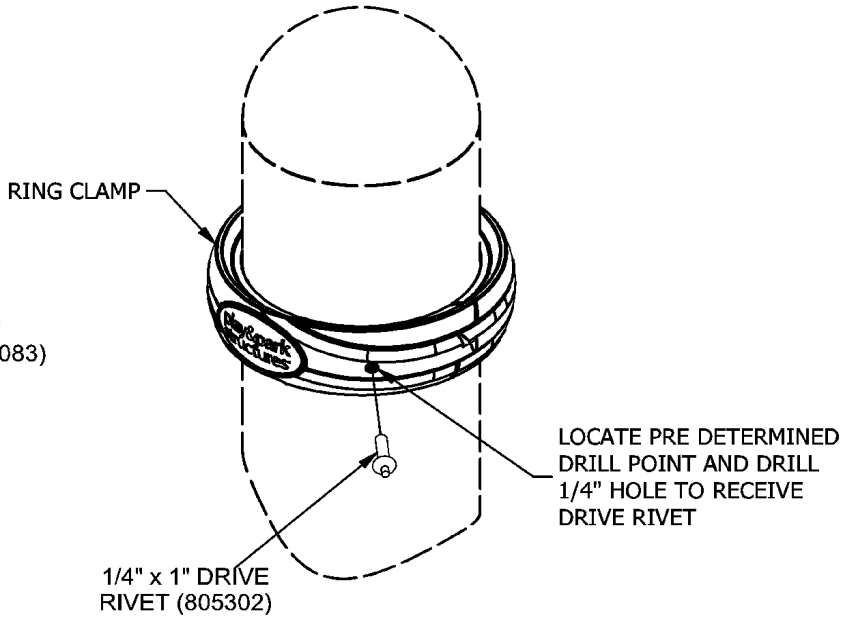
71031 RING CLAMP ASSEMBLY



NOTE: THE USE OF LOCTITE IS IMPORTANT.

IMPORTANT: ORIENTATION OF BOLT IS CRITICAL.

452



453

SuperMax Play Systems

Spiral Step Climber 71085 (2'-8"); 71086 (3'-4"); 71087 (4'-0"); 71088 (4'-8"); 71089 (5'-4"); 71090 (6'-0")

Parts List								
ITEM	DESCRIPTION	71085	71086	71087	71088	71089	71090	PART NUMBER
1	VERTICAL POLE BARRIER	1	1	1	1	1	1	309963
2	SPIRAL STEP CLIMBER	1	0	0	0	0	0	306051
2	SPIRAL STEP CLIMBER	0	1	0	0	0	0	306094
2	SPIRAL STEP CLIMBER	0	0	1	0	0	0	306099
2	SPIRAL STEP CLIMBER	0	0	0	1	0	0	306045
2	SPIRAL STEP CLIMBER	0	0	0	0	1	0	306121
2	SPIRAL STEP CLIMBER	0	0	0	0	0	1	306124
3	STEP CLIMBER PANEL	3	3	4	5	5	6	302245
4	PIPE ADAPTER	2	2	2	2	2	2	309915
	-----HARDWARE COMPLETE-----	1	1	0	0	0	0	310041
	-----HARDWARE COMPLETE-----	0	0	1	0	0	0	310042
	-----HARDWARE COMPLETE-----	0	0	0	1	1	0	310043
	-----HARDWARE COMPLETE-----	0	0	0	0	0	1	310044
	1/4" x 3/4" SET SCREW	4	4	4	4	4	4	811545
	3/8" x 1" P.B.H.C.S. w/PATCH	9	9	12	15	15	18	812050
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	1	1	1	1	1	1	812053
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812054
	3/8" FLAT WASHER	12	12	15	18	18	21	817410
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	4	4	4	4	817424
	3/8" LOCK WASHER	2	2	2	2	2	2	817334
	3/8" BARREL NUT	3	3	3	3	3	3	804804
	3/8" LOCK NUT	11	11	14	17	17	20	804353
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812052

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. Determine which deck is to receive the Spiral Step Climber, refer to your overhead drawing for location. Dig footings at location and depth as shown.

2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.

3. Place the tabs at the bottom of the Vertical Pole Barrier into the slots on the deck. Slip the Pipe Adapters onto the Vertical Pole Barrier attachment pipes, then move the Vertical Pole Barrier into position. Hook the Pipe Adapters onto the Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448. Connect Vertical Pole Barrier to Pipe Adapter using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washers and 3/8" Barrel Nuts as shown in Detail 448.

Spiral Step Climber 71085 (2'-8"); 71086 (3'-4"); 71087 (4'-0"); 71088 (4'-8"); 71089 (5'-4"); 71090 (6'-0")

4. Attach the tabs at the bottom of the Vertical Pole Barrier to the holes on the side of the deck using 3/8" x 3/4" P.B.H.C.S. with Patch and 3/8" Lock Nuts with 3/8" (1 1/4" O.D.) Flat Washers as shown in Detail 026. Make sure the Vertical Pole Barrier is plumb.

5. Place Spiral Step Climber into dug hole and insert the top reduced end into overhead extension pipe of the Vertical Pole Barrier and secure it with 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 066.

6. Attach Step Panels to Pole using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washers, and 3/8" Lock Nuts as shown in Detail 193.

7. When the Spiral Step Climber is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure at least 48 hours before use.

IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

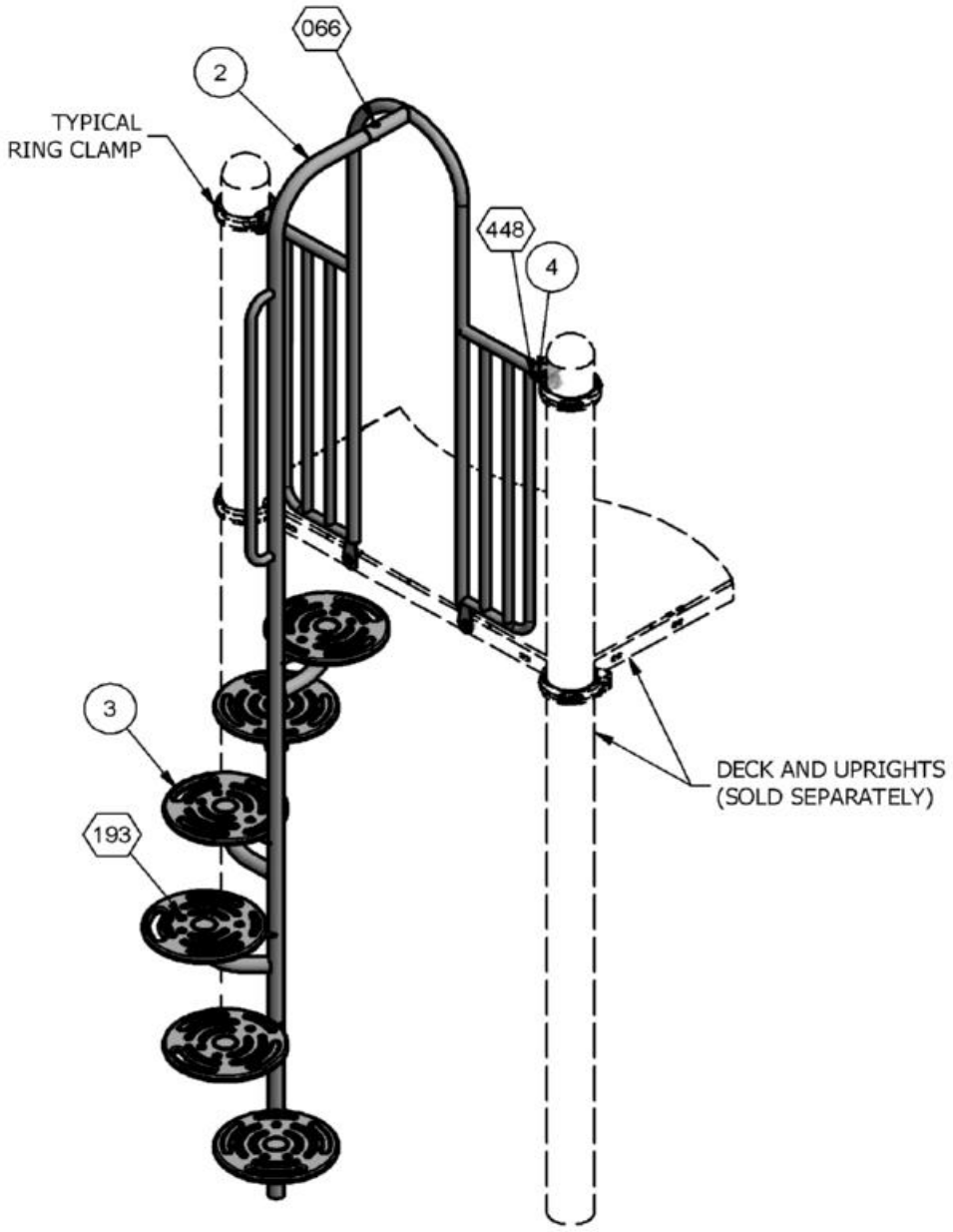
8. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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.*** Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

MAINTENANCE PROCEDURE:

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.

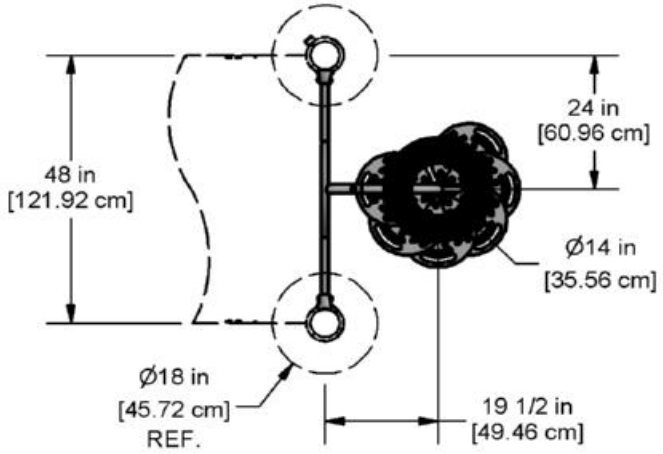
Spiral Step Climber 71085 (2'-8"); 71086 (3'-4"); 71087 (4'-0"); 71088 (4'-8"); 71089 (5'-4"); 71090 (6'-0")



FINISHED ASSEMBLY
71090 - 6'-0" SHOWN

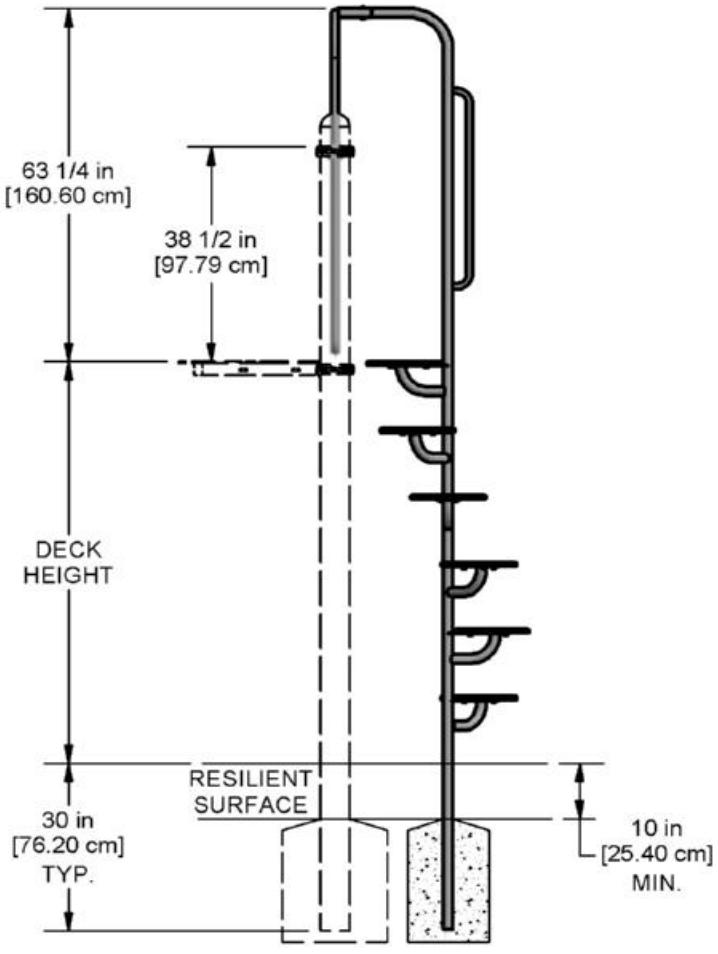
⬡ = INSTALLATION DETAIL

Spiral Step Climber 71085 (2'-8"); 71086 (3'-4"); 71087 (4'-0"); 71088 (4'-8"); 71089 (5'-4"); 71090 (6'-0")



PLAN VIEW

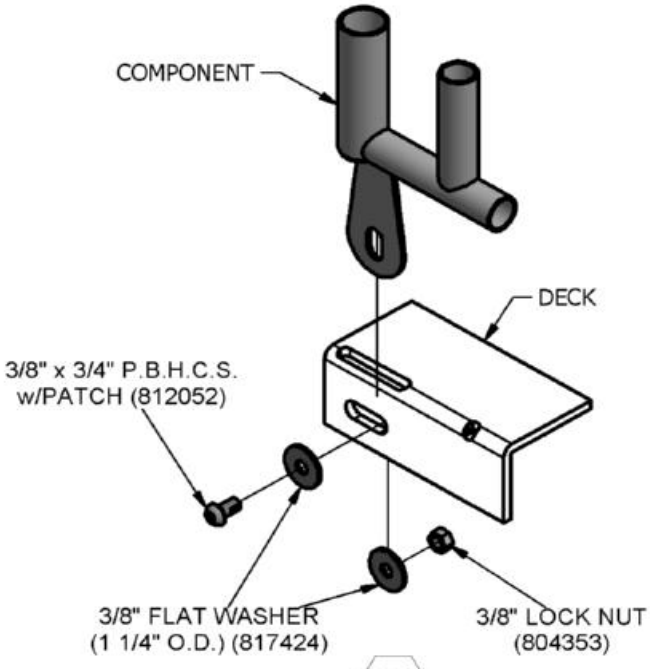
Deck Height Table	
Product	Deck Height
71085	2'-8"
71086	3'-4"
71087	4'-0"
71088	4'-8"
71089	5'-4"
71090	6'-0"



ELEVATION VIEW

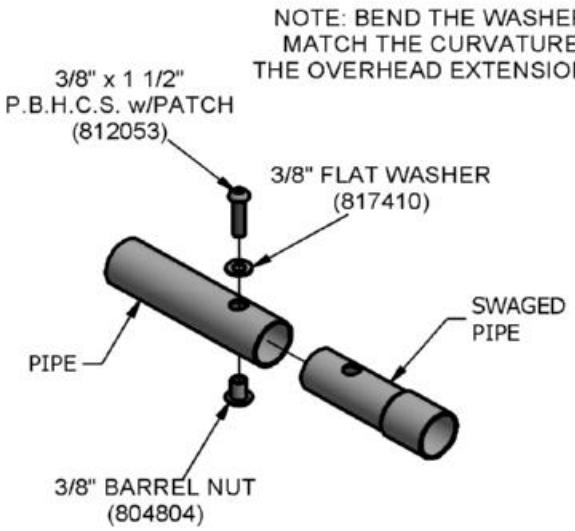
CONCRETE REQUIRED
0.07 CUBIC YARDS
[0.05 CUBIC METERS]

Spiral Step Climber 71085 (2'-8"); 71086 (3'-4"); 71087 (4'-0"); 71088 (4'-8"); 71089 (5'-4"); 71090 (6'-0")

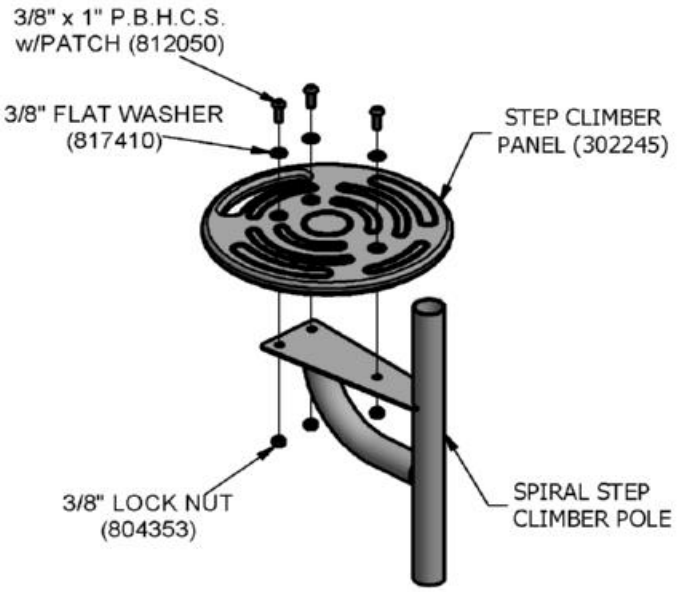


026

NOTE: BEND THE WASHER TO MATCH THE CURVATURE OF THE OVERHEAD EXTENSION PIPE

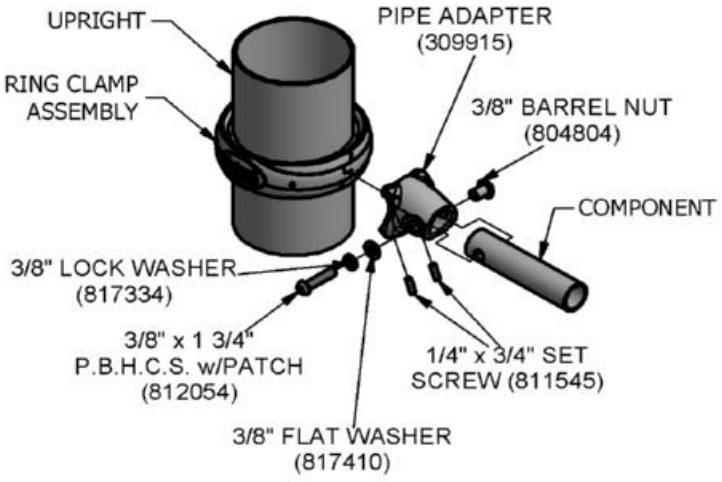


066



193

NOTE: PIPE ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS



448

SuperMax Play Systems

71119 Maxclimb Summit

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	OFFSET ENTRY ARCHWAY	1	310071
2	SMALL CLIMBING WALL	1	305757
3	SUPPORT TUBE	1	306326
4	SUPPORT PLATE	1	306574
5	CURVED SUPPORT TUBE	1	306267
6	SHORT CURVED PLATE SUPPORT	1	306244
7	PANEL ADAPTER	2	309919
8	PIPE ADAPTER	2	309915
	-----HARDWARE COMPLETE-----	1	310092
	1/4" x 3/4" SET SCREW	8	811545
	3/8" x 3/4" P.B.H.C.S. w/PATCH	3	812052
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	812054
	3/8" x 2" P.B.H.C.S. w/PATCH	7	812055
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	4	812057
	3/8" FLAT WASHER	8	817410
	3/8" FLAT WASHER (1 1/4" O.D.)	9	817424
	3/8" LOCK WASHER	2	817334
	3/8" BARREL NUT	16	804804
	3/8" LOCK NUT	1	804353

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.

71119 Maxclimb Summit

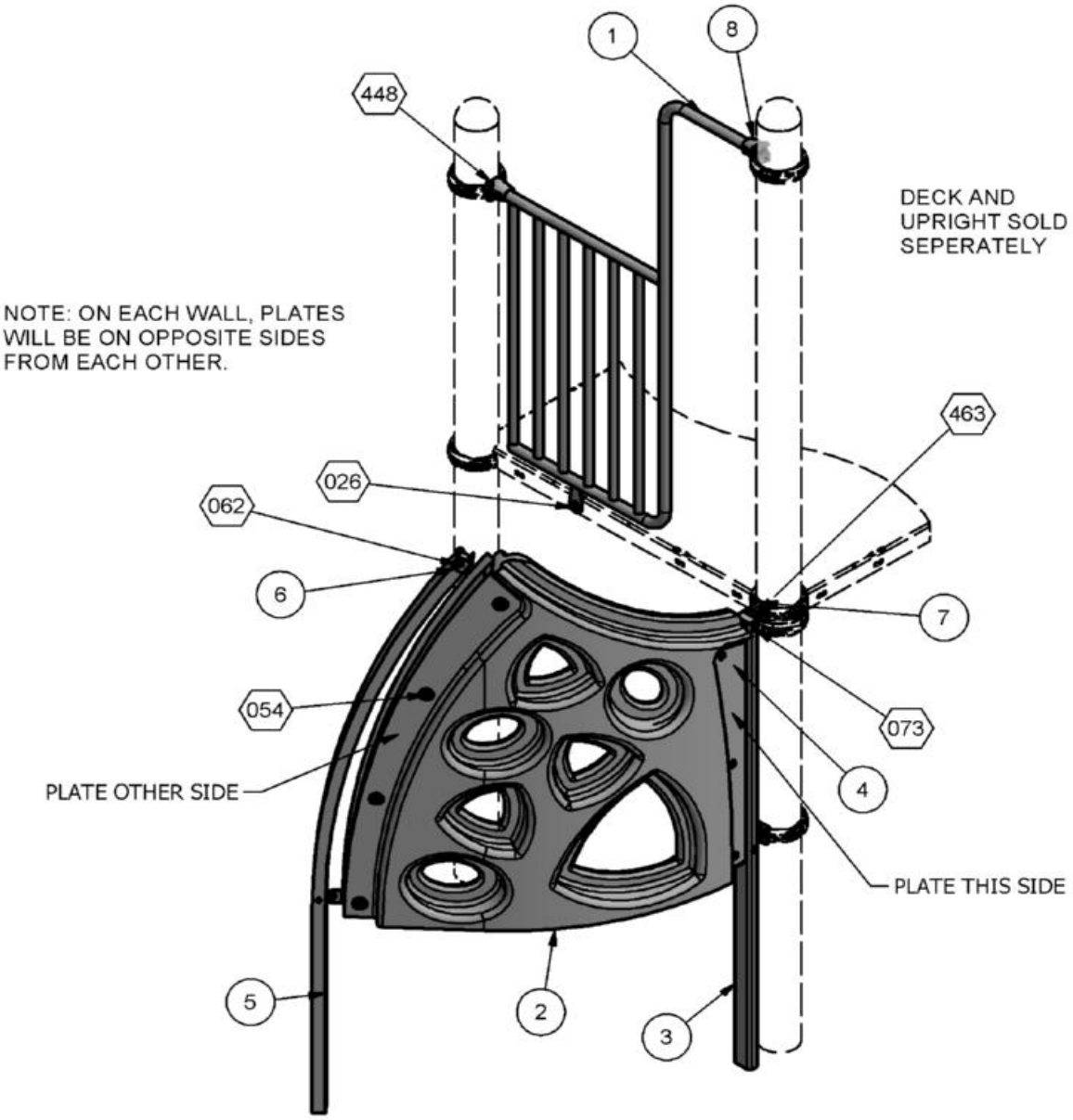
INSTALLATION INSTRUCTIONS:

1. Using a 7/16" drill bit, ream out any excess "Plastisol" coating from all holes used on the Deck. Be careful not to expose the steel.
2. Using Elevation View, locate and fasten two Ring Clamps to Upright Posts. See Ring Clamp Installation sheet.
3. Using Detail-448, attach Offset Archway to Upright Posts using Pipe Adapters.
4. Using Detail-026, attach Archway to front of deck using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 3/8" Flat Washer (1-1/4" O.D.), and 3/8" Lock Nut.
5. Using Elevation View, locate and fasten two Ring Clamps to Upright Posts. See Ring Clamp Installation Sheet.
6. Attach Straight Support Tube to Straight Support Plate using 3/8" x 2-1/2" P.B.H.C.S. w/Patch and 3/8" Barrel Nut as shown in Detail-073.
7. Begin with straight side using Detail-054. Attach Straight Support to Climbing Wall with 3/8" x 2" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1-1/4" O.D.), and 3/8" Barrel Nut.
8. Following Detail-062 Attach Curved Support Plate to Curved Support Tube with 3/8" x 2-1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut.
9. Attach Curved Support to Climbing Wall using Detail-054. Fasten with 3/8" x 2" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1-1/4" O.D.), and 3/8" Barrel Nut.
10. Attach straight side of assembled Climbing Wall to Ring Clamp using Detail-463.
11. Plumb and level the entire assembly and tighten all fasteners.
12. Pour concrete footings within 4" to the top and taper away from posts for water drainage. Allow footings to cure at least 48 hours before use.
13. When the structure is finished and satisfactory, install Drive Rivets in all Clamps to ensure Clamps cannot slide down posts. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts etc. It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them. 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. Check for rust or paint loss and touch-up if necessary with paint. Check welded areas and verify integrity. Check Plastisol-coating for bare spots and touch-up with Plastisol if necessary. Clear any trapped debris from deck perforations. 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.

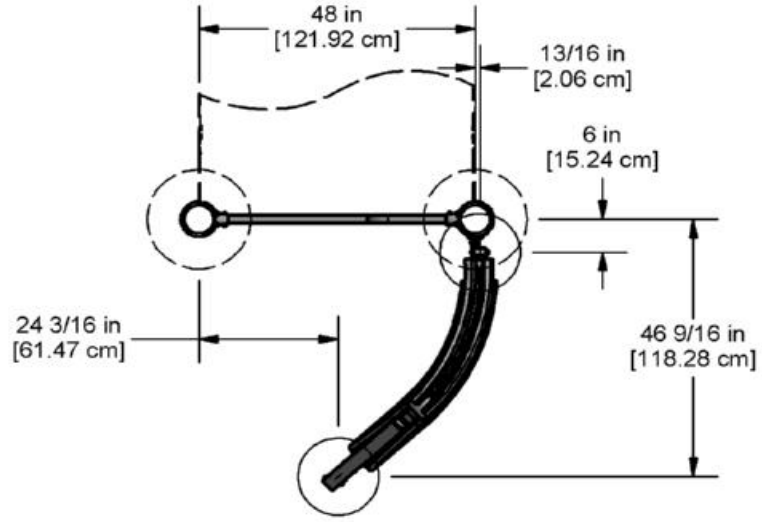
71119 Maxclimb Summit



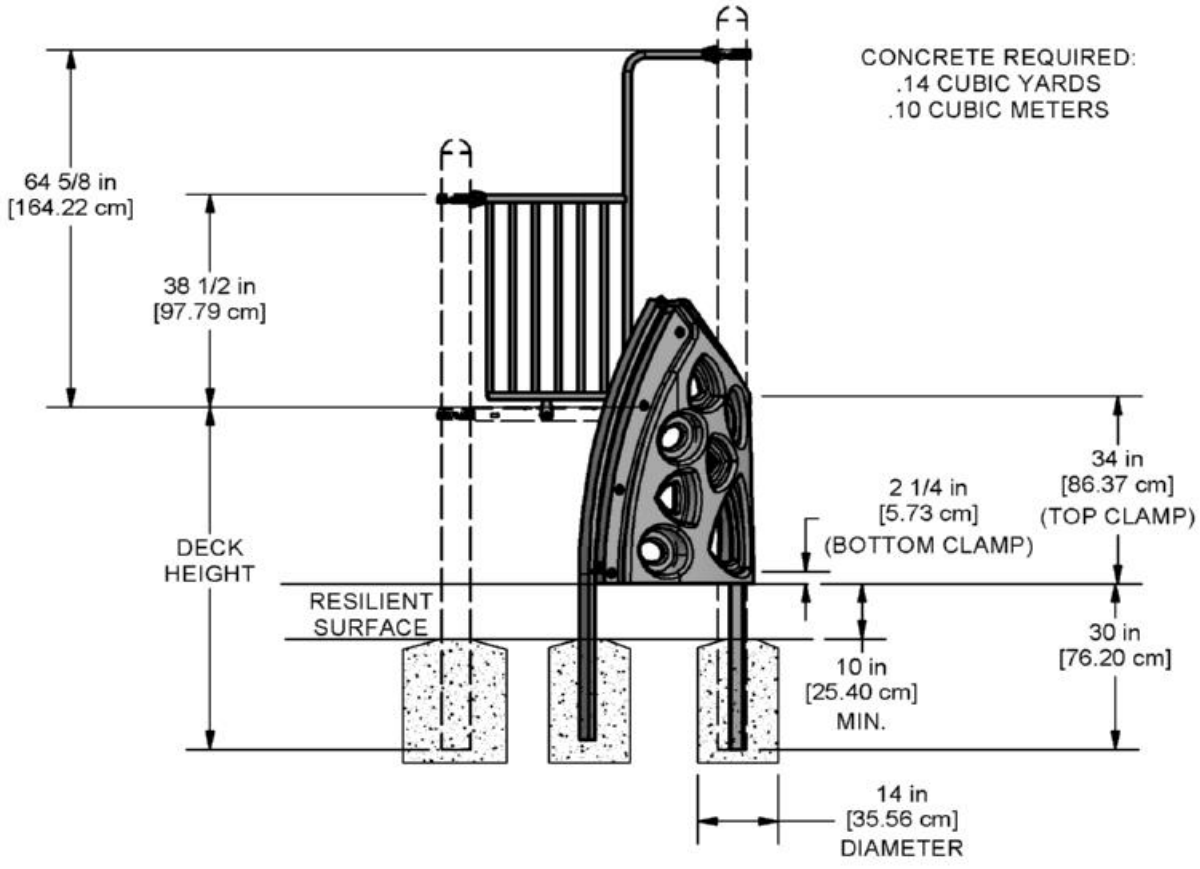
FINISHED ASSEMBLY

⬡ = INSTALLATION DETAIL

71119 Maxclimb Summit

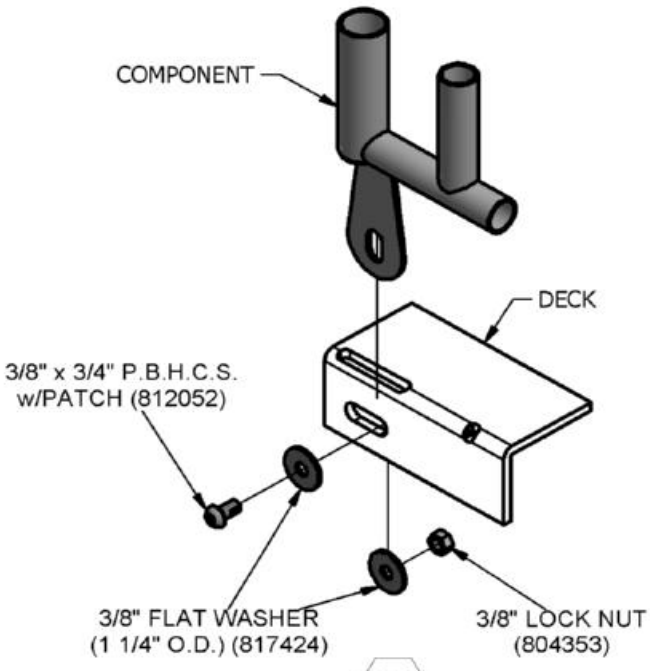


PLAN VIEW

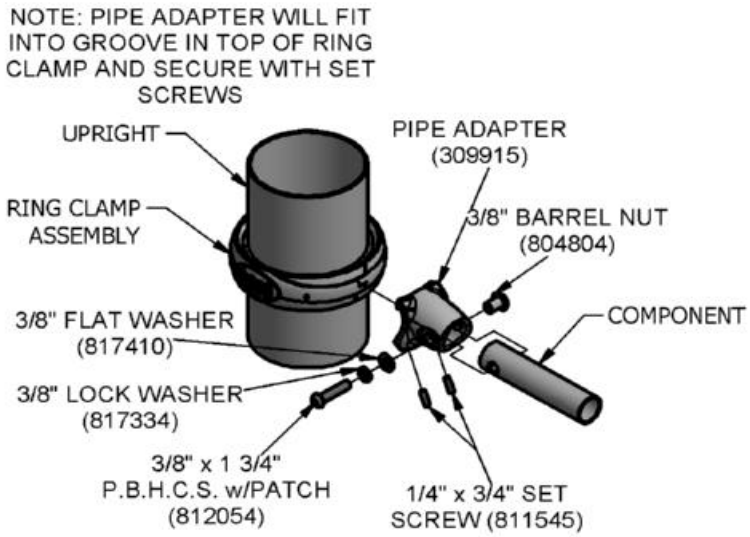


ELEVATION VIEW

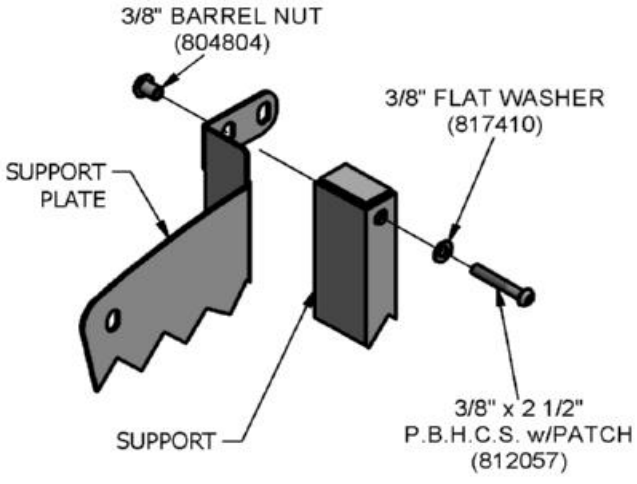
71119 Maxclimb Summit



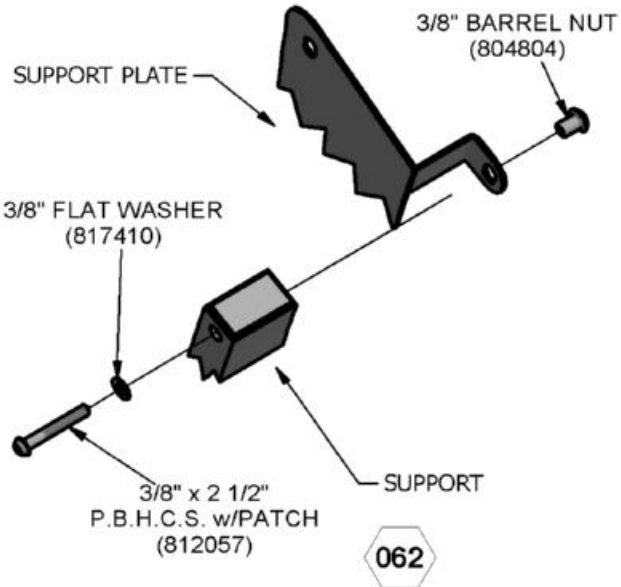
026



448

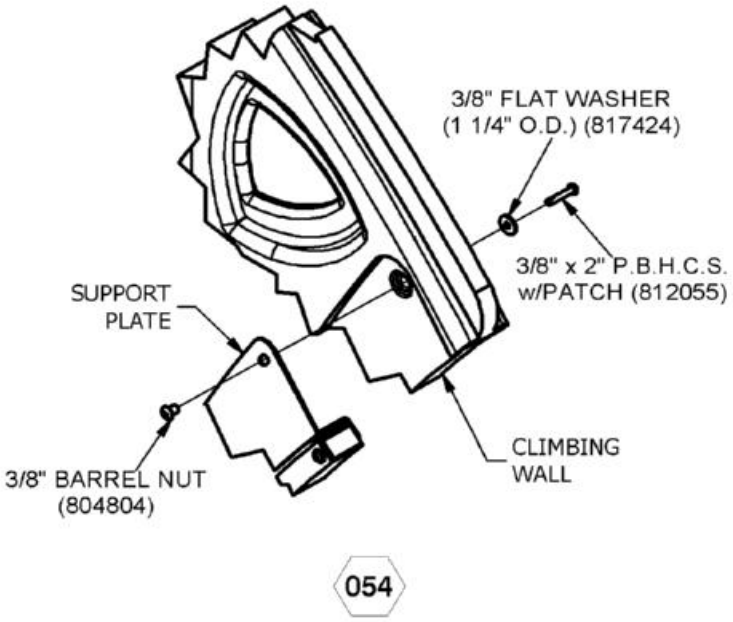


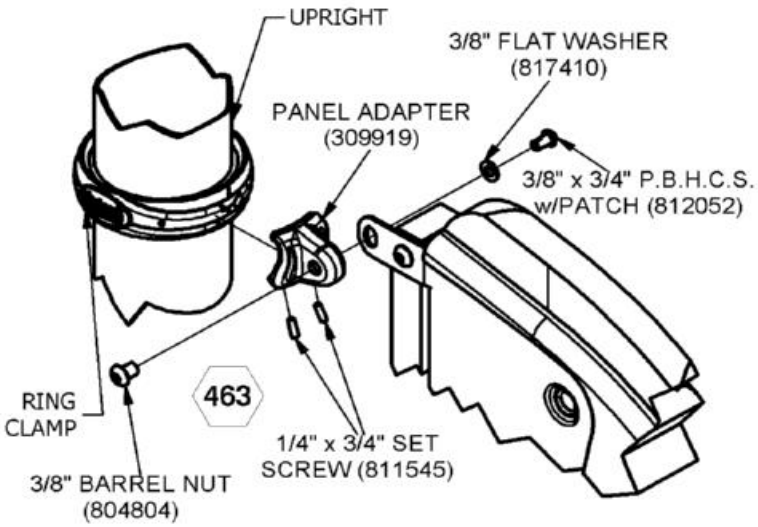
073



062

71119 Maxclimb Summit





SuperMax Play Systems

6' Horizontal Ladder - Attachment
71188 (0'-8", 1'-0" & 1'-4"); 71189 (2'-0"); 71190 (2'-8")

Parts List					
ITEM	DESCRIPTION	71188	71189	71190	PART NUMBER
1	6' HORIZONTAL LADDER	1	1	1	306416
2	VERTICAL LADDER	1	0	0	310117
2	VERTICAL LADDER	0	1	0	310120
2	VERTICAL LADDER	0	0	1	310123
3	PIPE ADAPTER	2	2	2	309915
4	RING HALF CLAMP	8	8	8	309913
	------HARDWARE COMPLETE------	1	1	1	310185
	1/4" x 1" DRIVE RIVET	8	8	8	805302
	1/4" x 3/4" SET SCREW	4	4	4	811545
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	16	16	16	812051
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	2	812054
	3/8" FLAT WASHER	18	18	18	817410
	3/8" FLAT WASHER (1 1/4" O.D.)	32	32	32	817424
	3/8" LOCK WASHER	2	2	2	817334
	3/8" BARREL NUT	2	2	2	804804
	3/8" HEAVY HEX NUT	16	16	16	804200

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. Determine which four uprights are to receive the 6' Horizontal Ladder. Refer to your Top View drawing for location. Dig footings at location and depth as shown.

2. Mark positions of Ring Clamps and Ring Half Clamps on the Upright Posts at desired height. Maximum clamp height over the deck should be 45 1/2". HORIZONTAL LADDER SHOULD NOT BE ATTACHED TO ANY DECK WHICH IS HIGHER THAN 32" FOR 5-12 YEARS-OLD OR 16" FOR 2-5 YEARS-OLD.

3. Loosely attach all Ring Clamps to the uprights. Refer to the seperate Ring Clamp Installation sheet.

4. To attach the Vertical Ladder: Slip Pipe Adapters over Vertical Ladder attachment pipes, then, placing Vertical Ladder legs into dug holes, hook Pipe Adapters onto Ring Clamps. Attach using 1/4" x 3/4" Set Screws as shown in Detail 448. Attach Pipe Adapter to Vertical Ladder using 3/8" x 1-3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" Barrel Nut as shown in Detail 448. Note: For 0'-8" & 1'-0" deck heights use 1'-4" Vertical Ladder, cut 8" off of legs for 0'-8" deck height and cut 4" off legs for 1'-0" deck height.

5. To attach the Horizontal Ladder: With sufficient manpower, lift the Horizontal Ladder into position and attach to Upright Posts using Ring Half Clamps, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 3/8" Flat Washer (1 1/4" O.D.) and 3/8" Heavy Hex Nut as shown in Detail 475. Provide vertical support to prevent the Ring Clamps from sliding down the upright posts.

6' Horizontal Ladder - Attachment
71188 (0'-8", 1'-0" & 1'-4"); 71189 (2'-0"); 71190 (2'-8")

6. When the entire assembly is plumb and level, tighten all fasteners. Pour concrete footings within 4" of the top and taper away from posts for water drainage. Allow to cure at least 48 hours before use.

IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

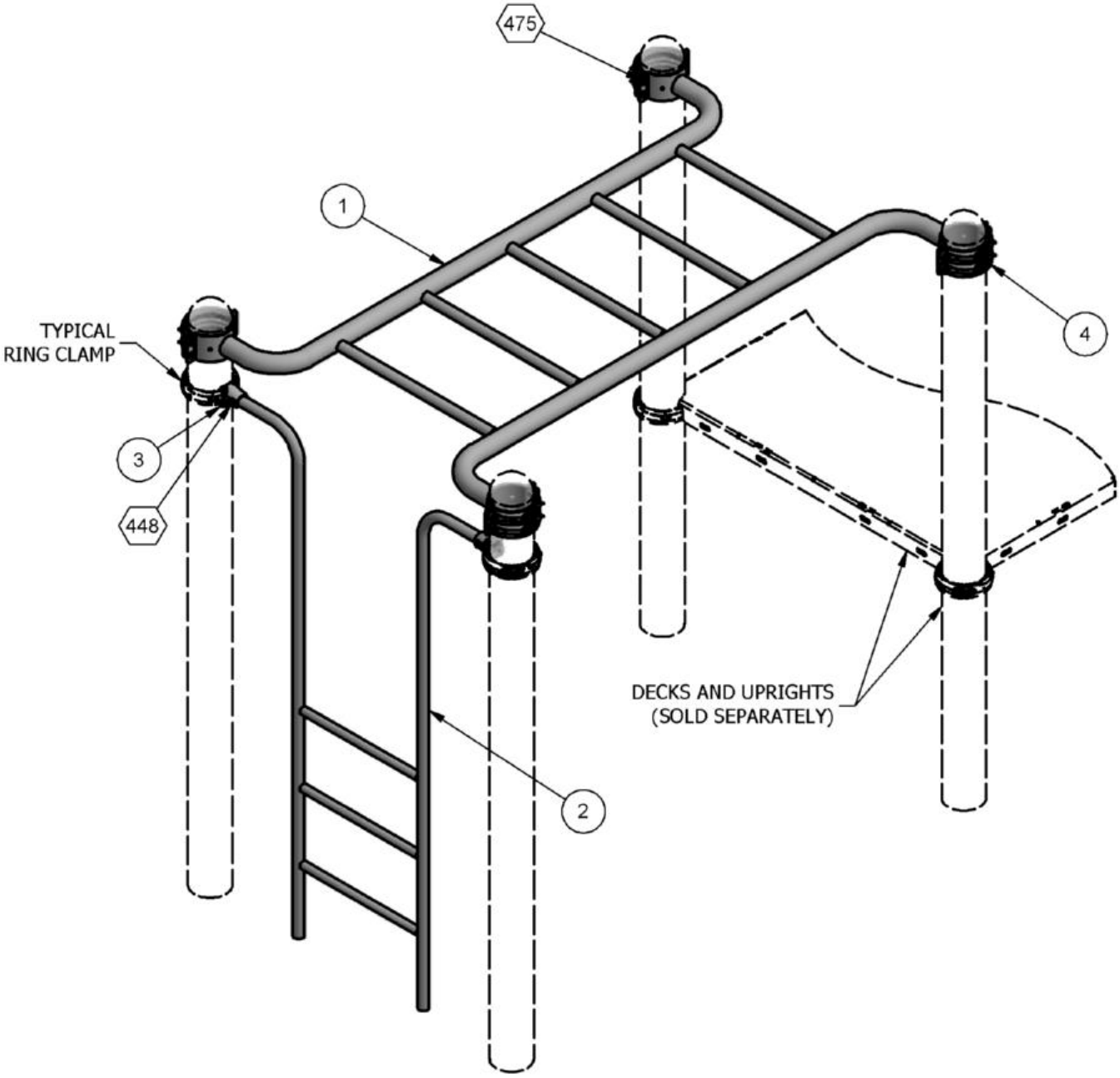
7. When structure is finished and satisfactory, tighten all fastener and install Drive Rivets in all clamps to ensure clamps cannot slide down the posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Also, 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.

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

MAINTENANCE PROCEDURE:

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.

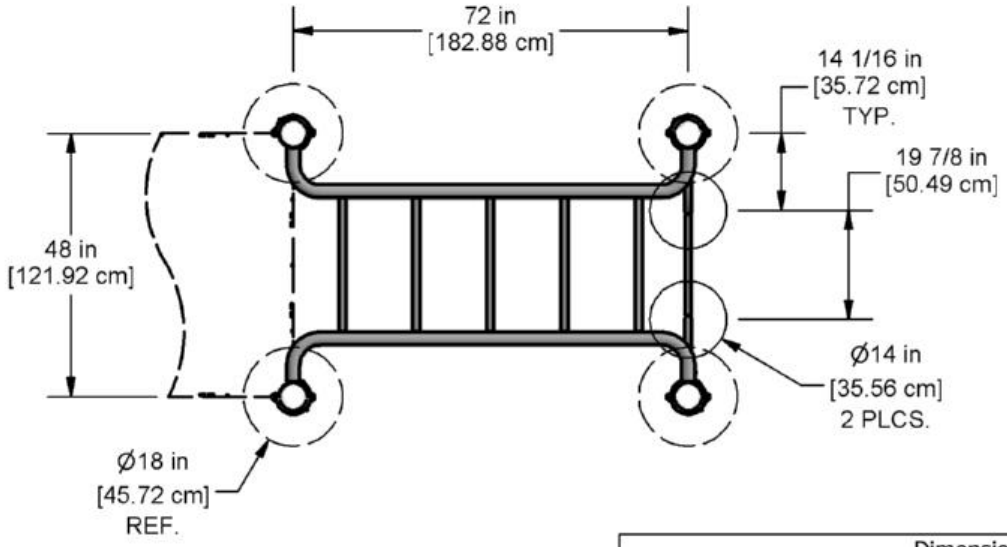
6' Horizontal Ladder - Attachment
71188 (0'-8", 1'-0" & 1'-4"); 71189 (2'-0"); 71190 (2'-8")



FINISHED ASSEMBLY
71190 SHOWN

⬡ = INSTALLATION DETAIL

6' Horizontal Ladder - Attachment
71188 (0'-8", 1'-0" & 1'-4"); 71189 (2'-0"); 71190 (2'-8")

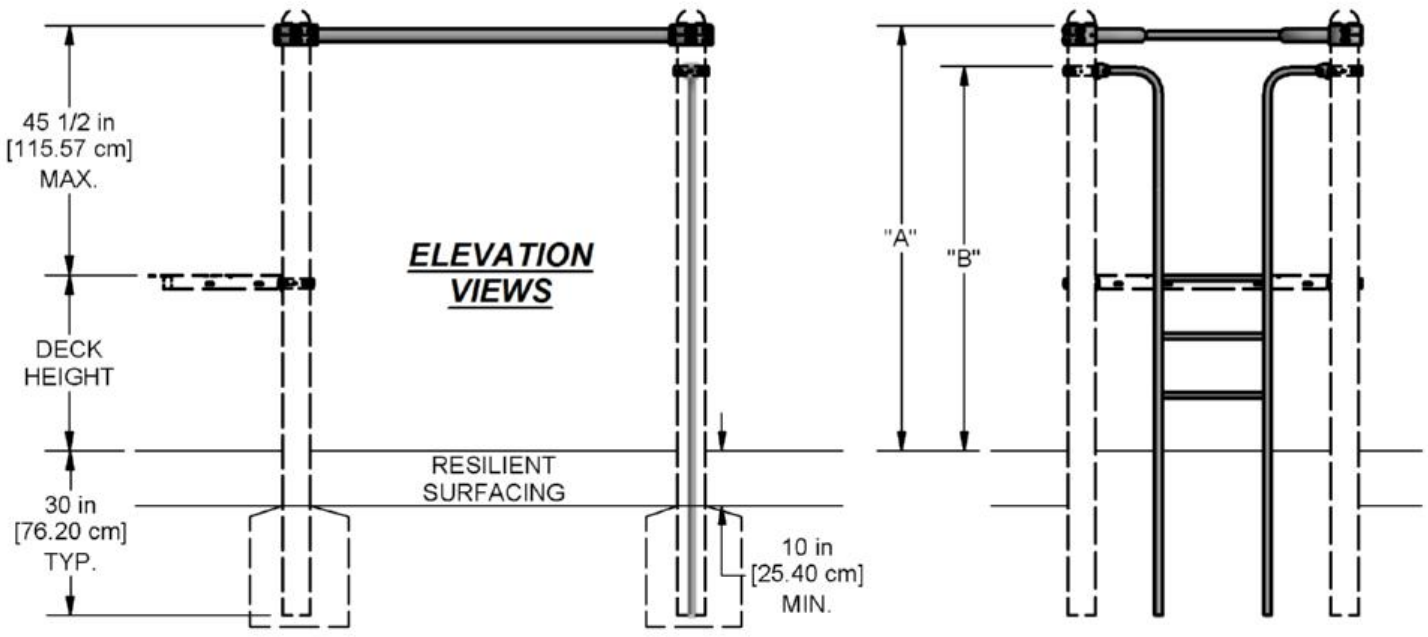


PLAN VIEW

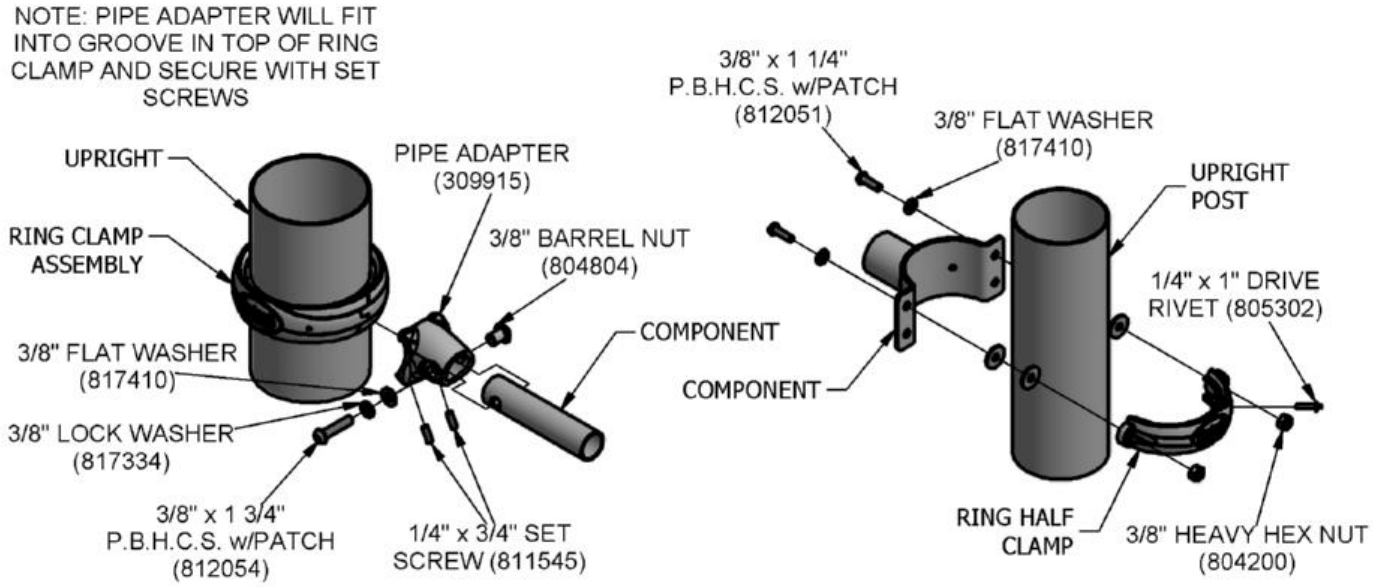
CONCRETE REQUIRED
0.14 CUBIC YARDS
[0.10 CUBIC METERS]

NOTE: If overhead component is to be installed at an 0'-8" or 1'-0" deck height, use 1'-4" Vertical Ladder and cut 8" off legs for 0'-8" deck or cut 4" off legs for 1'-0" deck.

Dimension Table			
Product	Deck Height	Dim "A"	Dim "B"
71188	0'-8"	53 1/2" [135.89cm]	46 1/16" [117.04cm]
71188	1'-0"	57 1/2" [146.05cm]	50 1/16" [127.20cm]
71188	1'-4"	61 1/2" [156.21cm]	54 1/16" [137.36cm]
71189	2'-0"	69 1/2" [176.53cm]	62 1/16" [157.68cm]
71190	2'-8"	77 1/2" [196.85cm]	70 1/16" [178.03cm]



6' Horizontal Ladder - Attachment
71188 (0'-8", 1'-0" & 1'-4"); 71189 (2'-0"); 71190 (2'-8")



448

475

SuperMax Play Systems

71317 Single U-Handle

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	U-HANDLE ASSEMBLY	1	310446
2	RING HALF CLAMP	2	309913
	-----HARDWARE COMPLETE-----	1	312231
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051
	3/8" FLAT WASHER	4	817410
	3/8" HEAVY HEX NUT	4	804200
	3/8" FLAT WASHER (1 1/4" O.D.)	8	817424
	1/4" x 1" DRIVE RIVET	2	805302

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. Determine which deck to receive the U-Handle Assembly. Refer to your Top View drawing for location.

2. Mark position of Clamp on the Upright Post. See Elevation View.

3. Attach U-Handle Assembly to Upright Post using Ring Half Clamp, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 3/8" Flat Washer (1 1/4" O.D.) and 3/8" Heavy Hex Nut as shown in Detail 475.

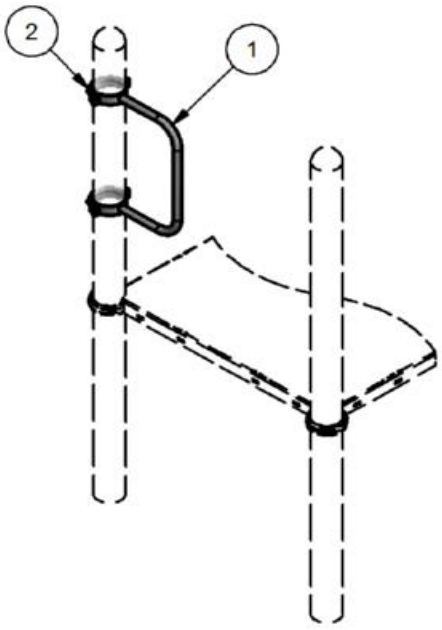
4. Plumb and level the U-Handle, then tighten all fasteners.

5. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

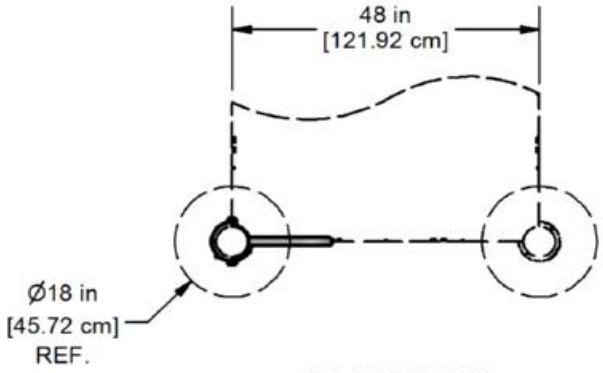
MAINTENANCE PROCEDURE:

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. Check for rust or paint loss and touch-up if necessary with paint. Check welded areas and verify integrity. Check Plastisol-coating for bare spots and touch-up with Plastisol if necessary. Clear any trapped debris from deck perforations. 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.

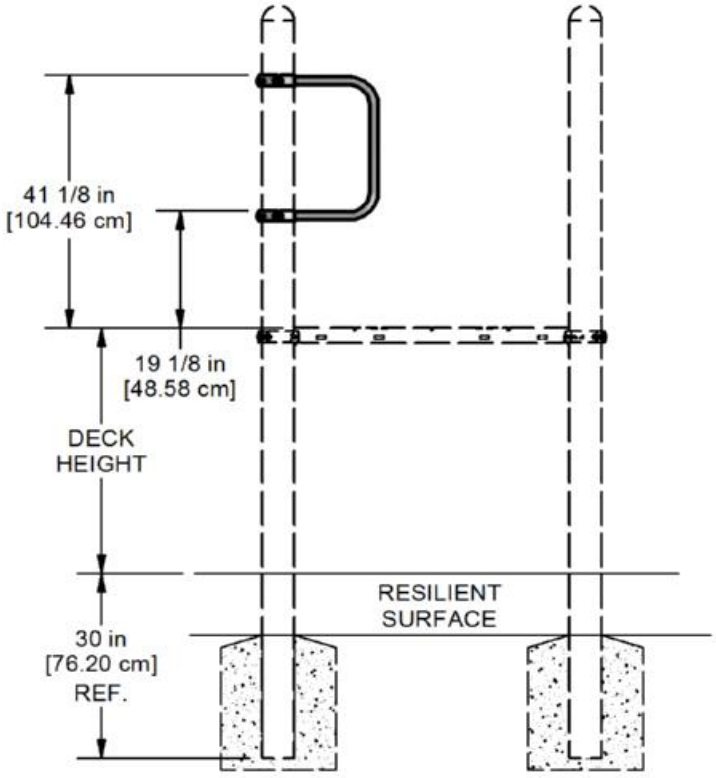
71317 Single U-Handle



DECKS AND UPRIGHTS
(SOLD SEPERATELY)



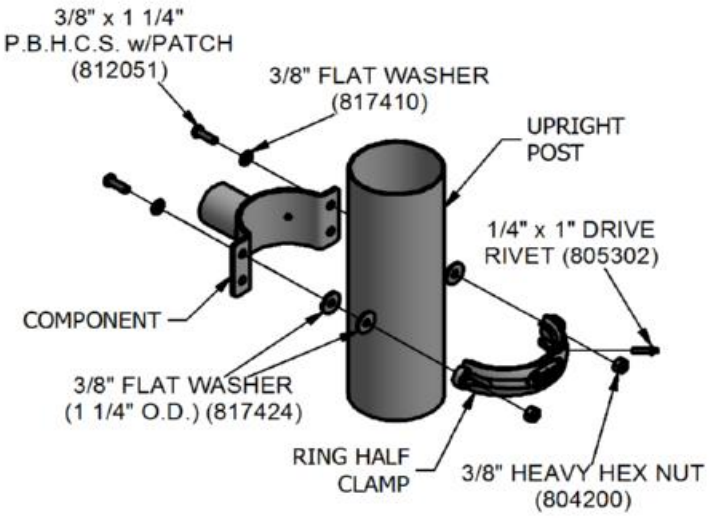
PLAN VIEW



ELEVATION VIEW

⬡ = INSTALLATION DETAIL

71317 Single U-Handle



475

71338 Hand Pedaler

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	HAND PEDALER ASSEMBLY	1	308375
2	RING HALF CLAMP	2	309913
	-----HARDWARE COMPLETE-----	1	310570
	1/4" x 1" DRIVE RIVET	2	805302
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051
	3/8" FLAT WASHER	4	817410
	3/8" FLAT WASHER (1 1/4" O.D.)	8	817424
	3/8" HEAVY HEX NUT	4	804200

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. Select the appropriate Upright Post to receive the Hand Pedaler. Refer to your overhead drawing for location.

2. Mark position of Clamps on the Upright Post. See Elevation Views.

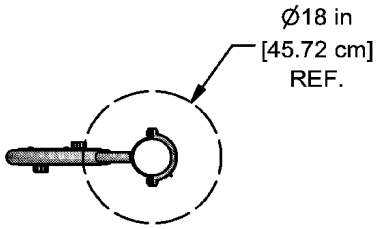
3. Attach Hand Pedaler to Upright Post using Ring Half Clamp, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 3/8" Flat Washer (1 1/4" O.D.) and 3/8" Heavy Hex Nut as shown in Detail 475.

4. When structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also 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*.

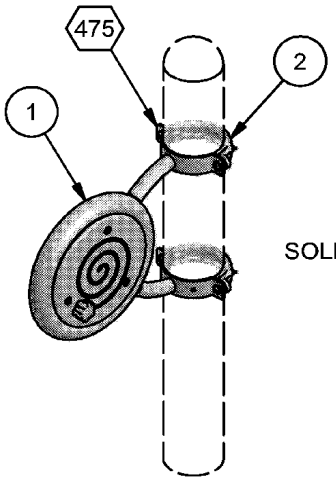
MAINTENANCE PROCEDURE:

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.

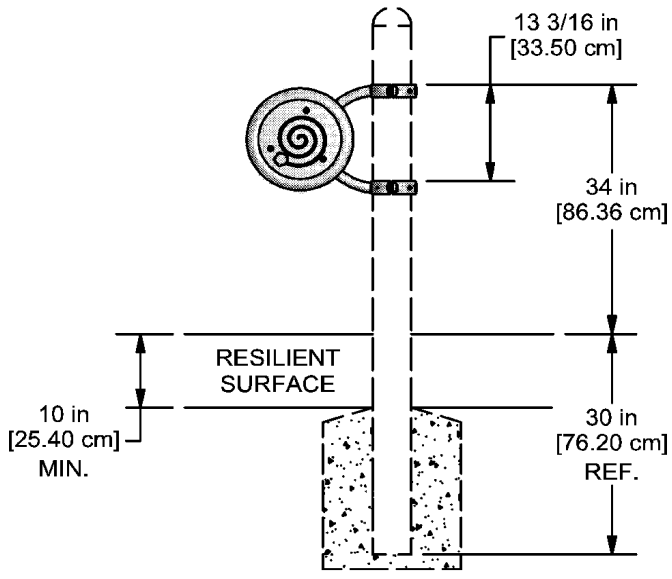
71338 Hand Pedaler



PLAN VIEW

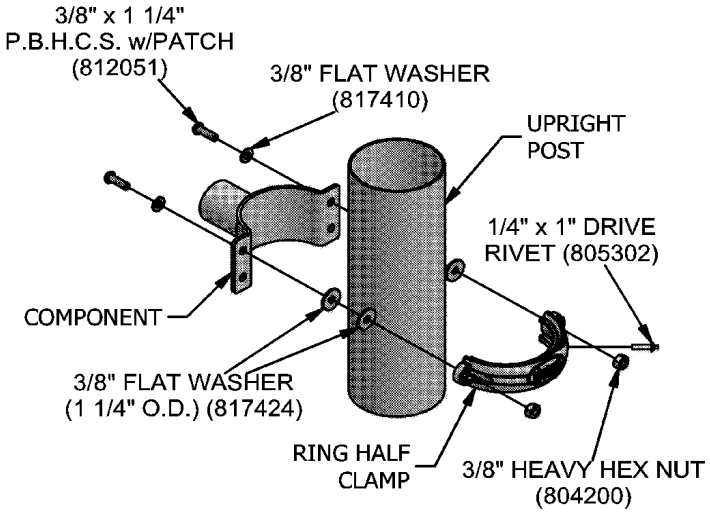


FINISHED ASSEMBLY



ELEVATION VIEW

71338 Hand Pedaler



475

SuperMax Play Systems

71344 Rain Wheel

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	RAIN WHEEL ASSEMBLY	1	308122
2	RING HALF CLAMP	2	309913
	-----HARDWARE COMPLETE-----	1	310570
	1/4" x 1" DRIVE RIVET	2	805302
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051
	3/8" FLAT WASHER	4	817410
	3/8" FLAT WASHER (1 1/4" O.D.)	8	817424
	3/8" HEAVY HEX NUT	4	804200

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. Select the appropriate Upright Post to receive the Rain Wheel. Refer to your overhead drawing for location.

2. Mark position of Clamps on the Upright Post. See Elevation Views.

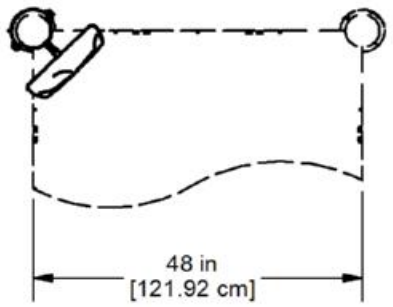
3. Attach Rain Wheel to Upright Post using Ring Half Clamp, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 3/8" Flat Washer (1 1/4" O.D.) and 3/8" Heavy Hex Nut as shown in Detail 475.

4. When structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also 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*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

MAINTENANCE PROCEDURE:

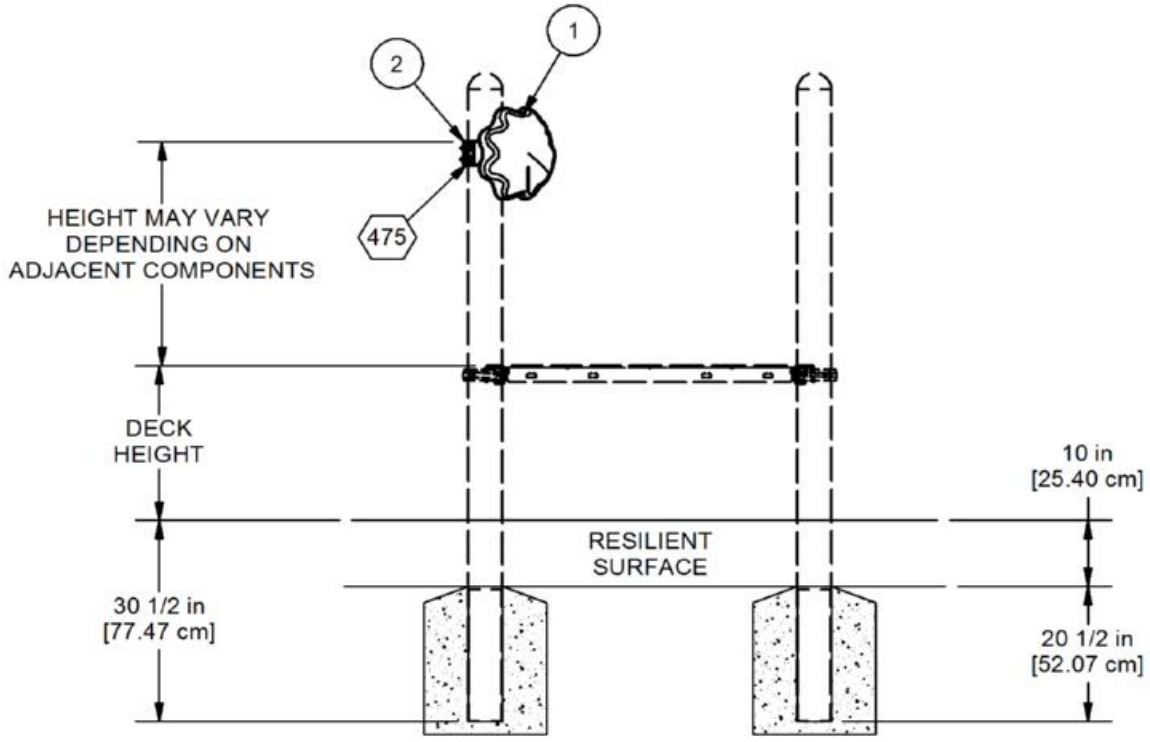
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71344 Rain Wheel



NOTE: PLACEMENT OF RAIN WHEEL MAY VERY WHEN USED AT GROUND LEVEL. ADJACENT COMPONENTS WILL DETERMINE THE POSITION OF RAIN WHEEL.

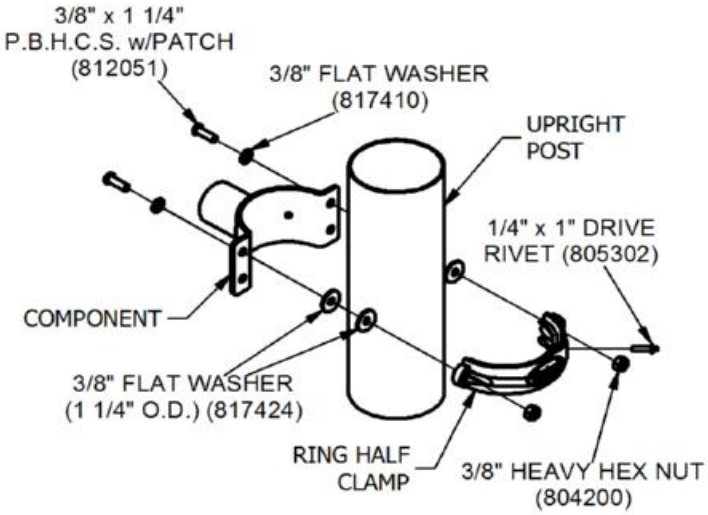
PLAN VIEW



= INSTALLATION DETAIL

ELEVATION VIEW

71344 Rain Wheel



475

SuperMax Play Systems

71348 Seat for Two and Table

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	SEAT SUPPORT BEAM	1	302373
2	TABLE SUPPORT POST	1	302378
3	SEAT PANEL	1	302366
4	22" ROUND TABLE PANEL	1	302361
5	RING HALF CLAMP	2	309913
	-----HARDWARE COMPLETE-----	1	310580
	1/4" x 1" DRIVE RIVET	2	805302
	3/8" x 3/4" P.B.H.C.S. w/PATCH	8	812052
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051
	3/8" FLAT WASHER	12	817410
	3/8" FLAT WASHER (1 1/4" O.D.)	8	817424
	3/8" BARREL NUT	8	804804
	3/8" HEAVY HEX NUT	4	804200

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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. Determine which uprights are to receive the Seat for Two and Table, refer to your overhead drawing for location. Dig footings at location and depth as shown.

2. Attach Seat Support Beam to Seat Panel using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers, and 3/8" Barrel Nuts as shown in Detail 517. Note: Counterbore holes are to be turned upwards to receive Barrel Nuts.

3. Fasten Seat Assembly to Upright Posts using Ring Half Clamps, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Heavy Hex Nuts as shown in Detail 475.

4. Attach Table Support Post to Table Panel using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers, and 3/8" Barrel Nuts as shown in Detail 517. Note: Counterbore holes are to be turned upwards to receive Barrel Nuts.

5. Place Table Support Post in dug hole, bracing it in the vertical position.

6. When the entire assembly is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure at least 48 hours before use.

IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

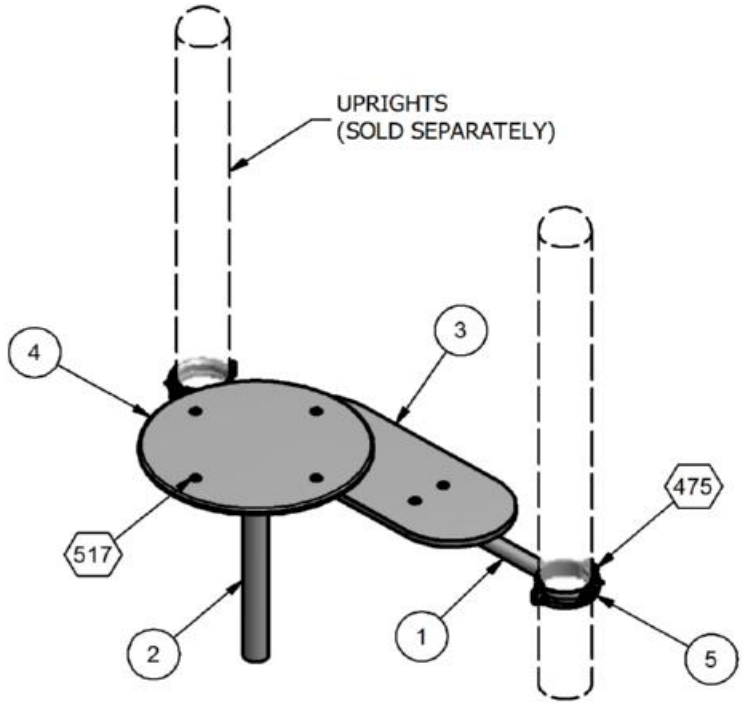
71348 Seat for Two and Table

7. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

MAINTENANCE PROCEDURE:

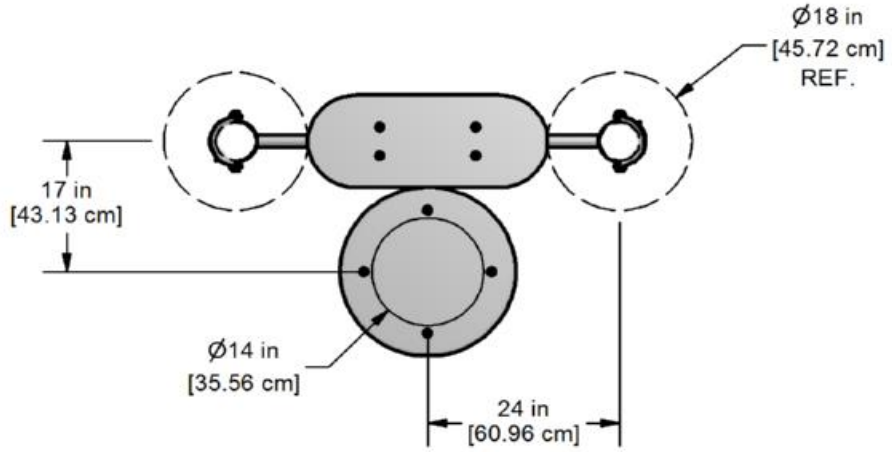
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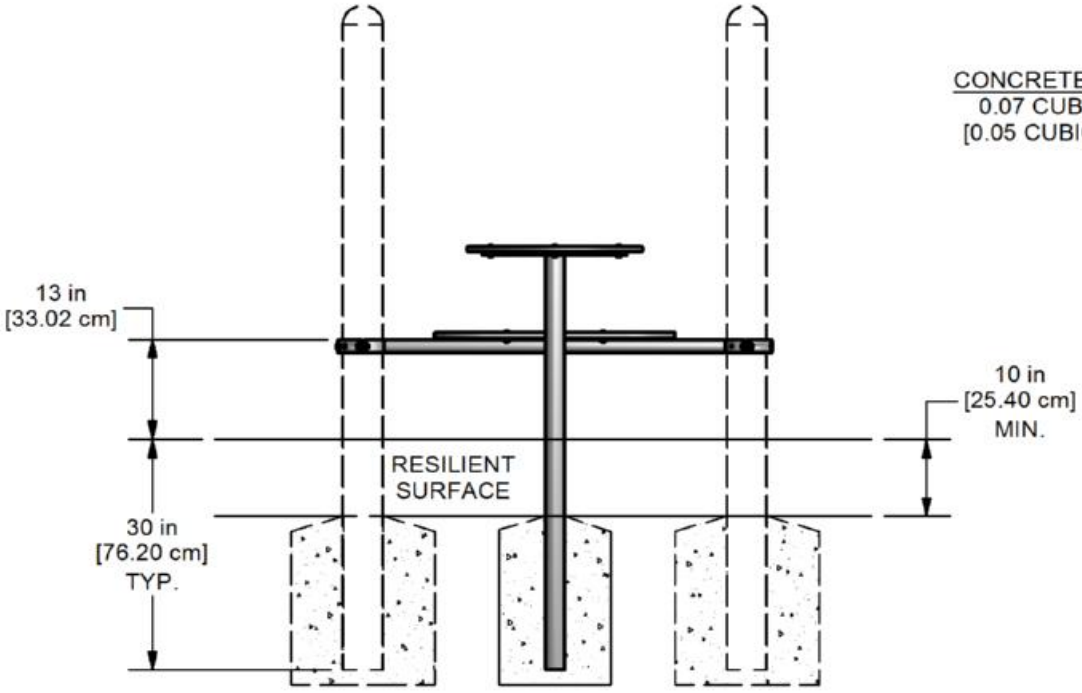
= INSTALLATION DETAIL

FINISHED ASSEMBLY

71348 Seat for Two and Table

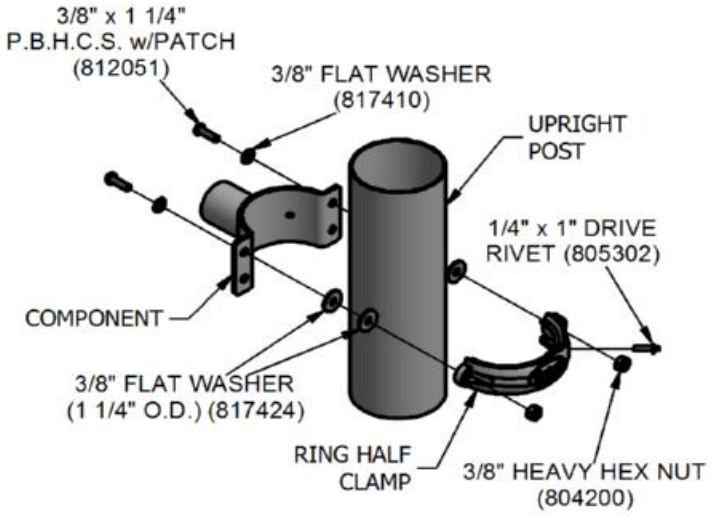


PLAN VIEW

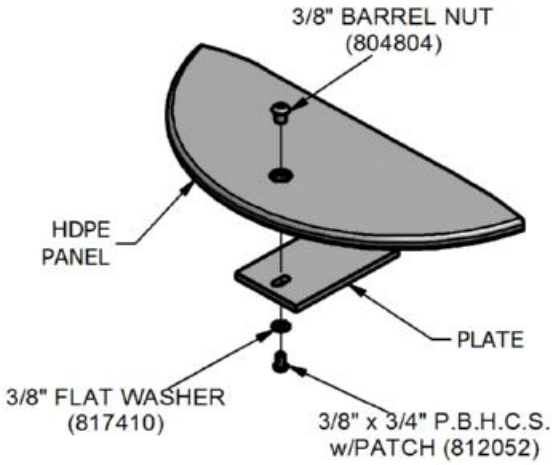


ELEVATION VIEW

71348 Seat for Two and Table



475



517

SuperMax Play Systems

71372 Store Panel

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	TABLE PANEL	1	310632
2	COUNTER PANEL	1	301371
3	PANEL ADAPTER	4	309919
	90° ANGLE BRACKET	4	302334
	-----HARDWARE COMPLETE-----	1	310671
	1/4" x 3/4" SET SCREW	8	811545
	3/8" x 3/4" CARRIAGE BOLT	8	800252
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	4	812053
	3/8" FLAT WASHER	4	817410
	3/8" BARREL NUT	12	804804

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

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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. Determine which deck is to receive the Store Panel, refer to your overhead drawing for location.

2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.

3. Hook the Panel Adapters onto the Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 467.

4. Attach Counter Panel to the Table Panel using Angle Brackets, 3/8" x 3/4" Carriage Bolts, and 3/8" Barrel Nuts as shown in Detail 519.

5. Connect Table Panel to Panel Adapter using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washers and 3/8" Barrel Nuts as shown in Detail 467.

6. When the entire assembly is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure at least 48 hours before use.

IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

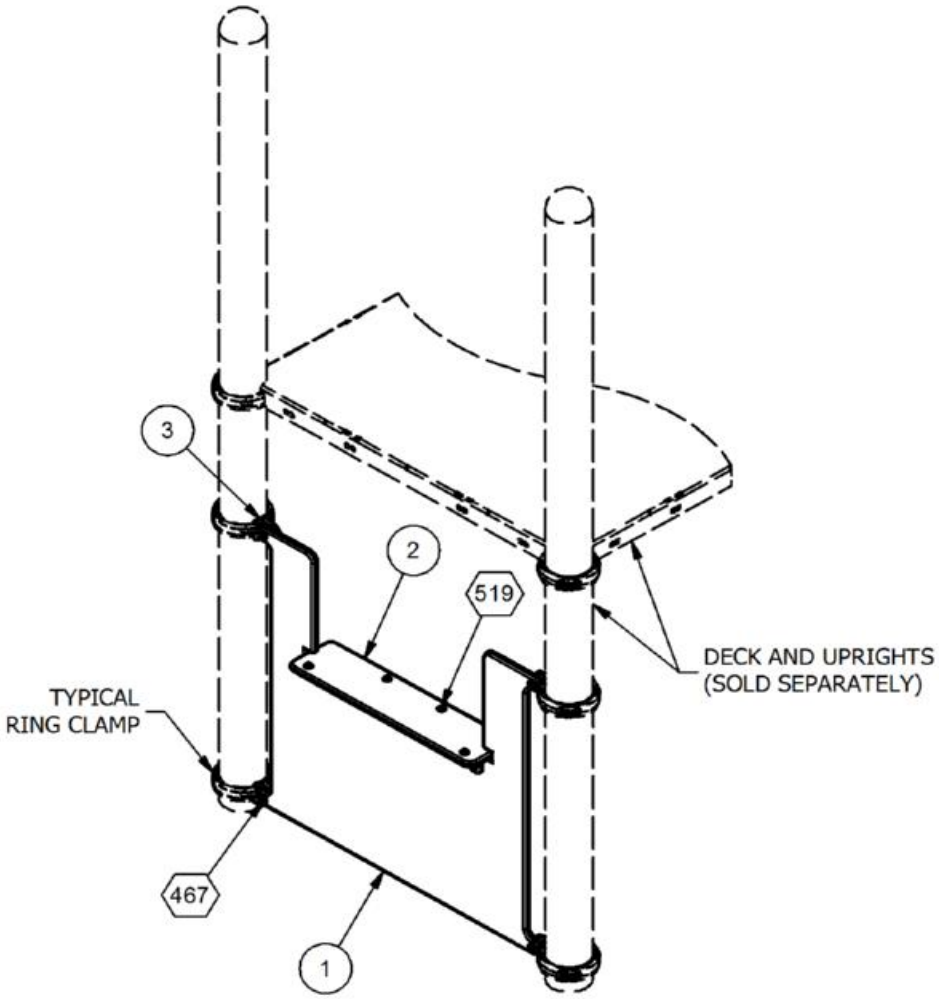
7. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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.* Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

71372 Store Panel

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

MAINTENANCE PROCEDURE:

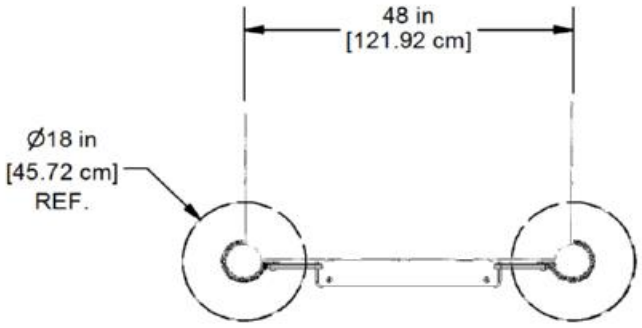
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.



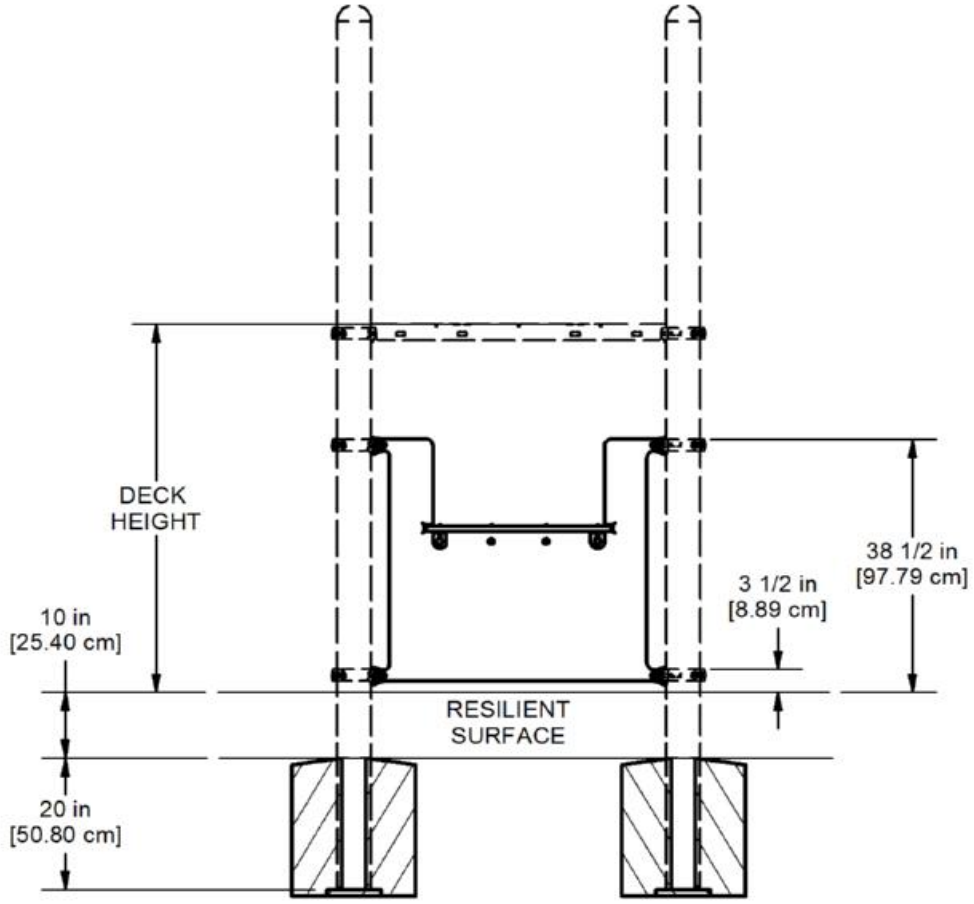
⬡ = INSTALLATION DETAIL

FINISHED ASSEMBLY

71372 Store Panel



PLAN VIEW

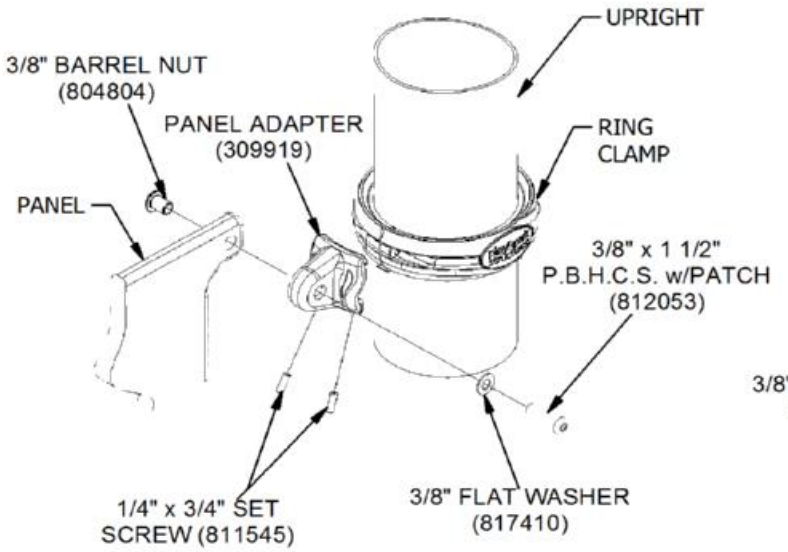


ELEVATION VIEW

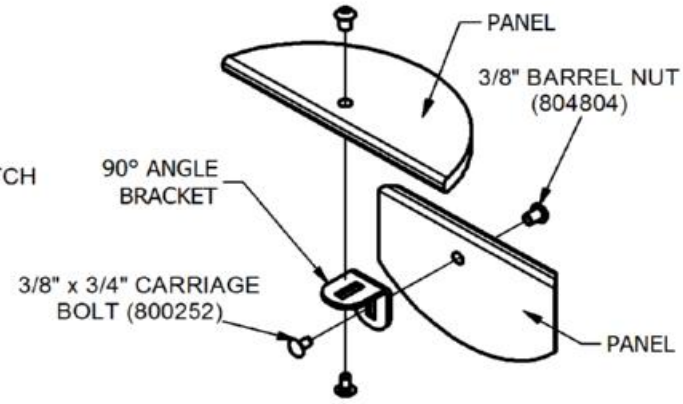
71372 Store Panel

NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.



467



519

SuperMax Play Systems

Vertical Ladder 71381 (1'-4" Rise); 71382 (2'-0" Rise); 71383 (2'-8" Rise); 71384 (3'-4" Rise); 71639 (4'-0" Rise)

Parts List							
ITEM	DESCRIPTION	71381	71382	71383	71384	71639	PART NUMBER
1	ENTRANCE BARRIER WALL	1	1	1	1	1	309967
2	STEP PANEL	1	0	0	0	0	302573
2	STEP PANEL	0	1	0	0	0	301257
2	STEP PANEL	0	0	1	0	0	307377
2	STEP PANEL	0	0	0	1	0	307379
2	STEP PANEL	0	0	0	0	1	307381
3	PIPE ADAPTER	2	2	2	2	2	309915
	FLAT BRACKET	2	2	2	2	2	300980
	-----HARDWARE COMPLETE-----	1	1	1	1	1	310656
	1/4" x 3/4" SET SCREW	4	4	4	4	4	811545
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	4	812052
	3/8" x 1" P.B.H.C.S. w/PATCH	8	8	8	8	8	812050
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	812054
	3/8" FLAT WASHER	10	10	10	10	10	817410
	3/8" FLAT WASHER (1 1/4" O.D.)	8	8	8	8	8	817424
	3/8" LOCKWASHER	2	2	2	2	2	817334
	3/8" BARREL NUT	10	10	10	10	10	804804
	3/8" LOCK NUT	4	4	4	4	4	804353

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. Determine which decks are to receive the Vertical Ladder, refer to your overhead drawing for location.

2. Loosely attach Ring Clamps to Uprights at noted heights using information provided in Ring Clamp Installation Sheet.

3. Attach the Flat Brackets to the Step Panel using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers and 3/8" Barrel Nuts as shown in Detail 148. Then, attach the Flat Brackets to the lower deck using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washers and 3/8" Lock Nuts as shown in Detail 148.

4. Slip the Pipe Adapters onto the Entrance Barrier Wall attachment pipes, then connect using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washers and 3/8" Barrel Nuts as shown in Detail 448. Hook the Pipe Adapters onto the Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448.

5. Attach Entrance Barrier Wall and Step Panel to holes on side of upper deck using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 1/4" O.D.), and 3/8" Barrel Nuts as shown in Detail 149.

Vertical Ladder 71381 (1'-4" Rise); 71382 (2'-0" Rise); 71383 (2'-8" Rise); 71384 (3'-4" Rise); 71639 (4'-0" Rise)

6. When the entire assembly is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure at least 48 hours before use.

IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

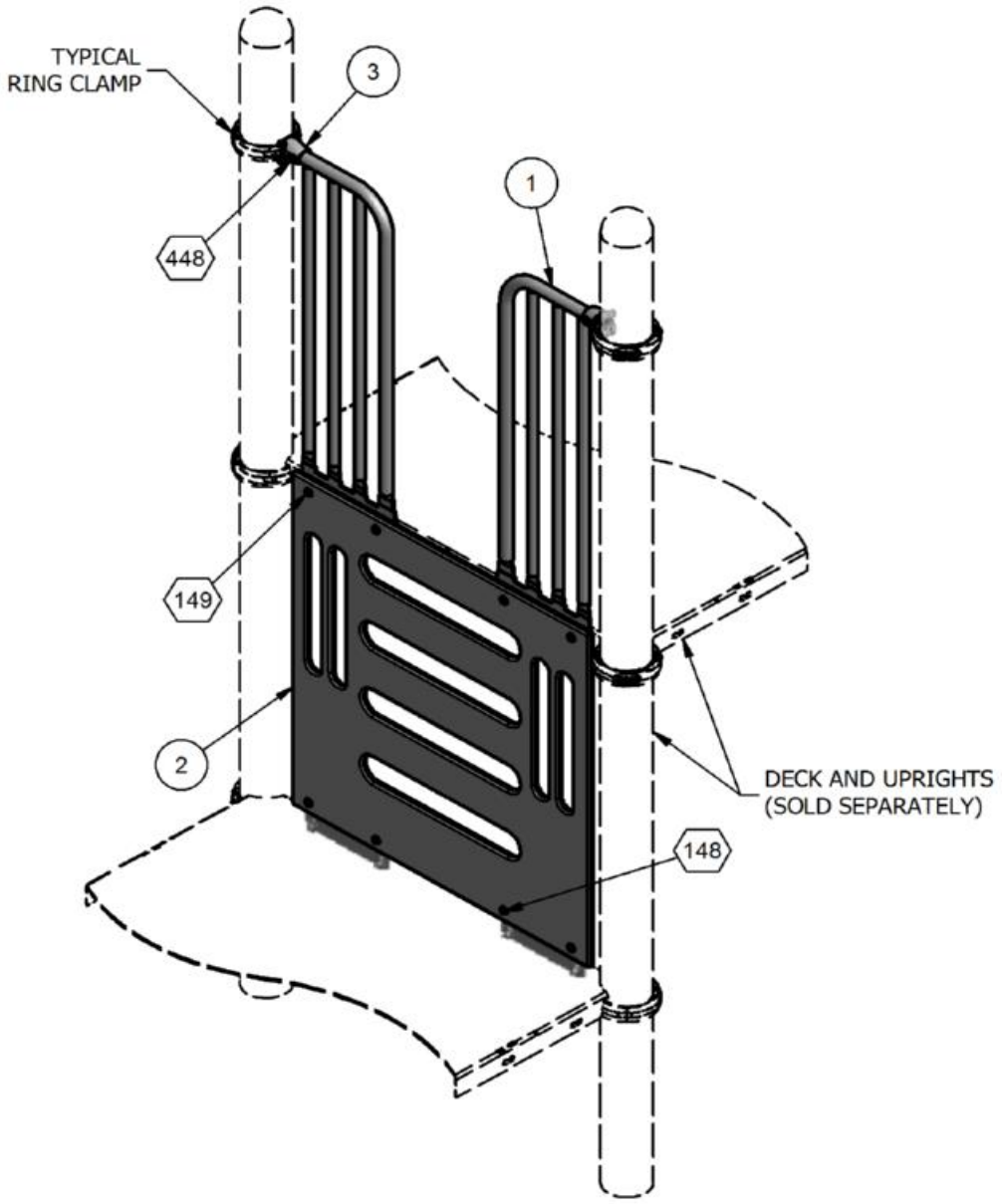
7. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

MAINTENANCE PROCEDURE:

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.

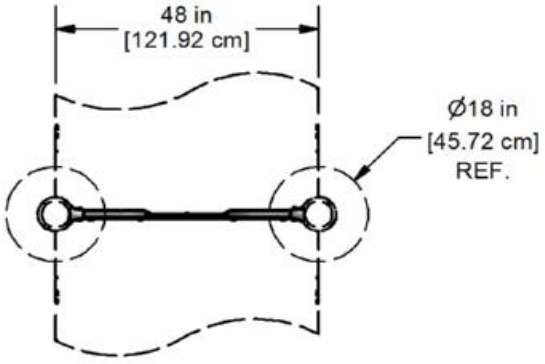
Vertical Ladder 71381 (1'-4" Rise); 71382 (2'-0" Rise); 71383 (2'-8" Rise); 71384 (3'-4" Rise); 71639 (4'-0" Rise)



⬡ = INSTALLATION DETAIL

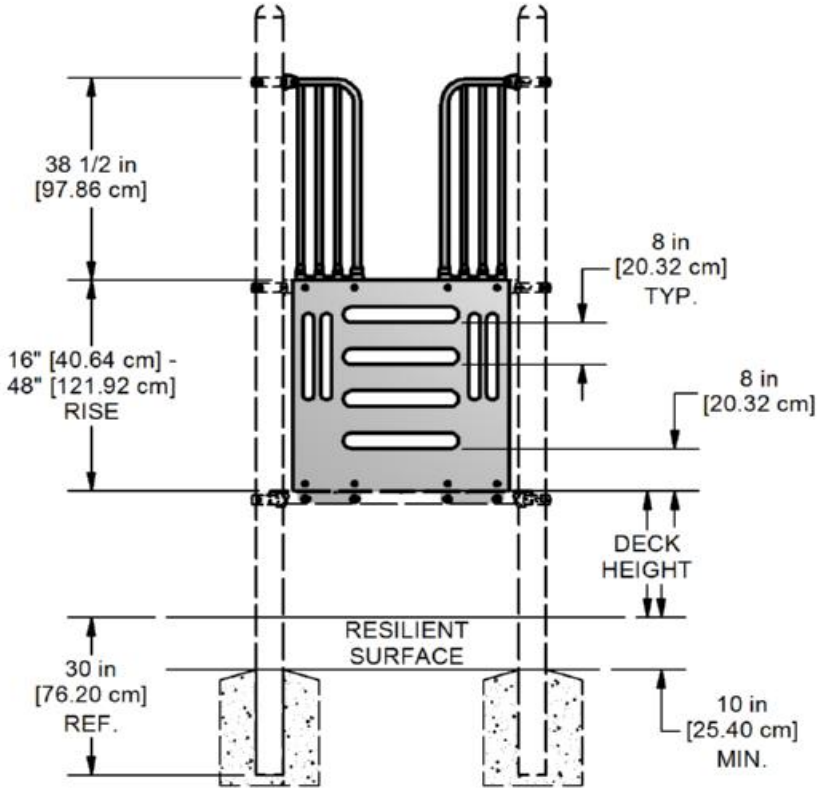
FINISHED ASSEMBLY
71384 SHOWN

Vertical Ladder 71381 (1'-4" Rise); 71382 (2'-0" Rise); 71383 (2'-8" Rise); 71384 (3'-4" Rise); 71639 (4'-0" Rise)



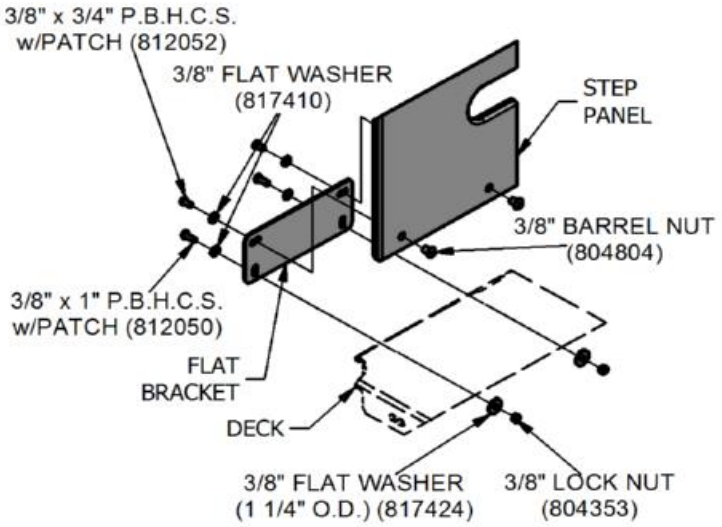
NOTE: STEP PANEL SHOULD BE ORIENTATED SO THAT THE DISTANCE FROM THE LOWER DECK TO THE FIRST STEP IS 8"

PLAN VIEW

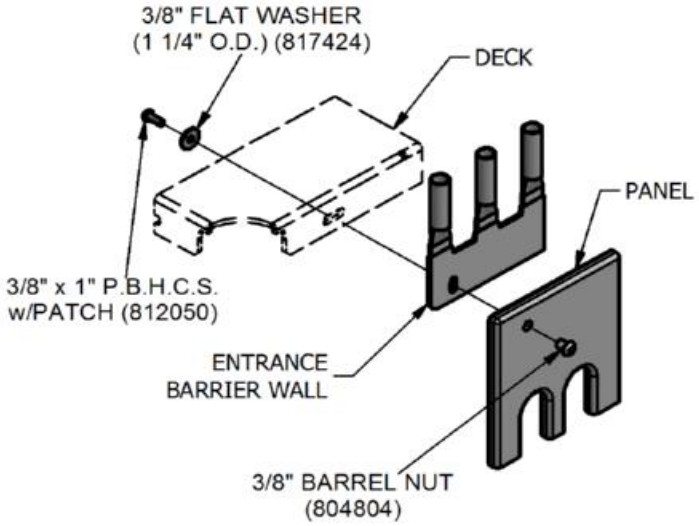


ELEVATION VIEW

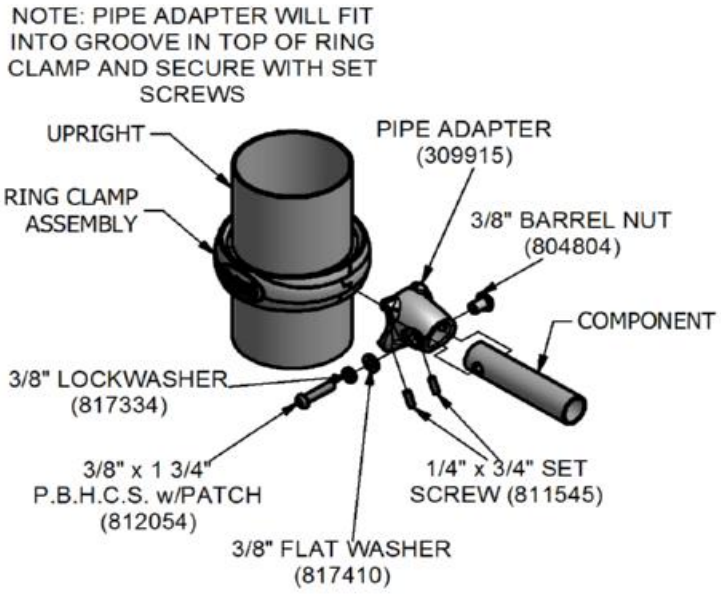
Vertical Ladder 71381 (1'-4" Rise); 71382 (2'-0" Rise); 71383 (2'-8" Rise); 71384 (3'-4" Rise); 71639 (4'-0" Rise)



148



149



448

SuperMax Play Systems

71385 BALCONY DECK
71386 BALCONY DECK w/PLAYWHEEL

Parts List -for- 71385			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	BALCONY DECK	1	312403
2	BALCONY WALL	1	312408
3	PIPE ADAPTER	2	309915
	-----HARDWARE COMPLETE-----	1	310657
	3/8" x 3/4" P.B.H.C.S. w/PATCH	3	812052
	3/8" x 1" P.B.H.C.S. w/PATCH	4	812050
	3/8" FLAT WASHER (1 1/4" O.D.)	14	817424
	3/8" FLAT WASHER	2	817410
	3/8" BARREL NUT	2	804804
	3/8" LOCK NUT	7	804353
	1/4" x 3/4" SET SCREW	4	811545
	3/8" LOCK WASHER	2	817334
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	812054

Parts List -for- 71386			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	BALCONY DECK	1	312403
2	BALCONY WALL	1	312410
3	PIPE ADAPTER	2	309915
4	STEERING WHEEL ASSEMBLY	1	163235
	-----HARDWARE COMPLETE-----	1	310658
	1/4" x 3/4" SET SCREW	4	811545
	3/8" BARREL NUT	2	804804
	3/8" FLAT WASHER	4	817410
	3/8" x 1" P.B.H.C.S. w/PATCH	4	812050
	3/8" FLAT WASHER (1 1/4" O.D.)	14	817424
	3/8" LOCK NUT	7	804353
	3/8" x 3/4" P.B.H.C.S. w/PATCH	5	812052
	3/8" LOCK WASHER	4	817334
	3/8" ACORN NUT	2	804002
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	812054

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.

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. Place Balcony Deck on a flat surface. If necessary, using a 7/16" drill bit, ream out excess plastisol coating from the (4) holes located on the flange, as well as the (4) holes located on the flange of the existing deck for attachment. Be careful not to expose steel frame.

2.Position the Balcony Deck against the flange of the existing deck and fasten the flanges together using 3/8" x 1" P.B.H.C.S. with 3/8" Flat Washers and 3/8" Lock Nuts as shown in Detail 090.

3 .Attach Ring Clamps on uprights at height shown in elevation view (See seperate Ring Clamp Installation Sheet). Attach Balcony Wall to Ring clamps using Pipe Adapter as shown in Detail 448. Fasten bottom tabs of Balcony Wall to the Balcony Deck as shown in Detail 026.

4. For 71386 only: Attach Steering Wheel Assembly to the Balcony Wall using two each 3/8" x 3/4" P.B.H.C.S., 3/8" Flatwasher, 3/8" Lockwasher and 3/8" Acorn Nut as shown in Detail 091.

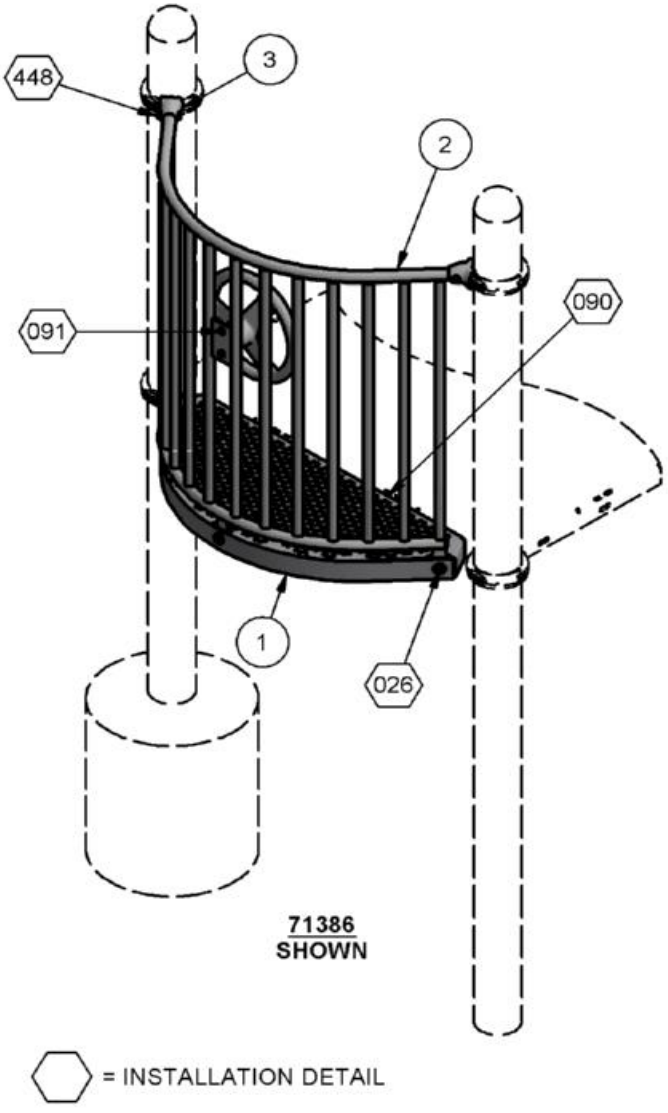
5.When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See a Deck Clamp subassembly sheet. It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them. 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.

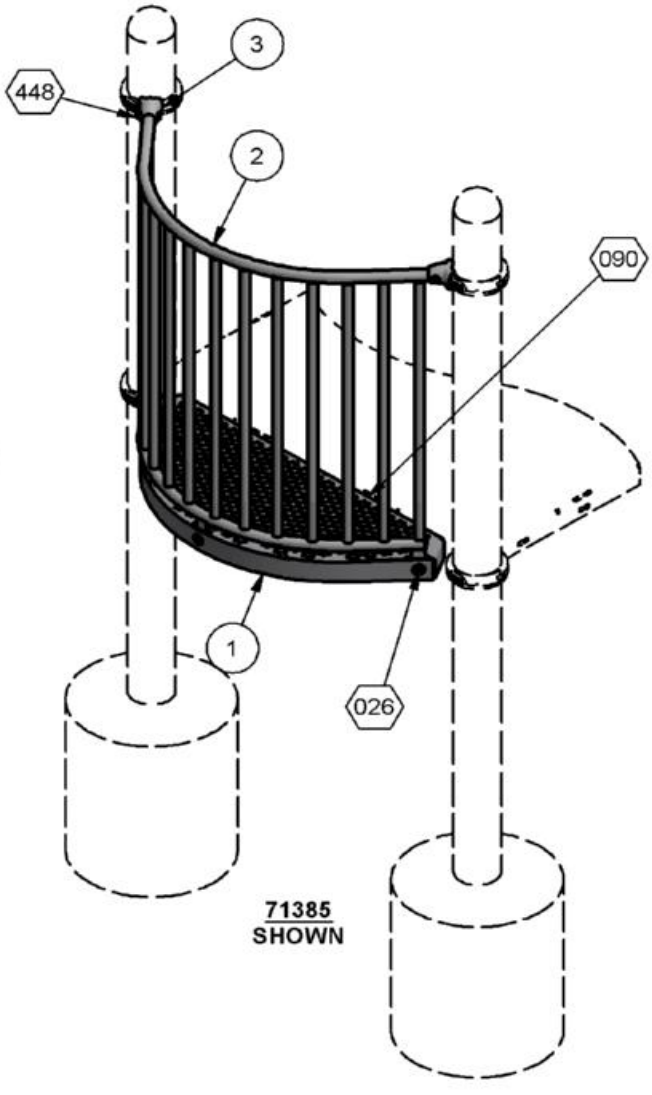
71385 BALCONY DECK
71386 BALCONY DECK w/PLAYWHEEL

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.



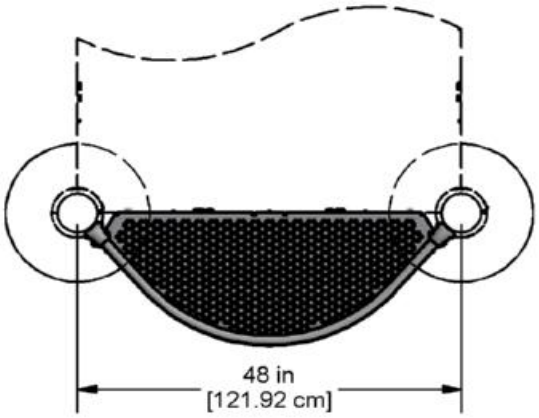
71386
SHOWN



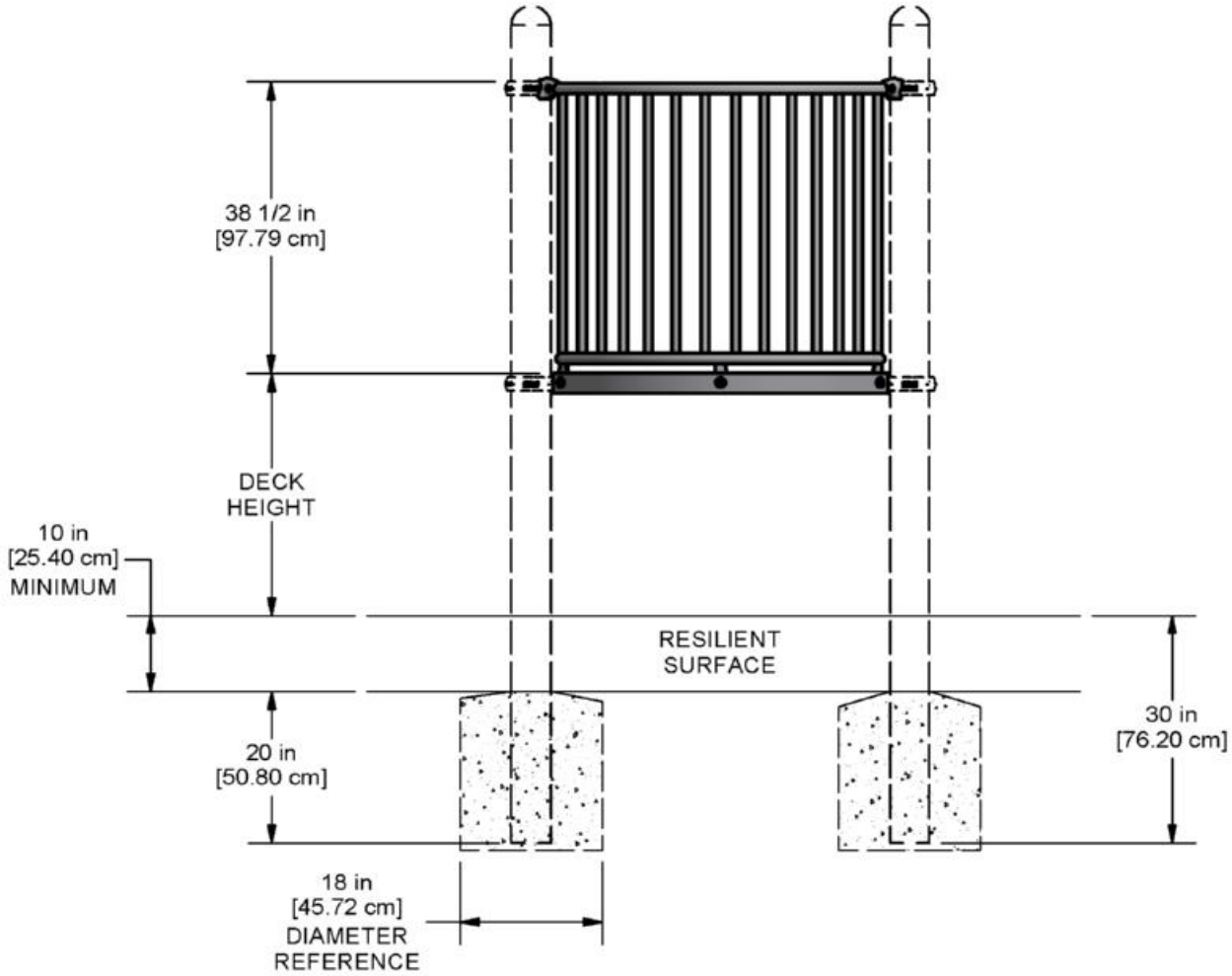
71385
SHOWN

⬡ = INSTALLATION DETAIL

71385 BALCONY DECK
71386 BALCONY DECK w/PLAYWHEEL

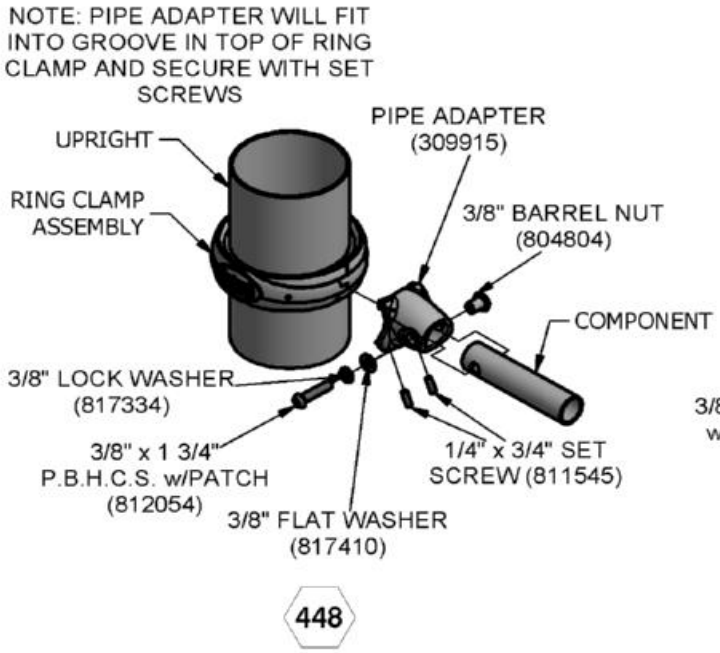


PLAN VIEW

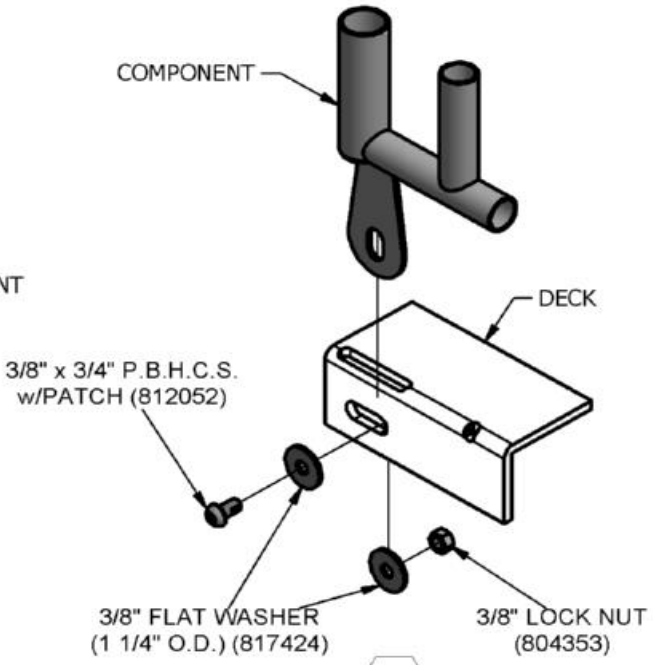


ELEVATION VIEW

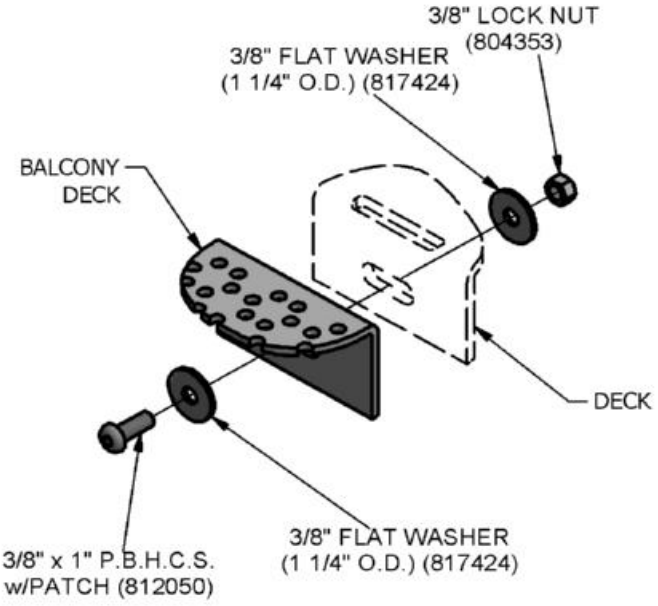
71385 BALCONY DECK
71386 BALCONY DECK w/PLAYWHEEL



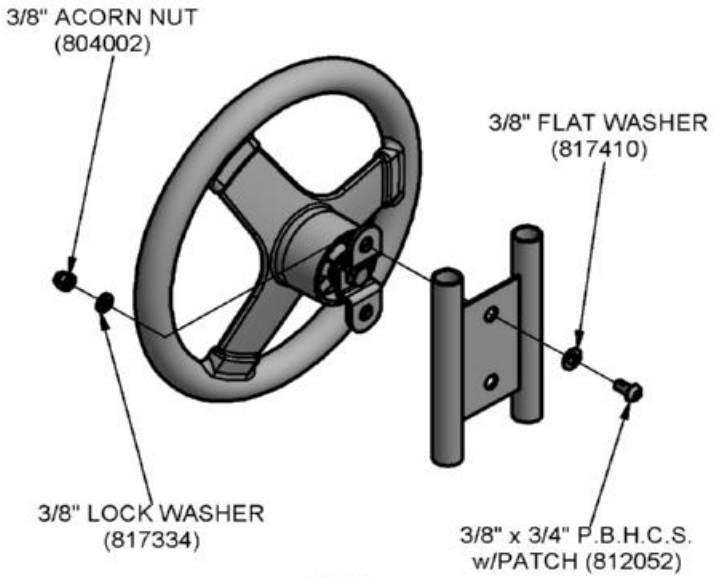
448



026



090



091

HURRICANE SPIRAL SLIDE WITH HOOD
71391 (4'-0"); 71392 (4'-8"); 71393 (5'-4"); 71394 (6'-0")

Parts List					
DESCRIPTION	71391	71392	71393	71394	PART NUMBER
GROUND SOCKET	1	1	0	1	168601
GROUND SOCKET	0	0	1	0	302217
FOOTBUCK	1	1	0	1	200033
FOOTBUCK	0	0	1	0	176384
360 SPIRAL SLIDE	1	1	1	1	215627
PLATFORM	1	0	0	0	302210
PLATFORM	0	1	0	0	302317
PLATFORM	0	0	1	0	302195
PLATFORM	0	0	0	1	306942
PIPE ADAPTER	2	2	2	2	309915
ENCLOSURE SUPPORT	2	2	2	2	310675
ENCLOSURE	2	0	0	0	310690
ENCLOSURE	0	2	0	0	310693
ENCLOSURE	0	0	2	0	310696
ENCLOSURE	0	0	0	2	310699
SPIRAL SLIDE HOOD	1	1	1	1	315508
HARDWARE COMPLETE	1	1	1	1	310709
1/4" x 3/4" SET SCREW	4	4	4	4	811545
3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	812052
3/8" x 1" P.B.H.C.S. w/PATCH	4	4	4	4	812050
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	4	4	4	812051
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	4	4	4	4	812053
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	6	6	6	6	812054
3/8" x 3 1/4" B.H.C.S.	2	2	2	2	811060
3/8" FLAT WASHER	8	8	8	8	817410
3/8" FLAT WASHER (1 1/4" O.D.)	12	12	12	12	817424
3/8" LOCK WASHER	18	18	18	18	817334
3/8" BARREL NUT	2	2	2	2	804804
3/8" T-NUT	4	4	4	4	804556
3/8" LOCK NUT	4	4	4	4	804353
1/2" x 3 1/2" HEX HEAD BOLT	2	2	2	2	801213
1/2" LOCKNUT	2	2	2	2	804355

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.

HURRICANE SPIRAL SLIDE WITH HOOD
71391 (4'-0"); 71392 (4'-8"); 71393 (5'-4"); 71394 (6'-0")

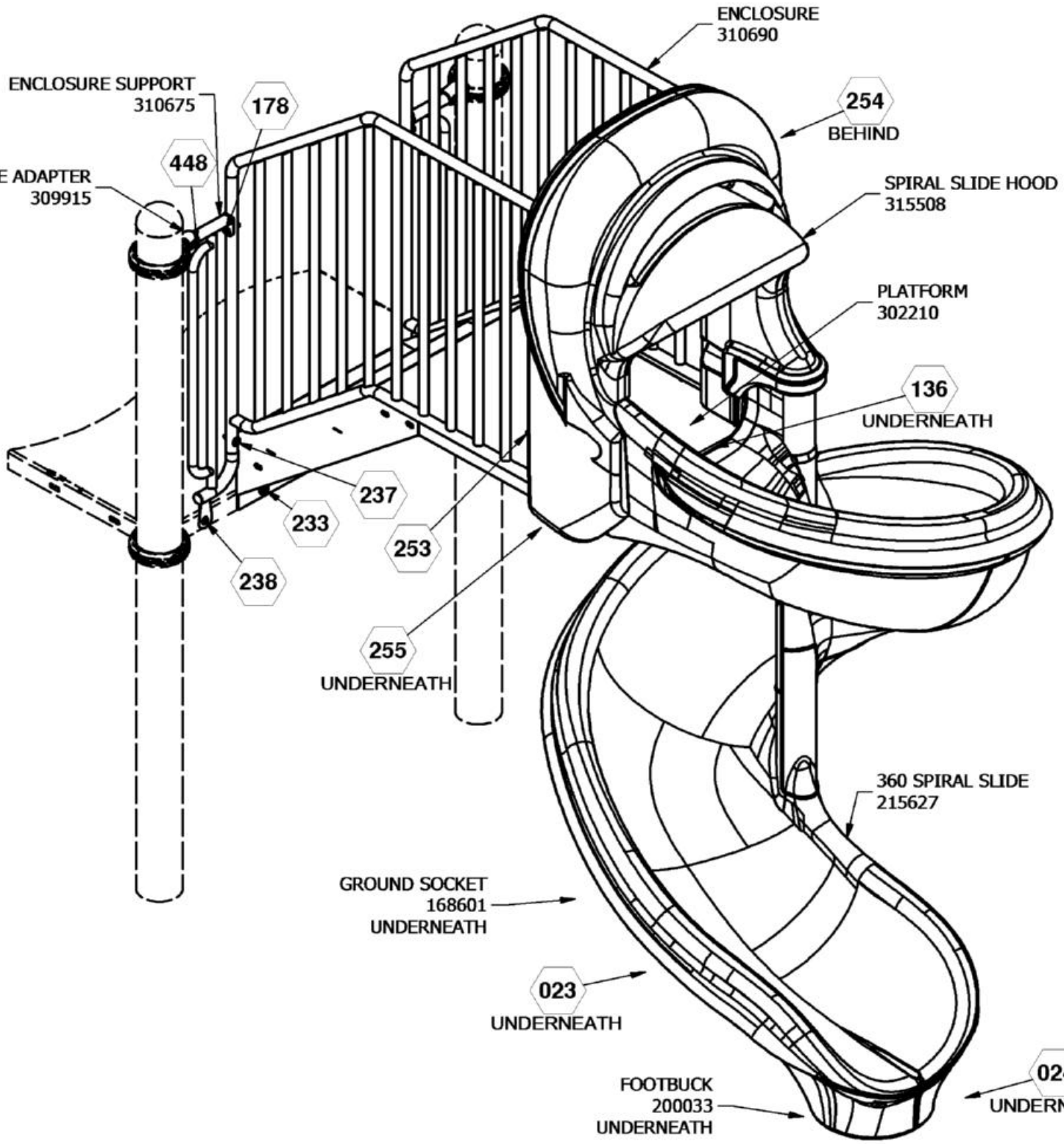
INSTALLATION INSTRUCTIONS:

1. Dig footings at locations shown in Plan View.
2. Using a 7/16" drill bit, ream out any excess Plastisol-coating from all holes to be used in the Platform. Be careful not to expose the steel.
3. Fasten Ring Clamps to uprights. Refer to the seperate Ring Clamp Installation sheet. See Elevation View for proper clamp location.
4. Attach the Enclosure Supports to Ring Clamps as shown in Detail 448.
5. Attach bottom of the Enclosure Supports to Deck using Detail 238.
6. Fasten the Platform to the adjacent main structure deck. See Detail 233. Do not fully tighten fasteners.
7. Fasten the Footbuck to the Exit Segment of the 360 Spiral Slide. See Detail 024.
8. Fasten the Ground Socket to the 360 Spiral Slide. See Detail 023. Fully tighten fasteners.
9. Place the assembled Hurricane Spiral Slide into the footing holes and attach it to the Extension Platform. See Detail 136.
10. Attach the Spiral Slide Hood to the 360 Spiral Slide. See Detail 253.
11. Fasten 360 Spiral Slide Hood to the platform. See Detail 255.
12. Attach Pipe Enclosure to Enclosure Support using Details 178 and 237.
13. Attach Pipe Enclosure to Spiral Slide Hood using Detail 254.
14. Plumb and level the entire assembly and tighten all fasteners.
15. Pour concrete footings within 4" to the top and taper away from the posts to allow water drainage. Allow curing at least 48 hours before use.
16. When the structure is finished and satisfactory, install Drive Rivets to all clamps to ensure clamps cannot slide down posts. See Pipe Clamps sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** 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 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.

HURRICANE SPIRAL SLIDE WITH HOOD
71391 (4'-0")



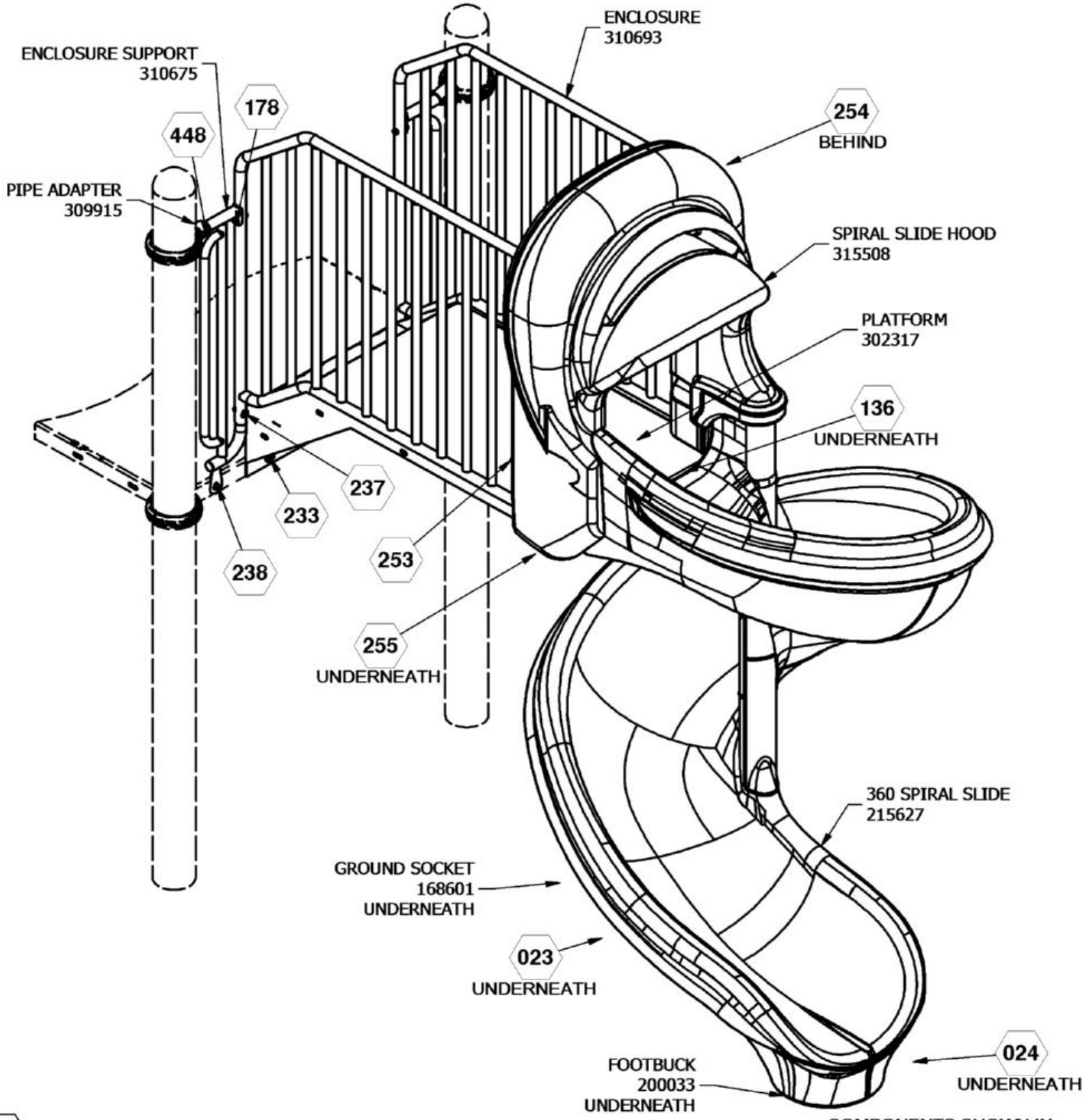
⬡ = INSTALLATION DETAIL

Issued/Revised: 10/15/2021

FINISHED ASSEMBLY
71391 SHOWN

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

HURRICANE SPIRAL SLIDE WITH HOOD
71392 (4'-8")



⬡ = INSTALLATION DETAIL

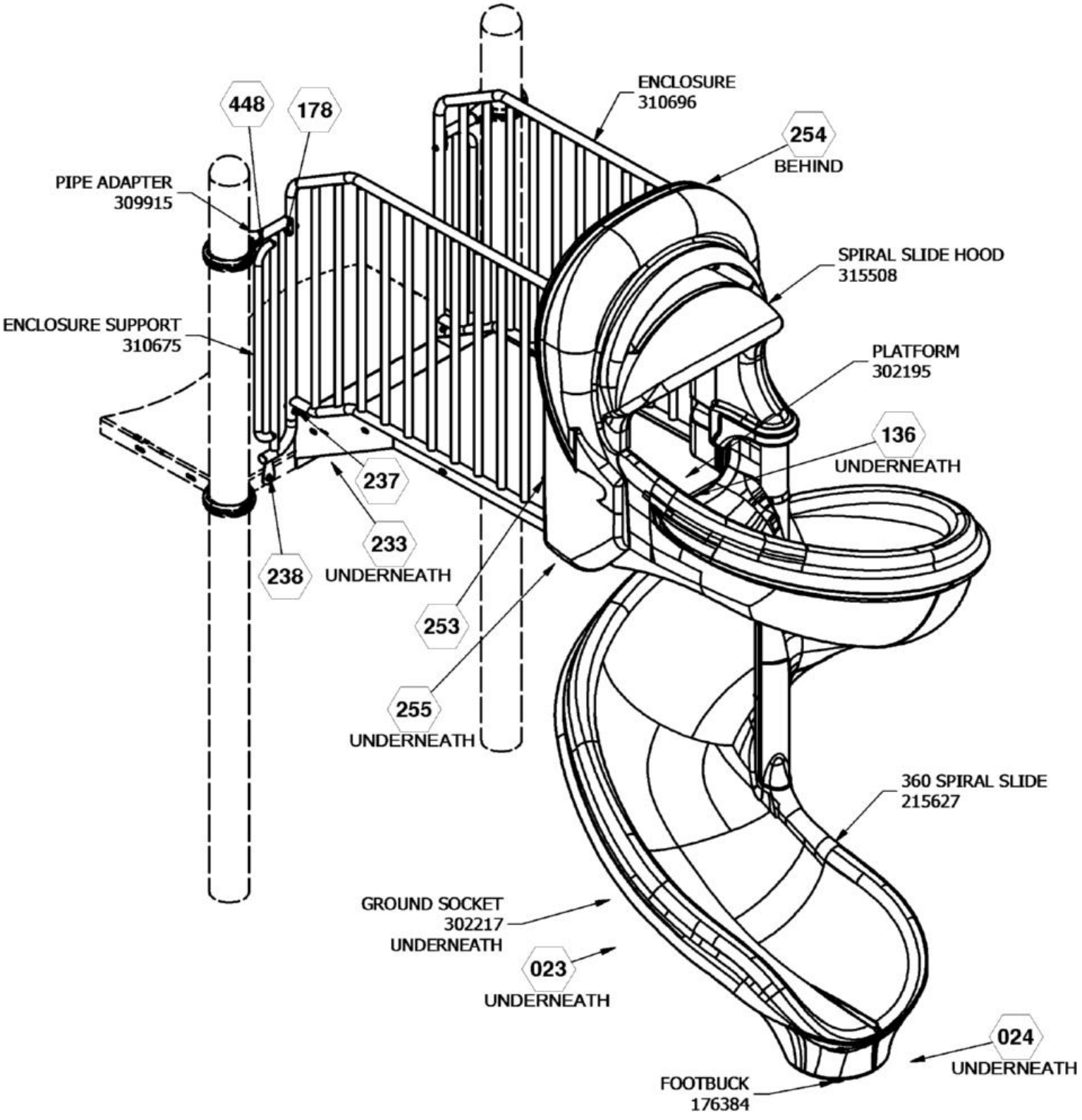
Issued/Revised: 10/15/2021

FINISHED ASSEMBLY
71392 SHOWN

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

HURRICANE SPIRAL SLIDE WITH HOOD
71393 (5'-4")



⬡ = INSTALLATION DETAIL

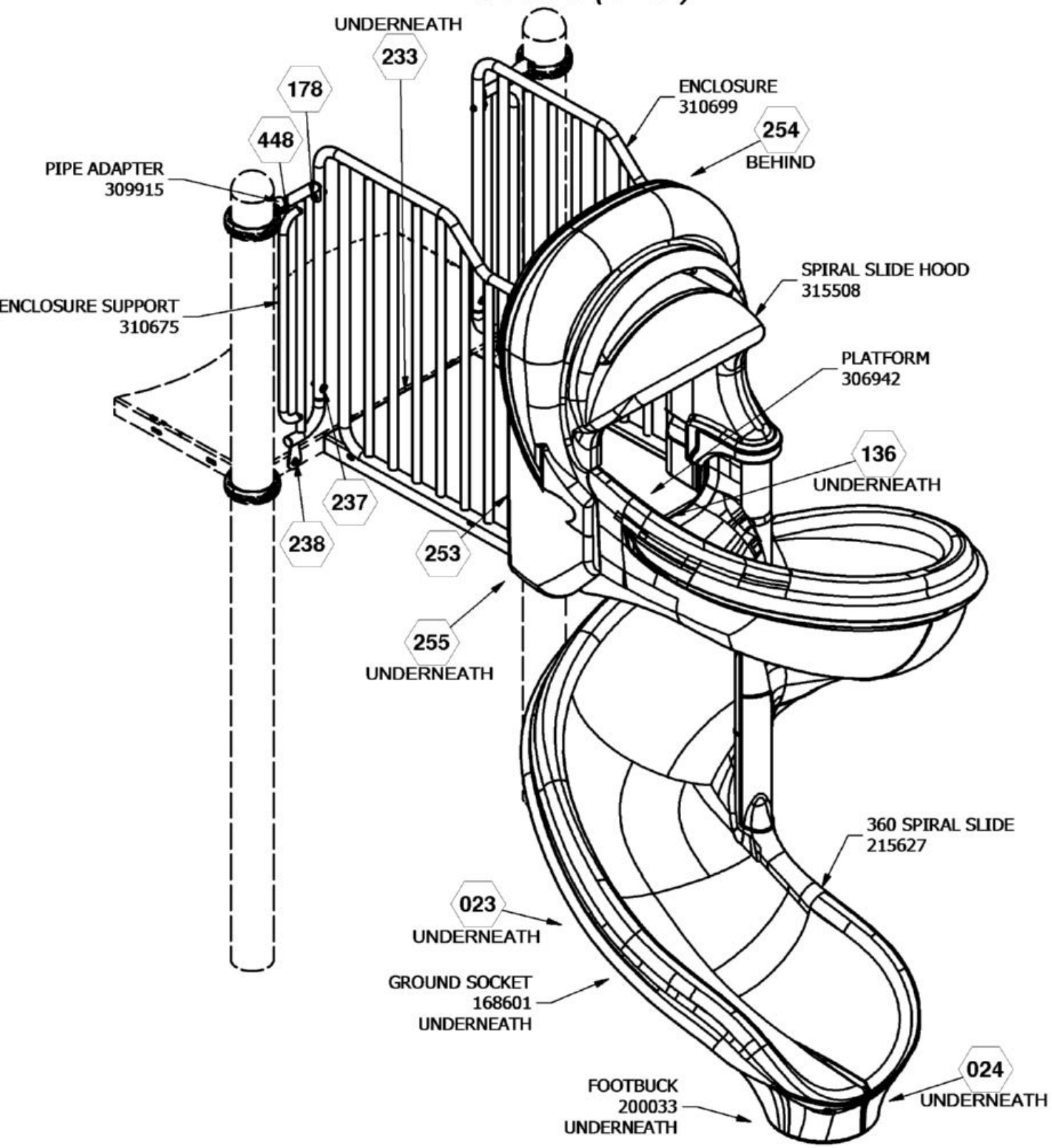
Issued/Revised: 10/15/2021

FINISHED ASSEMBLY
71393 SHOWN

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

HURRICANE SPIRAL SLIDE WITH HOOD
71394 (6'-0")



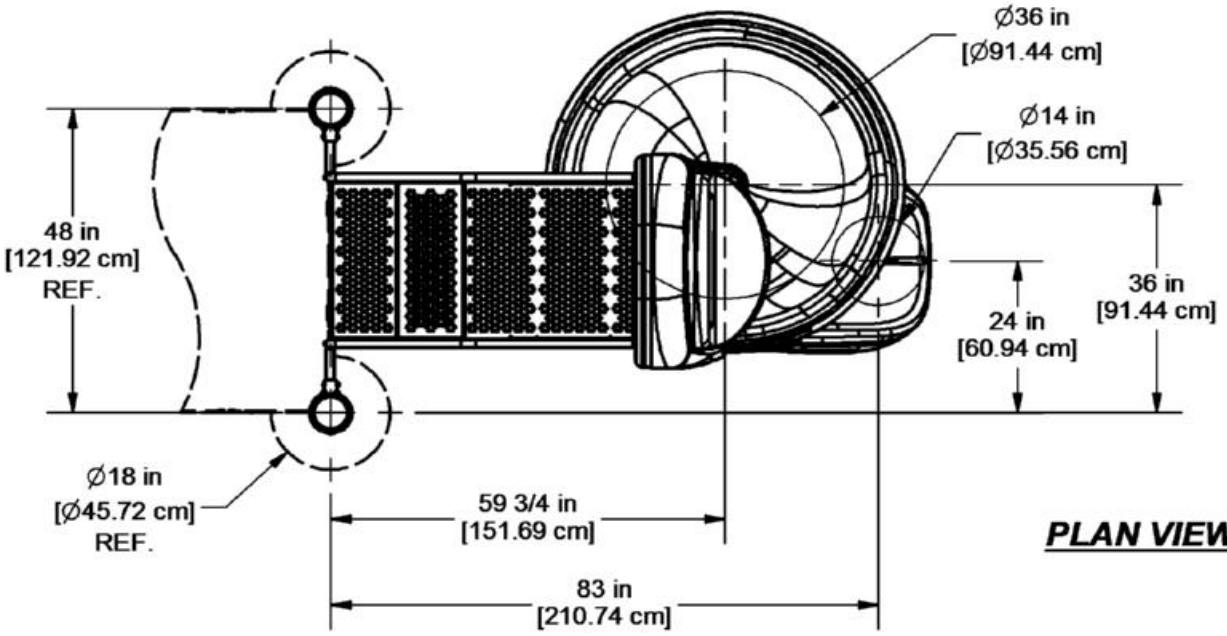
⬡ = INSTALLATION DETAIL

Issued/Revised: 10/15/2021

FINISHED ASSEMBLY
71394 SHOWN

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

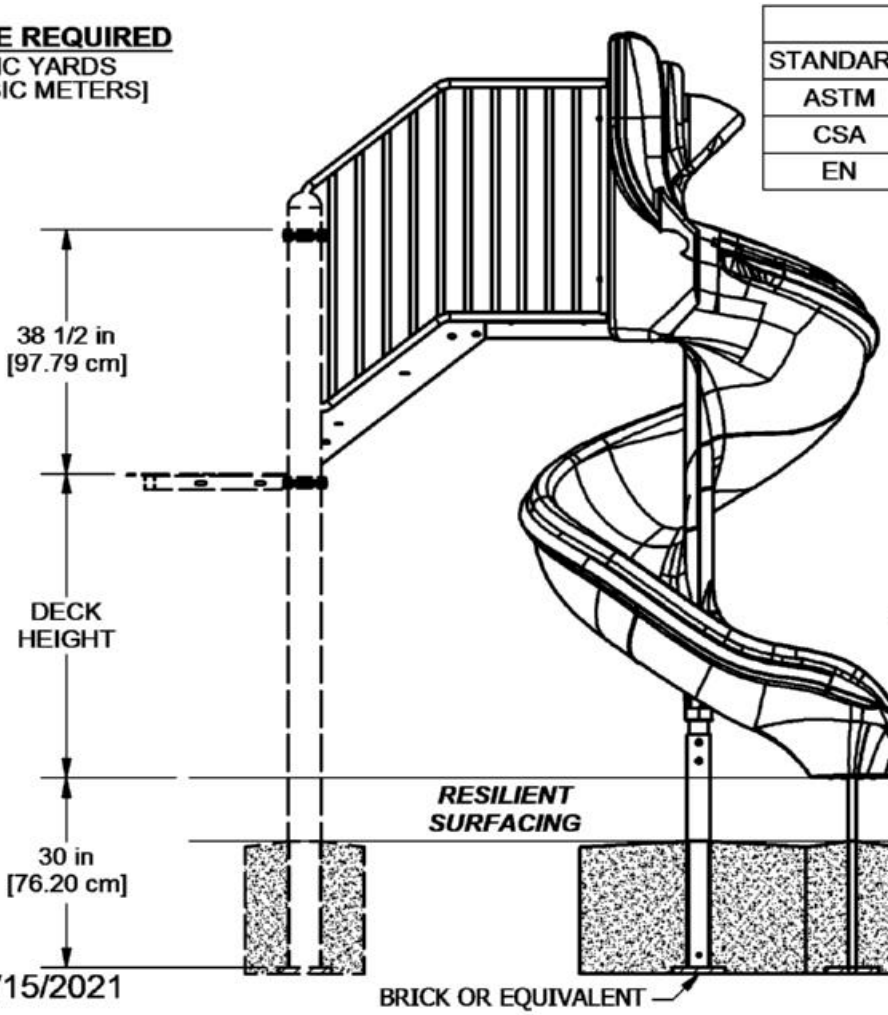
HURRICANE SPIRAL SLIDE WITH HOOD
71391 (4'-0")



PLAN VIEW

CONCRETE REQUIRED
0.502 CUBIC YARDS
0.384 [CUBIC METERS]

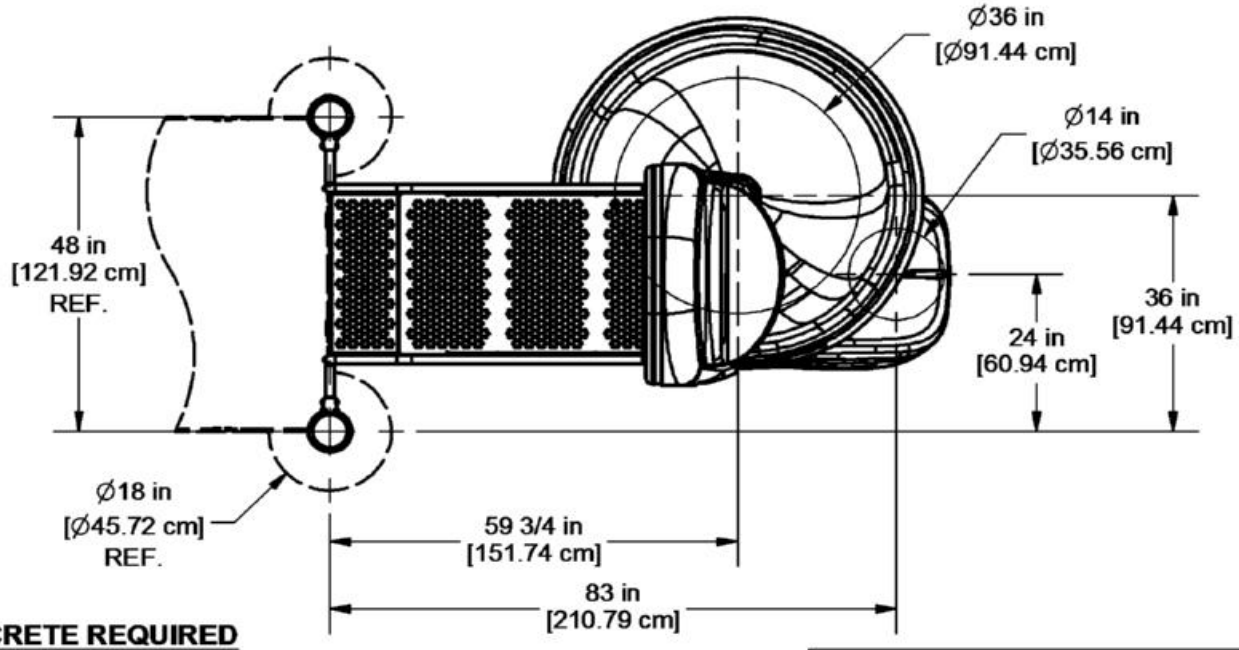
EXIT HEIGHT CHART	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	11" OR LESS
CSA	275mm OR LESS
EN	200mm OR LESS



NOTE: BEDWAY MUST NOT EXCEED 50° DOWNWARD ANGLE PER ASTM AND CSA STANDARD.

ELEVATION VIEW

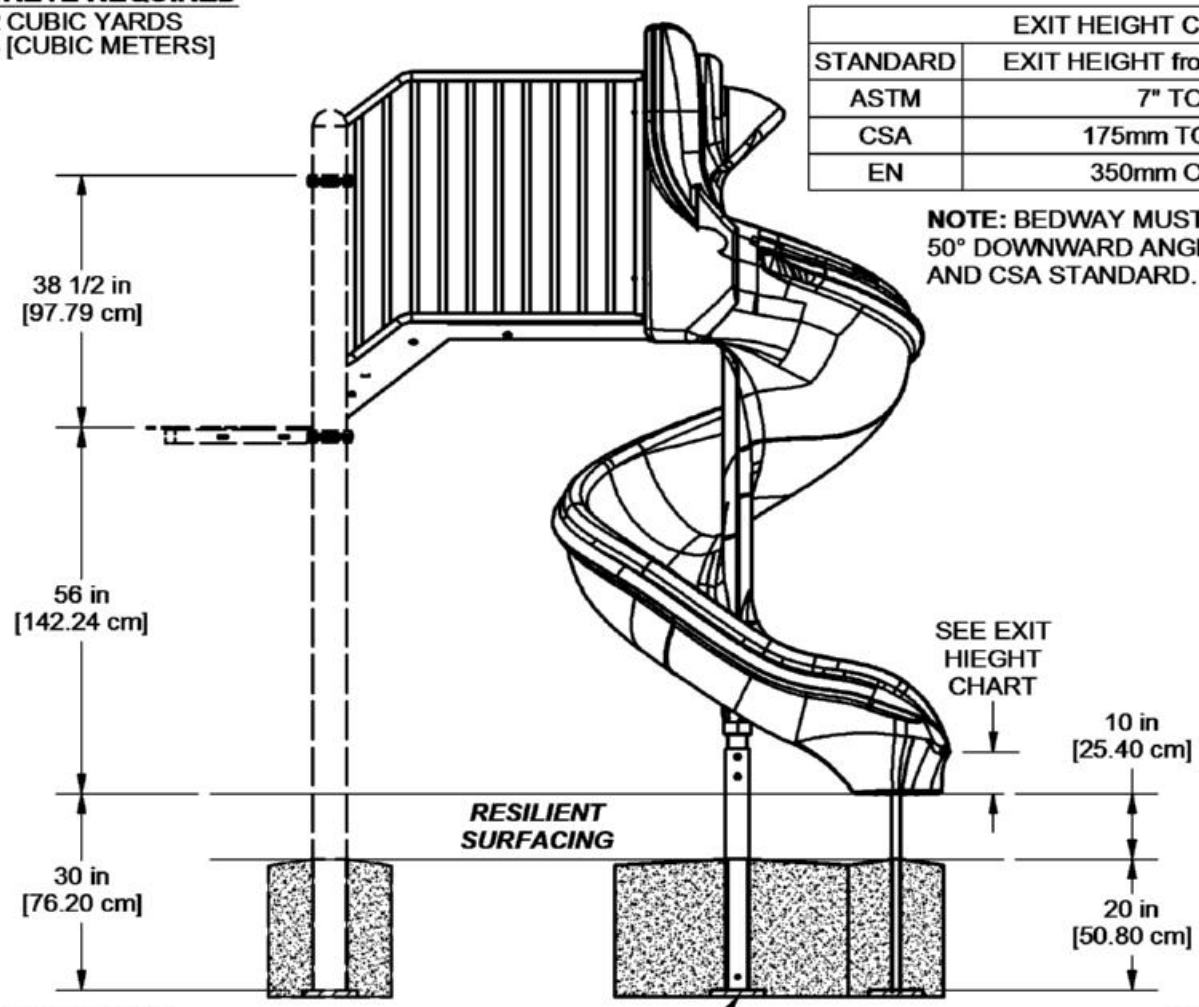
HURRICANE SPIRAL SLIDE WITH HOOD
71392 (4'-8")



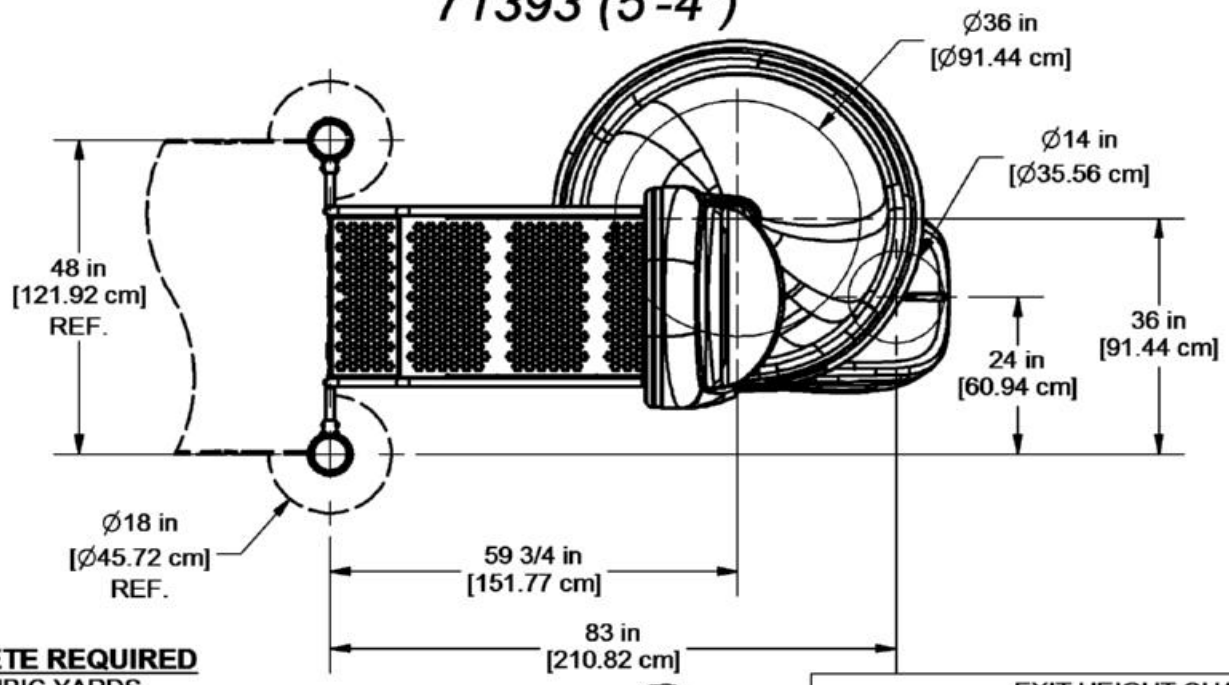
CONCRETE REQUIRED
0.502 CUBIC YARDS
0.384 [CUBIC METERS]

EXIT HEIGHT CHART	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	7" TO 15"
CSA	175mm TO 380mm
EN	350mm OR LESS

NOTE: BEDWAY MUST NOT EXCEED 50° DOWNWARD ANGLE PER ASTM AND CSA STANDARD.



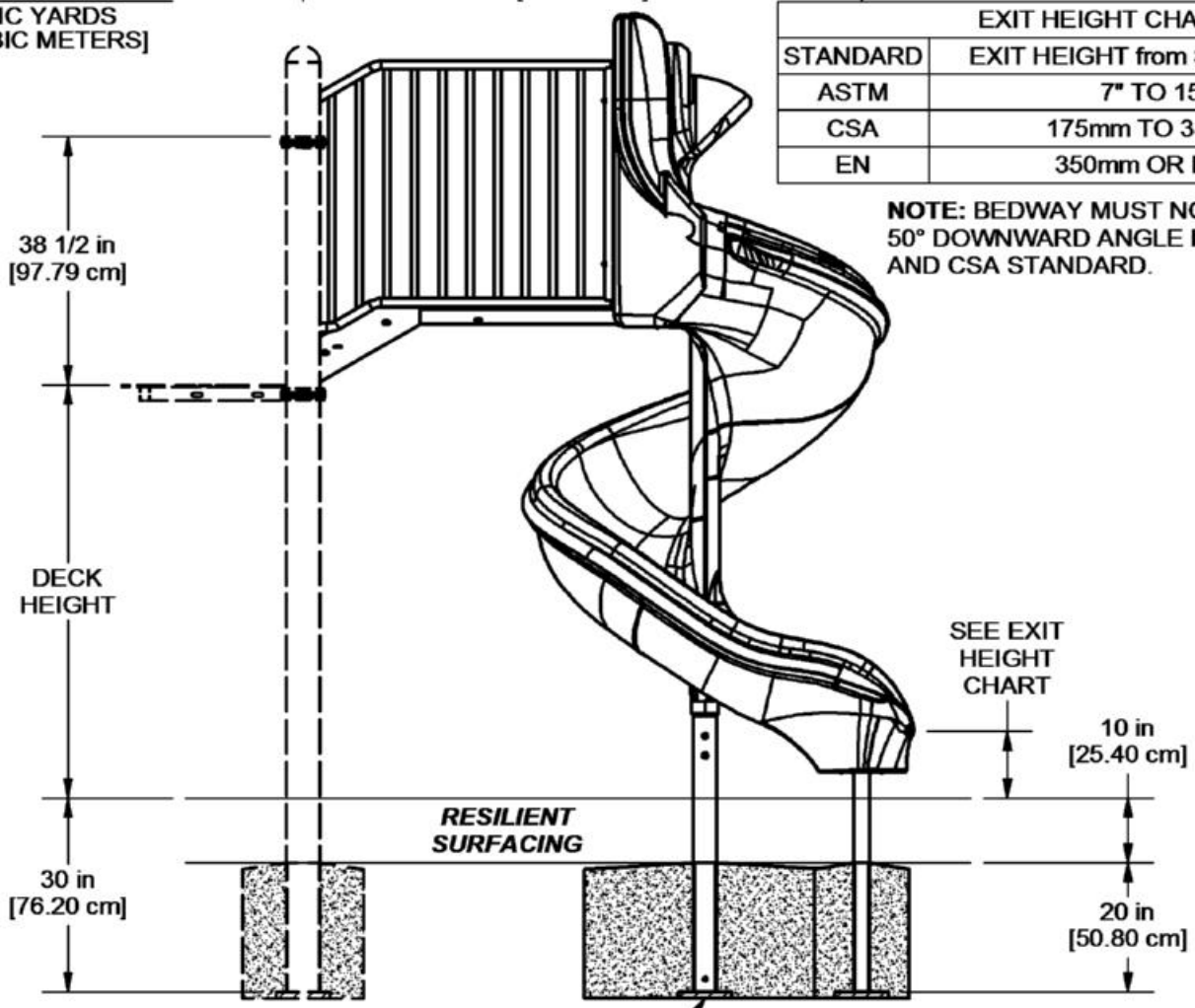
HURRICANE SPIRAL SLIDE WITH HOOD
71393 (5'-4")



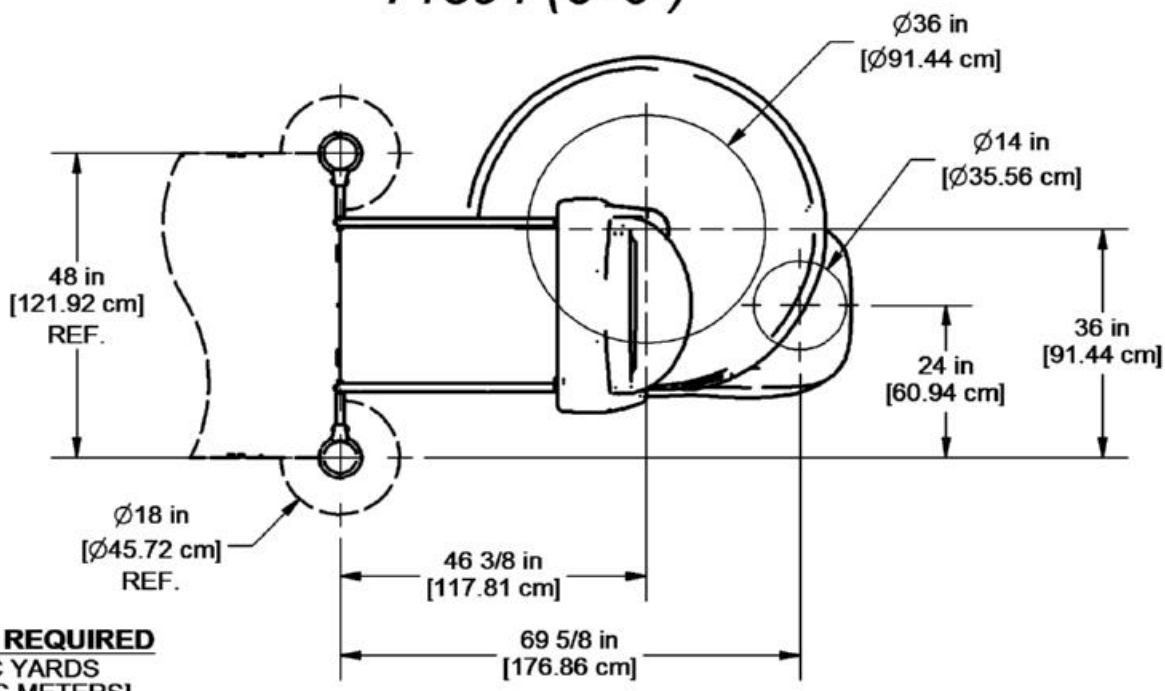
CONCRETE REQUIRED
0.502 CUBIC YARDS
0.384 [CUBIC METERS]

EXIT HEIGHT CHART	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	7" TO 15"
CSA	175mm TO 380mm
EN	350mm OR LESS

NOTE: BEDWAY MUST NOT EXCEED 50° DOWNWARD ANGLE PER ASTM AND CSA STANDARD.



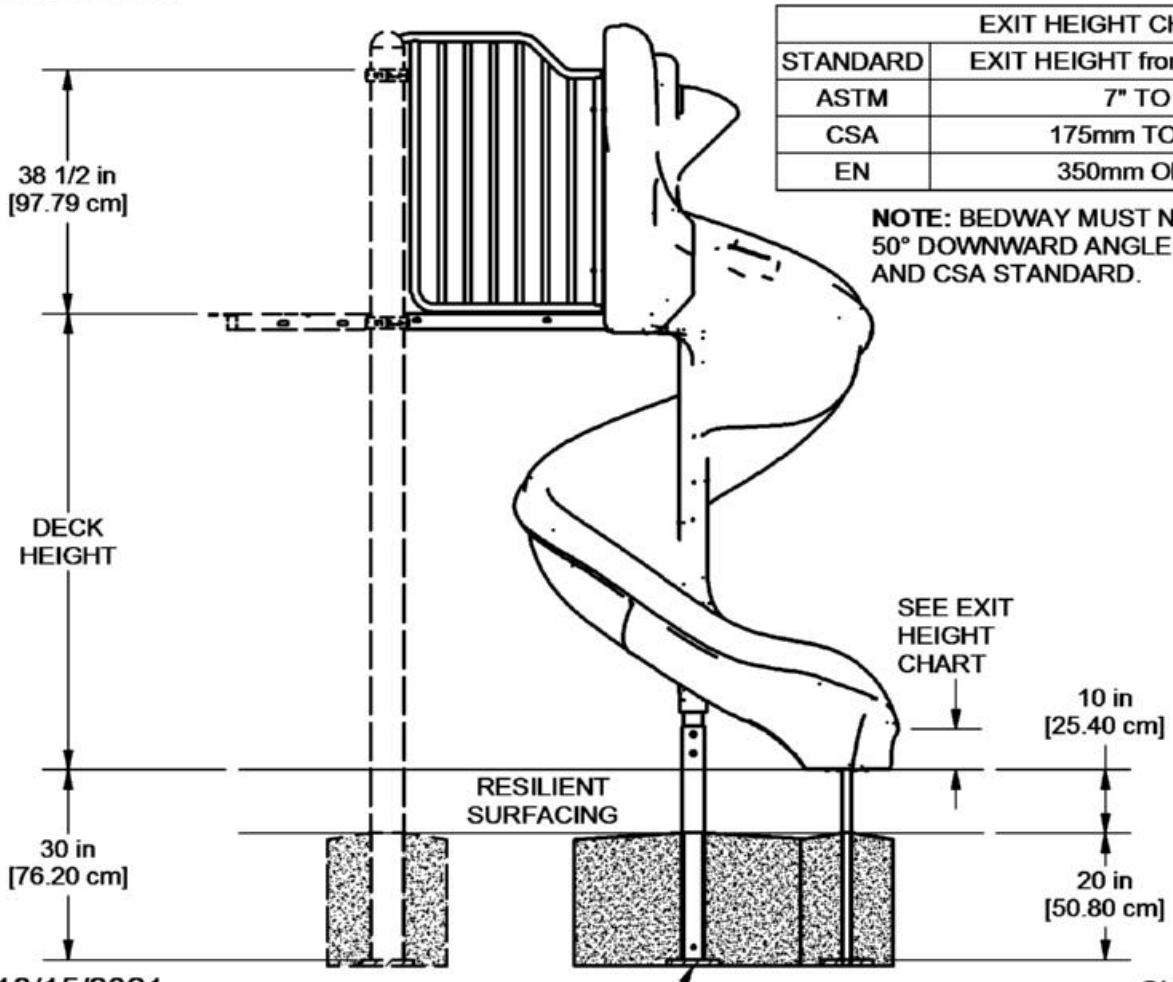
HURRICANE SPIRAL SLIDE WITH HOOD
71394 (6'-0")



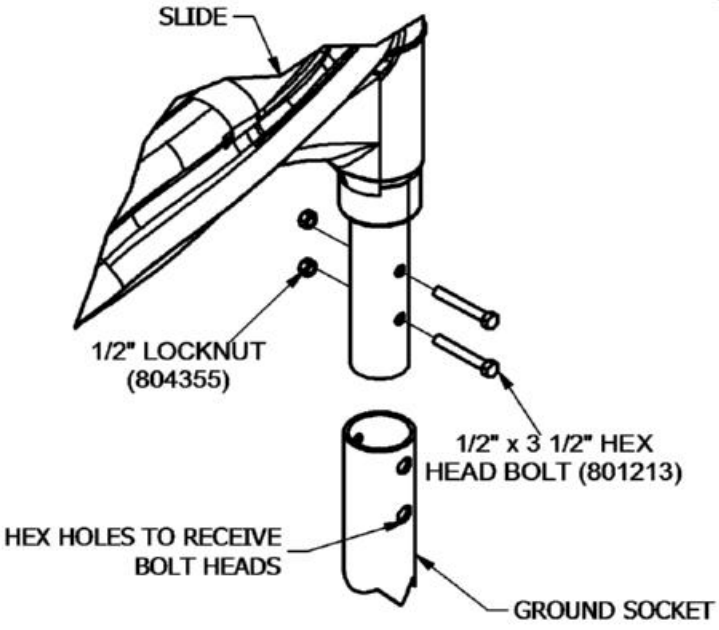
CONCRETE REQUIRED
0.502 CUBIC YARDS
0.384 [CUBIC METERS]

EXIT HEIGHT CHART	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	7" TO 15"
CSA	175mm TO 380mm
EN	350mm OR LESS

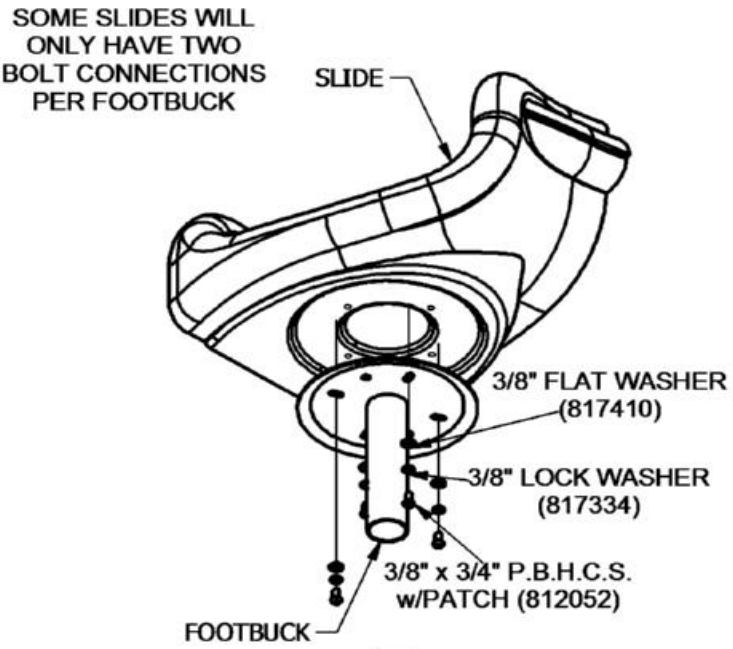
NOTE: BEDWAY MUST NOT EXCEED 50° DOWNWARD ANGLE PER ASTM AND CSA STANDARD.



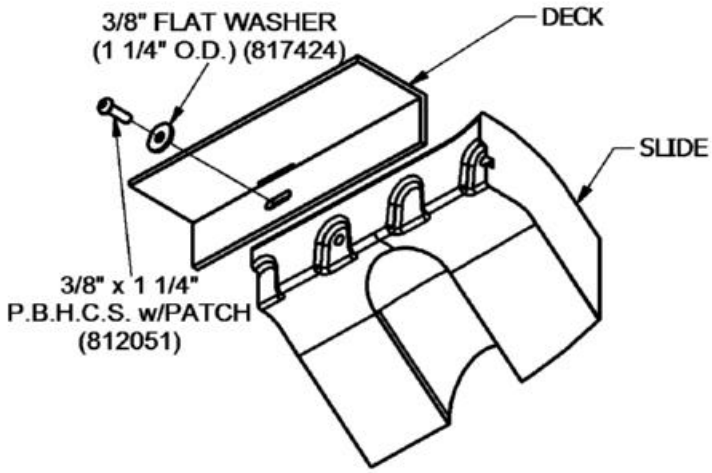
HURRICANE SPIRAL SLIDE WITH HOOD
71391 (4'-0"); 71392 (4'-8"); 71393 (5'-4"); 71394 (6'-0")



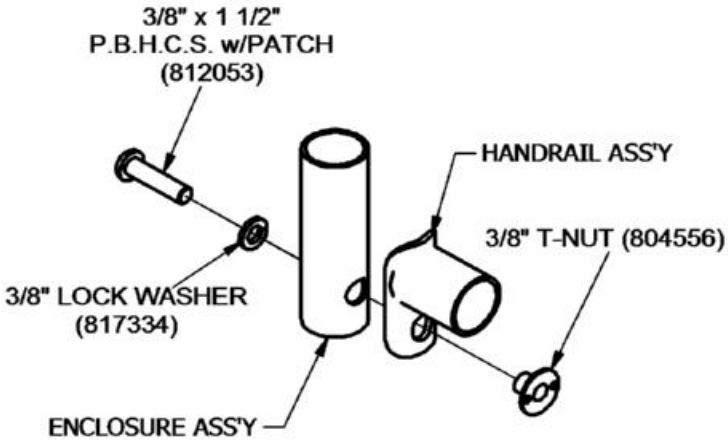
023



024

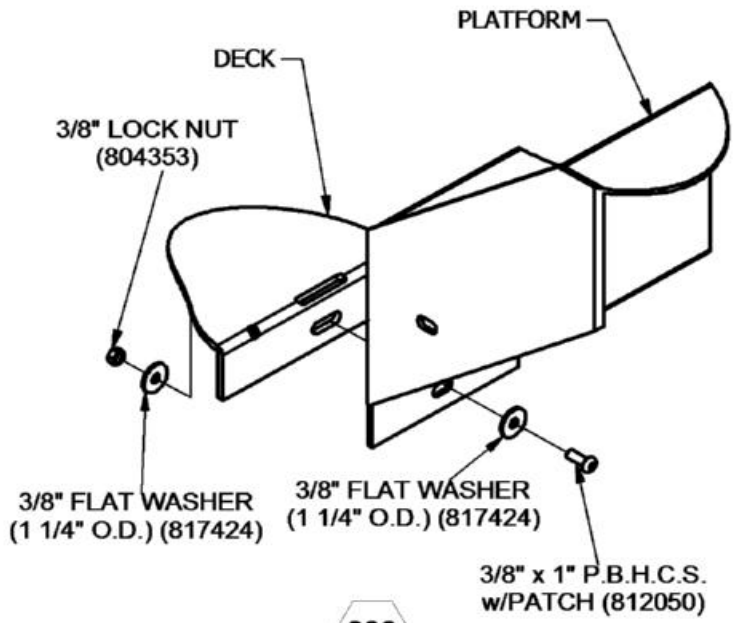


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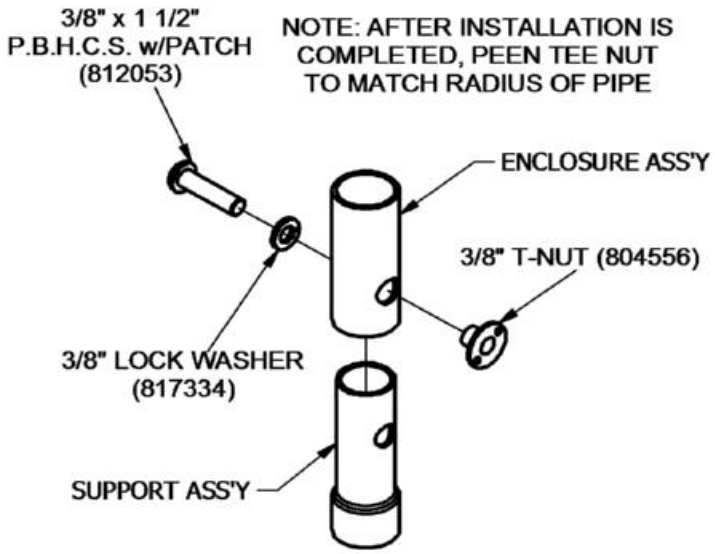


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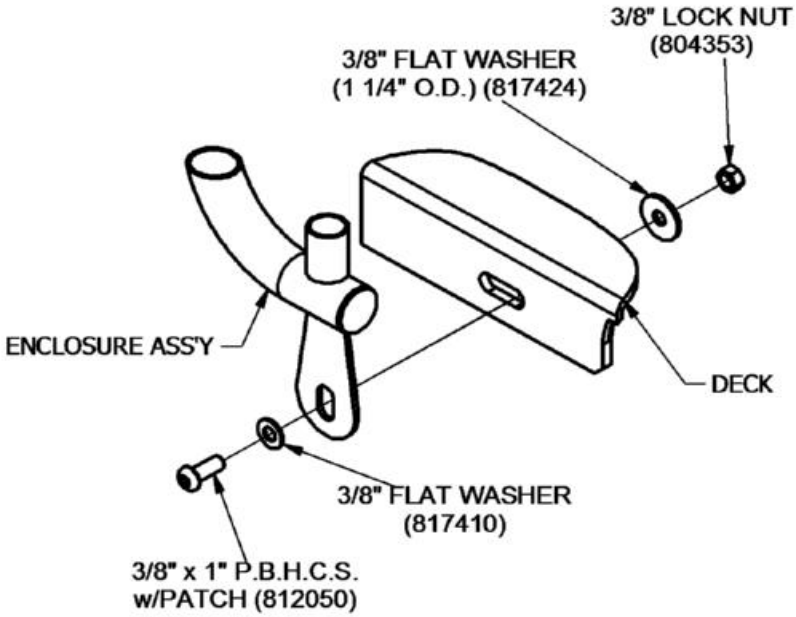
HURRICANE SPIRAL SLIDE WITH HOOD
71391 (4'-0"); 71392 (4'-8"); 71393 (5'-4"); 71394 (6'-0")



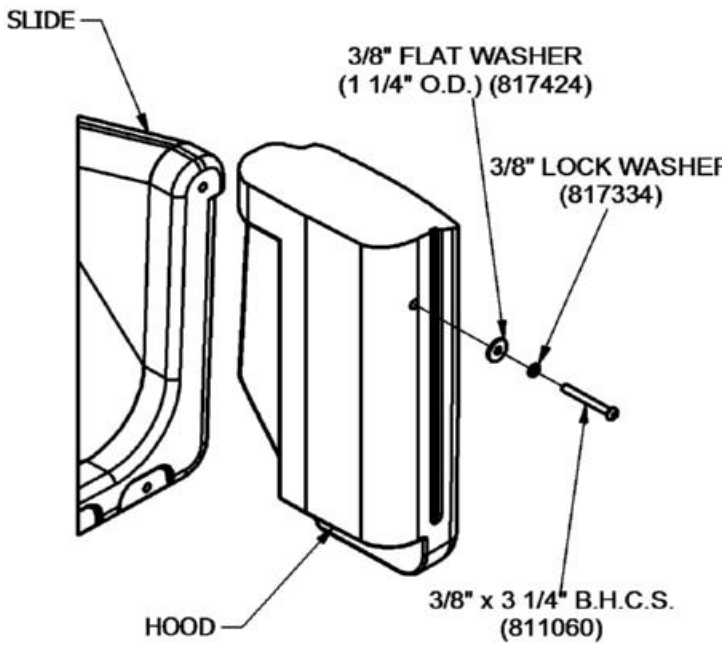
233



237

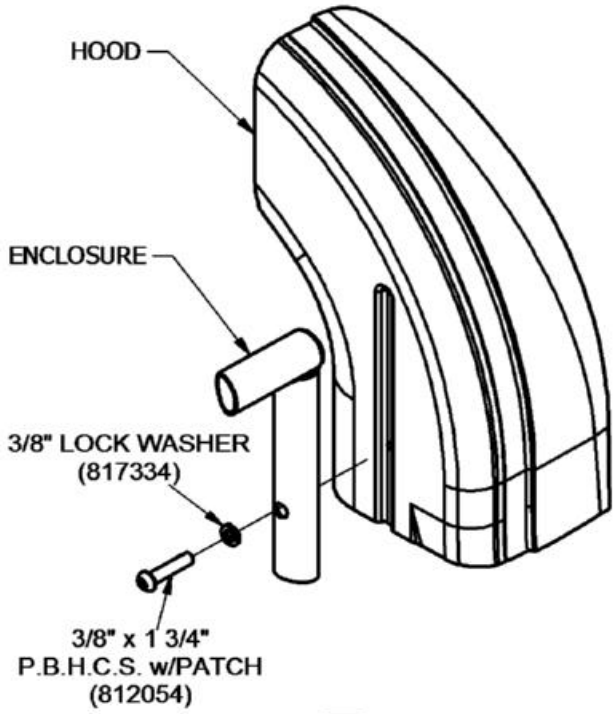


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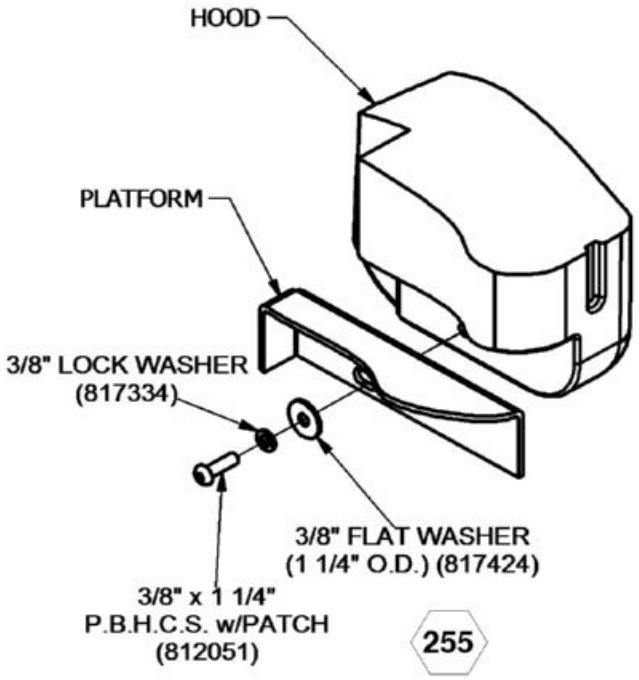


253

HURRICANE SPIRAL SLIDE WITH HOOD
71391 (4'-0"); 71392 (4'-8"); 71393 (5'-4"); 71394 (6'-0")

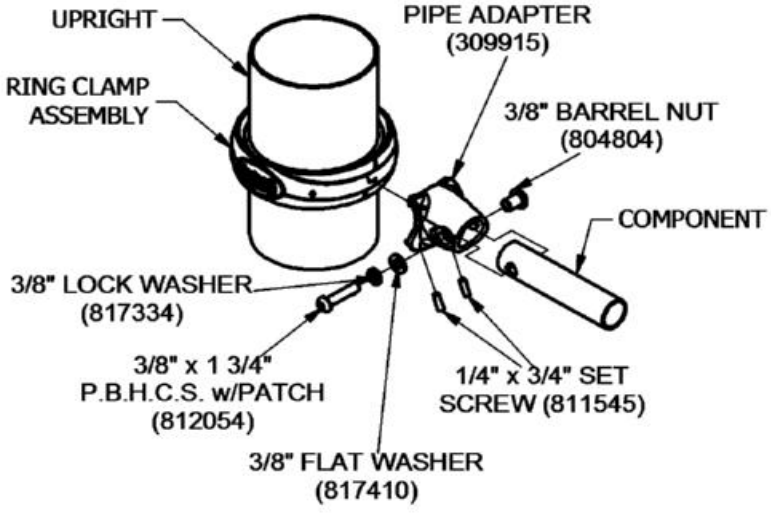


254



255

NOTE: PIPE ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS



448

SuperMax Play Systems

71395 Mini Panel
For Small Activities, See Installation Sheet 7200

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	MINI AMAZE PANEL	1	307676
2	MOUNTING BRACKET	2	404388
3	RING HALF CLAMP	2	309913
	-----HARDWARE COMPLETE-----	1	310746
	1/4" x 1" DRIVE RIVET	2	805302
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	812054
	3/8" FLAT WASHER	6	817410
	3/8" FLAT WASHER (1 1/4" O.D.)	8	817424
	3/8" BARREL NUT	2	804804
	3/8" HEAVY HEX NUT	4	804200

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. Select the appropriate Upright Post to receive the Mini Panel. Refer to your overhead drawing for location.

2. Mark position of Clamps on the Upright Post. See Elevation Views.

3. Attach Mounting Bracket to Upright using Ring Half Clamp, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Heavy Hex Nuts as shown in Detail 475.

4. Attach Mini Panel to Bracket using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers, and 3/8" Barrel Nuts as shown in Detail 539.

5. Plumb and level the Mini Panel, then tighten all fasteners.

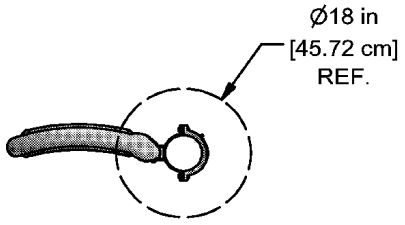
When structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also 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:

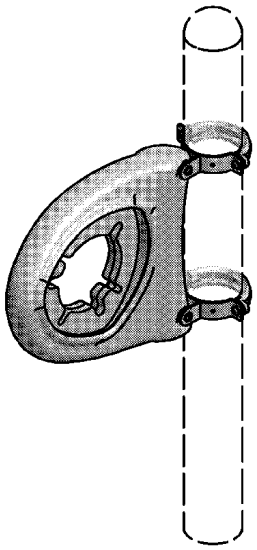
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.

71395 Mini Panel
For Small Activities, See Installation Sheet 7200

NOTE:
OPENING ON PANEL MUST BE FILLED WITH A SMALL ACTIVITY BEFORE PLAYGROUND IS OPERATIONAL.

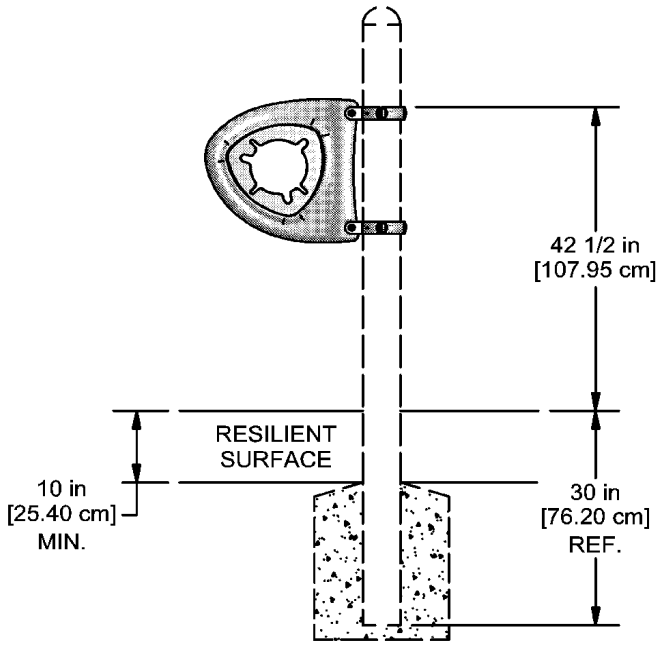


PLAN VIEW



UPRIGHT
SOLD SEPERATELY

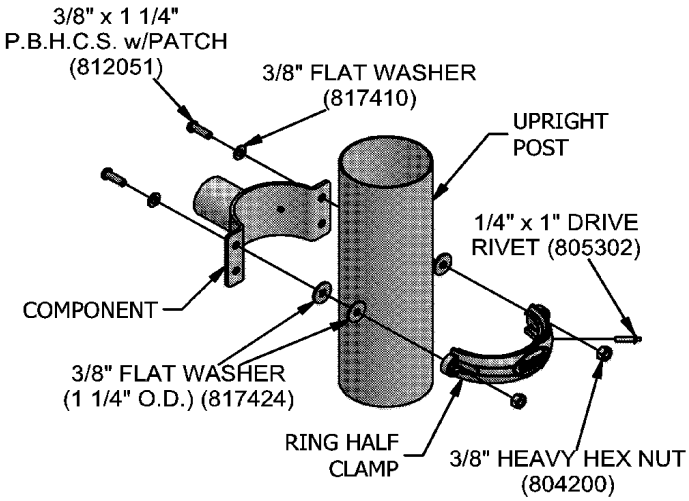
FINISHED ASSEMBLY



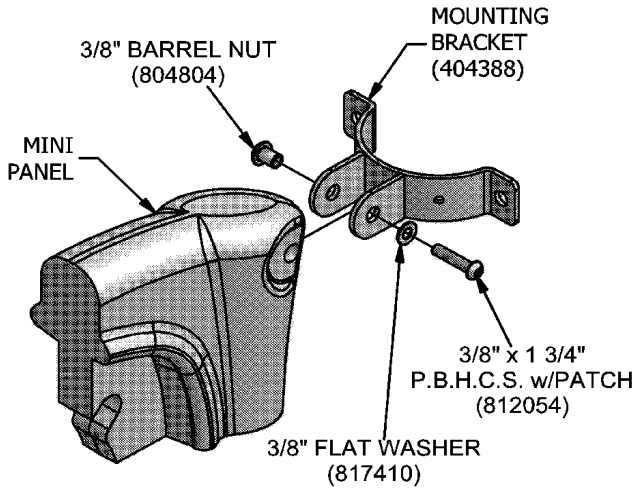
ELEVATION VIEW

⬡ = INSTALLATION DETAIL

71395 Mini Panel
For Small Activities, See Installation Sheet 7200



475



539

SuperMax Play Systems

71403 Spin & Win Panel

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	SPIN & WIN PANEL	1	310704
2	BRACING PANEL	4	300188
3	ROUND PANEL (RED)	2	301576
4	ROUND PANEL (BLUE)	2	301962
5	GAMEPIECE	1	301942
6	PIPE	1	300468
7	PANEL ADAPTER	4	309919
	-----HARDWARE COMPLETE-----	1	310706
	1/2" I.D. BRONZE BUSHING	2	102820
	1/4" x 3/4" SET SCREW	8	811545
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	4	812053
	3/8" x 2" P.B.H.C.S. w/PATCH	4	812055
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	812058
	3/8" FLAT WASHER	14	817410
	3/8" BARREL NUT	10	804804

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.
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. Determine which Upright Posts are to receive the Spin & Win Panel, refer to your overhead drawing for location.

2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.

3. Hook the Panel Adapters onto the Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 467.

4. Connect Spin & Win Panel to Panel Adapters using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washers and 3/8" Barrel Nuts as shown in Detail 467.

5. Insert Rung into Plastic Math Block making sure braille is at the bottom.

6. Put the Rung with the Plastic Math Block in the slot of the Spin & Win Panel. Then apply Bracing Panels using 3/8" x 2" P.B.H.C.S. w/Patch, 3/8" Barrel Nut, and 3/8" Flat Washer as shown in Detail 540.

7. Using Detail 541 as a reference: Insert 3/8" x 2 3/4" P.B.H.C.S. w/Patch with 3/8" Flatwasher into Round Panel. Put 3/8" Flatwasher, Bronze Bushing, and another 3/8" Flatwasher on the bolt. Put all this in routed path. Put 3/8" Barrel Nut in the other Round Panel and fasten everything together.

8. When the entire assembly is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow to cure at least 48 hours before use.

IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

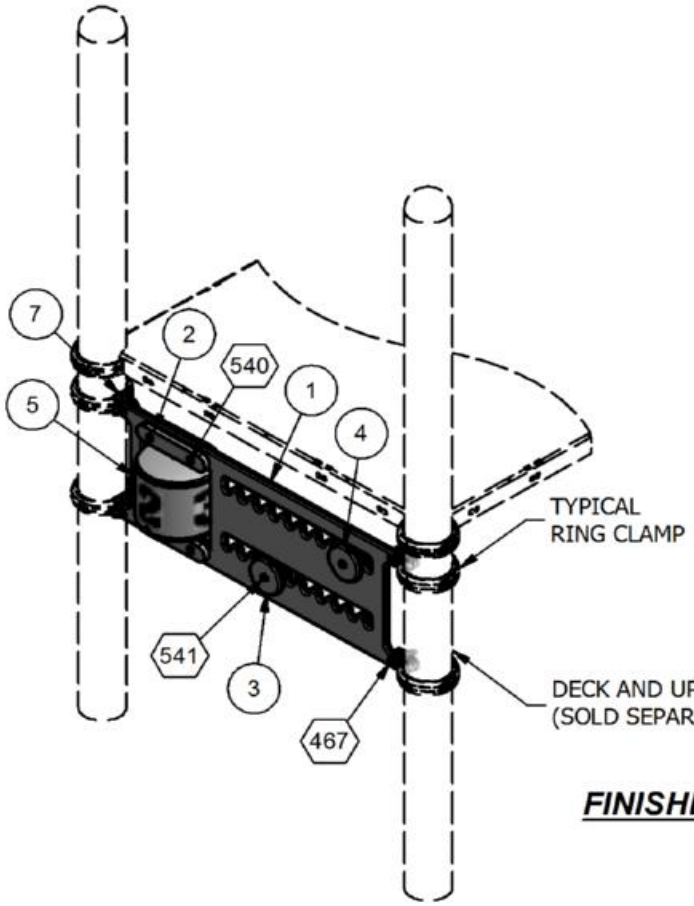
71403 Spin & Win Panel

When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

MAINTENANCE PROCEDURE:

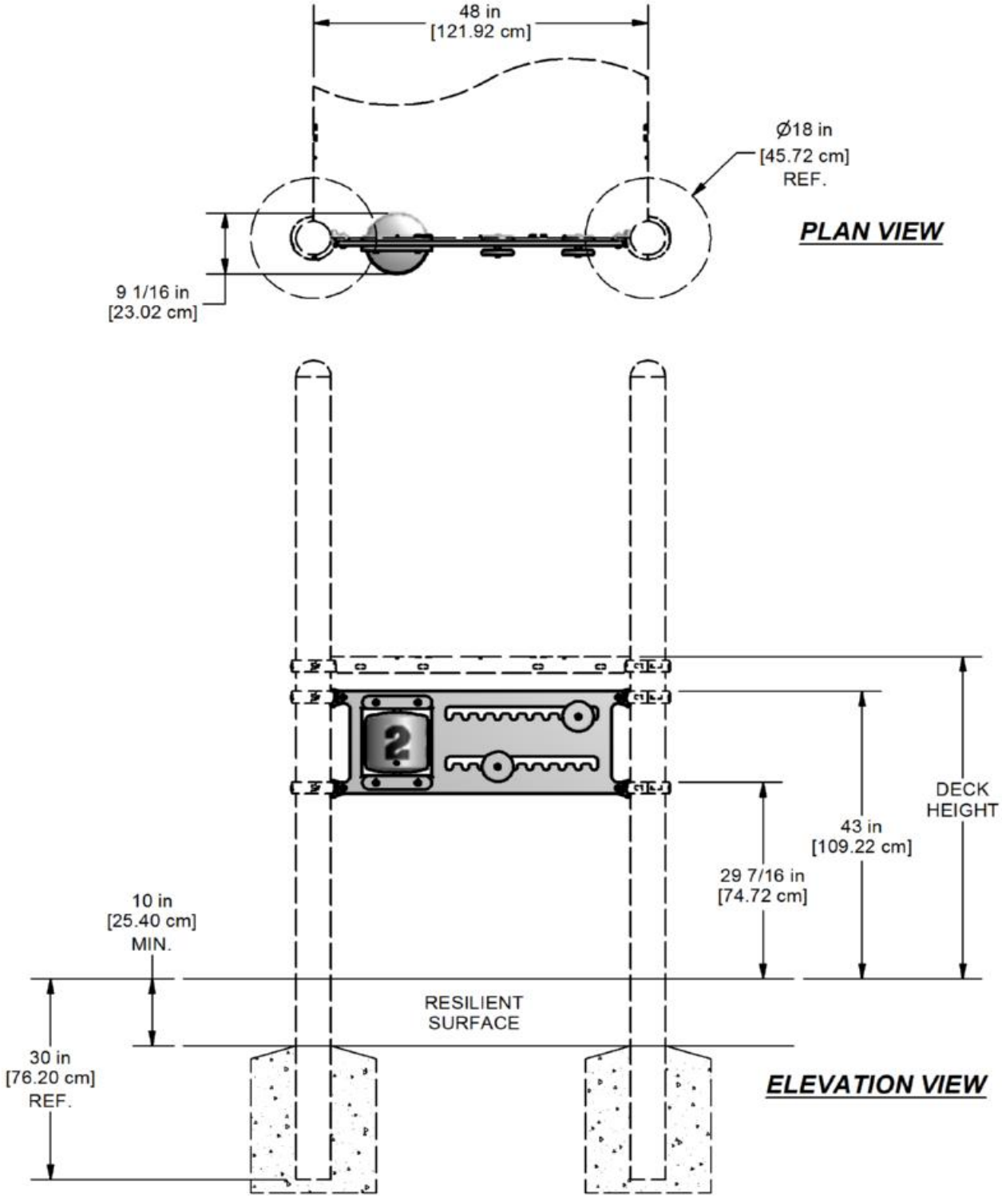
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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

⬡ = INSTALLATION DETAIL

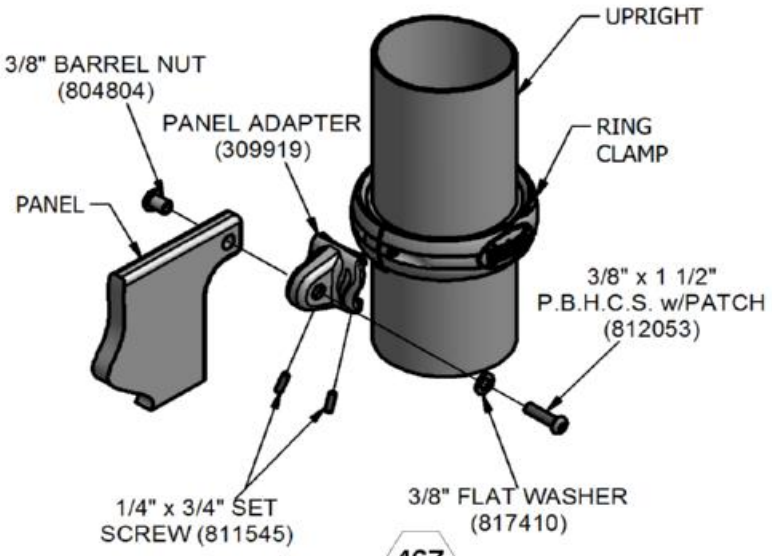
71403 Spin & Win Panel



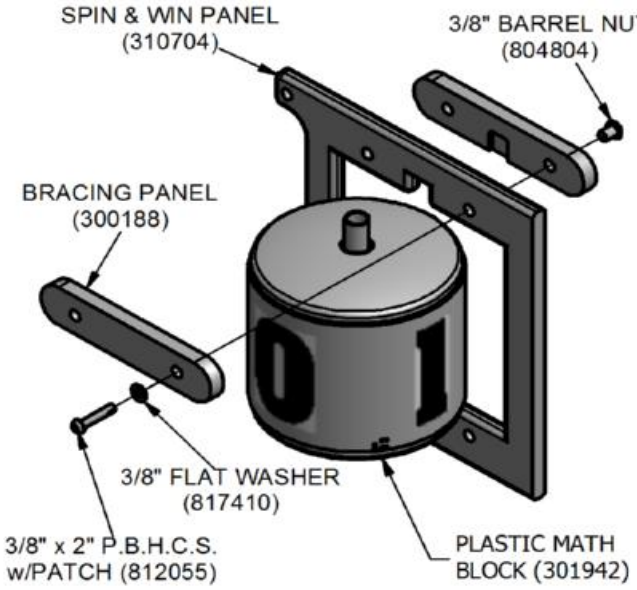
71403 Spin & Win Panel

NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

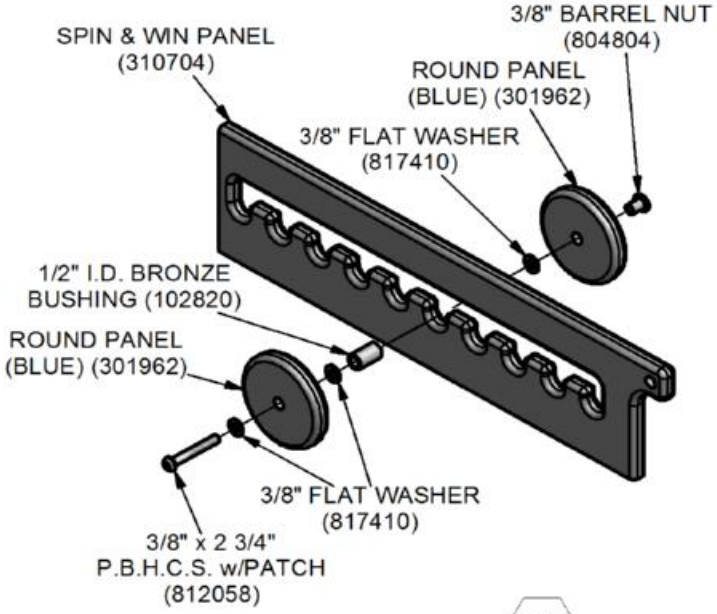
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.



467



540



541

SuperMax Play Systems

71464 Slide Transfer

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	TRANSFER PLATFORM	1	311035
2	UPRIGHT ASSEMBLY	2	309704
3	BARRIER	2	311045
4	DECK ADAPTER	4	309921
5	PIPE ADAPTER	4	309915
6	ALUMINUM END CAP	4	212993
	-----HARDWARE COMPLETE-----	1	311052
	1/4" x 3/4" SET SCREW	16	811545
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	4	812054
	3/8" FLAT WASHER	4	817410
	3/8" LOCK WASHER	8	817334
	3/8" FLAT WASHER (1 1/4" O.D.)	8	817424
	3/8" BARREL NUT	4	804804
	3/8" LOCK NUT	2	804353
	3/16" x 13/32" DRIVE RIVET	8	805366

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. Determine which deck is to receive the Slide Transfer, refer to your overhead drawing for location.

2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.

3. Hook Deck Adapters onto lower Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 447.

4. Attach Transfer Platform to Deck Adapters using 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Lock Washers as shown in Detail 447. Keep Slide Transfer supported.

5. Attach Pipe Adapters to Barrier using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washers, and 3/8" Barrel Nut as shown in Detail 448. Be aware of orientation as it is critical. Hook Pipe Adapters onto Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448. Attach Barrier to side of Slide Transfer using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Lock Nuts as shown in Detail 026.

6. Attach Upright Assemblies by Hooking Pipe Adapters onto Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448 and attaching Deck Adapters to Slide Transfer using 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Lock Washers as shown in Detail 447. Attach Caps to uprights using Detail 597.

IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

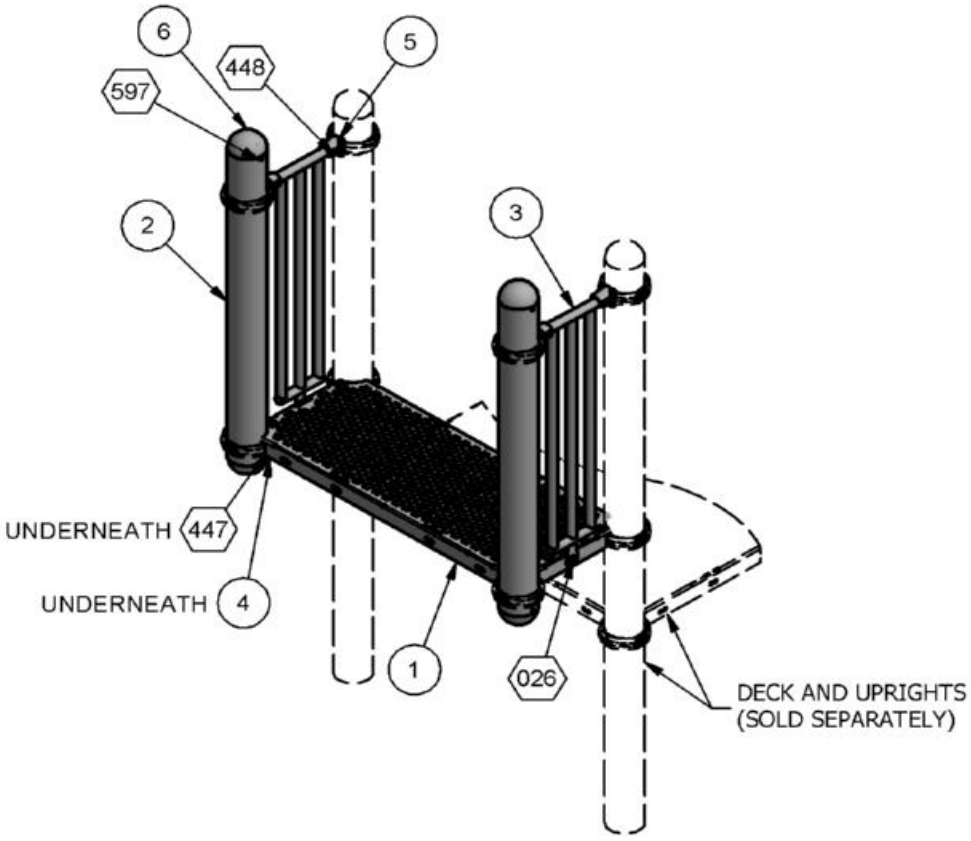
71464 Slide Transfer

When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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.*** Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

MAINTENANCE PROCEDURE:

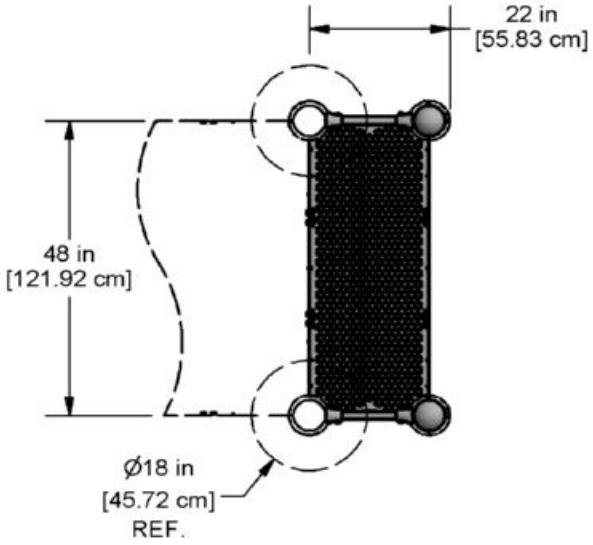
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.



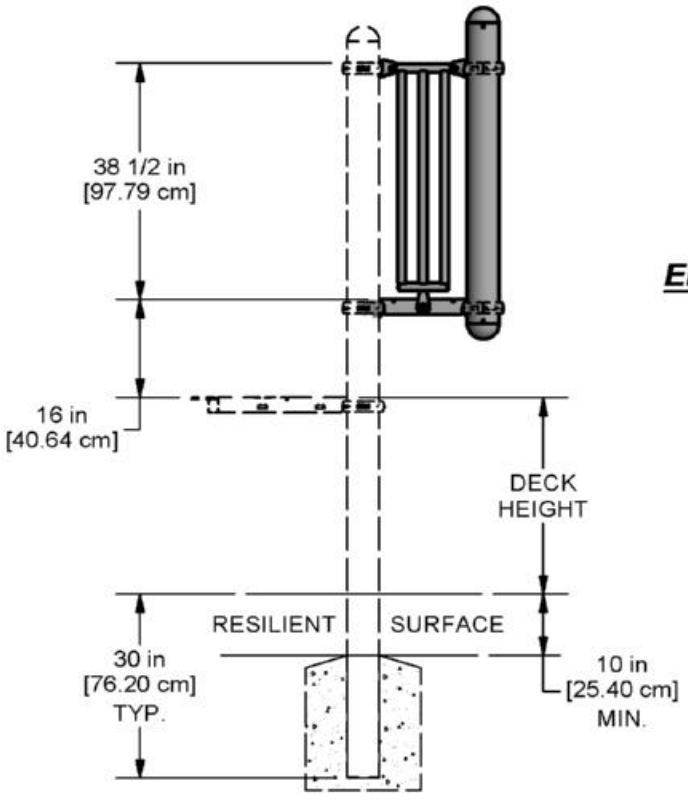
⬡ = INSTALLATION DETAIL

FINISHED ASSEMBLY

71464 Slide Transfer

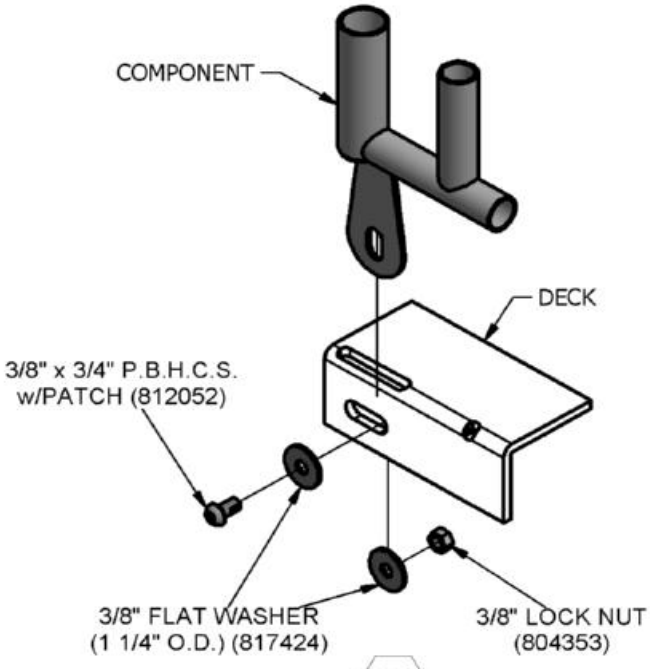


PLAN VIEW

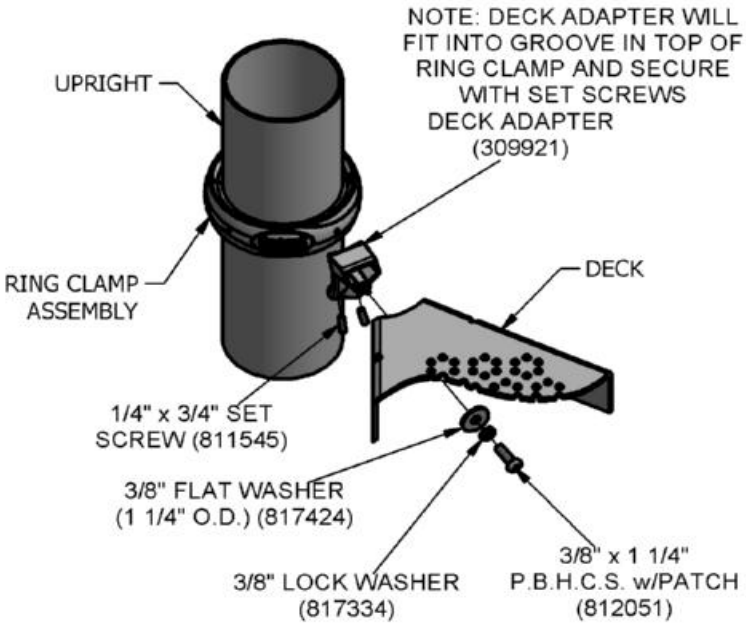


ELEVATION VIEW

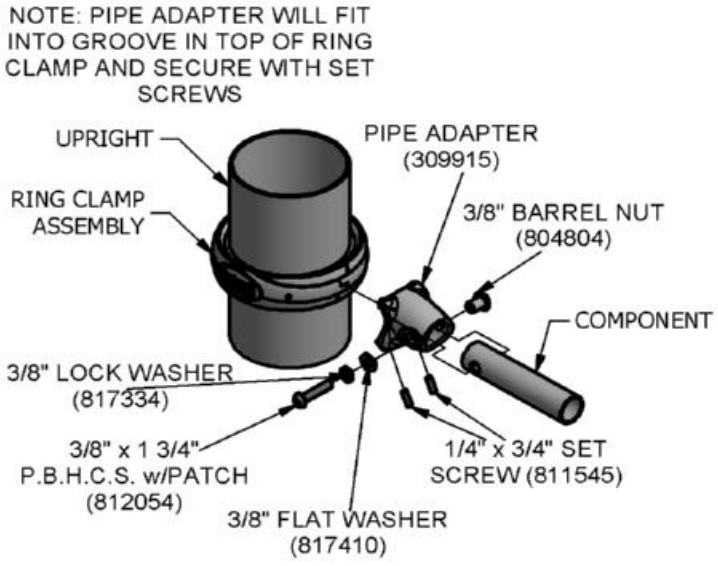
71464 Slide Transfer



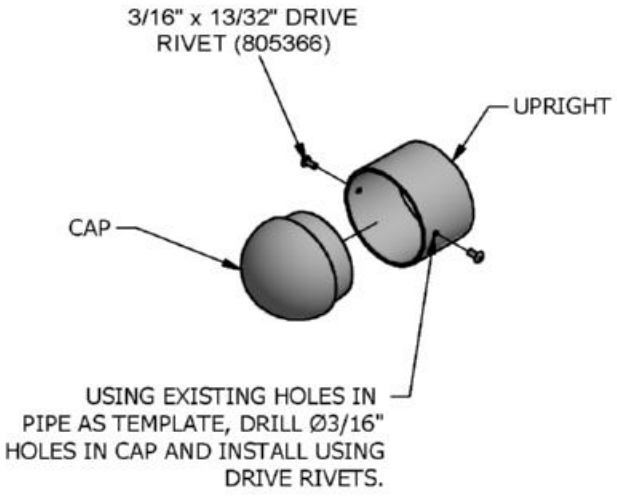
026



447



448



597

SuperMax Play Systems

Deck to Deck Stairs 71471 (1'-4" Rise); 71472 (2' Rise); 71473 (2'-8" Rise); 71474 (3'-4" Rise); 71475 (4' Rise)

Parts List							
ITEM	DESCRIPTION	71471	71472	71473	71474	71475	PART NUMBER
1	RIGHT BARRIER ASS'Y	1	0	0	0	0	312319
1	RIGHT BARRIER ASS'Y	0	1	0	0	0	312311
1	RIGHT BARRIER ASS'Y	0	0	1	0	0	312303
1	RIGHT BARRIER ASS'Y	0	0	0	1	0	312295
1	RIGHT BARRIER ASS'Y	0	0	0	0	1	312201
2	LEFT BARRIER ASS'Y	1	0	0	0	0	312315
2	LEFT BARRIER ASS'Y	0	1	0	0	0	312307
2	LEFT BARRIER ASS'Y	0	0	1	0	0	312299
2	LEFT BARRIER ASS'Y	0	0	0	1	0	312291
2	LEFT BARRIER ASS'Y	0	0	0	0	1	312199
3	COATED STAIRS (16" RISE)	1	0	0	0	0	307252
3	STAIRS (2' RISE)	0	1	0	0	0	307274
3	STAIRS (2'-8" RISE)	0	0	1	0	0	307281
3	STAIRS (3'-4" RISE)	0	0	0	1	0	307288
3	STAIRS (4' RISE)	0	0	0	0	1	307297
4	PIPE ADAPTER	4	4	4	4	4	309915
	-----HARDWARE COMPLETE-----	1	1	1	1	1	312329
	1/4" x 3/4" SET SCREW	8	8	8	8	8	811545
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	4	812052
	3/8" x 1" P.B.H.C.S. w/PATCH	4	4	4	4	4	812050
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	4	812054
	3/8" FLAT WASHER	4	4	4	4	4	817410
	3/8" FLAT WASHER (1 1/4" O.D.)	16	16	16	16	16	817424
	3/8" LOCK WASHER	4	4	4	4	4	817334
	3/8" BARREL NUT	4	4	4	4	4	804804
	3/8" LOCK NUT	8	8	8	8	8	804353

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.

Deck to Deck Stairs 71471 (1'-4" Rise); 71472 (2' Rise); 71473 (2'-8" Rise); 71474 (3'-4" Rise); 71475 (4' Rise)

INSTALLATION INSTRUCTIONS:

1. Locate the appropriate decks to attach the Stair.

2. With sufficient manpower, lift the stair and fasten to the decks using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 ¼" O.D.) and 3/8" Lock Nut. See Detail 090.

3. Attach four Ring Clamps to the Uprights. See separate Ring Clamp installation sheet. See Elevation View for clamp locations. Attach Pipe Adapters to the Ring Clamps using 1/4" x 3/4" set screws. See Detail 448.

4. Attach the Barriers to to the Pipe Adapters. See Detail 448.

5. Attach the bottom tab of the Barriers to the decks using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 ¼" O.D.) and 3/8" Lock Nut. See Detail 449.

6. Using Detail 448, attach the Pipe Adapters to the Ring Clamps with 1/4" Set Screws.

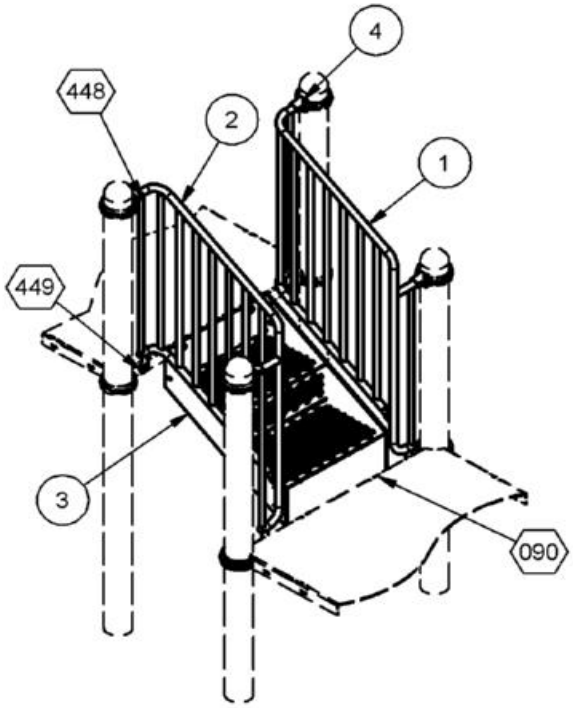
7. Plumb and Level the entire assembly.

8. When structure is finished and satisfactory, tighten all fasteners and install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp installation sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also 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:

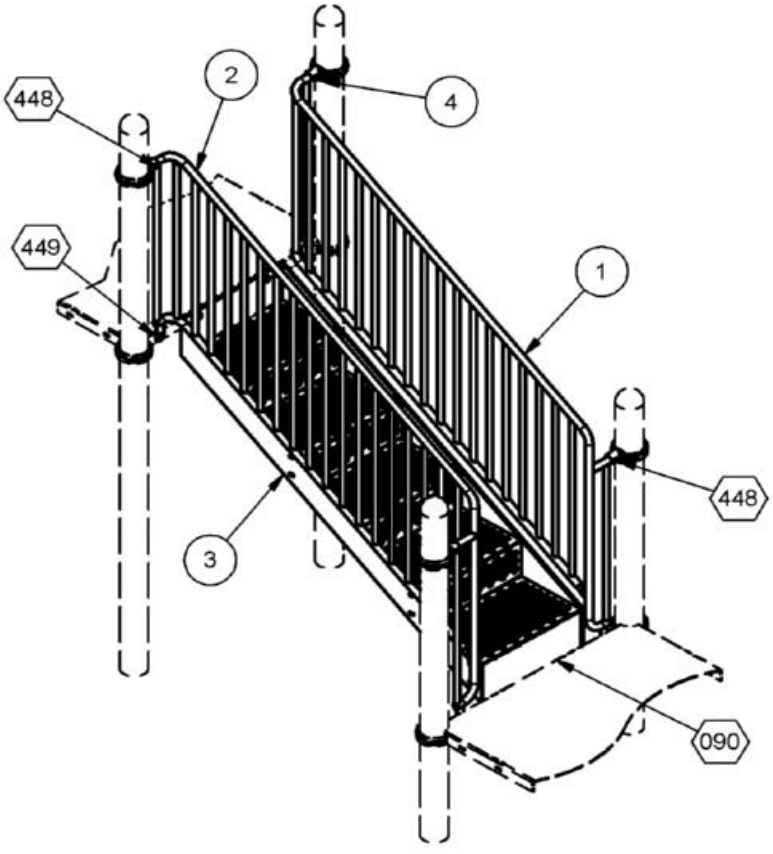
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.

Deck to Deck Stairs 71471 (1'-4" Rise); 71472 (2' Rise); 71473 (2'-8" Rise); 71474 (3'-4" Rise); 71475 (4' Rise)



71472 SHOWN

FINISHED ASSEMBLY

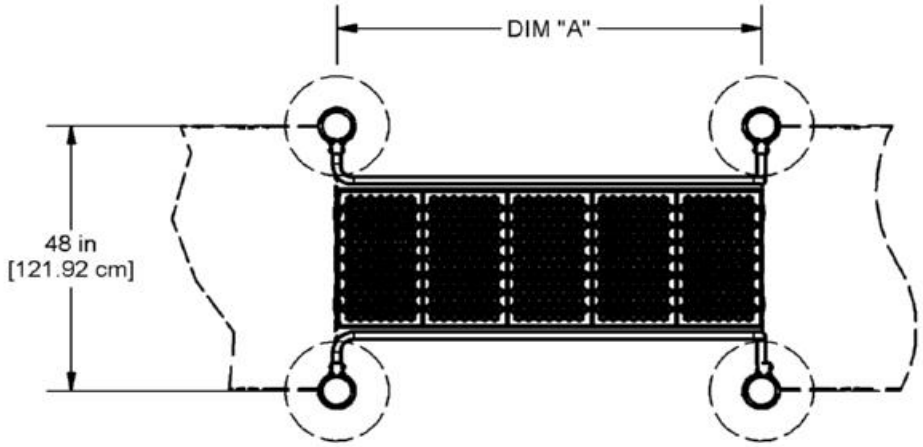


71475 SHOWN

DECKS AND UPRIGHTS SOLD SEPARATELY

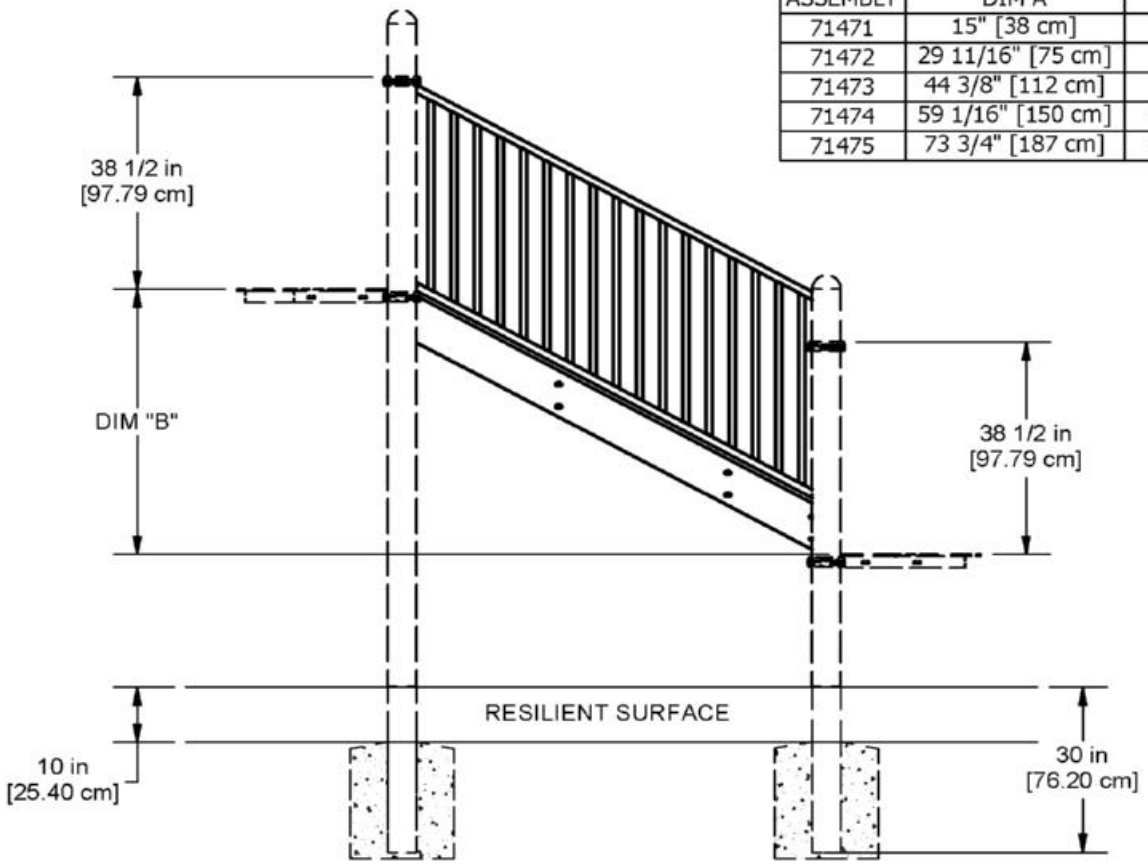
⬡ = INSTALLATION DETAIL

Deck to Deck Stairs 71471 (1'-4" Rise); 71472 (2' Rise); 71473 (2'-8" Rise); 71474 (3'-4" Rise); 71475 (4' Rise)



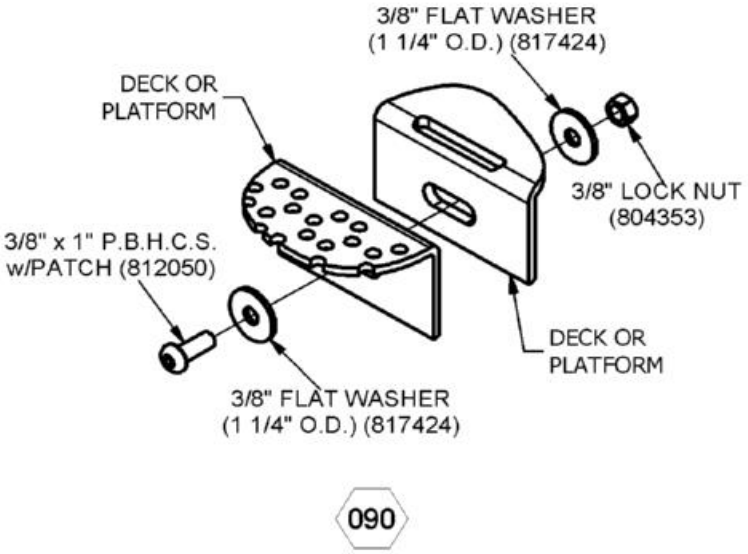
PLAN VIEW

ASSEMBLY	DIM A	DIM B
71471	15" [38 cm]	16" [40 cm]
71472	29 11/16" [75 cm]	24" [61 cm]
71473	44 3/8" [112 cm]	32" [81 cm]
71474	59 1/16" [150 cm]	40" [101 cm]
71475	73 3/4" [187 cm]	48" [121 cm]

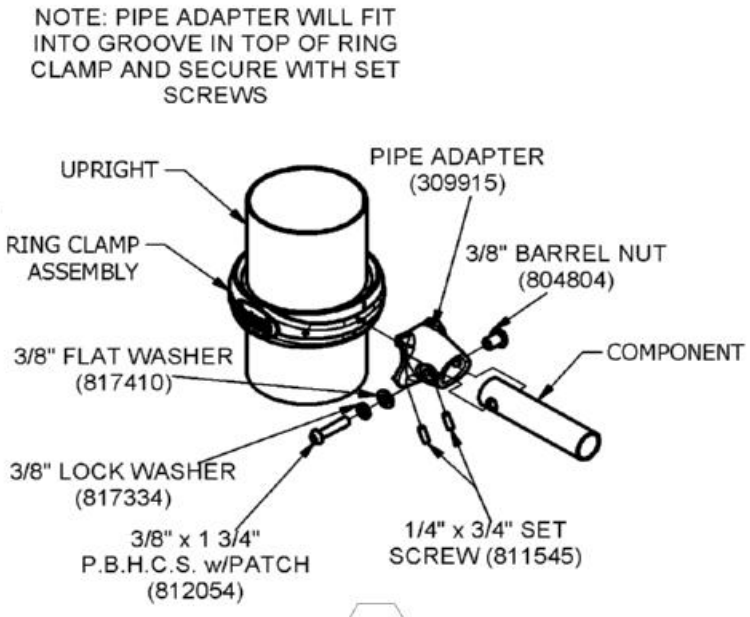


ELEVATION VIEW

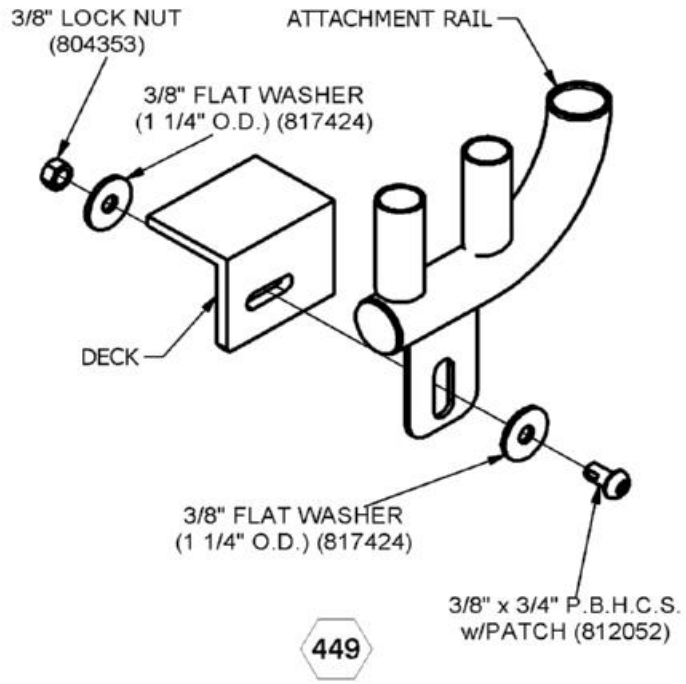
Deck to Deck Stairs 71471 (1'-4" Rise); 71472 (2' Rise); 71473 (2'-8" Rise); 71474 (3'-4" Rise); 71475 (4' Rise)



090



448



449

71503 Flat Cap Package

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	COATED FLAT CAP	1	139454
2	1/4" x 3/4" DRIVE RIVET	2	168449

Unless Otherwise Specified, All Units of Measure are Each
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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. Assemble using Drive Rivets as shown in Detail 622.

2. Drive Rivets must not interfer with Ring Clamp.

IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

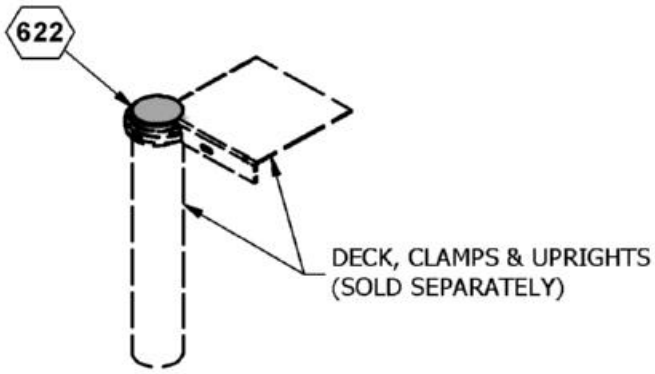
When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. 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*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

71503 Flat Cap Package

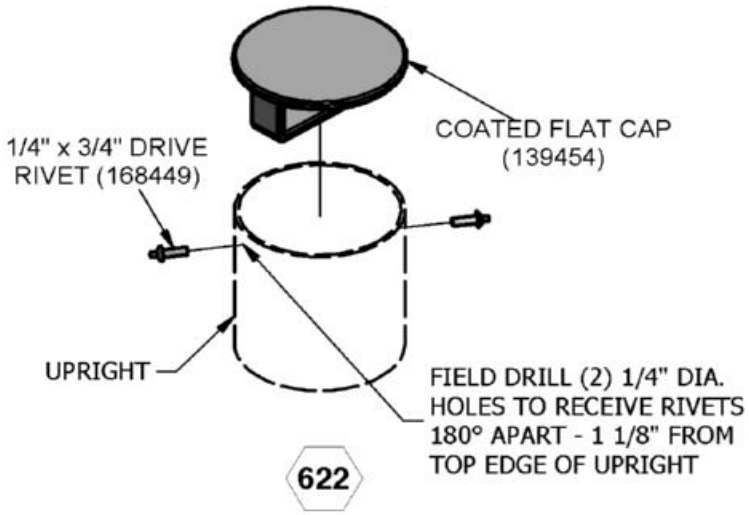
MAINTENANCE PROCEDURE:

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check 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.



GENERIC LENGTH POST SENT WITH ORDER. IF REQUIRED, CUT POSTS TO CORRECT LENGTH. TOP OF CAP MUST BE FLUSH WITH TOP SURFACE OF DECK.

FINISHED ASSEMBLY



⬡ = INSTALLATION DETAIL

SuperMax Play Systems

This equipment is designed for children 2-5 or 5-12 years old

71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION

Parts List												
DESCRIPTION	71674	71715	71675	71676	71677	71678	71902	71903	72207	72209	72210	PART NUMBER
FOOTBUCK WELD ASS'Y	0	0	0	0	0	0	0	1	0	0	0	204879
1' STRAIGHT SECTION	1	0	0	0	0	0	0	0	0	0	0	205962
CURVED LEFT SECTION	0	0	1	0	0	0	0	0	0	0	0	205963
CURVED RIGHT SECTION	0	0	0	1	0	0	0	0	0	0	0	205964
SPIRAL SECTION	0	0	0	0	0	0	0	0	0	0	0	206170
EXIT SECTION	0	0	0	0	1	0	0	0	0	0	0	206179
2' STRAIGHT SECTION	0	1	0	0	0	0	0	0	0	0	0	207601
LONG EXIT SECTION	0	0	0	0	0	0	0	1	0	0	0	211303
SUPPORT PIPE WELD ASSEMBLY	0	0	0	0	0	0	0	0	0	0	1	220777
SUPPORT ASS'Y 1	0	0	0	0	0	0	1	0	0	1	0	312634
SUPPORT ASS'Y 2	0	0	0	0	0	1	0	0	0	0	0	312637
FOOTBUCK	0	0	0	0	1	0	0	0	0	0	0	312779
BANKED CASCADE EXIT	0	0	0	0	0	0	0	0	1	0	0	316987
FOOTBUCK A	0	0	0	0	0	0	0	0	1	0	0	317194
FOOTBUCK B	0	0	0	0	0	0	0	0	1	0	0	317197
FOOTBUCK C	0	0	0	0	0	0	0	0	1	0	0	317200
SURGE SLIDE FOOTBUCK EXTENSION	0	0	0	0	0	0	0	0	3	0	0	317203
HARDWARE COMPLETE	1	0	0	0	0	0	0	0	0	0	0	207032
HARDWARE COMPLETE	0	1	1	1	0	0	0	0	0	0	0	207033
HARDWARE COMPLETE	0	0	0	0	0	0	0	1	0	0	0	207035
HARDWARE COMPLETE	0	0	0	0	0	0	1	0	0	0	0	207036
HARDWARE COMPLETE	0	0	0	0	1	0	0	0	0	0	0	312781
HARDWARE COMPLETE	0	0	0	0	0	1	0	0	0	1	1	312782
HARDWARE COMPLETE	0	0	0	0	0	0	0	0	1	0	0	317204
6" EXTENSION	0	0	0	0	0	0	0	1	0	0	0	151080
EXTENSION LEG	0	0	0	0	0	0	1	0	0	0	0	152110
3/8" x 3/4" P.B.H.C.S. w/PATCH	0	0	0	0	4	0	0	4	6	0	0	812052
3/8" x 1" P.B.H.C.S. w/PATCH	2	4	4	4	0	2	2	0	0	2	2	812050
3/8" x 2" P.B.H.C.S. w/PATCH	5	5	5	5	5	0	0	5	0	0	0	812055
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	0	0	0	0	0	0	0	0	5	0	0	812056
3/8" x 2 1/2" HEX HEAD BOLT	0	0	0	0	0	0	1	0	0	0	0	801009
3/8" x 2 3/4" HEX HEAD BOLT	0	0	0	0	0	0	0	0	3	0	0	801010
3/8" x 3 1/2" HEX HEAD BOLT	0	0	0	0	0	0	0	1	0	0	0	801013
3/8" FLATWASHER	0	0	0	0	4	2	2	4	0	2	2	817410
3/8" FLAT WASHER (1 1/4" O.D.)	6	6	6	6	6	0	0	6	5	0	0	817424
3/8" LOCK WASHER	5	5	5	5	5	2	2	10	14	2	2	817334
3/8" BARREL NUT LONG	5	5	5	5	5	0	0	5	5	0	0	804820
3/8" HEX NUT	0	0	0	0	0	0	1	1	3	0	0	804053
1/2" FLAT WASHER (1 3/8" O.D.)	6	6	6	6	6	0	0	6	5	0	0	817425

71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION

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. Assemble slide sections on the ground. Bolt each section together using 3/8" Barrel Nut, 1/2" Lockwasher, 1/2" Flat Washer, 1/2" Flat Washer (1 3/8" O.D.), and 3/8" x 2 1/2" Threaded Stud. See Detail 787. **Note:** Hand tighten the five bolts that join each section. **Note:** Refer to your unit's top view for proper placement and orientation of each slide section.

2. Starting at the top section, tighten the five bolts with a wrench. Tighten the top 2 bolts first, the bottom single bolt second, then the remaining 2 bolts as shown, See Figure #1.

3. It is important that each seam between slide sections are as tight as possible. Be sure that the seams are flush or higher on the upper piece. See Figure #2.

4. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 2 and 3 until seams are properly fitted.

5. Attach Footbuck to Exit Section using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher, and 3/8" Flatwasher. See Detail 195. **Note:** Check slide exit for proper water drainage before concrete is poured. **Note:** The slope of the exit region shall be between 0 and -10° as measured from a plane parallel to the underlying surface.

NOTE: Cut footbuck pipe and support pipe or adjust depth of footing holes to meet correct exit height as shown on exit height chart.

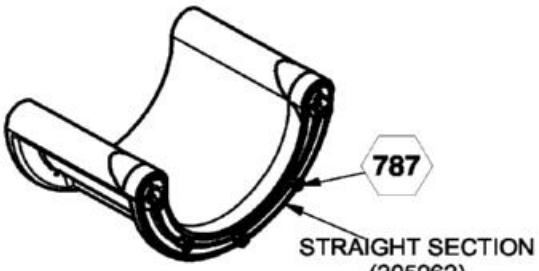
6. After the slide is adjusted and the bolts are tight, attach the slide supports (if required) using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Lockwasher and 3/8" Flat Washer. See Detail 788. **NOTE: Refer to overall top view for slide support location.**

7. Use Detail 789 to plug inserts in Straight and Curved Sections as required with 3/8" x 1" P.B.H.C.S. w/Patch.

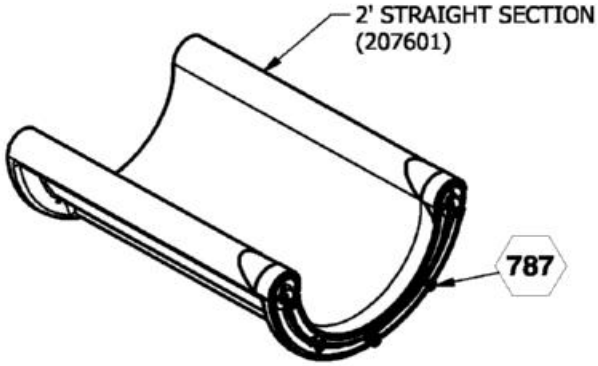
MAINTENANCE PROCEDURE:

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.

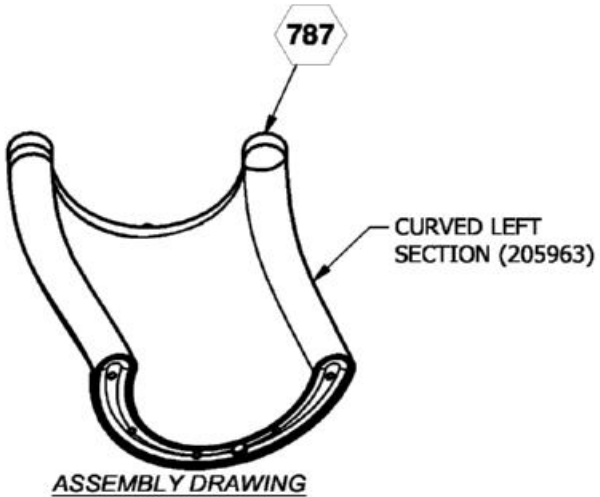
71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION



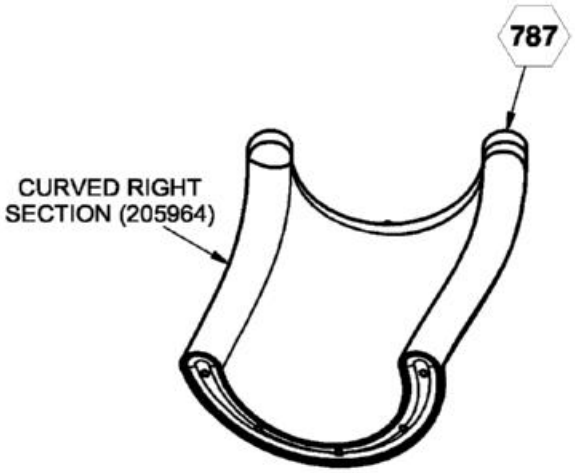
ASSEMBLY DRAWING
71674 SHOWN



ASSEMBLY DRAWING
71715 SHOWN



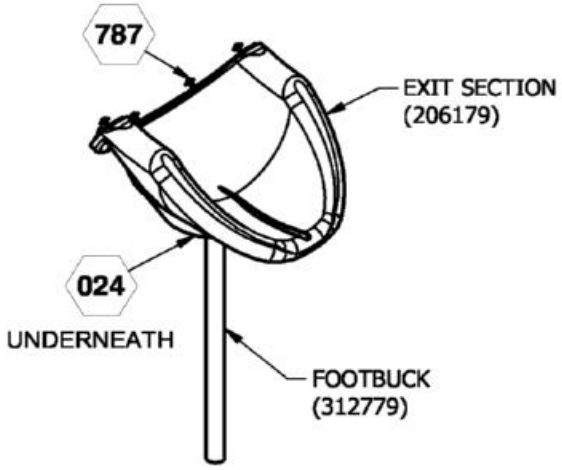
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71675 SHOWN



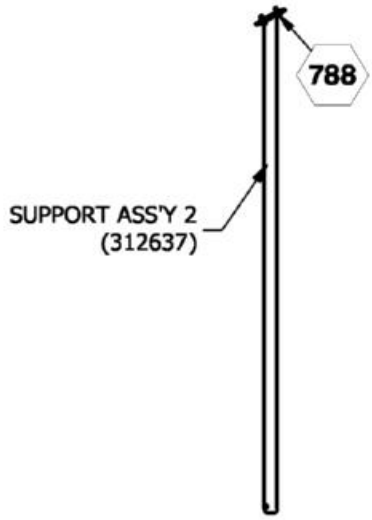
ASSEMBLY DRAWING
71676 SHOWN

⬡ = INSTALLATION DETAIL

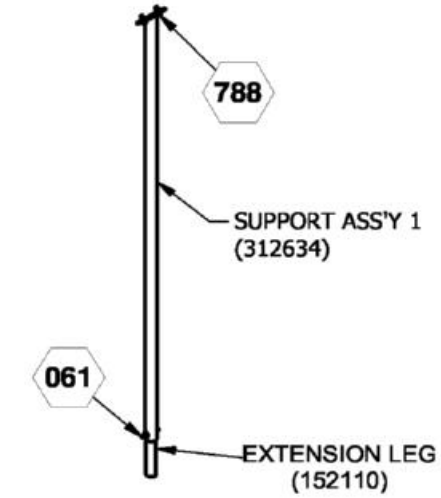
71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION



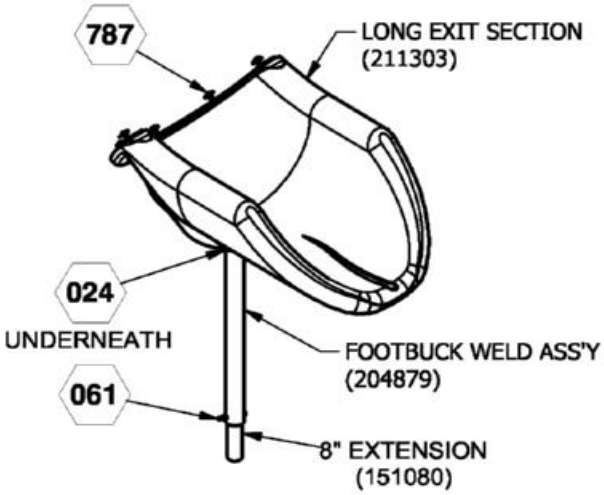
ASSEMBLY DRAWING
71677 SHOWN



ASSEMBLY DRAWING
71678 SHOWN



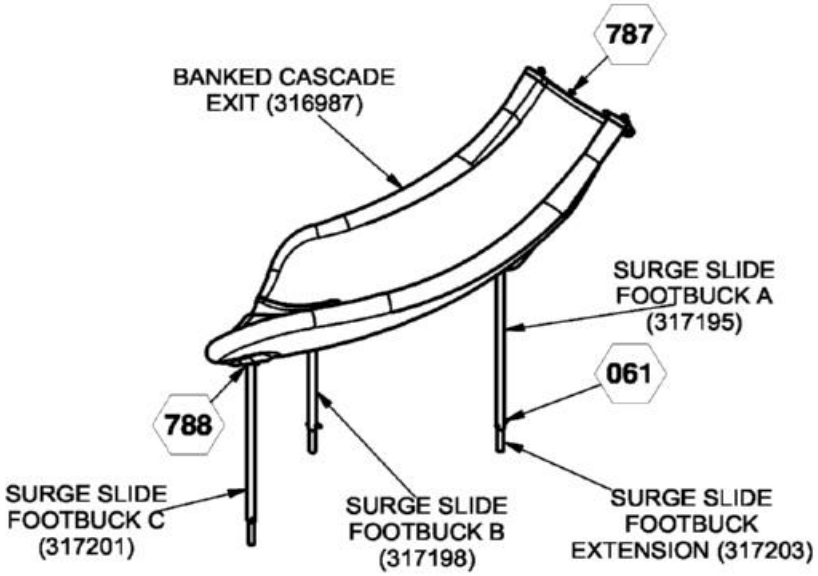
ASSEMBLY DRAWING
71902 SHOWN



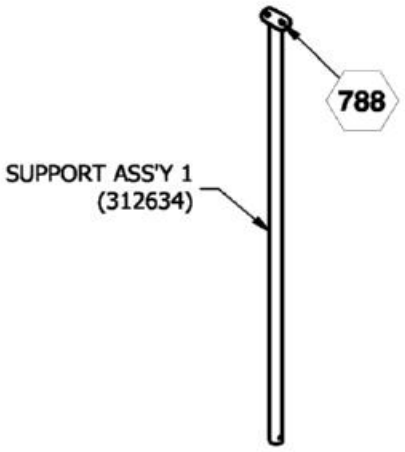
ASSEMBLY DRAWING
71903 SHOWN

⬡ = INSTALLATION DETAIL

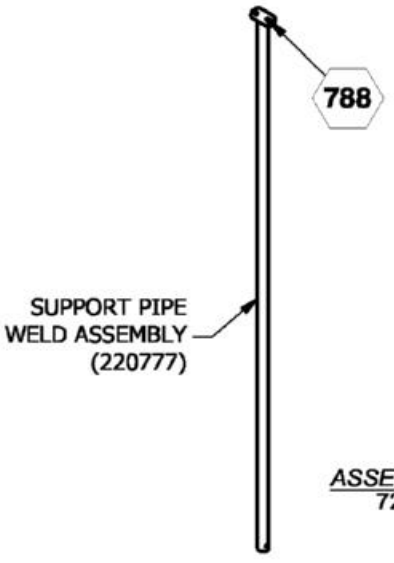
71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION



ASSEMBLY DRAWING
72207 SHOWN



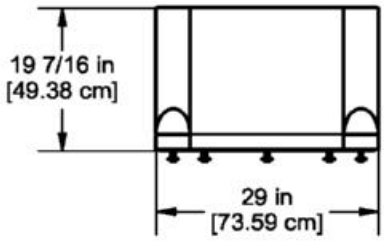
ASSEMBLY DRAWING
72209 SHOWN



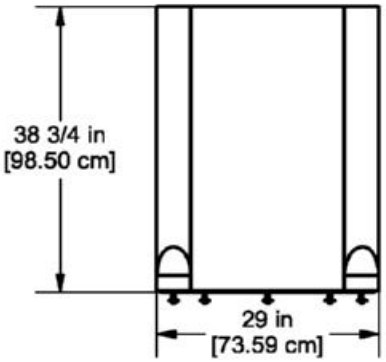
ASSEMBLY DRAWING
72210 SHOWN

⬡ = INSTALLATION DETAIL

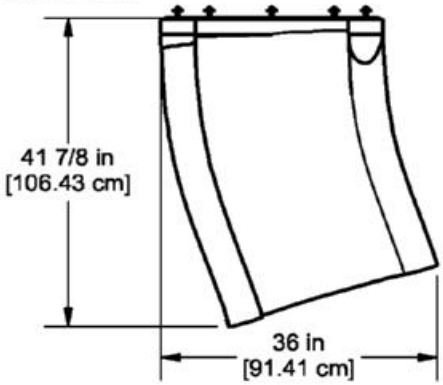
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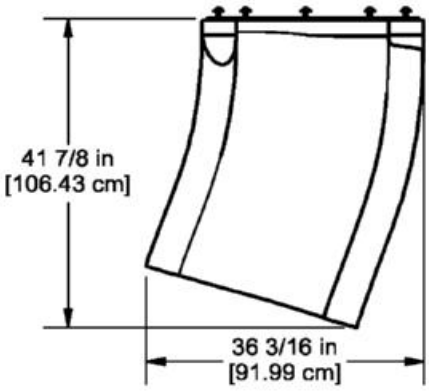
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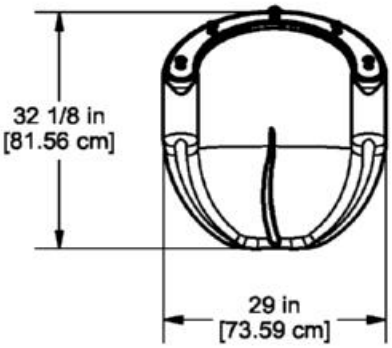
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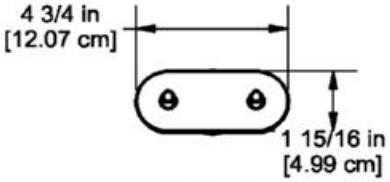
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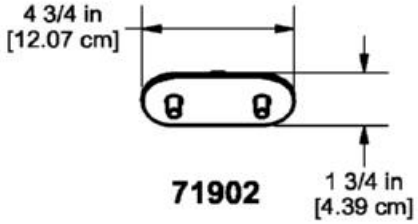
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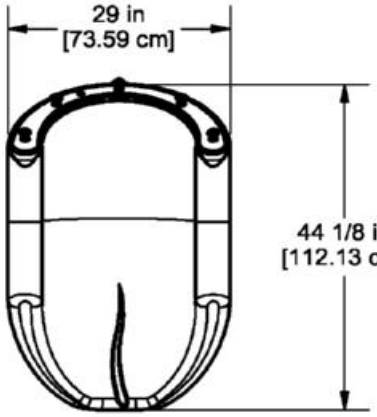
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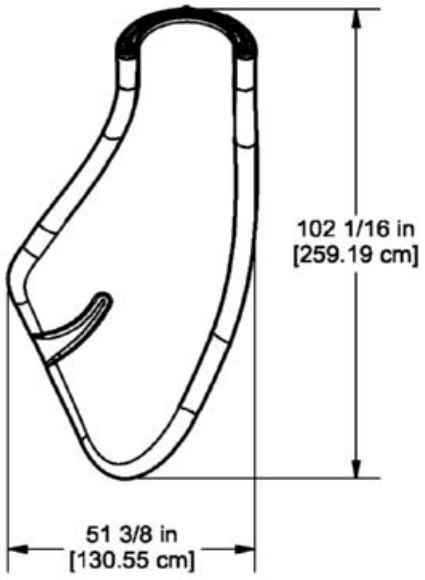
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71902



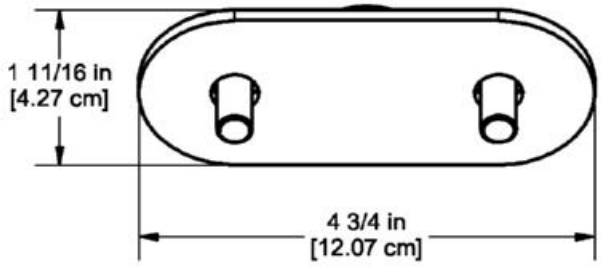
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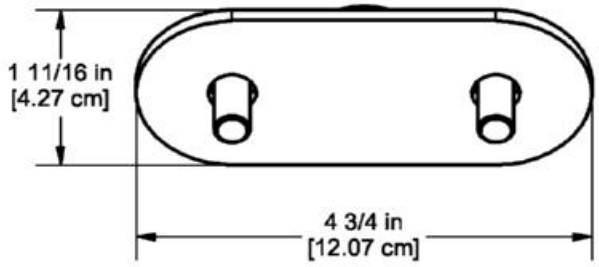
72207

TOP VIEWS

71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION



72209



72210

TOP VIEWS

71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION

EXIT HEIGHT CHART -for- 4' and Under	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	11" OR LESS
CSA	275mm OR LESS
EN	200mm OR LESS

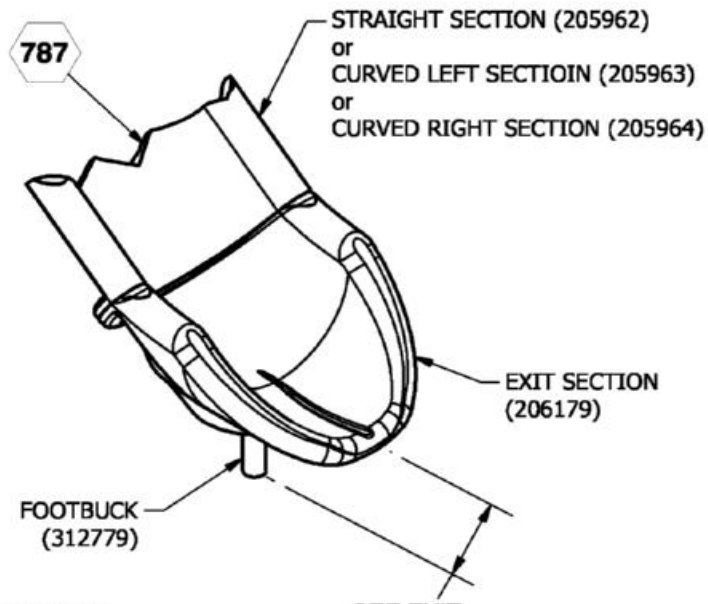
EXIT HEIGHT CHART -for- 4' 8" and Over	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	7" TO 15"
CSA	175mm TO 380mm
EN	350mm OR LESS

NOTE: BEDWAY MUST NOT EXCEED 50° DOWNWARD ANGLE PER ASTM AND CSA STANDARD.

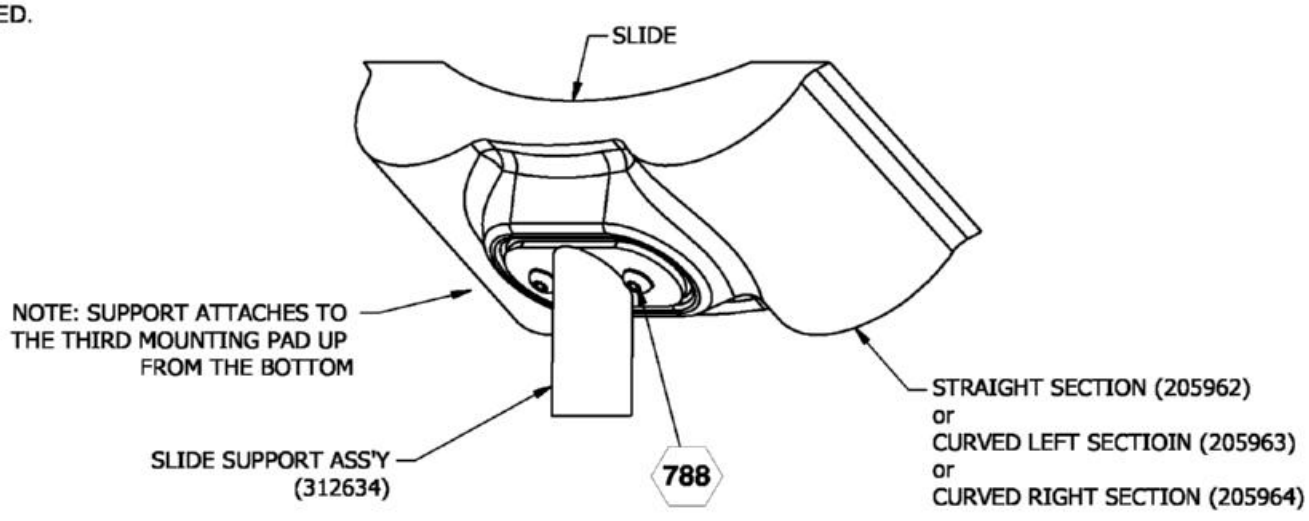
NOTE: THE SLOPE OF THE EXIT REGION SHALL BE BETWEEN 0 AND -10° AS MEASURED FROM A PLANE PARALLEL TO THE UNDERLYING SURFACE.

NOTE: CUT FOOTBUCK AND SUPPORT PIPE OR ADJUST DEPTH OF FOOTING HOLES TO MEET CORRECT EXIT HEIGHT AS SHOWN ON EXITH HEIGHT CHART.

NOTE: CHECK SLIDE EXIT FOR PROPER WATER DRAINAGE BEFORE CONCRETE IS POURED.



EXIT SECTION
ASSEMBLY DRAWING



SLIDE SUPPORT
ASSEMBLY DRAWING

71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION

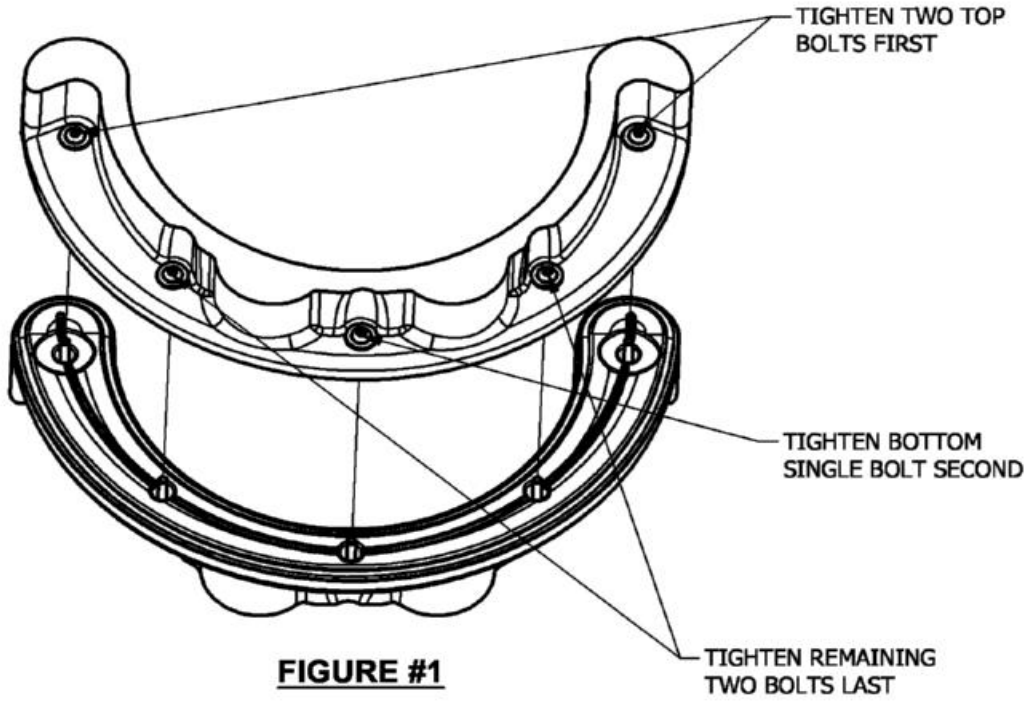


FIGURE #1

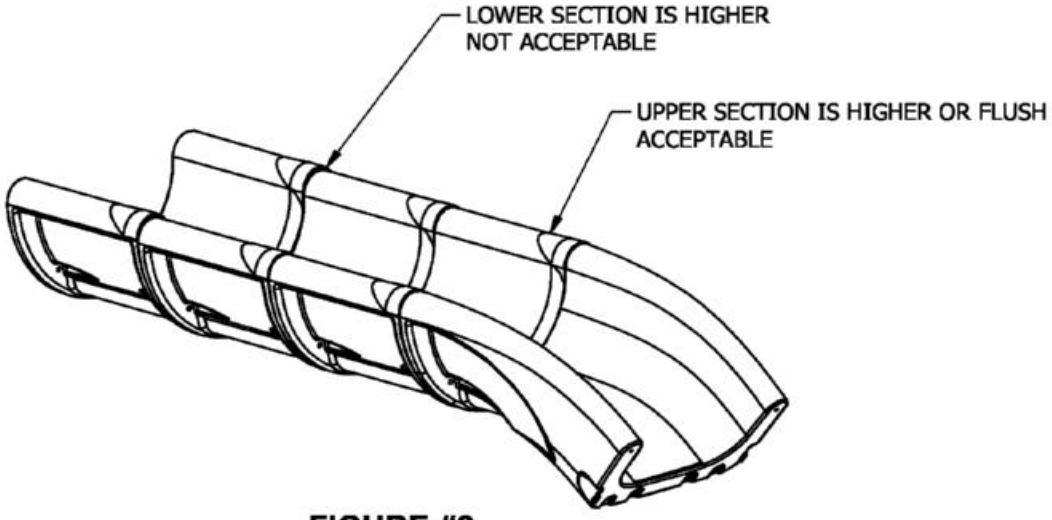
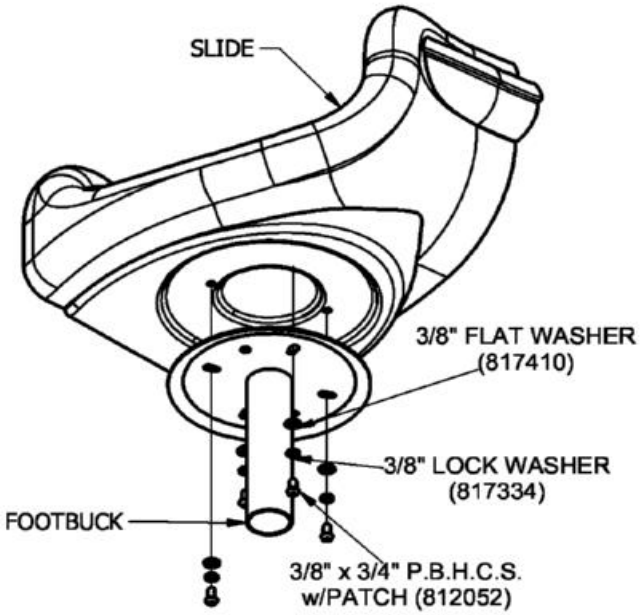


FIGURE #2

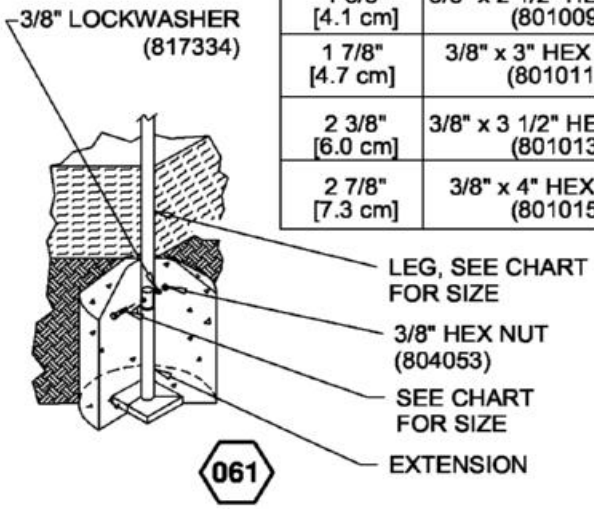
71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION



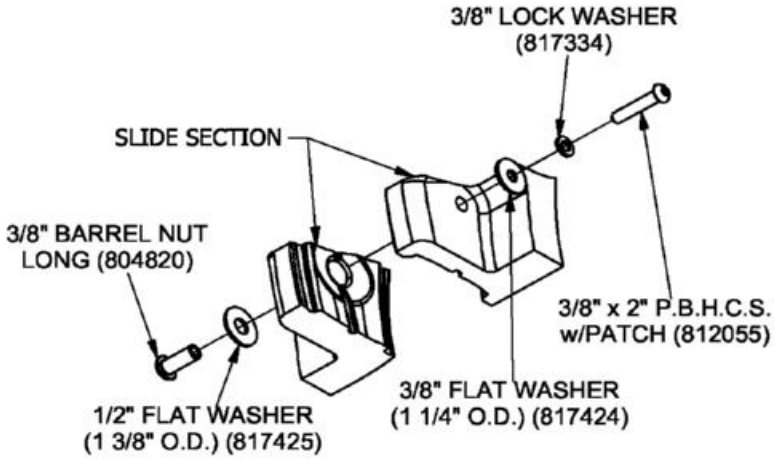
SOME SLIDES WILL ONLY HAVE TWO BOLTS PER FOOTBUCK CONNECTION

024

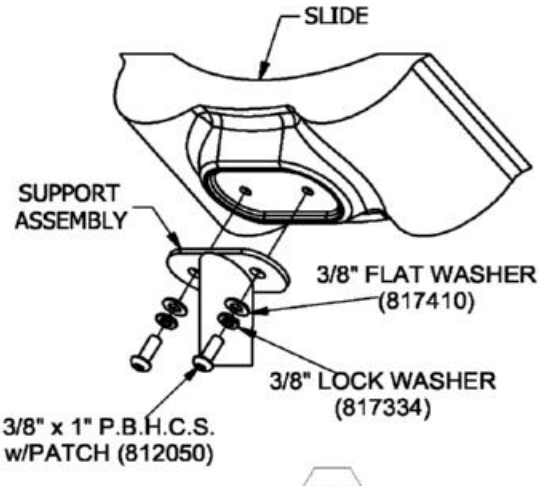
LEG (PIPE DIA.)	BOLT REQUIRED
1 5/16" [3.3 cm]	3/8" x 2" HEX HEAD (801007)
1 5/8" [4.1 cm]	3/8" x 2 1/2" HEX HEAD (801009)
1 7/8" [4.7 cm]	3/8" x 3" HEX HEAD (801011)
2 3/8" [6.0 cm]	3/8" x 3 1/2" HEX HEAD (801013)
2 7/8" [7.3 cm]	3/8" x 4" HEX HEAD (801015)



061

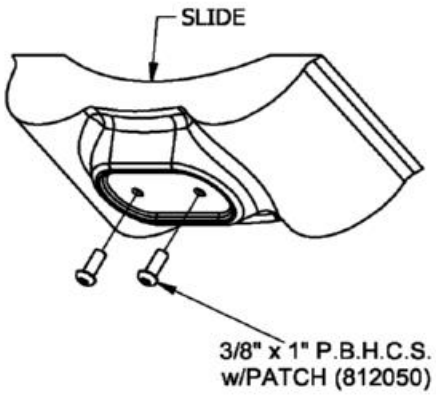


787



788

71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION



789

71886 ORIGAMI CENTER ARCHWAY

Parts List		
DESCRIPTION	QTY	PART NUMBER
PIPE ADAPTER	2	309915
ORIGAMI ENTRYWAY METAL BARRIER ASS'Y	1	314781
HARDWARE COMPLETE	1	314800
1/4" x 3/4" SET SCREW	4	811545
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	812054
3/8" x 1" P.B.H.C.S. w/PATCH	4	812050
3/8" LOCK WASHER	2	817334
3/8" FLAT WASHER	2	817410
3/8" FLAT WASHER (1 1/4" O.D.)	8	817424
3/8" LOCK NUT	4	804353
3/8" BARREL NUT	2	804804

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.

71886 ORIGAMI CENTER ARCHWAY

INSTALLATION INSTRUCTIONS:

1. Determine which openings receive Origami Center Archway. See Order Top View.

2. Attach Ring Clamps to Uprights. See Ring Clamp Installation Sheet.

3. Attach Pipe Adapter to Origami Entryway Metal Barrier Ass'y using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 448.

4. Attach Origami Entryway Metal Barrier Ass'y with Pipe Adapter to Ring Clamp using 1/4" x 3/4" Set Screws. See Detail 448.

5. Attach Origami Entryway Metal Barrier Ass'y to Deck using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), and 3/8" Lock Nut. See Detail 318.

6. Plumb and level the entire assembly and tighten all fasteners.

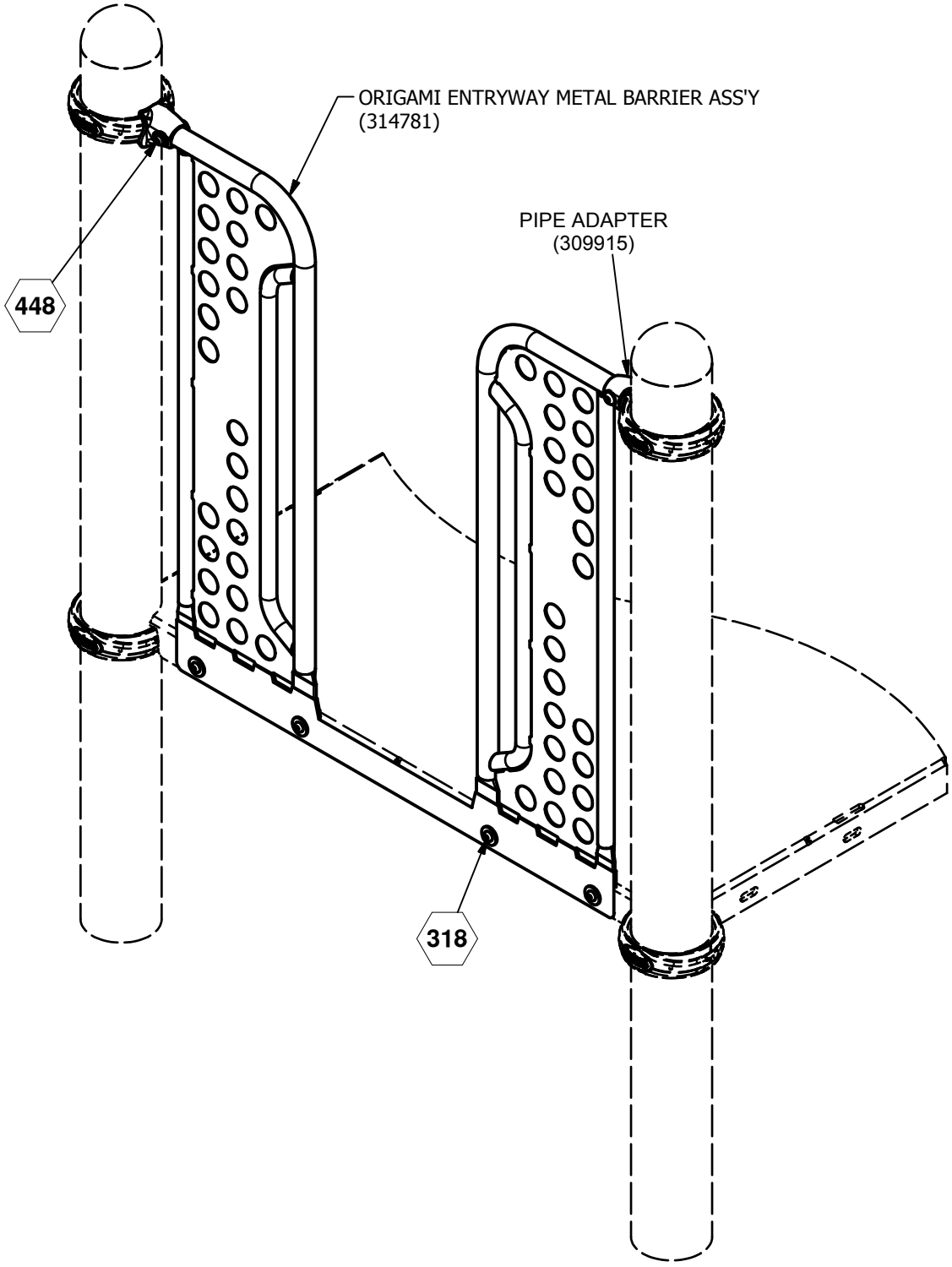
IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

7. When the structure is finished and satisfactory, tighten all fasteners and install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also 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.

71886 ORIGAMI CENTER ARCHWAY



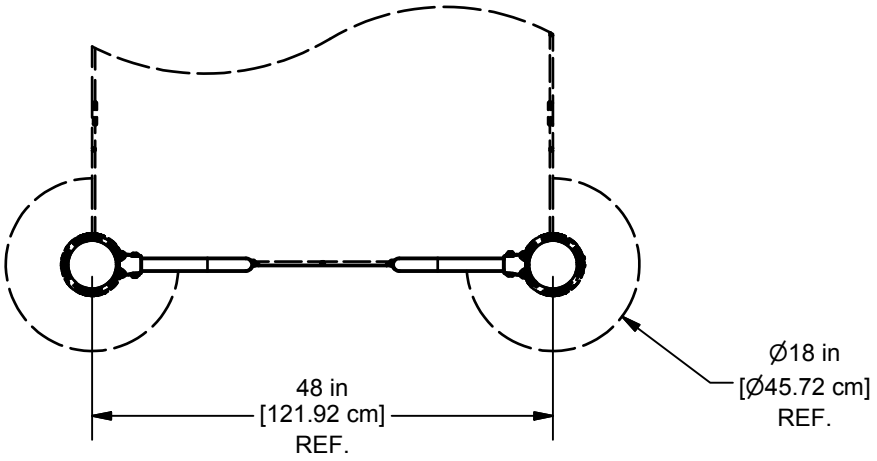
⬡ = INSTALLATION DETAIL

Issued/Revised: 8/1/2018

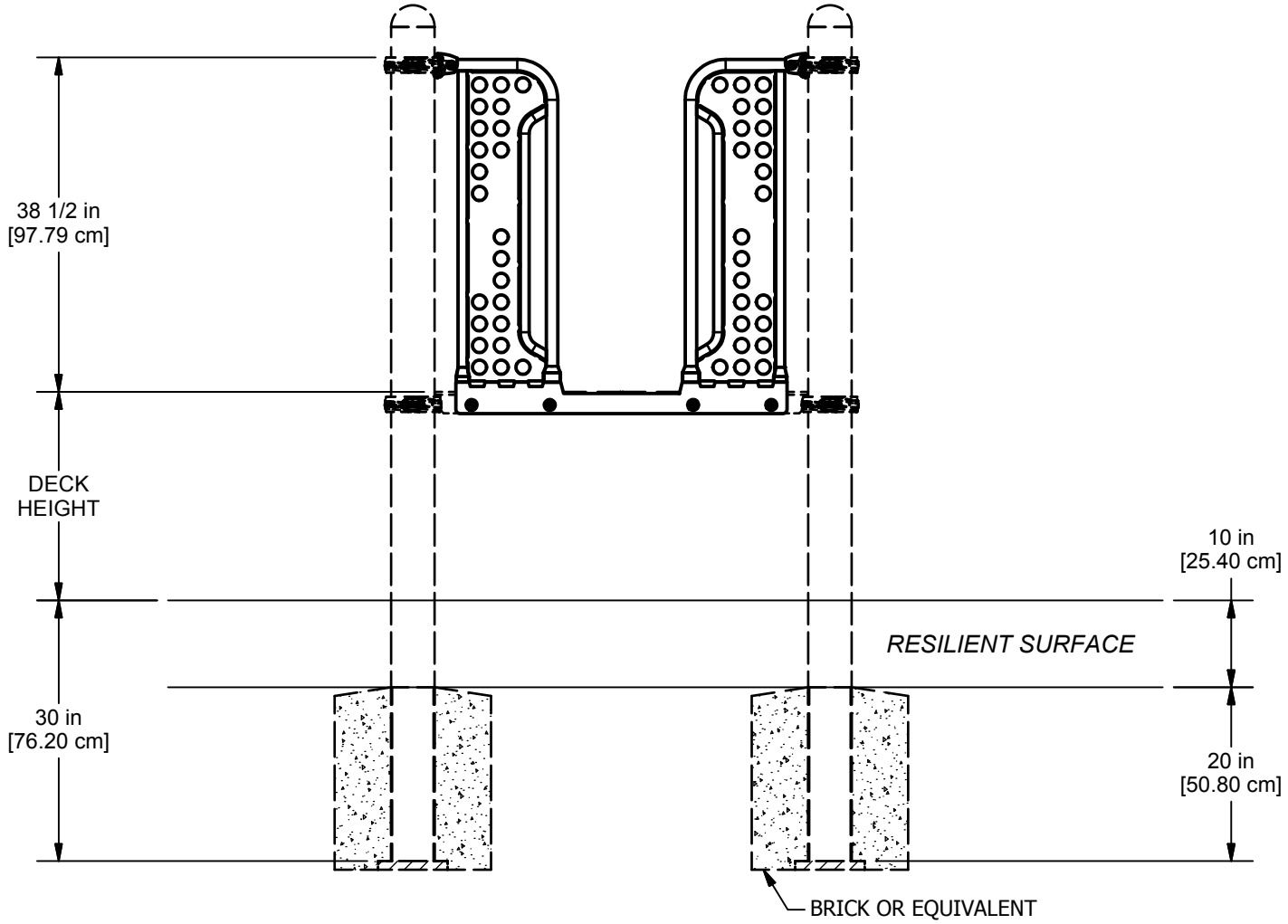
FINISHED ASSEMBLY

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

71886 ORIGAMI CENTER ENTRYWAY

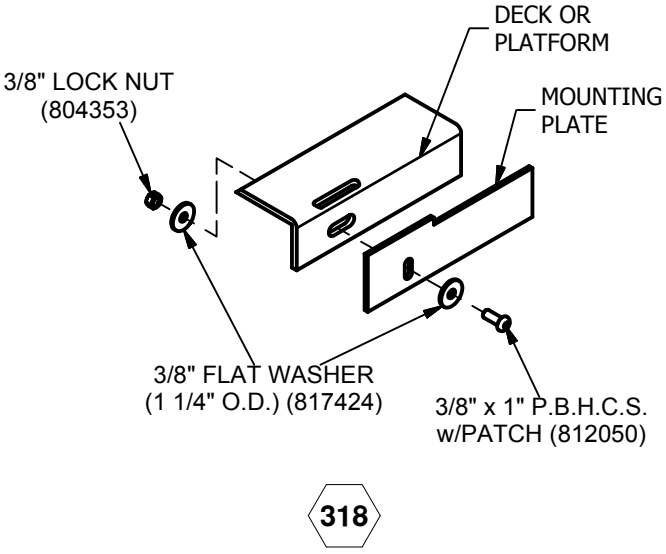


PLAN VIEW

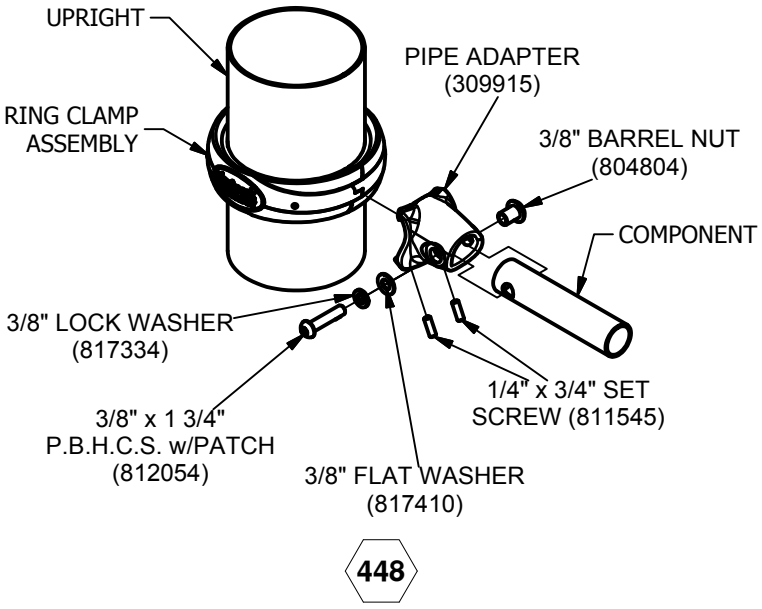


ELEVATION VIEW

71886 ORIGAMI CENTER ENTRYWAY



NOTE: PIPE ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS



SuperMax Play Systems

72159 SUPERMAX 10' x 10' SHADE 1' TO 6'
72160 SUPERMAX 10' x 10' SHADE 6'-8" TO 8'

Parts List			
DESCRIPTION	72159	72160	PART NUMBER
10' SQUARE FABRIC PACKAGE	1	1	223002
CABLE CLAMPS	4	4	**
10' SQUARE SHADE FABRIC	1	1	**
3/16" CABLE, 50'-0" LG	1	1	**
10' RAFTER	4	4	223018
SHADE CROWN WELD ASSEMBLY	1	0	223039
SHADE CROWN WELD ASSEMBLY	0	1	223046
IN-GROUND EXTENSION	1	1	223118
GLIDE ELBOW	4	4	316306
HARDWARE COMPLETE	1	1	316969
1/4" x 1" SELF TAPPING TORX w/PATCH	8	8	HWS0021
3/8" x 1 1/4" SELF TAPPING TORX w/PATCH	8	8	HWS0081
1/2" x 4" HEX HEAD BOLT	4	4	801215
1/2" LOCKNUT	4	4	804355
1/2" ANCHOR ROD	2	2	135038

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.

72159 SUPERMAX 10' x 10' SHADE 1' TO 6'
72160 SUPERMAX 10' x 10' SHADE 6'-8" TO 8'

INSTALLATION INSTRUCTIONS:

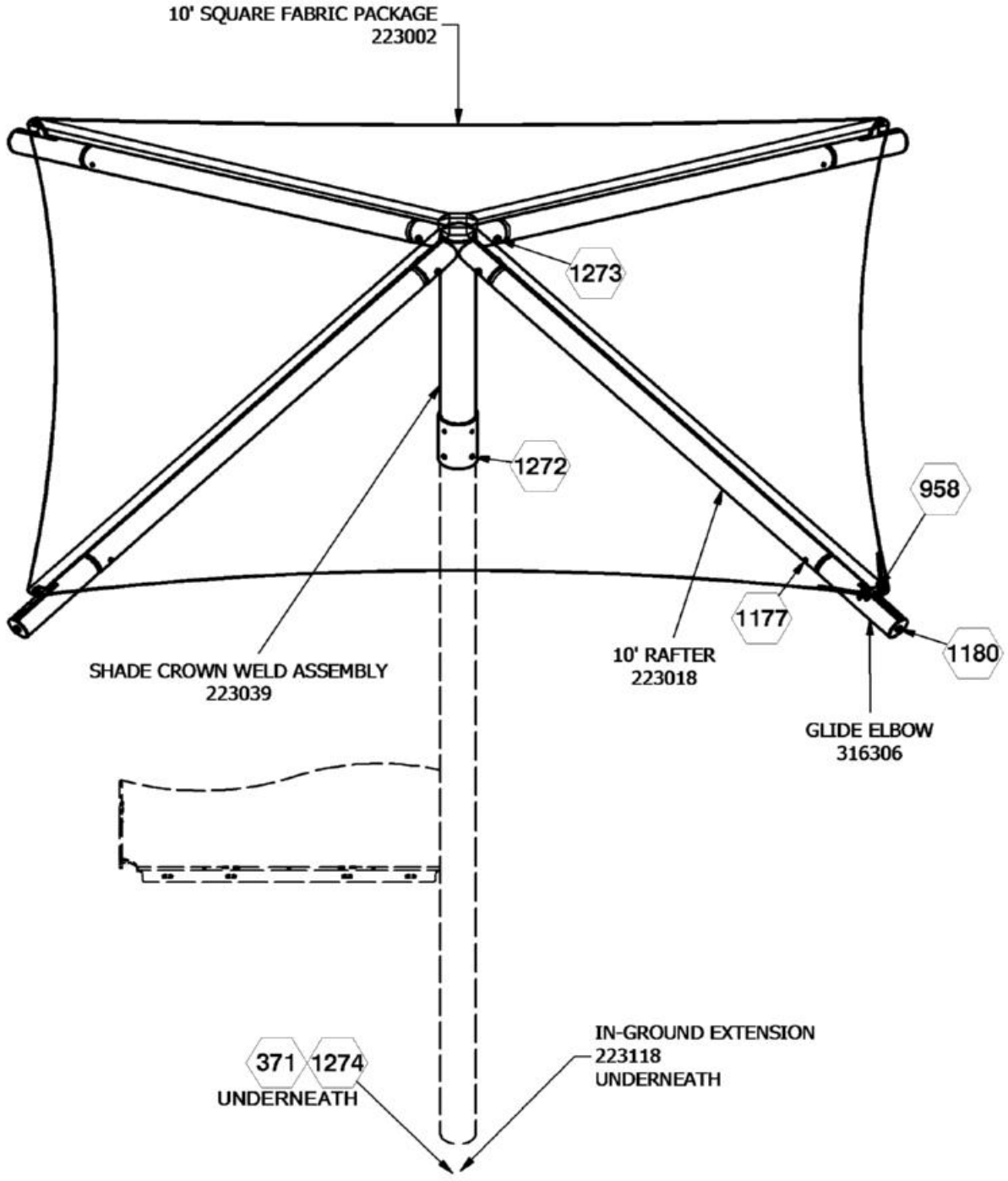
1. Determine which upright is to receive the 10' x 10' Shade. Refer to order Top View.
2. Put Anchor Rods into In-Ground Extensions. See Detail 371.
3. Attach the In-Ground Extension to the existing upright. See Detail 1274.
4. Attach the Shade Crown Weld Assembly to the existing upright. See Detail 1272.
5. Attach the Glide Elbows to the 10' Rafters. See Detail 956.
6. Attach the assembled rafters to Shade Crown Weld Assembly. See Detail 1273. **NOTE:** Orientation of hook on Glide Extension is critical.
7. Starting at any corner thread the steel cable through the jump-out hole under loop at the edge of the shade fabric until it comes out the end of the sleeve at the next corner. Continue threading cable through sleeve all the way around the shade fabric until the entire shade fabric has been encircled. Cable will exit through jump-out hole on the same corner it was started. Leave a loop of approximately 9 inches at each non-tensioning corner. Spread the shade fabric over the frame and secure corners to the Glide Hooks. It may be necessary to flap the loose corners up and down to stretch the shade fabric so that it fits over the Glide Hooks. **NOTE:** The Steel Cable must always pass under the Glide Hooks. See Detail 958.
8. Pull tight by hand then using the clamps provided, fasten the steel cables together. All clamps must be used. After clamps are tightened, thread the excess steel cable back into the jump-out holes in the shade fabric. **NOTE:** If any portion of the steel cable was bent/kinked during the tensioning process, it must be straightened by bending the steel cable back in the opposite direction of the bend. **NOTE:** Cable clamp must be installed with nuts facing down. Clamps must be touching each other. **NOTE:** Any bolt end protruding more than two full threads beyond face of the nut promptly cut-off flush, file smooth, and treat to prevent corrosion. See Detail 958.
9. Remove Cover Plate from Glide Insert to access tensioning nut. Take turns tensioning each Glide Insert in small increments. Make sure that the steel cables cross each other at the corner where the steel cable ends. DO NOT OVER TENSION! You can test the tightness of the shade fabric by hitting the perimeter steel cable with the palm of your hand to see how much it moves. If the shade fabric does not move more than 6" up or down then you have the correct tension. If the shade fabric bounces and has a ripple affect then you may need to apply more tension. Attach Cover Plate to Glide Insert. See Detail 957.

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 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.

SuperMax Play Systems

72159 SUPERMAX 10' x 10' SHADE 1' TO 6'



⬡ = INSTALLATION DETAIL

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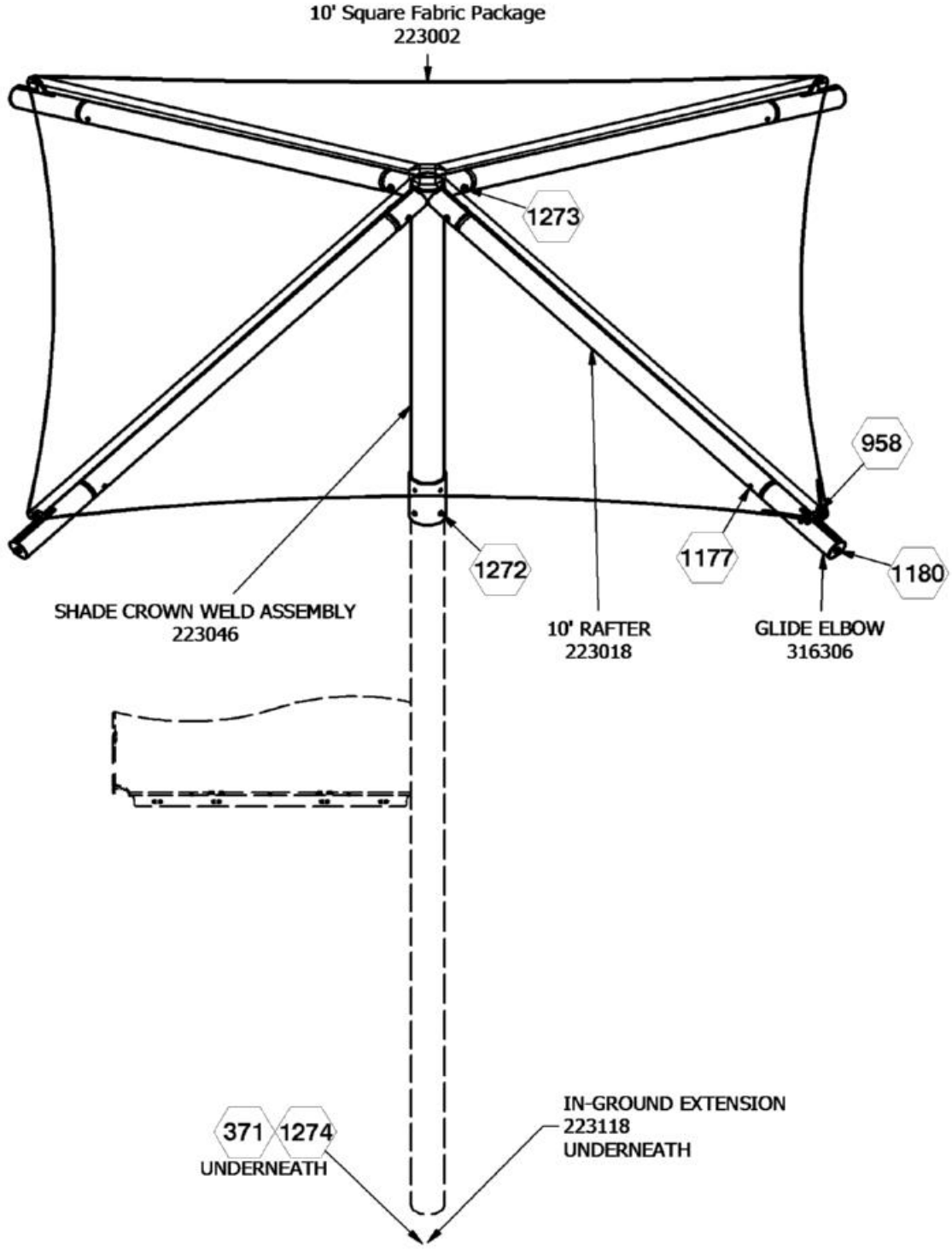
FINISHED ASSEMBLY

4'-0" SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

72160 SUPERMAX 10' x 10' SHADE 6'-8" TO 8'



⬡ = INSTALLATION DETAIL

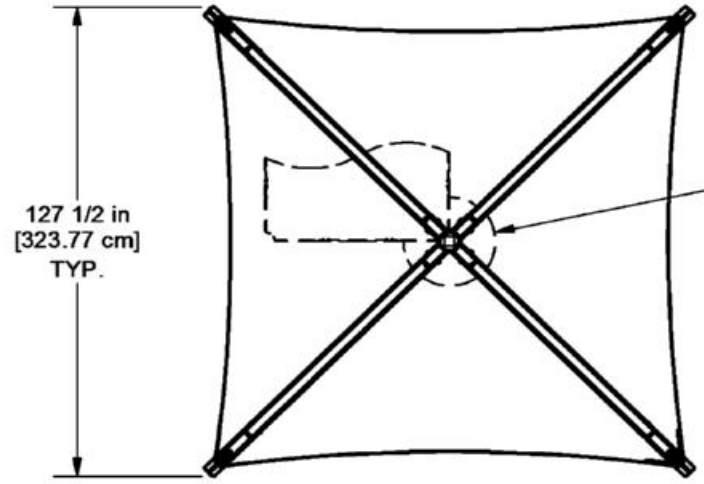
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FINISHED ASSEMBLY

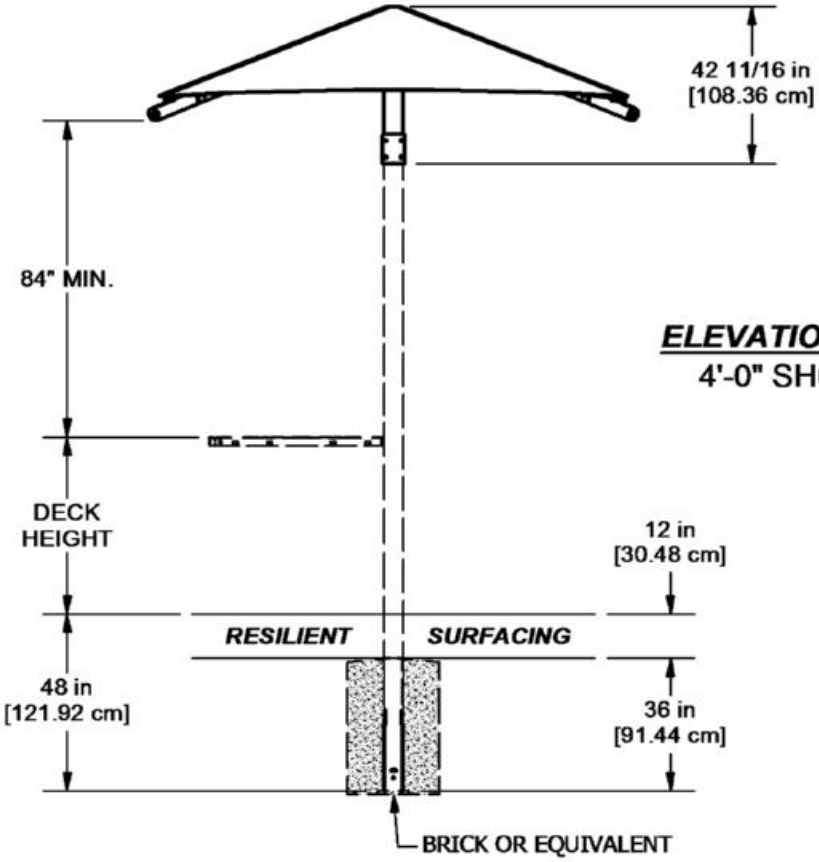
6'-8" SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

72159 SUPERMAX 10' x 10' SHADE 1' TO 6'



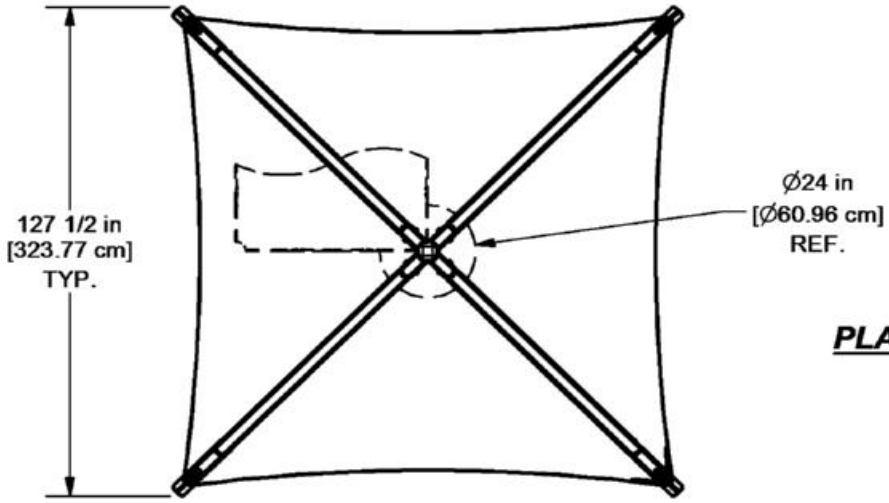
PLAN VIEW



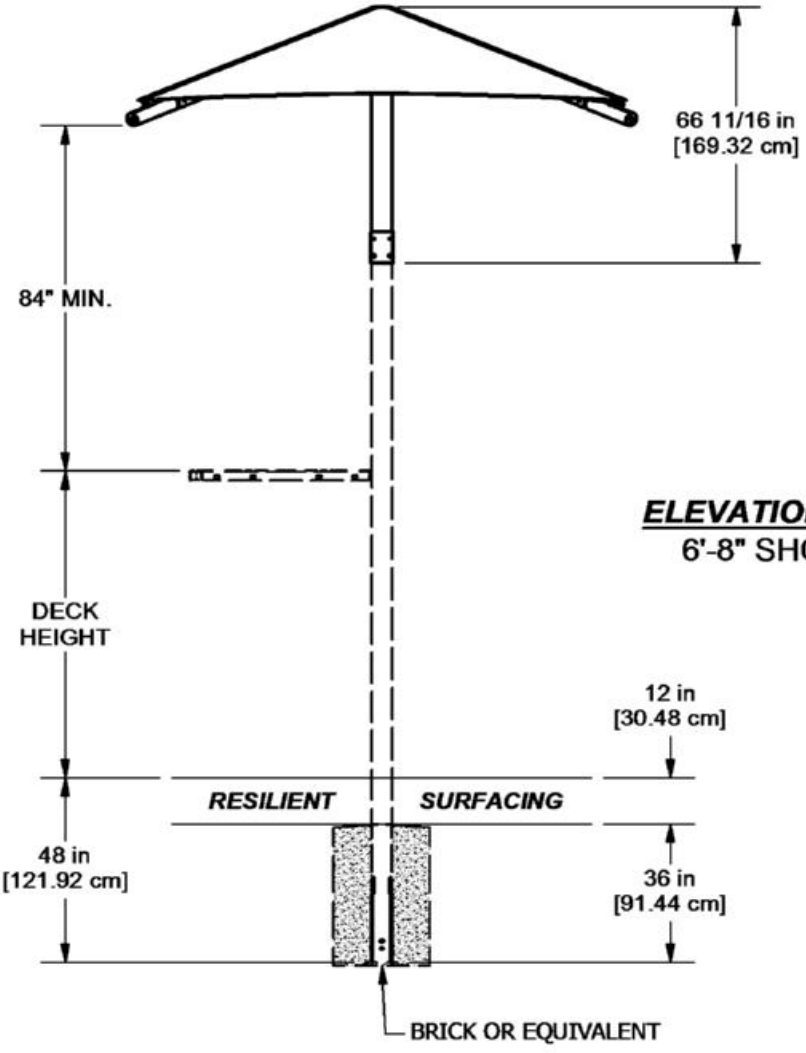
ELEVATION VIEW
4'-0" SHOWN

SuperMax Play Systems

72160 SUPERMAX 10' x 10' SHADE 6'-8" TO 8'

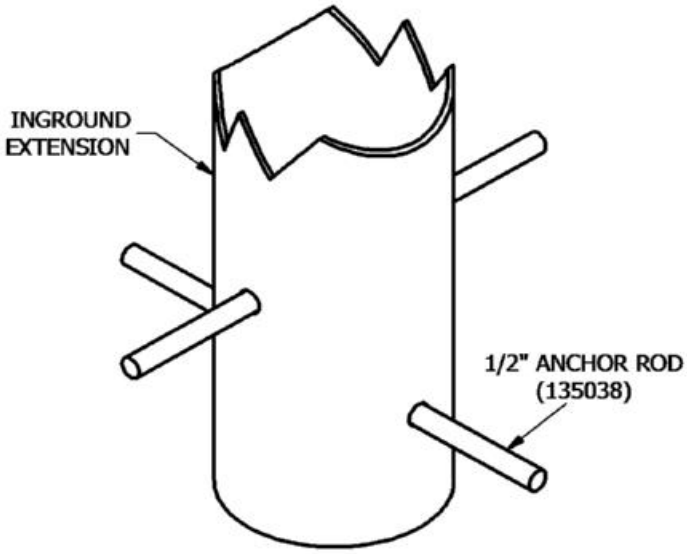


PLAN VIEW



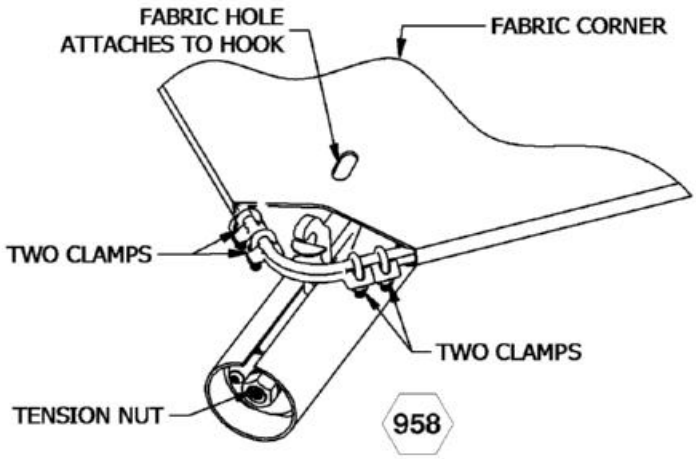
ELEVATION VIEW
6'-8" SHOWN

72159 SUPERMAX 10' x 10' SHADE 1' TO 6'
72160 SUPERMAX 10' x 10' SHADE 6'-8" TO 8'



371

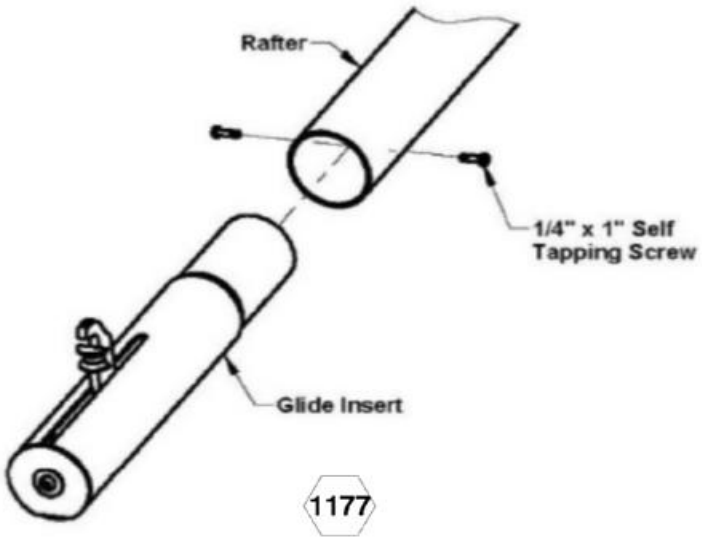
SMALLER GLIDE INSERTS WILL NOT HAVE A CABLE GUIDE ON THE GLIDE HOOK. THE CABLE FOLLOWED BY THE FABRIC HOLE ARE BOTH PLACED OVER THE HOOK.



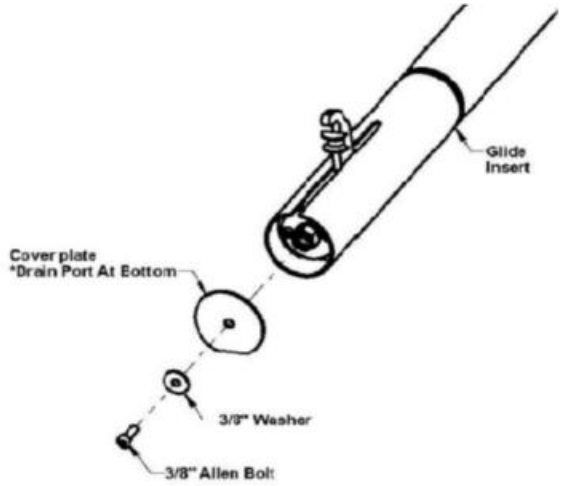
958

NOTE: ON THREE OF THE FOUR CORNERS THE CABLE WILL LOOP AROUND THE HOOK OR CABLE GUIDE.

ON THE FOURTH CORNER THE CABLE ENDS WILL OVERLAP AROUND THE HOOK OR CABLE GUIDE AND BE SECURED WITH TWO CABLE CLAMPS ON EITHER SIDE. THE FABRIC HOLE IS THEN PULLED OVER HOOK. LOOSE CABLE END ARE TO BE TUCKED BACK INTO FABRIC HEMS.

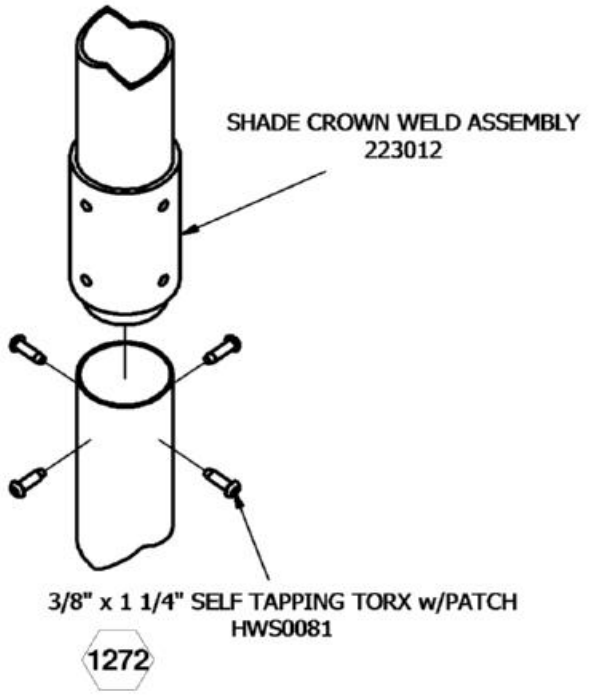


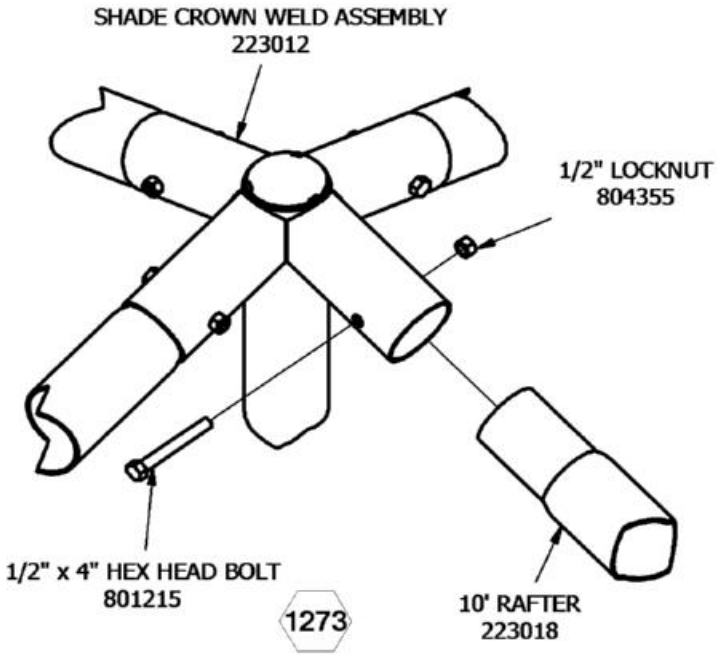
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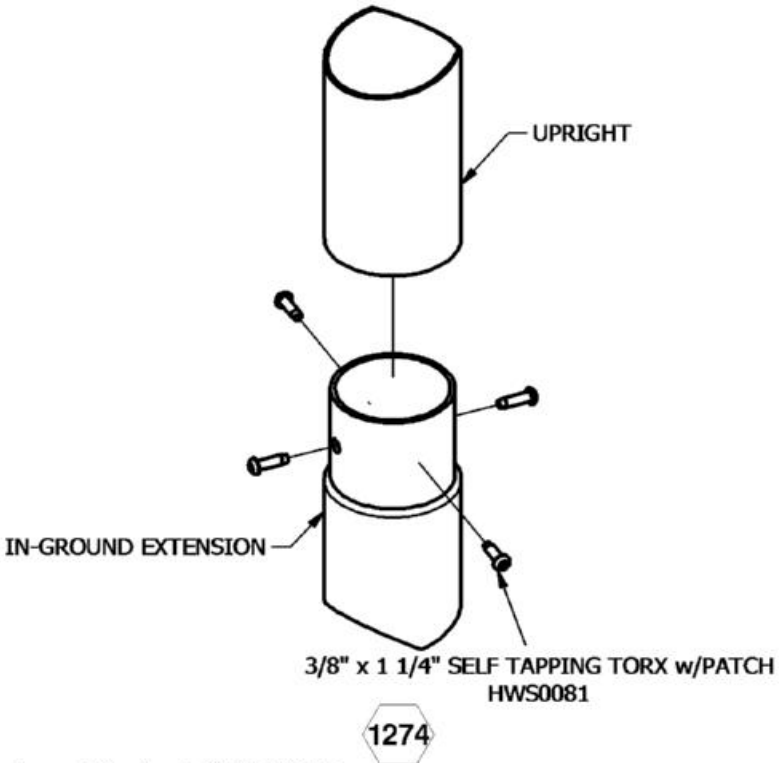


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72159 SUPERMAX 10' x 10' SHADE 1' TO 6'
72160 SUPERMAX 10' x 10' SHADE 6'-8" TO 8'







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Introduction

Congratulations on your selection of a BigToys play structure. You have chosen a high quality product that, when properly installed and maintained, will withstand many years of hard use. Unlike traditional playground equipment, BigToys is a modular system, designed by our experienced professionals to create a safe, yet challenging play structure. This instruction packet has been developed to help you install your new play structure according to the manufacturer's specifications as required for compliance to all internationally recognized safety standards.

Before You Begin

Please read this entire *Installation Prolog* as well as the *General Information and Site Preparation* document and follow all instructions carefully.

Briefly reviewing the instructions for each play event in advance will help to ensure proper installation and save you valuable time. If you find any instructions missing, please request a free replacement before starting work.
If questions should arise before or during the installation process, please call your BigToys representative. You may also contact BigToys directly at 360/528-8697.

Recommended Tools

(Not all tools on this list will be required for every installation, but most will come in handy.)

2' and 4' Bubble Level	Claw Hammer
Complete Hex Key Set	Dead Blow Hammer
Drill and Bits Ø1/8" to Ø1/2" and Ø11/16" [1]	Socket Set 3/8" – 3/4" Ratchet w/extension
Ø7/8 Spade Wood Bit[1]	Pick Bar
Posthole Digger	Rubber Mallet
Sledge Hammer	Hack Saw
Square Drive Bits #2,#3	8ft. Step Ladder
Open End Wrench set	Tape Measure 25'

Sorting Components

Sorting components into these common groups will help you quickly locate the correct items during installation:

Metal Columns - Sort by length and part number. Take care to remove all staples prior to removal from the protective packaging.
Platforms and Platform Extensions - Sort by size
Threaded Inserts
(See Typical Threaded Insert Installation")
Hole Plugs
(See "Typical Hole Plug Installation.")
End Caps / Column End Fittings
(See "Typical End Cap Installation")
(See "Typical Column End Fitting Installation")
Metal Brackets – Sort by part number and finish color.
Pipes - Sort by part number and finish color.
Connector Packages – Sort by part number.

Note: Connector Packages must be used only with the activity or assembly designated. Spare parts packages are provided to replace missing or damaged parts from other packs as needed.

IMPORTANT!
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 Flat washers to match radius of pipe after assembly is complete. Note: Loctite (supplied by others) should be used on any non-patch hardware.

[1] Only required when Wobbly Walk or Suspension Bridge is to be installed.

Assembly of the Basic Structure

Generally, the best procedure is to locate and dig the footing holes first and plumb and level the structure as assembly progresses. The footing depth is determined by the depth of the resilient surface.

Be sure to lay out the footing locations carefully. Site dimensions can be checked by arranging the full-sized components in their respective positions.

Note: If your structure includes a PlayShell Fort, we strongly recommend that assembly of the play structure begin with this play event. This ensures that platform(s) attached to the fort will be at the correct height. The top surface of the first layer of PlayShells must be level and set 5¼ inches above the resilient surface.

BigToys systems are flexible and can be corrected or adjusted at any stage of installation, however much time and effort can be saved if care is taken to plumb and level the main structure during assembly.

IMPORTANT!
Do not pour concrete until assembly is complete and the entire structure is plumb and level.

The installation of some play structures may take more than one day. It is recommended that all tools and materials be secured prior to leaving the site unattended. Temporary fencing should be used to prevent children from playing on the unfinished play structure.

IMPORTANT!
As a general assembly rule, do not fully tighten all hardware or install Do-Nut Caps until the installation process is fully completed.

Final Procedures

1. Thoroughly inspect the structure to ensure that installation does not deviate from BigToys installation instructions.
2. Install all entanglement prevention hardware as described in "Protection against Entanglement" and in the individual play activity instructions.
3. Check all joints and connections to ensure they are tight and secure. Install protective covers according to instructions.

IMPORTANT!
All bolts with more than two threads exposed must be trimmed back to less than two threads and peened over to eliminate sharp edges.

4. Install all labels in prominent, visible locations per the instructions included in each package. BigToys suggests that you also review labels and other safety information with the owner/operator.
5. Remove all waste or injurious materials from the site. Do not burn treated wood or plastics.
6. Resilient surfacing must be installed as recommended by either the safety standard for your locale or your BigToys play consultant.
7. Prior to opening the playground, the use zone should be free of all obstacles (other than the play equipment itself) that children could run into or fall on top of and thus be injured.
8. Prior to opening the playground a thorough safety inspection should be performed by a qualified person. The play structure must be inspected for compliance with all clearance zones, use zones, no-encroachment zones, and resilient surfacing requirements.

IMPORTANT!
The playground must be fully installed and inspected with the protective surfacing in place before users can safely play on the equipment. Failure to comply with this recommendation can lead to serious injuries or death of the user.

Follow Up

Playground maintenance and inspections are a continuous and integral part of providing a safe play environment. Inspection and maintenance costs should be incorporated into an operating budget to ensure the continued safety of your play structure[1].

BigToys strongly recommends that all owner/operators obtain and familiarize themselves with all relevant safety standards for their locale. This will help to quickly identify potential safety problems or hazards that can occur through the life of the product. Addresses and phone numbers for obtaining these safety standards are listed at the end of this document.

Repairs

Occasionally, parts may require replacement due to breakage or wear. These parts should be replaced as soon as possible. Be sure to use only official BigToys replacement parts, assemblies, hardware, and special tools. Only genuine BigToys replacement parts, assemblies, and hardware used to repair playstructures or play events can be guaranteed to meet our safety or wear standards.

If repairs cannot be made immediately, the owner/operator should prevent access to that portion of the playstructure or the entire structure until repairs are completed.

All repairs should be in accordance with this manual and the installation instructions where necessary or recommended. Replacement parts and copies of installation instructions can be obtained either through your BigToys sales consultant or by contacting BigToys Inc. directly at the phone number or the address shown in the introduction of this manual.

[1] *Annual Cost Considerations* (Appendix E) from the Canadian Standard (CAN/CSA Z614-98), provides suggested outline of what should be considered in establishing a budget for your playground.

We have provided a touch-up pen for your metal uprights in the assembly materials package. Should you need a touch-up pen for any other powder coated component, please either call 360-528-8697 or email info@bigtoys.com and we will send you one at no charge

IMPORTANT!

Be sure to use only official BigToys replacement parts, assemblies, hardware, and special tools. Only genuine BigToys replacement parts, assemblies, and hardware used to repair playstructures or play events can be guaranteed to meet our safety or wear standards. These parts, assemblies, and hardware can be obtained from you local sales representative or BigToys® at 360/528-8697.

Attention All Contract Installers:

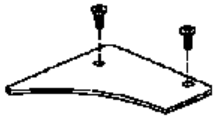
Please be sure to present the enclosed Safety and Maintenance Manual to the owner/operator. This manual contains important safety information, suggested inspection and maintenance schedules, and maintenance procedures. If possible, we suggest that you also review a copy of the manual with those persons directly involved in the maintenance of the play structure.

Protection against Entanglement

BigToys has identified two types of possible entanglement areas found at and within 24" of the entrances to Slides and Slidepoles on BigToys equipment and has created a solution for each. (See examples below)

You should refer to your structure design for location of these entanglement protectors. Each type will be shown on an overhead view as part of the Installation Detail drawing included with your Installation Instruction Packet. Each type will be designated with a letter and arrow as shown in the examples below.

- **Type P1**: V-shaped areas found where our platforms meet the vertical columns.



Corner Plate with Screws (P1)

- **Type P2**: Gaps found at the top of the Enclosure where it meets the column.

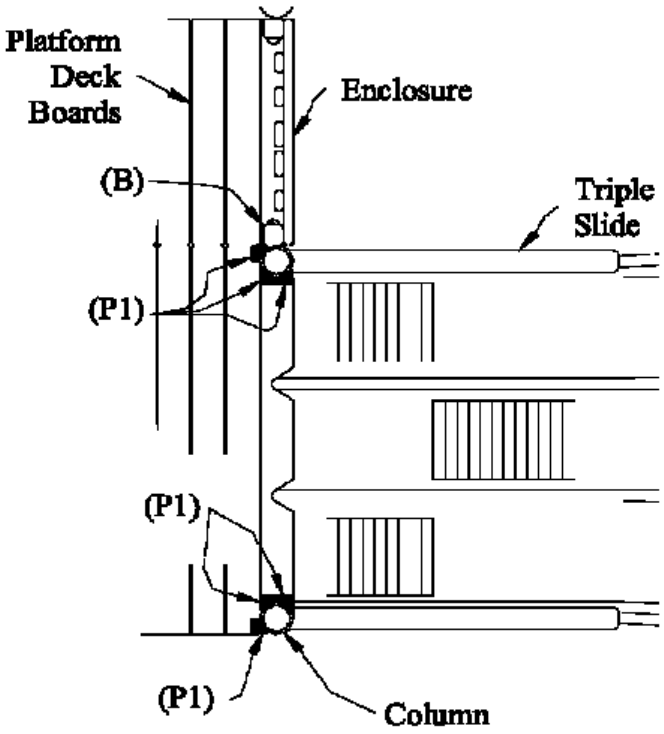


Enclosure Filler Plate (P2)

- **Type B**: Gaps found at the bottom of the Enclosure Support and the top of Accessible Stairs.



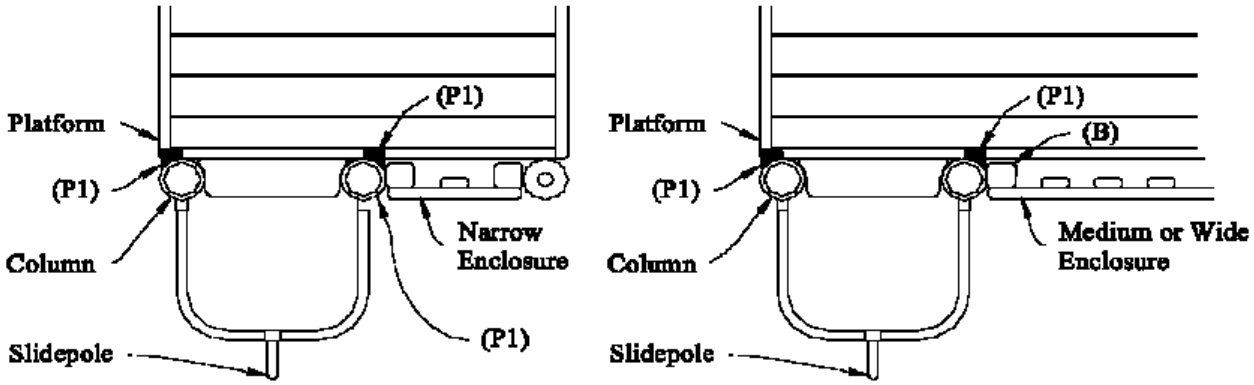
Corner Protector with Screws (B)



Examples (Triple Slide)

Note: It is important to assemble each structure carefully and according to the installation instruction in order to prevent additional entanglement around Slides and Slidepoles. Make sure all connections are tight and all pieces fit together properly.

Examples (Slidepoles)

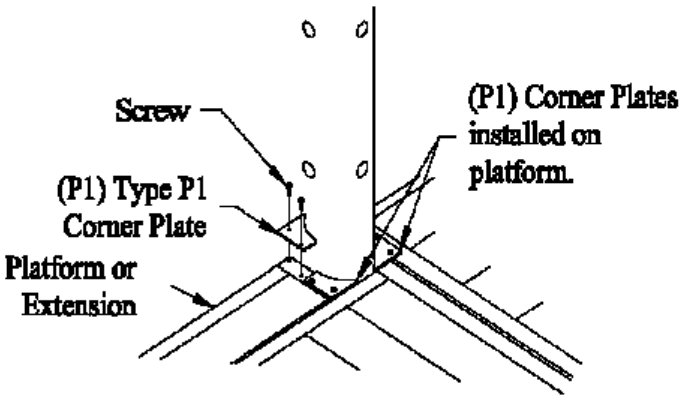


Installing Type (P1) Corner Plates around a Platform

1. Installing Type P1 Corner Plates, position tight against the column and align flat sides of plate with sides of platform and attach to platform screw as shown.
2. Position Corner Plates snug against the column and align flat sides of plate with sides of platform and attach to platform as shown.

Hint: To secure screws initially, lightly tap screws into platform with a small hammer as you would a nail, then use a screw driver to tighten.

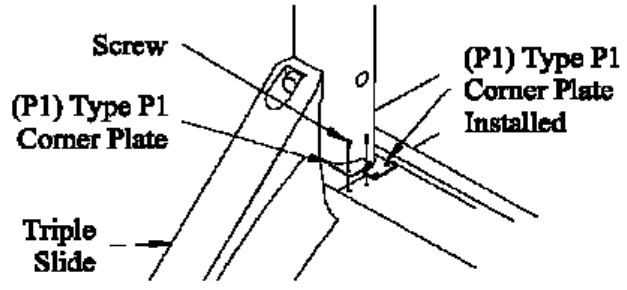
Note: Make sure plate does not shift away from column when tightening screws.



Installing Type (P1) Corner Plates around a Triple Slide

1. Install Triple Slide per instructions and tighten all fasteners.

2. Position Corner Plates snug against the column and align flat sides of plate with sides of platform and attach to platform as shown.



Installing Type (B) Corner Protector on Enclosure Support

1. **Position Type (B) Entanglement Protector** onto corner of Enclosure Support as shown.

Note: part must fit flat against top of platform before and after screws are installed.

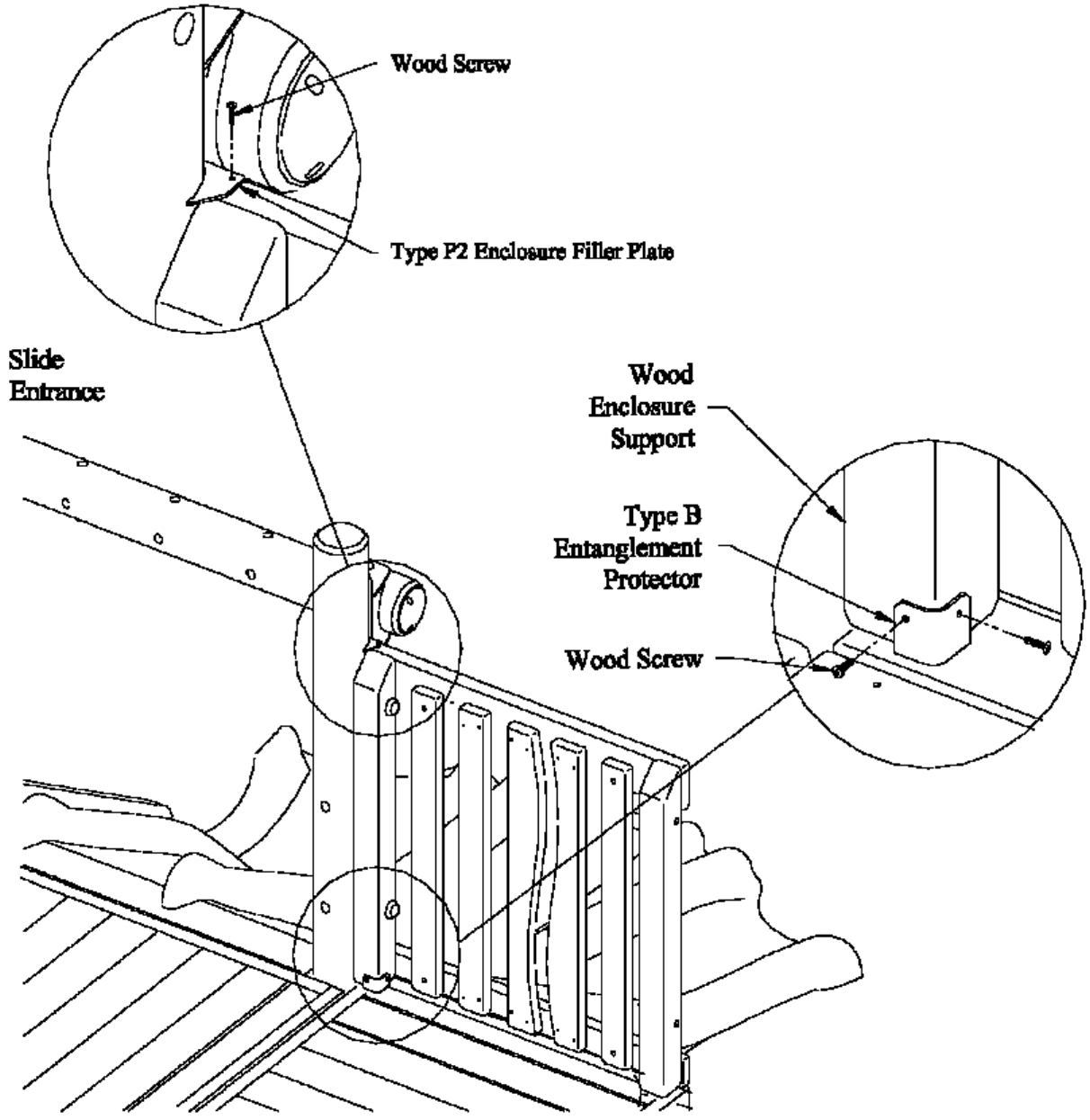
2. **Install Screws.**

Installing Type (P2) Entanglement Plates on Enclosures

1. **Position Type (P2) Enclosure Filler Plate** onto corner of Enclosure Support as shown.

Note: part must fit flat against top of platform before and after screws are installed.

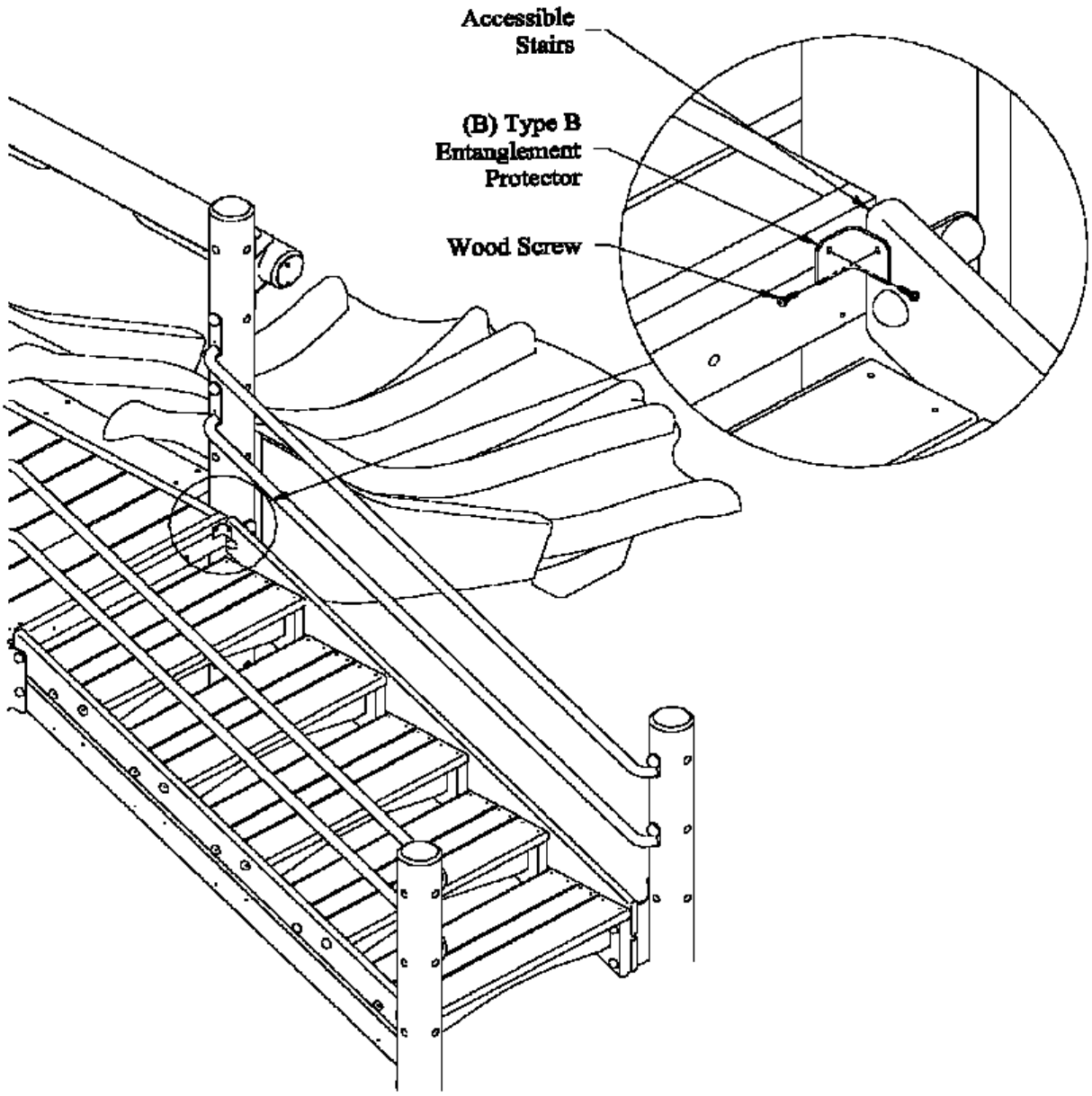
2. **Install Screws.**



Installing Type B Entanglement Plates on Accessible Stairs

1. **Position (B) Type B Corner Protector** into the upper corner of Stair adjacent to the entrance of a slide or Slidepole. *Note: Top of Corner Protector must be installed below the radius of boards.*

2. **Install wood screws.**



Installing Entanglement Plates on Adjacent Platforms and Enclosures

1. **Position Type P1 Corner Plates,** Align flat sides of plate with sides of platform and attach against the column

2. **Install wood screws.**

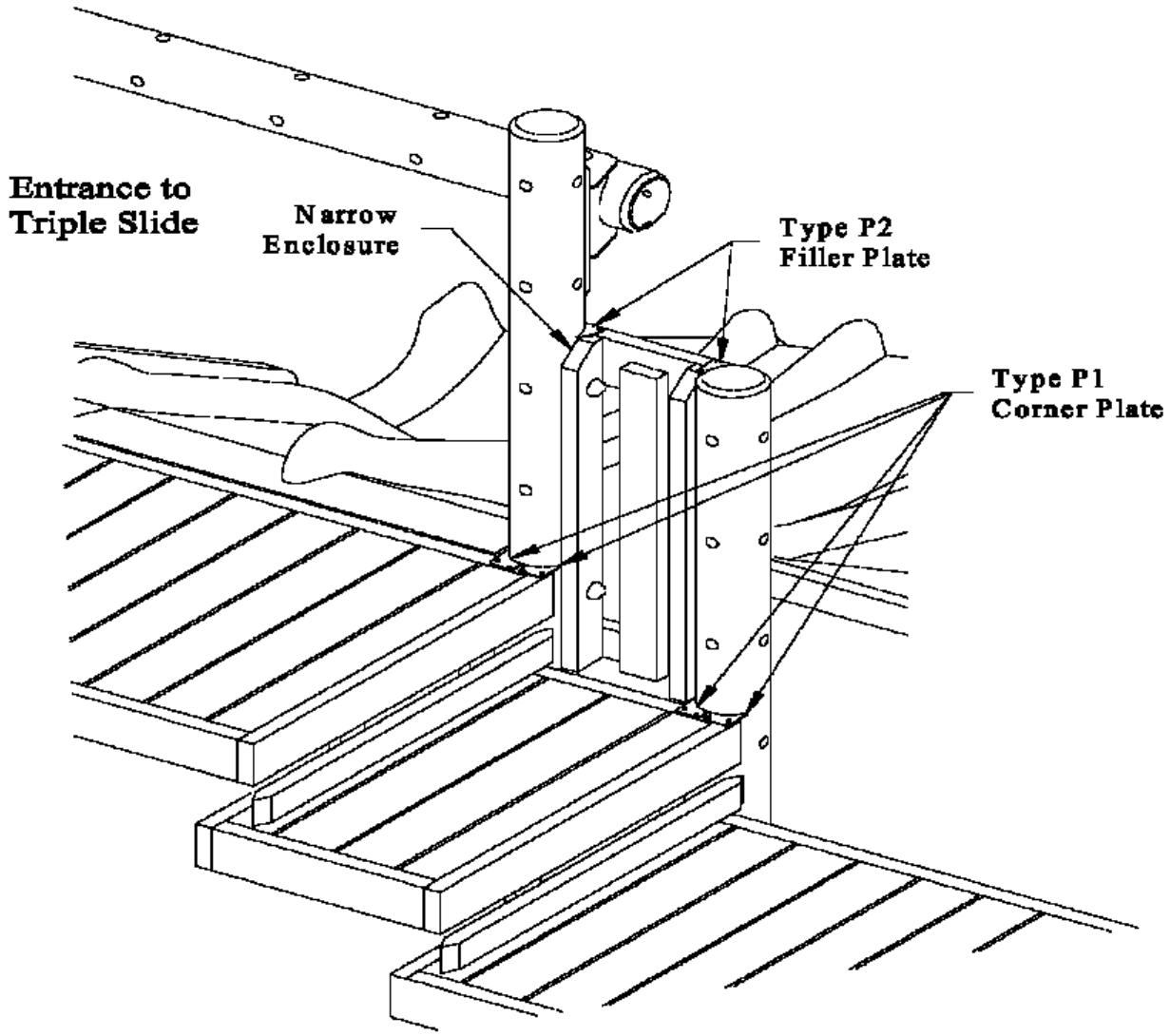
Hint: To secure screws initially, lightly tap screws into platform with a small hammer as you would a nail, then use a screw driver to tighten.

Note: Make sure plate does not shift away from column when tightening screws.

1. **Position Type P2 Enclosure Filler Plate** onto desired top corner of Enclosure Support.

2. **Install wood screws.**

Note: Part must fit flat against enclosure and tight against column before and after screws are installed.



Typical Concrete Footings

Footing depth depends on:

- The thickness of the resilient surface you have chosen for your BigToys play structure.
- The various types of footing are:
  - Standard-Column Footing
  - Pipe Footing
  - Ground Level Activity Footing
  - Deep-Column Footing

The distance from the top of the resilient surface to the bottom of the footing is different for each footing type:

Footing Type	BigToys 5-12	EarlyWorks 2-5
Standard Footing	28"	21"
Deep Column Footing	40"	33"
Pipe Footing	28"	21"
Ground Level Activity Footing	33"	26"

Note: Refer also to the information found in "Frost Heave and Footings" on page 12.

Use this simple formula to find the footing depths for your BigToys play structure:

Total Depth of footing minus Resilient Surface Thickness equals Footing Depth.

TD – RST = FD

Example: to find the footing depth for a BigToys 5-12 Standard Footing with 12 inches of resilient surface, the formula would look like this:

28" – 12" = 16

Your footing depth is 16".

Typical Concrete Requirement

1. All Footings should bear on firm, undisturbed soil capable of permanently supporting 2500 pounds per square foot.

2. Prepackaged concrete should be mixed per manufacturer's instructions.

3. Ready-mix concrete should contain five sacks of cement per cubic yard minimum.

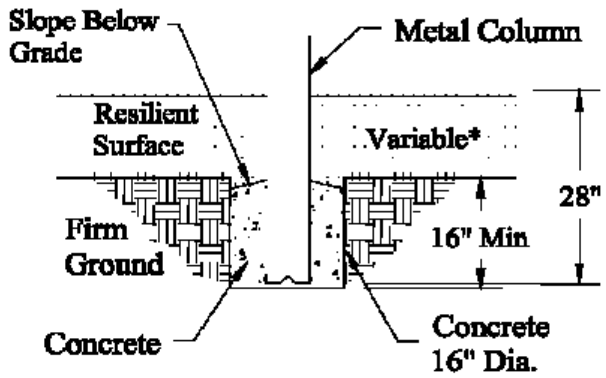
4. All concrete should have a minimum 2500 pounds rating and conform to U.B.C., state, and local codes.

5. When concrete has been poured in the holes, finish the top surface of the footing so that it is smooth and sloping away from the column or pipe.

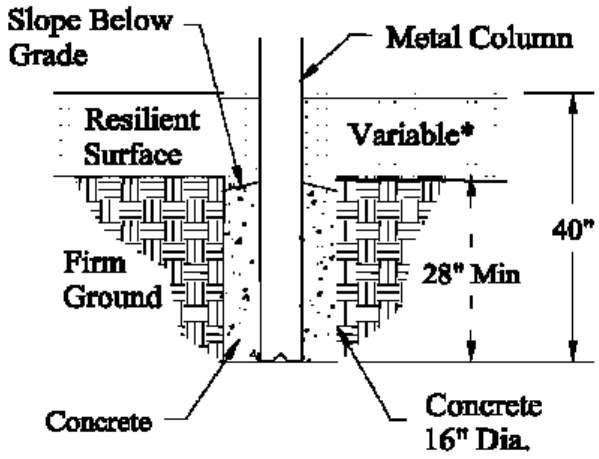
Depth of resilient surface will vary depending on the type surfacing used. (See enclosed USCPSC report.)

Typical Concrete Footings
BigToys 5-12

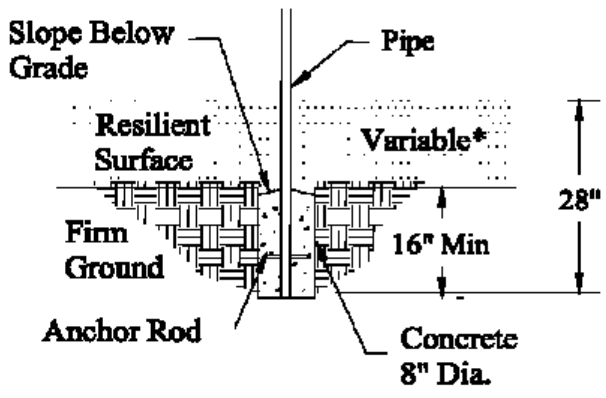
Standard Footing
(BigToys 5-12)
(1.6 to 2.6 cubic feet of concrete)**



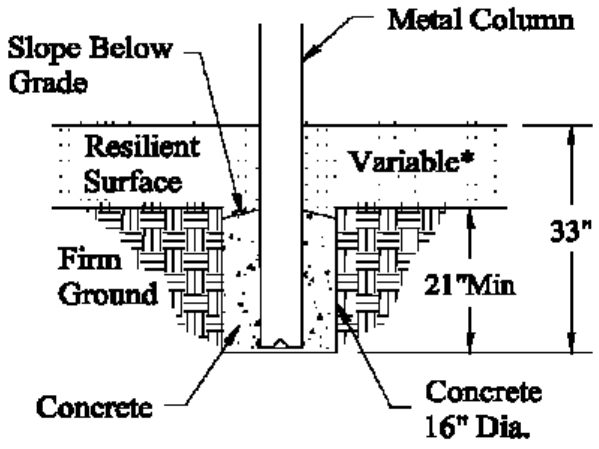
Deep Footing
(BigToys 5-12)
(2.8 to 3.8 cubic feet of concrete)**



Pipe Footing
(BigToys 5-12)
(0.5 to 0.75 cubic feet of concrete)**



Ground Level Activity Footing
(BigToys 5-12)
(2.1 to 3.1 cubic feet of concrete)**

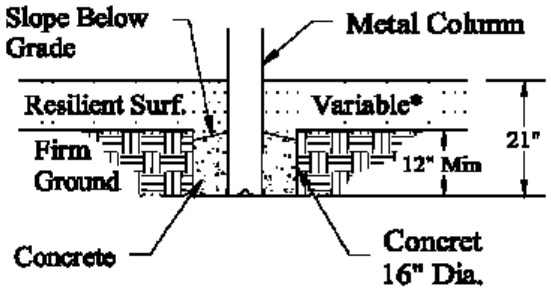


**Depth of resilient surface will vary depending on the type of surfacing used. (See enclosed USCPSC report.)*

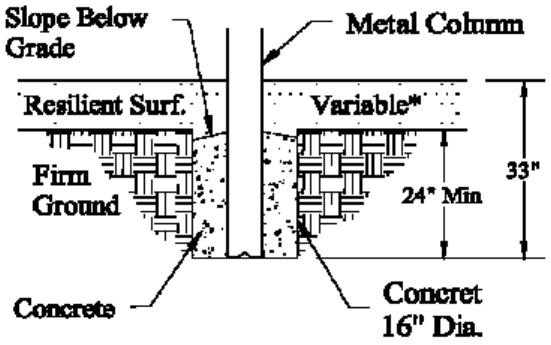
*** The concrete volumes listed are approximations based on the maximum and minimum resilient surface thickness' available. Varying soil conditions may also affect volumes.*

Typical Concrete Footings
EarlyWorks 2-5

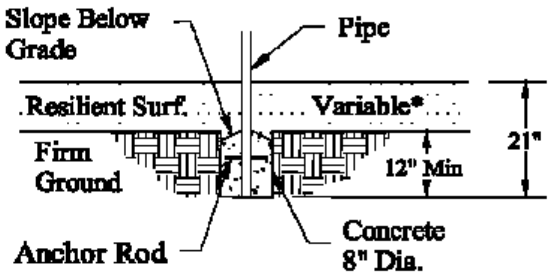
Standard Footing
(EarlyWorks 2-5 yrs)
(1.2 to 1.9 cubic feet of concrete)**



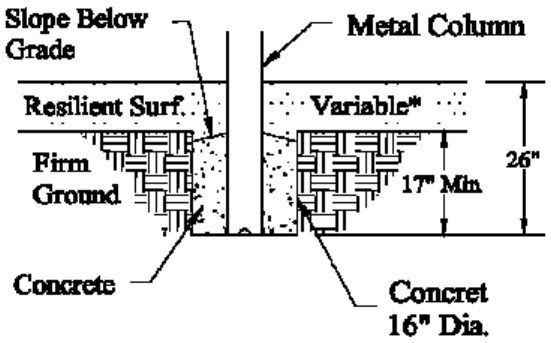
Deep Footing
(EarlyWorks 2-5 yrs)
(2.4 to 3.1 cubic feet of concrete)**



Pipe
(EarlyWorks 2-5 yrs)
(0.4 to 0.6 cubic feet of concrete)**



Ground Level Activity Footing
(EarlyWorks 2-5 yrs)
(1.7 to 2.4 cubic feet of concrete)**



**Depth of resilient surface will vary depending on the type of surfacing used. (See enclosed USCPSC*

*** The concrete volumes listed are approximations based on the maximum and minimum resilient surface thickness' available. Varying soil conditions may also affect volumes.*

Frost Heave and Footings

Frost heave footings should be used only when local, state, or provincial codes or ordinances require that footings be installed below the combined depth of footing and the resilient surface call-out indicated by the installation instruction details. Columns and footing pipes will need to be suspended in the footing holes to achieve the proper heights above ground.

Frost heave footing depth depends on:

- The thickness of the resilient surface you have chosen for your BigToys play structure.
- Nominal depth of the footing (BigToys 5-12 standard footing- 16 inches or deep footing - 28 inches).
- Frost line depth.

Use the following formula to find the frost heave footing depth of your BigToys play structure.

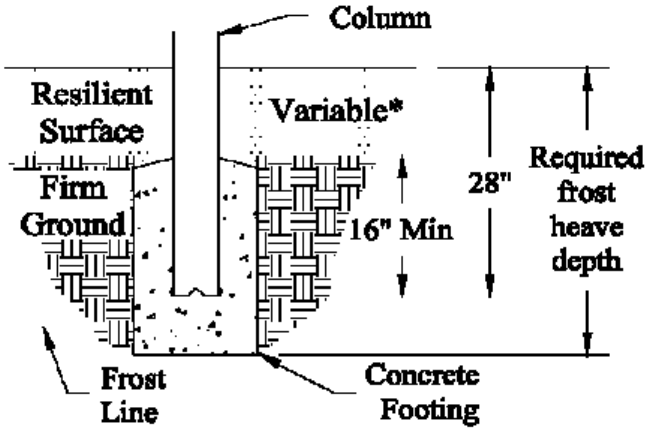
Total Frost Heave Depth of footing minus Resilient Surface Thickness equals Footing Depth.

TD – RST = FD

Example: To find the footing depth for BigToys 5-12 Standard-Column with 12 inches resilient surface and a 36-inch frost line, the formula would look like this:
36" – 12" = 24"

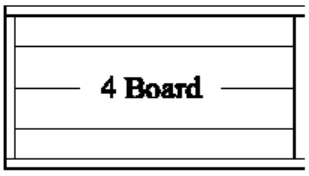
Note: this same process can be used for all non-columns footing as well.

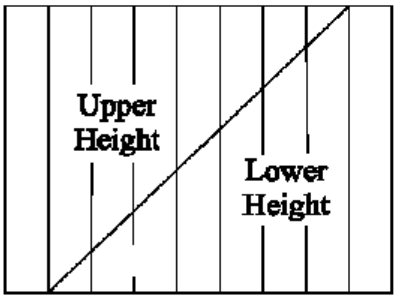
Note: Dimensions in this example are similar to those in BigToys 5-12 Standard Footing, but footing has been extended below frost line.



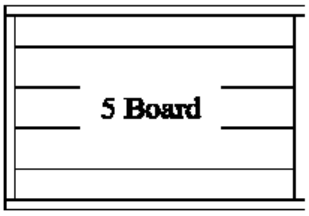
Example Frost Heave Footing

Platform Configurations

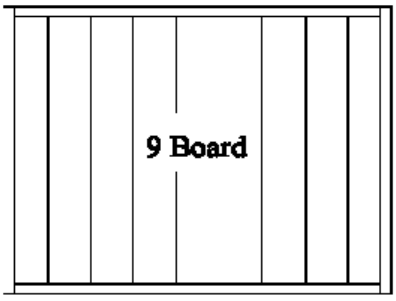


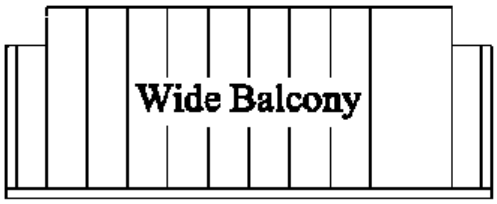


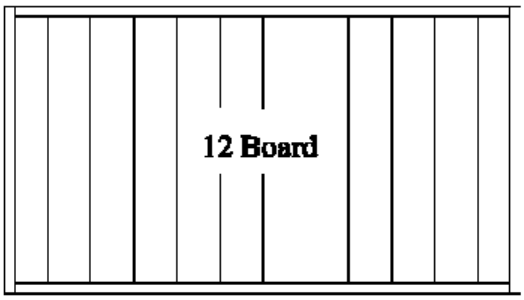
Split Platform











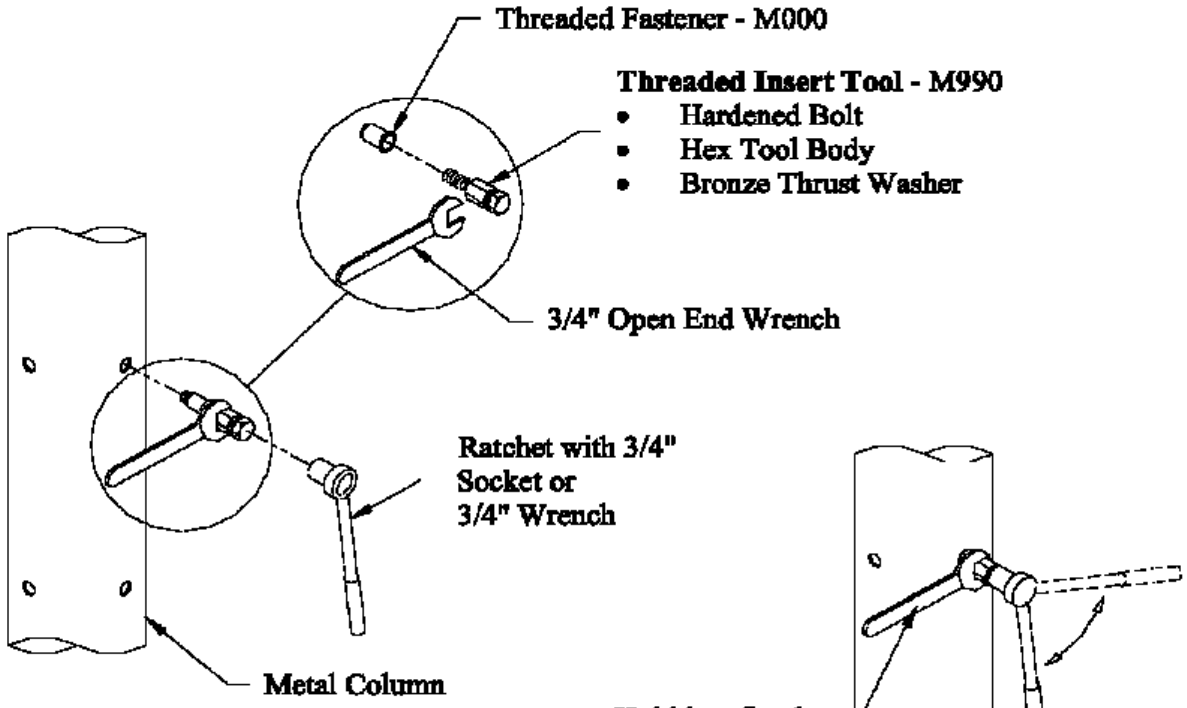
Typical Threaded Insert Installation

1. Lubricate the provided tool on the exposed thread and the head of the captive bolt.
2. Thread the captive bolt into the Threaded Insert as shown.
3. Insert the Threaded Insert into the hole on the column as specified in the installation instruction and hold the wrench in place.
4. While holding the wrench still, use a ratchet or 3/4" wrench to tighten the captive bolt to within the torque range of 20-28 ft-lb.

HELPING HINT!
Form a tight "V" with wrenches to make the process easier.

HELPING HINT!
Basic Threaded Insert Tools can be found in the E002_ Assembly Materials Package.

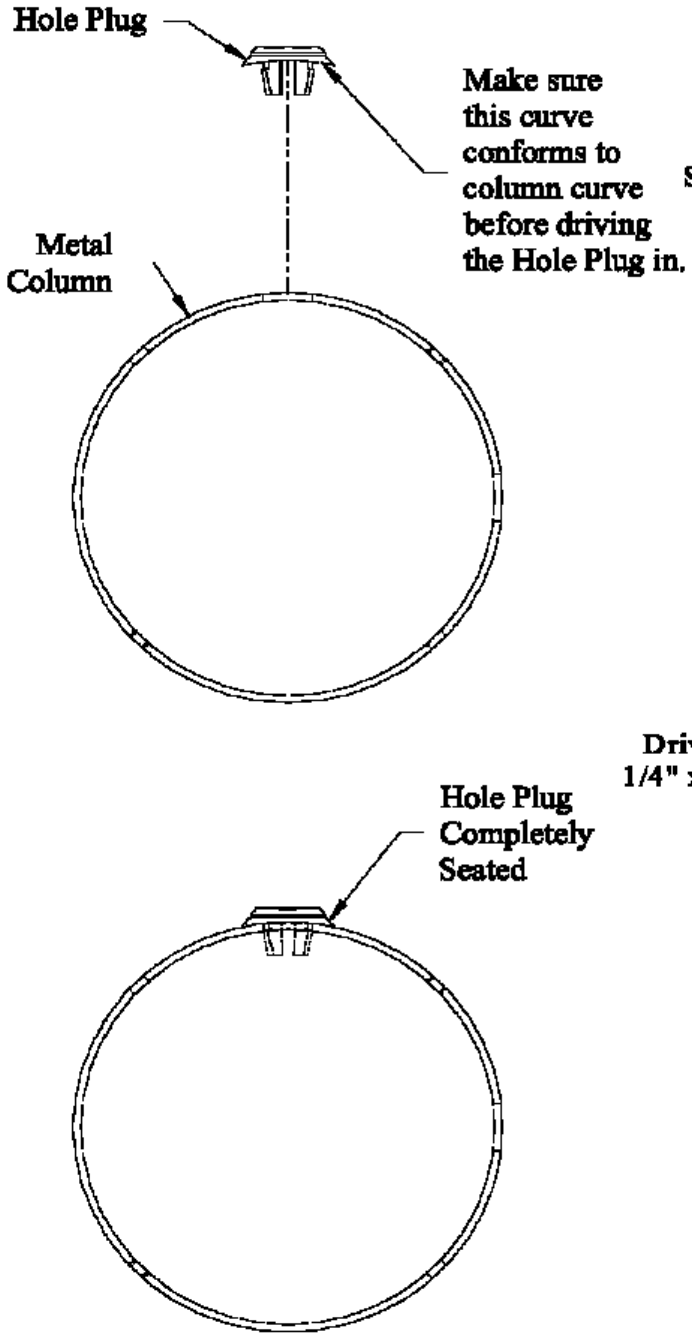
IMPORTANT!
Note: If the Threaded Insert is damaged or fails, it can be easily removed by drilling through the head of the Threaded Insert using an 11/16" drill bit.



Typical Hole Plug Installation

1. When playground installation is completed, install the Hole Plug into every open column hole and align as illustrate below.

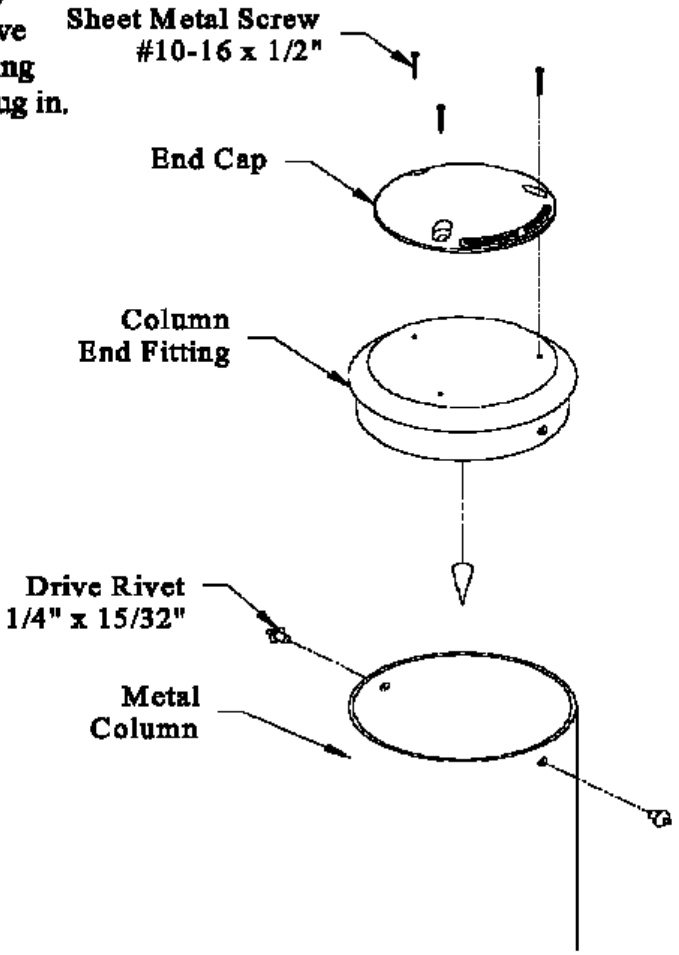
2. Drive the Hole Plug into the column hole using a soft hammer until completely seated.



Typical End Cap Installation

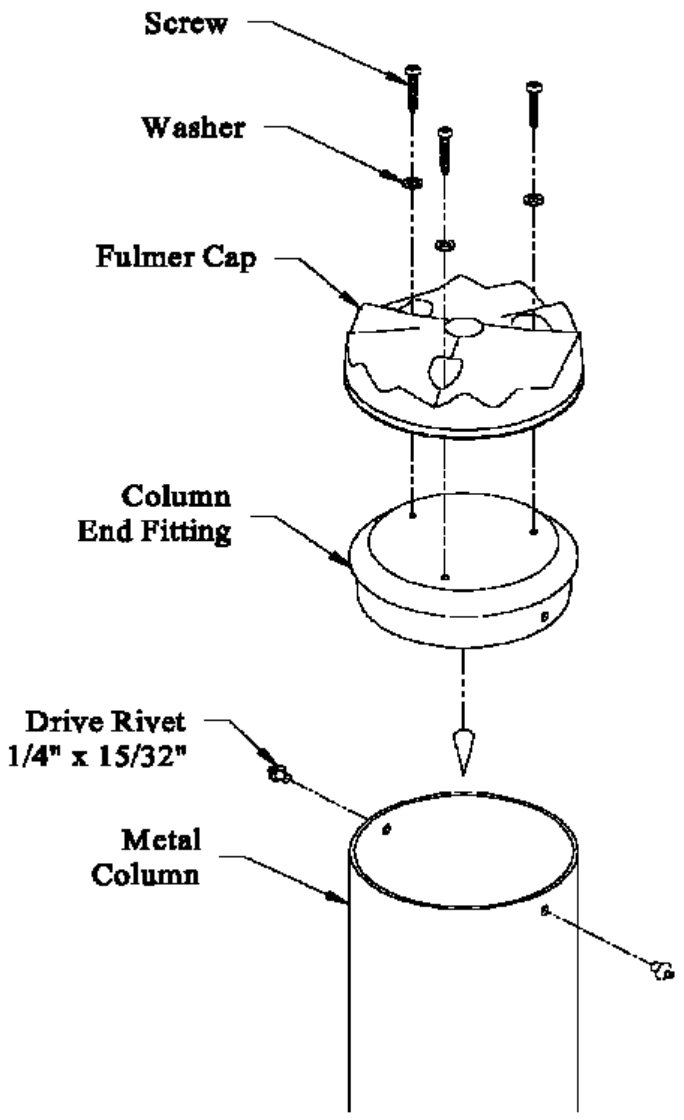
1. Insert Column End Fitting into the Metal Column and securely attach in place by using Drive Rivet ¼" x 15/32" as shown.

2. Attach End Cap to the Column End Fitting using Sheet Metal Screw #10-16 x 1/2" as shown.



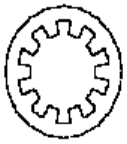
Typical Fulmer Cap Installation

1. Insert Column End Fitting into the Metal Column and securely attach in place by using Drive Rivet ¼" x 15/32" as shown.
2. Attach Fulmer Cap to the Column End Fitting using screws and washers as shown.



Typical Do-Nut Installation

1. Align hardware and Do-Nut components as shown in the installation instruction.
   Note: The hardware used on your structure may vary from hardware shown here.

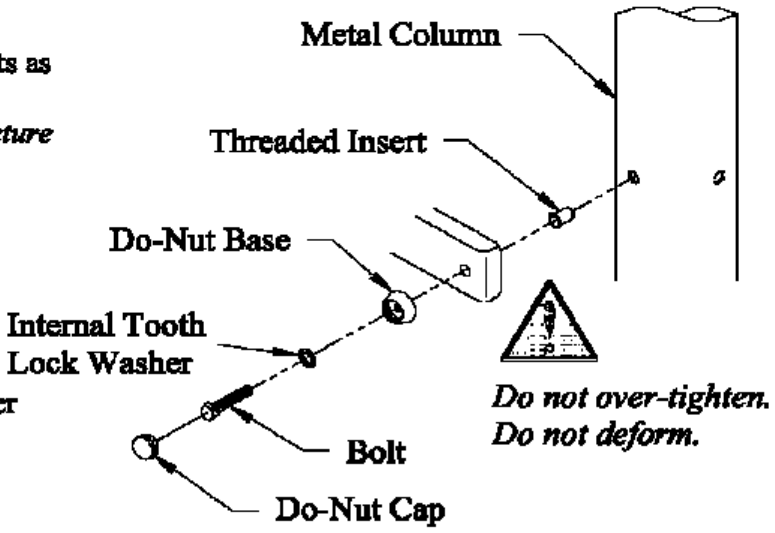


½" Internal Tooth Lock Washer typically should be used with a ½" Do-Nut base.

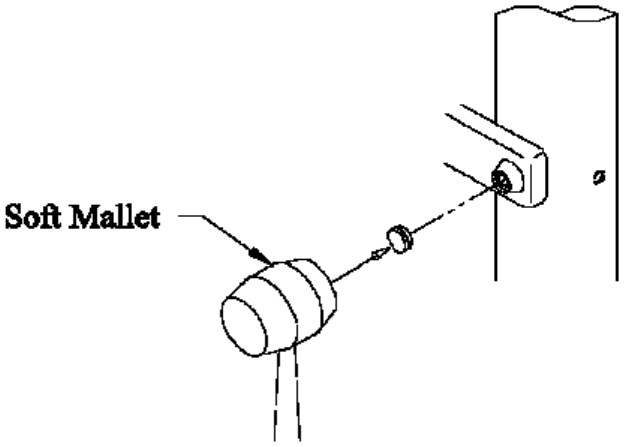


3/8" Internal Tooth Lock Washer typically should be used with a 3/8" Do-Nut base.

2. After final tightening of hardware, use a soft mallet to pound Do-Nut Caps into Do-Nut Bases until flush.



Do not over-tighten.
Do not deform.

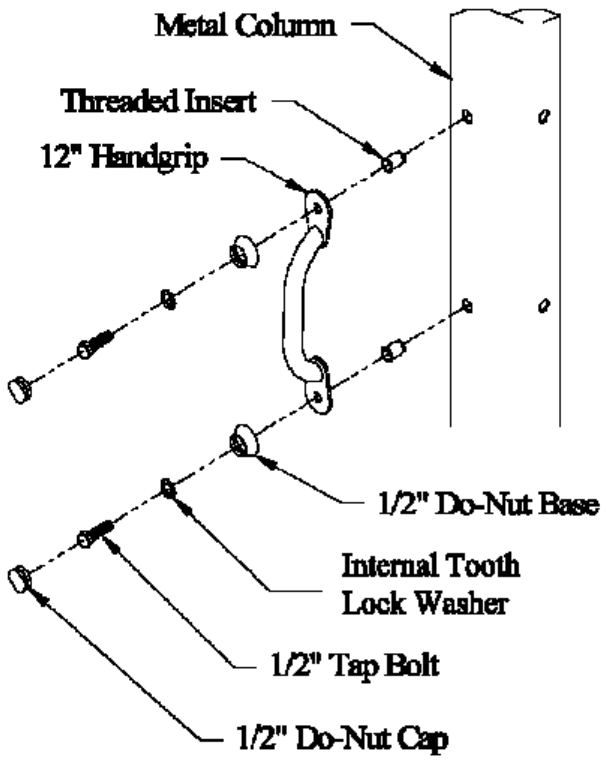


Do not install Do-Nut Cap until all hardware are tightened.

Typical 12” Handgrip Installation

1. Install Threaded Insert into the holes specified in the installation instruction. (See “Typical Threaded Insert Installation.”)

2. Attach the Handgrip to the column with the hardware provided.

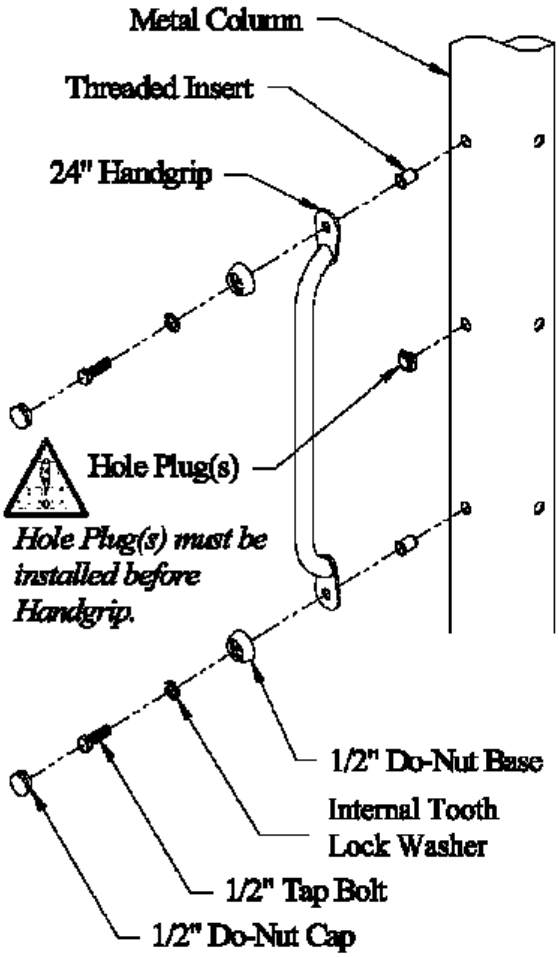


Typical 24” & 36” Handgrip Installation

1. Install Threaded Insert into the holes specified in the installation instruction. (See “Typical Threaded Insert Installation.”)

2. Install Hole Plug (Two Hole Plugs for 36” Handgrip) between the two Threaded Inserts as shown.

3. Attach the Handgrip to the column with the hardware provide.



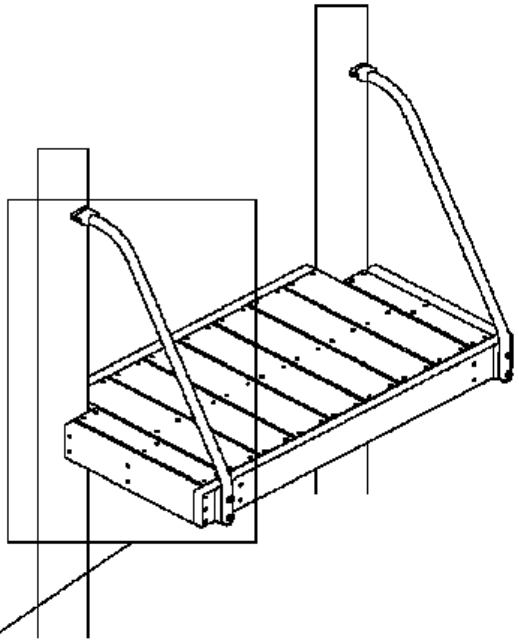
Typical Access Platform Installation

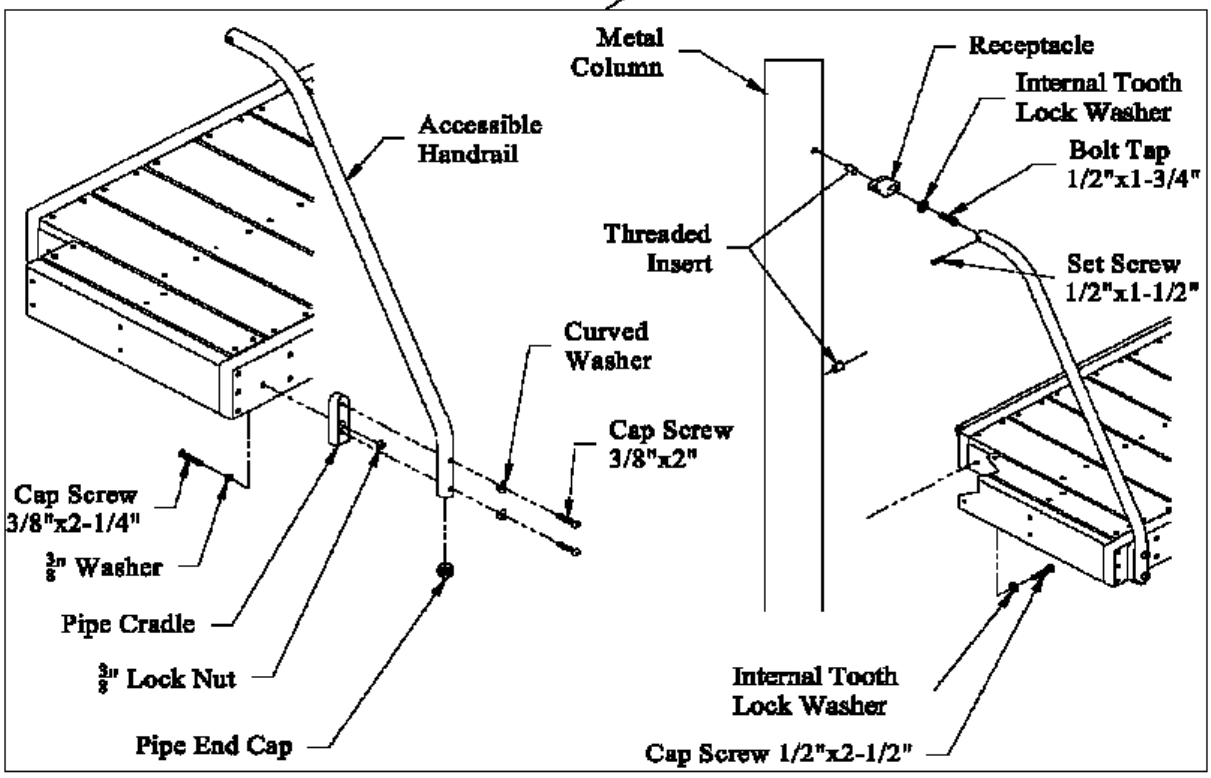
1. Attach Pipe Cradle to Balcony Platform using 3/8" x 2-1/4" Cap Screw, 3/8" Washer, and 3/8" Lock Nut.

2. Install Pipe End Cap to Accessible Handrail as shown.

3. Attach Accessible Handrail to Pipe Cradle using 3/8" x 2" Cap Screw and 3/8" Curved Washer.

4. Attach Balcony Platform and Accessible Handrail to Metal Column using Threaded Insert, 1/2" x 2-1/2" Cap Screw, 1/2" USS Washer, Receptacle, 1/2" SAE Washer, Bolt 1/2" x 1-3/4" Tap, and Set Screw 1/2" x 1-1/2" as shown.



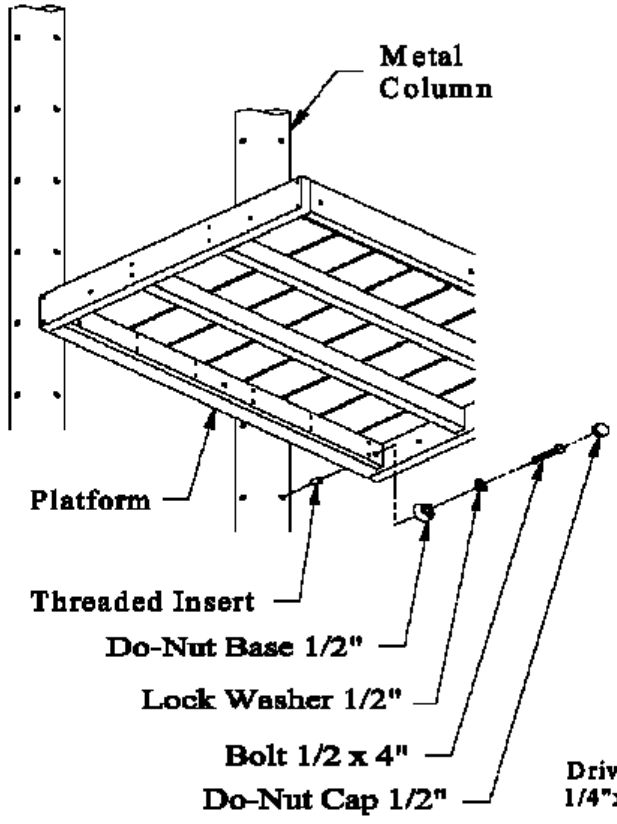


Typical Platform Installation

1. Install the Threaded Insert into the Metal Column as the location specified in the installation instructions.
   (See "Typical Threaded Insert Installation.")

2. Attach Platform to the column using hardware shown.

Note: Some hardware maybe hidden for clarity.



Platform Viewed From Below

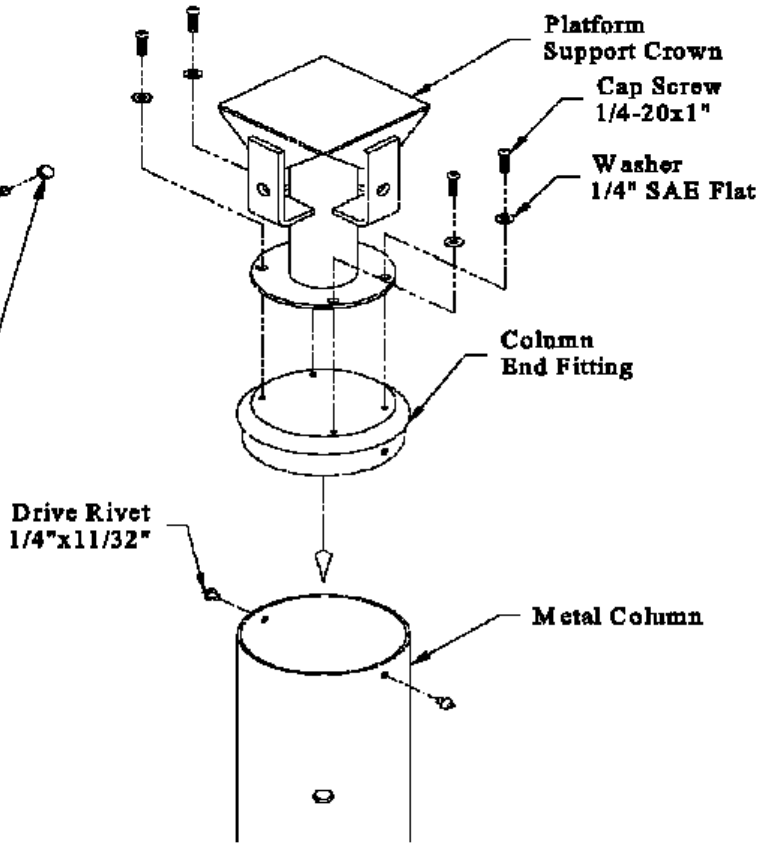
Typical Platform Support Crown Installation

1. Refer to your structure design for location of the Platform Support Crown.

2. Install Threaded Insert into columns at locations specified in installation instructions.
   (See "Typical Threaded Insert Installation.")

3. Insert Column End Fitting into the Metal Column and securely attach in place by using Drive Rivet ¼" x 11/32".

4. Attach Platform Support Crown to Column End Fitting using hardware shown.



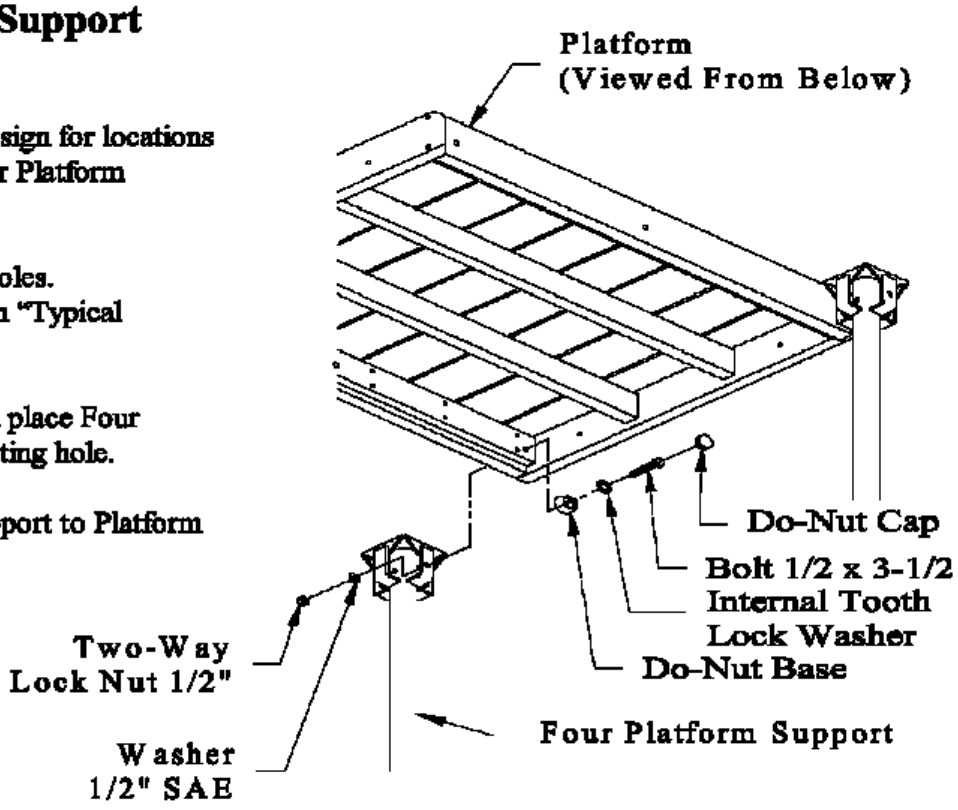
Typical Four Platform Support Installation

1. Refer to your structure design for locations and configurations of Four Platform Support.

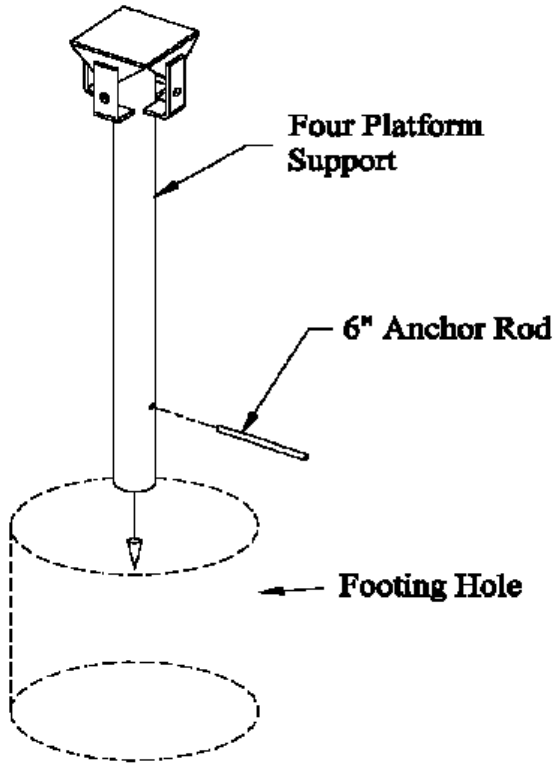
2. Layout footings and dig holes. (See "Standard Footing" in "Typical Concrete Footings.")

3. Insert 6" Anchor Rod and place Four Platform Support into footing hole.

4. Attach Four Platform Support to Platform using hardware as shown.



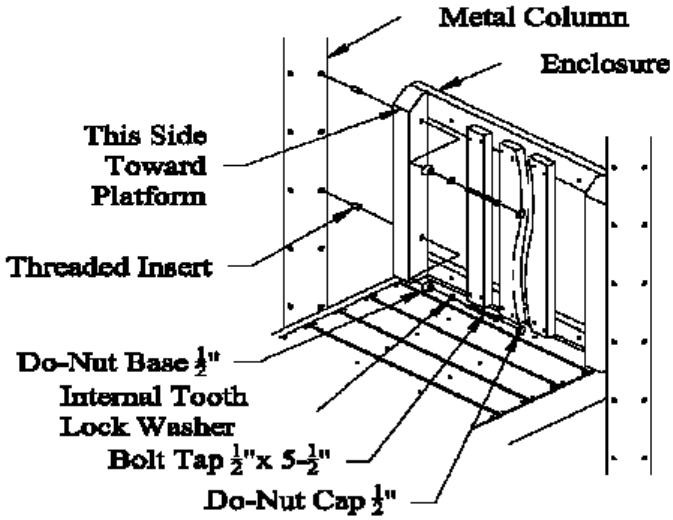
Platform Viewed From Below



Typical Enclosure Installation

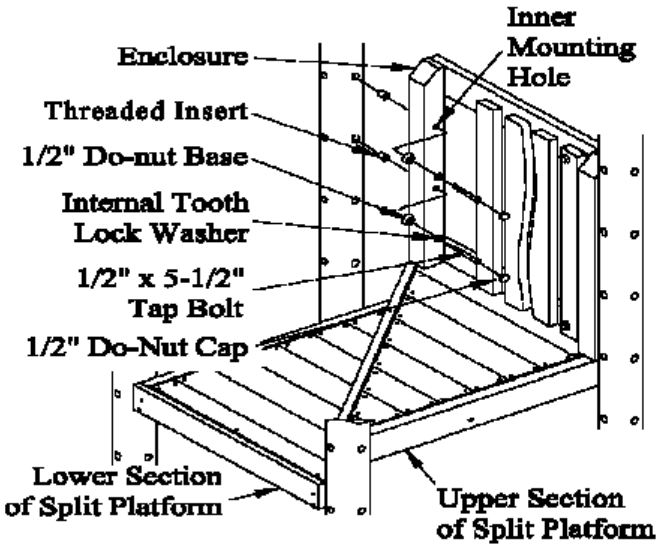
Enclosure installed over Standard Platform

1. Refer to your structure design for location of the Enclosure.
2. **Install Threaded Insert** in columns and in-line with outer mounting holes on Enclosure.
   (See "Typical Threaded Insert Installation.")
3. **Attach Enclosure** to columns using hardware as shown. Be sure that there is a ¼" gap between Enclosure and Platform.



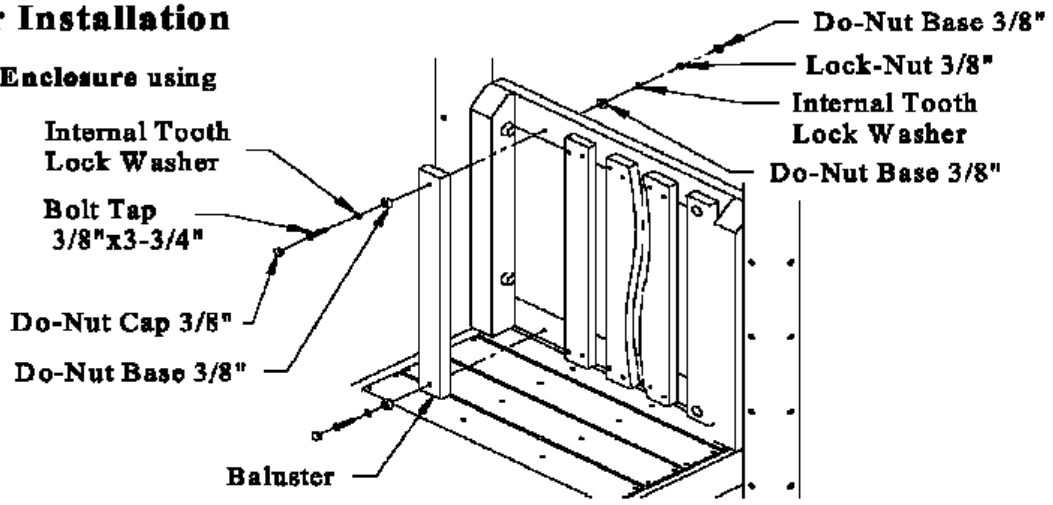
Enclosure installed over upper section of Split Platform

1. Refer to your structure design for location of Enclosure.
2. **Install Threaded Insert** in columns and in-line with inner mounting holes on Enclosure.
   (See "Typical Threaded Insert Installation.")
3. **Attach Enclosure** to columns using hardware as shown. Be sure that there is a ¼" gap between Enclosure and Platform.



Typical Baluster Installation

1. **Attach Balusters to Enclosure** using hardware as shown.

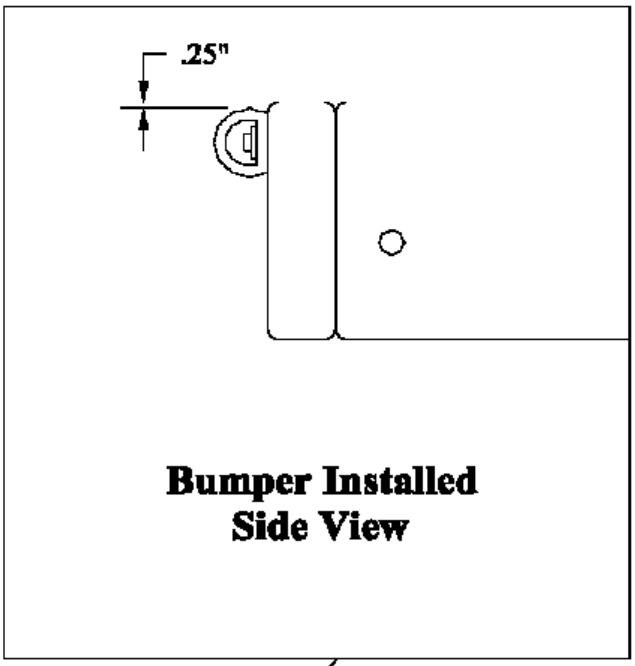


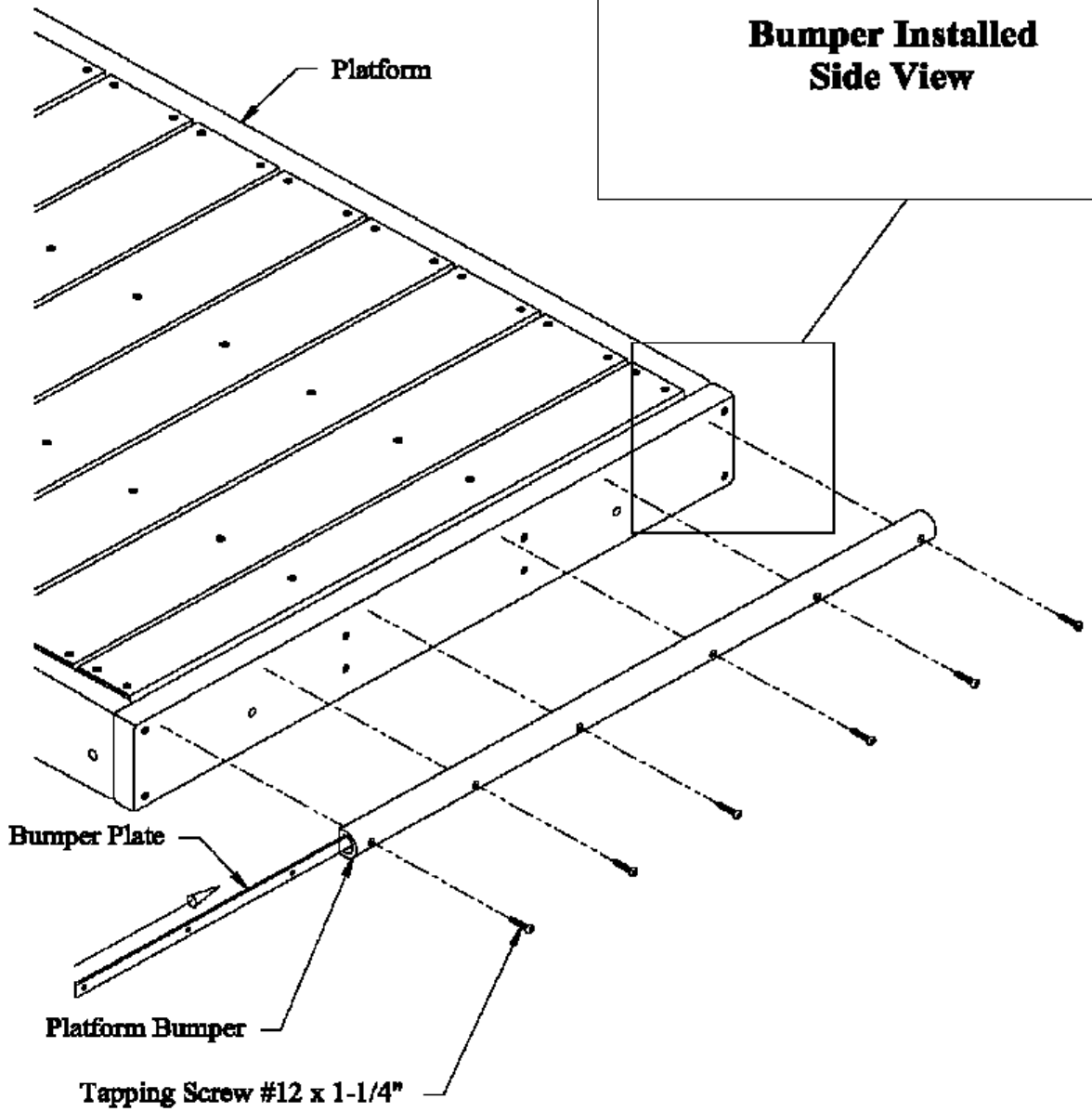
Typical Soft Edge Installation

1. **Insert Bumper Plate into Platform Bumper.**

2. **Center and align top edge of Platform Bumper** to top of platform.

3. **Attach Soft Edge Assembly to platform** by driving Wood Screws through holes in Platform Bumper and Bumper Plate and into Platform.



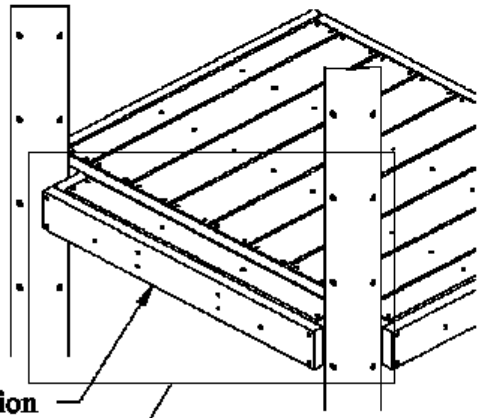


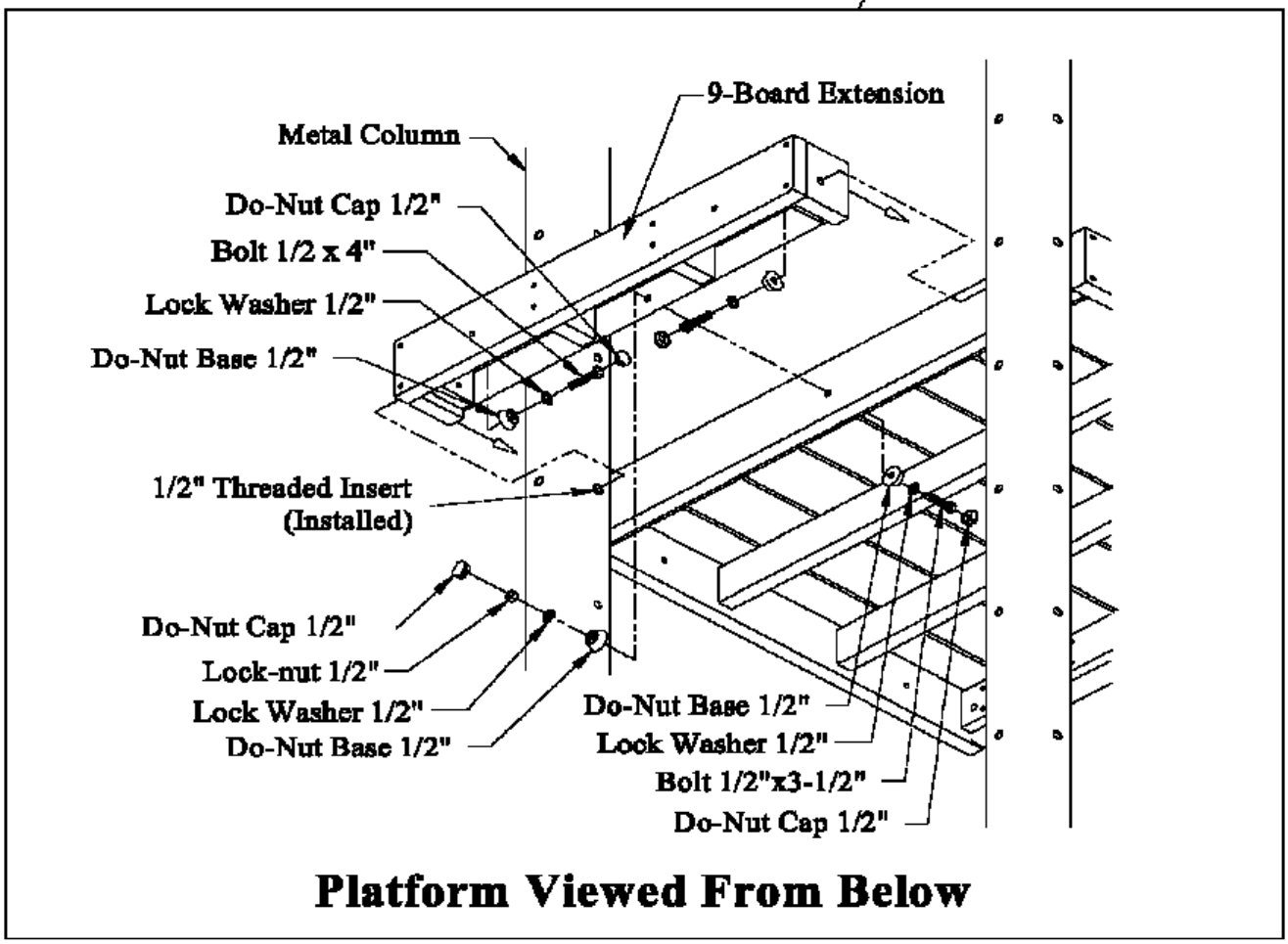
Typical 9-Board Extension Installation

1. Install the Threaded Inserts at the locations specified in Installation Instruction. (See "Typical Threaded Insert Installation").

2. Orient and slide the extension toward the platform in between Metal Columns as shown.

3. Attach the extension to the columns and the the platform using hardware as shown.





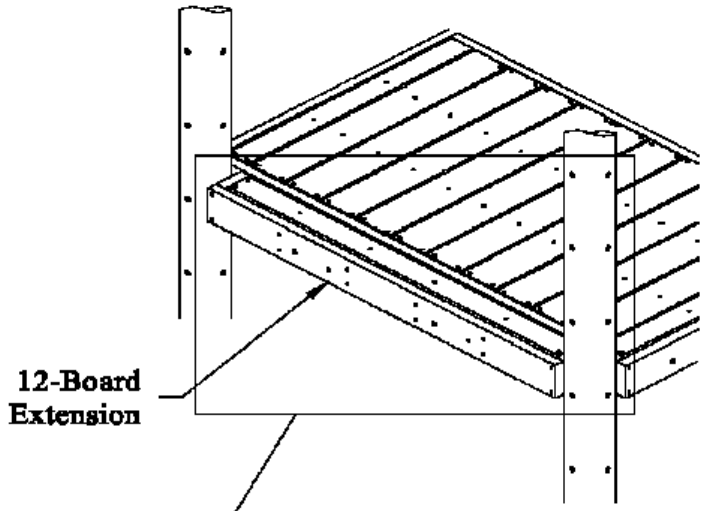
Platform Viewed From Below

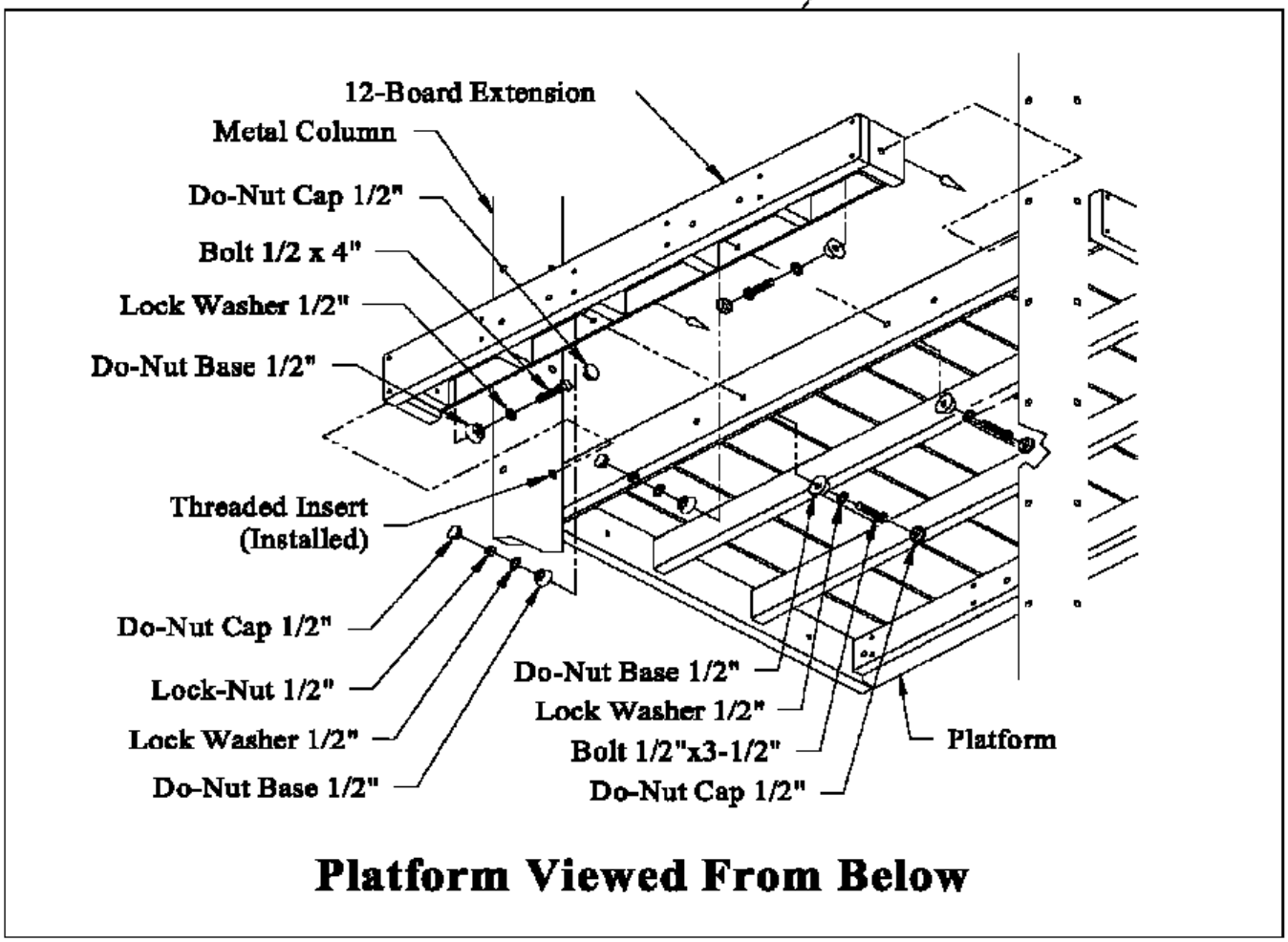
Typical 12-Board Extension Installation

1. Install the Threaded Inserts at the locations specified in Installation Instruction. (See "Typical Threaded Insert Installation").

2. Orient and slide the extension toward the platform in between Metal Columns as shown.

3. Attach the extension to the columns and the the platform using hardware as shown.

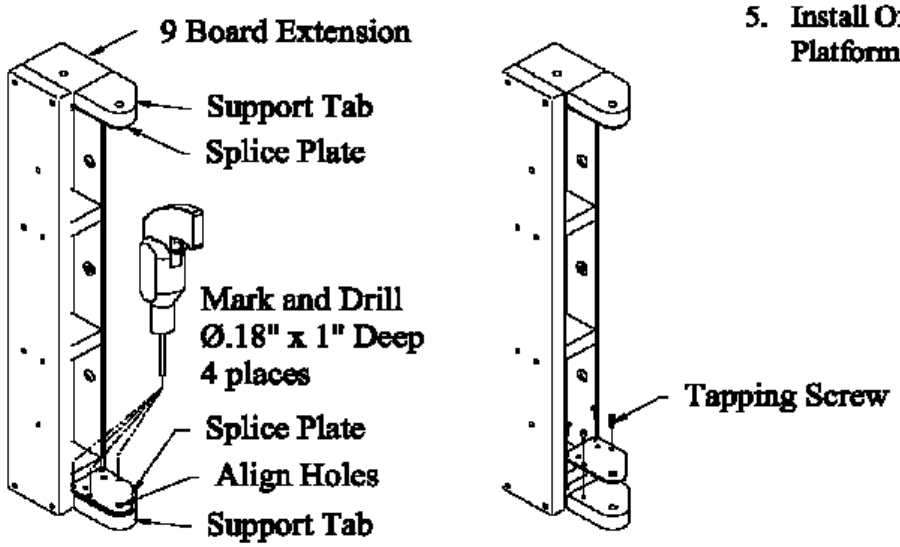


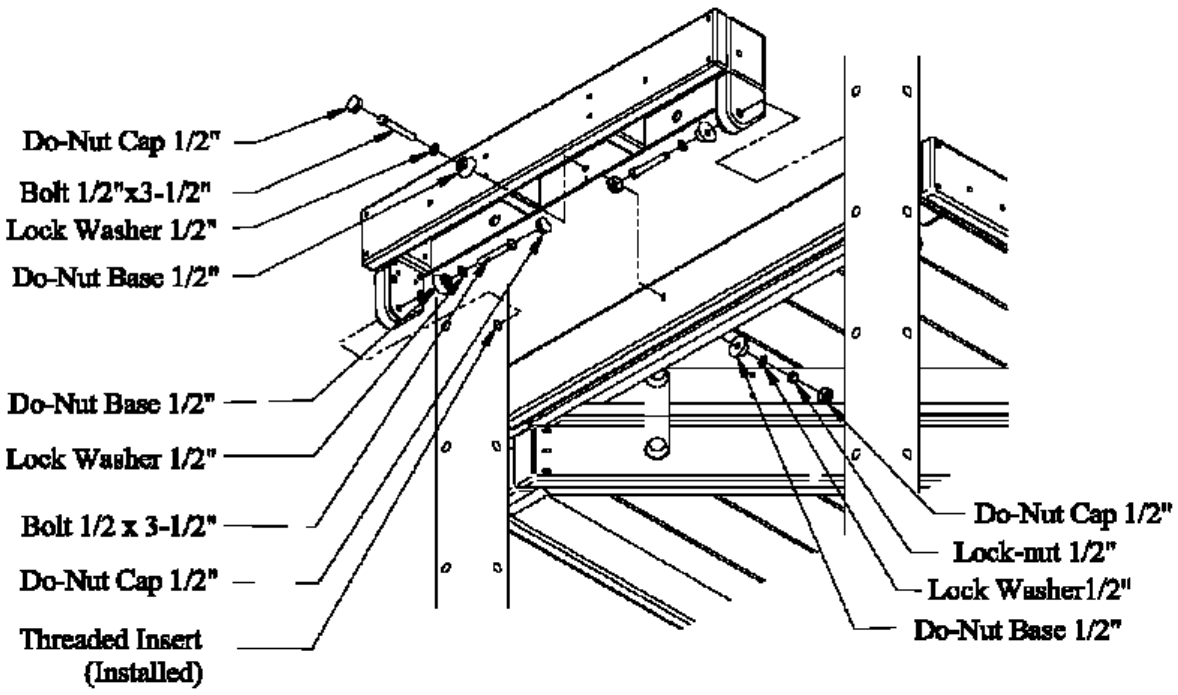


Platform Viewed From Below

Typical 9-Board Offset Extension

1. Temporarily locate Splice Plates and Support Tabs on Extension.
2. Mark hole locations for outer holes (4 places).
3. Drill Ø.18" (3/16") x 1" deep pilot holes into Support Tab and Extension.
4. Attach Support Tabs and Splice Plates to Extension using #04 x 1" Tapping Screws.
5. Install Offset Extension onto Upper Split Platform as shown below.





Glossary of Terms

ACTIVITY	Used to describe that part of a playground structure used to promote a particular type of play. For example, a slide or a climber.
ASTM	American Society for Testing and Materials.
Attachable	An item that can be attached to the basic structure.
Basic Structure	Columns or posts, platforms and enclosures.
Clearance Zone	A clear area, free of equipment, that surrounds the specific types of dynamic play events e.g.; swings, slides, etc.).
CSA	Canadian Standards Association
End caps	Plastic disks used to cover column ends.
Footing	Concrete base supporting vertical columns and pipes
Hole Plug	Plastic device used to plug unused holes in wood columns.
IPEMA	International Play Equipment Manufacturer's Association
No-Encroachment Zone	The additional area adjacent to the protective surfacing zone surfacing intended to allow pedestrian traffic near the play equipment in use while minimizing the risk of injury to pedestrians (CSA only).
Platforms	Horizontal decks forming part of the basic structure.
Play Event	See "Activity."
Structure	A single activity or group of activities joined to form one unit.
Threaded Insert	An expanding anchor that allows for mechanical attachment to the metal column.
USCPSC	United States Consumer Product Safety Commission.

Contact Information for Safety Standards

► US Consumer Product Safety Commission, Washington DC 20207
Phone: (800) 638-2772
Fax: (301) 504-0124
Web address: US Consumer Product Safety Commission

- Handbook for Public Playground Safety

► American Standards for Testing and Materials: 100 Barr Harbor Dr., West Conshocken, PA 19428
Phone: (610) 832-9585
Fax: (610) 832-9555
Web address: American Standards for Testing and Materials

- F1487-01: Standard Safety Performance Specification for Playground Equipment for Public Use
- F1292-95: Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment

► Canadian Standards Association, Consolidated Mailing List, 178 Rexdale Blvd., Etobicoke, Ontario, Canada M9W1R3
Phone: (416) 747-4000 or (866)797-4272 Toll Free 8-5, EST
Fax: (416) 747-4149
Web address: Canadian Standards Association

- CAN/CSA-Z614-03: Children's Playspaces and Equipment

MEC-038 SIGN LANGUAGE PANEL (Recycled)
EC-038 SIGN LANGUAGE PANEL (Wood)

Parts List			
DESCRIPTION	MEC-038	EC-038	PART NUMBER
SIGN LANGUAGE PANEL	1	1	402567
RECYCLED UPRIGHT	2	0	404291
WOOD PANEL	0	2	404292
HARDWARE COMPLETE	1	1	404273
3/8" x 5" HEX HEAD BOLT	4	4	801019*
3/8" LOCK NUT	4	4	804353*
3/8" INTERNAL TOOTH LOCKWASHER	8	8	817200*
10MM DO-NUT BASE	8	8	G030*
10MM DO-NUT CAP	8	8	G032*

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.

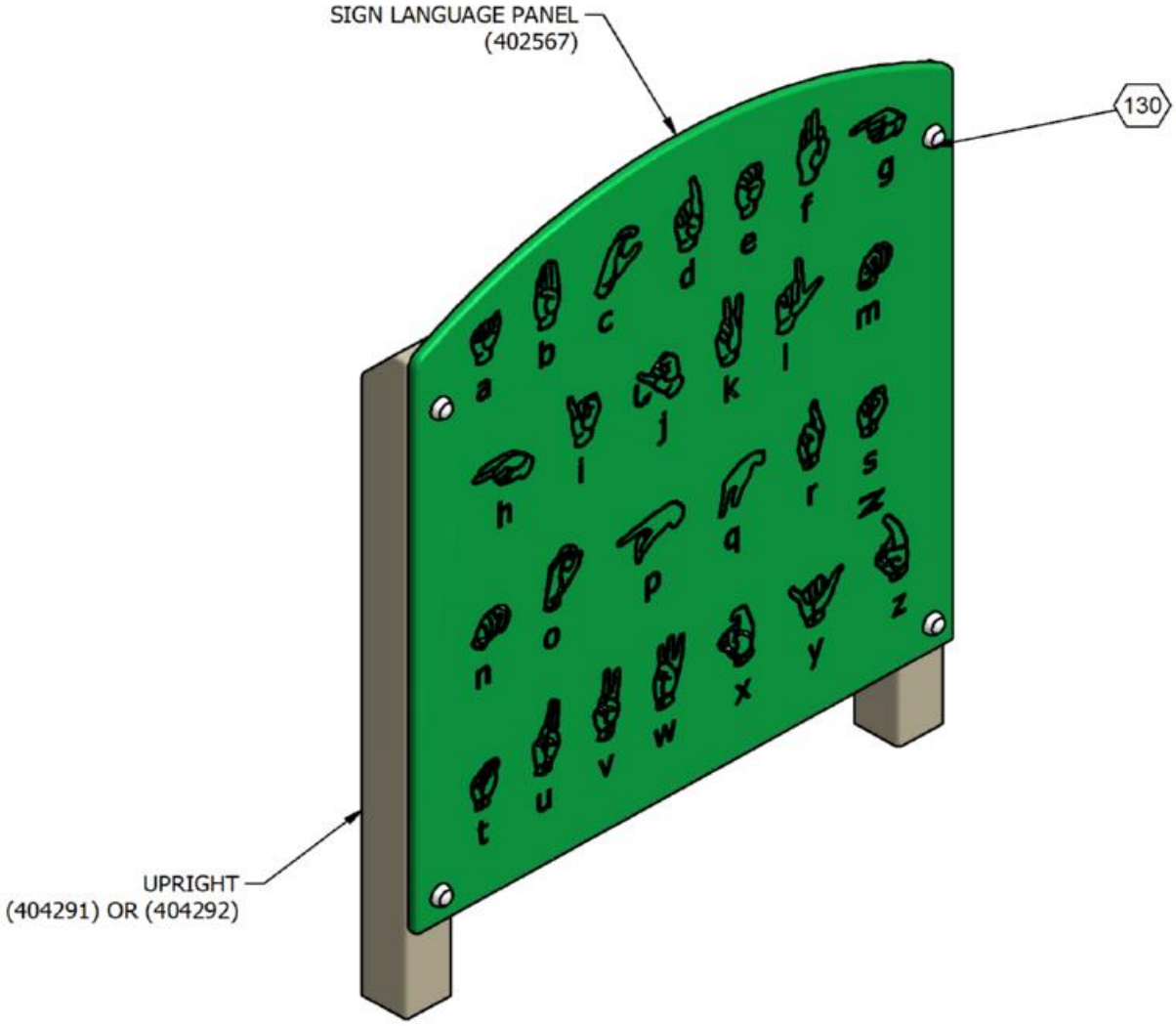
INSTALLATION INSTRUCTIONS:

1. Dig footing holes as shown in Elevation and Plan Views.
2. Locate Uprights and attach Sign Language Panel using 3/8" x 5" Hex Head Bolt , 3/8" Internal Tooth Lock Washer, 3/8" Lock Nut, Do-Nut Base 10mm and Do-Nut Cap 10mm as shown in Detail 130. See Plan View for orientation.
3. Plumb and level the entire assembly and tighten all fasteners.
4. 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.
5. 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:

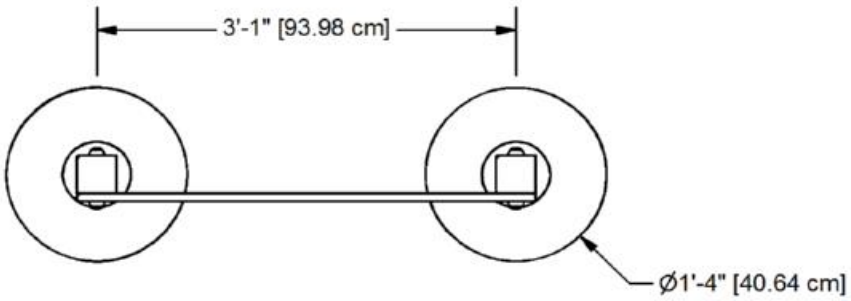
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check 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.

MEC-038 SIGN LANGUAGE PANEL (Recycled)
EC-038 SIGN LANGUAGE PANEL (Wood)

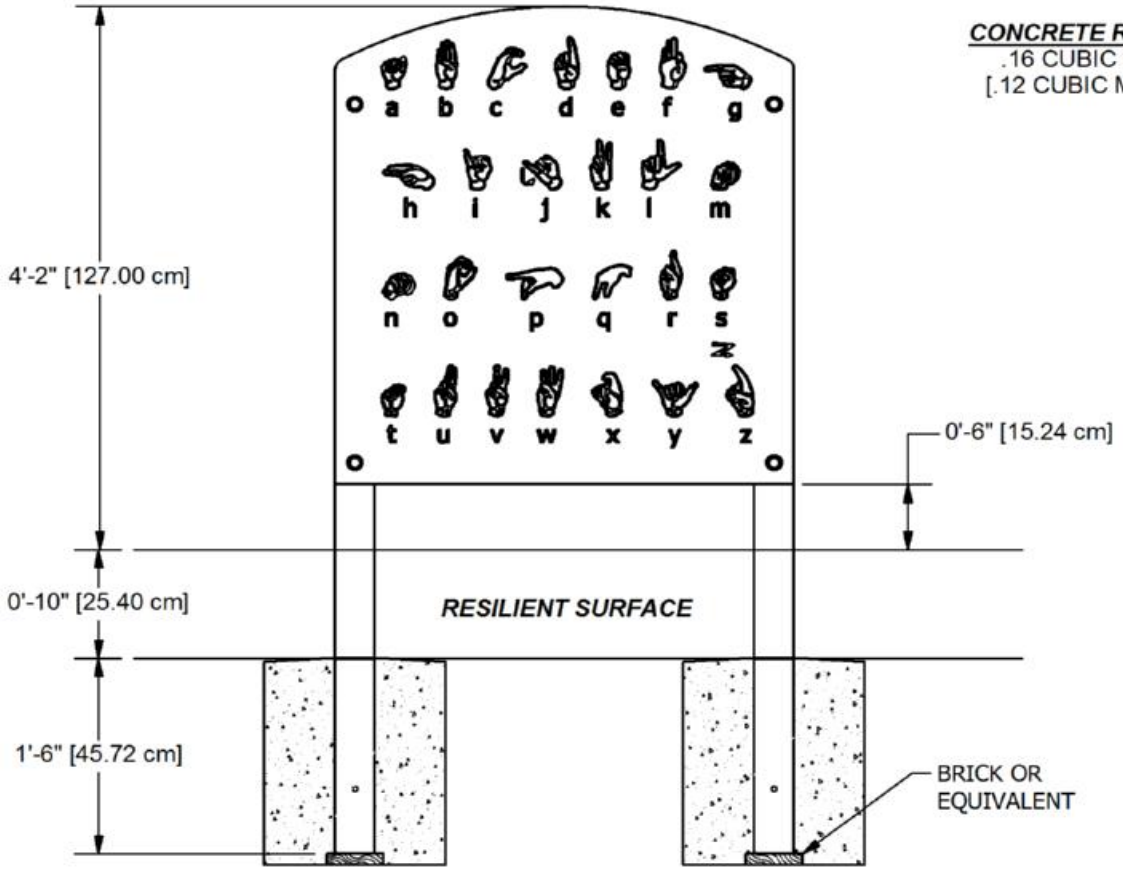


FINISHED ASSEMBLY

MEC-038 SIGN LANGUAGE PANEL (Recycled)
EC-038 SIGN LANGUAGE PANEL (Wood)



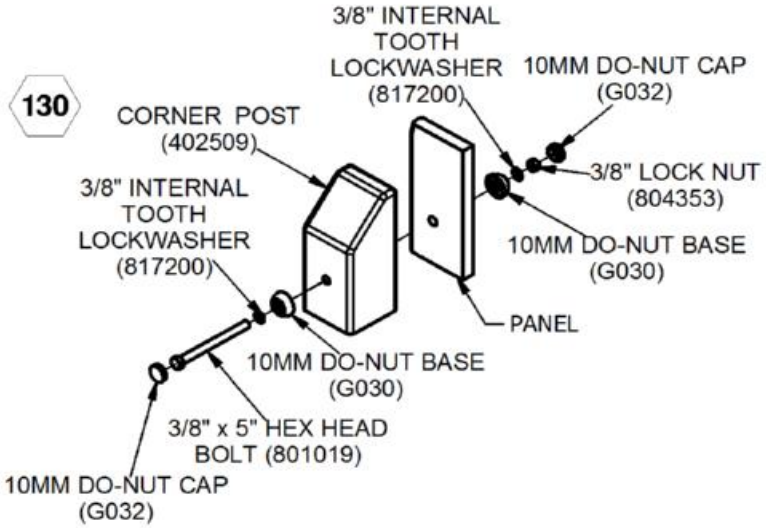
PLAN VIEW



CONCRETE REQUIRED
.16 CUBIC YARDS
[.12 CUBIC METERS]

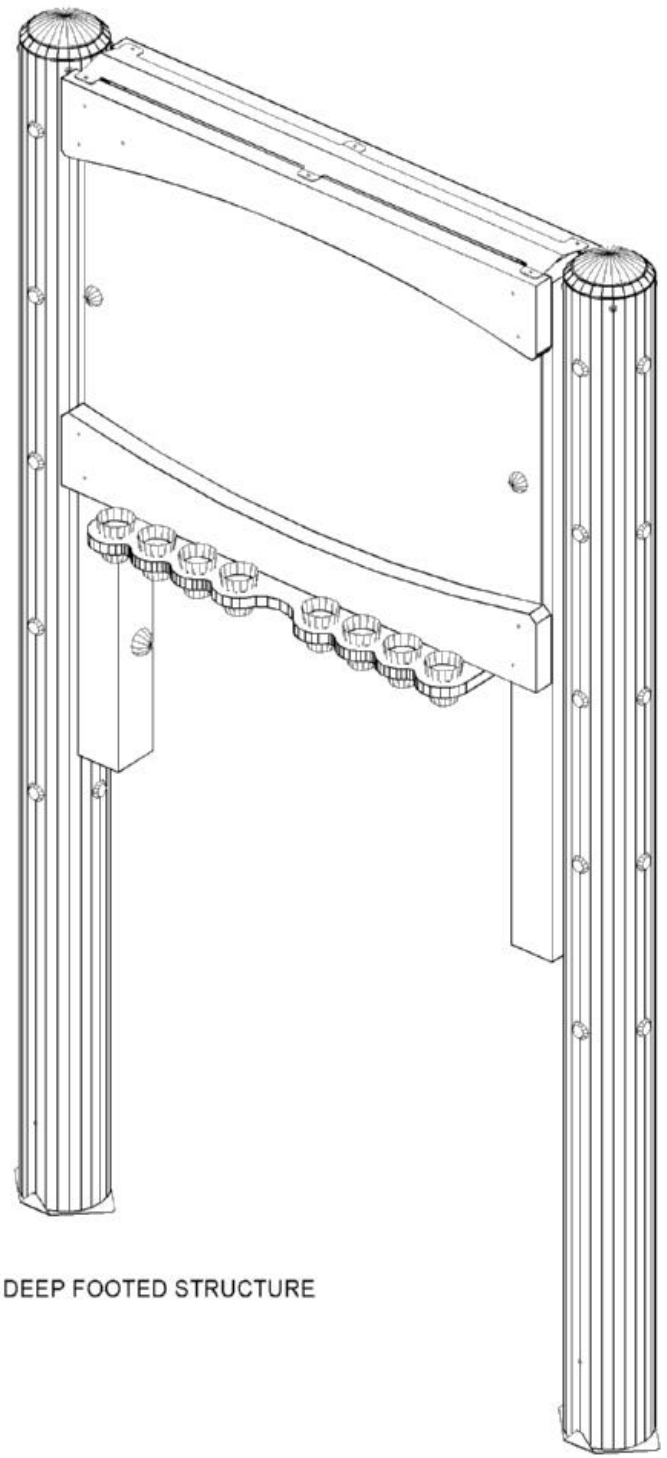
ELEVATION VIEW

MEC-038 SIGN LANGUAGE PANEL (Recycled)
EC-038 SIGN LANGUAGE PANEL (Wood)



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EarlyWorks Structure 2-5
Layout Drawing
MEC-117
ISO View

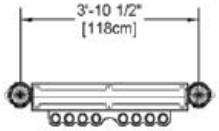


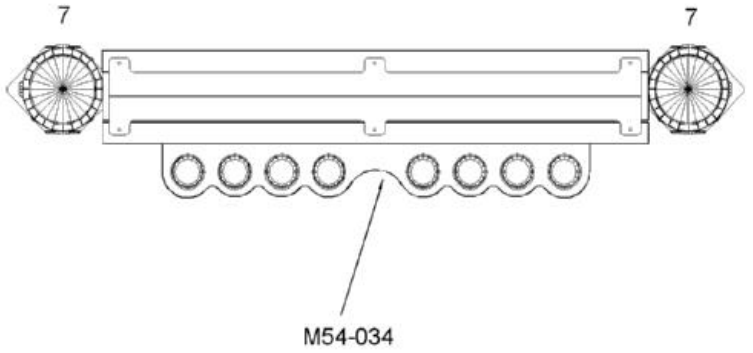
DEEP FOOTED STRUCTURE

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EarlyWorks Structure 2-5
Layout Drawing
MEC-117
Scale Plan





VIEW NOT TO SCALE

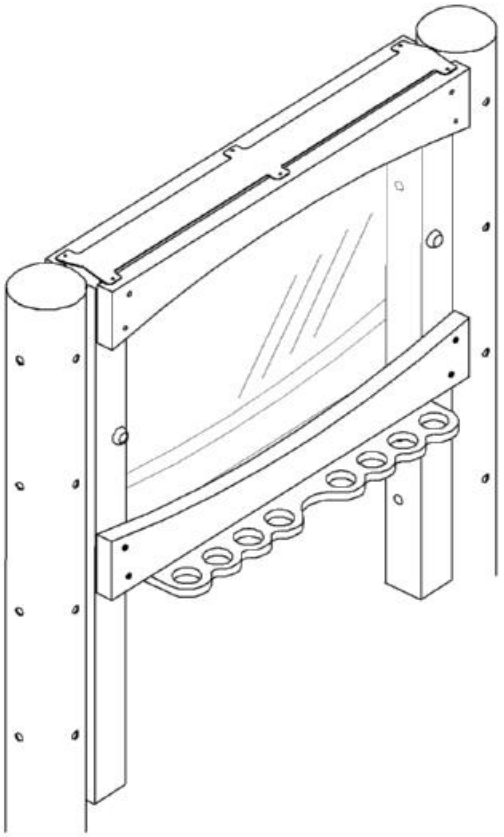
© BigToys 011211



Estimated Concrete:	5 ft.³ (.14m³)
Estimated Hours to Install:	3
Plan View Scale:	1/4"=1'-0"

Paint 'N Play, Metal

M54-034, M54-039
Installation Instructions

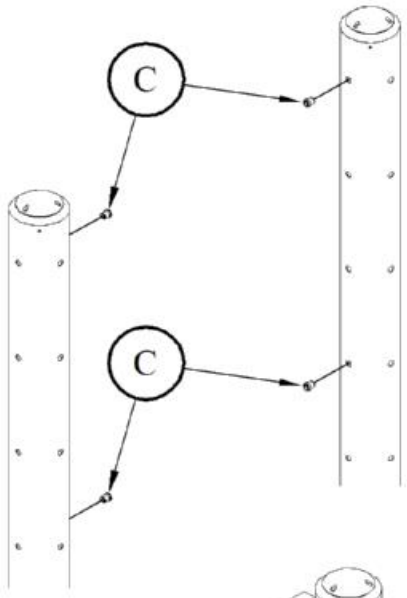


DET.	QTY.	PART#	DESCRIPTION	ICON (NOT TO SCALE)
A	1	M738_	Enclosure 49-3/4", Paint 'N Play - Metal	
B	1	401970	Shroud, Enclosure 49-3/4"	
C	4	401551	Threaded Insert 1/2"	
	1	E731_	Connector Enclosure, Paint 'n Play - Metal	
D	4	817201	Lock Washer, 1/2" Int Tooth Type A PLTD	
E	4	801219	Bolt Tap 1/2-13 x 5" NC Pltd	
F	6	815517	Wood Screw #8 x 3/4" Phil DR PN HD SS	
G	4	G034_	Do-Nut Base (No Boss) 12mm	
H	4	G036_	Do-Nut Cap 12mm	

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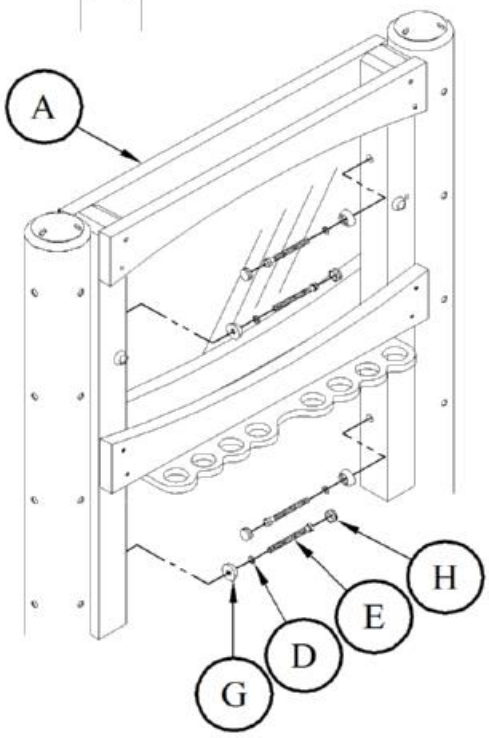
1. Refer to your Structure Design for location and orientation of Paint 'N Play.

2. **Install Threaded Inserts (C)** in Columns. (See "Typical Threaded Insert Installation).

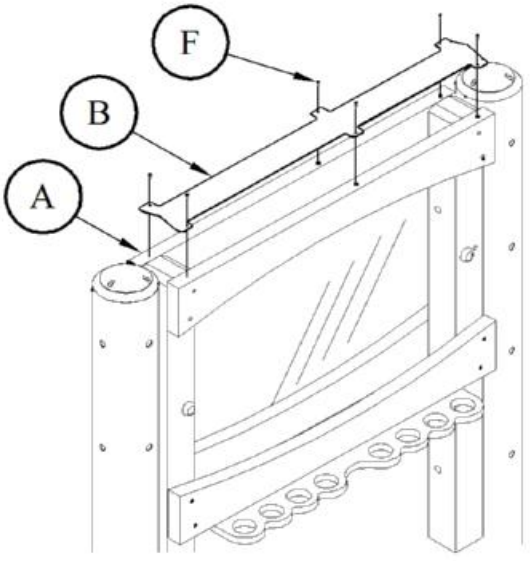


Refer to "Typical Threaded Insert Installation" in the supplemental Installation Instruction Prolog (iM1000) for installation procedures.

3. **Attach Enclosure (A) to Columns** using hardware (G)(D)(E)(H).



4. **Center and attach Shroud (B)** to the top of Enclosure (A) using hardware (F).



Be sure Enclosure is oriented as shown.

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A PLAYCORE Company

Developmentally Appropriate Indoor & Outdoor Play for Children under Two Years Old

early play™



Cruise-a-Long

MODEL# UP138

Assembly Instructions

01-06-12

Dear UltraPlay® Customer,

Thank you for choosing to purchase and install an Early Play™ commercial play system by UltraPlay, a PlayCore® Company. We appreciate the confidence you have placed in our company, and we will strive to earn your trust.

This is your Early Play Owner's Manual & Assembly Instructions booklet. We have designed this manual specifically for the products that you have purchased. Included in this manual you will find the following:

- Suggested Maintenance Schedule & Record
- Safety guidelines
- Warranty information
- Product installation instructions
- 2-D top view drawings
- Ground Plan

Please save your Owner's Manual & Assembly Instruction booklet for future reference.

The first several pages of this booklet contain important and valuable information regarding the general placement, installation and safety practices common to commercial play equipment. Please read this information carefully and use your best judgement as to how these guidelines apply to your specific situation.

If you have any questions concerning your new equipment, you can contact an Early Play™ Customer Service Representative at 1-800-458-5872.

To register your equipment and activate your warranty, please go to ***www.ultraplay.com/product registration*** within 30 days of delivery. This will allow UltraPlay to have a record of your purchase in case of warranty claims.

For more information on Early Play and UltraPlay products, please do not hesitate to give us a call or visit us at: www.ultraplay.com.

Thank you for your business; we look forward to working with you on all of your future playground equipment projects!

Sincerely,

Early Play by UltraPlay
A PlayCore® Company

GENERAL COMMERCIAL PLAYGROUND SAFETY GUIDELINES

IMPORTANT: This structure is designed to comply with the ASTM F1487 standard for users 6 months through 23 months of age.

Maintaining your playground equipment and its surrounding area is essential to minimizing the risk of injury to users as well as maximizing its useful lifespan. UltraPlay STRONGLY recommends that you follow these Safety Guidelines in conjunction with conducting periodic maintenance inspections using the accompanying *Playground Maintenance Checklist*.

When installing your playground, always consider local conditions. Good common sense works hand-in-hand with the instructions.

LOCATING YOUR PLAY STRUCTURE:
Comply with the following when choosing the location for your new equipment:

Equipment shall be positioned to eliminate conflicting traffic patterns. As a general rule, allow at least 3' of free space around the entire structure. This minimum area should be filled with the appropriate surface material. Read further for surfacing recommendations.

Never overlap the safety zones of adjacent equipment. All separate play equipment must have its own safety zone, and these cannot overlap. So, if you have an exisiting structure with a slide exit oriented toward your new one, add a minimum safety zone to that of the existing slide to determine how far away you need to be. Never install playground equipment near, around, or in conjunction with swimming pools, ponds, lakes, or any other bodies of water.

CHOOSING RESILIENT SURFACE MATERIAL:

According to ASTM guidelines: "Unacceptable material for use zones of play structures with fall heights of 18 in. or less shall include all hard or abrasive materials such as asphalt, concrete, terrazzo, or other materials with similar characteristics." Other standards apply for equipment with fall heights greater than 18 in.

Acceptable surfacing should be placed in the use zones of all equipment, as specified for each type of equipment, and at depths to meet the critical fall heights as specified by the U.S. Consumer Product Safety Commission, ASTM standard F-2373 and Canadian Standard CAN/CSA-Z-614.

For more information on the proper surfacing materials, call the CPSC hotline at 1-800-638-2772.

Worn surfaces around equipment should be restored. Concrete footing should never be exposed. Refer to the attached PLAYGROUND MAINTENANCE CHECKLIST.

Check for erosion and cratering of surfaces in heavy traffic areas and restore surfacing as necessary.

Surfacing leading to play opportunities for children with disabilities should be firm, stable, slip resistant, and resilient.

OVERHEAD OBSTRUCTIONS:
Overhead obstructions (for example, exterior obstructions such as tree limbs and interior lights) within the use zones of play structures shall be a minimum of 84 inches (2130 mm) above each designated play surface outdoors and a minimum of 48 inches (1220mm) above each designated play surface indoors.

All overhead utility line clearances above outdoor supervised and outdoor unlimited access settings shall comply with all local, state, and national codes, such as the National Electrical Safety Code. For specific equipment fall zone requirements, refer to the CPSC and ASTM F1487 and use the more stringent of the two.

CATCH POINT & PROTRUDING HARDWARE:
There should be no dangerous pieces of hardware, such as protruding bolt ends or narrow gaps in metal connections. Exposed hardware can cut or puncture skin and catch clothing drawstrings, which could strangle a child.

All protruding nuts and bolts should be eliminated; sharp edges on pipes should be capped or removed. Check for bent, broken, or severely worn pipe and replace. Examine play system for foreign objects, holes, and rough edges.

TRIPPING HAZARDS:
There should be no exposed concrete footings, abrupt changes in surface elevations, tree roots, tree stumps, or rocks, which can trip children and adults. Check for trip hazards, such as the support posts, or environmental trip hazards, such as rocks or roots in the play area. Make all necessary improvements or repairs.

AFTER THE EQUIPMENT IS IN USE:

- Never add components not intended for use with this product.
- Never install other play equipment, fencing, landscaping, etc., that encroach upon the safety zones of this equipment.
- Check overall stability and rigidity of all play equipment.
- Check for proper assembly, installation and ground anchoring.
- Check and re-tighten all fasteners after the first few days of use and again after three weeks of use. Thereafter, exercise normal maintenance procedures. Use of a thread-locking compound on the threads of bolts can prevent persistent loosening.

ROUTINE MAINTENANCE:

Regularly inspect and maintain your playground equipment and its surrounding area to help ensure the safety of the user. Proper maintenance of Early Play equipment includes using the accompanying **Playground Maintenance Checklist** found in this booklet to identify areas requiring repairs or replacement, and barricading the equipment to prevent use while corrections are being made.

As the Owner/Operator of the equipment, you should establish and maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment area. Find out if your playground has a designated official who periodically inspects the play equipment for preventative maintenance. This includes but is not limited to: replacing missing, broken or worn-out components; securing hardware; checking for deterioration in the metal or plastic materials; maintaining the proper depth of surfacing material; and cleaning up debris.

The following are some regular maintenance areas of note:

- Check for and repair damage caused by wear or vandalism, a major factor in injury causing situations.
- Proper maintenance of Early Play equipment requires regular tightening of all bolts, nuts, set screws and other hardware.
- All equipment should be free of rust and repainted with an appropriate lead-free paint whenever necessary to deter rusting. This should also be done for any chipped or peeling areas.
- Regular checking of all parts, casting, etc., should be made. If part is broken or worn it should be replaced immediately.
- Check for missing or broken parts and repair as necessary.
- Check to be sure there is free movement on moving attached parts.

Continued on next page >

- Check for hard surfaces and correct. Refer to CPSC surfacing requirements.
- Check for surfacing material that is worn or scattered and restore.
- Debris, broken glass, trash, or other foreign objects within or on the play area/equipment should be removed.
- Check for poor drainage areas and repair.
- Check concrete footings to see if they are exposed, cracked, or loose in the ground and repair as necessary.
- Check crush points (exposed mechanisms, junctures of moving components) and eliminate.
- Check for broken supports or anchors. Check for stability in ground. Structures should not be easily swayed; connections should be solid and adequately secured.
- Check all posts in ground for corrosion below grade.
- When flexible components are anchored in the ground, check and make sure anchoring devices are below the level of the playground.
- Check for visible cracks, bending, warping, rusting, or breakage of any component and repair as needed.
- Check for accessible sharp edges or points. Check for protruding bars, bolts, nuts, etc. Eliminate these conditions.
- Check for exposed ends of tubing that should be covered with plugs or caps.
- Check for loose bolts, nuts, etc. and tighten.

MAINTENANCE CHECKLIST

Maintaining your playground equipment as well as its surrounding area is essential to minimizing the risk of injury to users as well as maximizing its useful lifespan. UltraPlay recommends the following maintenance prodedures be followed:

On a daily basis: A responsible individual should conduct a brief visual check for structural defects, signs of vandalism and litter of foreign matter that needs to be removed.

On a weekly basis: A responsible individual should complete this checklist. Any required repairs should be detailed on the separate **Detailed Maintenance Record**, and once they are completed, both should be filed for future reference. A separate file and form should be kept for each play strucure at each location.

IMPORTANT: Always refer to - and comply with - the separate Safety Guidelines and ASTM and CPSC Guidelines. The play structure(s) should be barricaded so that it cannot be used while repairs are being completed.

	Item to be Checked (use the following page to record a breif description of the necessary repairs)	OK	Repairs Required	Date Repaired
A.	Play Structures in General			
	1. Post and component footings are not exposed, cracked or loose			
	2. Welds are intact and free of cracks			
	3. No rust or corrosion			
	4. No splintered, cracked, gouged or otherwise deteriorated plasics; check for integrity of the plastic, keep plastic clean of any extraneous substances, verify that any deformation does not create entrapment as specifed on ASTM-F-2373.			
	5. No scratched, chipped or peeling paint			
	6. Metal parts show no visible cracks, bending, warping or breakage			
	7. No missing bolts, nuts, etc.			
	8. All bolts, nuts and fasteners are tight			
	9. All joints are secure (pay special attention to flush-mounted decks and pipe connections)			
	10. No broken or missing parts			
	11. No sharp edges or unsafe protrusions (check metal corners, bolts, etc.)			
	12. No exposed mechanisms, junctions of moving parts or components that will pose possible pinch or crush points			
B.	Play Events			
	1. Plastic is not cut or cracked			
C.	Surrounding Area			
	1. Resilient surfacing material is not scattered or excessively worn			
	2. Resilient surfacing material is adequately deep and retains its fall absorbing abilities as specified at time of installation			
	3. Border around playground is in good condition and has not come loose			
	4. No roots, rocks or other objects that may cause a tripping or injury hazard			
	5. Area is clean of litter (no broken glass or bottles, etc.)			

DETAILED MAINTENANCE RECORD

ultraPLAY
A PLAYCORE Company

Play Area Site Name _____

Play Area Location or Description _____

Date _____ Inspector _____

Item Number	OK	Problem	Solution	Date Repaired	Initials

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Limited Warranties

15 Years

Steel Decks and Metal Parts:

Materials & Workmanship

10 Years

HDPE Panels:

Materials & Workmanship

1 Year

Products including moving parts and ComfyTuff™ Coated Foam Platforms:

Materials & Workmanship

All warranties specifically exclude damage caused by man-made or naturaldisasters, vandalism, negligence, improper installation or improper use,modification, changes in appearance resulting from weathering, scratches, dents, discoloration, normal wear and tear, or marring as a result of public or private use.

Claims are limited to replacement of equipment only and do not include any costs associated with labor, removal or installation of the original or replacement product.

Warranties are valid only if products are installed and maintained in accordance with UltraPlay installation instructions and use of approved parts.

To register your equipment and activate your warranty, please go to **www.ultraplay.com/product registration** within 30 days of delivery. This will allow UltraPlay to have a record of your purchase in case of warranty claims.

early play™

Warranty

UltraPlay warrants its products to be free from defects in materials and/or workmanship, subject to normal usage and installation, for a period of 1-year from the date of shipment to the original purchaser. In the event of a claim under this warranty, UltraPlay will replace the component at no cost within the first 12 months from date of shipment to the original customer. Equipment not specifically addressed in the following paragraphs is also subject to this limited 1 year warranty against defects in materials and/or workmanship.

FIFTEEN-YEAR LIMITED WARRANTY ON METAL PARTS

UltraPlay provides a limited warranty on metal decks, steps, stairs, rails, pipes, support posts, rungs, loops, to be free from defects in materials or workmanship against structural failure which causes the product to become unfit for its intended use, subject to normal usage and installation, for a period of 15 years from the date of shipment to the original customer.

TEN-YEAR LIMITED WARRANTY ON UPRIGHT POSTS

UltraPlay provides a limited warranty on Early Play metal posts and HDPE Panels to be free from defects in materials or workmanship against structural failure which causes the product to become unfit for its intended use, subject to normal usage and installation, for a period of 10 years from the date of shipment to the original customer.

FIVE-YEAR LIMITED WARRANTY ON GROUND-MOUNT METAL PARTS

UltraPlay provides a limited warranty on metal footers, inground footers, surface mount plates, ground spikes, mounting posts and plates to be free from defects in materials or workmanship against structural failure which causes the product to become unfit for its intended use, subject to normal usage and installation, for a period of 5 years from the date of shipment to the original customer.

ONE-YEAR LIMITED WARRANTY ON HARDWARE

UltraPlay provides a limited warranty on hardware, Moving Parts and ComfyTuff™ Coated Foam Platforms to be free from defects in materials or workmanship against structural failure due to breaking or shearing, subject to normal use and installation, for a period of 1 year from the date of shipment to the original customer.

WARRANTY EXCLUSIONS

All warranties specifically exclude damage caused by man-made or natural disasters, vandalism, negligence, improper installation or improper use, modification, changes in appearance resulting from weathering, scratches, dents, discoloration, normal wear and tear, or marring as a result of public or private use.

Claims are limited to replacement of equipment only and do not include any costs associated with labor, removal or installation of the original or replacement product.

Warranties are valid only if products are installed and maintained in accordance with UltraPlay installation instructions and use of approved parts.

This warranty is applicable to the original owner only. Warranties are non-transferable.

Claim Procedure: To make a warranty claim, send your written statement of claim, photographs of defective equipment, and the original purchase invoice or invoice number to:

Early Play by UltraPlay
Customer Service
1675 Locust Street
Red Bud, IL 62278

Or Contact a Customer Service Representative at:
1-800-458-5872

Within 60 days of notice of claim under warranty, UltraPlay will make arrangements to replace the damaged product. UltraPlay will cover freight costs within the continental United States. UltraPlay is not responsible for freight costs associated with products located outside the continental United States. UltraPlay reserves the right to inspect all products identified as defective. Photos of defective equipment may be required to accompany warranty claims.

Since warranty limitations and exclusions may vary from state to state, you should check any specific warranty rights in your state.

Date of Purchase: _____

Purchaser:_____

UltraPlay Invoice Number: _____

_____
Authorized UltraPlay Signature

_____
Title

INTERNATIONAL PLAY EQUIPMENT MANUFACTURERS ASSOCIATION
IPEMA MEMBER

visit UltraPlay on the web at ultraplay.com

GENERAL INTRODUCTION TO INSTALLATION INSTRUCTIONS

IMPORTANT! Please read the entire Installation Instructions packet before beginning the installation.

UltraPlay has designed Early Play to take advantage of all Consumer Product Safety Commission (CPSC) and ASTM guidelines in force at the time of purchase in an effort to help prevent playground accidents. However, because studies have shown most playground injuries result from accidental falls, you, as the new owner of this equipment are responsible for providing an acceptable play surface under and around all playground equipment. Please refer to the accompanying Safety Guidelines as well as CPSC guidelines and this document for examples of such surfacing.

We would like to provide the following suggested guidelines for your play environment:

- Refer to the Use Zone and note the Minimum Area Required shown for this structure. This area must be filled with acceptable play surface material, and must be clear of all obstacles, including but not limited to trees, curbing, sidewalk, fence, other play equipment, rocks and landscaping, etc.

- According to ASTM guidelines: "Unacceptable materials for use zones of play structures with fall heights of 18 in. or less shall include all hard or abrasive materials such as asphalt, concrete, terrazzo, or other materials with similar characteristics." Other standards apply for equipment with fall heights greater than 18 in.

- Acceptable play surfaces include: sand, mulch, fine gravel, or shredded beltless tires, if installed at the appropriate depths per CPSC guidelines for play surfacing.

- Close supervision of children playing on or around the structure is strongly recommended, along with classroom and/or home instructions on safe behavior on the playground equipment. The full supervision of playgrounds is the responsibility of the owner once the play structure has been properly installed.

TOOLS REQUIRED:

UltraPlay supplies only the special wrench and bits required to fasten the "tamper-resistant" hardware. You will need common wrenches as well as a drill, phillips head screw driver, utility knife, rubber mallet, and a tape measure.

INSTALLATION GUIDELINES:

1. Compare all parts received to the packing list. Notify UltraPlay immediately of any missing parts. We are not responsible for parts discovered missing over 10 days after receipt of the shipment.

2. Refer to your Use Zone to ensure this structure will fit into your actual site area. Note the Minimum Area Required measurements to determine clear space required. A minimum of 3' clearance is required between any obstacles and your structure.

3. Site selection should include considerations of what is a safer and appropriate play area:
- A level and clear site is ideal, free of power lines or electrical equipment.
- Do not install play equipment near any bodies of water.
- If adjacent to a street with traffic, ensure adequate fencing acts as a barrier to children running into danger.

4. Site layout should include accurate measurement and marking of all footings prior to any installation. Use the dimensions shown between footings on the Use Zone to plot out the actual footprint of the play structure before doing any digging. Also locate any freestanding play equipment in the same way, providing the necessary clearance between the equipment as well as any fences, trees, etc. Ensure at this time you have enough total space for the equipment to be installed.

Finally, if you should have any questions regarding the proper installation of this equipment, please contact UltraPlay at:

UltraPlay
Early Play Customer Service
1675 Locust Street, Red Bud, IL 62278
1-800-458-5872 Fax 1-618-282-8202
E-mail: customerservice@uplaytoday.com

WARNING LABEL APPLICATION INSTRUCTIONS

The enclosed Warning Label must be affixed to your playground equipment.

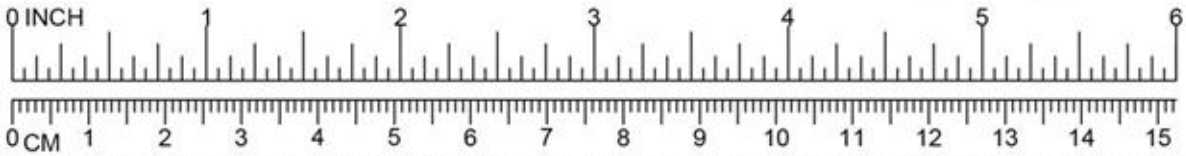
INSTRUCTIONS:

1. Fully assemble and install your Early Play playground equipment per the accompanying installation instructions.

2. When installation of the equipment is complete, and prior to allowing use of the equipment, refer to the installation instructions to install the Warning Label on the structure.

3. Fully clean the mounting plate surface to receive the label with soap and water, and ensure that no oils, film, or dirt remain.

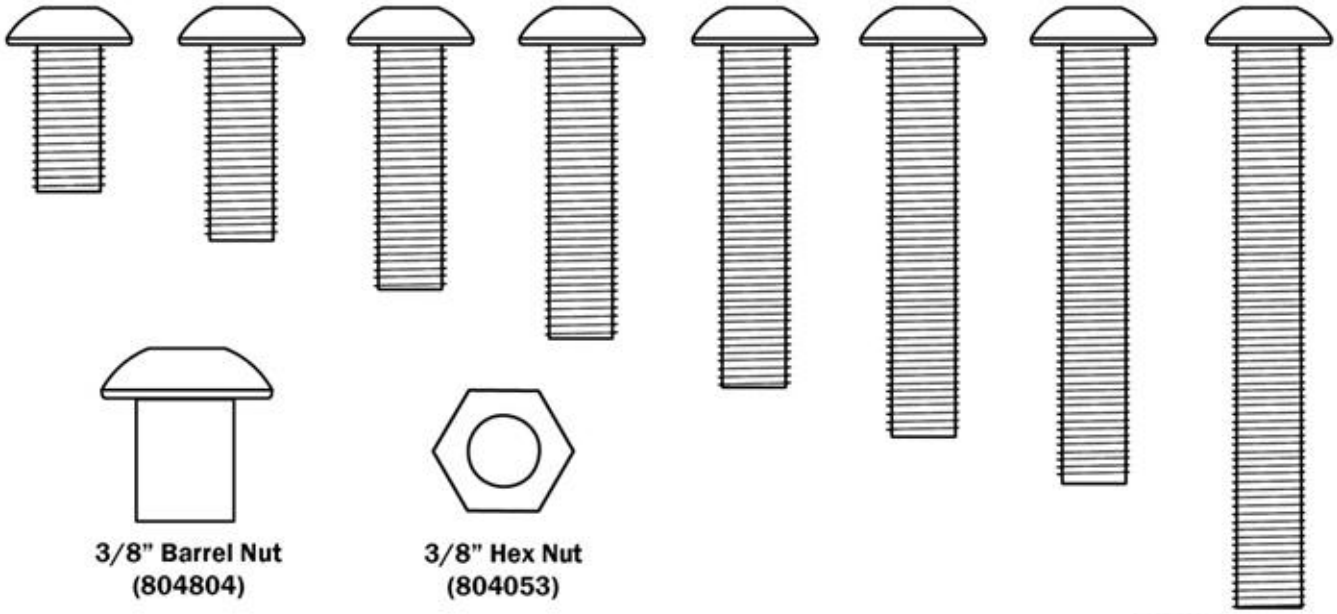
4. Allow surface to dry fully. Apply the Warning Label, smoothing over the surface with a clean cloth so there are no air bubbles present.



HARDWARE SHOWN IS FOR CLARITY ONLY. REFER TO PARTS LIST FOR HARDWARE NUMBERS.

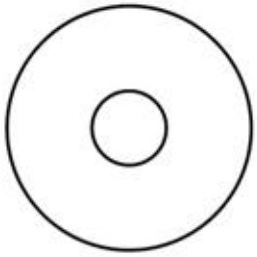
Hardware*

3/8" B.H.C.S. Bolts (Hardware is Actual Size)

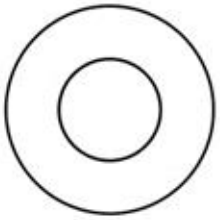


3/8" Barrel Nut
(804804)

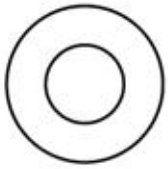
3/8" Hex Nut
(804053)



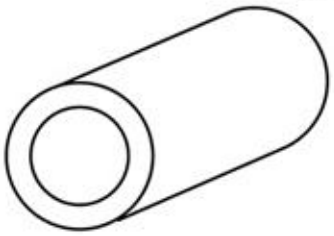
3/8" Flat Washer (1-1/4"O.D.)
(817424)



1/2" Flat Washer
(817412)



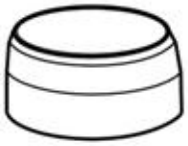
3/8" Flat Washer
(817410)



Bronze Bushing
(818317)
or
(102820)



Plastic Cap
(304074)



Plastic Washer
(304073)



#4 x 1/2" Long Pan Head Screw
(809400)

*Note: Your play system may not require all hardware listed.

TOOLS REQUIRED



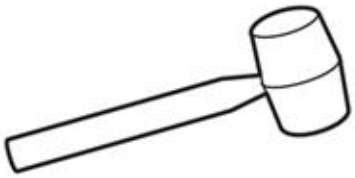
Utility Knife



Drill



Tape Measure



Rubber Mallet



Phillips Head Screw Driver



Wrench 9/16"



Socket Wrench

5/16" & 9/16" Sockets



#45 Torx Head Wrenches & Bits
(included)

UP138 CRUISE-A-LONG (STANDARD) PLAYFUL

Parts List		
DESCRIPTION	QTY	PART NUMBER
COATED DECK	1	403064
COATED RAMP	1	403061
SQUIRREL PANEL	1	403192**
BACK WALL	1	403055**
CLEAR BUBBLE	2	304423
CRUISE RAIL	1	403005
SQUARE	2	301598**
SPIRAL WHEEL	2	403022**
90° ANGLE BRACKET	4	403102
TUBE BRACKET	2	403019**
TUBE	1	403024
WARNING LABEL PLATE	1	403215
HARDWARE COMPLETE	1	403211
3/8" x 3/4" CARRIAGE BOLT	8	800252*
3/8" x 3/4" P.B.H.C.S. w/PATCH	8	812052*
3/8" x 1" P.B.H.C.S. w/PATCH	2	812050*
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	20	812054*
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	1	812056*
3/8" x 2 3/4" P.B.H.C.S. w/PATCH	1	812058*
3/8" x 3 1/4" P.B.H.C.S. w/PATCH	3	812060*
3/8" HEX NUT	18	804053*
3/8" FLAT WASHER (1 1/4" O.D.)	20	817424*
3/8" BARREL NUT	21	804804*
3/8" FLAT WASHER	38	817410*
1/2" I.D. BRONZE BUSHING	2	102820*
LARGE GEAR	1	403100*
SMALL GEAR	2	403101*
#4 x 1/2" PAN HEAD SCREW	4	809400*
6-23 MONTH WARNING LABEL	1	403214*
3/8" PIN-IN TORX BIT TT-45	2	812655
3/8" PIN-IN TORX KEY-TT-45	2	812658

Unless Otherwise Specified, All Units of Measure are Each
**Items listed below Hardware Complete line are included with Hardware Complete Number*
*****Included in HDPE package 403197***

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.

UP138 used with UP140 In-Ground Package or UP141 Surface Mount Package. (Both Sold Seperately)

UP138 CRUISE-A-LONG (STANDARD) PLAYFUL

SPECIFICATIONS:

HDPE Panels:
Panels shall be precision cut from a single solid sheet of .750" thick UV-stabilized extruded high-density polyethylene with colors molded in. The material will have a density of 60 lbs/ft³ and a tensile strength of 4400 PSI (30 Mpa) as determined per procedure C of ASTM D1928. All edges shall have radiuses and all corners rounded for safe play.

Cruise Rail:
Shall be 1-1/16" O.D. x 15 gauge (.075" thick) galvanized steel tubing and shall be coated after fabrication with a custom formula of TGIC polyester powder coating.

Bubble:
Shall be 16" O.D. x 1/4" thick transparent polycarbonate.

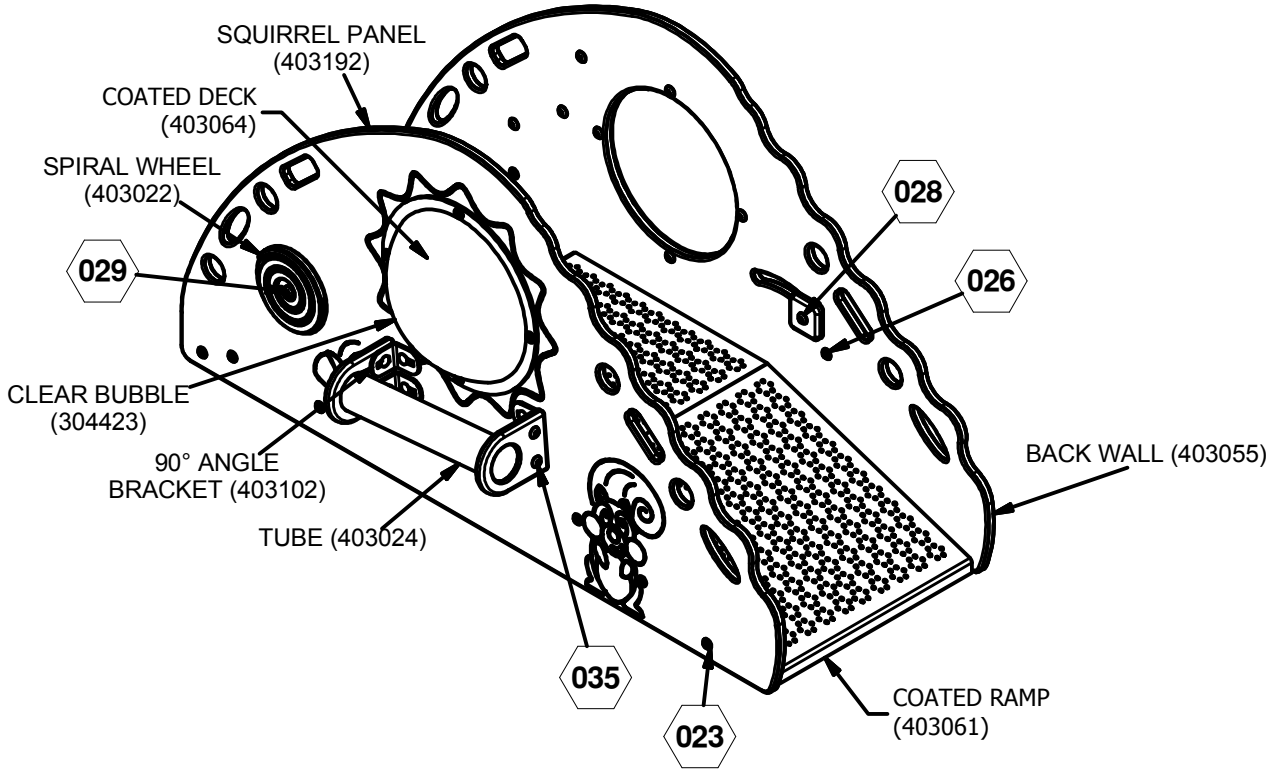
Tube:
2.875" ID x 3" OD x 1/16" wall clear polycarbonate tube

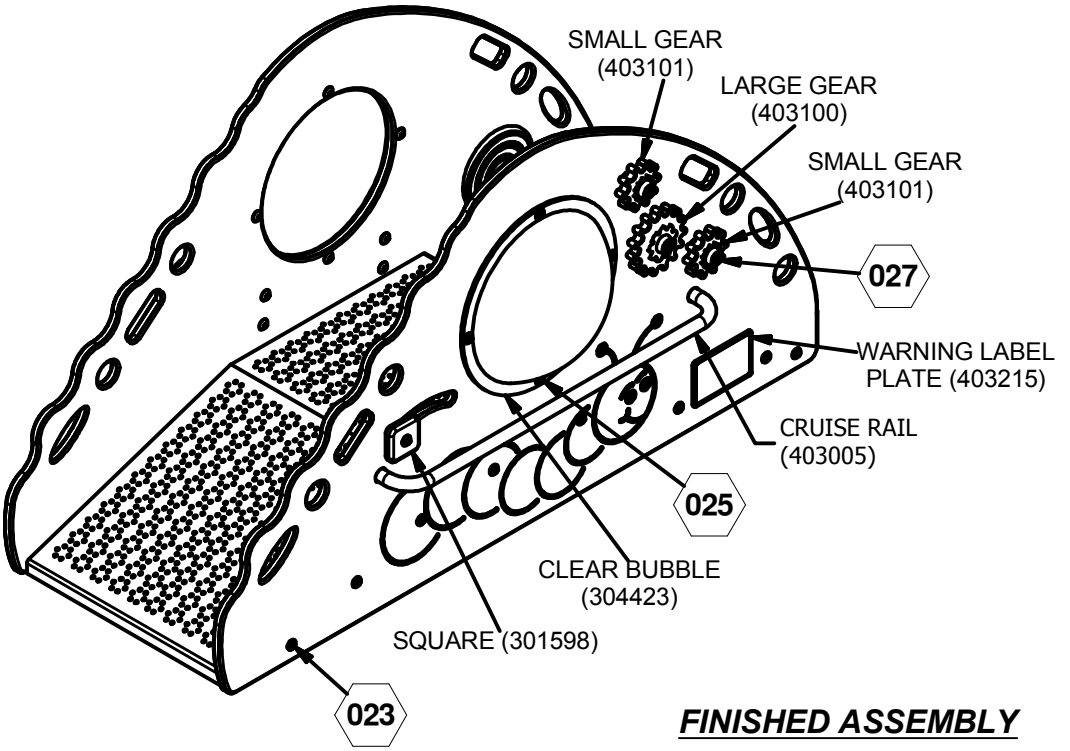
Coated Steps, Deck & Ramp:
Shall be 11ga (.120") Sheets P & O and plastisol-coated. Each part is chemically washed and completely submerged in a special heat-activated primer and allowed to dry. Parts are then pre-heated and immersed in liquid polyvinyl-Chloride (plastisol). The PVC coating shall have a typical thickness of .080" to .120", and a hardness of Shore A 83 +/-5 normal durometer range. This material is classed as "Self Extinguishing", meets or exceeds automotive specifications NVSS302, and contains ultraviolet inhibitors to help prolong the life of the coating. Standard color is brown, with optional colors available. The following characteristics apply:
Tensile Strength - 2,800 psi
Elongation - 290 %
Tear Strength - 420 lbs/in

90° Angle Bracket:
Shall be 3/16" x 2" Hot Rolled Steel. 90 Degree Angle Bracket will have baked on polyester powder-coated finish after fabrication.

Hardware:
All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 304 alloy stainless steel. Fasteners with yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. Stainless steel fasteners shall be button pin-in head, hex socket cap screws with a two-part epoxy locking patch added to the threads. The two-part locking patch shall consist of one part resin and one part catalyst which are activated during installation. After curing, the material shall require a minimum of five times the installation torque to remove the fastener. Manufacturer shall provide special installation tools for pinned fasteners.

UP138 CRUISE-A-LONG (STANDARD) PLAYFUL



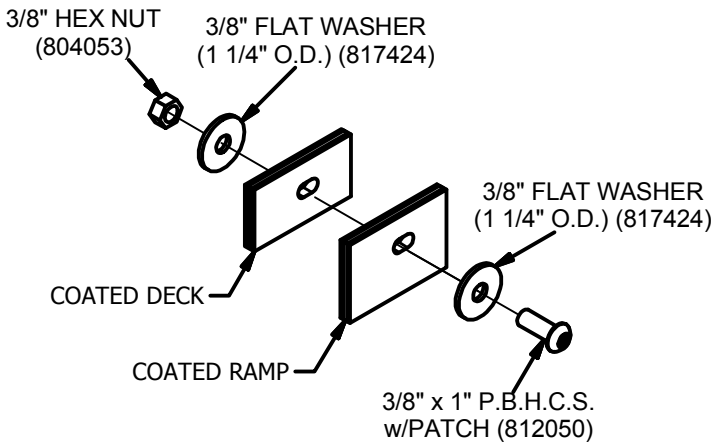


FINISHED ASSEMBLY

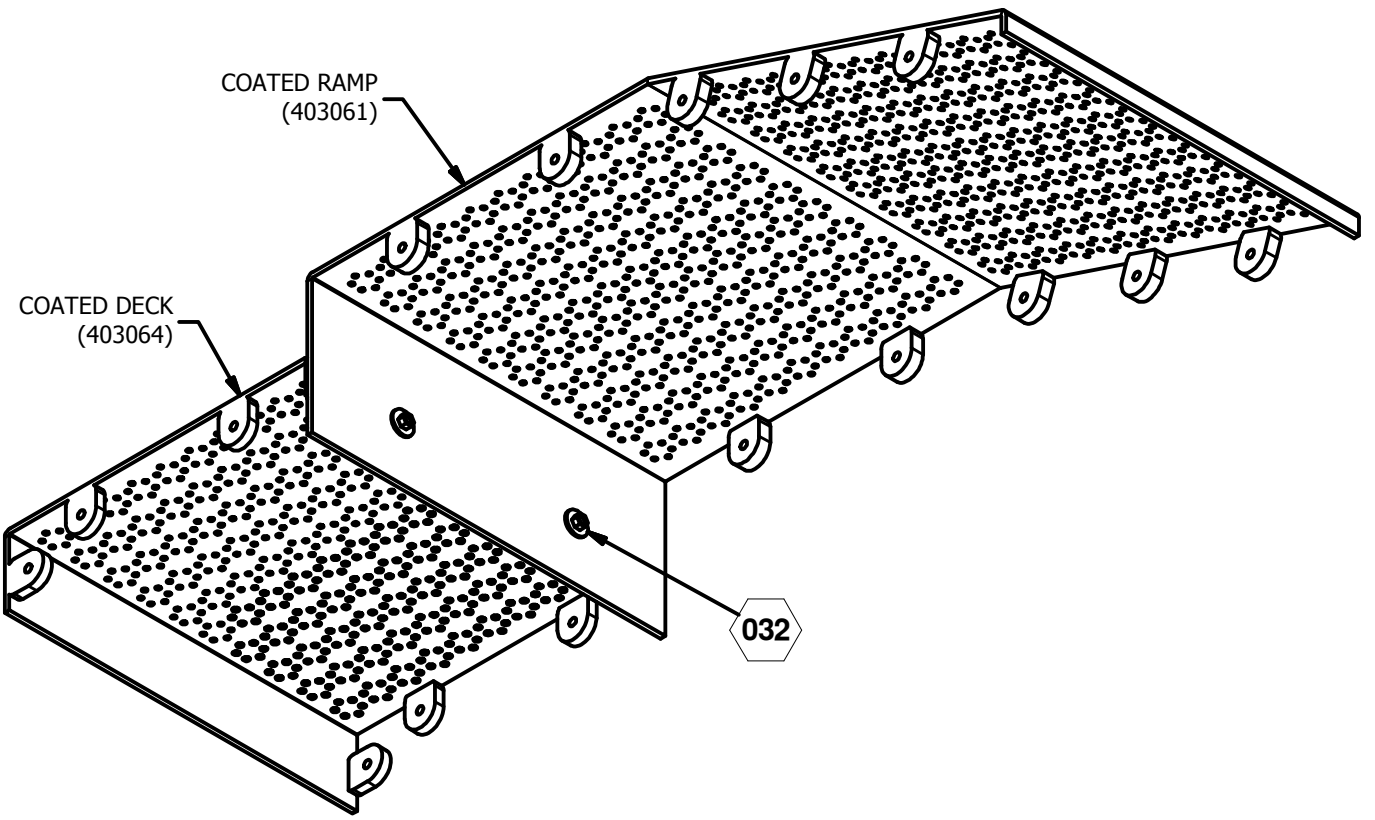
UP138 CRUISE-A-LONG (STANDARD) PLAYFUL
STEP 1

1. Make sure on Coated Deck and Coated Ramp that all holes are clear of plastisol coating.

2. Attach Deck to Ramp using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), and 3/8" Hex Nut. See Detail 032.



032



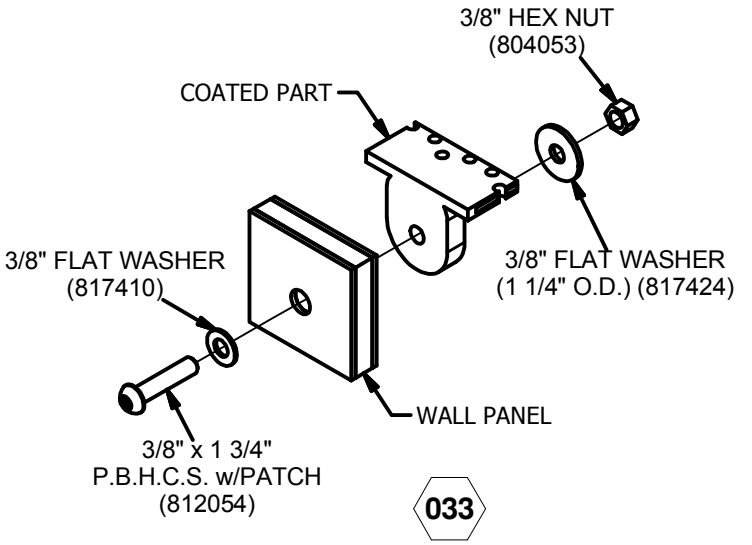
UNDERNEATH VIEW

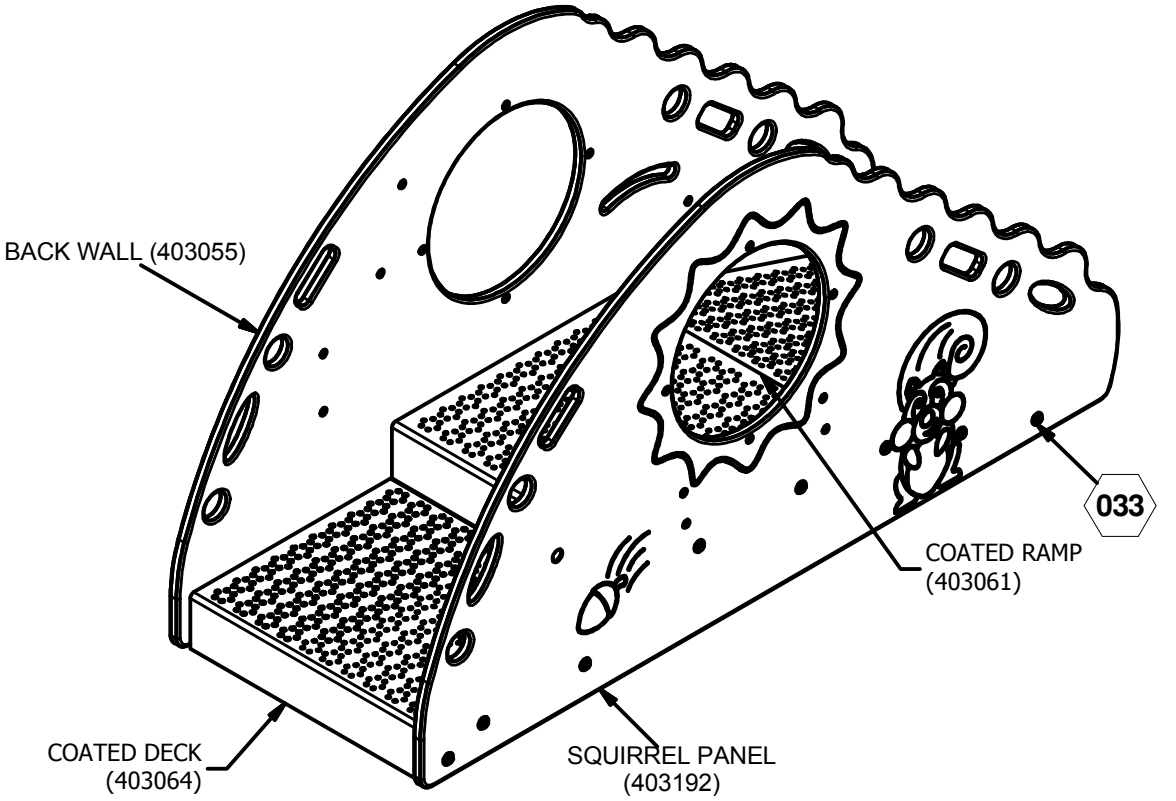
Issued/Revised: 5/9/2013

UP138 CURISE-A-LONG (STANDARD) PLAYFUL STEP 2

1. Attach assembled Deck and Ramp to Front Wall and Back Wall using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 3/8" Flat Washer (1 1/4" O.D.), and 3/8" Hex Nut. See Detail 033

NOTE: IF INSTALLING IN-GROUND OR SURFACE MOUNT PACKAGES REFER TO UP140 OR UP141 INSTALLATION SHEETS NOW.

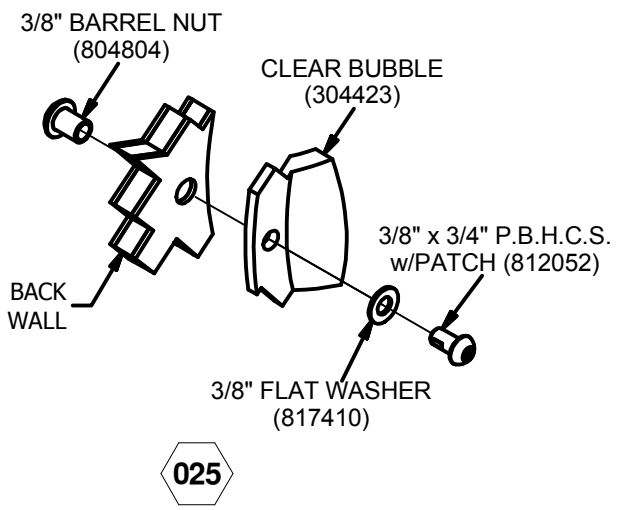




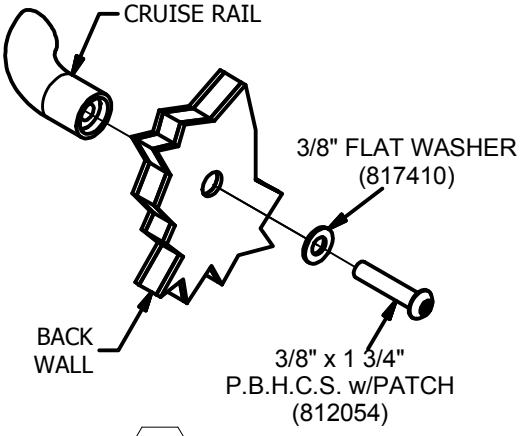
UP138 CRUISE-A-LONG (STANDARD) PLAYFUL
STEP 3

1. Attach Clear Bubble to Back Wall using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8” Barrel Nut. See Detail 025.

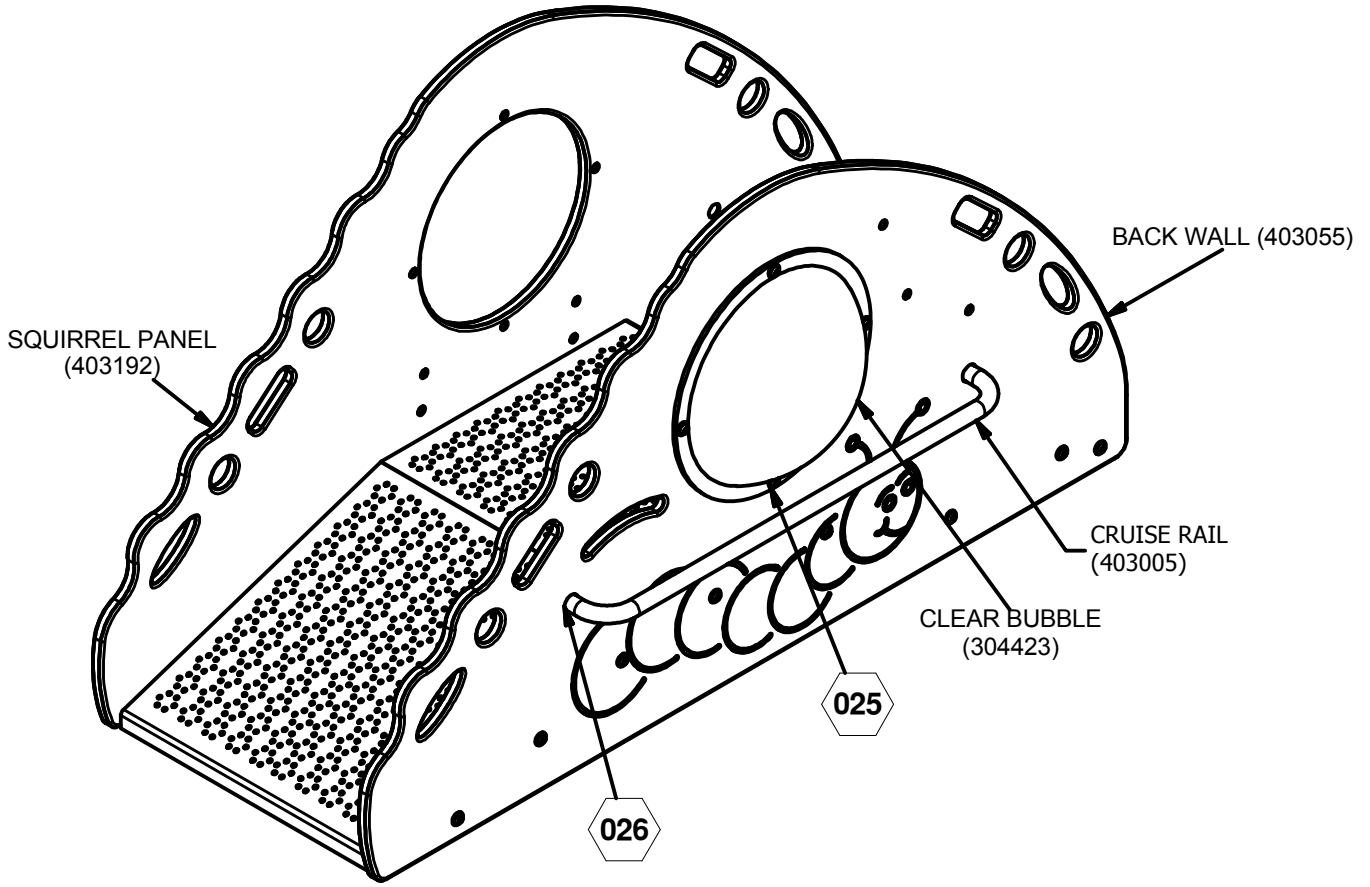
2. Attach Cruise Rail to Back Wall using 3/8" x 1 3/4" P.B.H.C.S. w/Patch and 3/8" Flat Washer. See Detail 026.



025



026

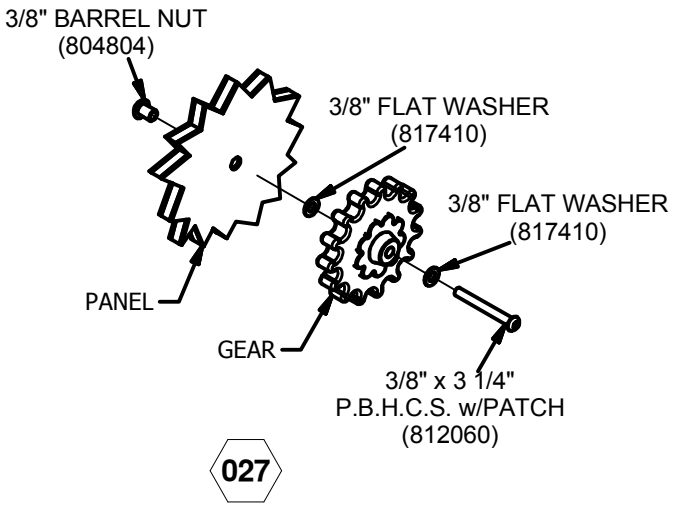


Issued/Revised: 5/9/2013

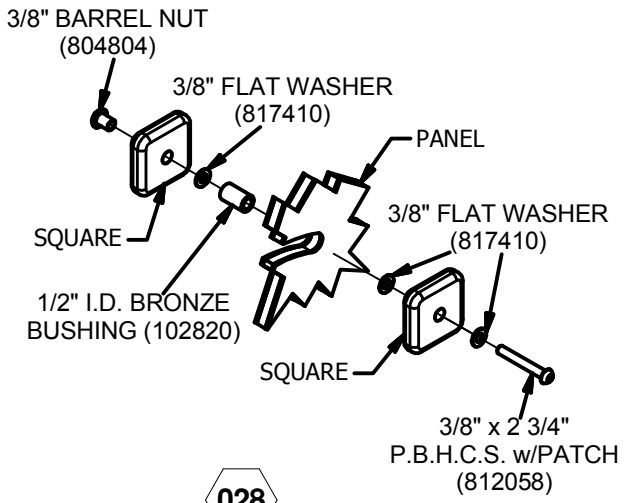
UP138 CRUISE-A-LONG (STANDARD) PLAYFUL
STEP 4

1. Attach Small and Large Gears to Back Wall using 3/8" x 3 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8” Barrel Nut. See Detail 027.

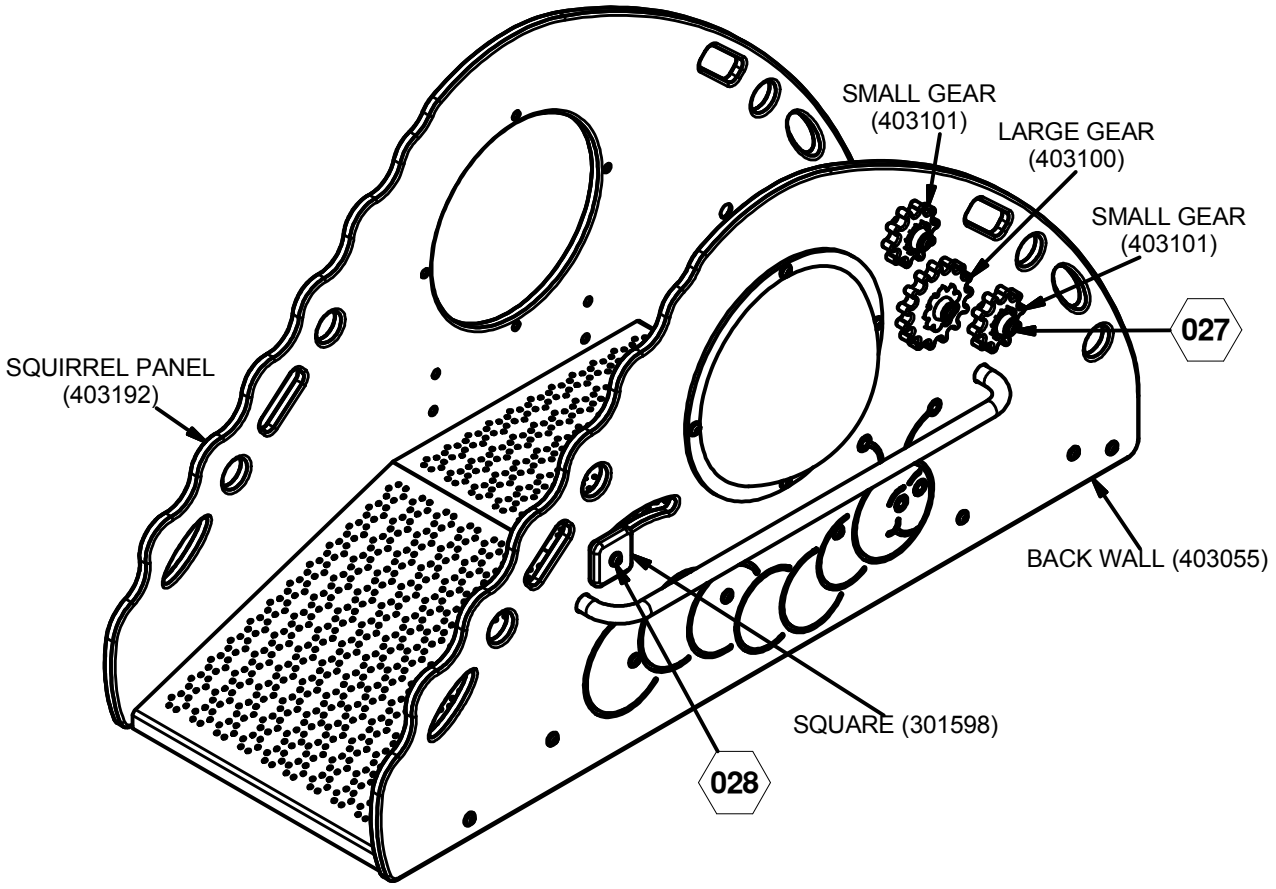
2. Attach Square to Back Wall using 3/8" x 2 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 1/2" I.D. Bronze Bushing, and 3/8” Barrel Nut. See Detail 028.



027



028

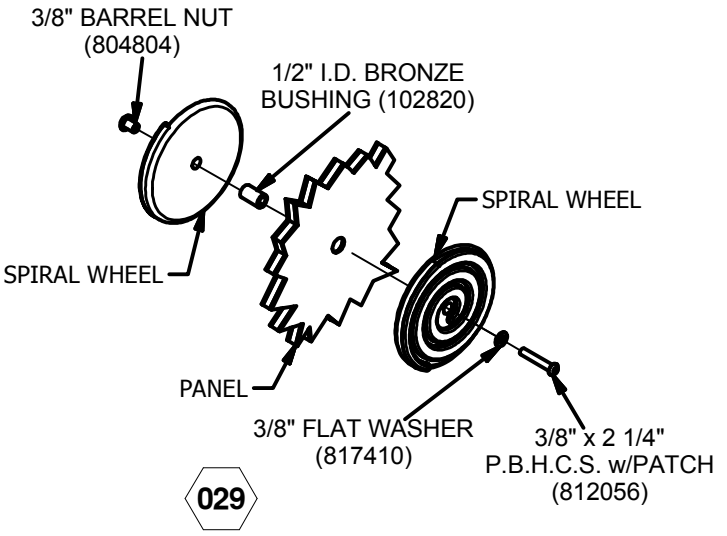


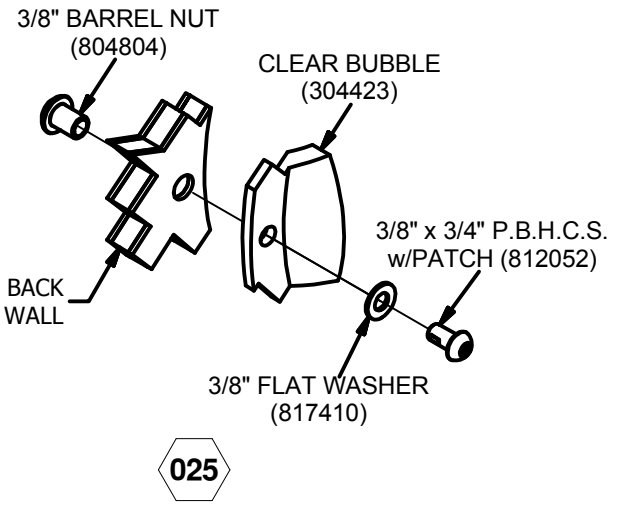
Issued/Revised: 5/9/2013

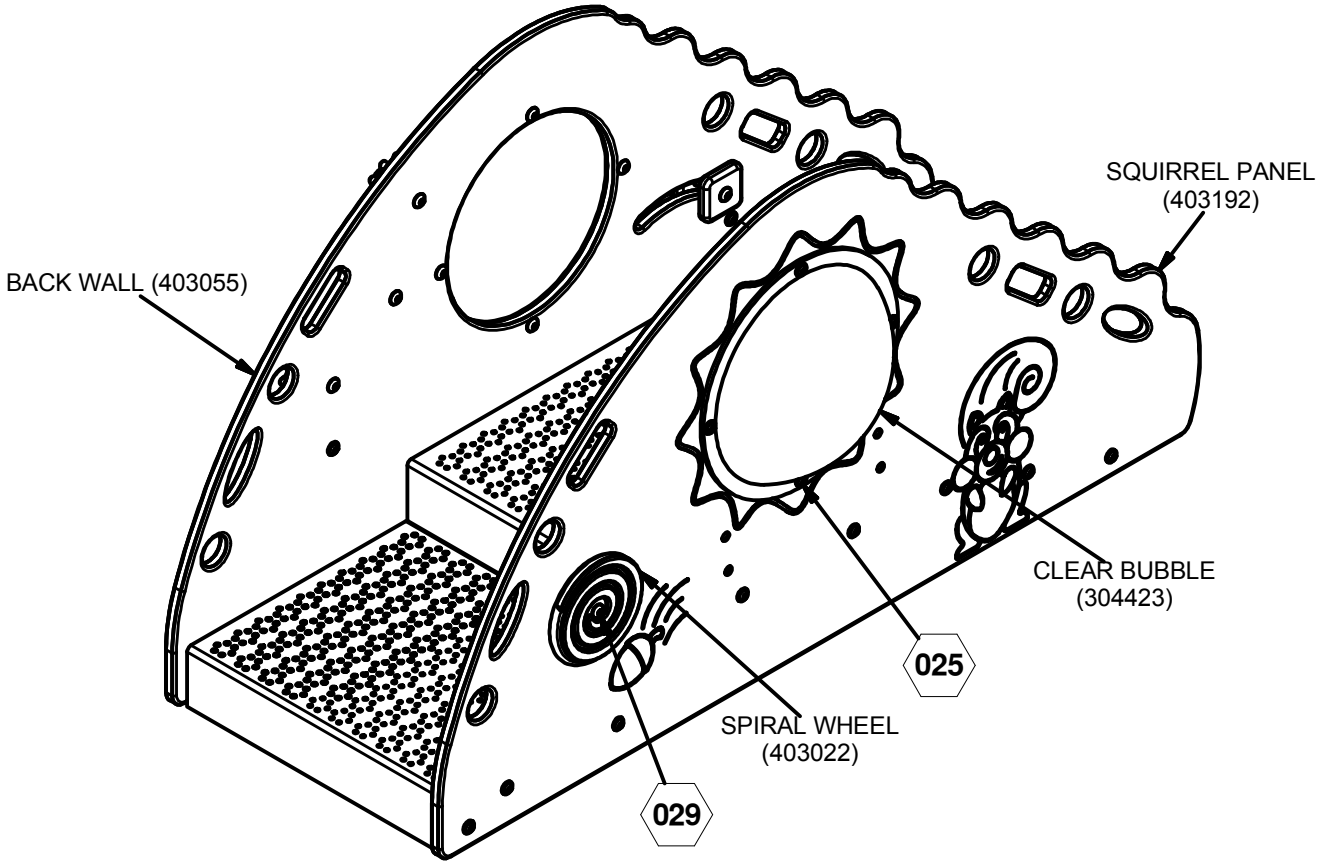
UP138 CRUISE-A-LONG (STANDARD) PLAYFUL
STEP 5

1. Attach Spiral Wheel to Front Wall using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 1/2" I.D. Bronze Bushing, and 3/8" Barrel Nut. See Detail 029.

2. Attach Clear Bubble to Back Wall using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 025.







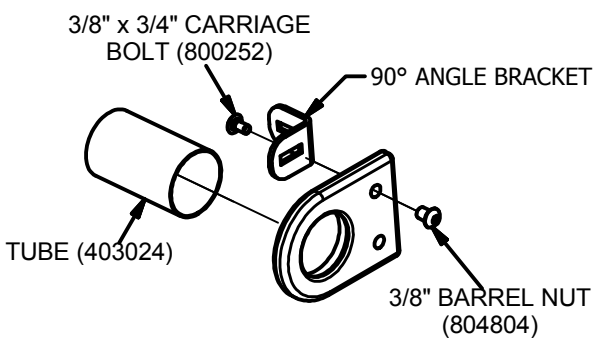
UP138 CRUISE-A-LONG (STANDARD) PLAYFUL
STEP 6

1. Place Tube Brackets over ends of Tube. See Detail 035.

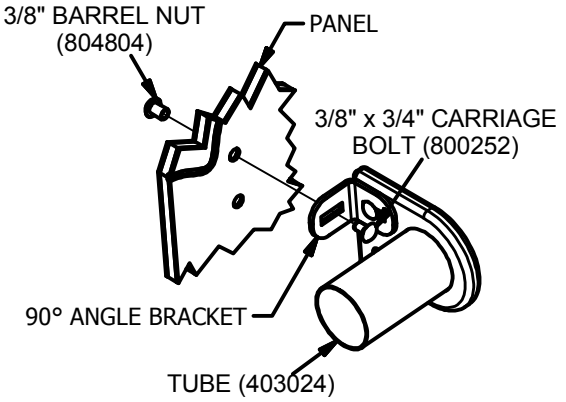
2 Attach Tube Brackets to 90 Angle Bracket using 3/8" x 3/4" Carriage Bolt and 3/8” Barrel Nut. See Detail 035.

3. Attach 90 Angle Brackets to Squirrel Panel using 3/8” x 3/4“ Carriage Bolt and 3/8” Barrel Nut. See Detail 036.

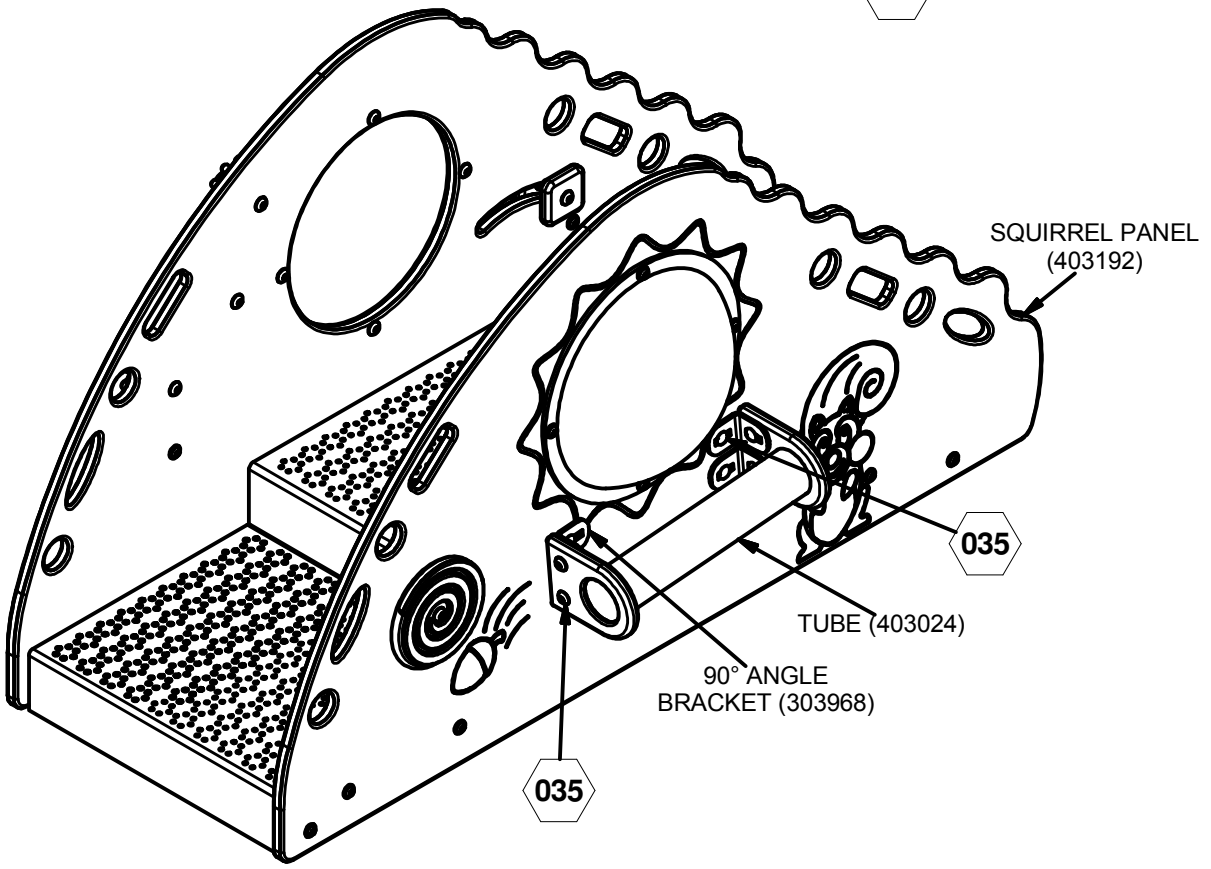
4. Plumb and level the entire assembly and tighten all fasteners.



035



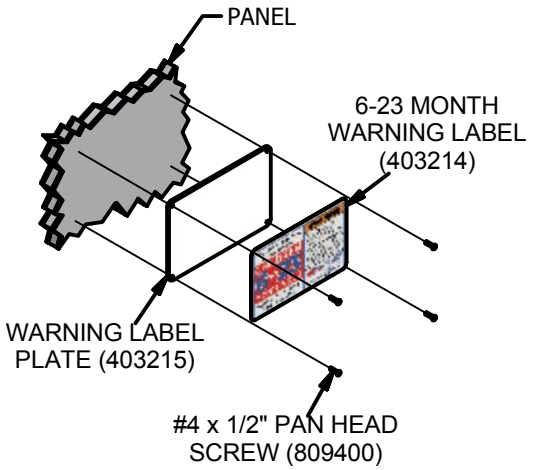
036

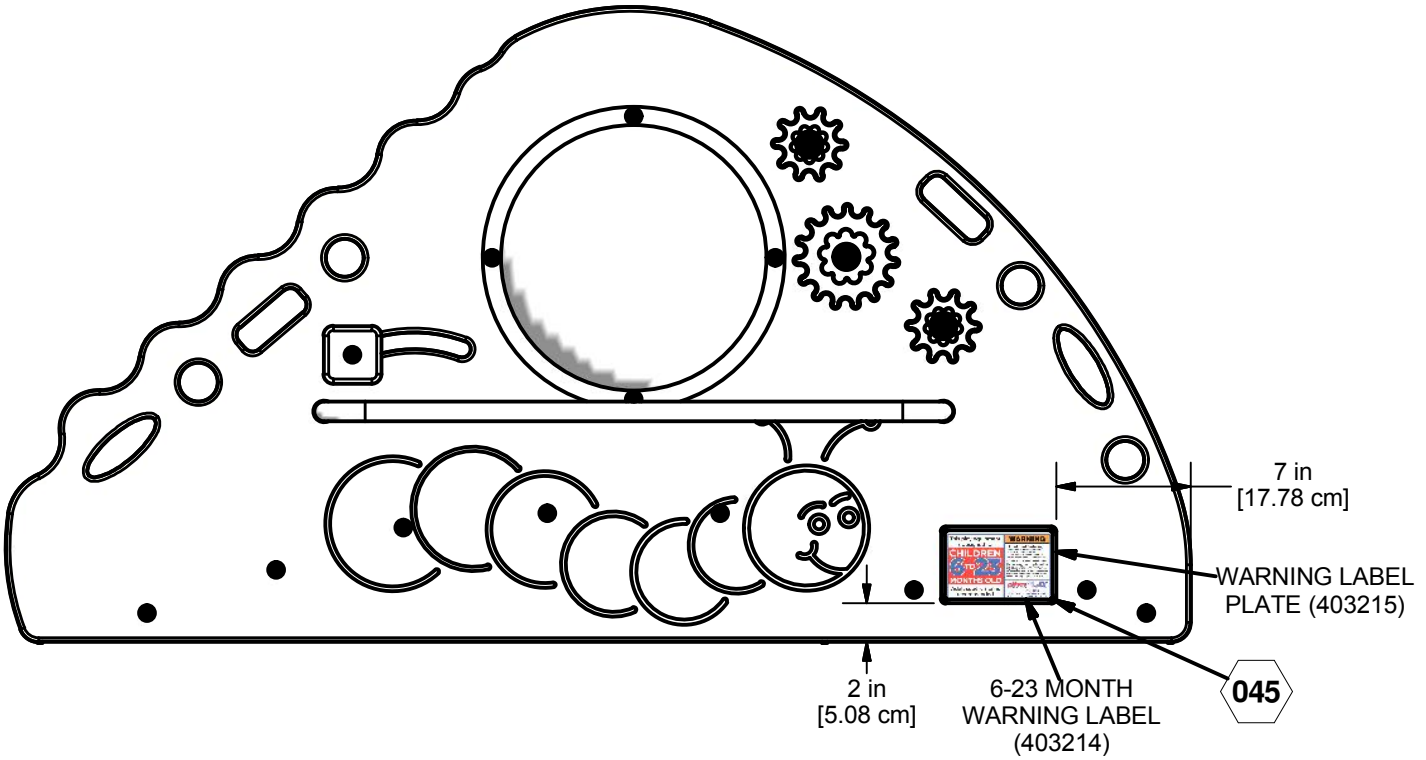


UP138 CRUISE-A-LONG (STANDARD) PLAYFUL
STEP 7

1. Attach 6-23 Month Warning Label to Warning Label Plate. See Detail 045.

2. Attach Warning Label Plate to Back Wall using #4 x 1/2“ Pan Head Screw. See Detail 045. Refer to view for location.





Atlas Early Intervention Center School
10731 Darling Road
Ventura, CA 93004

Play & Park Structures

This play equipment is recommended for children ages:
2-5

Minimum Area Required:
Per Drawing

Scale: 1/8" = 1'-0"
This drawing can be scaled only when in an 11" x 17" format

Drawn By:
Cassie Pruitt
Date:
10/1/24
Quote Number:
821-144544C

play&park structures
A PLAYCORE Company
544 Chestnut Street
Chattanooga, TN 37402
800-727-1907 / www.playandpark.com

Total Play Components	27			
Elevated Play Components	7			
Elevated Play Components Accessible by Ramp	3	Req.	0	
Elevated Components Accessible by Transfer	6	Req.	4	
Accessible Ground Level Components Shown	20	Req.	2	
Different Types of Ground Level Components	5	Req.	2	

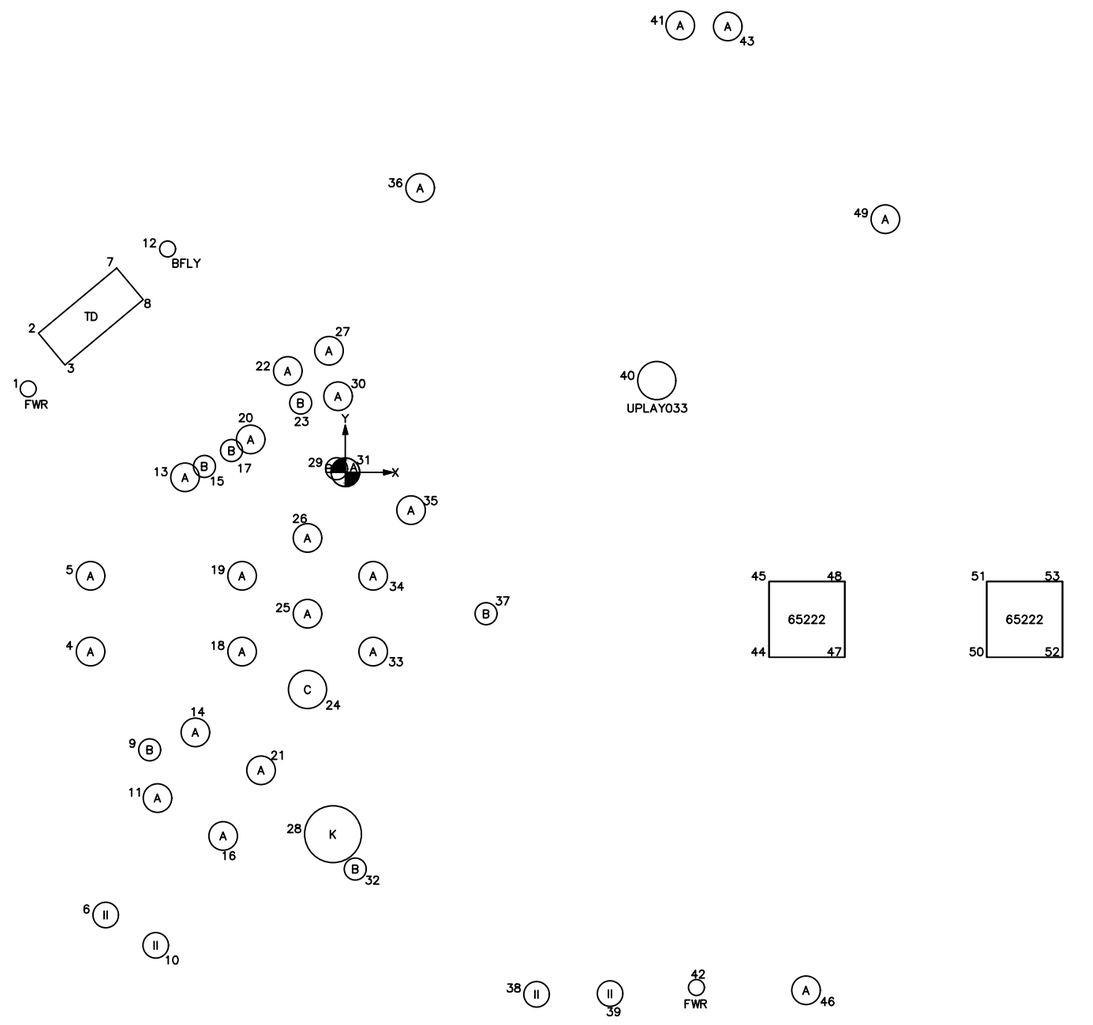
User Capacity
60-65
Critical Fall Height
8'-0"

SUPERmax PLAY SYSTEMS

ultraPLAY A PLAYCORE Company

Order 5428626

ISO 9001 CERTIFIED



FOOTINGS ORDINATE TABLE			
HOLE	X	Y	DIAG
1	-16'-9"	4'-4 1/2"	17'-3 1/2"
2	-16'-2 1/2"	7'-3 1/2"	17'-9"
3	-14'-9 1/2"	5'-7 1/2"	15'-10"
4	-13'-5 1/2"	-9'-5 1/2"	16'-5 1/2"
5	-13'-5 1/2"	-5'-5 1/2"	14'-6 1/2"
6	-12'-8"	-23'-4 1/2"	26'-7"
7	-12'-1"	10'-9 1/2"	16'-2"
8	-10'-8"	9'-1 1/2"	14'-0 1/2"
9	-10'-4"	-14'-7 1/2"	17'-11"
10	-10'	-24'-11 1/2"	26'-11"
11	-9'-11"	-17'-2 1/2"	19'-10 1/2"
12	-9'-4 1/2"	11'-9 1/2"	15'-0 1/2"
13	-8'-5 1/2"	-3 1/2"	8'-5 1/2"
14	-7'-11"	-13'-8 1/2"	15'-10"
15	-7'-5 1/2"	3 1/2"	7'-5 1/2"
16	-6'-5 1/2"	-19'-2 1/2"	20'-3 1/2"
17	-6'	1'-1 1/2"	6'-1 1/2"
18	-5'-5 1/2"	-9'-5 1/2"	10'-11 1/2"
19	-5'-5 1/2"	-5'-5 1/2"	7'-9"
20	-5'	1'-8 1/2"	5'-3 1/2"
21	-4'-5 1/2"	-15'-8 1/2"	16'-4"
22	-3'-0 1/2"	5'-3 1/2"	6'-1"
23	-2'-4 1/2"	3'-7 1/2"	4'-4"
24	-2'	-11'-5 1/2"	11'-8"
25	-2'	-7'-5 1/2"	7'-9"
26	-2'	-3'-5 1/2"	4'
27	-10 1/2"	6'-4 1/2"	6'-5"
28	-8"	-19'-1 1/2"	19'-2"
29	-5 1/2"	2 1/2"	6"
30	-4 1/2"	3'-11 1/2"	3'-11 1/2"
31	0"	-1/2"	1/2"
32	6 1/2"	-20'-11 1/2"	21'
33	1'-5 1/2"	-9'-5 1/2"	9'-7"
34	1'-5 1/2"	-5'-5 1/2"	5'-8"
35	3'-5 1/2"	-2'-0 1/2"	4'-0 1/2"
36	3'-11 1/2"	14'-11 1/2"	15'-5 1/2"
37	7'-5"	-7'-5 1/2"	10'-6 1/2"
38	10'-1"	-27'-6 1/2"	29'-4"
39	13'-11 1/2"	-27'-6 1/2"	30'-11"
40	16'-5"	4'-9 1/2"	17'-1 1/2"
41	17'-8"	23'-6 1/2"	29'-5"
42	18'-6 1/2"	-27'-2 1/2"	32'-11"
43	20'-2 1/2"	23'-6 1/2"	31'
44	22'-4 1/2"	-9'-9 1/2"	24'-5"
45	22'-4 1/2"	-5'-9 1/2"	23'-1 1/2"
46	24'-4"	-27'-4 1/2"	36'-7 1/2"
47	26'-4 1/2"	-9'-9 1/2"	28'-1 1/2"
48	26'-4 1/2"	-5'-9 1/2"	27'
49	28'-6"	13'-4 1/2"	31'-6"
50	33'-10 1/2"	-9'-9 1/2"	35'-3"
51	33'-10 1/2"	-5'-9 1/2"	34'-4 1/2"
52	37'-10 1/2"	-9'-9 1/2"	39'-1 1/2"
53	37'-10 1/2"	-5'-9 1/2"	38'-3 1/2"

IF FOOTING CONTAINS A COMPONENT NUMBER, REFERENCE THE INSTALLATION MANUAL FOR COMPONENT FOOTING SPECS.

FOOTINGS TABLE			
TYPE	DIAMETER/SIDE	DEPTH	QTY.
A	1'-6" [45.72cm]	2'-6" [76.20cm]	24
B	1'-2" [35.56cm]	2'-6" [76.20cm]	7
C	2'-0" [60.96cm]	4'-0" [121.92cm]	1
D	2'-0" [60.96cm]	2'-6" [76.20cm]	1
K	3'-0" [91.44cm]	2'-6" [76.20cm]	1
II	1'-4" [40.64cm]	2'-4" [71.12cm]	4

It is the manufacturer's opinion that the structure shown herein complies with current ada standards concerning accessibility if used with proper accessible surfacing and together with other necessary ground level play equipment.
IMPORTANT: Never install play equipment over hard, unresilient surfaces such as asphalt, concrete, or compacted earth. It is the owner's responsibility to ensure the "minimum area required" contains an appropriate amount of resilient material to cushion accidental falls.

Atlas Early Intervention Center School
10731 Darling Road
Ventura, CA 93004

Play & Park Structures

This play equipment is recommended for children ages:
2-5

Minimum Area Required:
Per Drawing

Scale: 1/8" = 1'-0"
This drawing can be scaled only when in an 11" x 17" format

Drawn By:
Cassie Pruitt
Date:
10/1/24
Quote Number:
821-144544C

play&park structures
A PLAYCORE Company
544 Chestnut Street
Chattanooga, TN 37402
800-727-1907 / www.playandpark.com

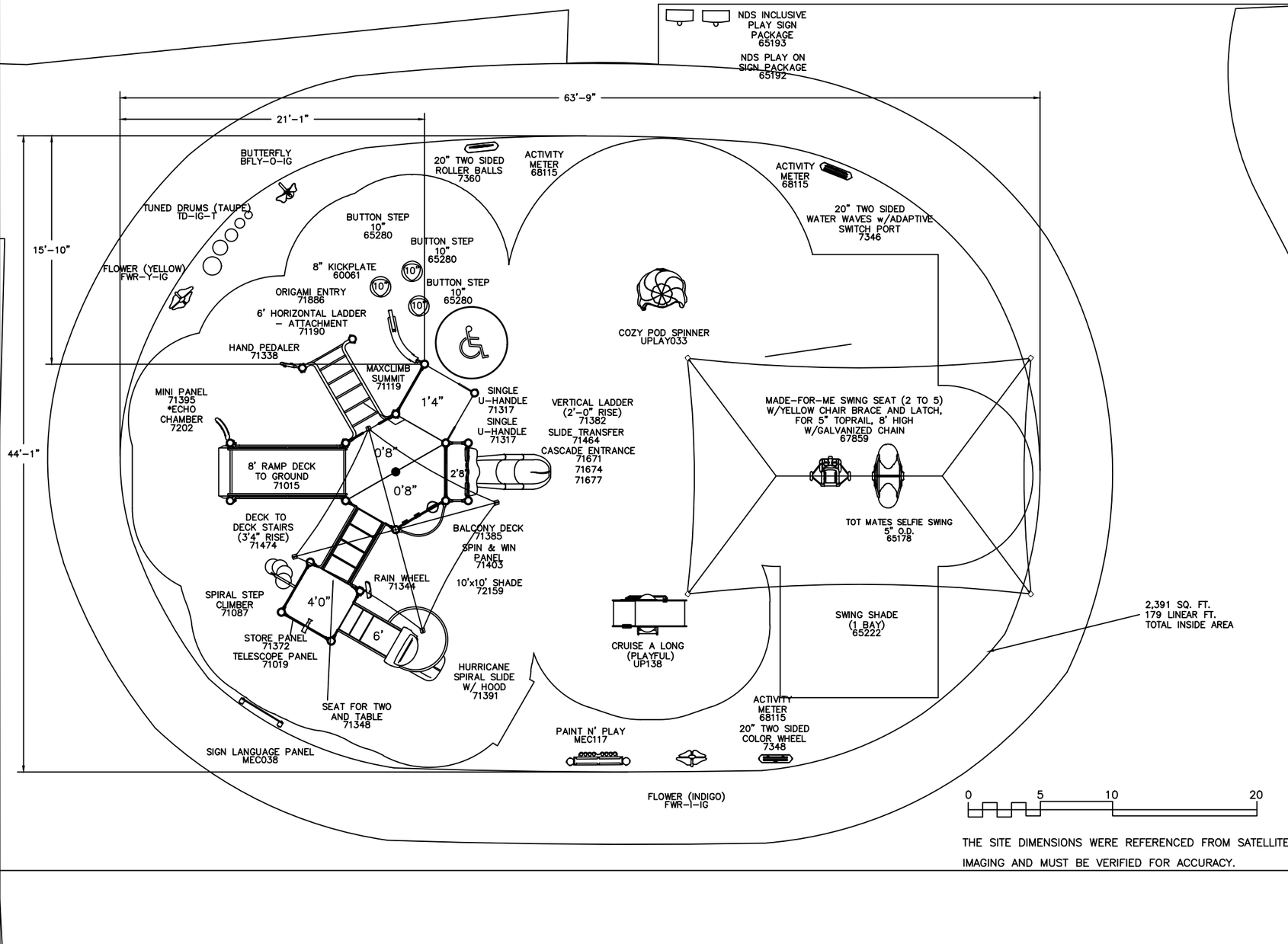
Total Play Components	27		
Elevated Play Components	7		
Elevated Play Components Accessible by Ramp	3	Req.	0
Elevated Components Accessible by Transfer	6	Req.	4
Accessible Ground Level Components Shown	20	Req.	2
Different Types of Ground Level Components	5	Req.	2

User Capacity
60-65
Critical Fall Height
8'-0"

SUPERmax PLAY SYSTEMS
Freenotes Harmony Park™ A PLAYCORE Company
ultraPLAY A PLAYCORE Company

Order 5428626 ISO 9001 CERTIFIED

This equipment is designed for children 2-5 or 5-12 years old



THE SITE DIMENSIONS WERE REFERENCED FROM SATELLITE IMAGING AND MUST BE VERIFIED FOR ACCURACY.

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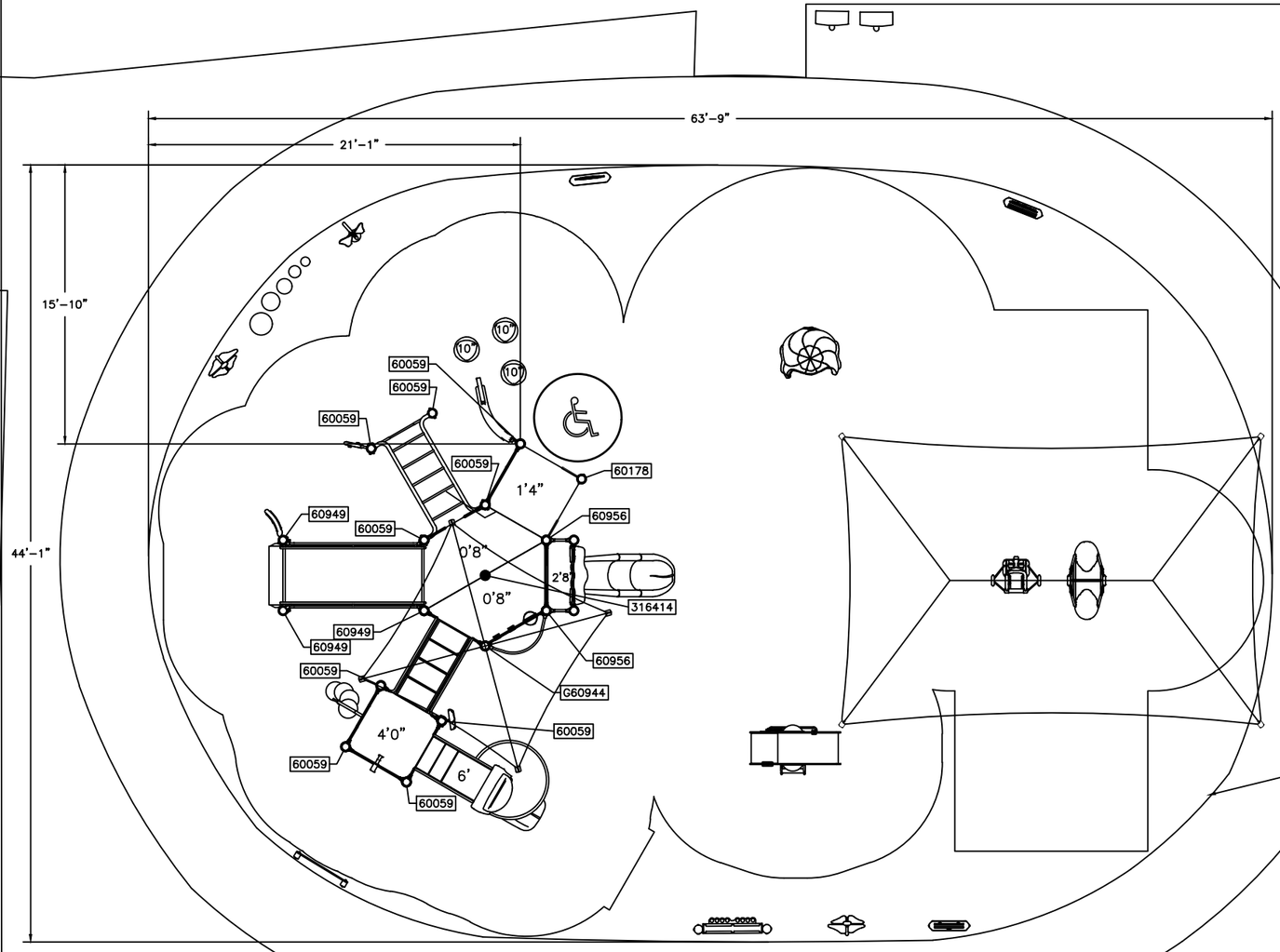
Total Play Components	27			User Capacity
Elevated Play Components	7			60-65
Elevated Play Components Accessible by Ramp	3	Req.	0	Critical Fall Height
Elevated Components Accessible by Transfer	6	Req.	4	8'-0"
Accessible Ground Level Components Shown	20	Req.	2	
Different Types of Ground Level Components	5	Req.	2	

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UPRIGHT INFORMATION

UPRIGHT	DESCRIPTION
316414	37.625" ALUM FLAT CAP UPRIGHT
60059	10' GENERIC UPRIGHT w/CAP
60102	6' GENERIC UPRIGHT w/CAP
60178	8' GENERIC UPRIGHT w/CAP
60949	7' GENERIC UPRIGHT w/CAP
60956	9' GENERIC UPRIGHT w/CAP
G60944	15' GENERIC UPRIGHT wo/CAP

2,391 SQ. FT.
179 LINEAR FT.
TOTAL INSIDE AREA

0 5 10 20

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