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 PPS-SO-6441621-4

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:

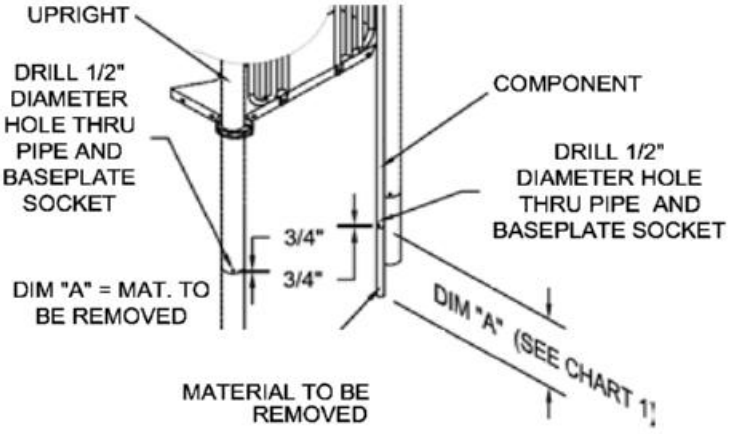
544 Chestnut Street, Chattanooga, TN 37402
TOLL Free: 800.727.1907 FAX: 423.425.3172
EMAIL: customerservice@playandpark.com
Visit our website: www.playandpark.com

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!

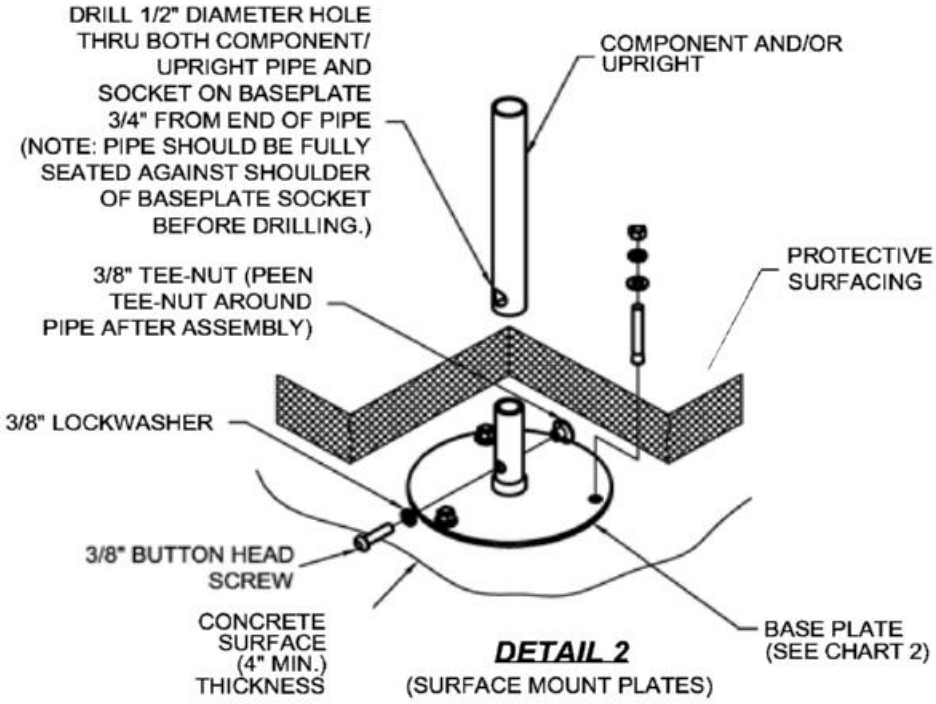
CHART 1

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)

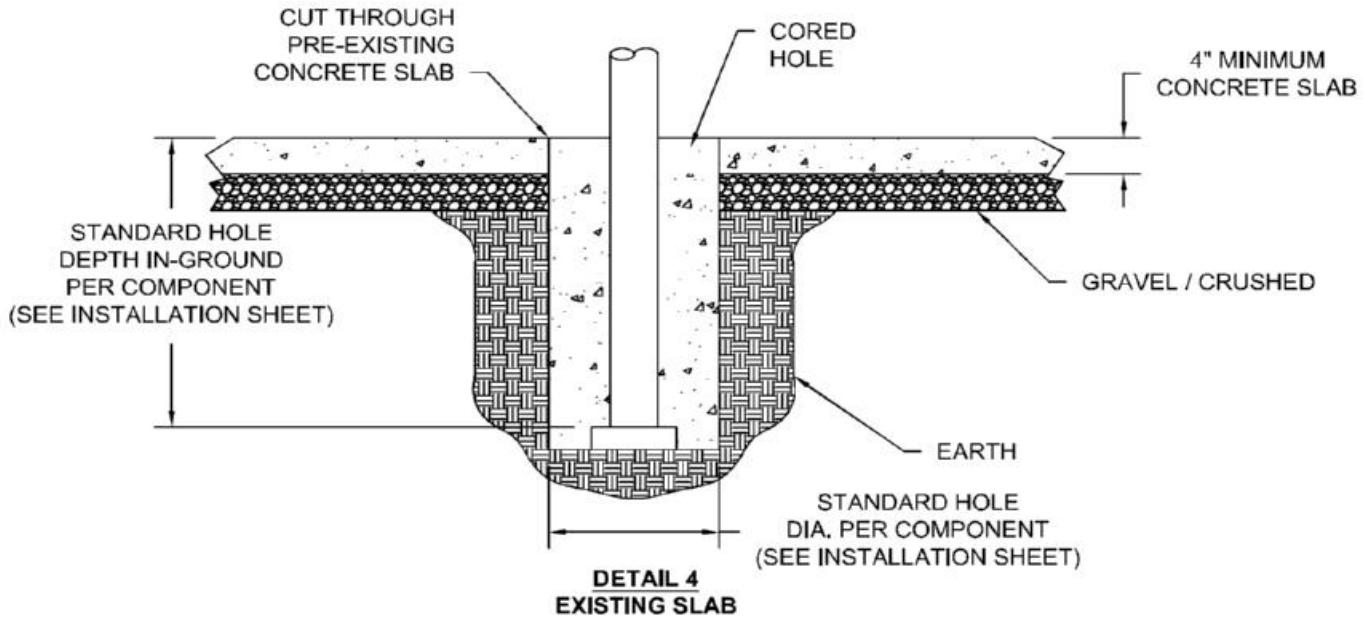


DETAIL 2

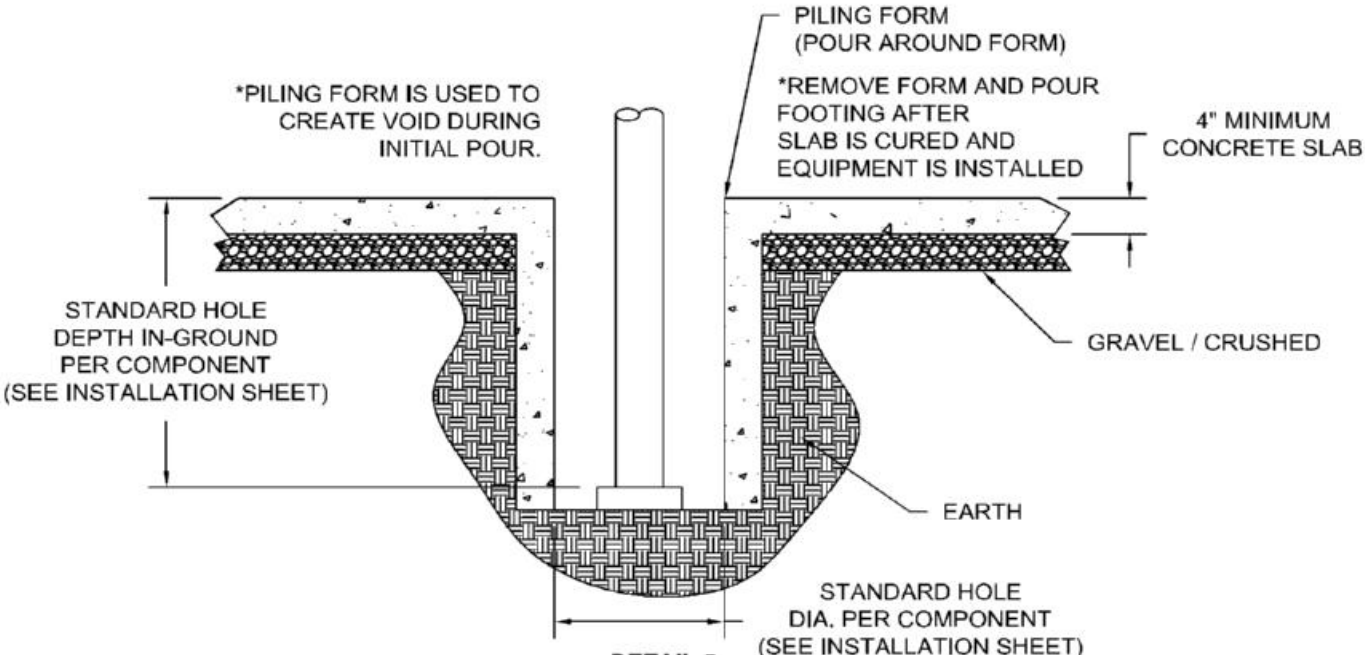
(SURFACE MOUNT PLATES)

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.

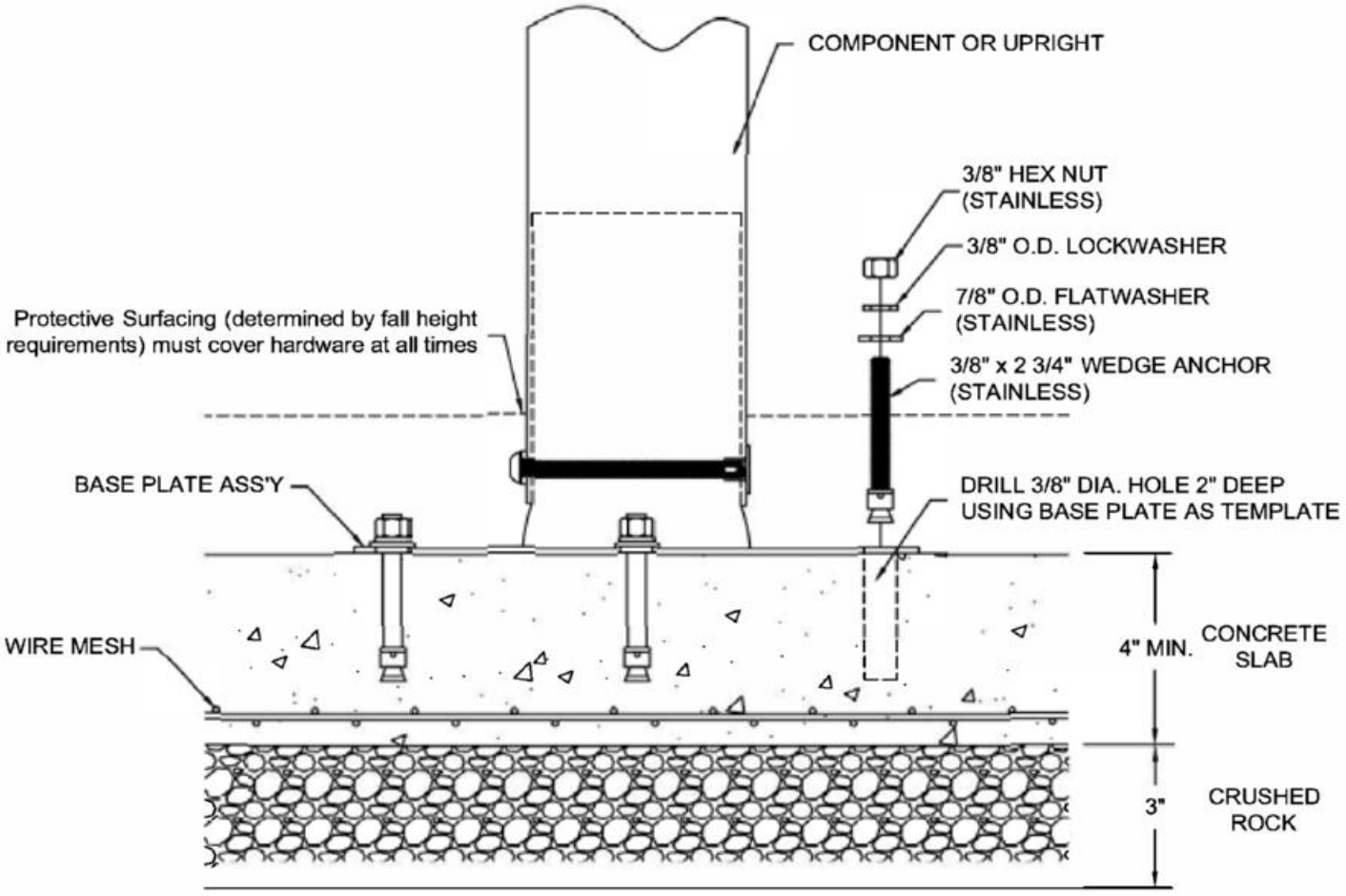
NOTE: If concrete slab is pre-existing and a cored hole is required it must be drilled through exisitng concrete to allow for concrete footing. Review your standard installation sheet for correct size and location of cored hole. See Detail 3.

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.

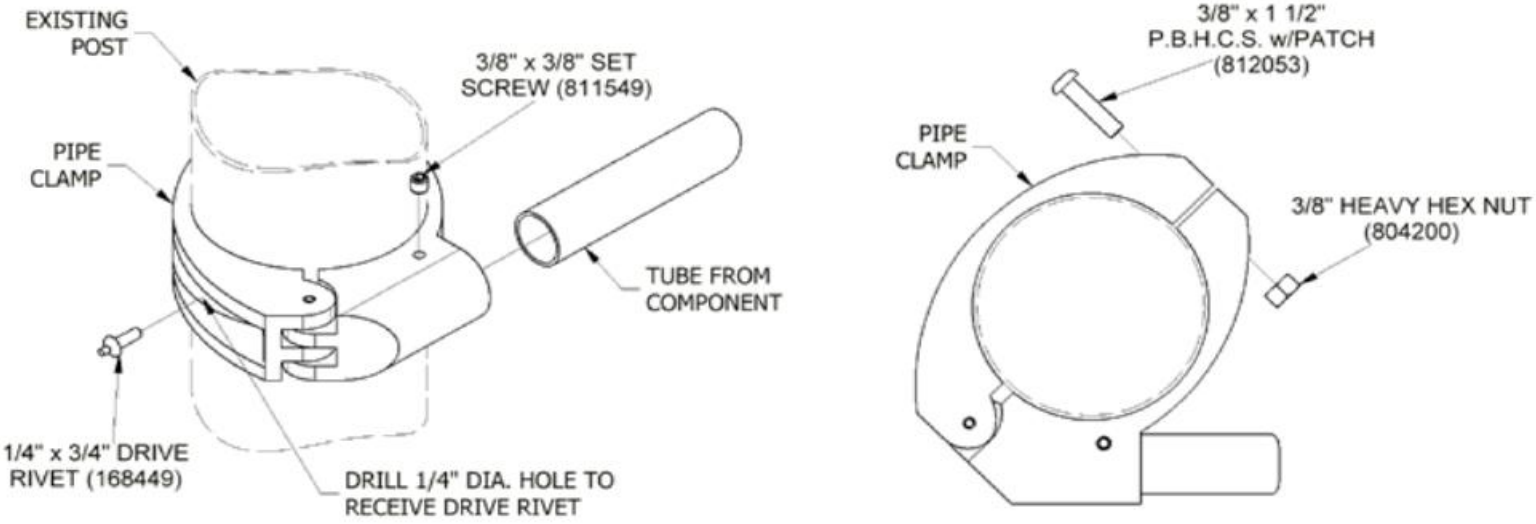
CONCRETE SPECIFICATIONS

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.



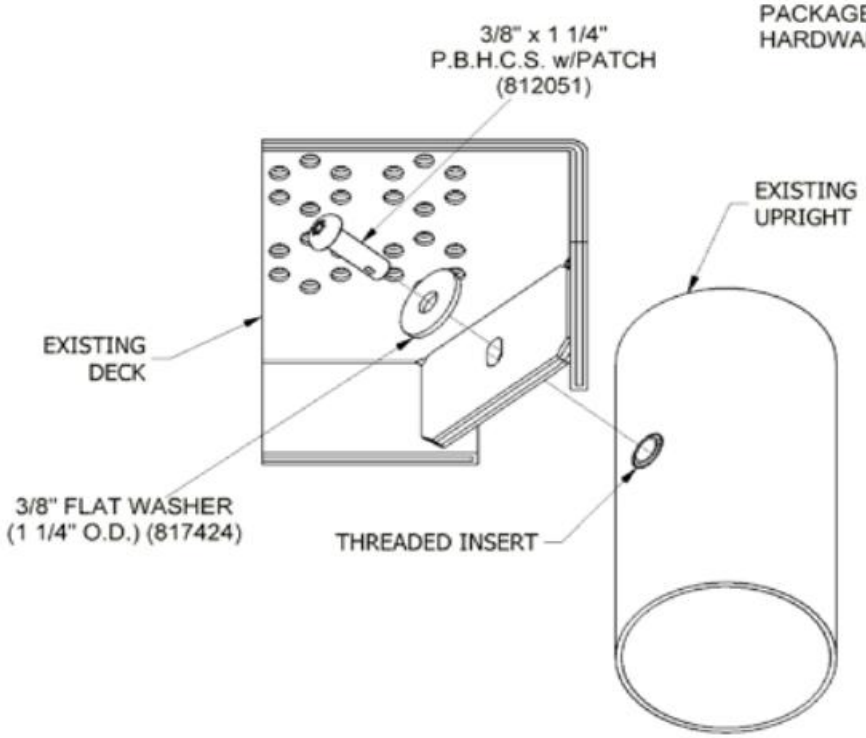
DETAIL 3
SIDE VIEW OF SURFACE MOUNT

Clamp Assembly Details



TYPICAL DURAMAX PIPE CLAMP ASSEMBLY

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

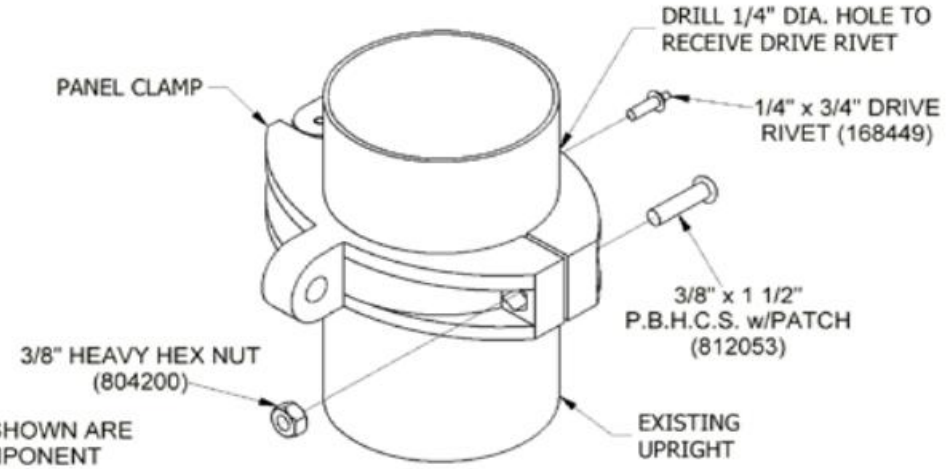


TYPICAL DURAMAX DECK CONNECTION

Issued/Revised: 4/4/2016

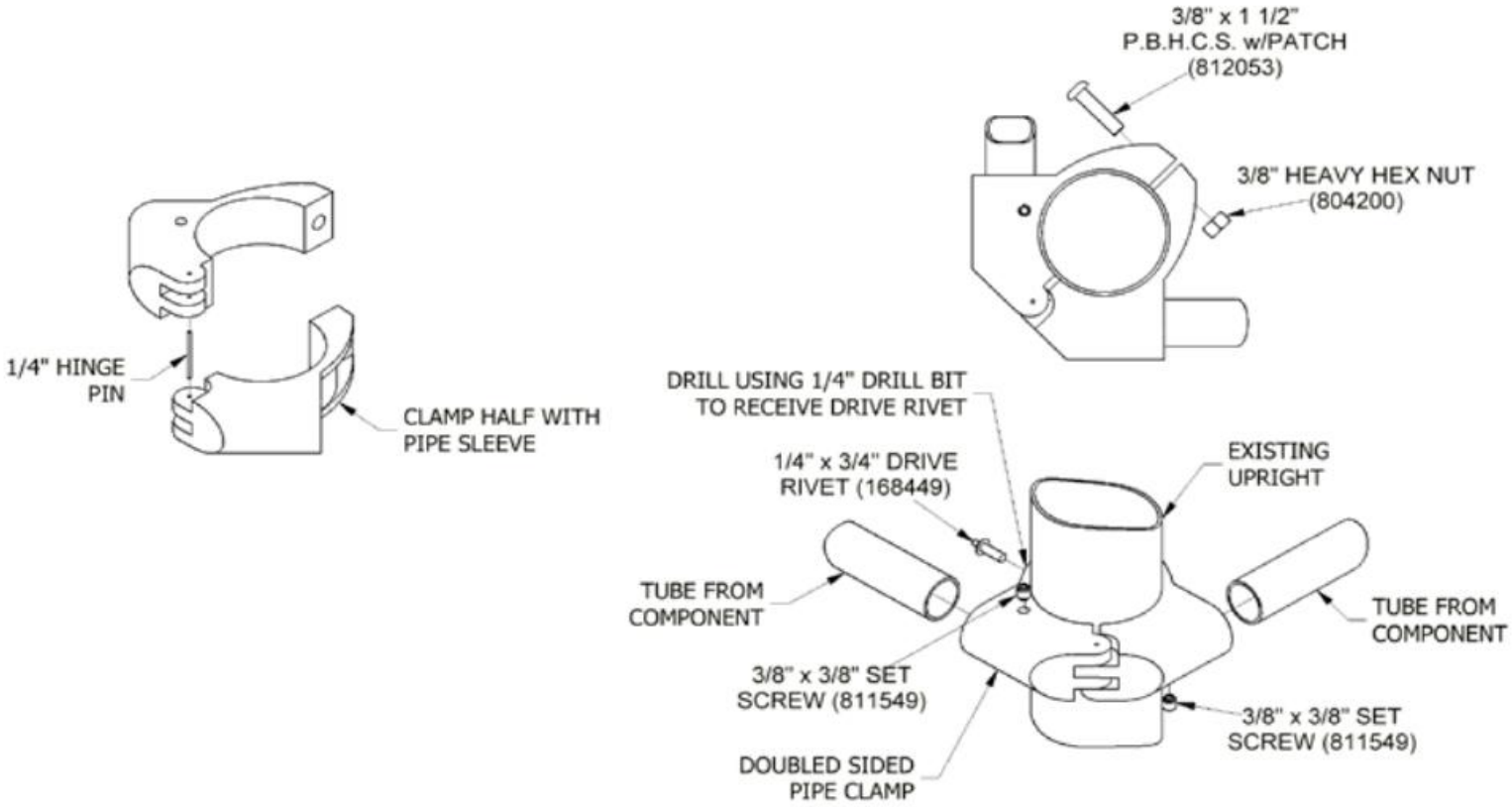
SHEET 1 OF 2

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.

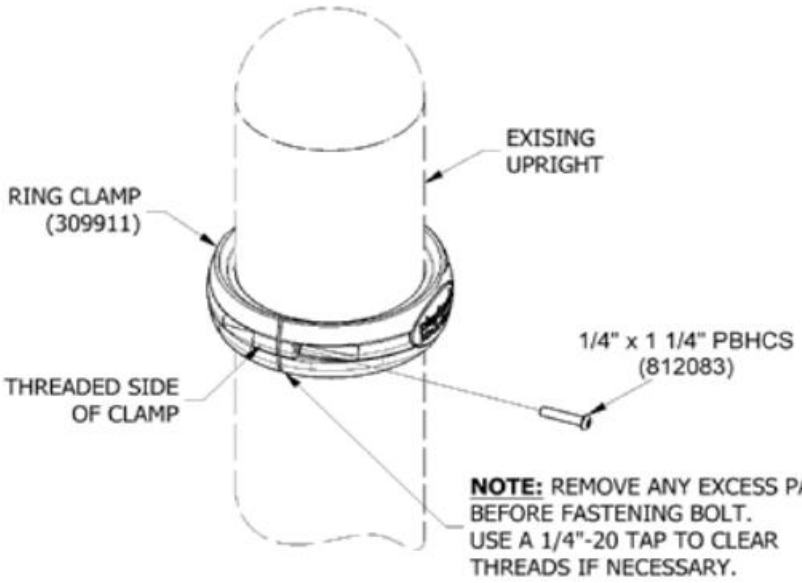
ASSEMBLY INSTRUCTIONS: Use two regular Pipe Clamps and remove hinge pins. Select clamps with pipe sleeves to create the Double Sided Pipe Clamp. Insert hinge pin back into clamps as shown above.

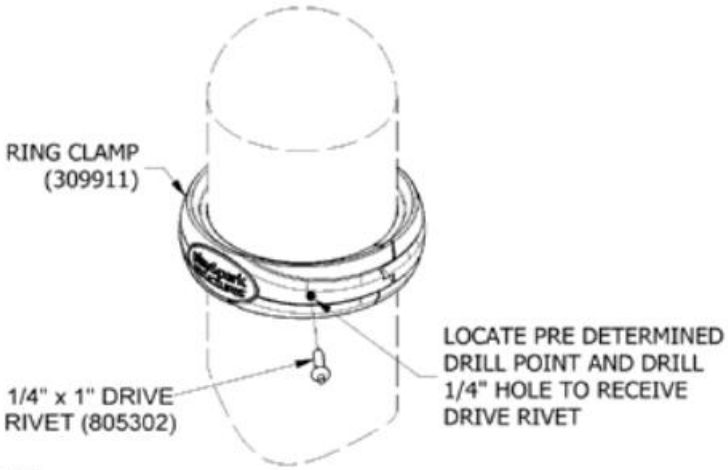
TYPICAL DURAMAX DOUBLE SIDED PIPE CLAMP ASSEMBLY

Issued/Revised: 4/4/2016

SHEET 2 OF 2

Clamp Assembly Details





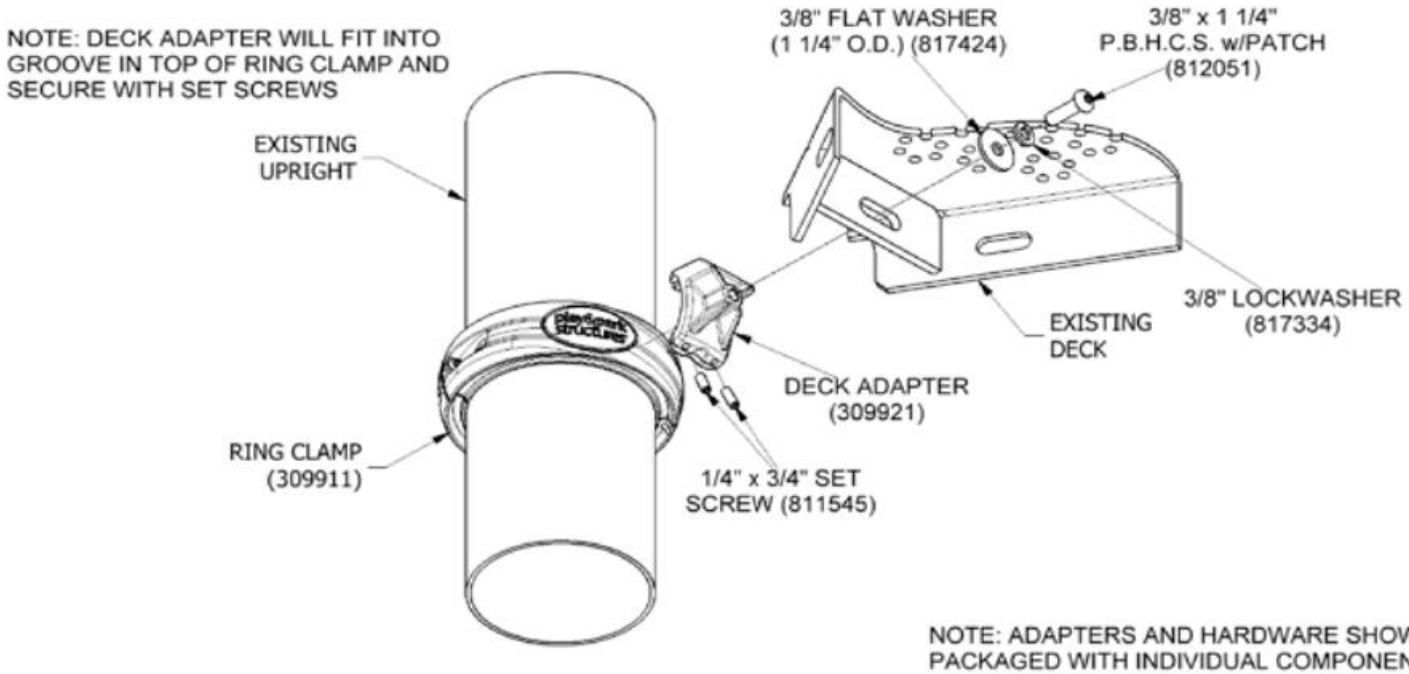
NOTE: THE USE OF LOCTITE IS IMPORTANT.

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



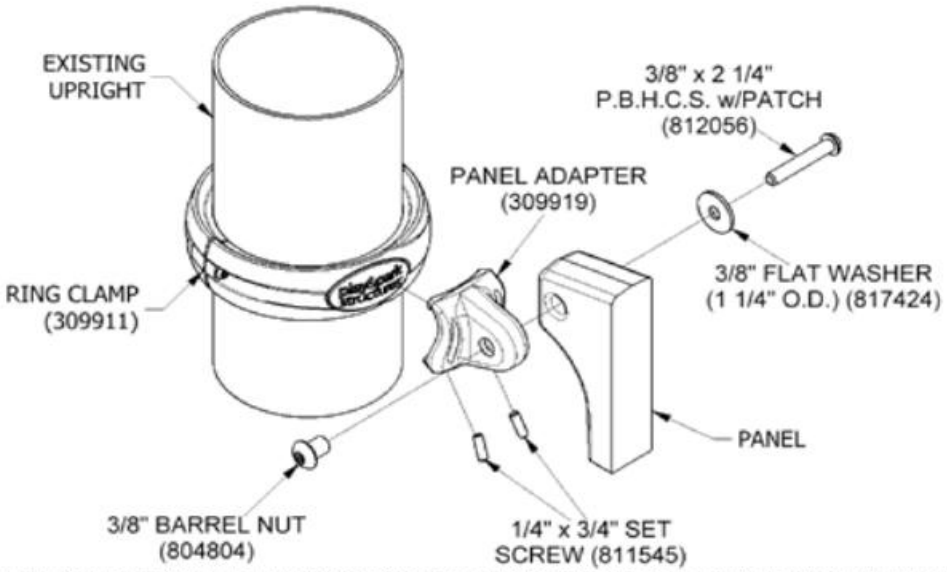
NOTE: ADAPTERS AND HARDWARE SHOWN ARE PACKAGED WITH INDIVIDUAL COMPONENT HARDWARE COMPLETE PACKAGES

Issued/Revised: 4/11/2016

TYPICAL SUPERMAX DECK CONNECTION

SHEET 1 OF 2

Clamp Assembly Details

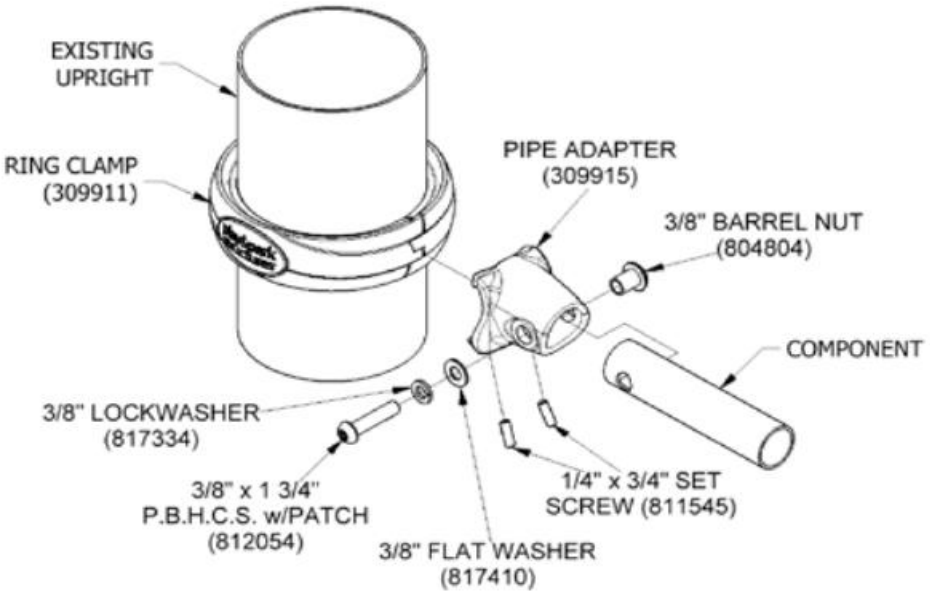


NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

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

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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:

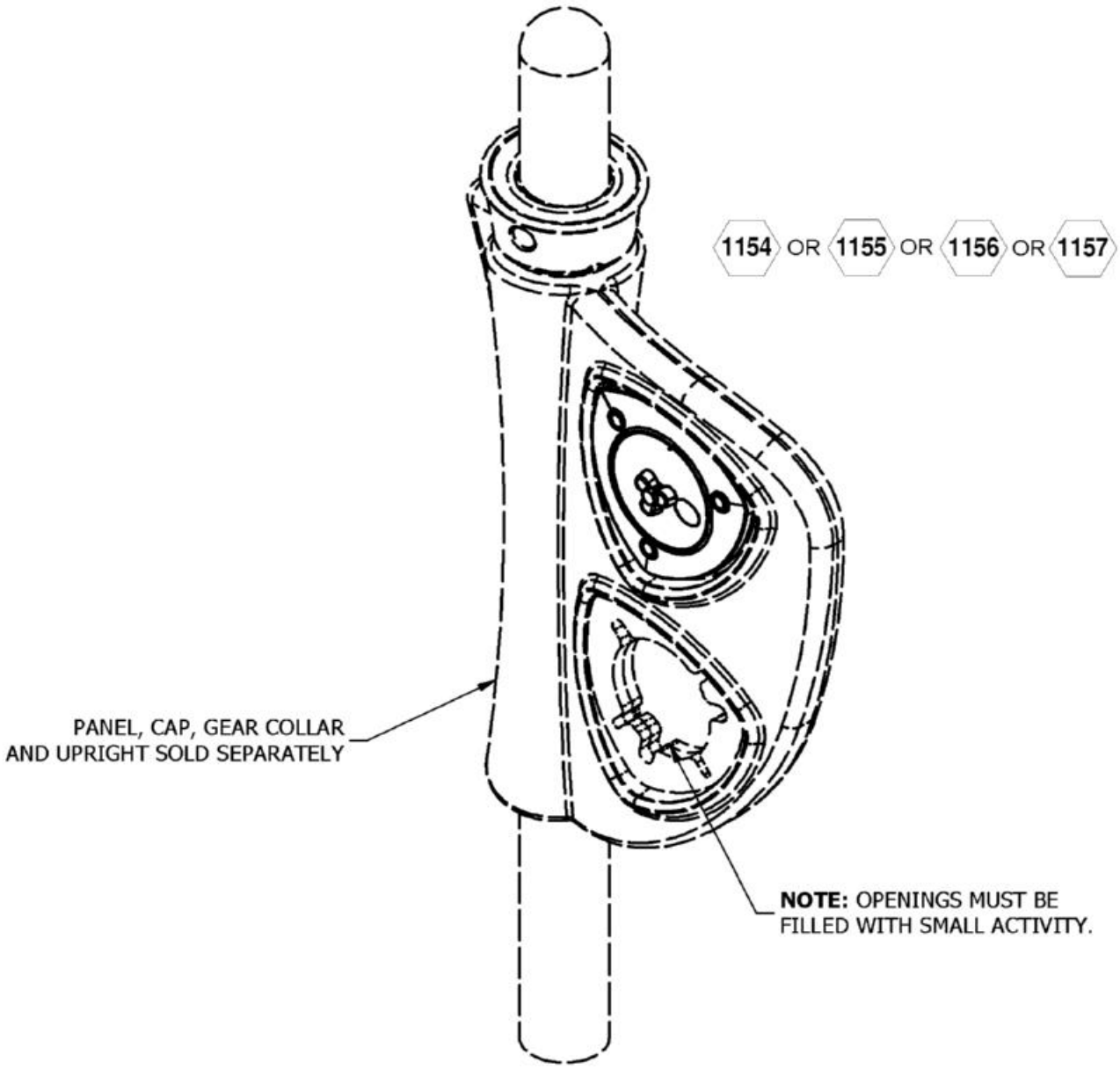
IMPORTANT- ALL OPENINGS MUST BE FILLED WITH A SMALL ACTIVITY.

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

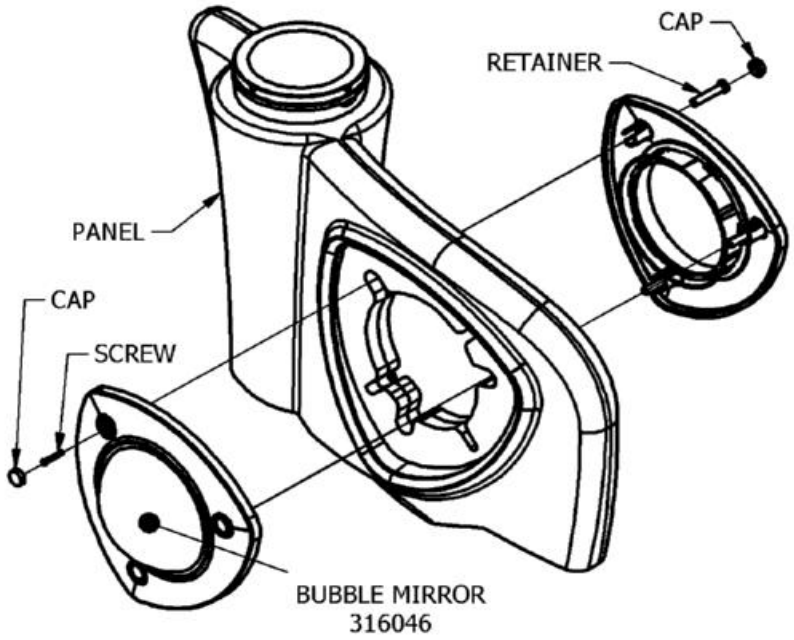


FINISHED ASSEMBLY
7200 VERSION SHOWN

⬡ = INSTALLATION DETAIL

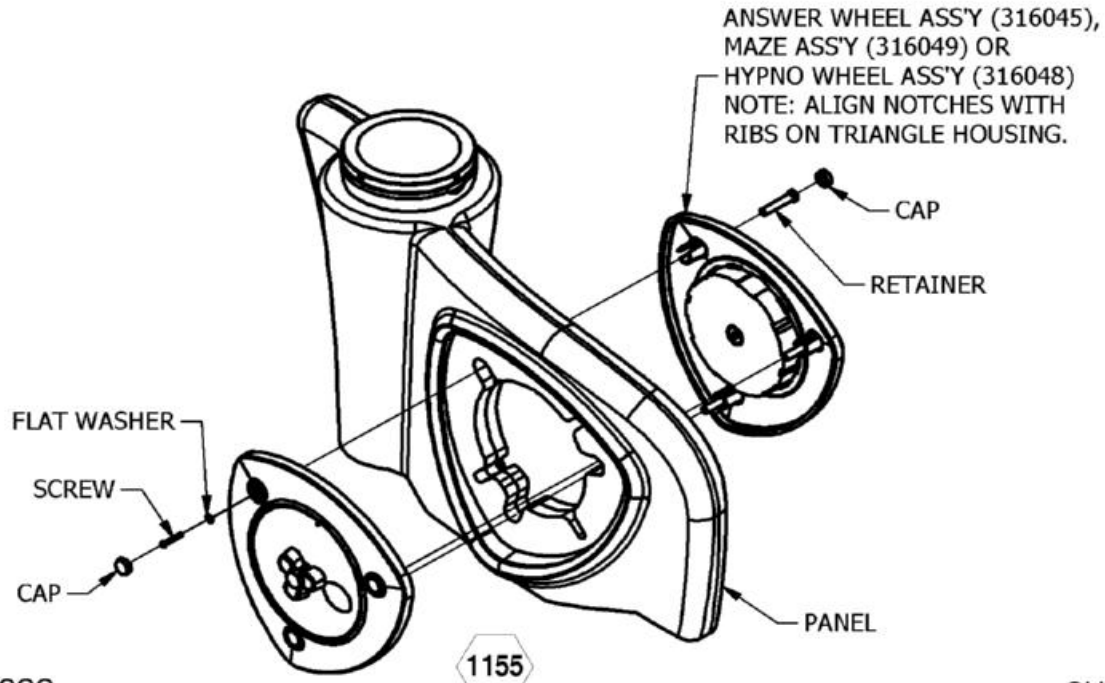
Issued/Revised: 6/21/2022

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



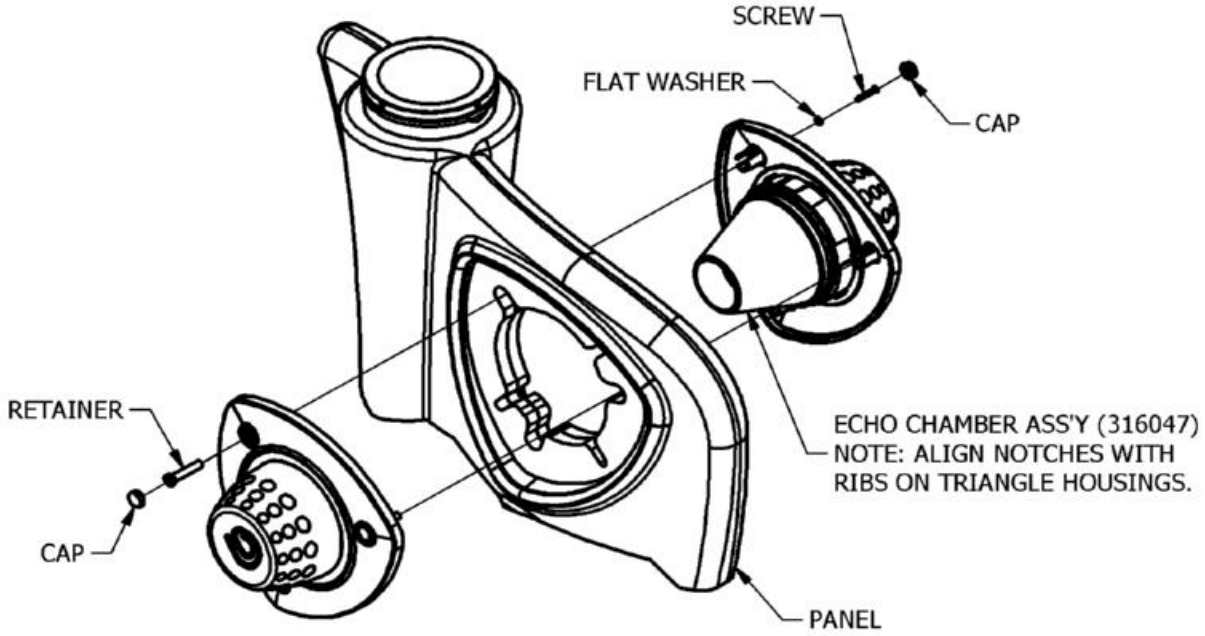
1154

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



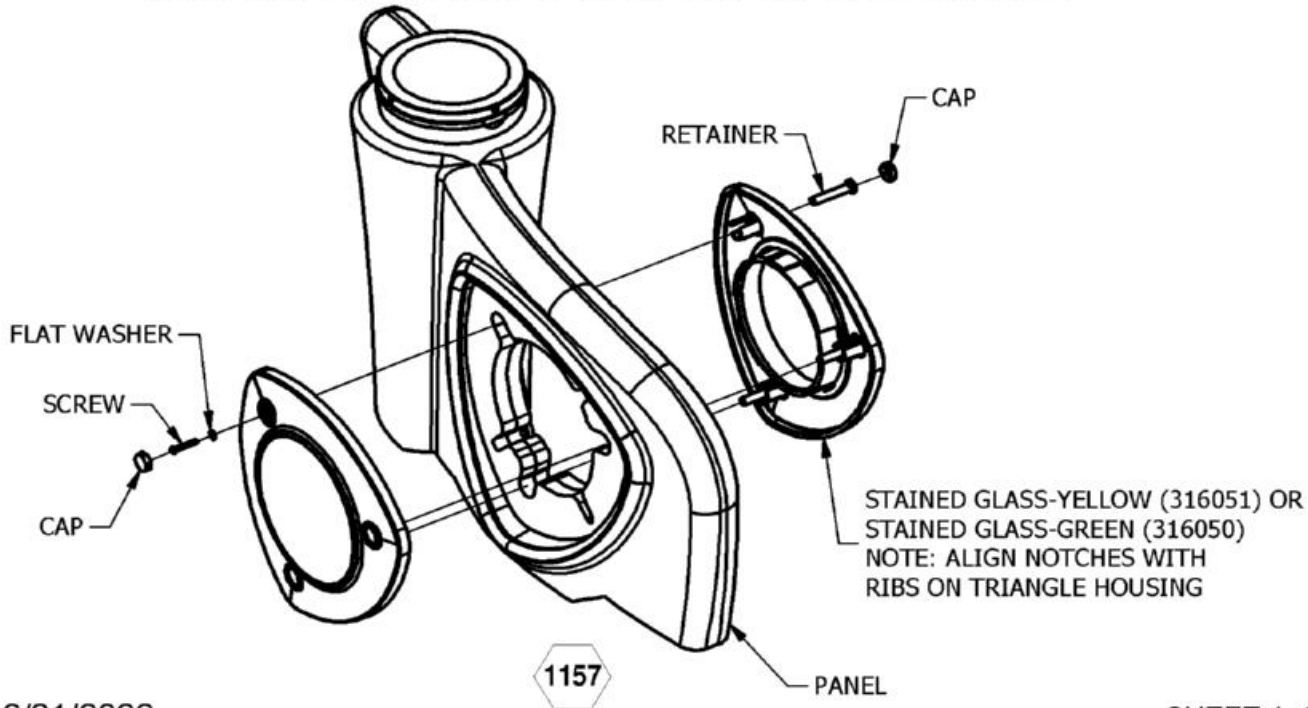
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7200 ANSWER WHEEL ASSEMBLY, 7201 MAZE ASSEMBLY, 7202 ECHO CHAMBER ASSEMBLY, 7205 STAINED GLASS-YELLOW, 7206 HYPNO WHEEL ASSEMBLY, 7207 STAINED GLASS-GREEN, 7208 BUBBLE MIRROR ASSEMBLY



1156

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



1157

Duramax

7300 Magnet Panel, 7301 Mirror Panel, 7302 Lacing Panel, 7304 Window Panel, 7305 Paint Panel, 7306 Theatre Panel

PARTS LIST

DESCRIPTION	***NUMBER REQUIRED***						***PART NUMBER***
	7300	***7301***	***7302***	***7304***	***7305***	***7306***	
Magnet Panel	1	0	0	0	0	0	307703
Mirror Panel	0	2	0	0	0	0	307729
Lacing Panel	0	0	1	0	0	0	307702
Window Panel	0	0	0	1	1	0	313575
Theatre Panel	0	0	0	0	0	1	307902
Paint Tray	0	0	0	0	1	0	307785
Frame for Single A-Maze Panel	1	1	1	1	1	0	307699
Angle Bracket	0	0	0	0	2	0	302334
Hardware Complete	1	1	1	0	0	1	307987
Hardware Complete	0	0	0	1	0	0	307988
Hardware Complete	0	0	0	0	1	0	307989
3/8" x 1" P.B.H.C.S. w/Patch	0	0	0	0	2	0	812050*
3/8" x 1 1/2" P.B.H.C.S. w/Patch	4	4	4	4	2	4	812053*
3/8" x 1 3/4" P.B.H.C.S. w/Patch	0	0	0	0	2	0	812054*
3/8" Flat Washer	4	4	4	4	6	4	817410*
3/8" Lock Nut	0	0	0	0	2	0	804353*
3/8" Barrel Nut	4	4	4	4	6	4	804804*

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 all threaded hardware.

INSTALLATION INSTRUCTIONS:

1. Locate Panel to receive Activity.

2. Place Activity and Frame into opening and fasten in four places using 3/8" PBHCS w/Patch (length varies according to activity), 3/8" Flat Washer (817410), and 3/8" Barrel Nut (804804). Refer to Details -206 and -207. NOTE: Remove any protective film that may be on Activity Panels before assembly.

3. For Paint Panel, attach Window Panel and Frame to top two holes using 3/8" x 1-3/4" PBHCS w/Patch, 3/8" Flat Washer (817410), and 3/8" Barrel Nut (804804) as shown in Detail -208.

4. For Theatre Panel, attach Theatre Panel to Rotomolded Panel using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Flatwasher and 3/8" Barrel Nut. See Detail 241.

5. Loosely assemble two Angle Brackets to the bottom of Paint Tray using 3/8" x 1" PBHCS w/Patch, 3/8" Flat Washers (817410), and 3/8" Lock Nut (804353) as shown in Detail -208.

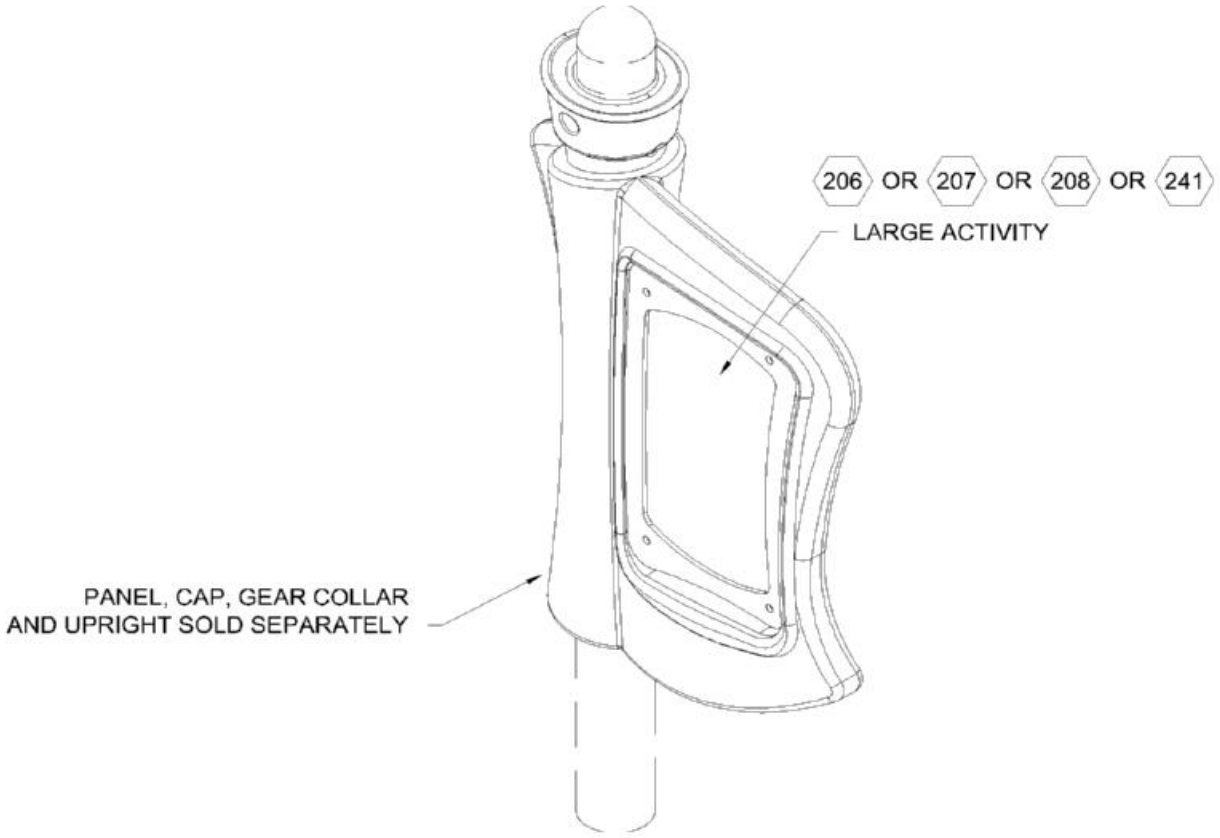
6. Attach Angle Brackets on Paint Tray to bottom two holes using 3/8" x 1-3/4" PBHCS w/Patch, 3/8" Flat Washer (817410), and 3/8" Barrel Nut (804804) as shown in Detail -208. Ensure that Angle Bracket is level and is not obstructing cup opening.

Duramax

7300 Magnet Panel, 7301 Mirror Panel, 7302 Lacing Panel, 7304 Window Panel, 7305 Paint Panel, 7306 Theatre Panel

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 all decks for Plastisol coating peeling and touch up wit Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. 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.

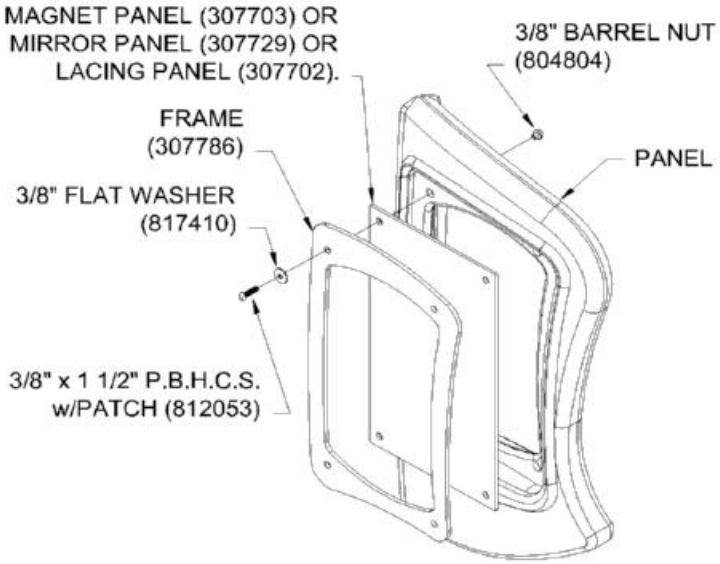


FINISHED ASSEMBLY

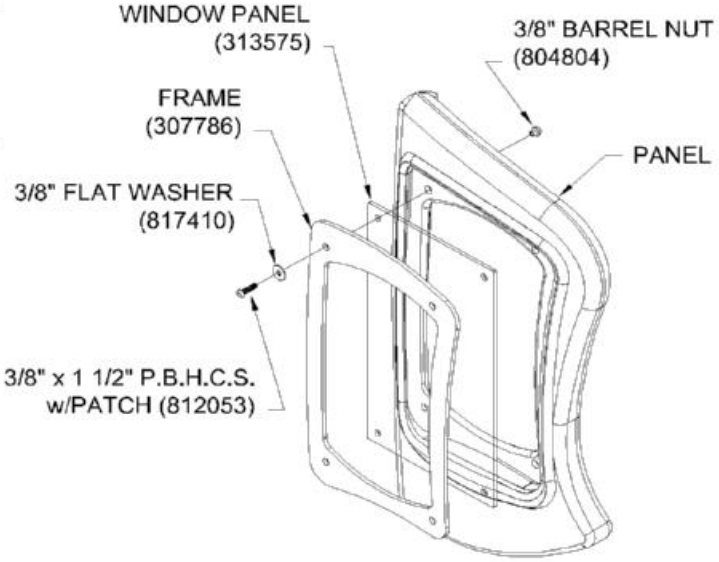
(7300 VERSION SHOWN)

⬡ ***= INSTALLATION DETAIL***

7300 Magnet Panel, 7301 Mirror Panel, 7302 Lacing Panel, 7304 Window Panel, 7305 Paint Panel, 7306 Theatre Panel

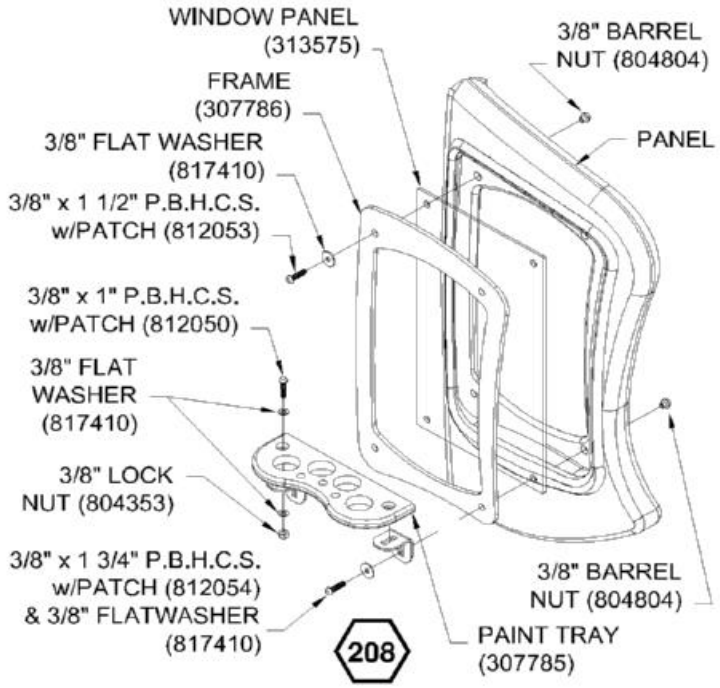


206

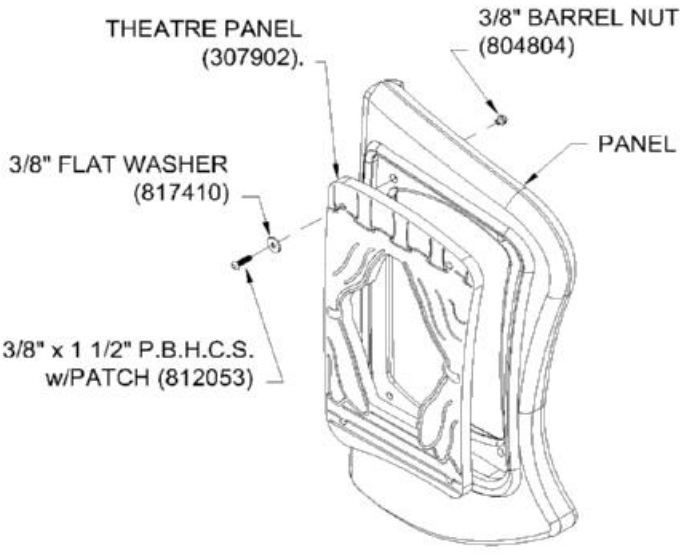


207

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



208



241

7356 12" ONE SIDED PACHINKO
7357 20" TWO SIDED PACHINKO
7358 20" ONE SIDED PACHINKO

Parts List				
DESCRIPTION	7356	7357	7358	PART NUMBER
12" PACHINKO PANEL ONE SIDED	1	0	0	212476
20" PACHINKO PANEL TWO SIDED	0	1	0	212477
20" PACHINKO PANEL ONE SIDED	0	0	1	212478
HARDWARE COMPLETE	0	0	1	212472
HARDWARE COMPLETE	1	0	0	212479
HARDWARE COMPLETE	0	1	0	212890
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	0	8	0	812053
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	5	0	8	812054
3/8" LOCK WASHER	5	8	8	817334
3/8" FLAT WASHER	5	8	8	817410
3/8" BARREL NUT	5	8	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:

Pachinko:
The Pachinko shall be fabricated from 1/2" high density polyethylene, nylon spacers, and 3/16" thick UV inhibitive acrylic with 10mm nylon ball.

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.

7356 12" ONE SIDED PACHINKO
7357 20" TWO SIDED PACHINKO
7358 20" ONE SIDED PACHINKO

7356 & 7358 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" Pachinko Panel One Sided or 20" Pachinko Panel One Sided to Rotomold using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. See Detail 548.
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.

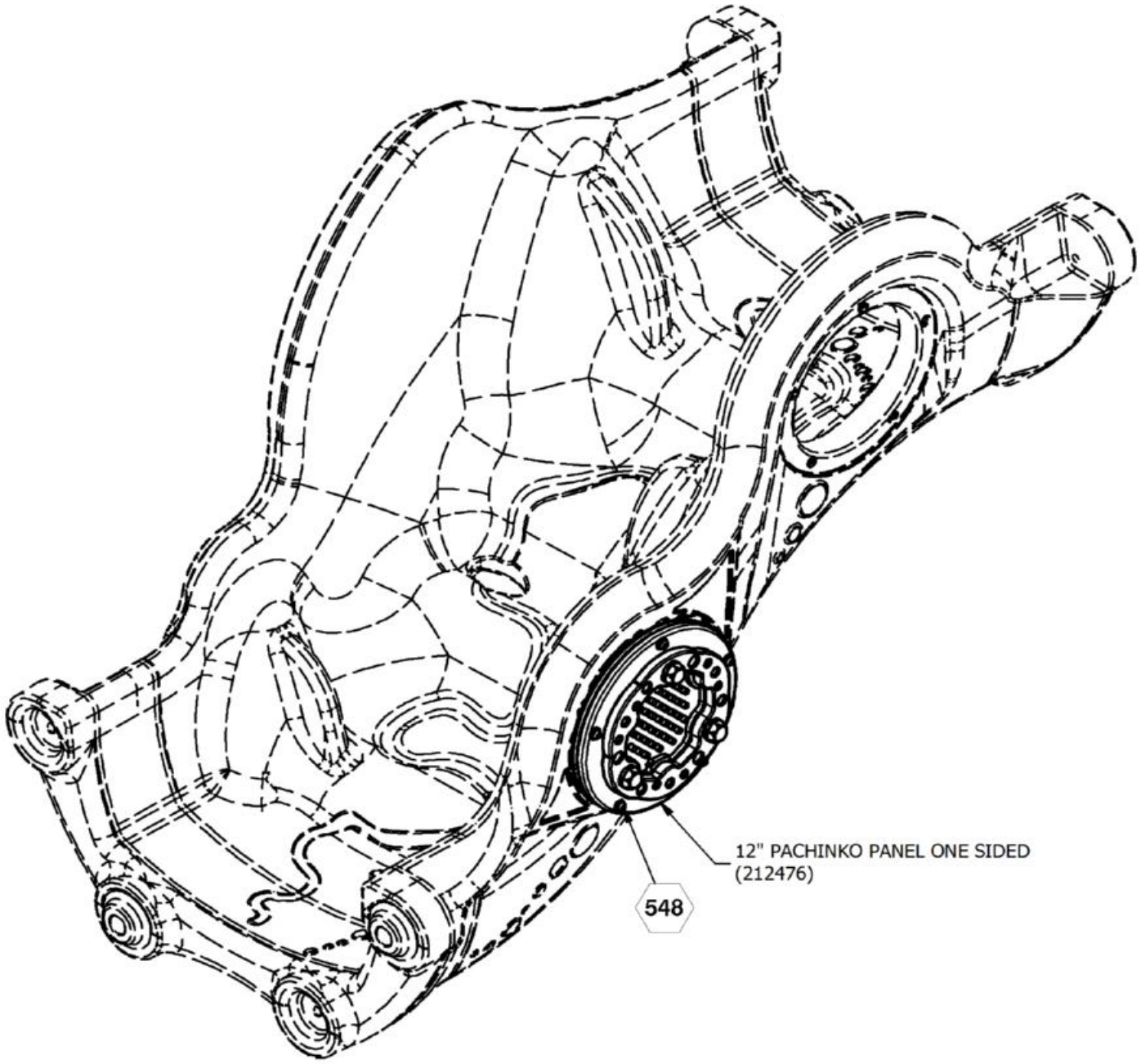
7357 INSTALLATION INSTRUCTIONS:

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" Pachinko Panel Two Sided 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.

7356 12" ONE SIDED PACHINKO
7357 20" TWO SIDED PACHINKO
7358 20" ONE SIDED PACHINKO



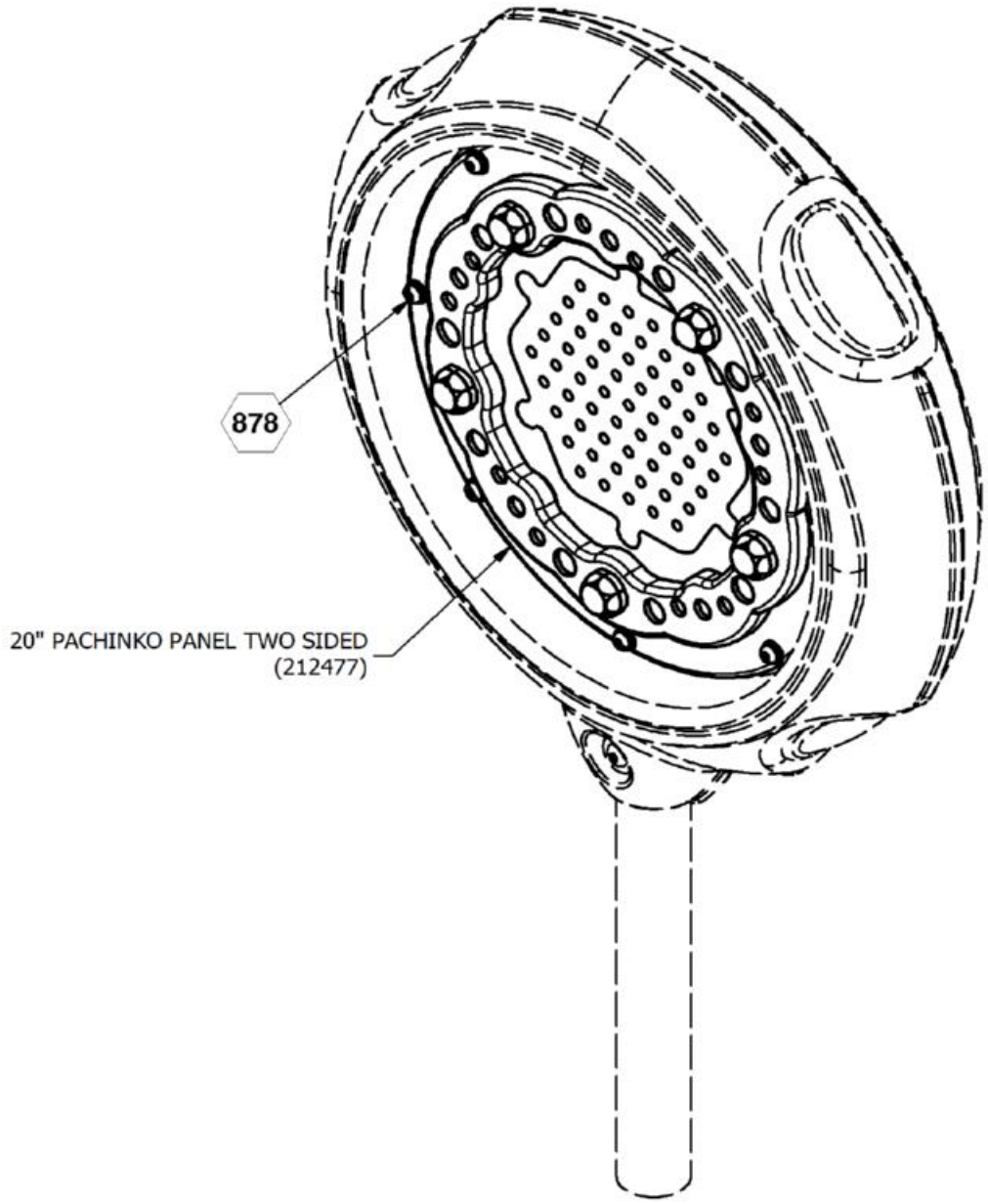
FINISHED ASSEMBLY
7356 SHOWN

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 5/5/2017

7356 12" ONE SIDED PACHINKO
7357 20" TWO SIDED PACHINKO
7358 20" ONE SIDED PACHINKO

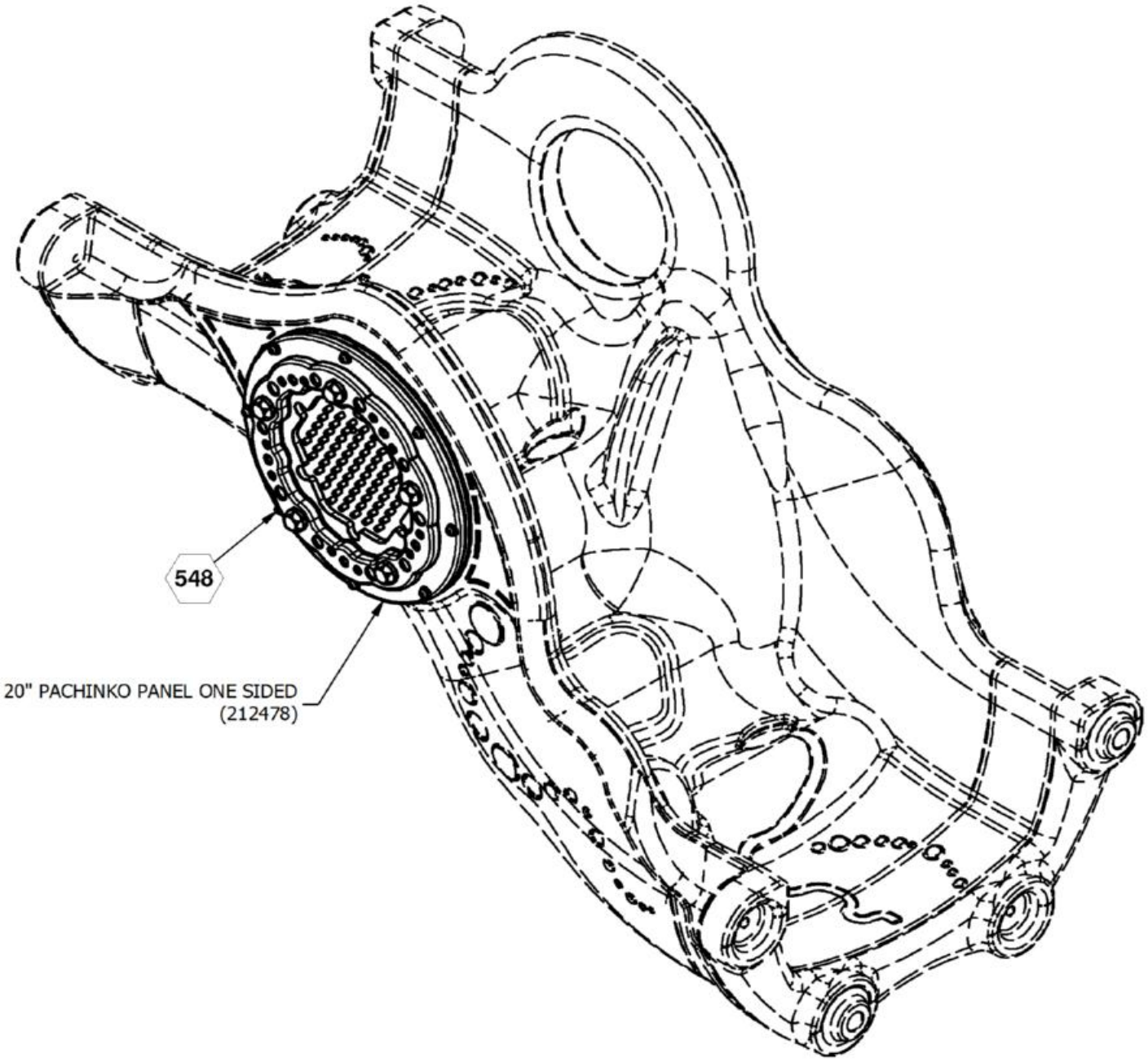


FINISHED ASSEMBLY
7357 SHOWN

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

7356 12" ONE SIDED PACHINKO
7357 20" TWO SIDED PACHINKO
7358 20" ONE SIDED PACHINKO



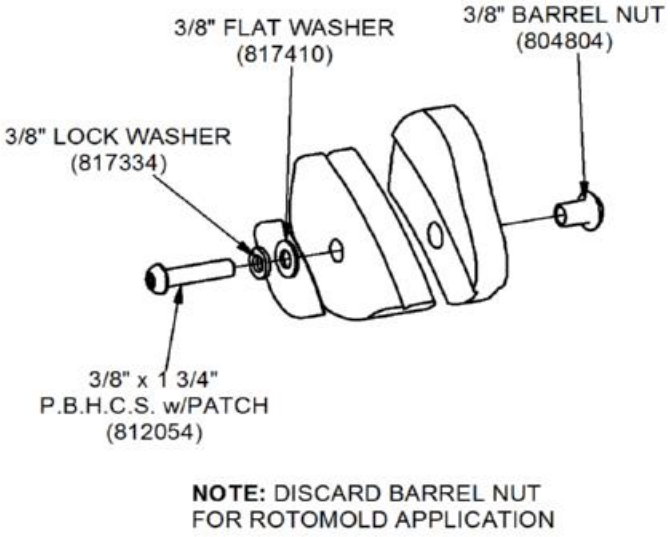
= INSTALLATION DETAIL

FINISHED ASSEMBLY
7358 SHOWN

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

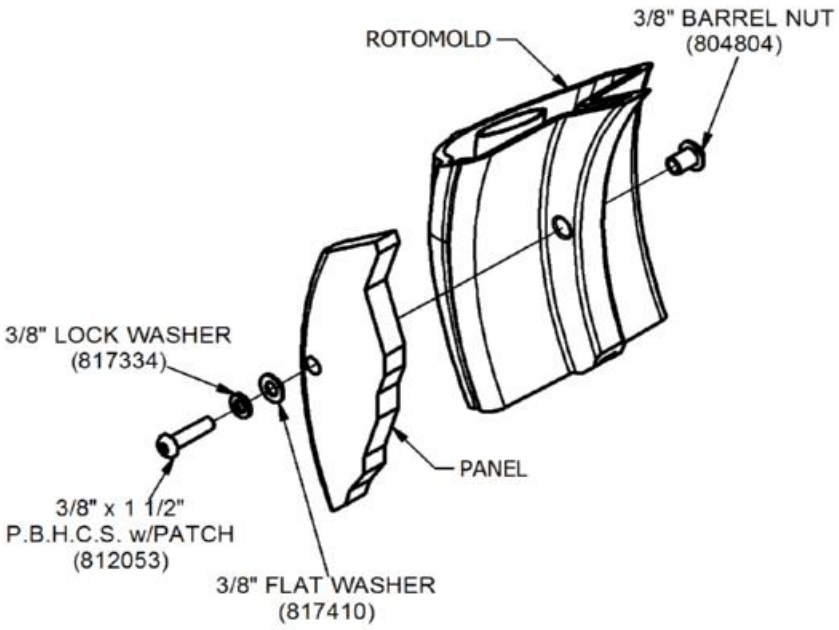
Issued/Revised: 5/5/2017

7356 12" ONE SIDED PACHINKO
7357 20" TWO SIDED PACHINKO
7358 20" ONE SIDED PACHINKO



NOTE: DISCARD BARREL NUT FOR ROTOMOLD APPLICATION

548



878

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

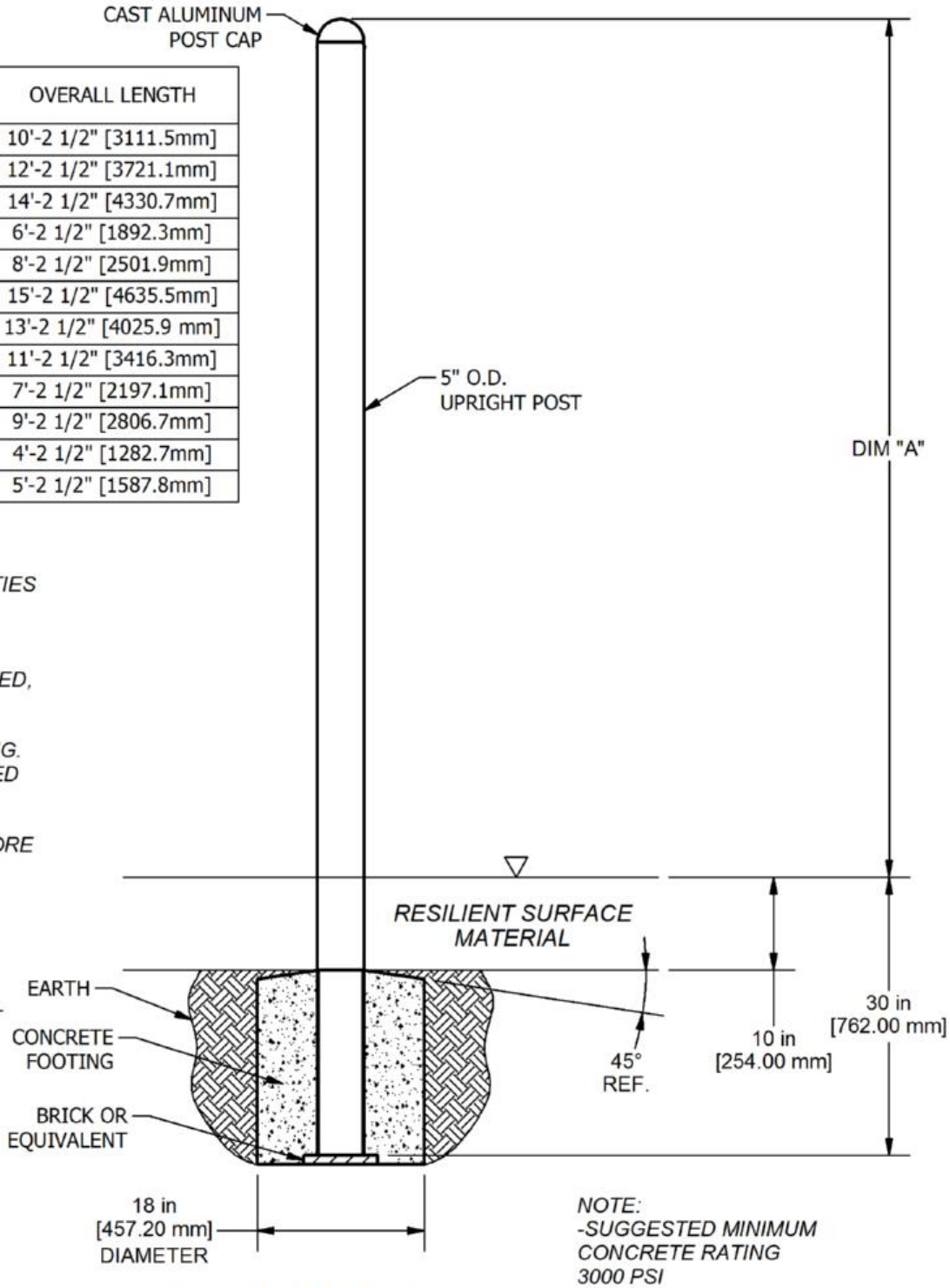
60059 (10'), 60060 (12'), 60088 (14'), 60102 (6'), 60178 (8'), 60946 (15'), 60947 (13'), 60948 (11'), 60949 (7'), 60956 (9'), 61538 (4'), 61539 (5') SUPERMAX POST w/ CAP

(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:

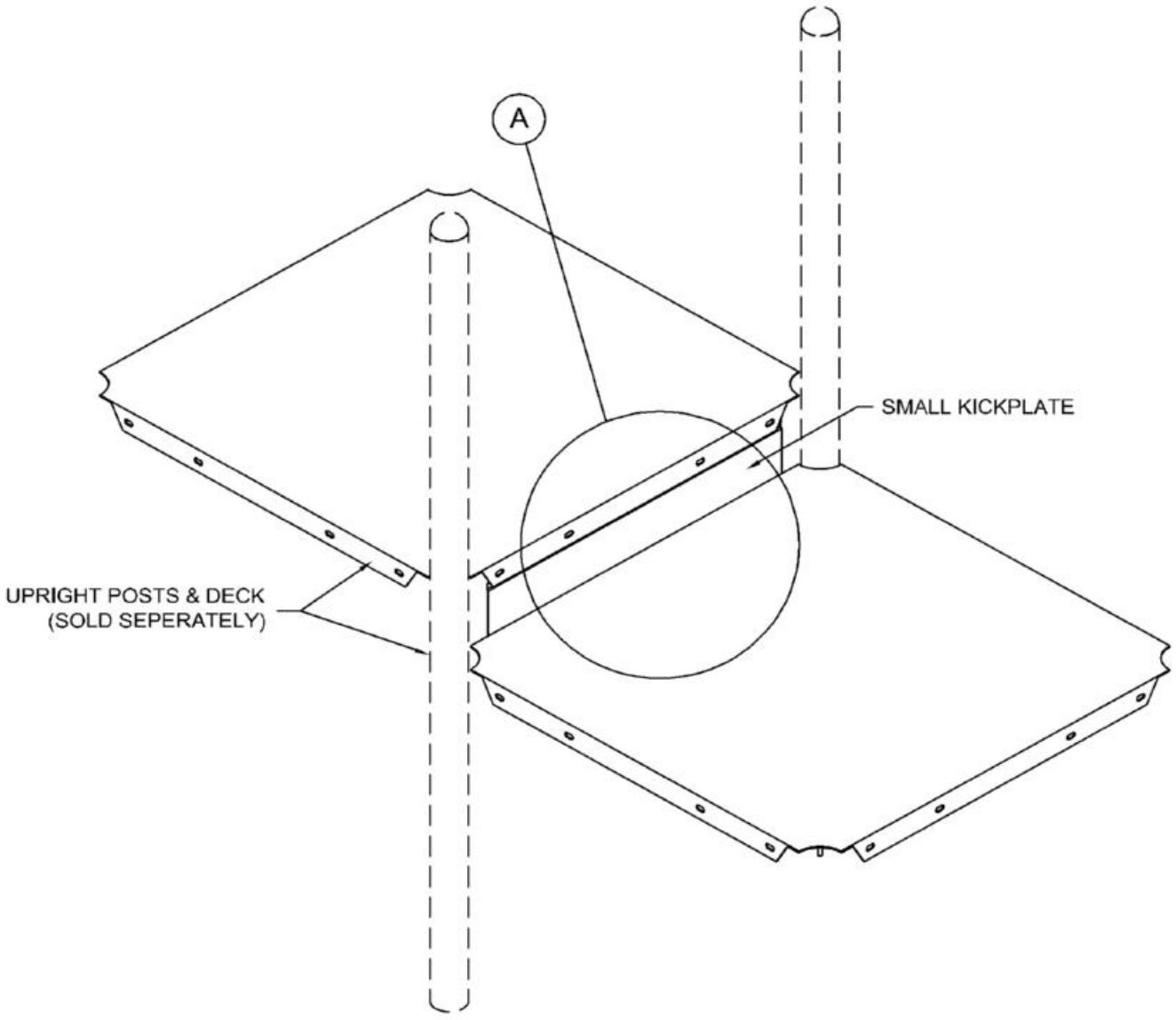
1. Refer to the main drawing to locate decks, which are spaced 8" apart. These will require Kickplate(s). Attach Kickplates after decks have been installed, but before deck clamps have been pinned, in case adjustment in deck heights is required to match up holes in deck flanges with holes in Kickplate.

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:

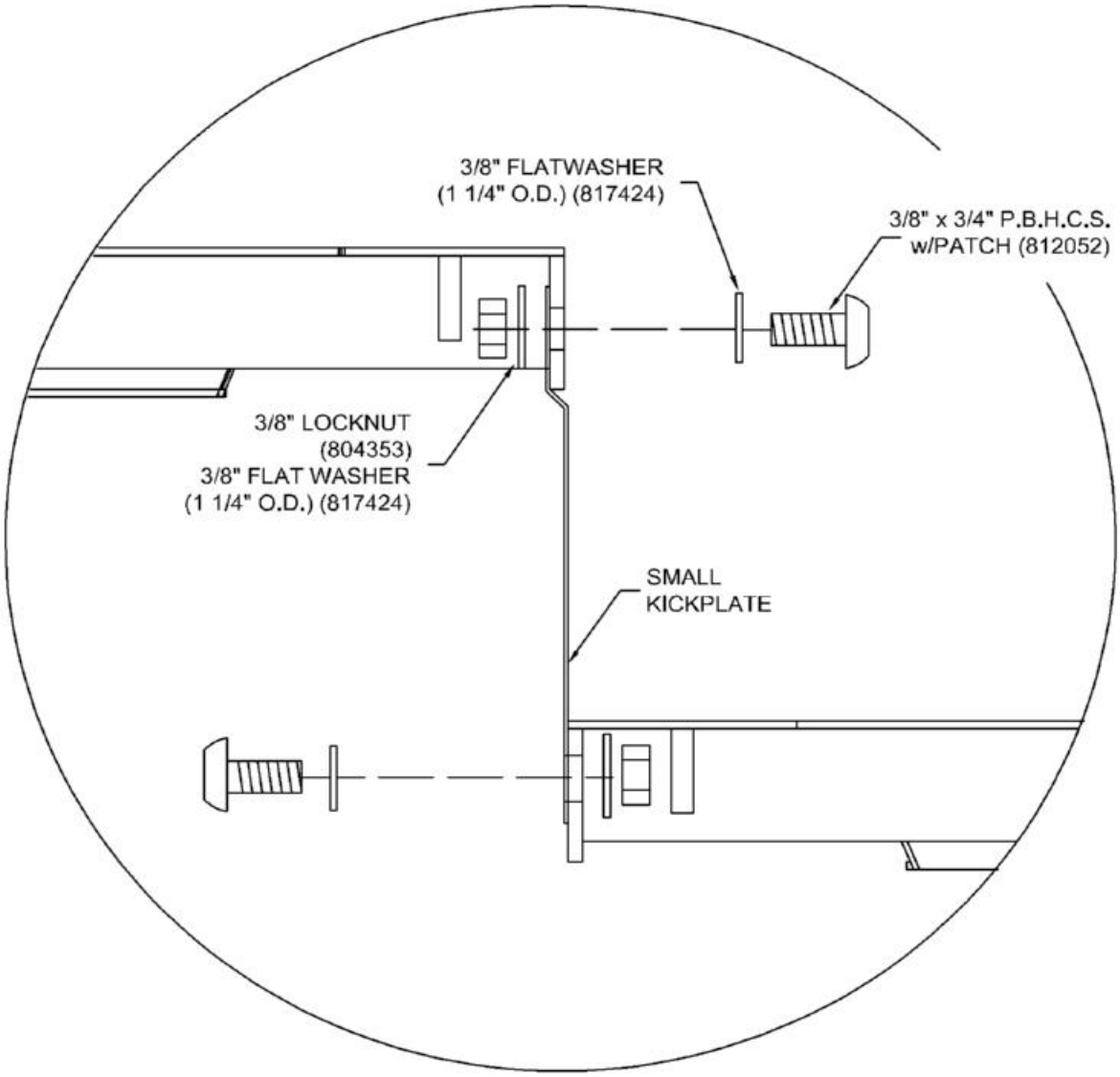
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check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

SuperMax Play Systems

Model No: _____

Desc: _____

MODEL NO. 60172 Large Kickplate (for decks 16" apart)

PARTS LIST

DESCRIPTION	No. REQ'D	PART NUMBER
Large Kickplate	1	305746
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 17-1/2" x 38", and is cut from galvanneal sheet metal with (8) 7/16" x 1" slotted holes punched to coincide with deck flange holes. Corners are rounded, edges are ground smooth, and receives a baked-on polyester powder-coated finish after fabrication.

Primary hardware is stainless steel.

INSTALLATION INSTRUCTIONS:

1. Refer to the main drawing to locate decks, which are spaced 16" 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. Attach Kickplate to decks using 3/8" x 3/4" P.B.H.C.S. w/Patch with 3/8" (1 1/4" O.D.) Flat Washers and 3/8" Lock Nuts.

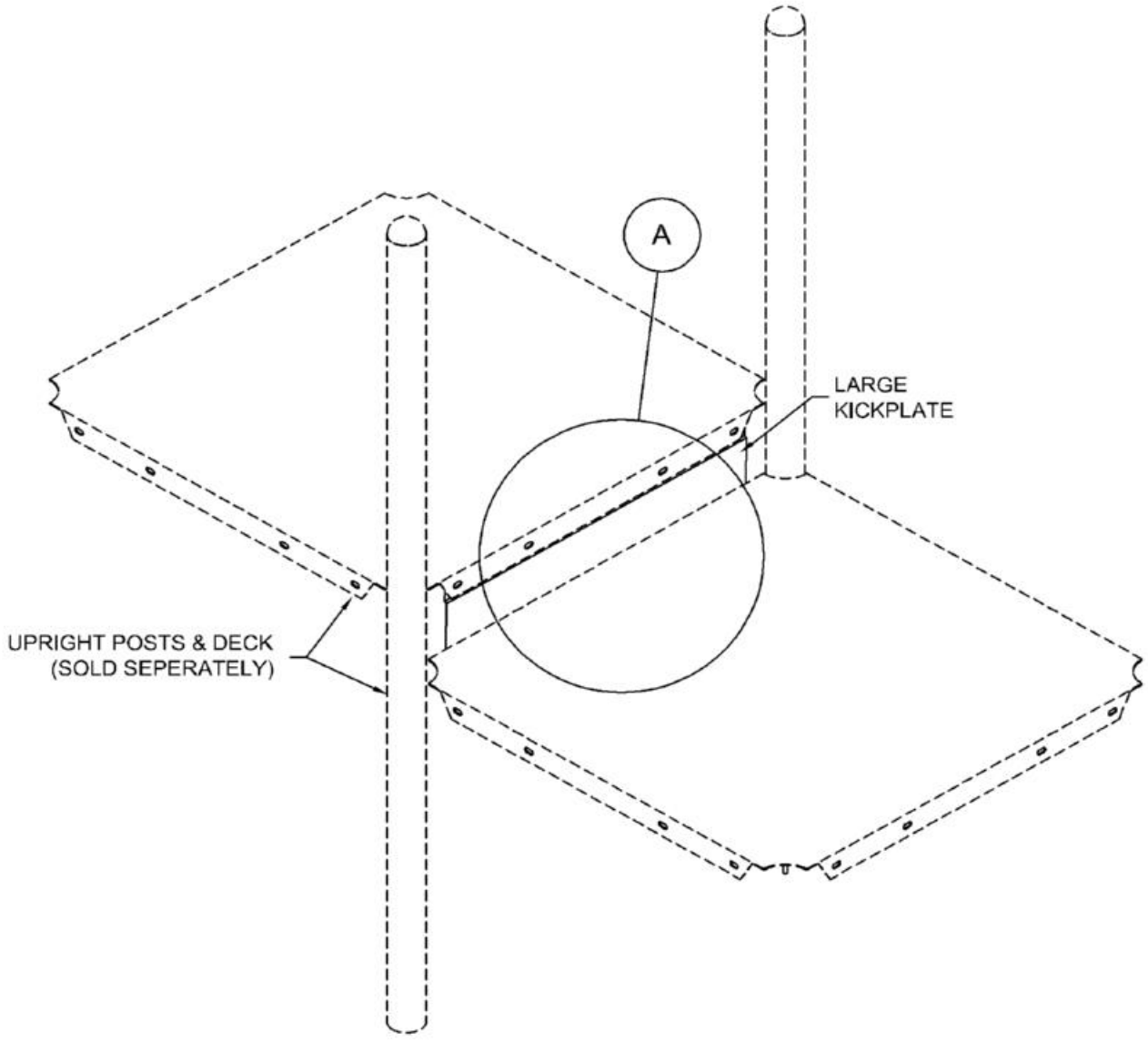
   IMPORTANT: No portion of the Kickplate should be protruding in a manner which could cause a user to receive a cut, scrape or trip over any edge. Any rough edges should be filed smooth, and any protruding corners should be flattened.

3. 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:

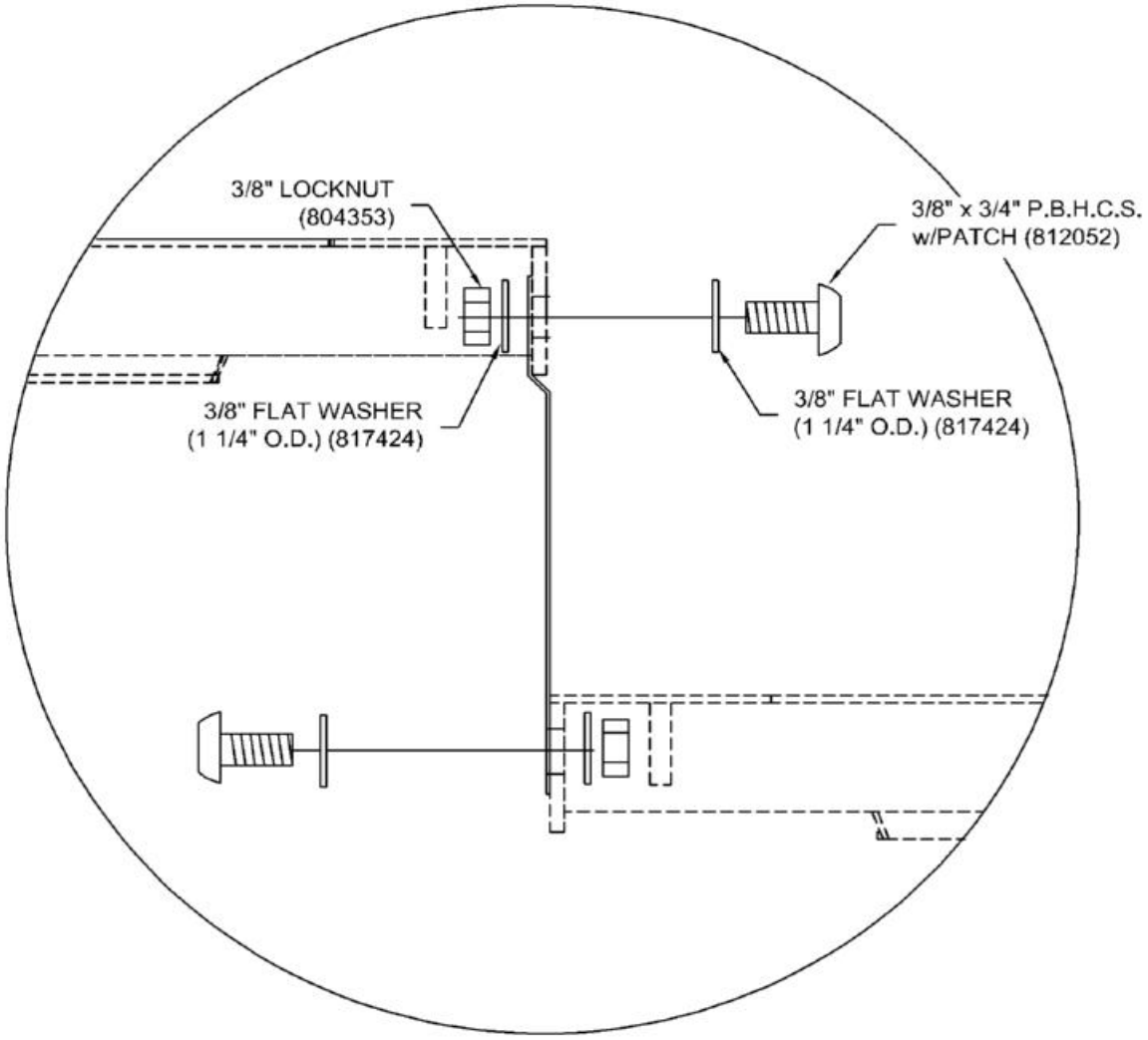
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Check for rust or paint loss and touch-up if necessary with paint. Check periodically resilient 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. 60172 Large Kickplate (for decks 16" apart)



FINISHED ASSEMBLY

MODEL NO. 60172 Large Kickplate (for decks 16" apart)



DETAIL 'A'

LARGE KICKPLATE ASSEMBLY

SuperMax Play Systems

MODEL NO. 60645 DECK CURB

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	DECK CURB	1	308766
	HARDWARE COMPLETE	1	178177
	3/8" T-NUT	4	804556
	3/8" FLAT WASHER (1 1/4" O.D.)	4	817424
	3/8" LOCK WASHER	4	817334
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	812052
	1/2" FLAT WASHER	4	817412

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

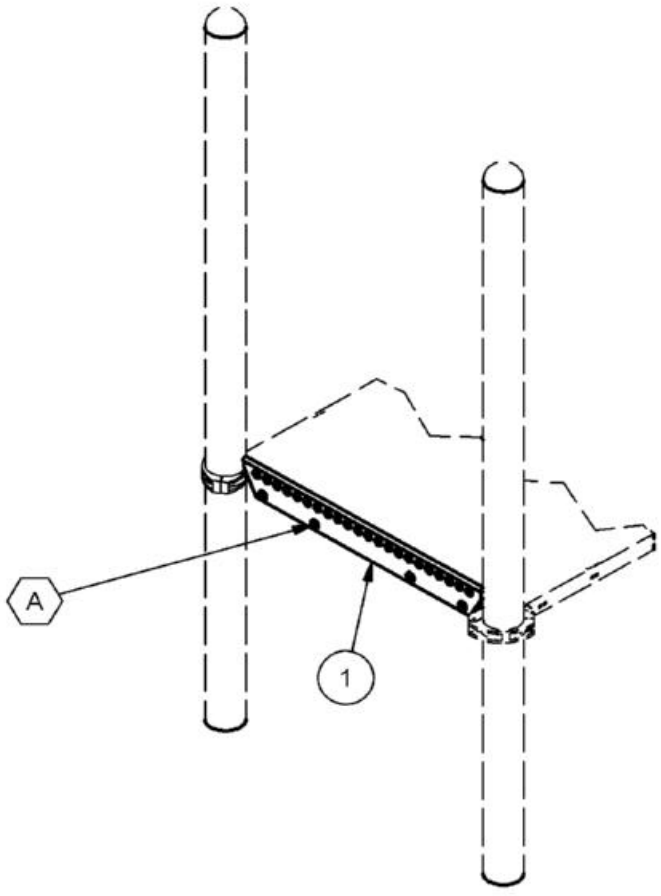
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.
Note: Loctite (supplied by others) should be used on any non-threaded hardware.

INSTALLATION INSTRUCTIONS:

1. Select the appropriate Deck opening to receive the Deck Curb. Refer to your overhead drawing for location.

2. Attach Deck Curb to side of deck using hardware shown in Detail A.



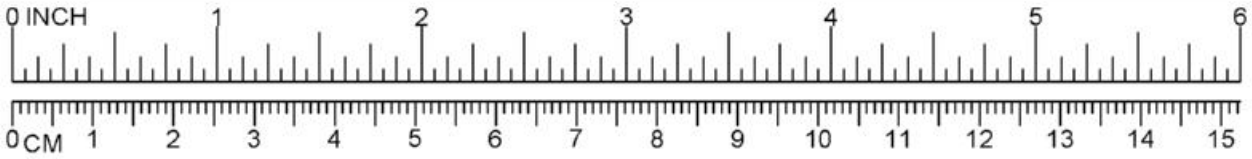
DETAILS -for-
60645

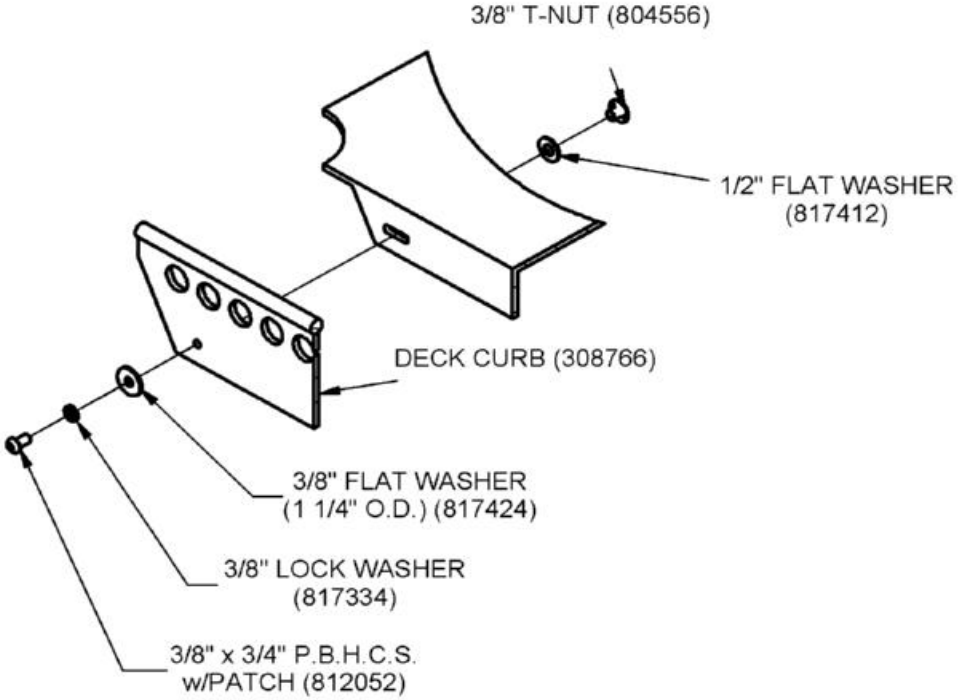
IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.





DETAIL "A"

SuperMax Play Systems

61383 Single Post Fabric Shade

PARTS LIST		
DESCRIPTION	QTY	PART NUMBER
UMBRELLA UPRIGHT EXTENSION	1	179803
UMBRELLA ARM	6	179818
UMBRELLA BRACE	6	179814
INGROUND EXTENSION	1	200053
SHADE END CASTING 2 7/8"	6	179787
FABRIC PACKAGE FOR SINGLE POST FABRIC SHADE	1	214365
CABLE/CLAMP PACKAGE FOR SINGLE POST FABRIC SHADE	1	214370
CABLE	1	
CABLE CLAMP	4	
HARDWARE COMPLETE	1	309402
1/2" x 1 1/4" HEX HEAD BOLT	18	801204*
1/2" LOCKWASHER	19	817342*
1/2" LOCKNUT	19	804355*
1/2" FLAT WASHER	12	817412*
1/4" x 3/4" DRIVE RIVET	12	168449*
1/2" ANCHOR ROD	2	135038*
3/8" x 5" P.B.H.C.S. w/PATCH	2	812078*
3/8" FLAT WASHER	2	817410*
3/8" LOCK WASHER	2	817334*
3/8" BARREL NUT	2	804804*
1/2" PIN-IN HEX KEY	1	812640*
1/2" x 5 1/2" HEX HEAD BOLT	1	801221*

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

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

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

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

61383 Single Post Fabric Shade

INSTALLATION INSTRUCTIONS:

1. Installation of shade must be done after playground has been installed, and concrete has cured. Approximately 48 hrs. (Refer to Detail 370 for footing requirements of uprights that support shade).

2. Attach the Umbrella Upright Extension to the upright using 3/8" x 5" P.B.H.C.S., 3/8" Lock Washer, 3/8" Flat Washer and 3/8" Barrel Nut. See Detail 373.

3. Attach the six Umbrella Braces to the Umbrella Upright Extension using 1/2" x 1 1/4" Hex Head Bolt, 1/2" Lock Washer and 1/2" Lock Nut as shown in Detail 375. ***Important:*** Do not tighten any bolts. Braces should be left loose so they can rotate into position and attach to Umbrella Arms.

4. Place the six Shade End Castings in the Umbrella Arms and attach using 1/4" x 3/4" Drive Rivets. See Detail 376. ***Note:*** Pin on Casting must be positioned opposite from tabs on the Umbrella Arms.

5. Attach the Umbrella Arms to the Umbrella Upright Extension using 1/2" x 1 1/4" Hex head Bolt, 1/2" Flat Washer, 1/2" Lock Washer and 1/2" Lock Nut. Refer to Detail 374.

6. Attach loose end of Umbrella Brace to Umbrella Arm using 1/2" x 1 1/4" Hex head Bolt, 1/2" Flat Washer, 1/2" Lock Washer and 1/2" Lock Nut. Refer to Detail 374.

7. Identify top of Fabric. The logo will be on bottom.

8. Starting at one corner, thread the steel cable into the jump-out hole beneath the loop of black fabric. NOTE: The starting corner (with the loose ends of cable) will be the only corner using the jump-out hole. At all other corners the cable will exit out the end of the fabric sleeve. Repeat until entire Fabric has been encircled. Leave a loop approximately 9 inches at each corner.

9. Spread the Fabric over the frame securing two opposite corners to the pins in the Shade End Castings ***Note:*** The Steel Cable must always pass under the pin in each Casting. See Detail 930.

10. Place the loop of cable below the eye of the remaining corners and pull the Fabric down over the pins. It may be necessary to flap the loose corners up and down to stretch the Fabric so that it fits over the pins.

11. There should be approximately 2' of Steel Cable left after the completion of step #11. Attach a come-along to one end of the Steel Cable. Attach the other end of the come-along to the adjacent upright (place protective fabric between come-along and the upright to protect paint). Tension the come-along slightly. Check again to make sure the Steel Cable is still under the Shade End Casting pins.

12. Attach a second come-along to the other Steel Cable and to the opposite upright. See Detail 929.

13. Take turns tensioning each come-along 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 Fabric by hitting the perimeter Steel Cable with the palm of your hand to see how much it moves. If the Fabric does not move more than 6" up or down then you have the correct tension. If Fabric bounces and has a ripple affect then you may need to apply more tension.

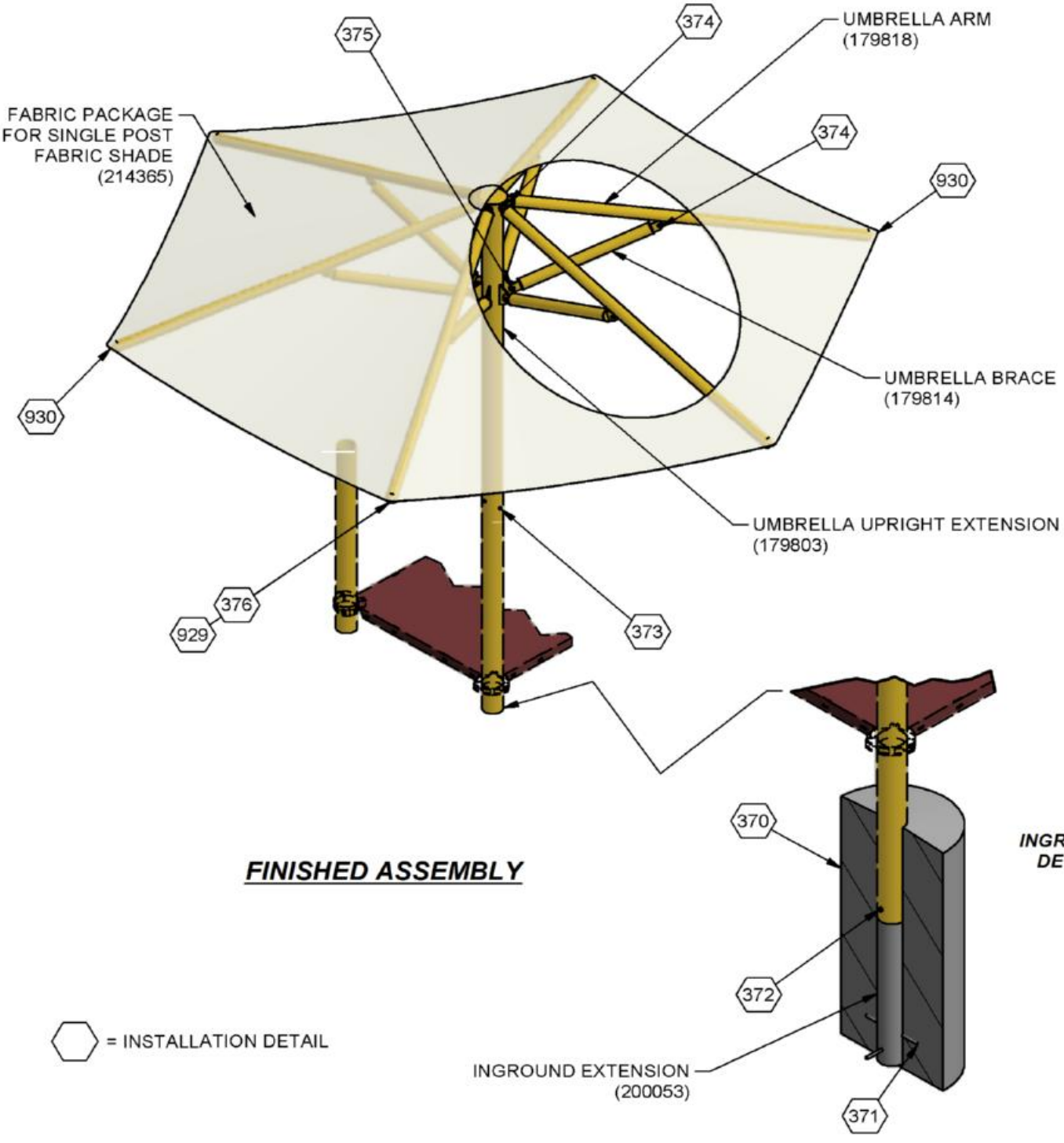
14. Using the Cable Clamps provided, fasten the Steel Cables together. Two Cable Clamps must be used and touching each other.

15. After clamps are tightened, thread the excess Steel Cable back into jump-out hole in the sleeve of the Fabric. 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.

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.

61383 Single Post Fabric Shade



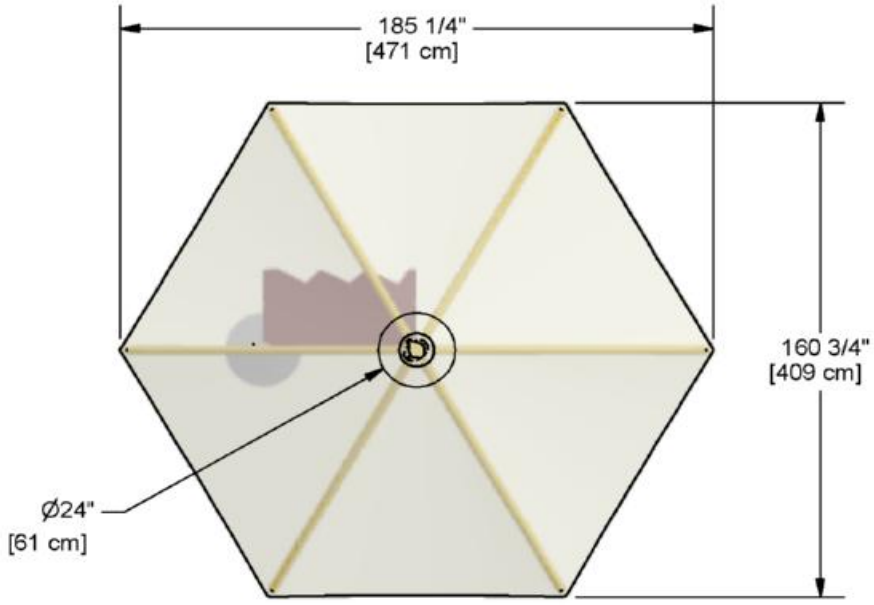
FINISHED ASSEMBLY

INGROUND DETAIL

⬡ = INSTALLATION DETAIL

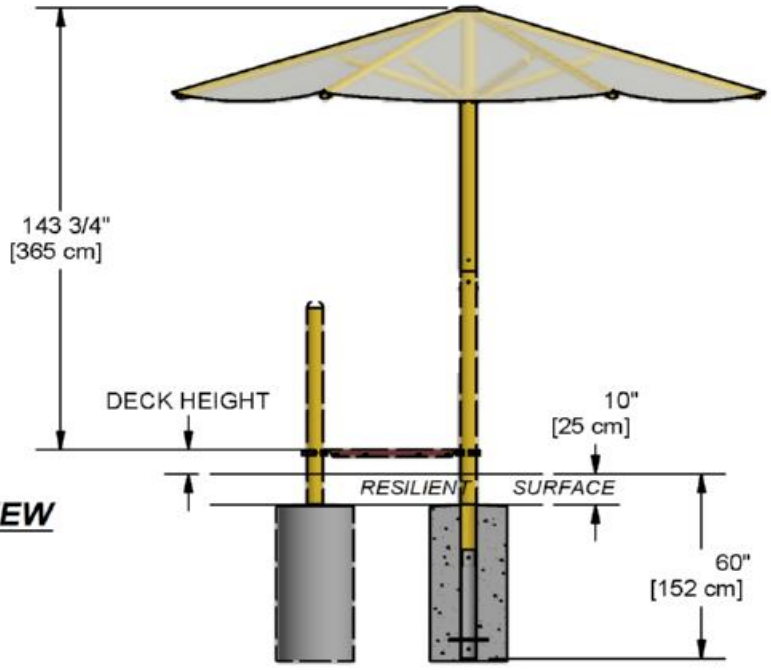
61383 Single Post Fabric Shade

PLAN VIEW



CONCRETE REQUIRED
0.49 CUBIC YARDS
[0.37 CUBIC METERS]

ELEVATION VIEW



61383 Single Post Fabric Shade

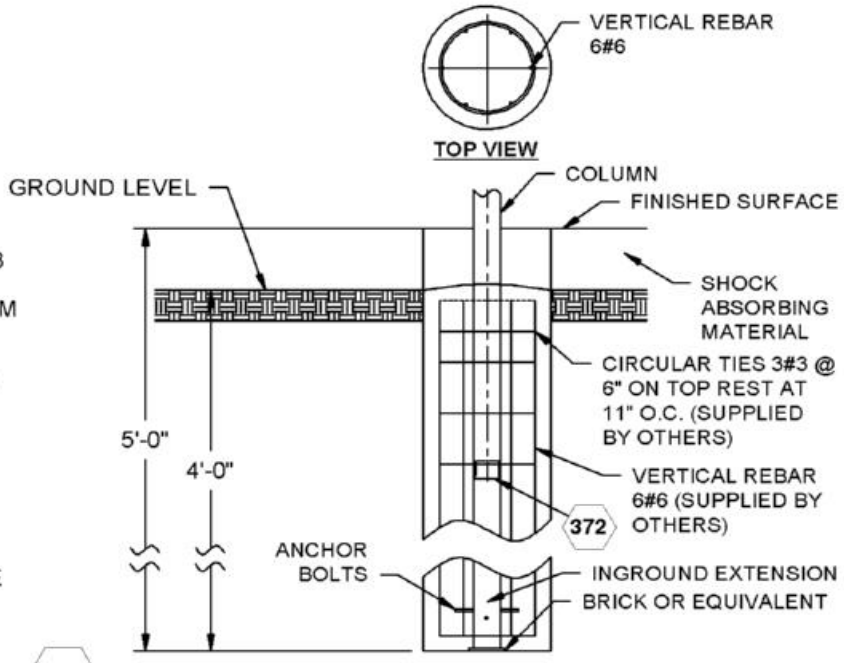
REINFORCED CONCRETE

1. CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE. CONCRETE SPECIFICATIONS, SHALL BE AS FOLLOWS:
   - -28 DAY STRENGTH: 2500PSI
   - -SLUMP: 3-5
   - -PORTLAND CEMENT SHALL CONFORM TO C-150
   - -AGGREGATE SHALL CONFORM TO ASTM C-33

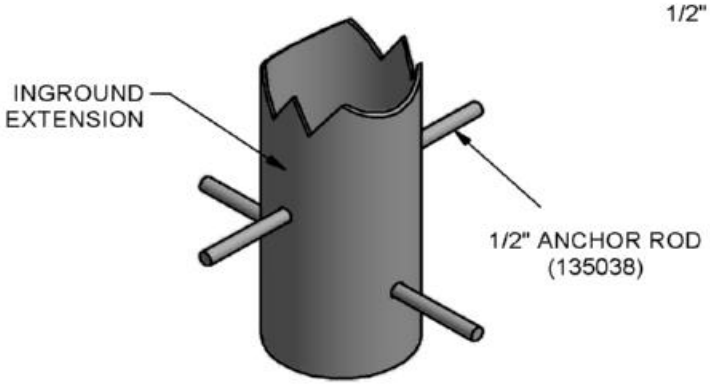
2. ALL REINFORCEMENT SHALL CONFORM TO ASTM A-615 GRADE 60
REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL AND CRSI MANUAL OF STANDARD PRACTICE.

3. ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 55 (GALVANIZED)

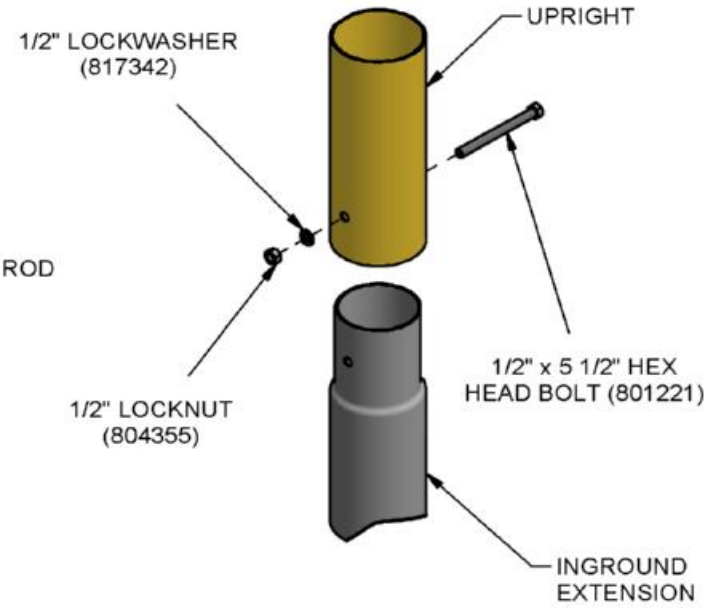
4. SOIL PARAMETERS FOR ANALYSIS TABLE 1804.2, CLASS : 5



370

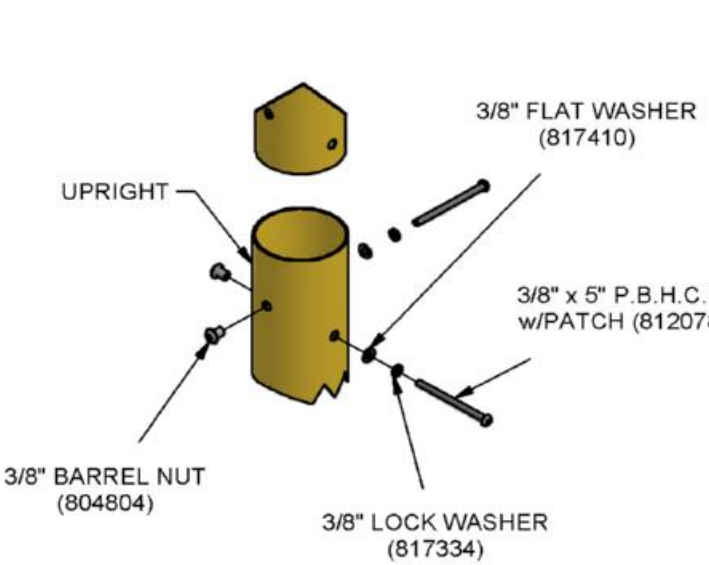


371

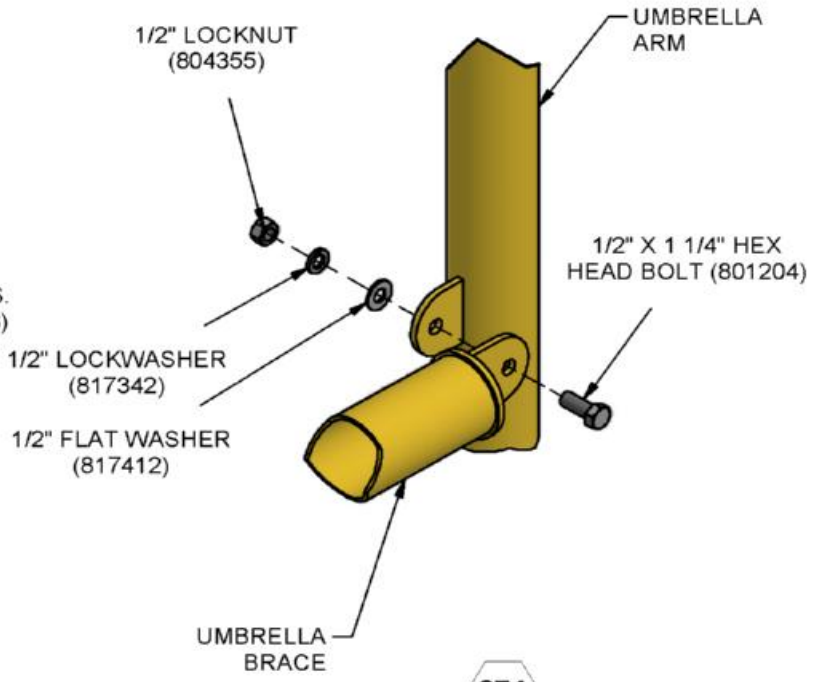


372

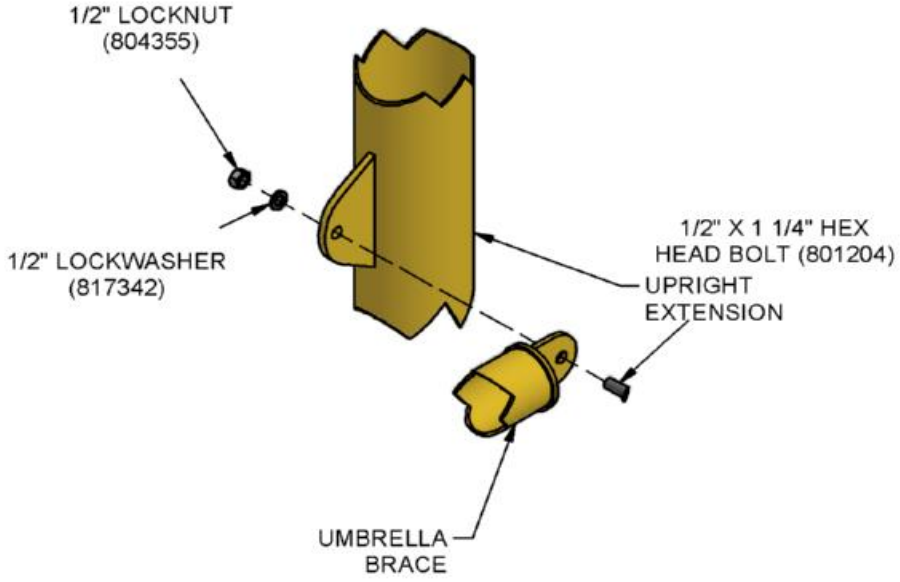
61383 Single Post Fabric Shade



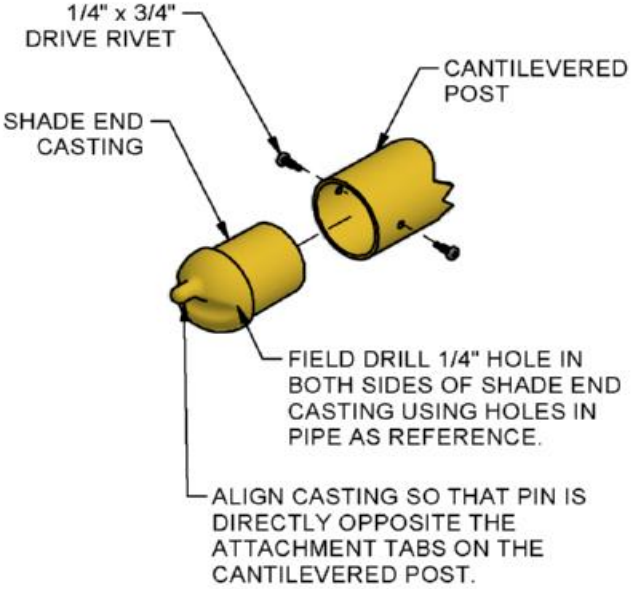
373



374



375

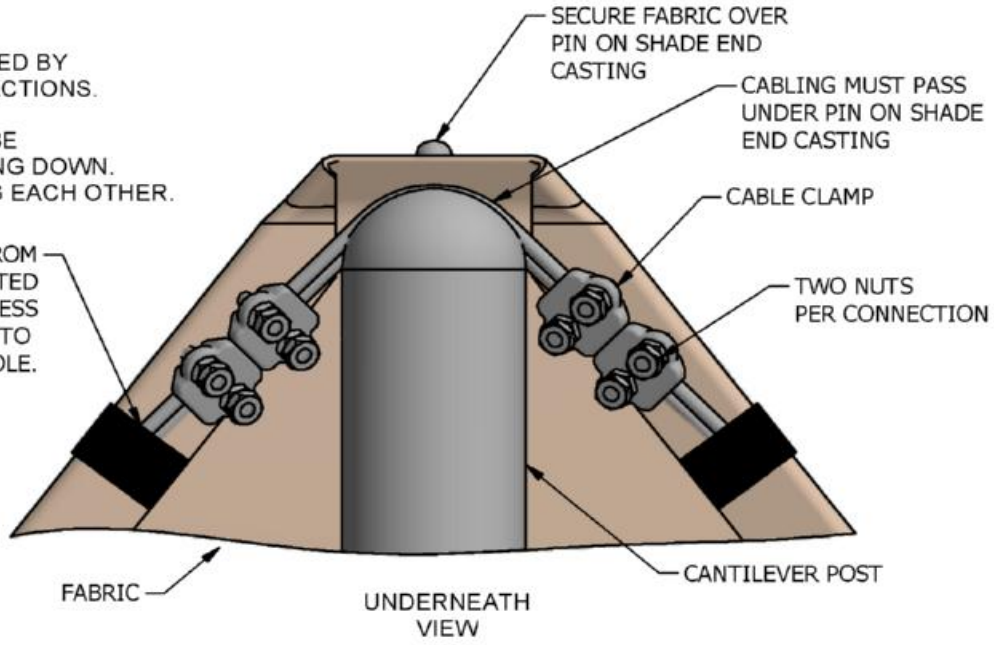


376

61383 Single Post Fabric Shade

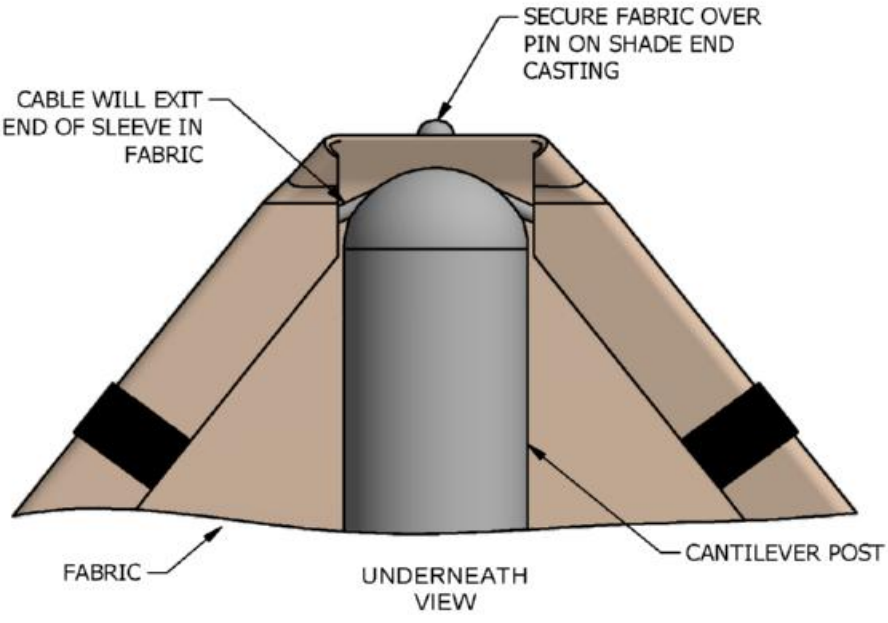
NOTE: ADD LOCTITE (SUPPLIED BY OTHERS) TO BOLTED CONNECTIONS.

NOTE: CABLE CLAMP MUST BE INSTALLED WITH NUTS FACING DOWN. CLAMPS MUST BE TOUCHING EACH OTHER.



UNDERNEATH VIEW

929



UNDERNEATH VIEW

930

Issued/Revised: 2/16/2018

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.

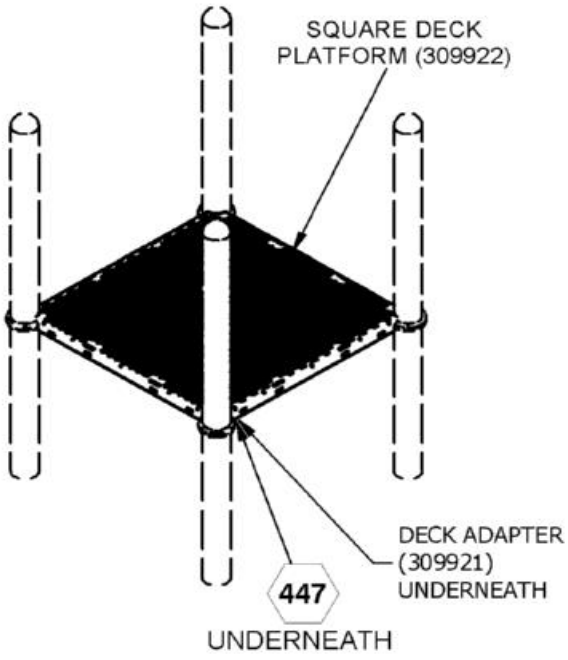
SuperMax Play Systems

71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck

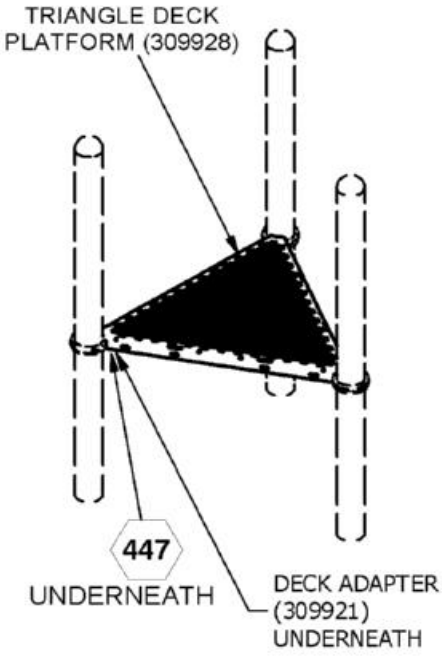
Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer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

MAINTENANCE PROCEDURE:

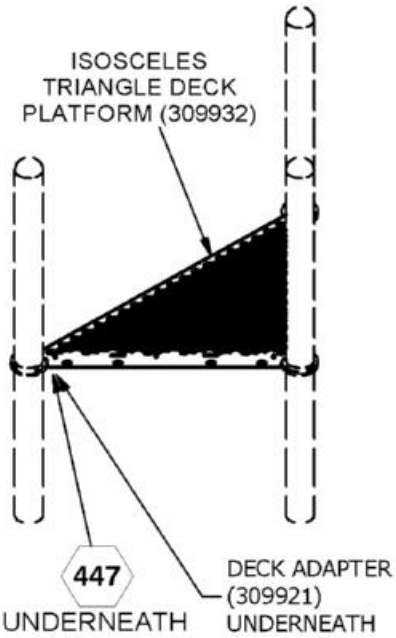
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check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

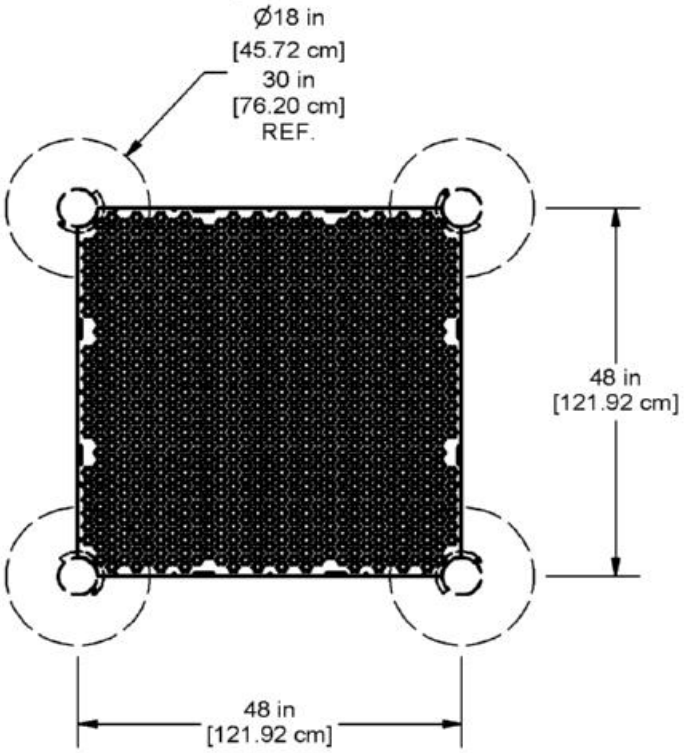
FINISHED ASSEMBLY

= INSTALLATION DETAIL

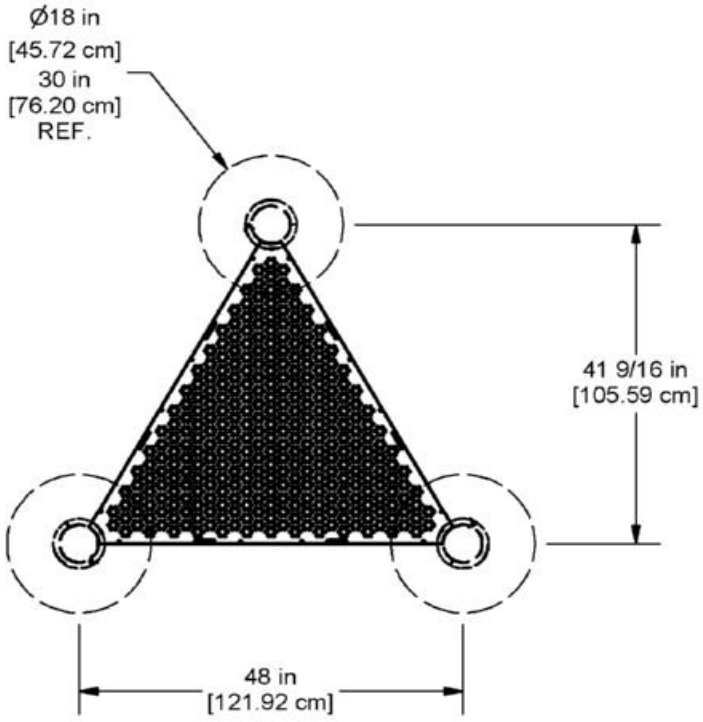
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 7/13/2012

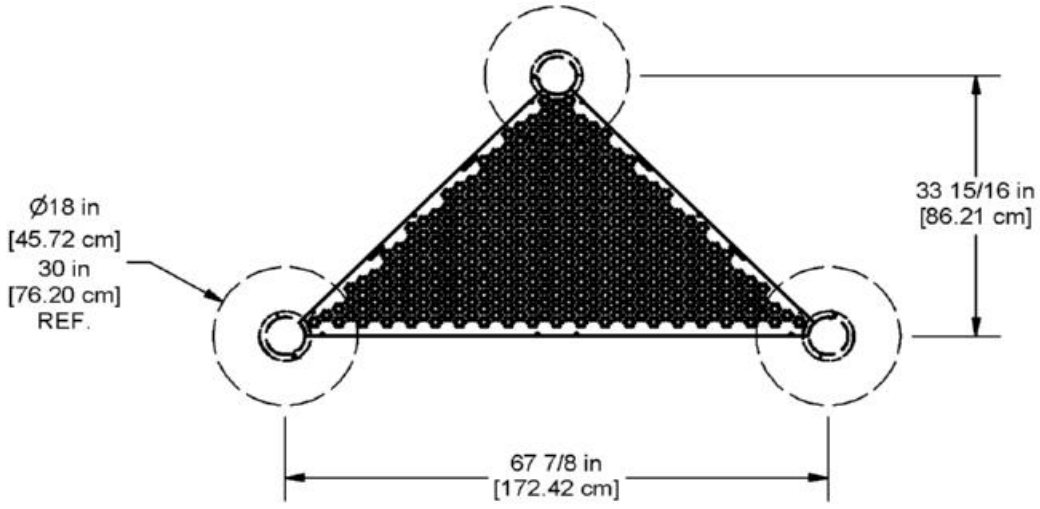
71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck



SQUARE DECK



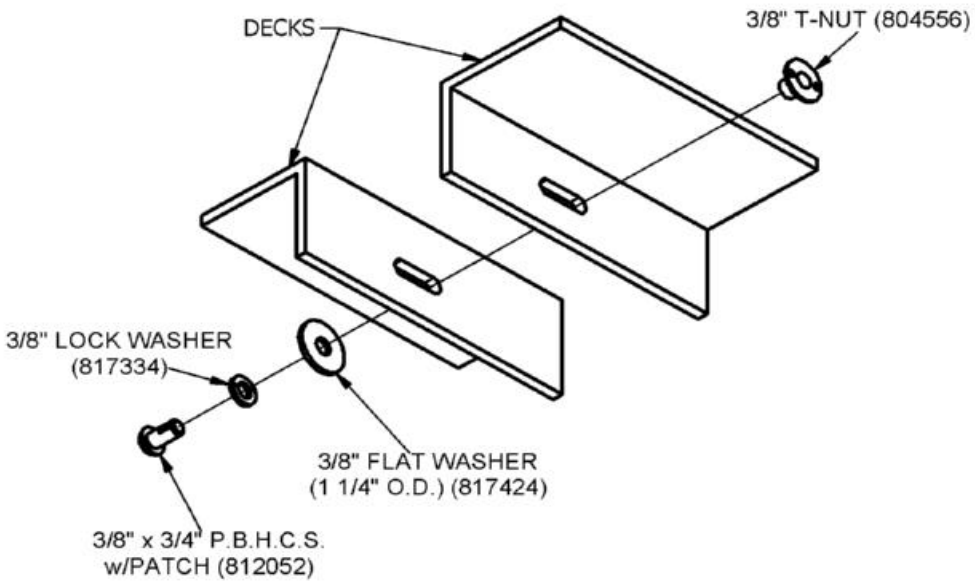
TRIANGLE DECK



ISOSCELES TRIANGLE DECK

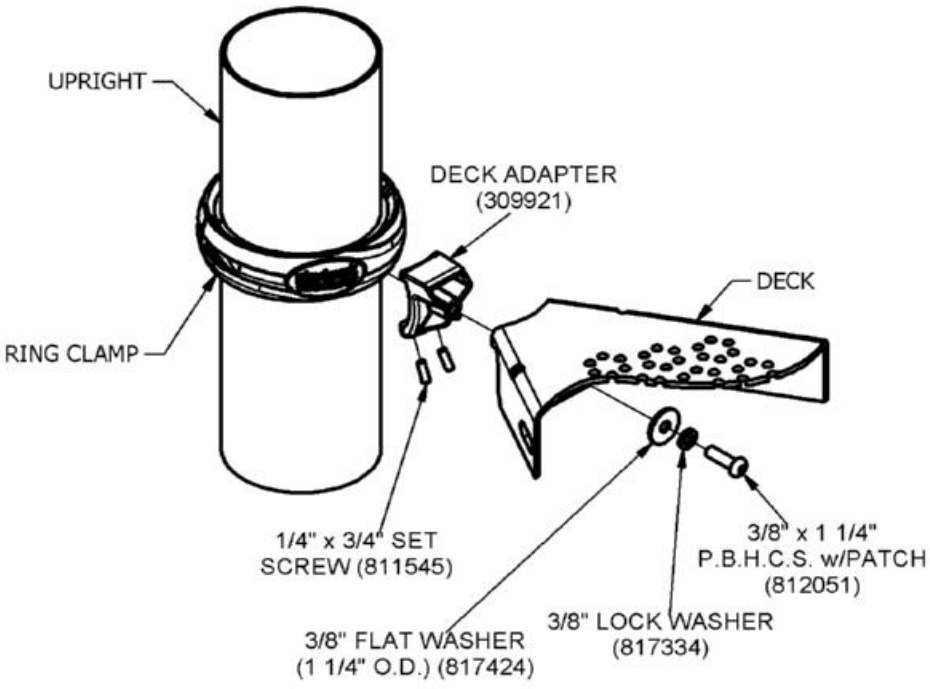
PLAN VIEW

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
**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.

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.

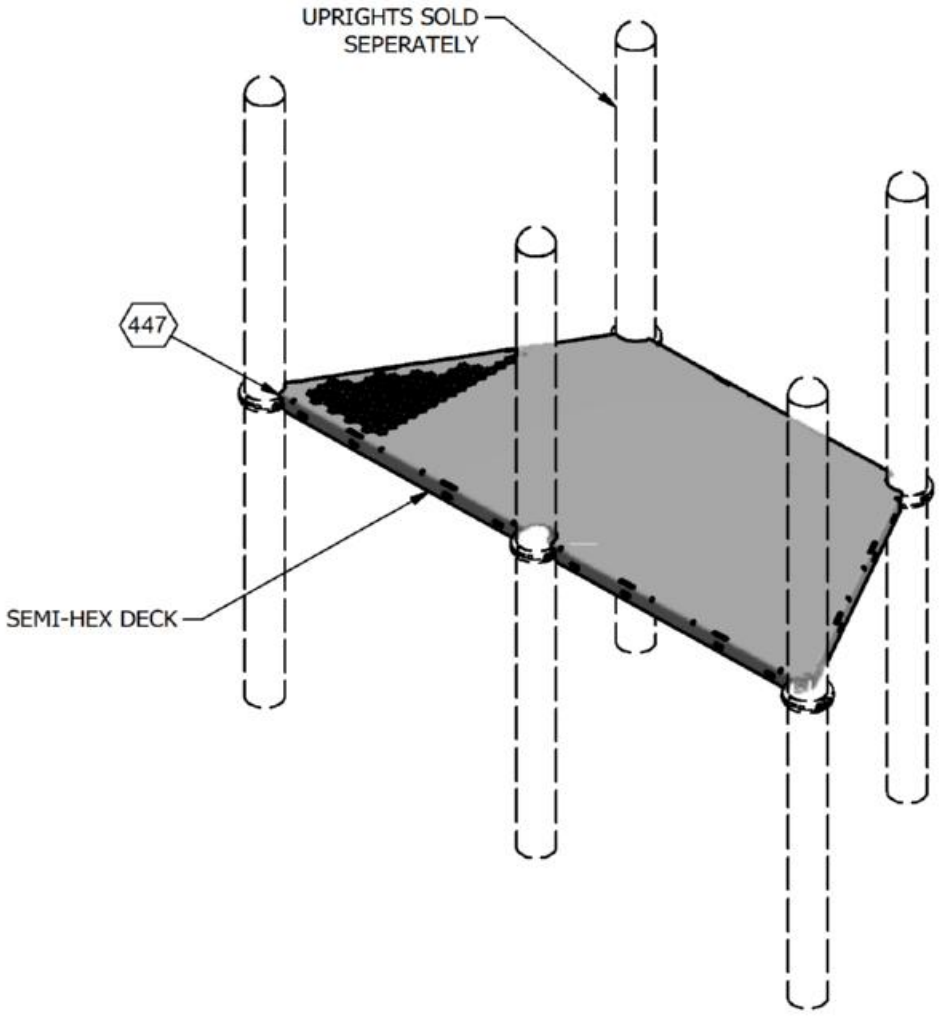
6. When all decks are completed and correct, pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow curing at least 48 hours before use.

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

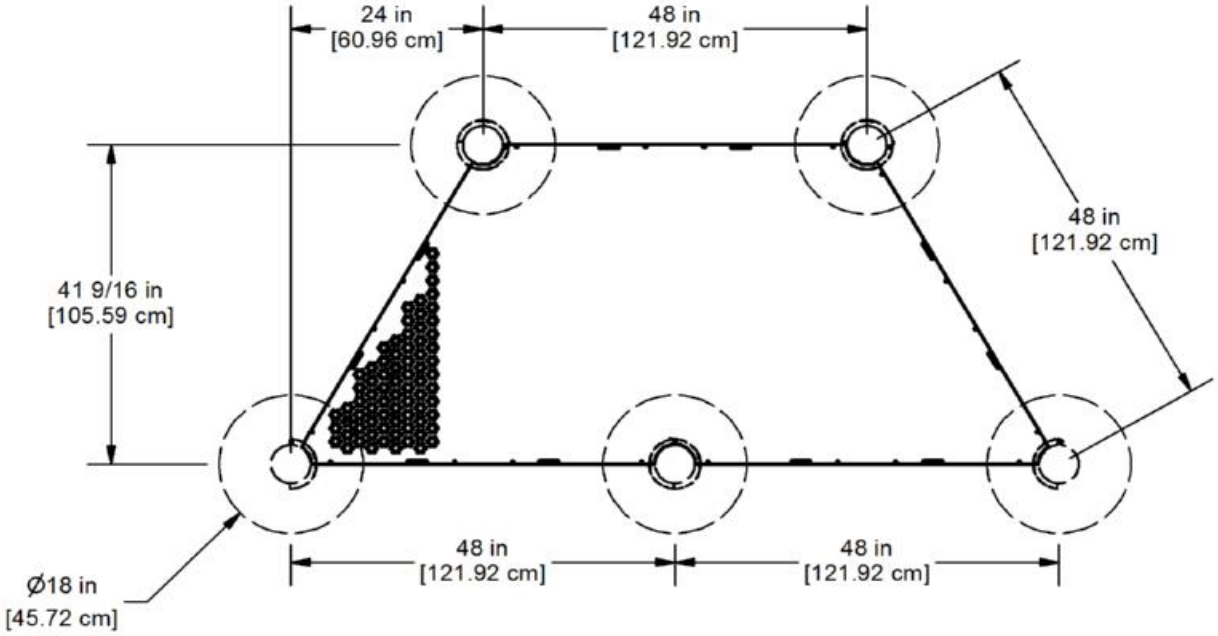
Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer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

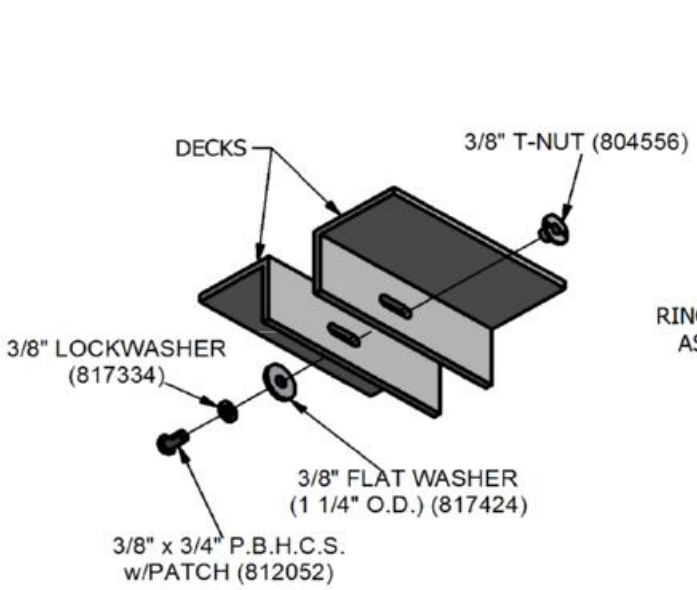


FINISHED ASSEMBLY

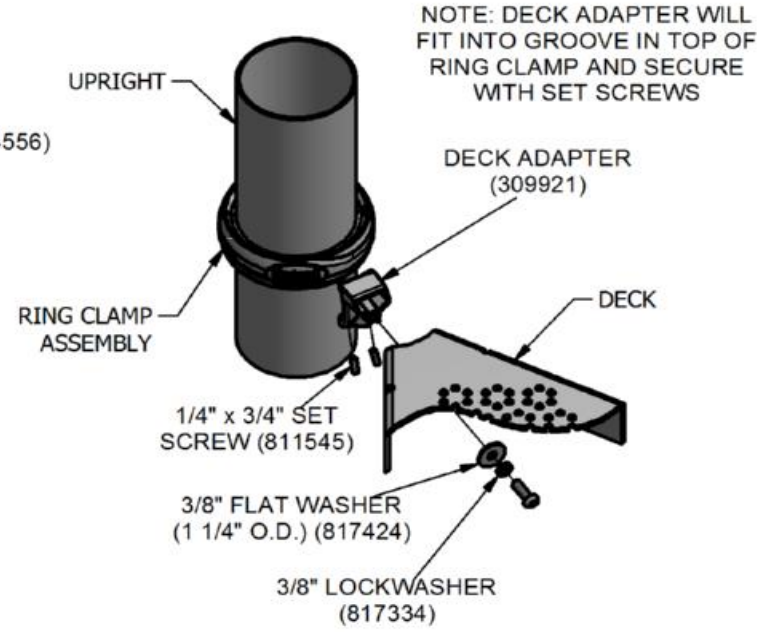
71003 Semi-Hex Deck



71003 Semi-Hex Deck



061



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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*

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. 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.

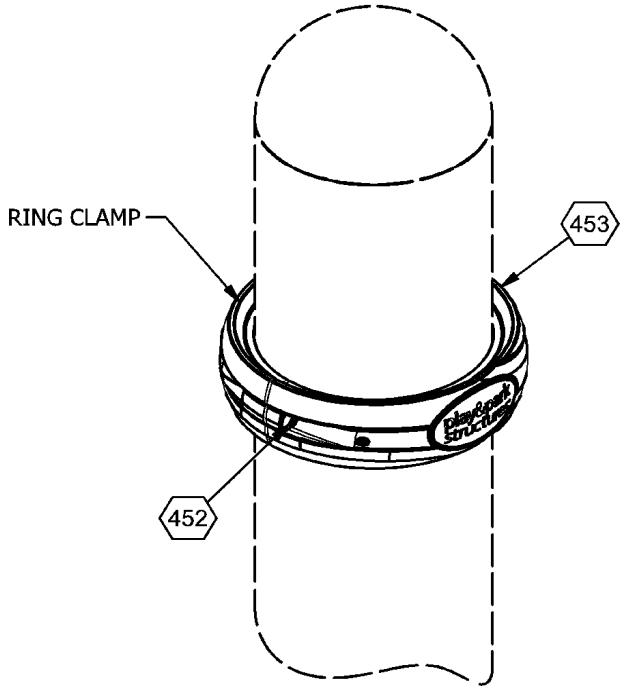
3. Install required components to the attaching to the Ring Clamp. See Top View and Seperate component installation sheets.

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

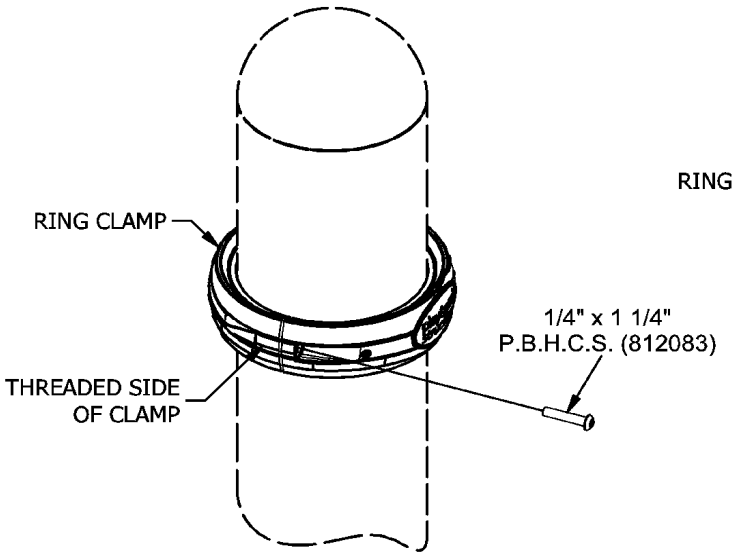
UPRIGHT AND CAP
SOLD SEPERATELY



FINISHED ASSEMBLY

⬡ = INSTALLATION DETAIL

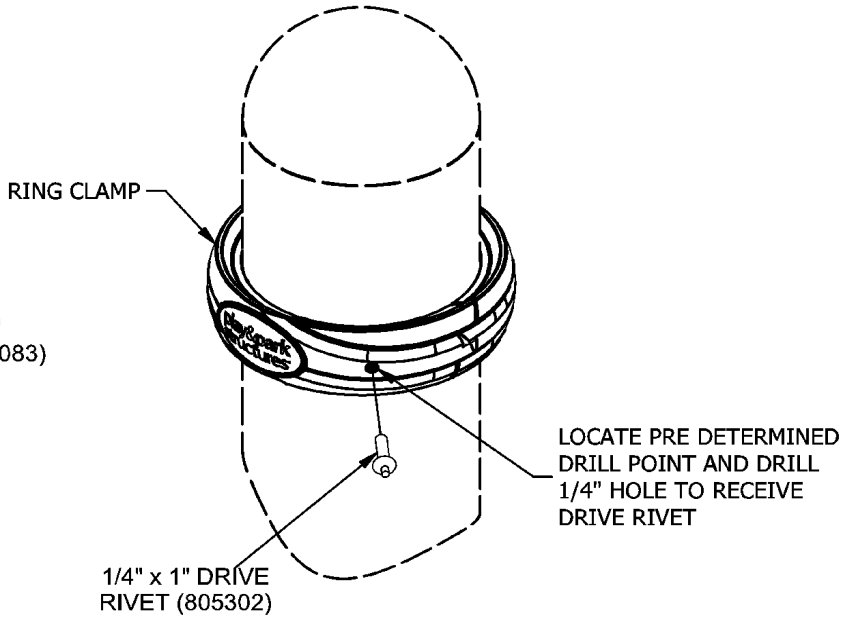
71031 RING CLAMP ASSEMBLY



NOTE: THE USE OF LOCTITE IS IMPORTANT.

IMPORTANT: ORIENTATION OF BOLT IS CRITICAL.

452



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SuperMax Play Systems

71038 TRIPLE ACTIVITY PANEL
71039 TRIPLE ACTIVITY PANEL (BELOW DECK)

Parts List -for- 71038			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	ACTIVITY PANEL	1	310005
2	PANEL ADAPTER	2	309919
3	SUPPORT PIPE	2	307586
	-----HARDWARE COMPLETE-----	1	310006
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	812056
	3/8" x 1" P.B.H.C.S. w/PATCH	2	812050
	3/8" FLAT WASHER (1 1/4" O.D.)	6	817424
	3/8" BARREL NUT	2	804804
	3/8" LOCK NUT	2	804353
	1/4" x 3/4" SET SCREW	4	811545

Parts List -for- 71039			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	ACTIVITY PANEL	1	310005
2	PANEL ADAPTER	2	309919
4	VERTICAL ADAPTER	2	309917
5	TAB	2	310004
	-----HARDWARE COMPLETE-----	1	310007
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	812056
	3/8" x 1" P.B.H.C.S. w/PATCH	4	812050
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424
	3/8" LOCKWASHER	4	817334
	3/8" BARREL NUT	4	804804
	1/4" x 3/4" SET SCREW	8	811545

Unless Otherwise Specified, All Units of Measure are Each
Items listed below Hardware Complete line are included with Hardware Complete Number

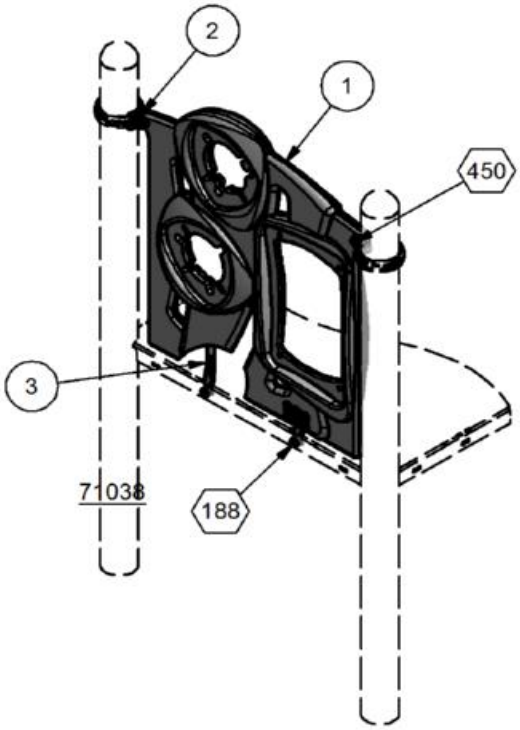
Warning: During Installation, Hardware And Small Parts Are Choking Hazards
For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed.
Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment
And Dispose/Save Them In A Secure Location.
Note: Peen Tee-Nuts and 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:

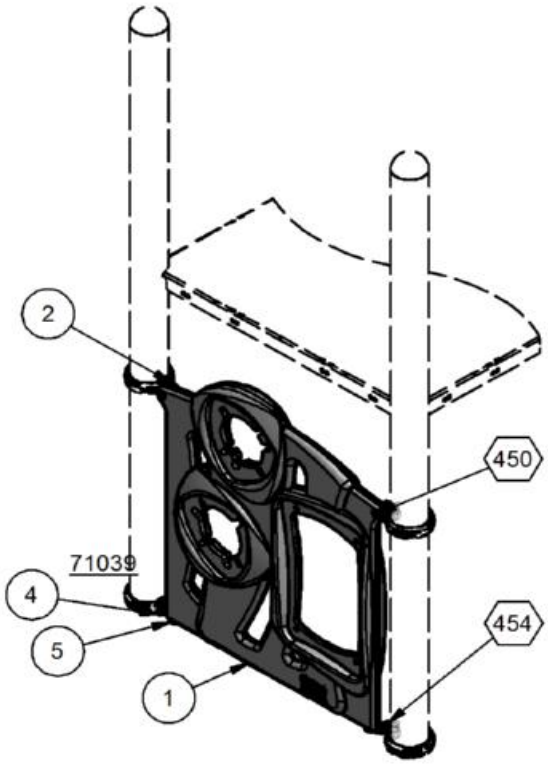
1. Locate the deck openings where the Activity Panel is going to be installed. Refer to Top View.
2. **For 71038:**
   Insert the (2) Smashed Pipes through the deck slots and attach using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 ¼" O.D.) and 3/8" Lock Nut as shown in Detail 188. ***Note***: Pipes are smashed to one side. Refer to Detail for orientation. Attach two Ring Clamps to the Uprights. (See Ring Clamp Installation sheet). Attach the two Panel Adapters to Ring Clamps with 1/4" set screws. See Detail 450. Slide the Barrier Panel over the smashed pipes and attach to the Panel Adapters using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1-1/4" O.D.) and 3/8" Barrel Nut. Refer to Detail 450.
   NOTE: To eliminate possible clamp conflict, the smashed pipe is designed to allow the Panel to move up one clamp height. Opening between Panel and Deck must not be greater than 3".
3. **For 71039:**
   Attach Ring Clamps to uprights. See Ring Clamp Installation sheet.Refer to Elevation Views for locations. Attach Panel and Vertical Adapters to Ring Clamps. See Detail 450 and 454. Attach Tabs to the bottom of the Barrier Panel using 3/8" x 1" P.B.H.C.S. w/Patch and 3/8" Lockwasher a shown in Detail 454.
   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.
   Attach Tabs to Vertical Adapters using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Lockwasher and 3/8" Barrel Nut as shown in Detail 454. Attach top of Barrier Panel to Panel Adapter using 3/8" x 2 1/4" 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 450.
4. Plumb and level the entire assembly.
5. 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 Pipe 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.

71038 TRIPLE ACTIVITY PANEL
71039 TRIPLE ACTIVITY PANEL (BELOW DECK)

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.



DECKS AND POSTS
SOLD SEPERATELY



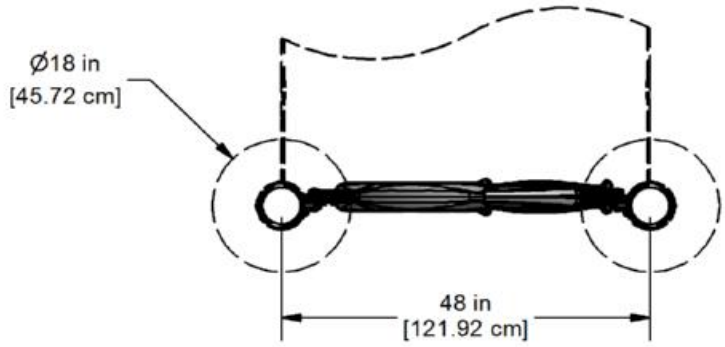
IMPORTANT: ALL OPENINGS ON PANEL MUST BE FILLED WITH AN ACTIVITY BEFORE PLAYGROUND IS OPERATIONAL.

NOTE:
-FOR SMALL ACTIVITIES SEE INSTALLATION SHEET 7200.
-FOR LARGE ACTIVITIES SEE INSTALLATION SHEET 7300.

⬡ = INSTALLATION DETAIL

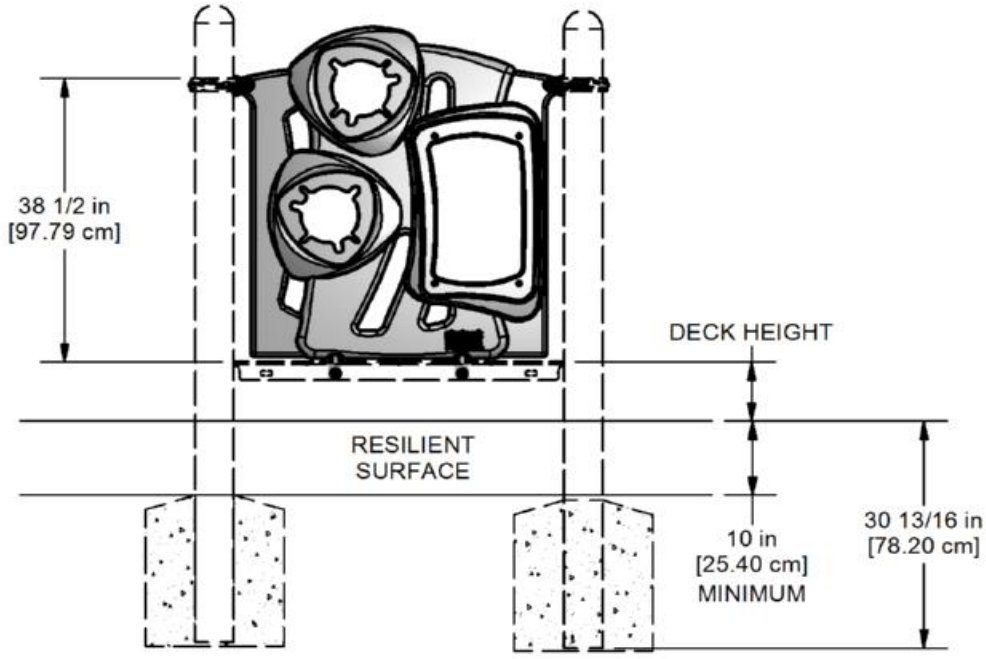
FINISHED ASSEMBLIES

71038 TRIPLE ACTIVITY PANEL
71039 TRIPLE ACTIVITY PANEL (BELOW DECK)



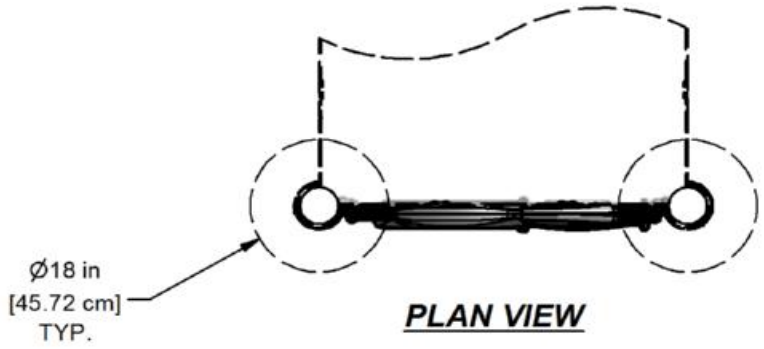
PLAN VIEW

71038 SHOWN

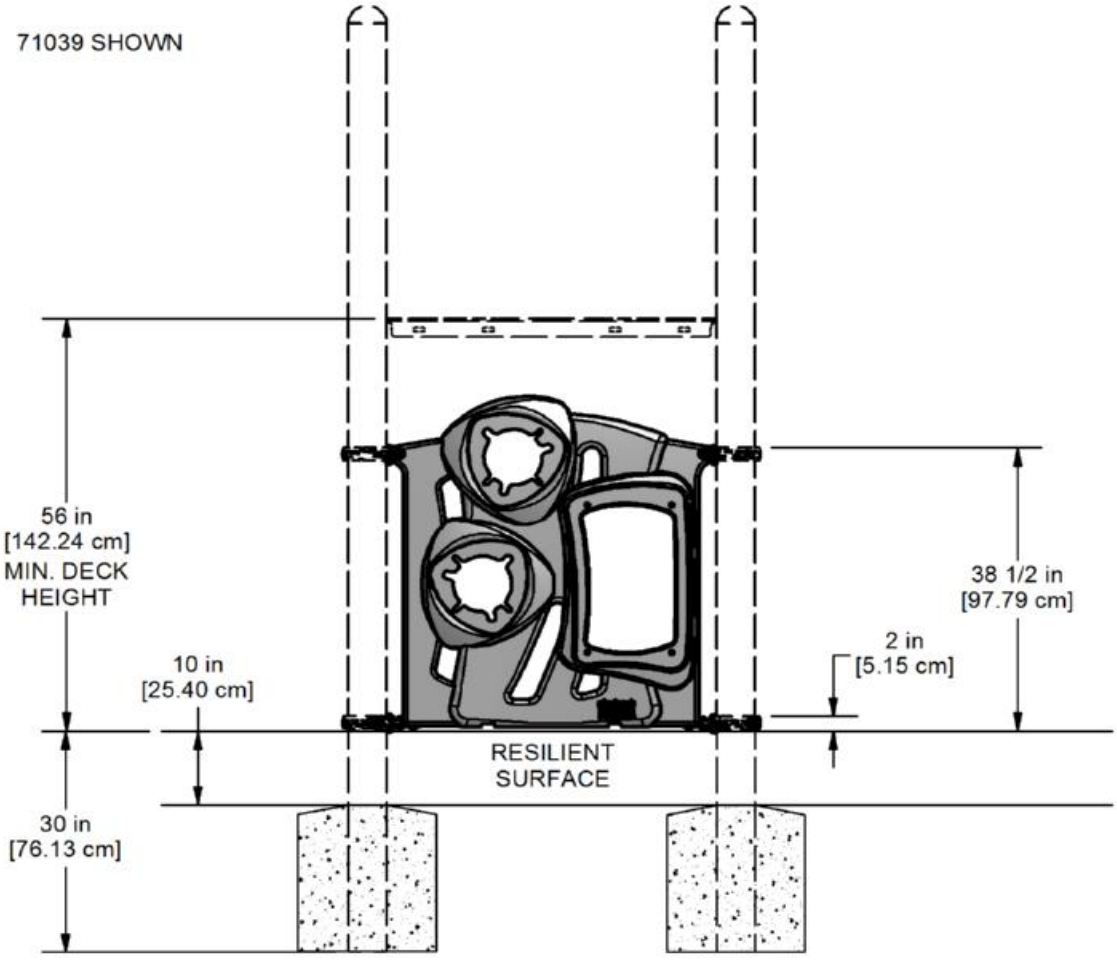


ELEVATION VIEW

71038 TRIPLE ACTIVITY PANEL
71039 TRIPLE ACTIVITY PANEL (BELOW DECK)

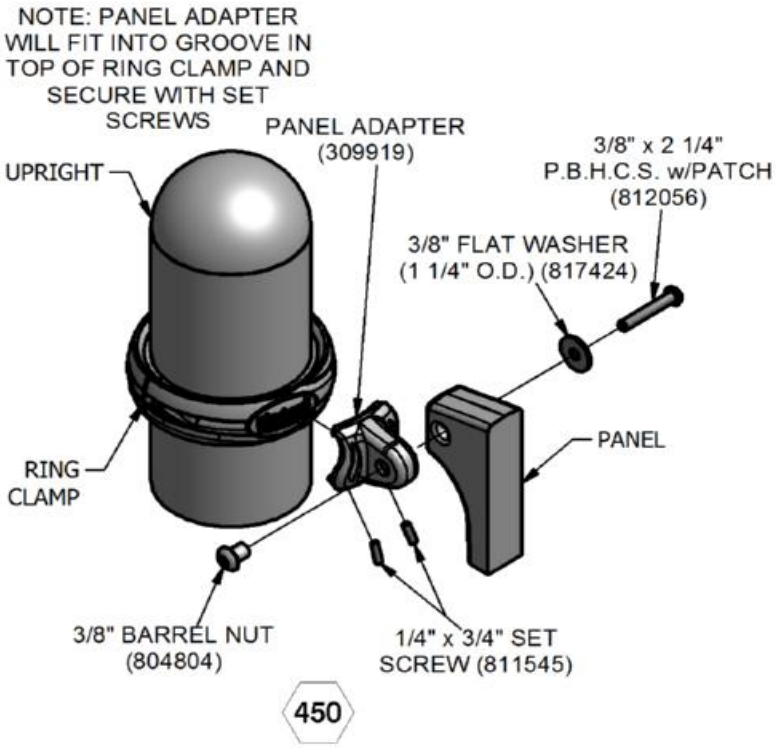


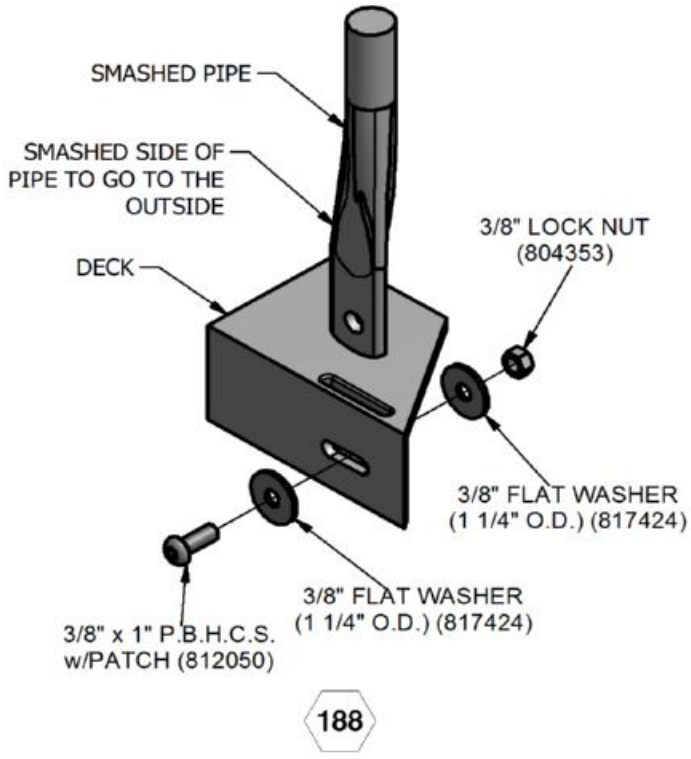
PLAN VIEW

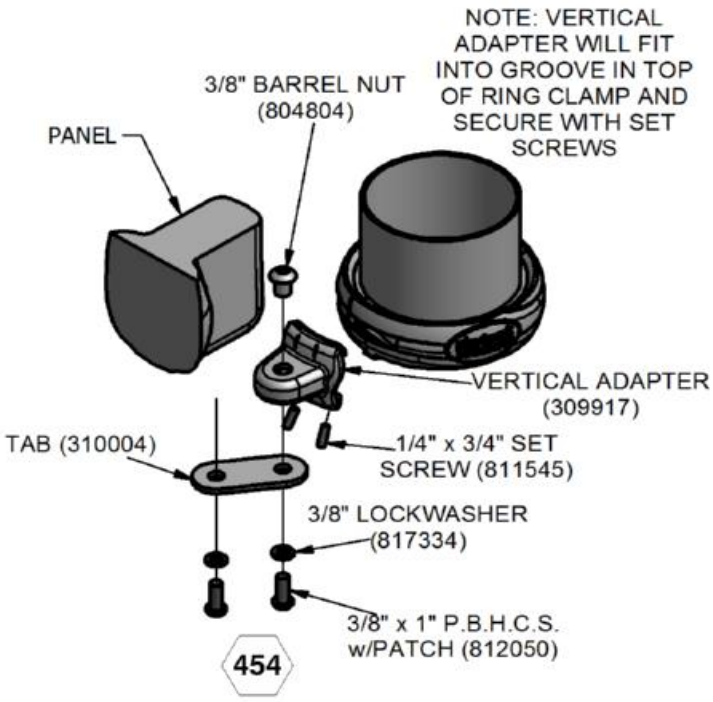


ELEVATION VIEW

71038 TRIPLE ACTIVITY PANEL
71039 TRIPLE ACTIVITY PANEL (BELOW DECK)







Issued/Revised: 5/20/2010

SuperMax Play Systems

Coil Climber 71071 (2'-8"); 71072 (3'-4"); 71073 (4'-0"); 71074 (4'-8"); 71075 (5'-4"); 71076 (6'-0"); 71077 (7'-4"); 71078 (8'-0")

Parts List										
ITEM	DESCRIPTION	71071	71072	71073	71074	71075	71076	71077	71078	PART NUMBER
1	VERTICAL POLE BARRIER	1	1	1	1	1	1	1	1	309963
2	COIL CLIMBER	1	0	0	0	0	0	0	0	306040
2	COIL CLIMBER	0	1	0	0	0	0	0	0	306135
2	COIL CLIMBER	0	0	1	0	0	0	0	0	306137
2	COIL CLIMBER	0	0	0	1	0	0	0	0	306128
2	COIL CLIMBER	0	0	0	0	1	0	0	0	306131
2	COIL CLIMBER	0	0	0	0	0	1	0	0	306096
2	COIL CLIMBER	0	0	0	0	0	0	1	0	307655
2	COIL CLIMBER	0	0	0	0	0	0	0	1	307658
3	PIPE ADAPTER	2	2	2	2	2	2	2	2	309915
	-----HARDWARE COMPLETE-----	1	1	1	1	1	1	0	0	310019
	-----HARDWARE COMPLETE-----	0	0	0	0	0	0	1	1	310020
4	8" EXTENSION	0	0	0	0	0	0	1	1	307623
	1/4" x 3/4" SET SCREW	4	4	4	4	4	4	4	4	811545
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	2	2	812052
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	1	1	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	2	2	812054
	3/8" x 2 1/2" HEX HEAD BOLT	0	0	0	0	0	0	1	1	801009
	3/8" FLAT WASHER	3	3	3	3	3	3	3	3	817410
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	4	4	4	4	4	4	817424
	3/8" LOCK WASHER	2	2	2	2	2	2	3	3	817334
	3/8" BARREL NUT	3	3	3	3	3	3	3	3	804804
	3/8" LOCK NUT	2	2	2	2	2	2	2	2	804353
	3/8" HEX NUT	0	0	0	0	0	0	1	1	804053

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 Coil 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.

Coil Climber 71071 (2'-8"); 71072 (3'-4"); 71073 (4'-0"); 71074 (4'-8"); 71075 (5'-4"); 71076 (6'-0"); 71077 (7'-4"); 71078 (8'-0")

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 pipes, then move Vertical Pole Barrier into position. Hook the Pipe Adapters onto the Ring Clamps and attach using 1/4" x 3/4" Set Screws. 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.

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 Coil 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. 7'-4" & 8'-0" Coil Climbers (71077 & 71078) require an 8" extension. Attach extension using 3/8" x 2 1/2" Hex Head Bolt, 3/8" Lock Washer, and 3/8" Hex Nut as shown in Detail 095.

7. When the Coil 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.

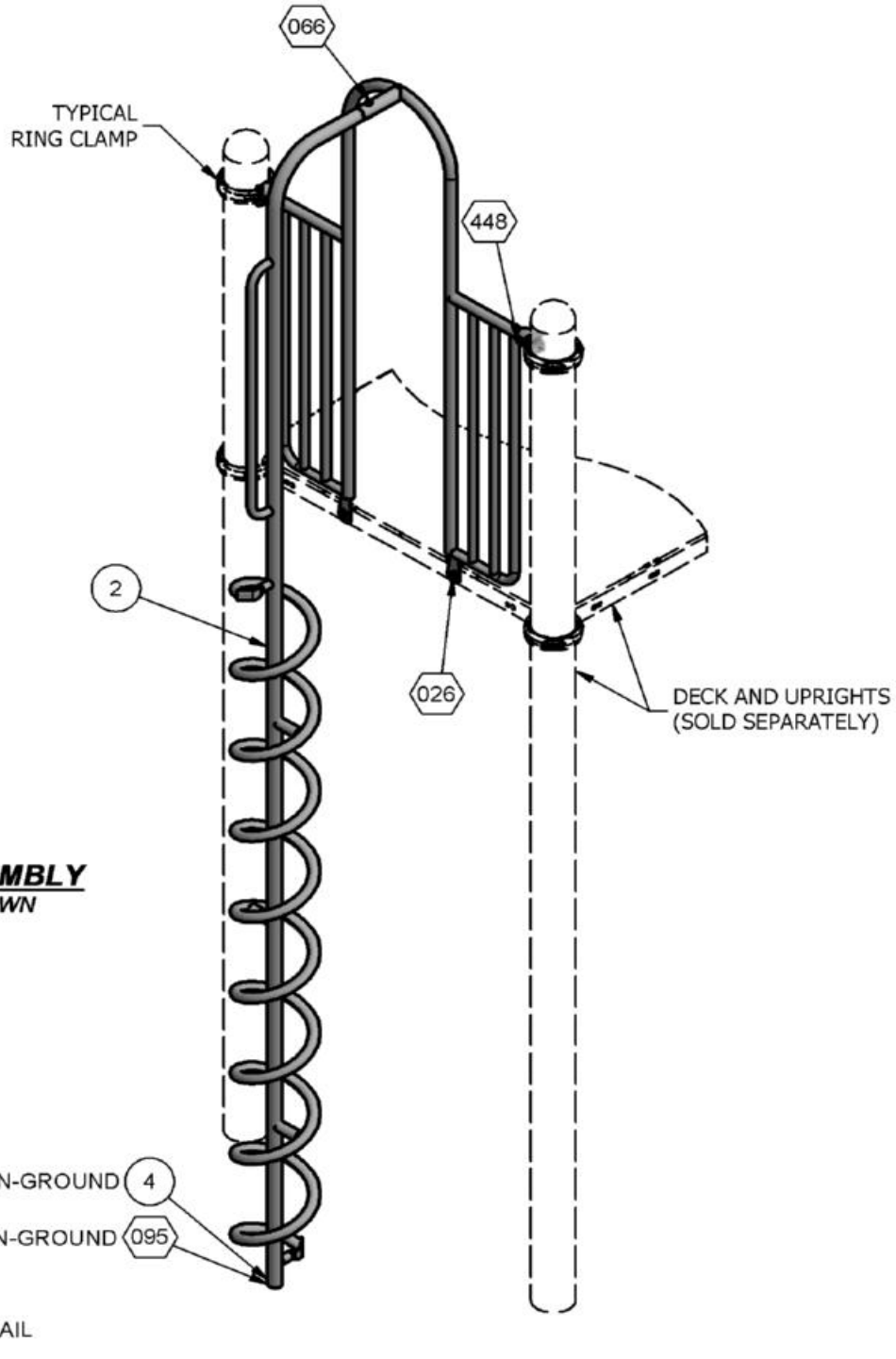
8. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support 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, 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.

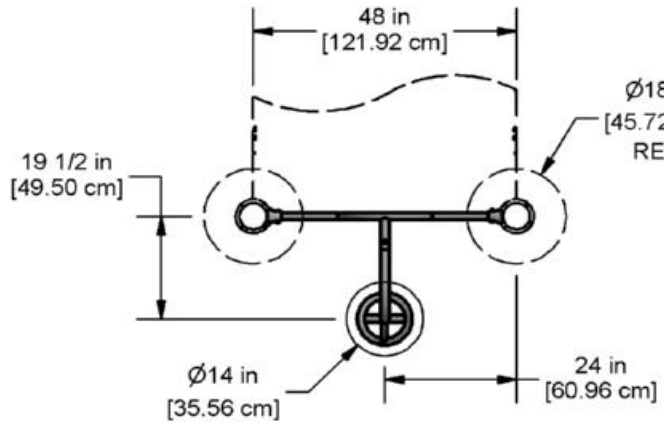
Coil Climber 71071 (2'-8"); 71072 (3'-4"); 71073 (4'-0"); 71074 (4'-8"); 71075 (5'-4"); 71076 (6'-0"); 71077 (7'-4"); 71078 (8'-0")



FINISHED ASSEMBLY
71078 - 8'-0" SHOWN

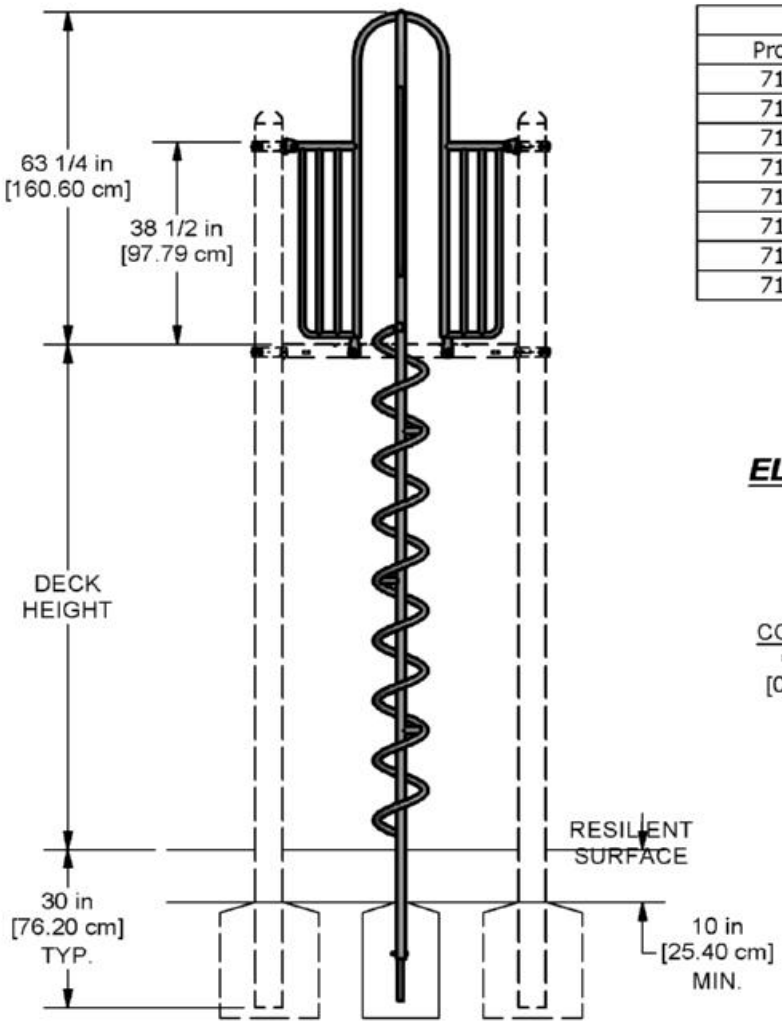
⬡ = INSTALLATION DETAIL

Coil Climber 71071 (2'-8"); 71072 (3'-4"); 71073 (4'-0"); 71074 (4'-8"); 71075 (5'-4"); 71076 (6'-0"); 71077 (7'-4"); 71078 (8'-0")



PLAN VIEW

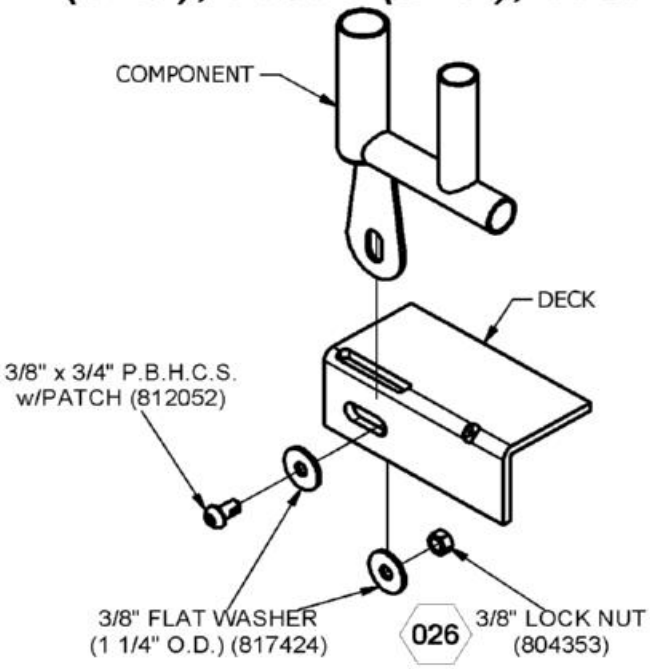
Deck Height Table	
Product	Deck Height
71071	2'-8"
71072	3'-4"
71073	4'-0"
71074	4'-8"
71075	5'-4"
71076	6'-0"
71077	7'-4"
71078	8'-0"



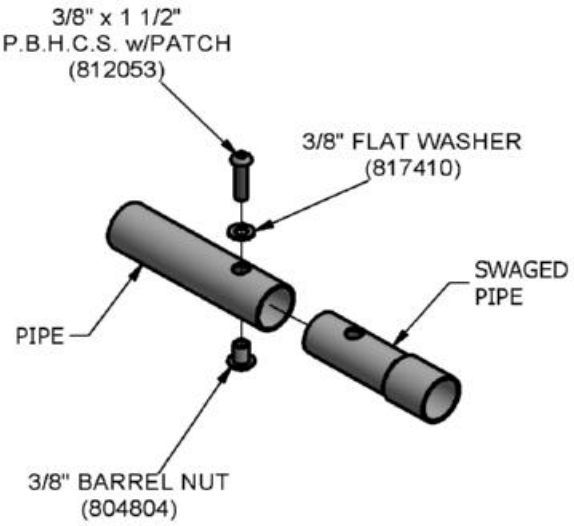
ELEVATION VIEW

CONCRETE REQUIRED
0.07 CUBIC YARDS
[0.05 CUBIC METERS]

Coil Climber 71071 (2'-8"); 71072 (3'-4"); 71073 (4'-0"); 71074 (4'-8"); 71075 (5'-4"); 71076 (6'-0"); 71077 (7'-4"); 71078 (8'-0")

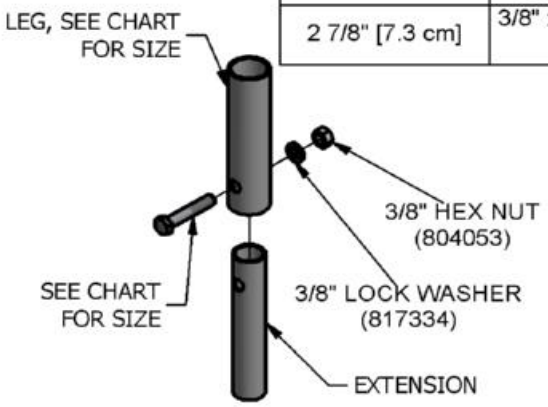


026

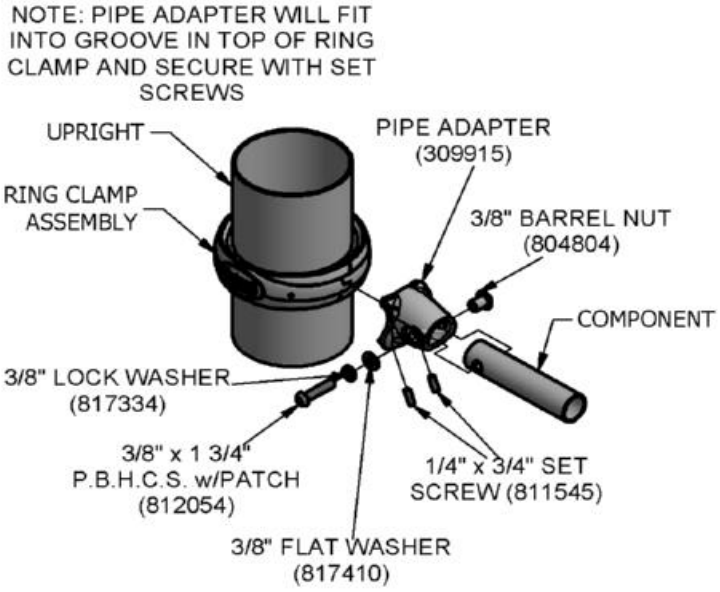


066

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)



095



448

SuperMax Play Systems

71152 Paddle Ball Panel

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	PADDLE BALL PANEL ASSEMBLY	1	310164
2	PANEL ADAPTER	4	309919
	-----HARDWARE COMPLETE-----	1	310156
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	4	812053
	3/8" BARREL NUT	4	804804
	3/8" FLAT WASHER	4	817410
	1/4" x 3/4" SET SCREW	8	811545
66	1/2" LOCKWASHER	2	817342

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. Attach Ring Clamps at required locations as shown in Elevation View. See Ring Clamp Installation Sheet.
2. Attach Paddle Ball Panel assembly to the Ring Clamps. See Detail 467.

Note: Panels should be positioned so that the top of each panel is at least 38" above the deck surface. If a conflict exists between a panel clamp and an adjacent component's clamp, adjust the panel upward (Never lower than 38" above deck) without exceeding a maximum gap of 3-1/2" between the lower end of the panel and the top edge of the deck.

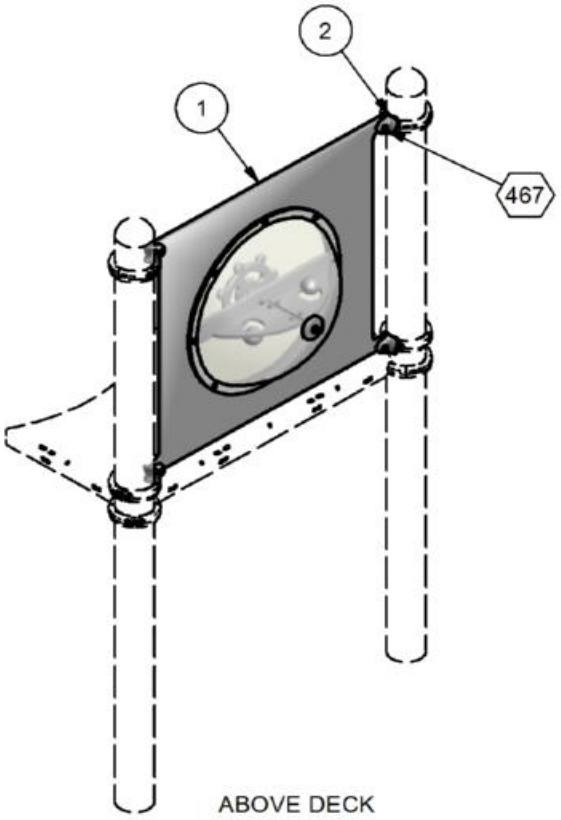
IMPORTANT! Avoid creating any Gaps between the components, which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points, which can trap a child and cause injury.

When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Panel Clamps 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.

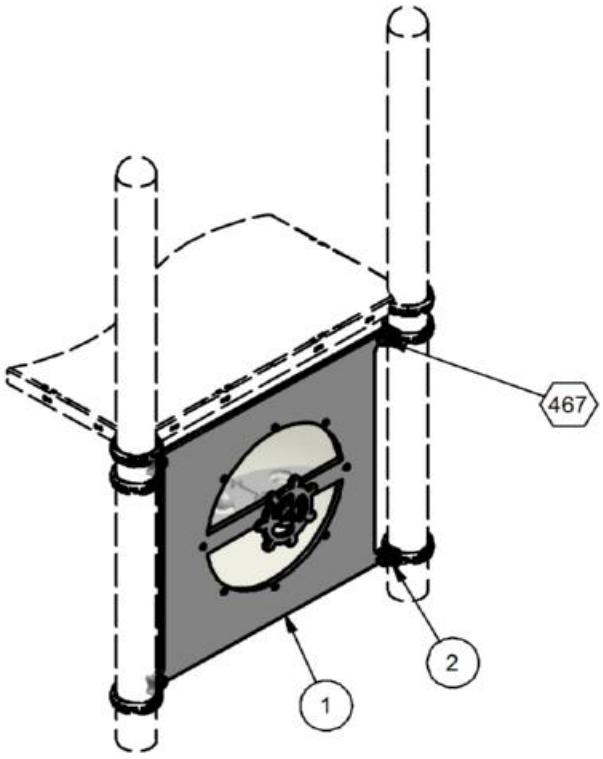
MAINTENANCE PROCEDURE:

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.

71152 Paddle Ball Panel



ABOVE DECK

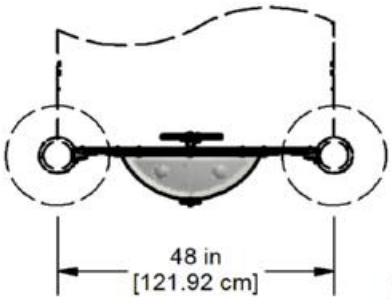


FINISHED ASSEMBLY

BELOW DECK

⬡ = INSTALLATION DETAIL

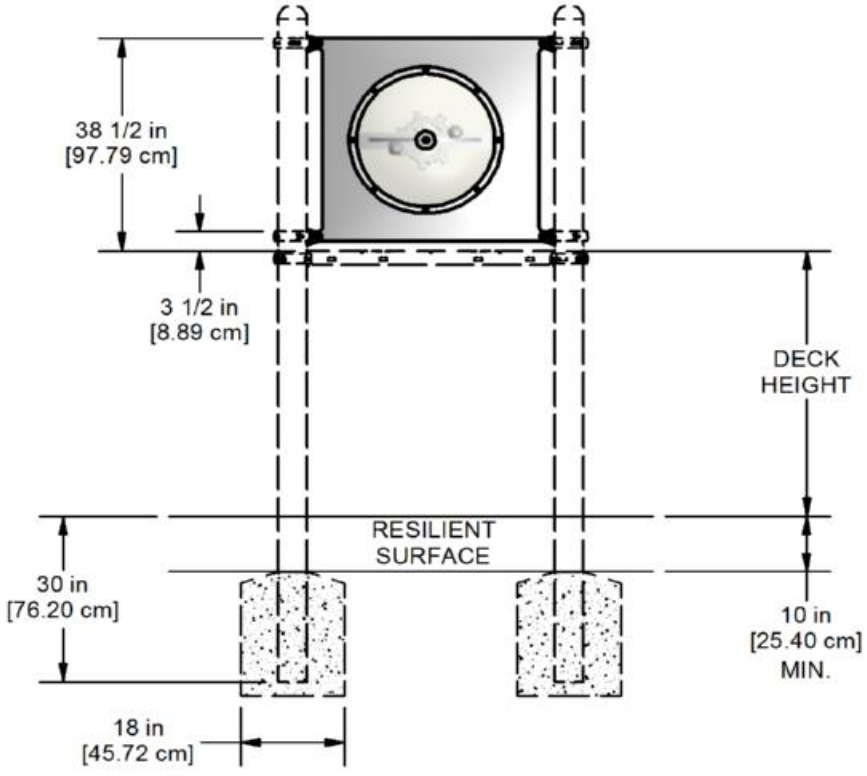
71152 Paddle Ball Panel



PLAN VIEW

NOTE:
TOP EDGE OF PANEL MUST BE 38" [965mm] OR GREATER ABOVE ELEVATED PATFORM SURFACE FOR USE BY 5-12 YEAR OLDS.

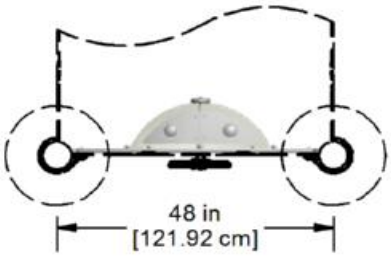
TOP EDGE OF PANEL MUST BE 29"[736mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 2-5 YEAR OLDS.



ELEVATION VIEW

ABOVE DECK
SHOWN

71152 Paddle Ball Panel

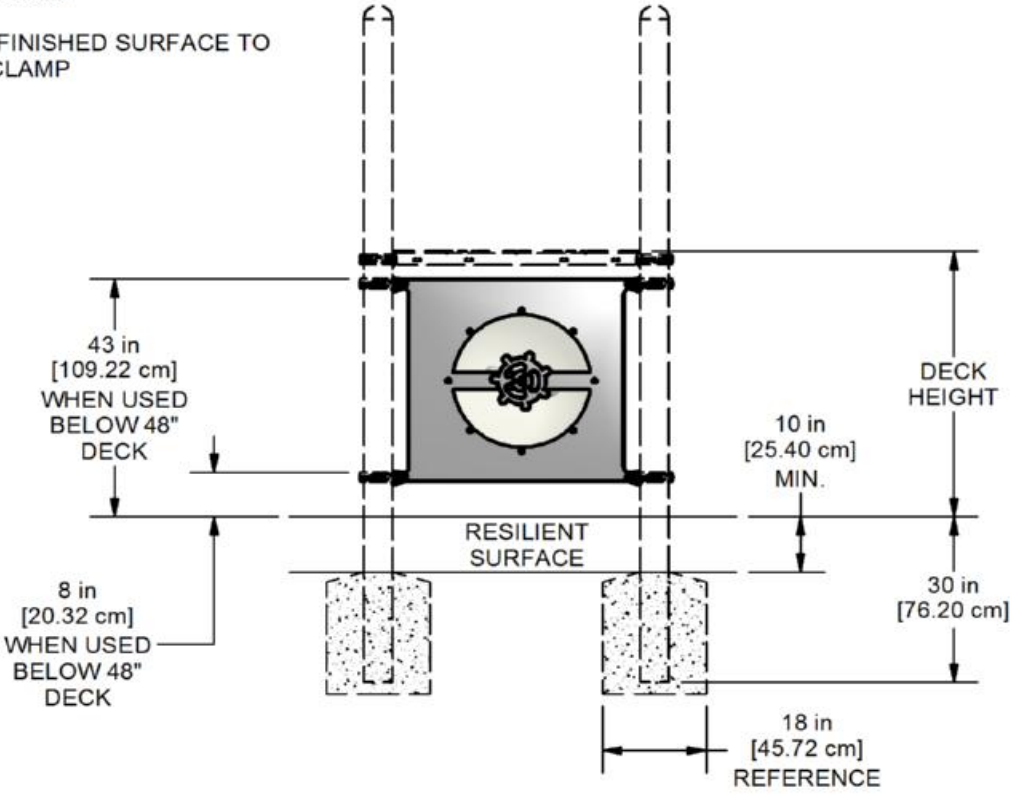


PLAN VIEW

CLAMP HEIGHT LOCATIONS WHEN USED UNDER ANY DECK HEIGHT EXCEPT 48" SHALL BE:

3 1/2" [8.89cm] FINISHED SURFACE TO TOP OF LOWER CLAMP

38 1/2" [97.79cm] FINISHED SURFACE TO TOP OF UPPER CLAMP



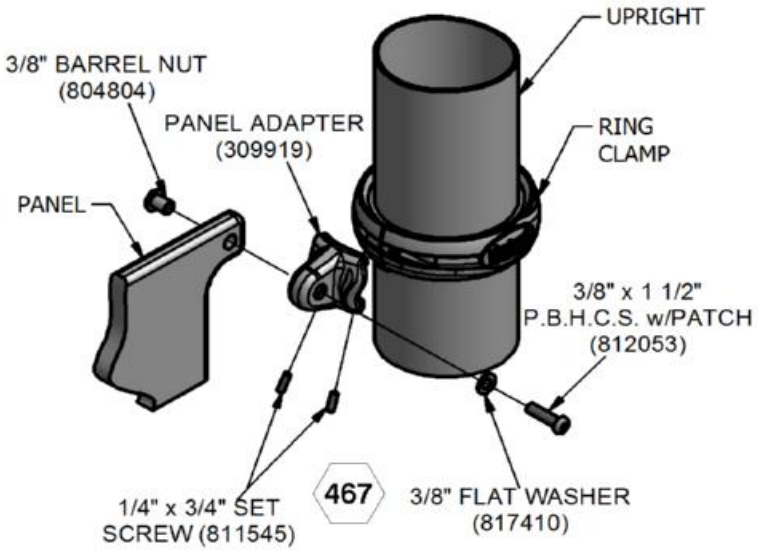
ELEVATION VIEW

BELOW DECK
SHOWN

71152 Paddle Ball 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.



SuperMax Play Systems

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

71153 Racing Game Panel

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	RACING GAME PANEL	1	310182
2	COVER PLATE	4	300495
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	310181
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	812058
	3/8" x 2" P.B.H.C.S. w/PATCH	4	812055
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	4	812053
	3/8" FLAT WASHER	14	817410
	3/8" BARREL NUT	10	804804
	1/2" I.D. BRONZE BUSHING	2	102820
	1/4" x 3/4" SET SCREW	8	811545

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. Insert Rung into Math Block making sure braille is at the bottom and place into slot in panel as shown in Detail 474.
2. Attaching Bracing Panels to secure rung in panel as shown in Detail 474.
3. Attach Round Panels as shown in Detail 473.
4. Attach Ring Clamps at locations shown in Elevation Views. See Ring Clamp Installation Sheet.
5. Attach Panel to Ring Clamps using Panel Adapter as shown in Detail 467.

Note: Panels should be positioned so that the top of each panel is at least 38" above the deck surface. If a conflict exists between a panel clamp and an adjacent component's clamp, adjust the panel upward (Never lower than 38" above deck) without exceeding a maximum gap of 3-1/2" between the lower end of the panel and the top edge of the deck.

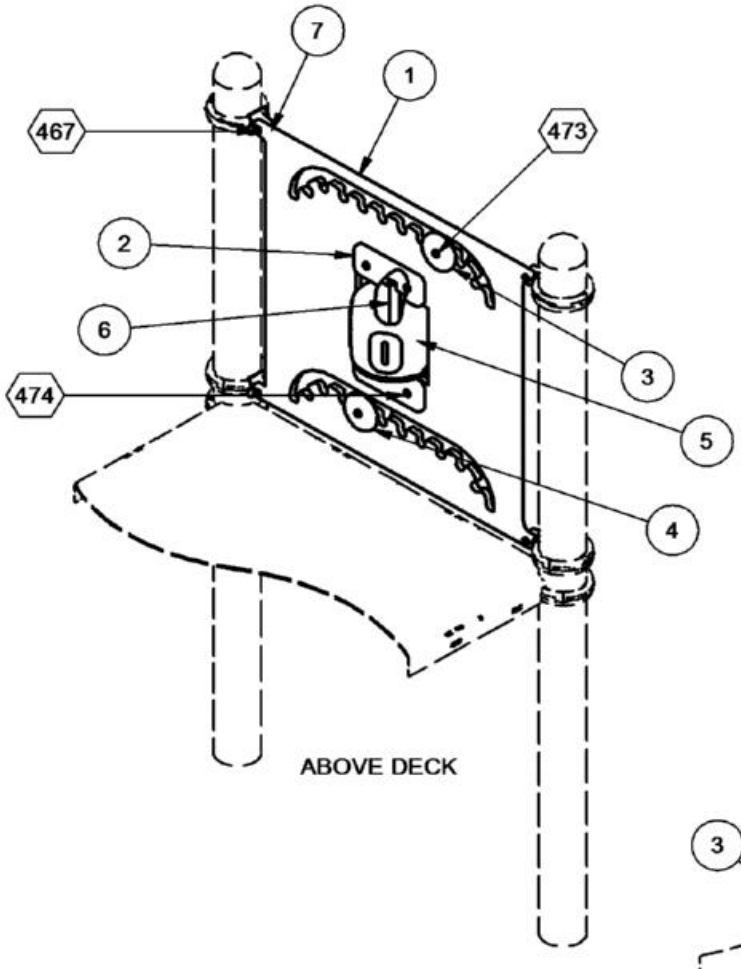
IMPORTANT! Avoid creating any Gaps between the components, which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points, which can trap a child and cause injury.

When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Panel Clamps 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.

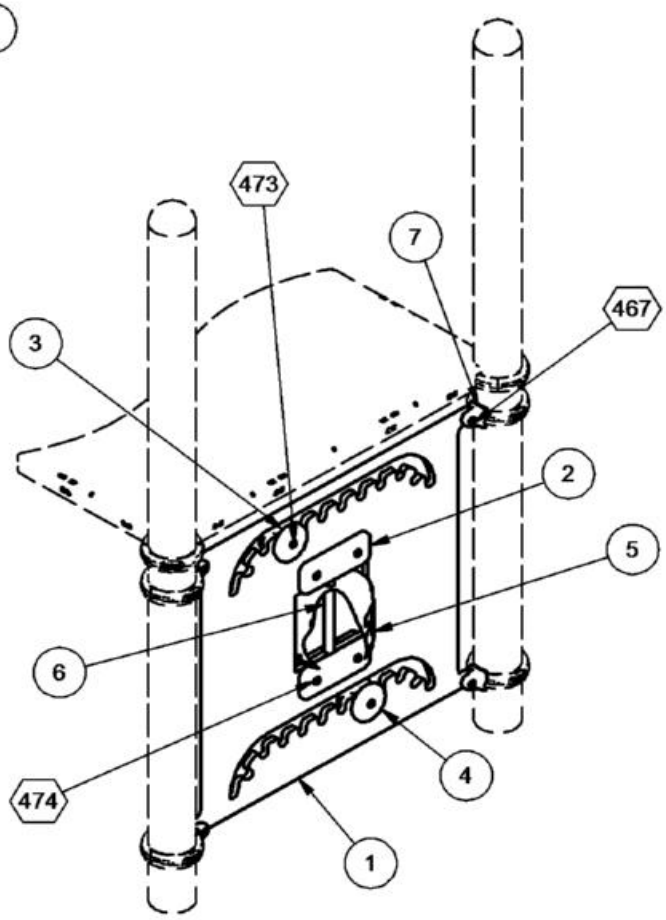
MAINTENANCE PROCEDURE:

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.

71153 Racing Game Panel



ABOVE DECK

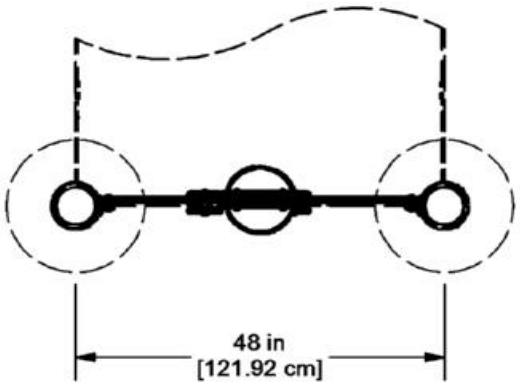


FINISHED ASSEMBLY

⬡ = INSTALLATION DETAIL

BELOW DECK

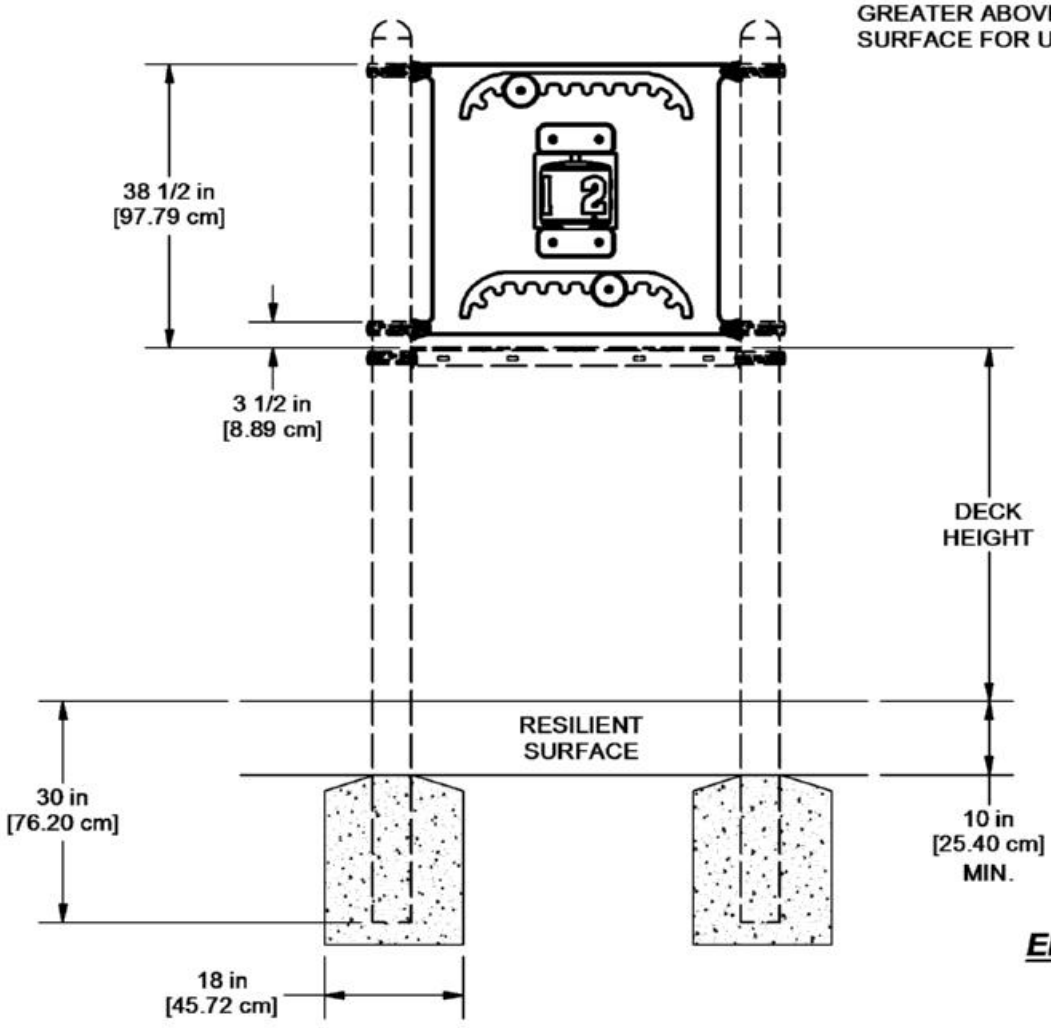
71153 Racing Game Panel



PLAN VIEW

NOTE:
TOP EDGE OF PANEL MUST BE 38" [965mm] OR GREATER ABOVE ELEVATED PATFORM SURFACE FOR USE BY 5-12 YEAR OLDS.

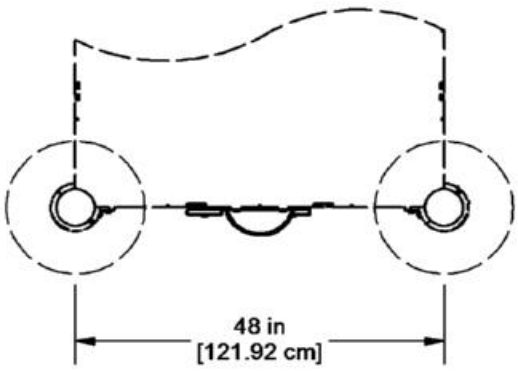
TOP EDGE OF PANEL MUST BE 29"[736mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 2-5 YEAR OLDS.



ELEVATION VIEW

ABOVE DECK
SHOWN

71153 Racing Game Panel

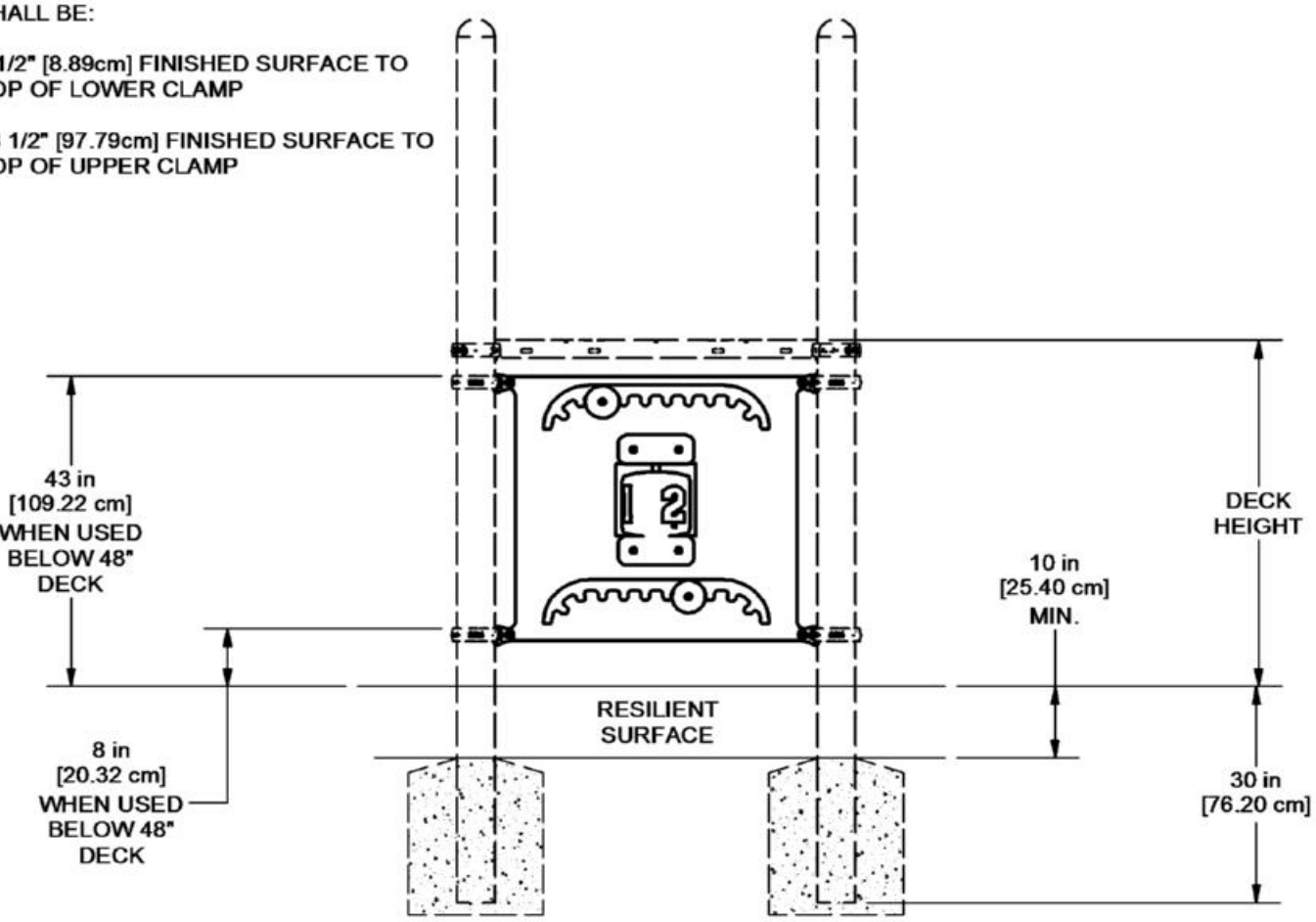


PLAN VIEW

CLAMP HEIGHT LOCATIONS WHEN USED UNDER ANY DECK HEIGHT EXCEPT 48" SHALL BE:

3 1/2" [8.89cm] FINISHED SURFACE TO TOP OF LOWER CLAMP

38 1/2" [97.79cm] FINISHED SURFACE TO TOP OF UPPER CLAMP



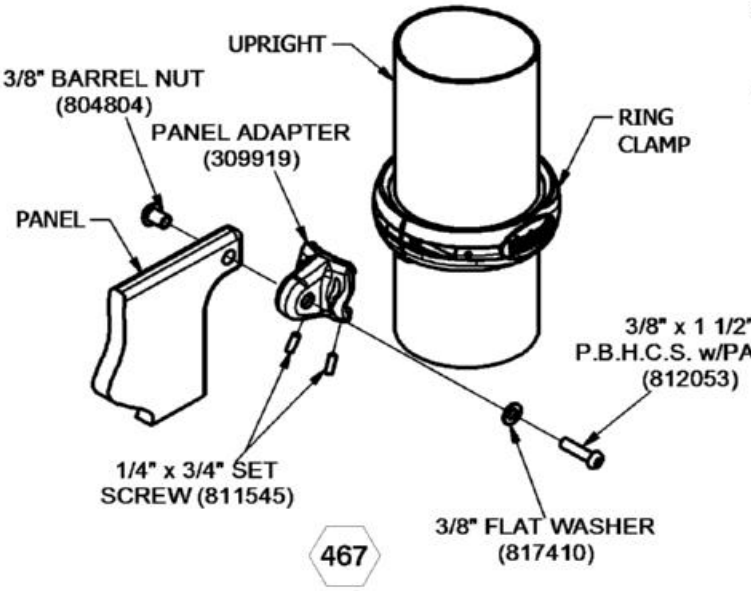
ELEVATION VIEW

BELOW DECK
SHOWN

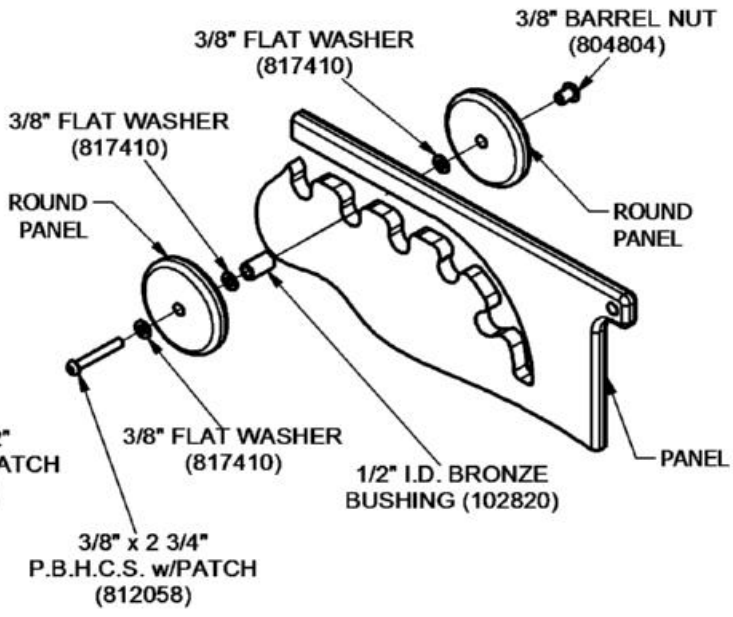
71153 Racing Game Panel

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

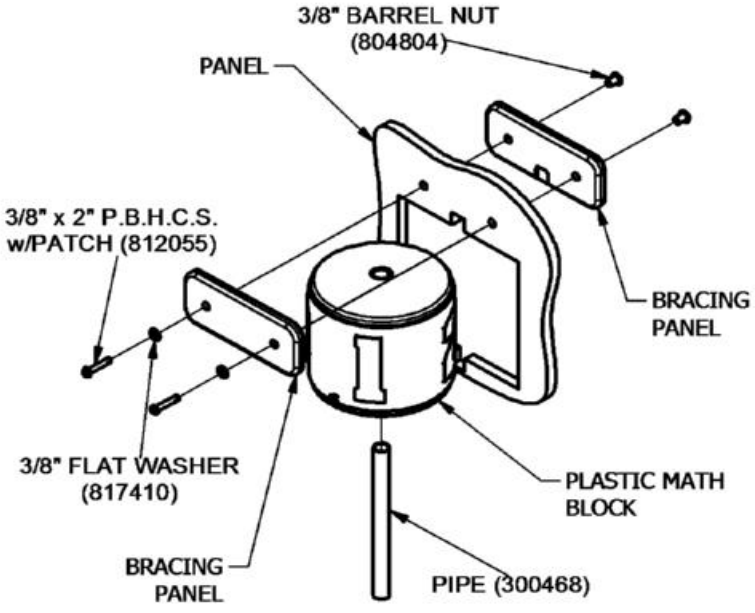
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.



467



473



474

SuperMax Play Systems

12' Horizontal Loop Ladder - Attachment
71181 (0'-8", 1'-0", & 1'-4"); 71182 (2'-0"); 71183 (2'-8")

Parts List					
ITEM	DESCRIPTION	71181	71182	71183	PART NUMBER
1	12' HORIZONTAL LOOP LADDER	1	1	1	310127
2	VERTICAL LADDER	1	0	0	310117
2	VERTICAL LADDER	0	1	0	310120
2	VERTICAL LADDER	0	0	1	310123
3	PIPE ADAPTER	6	6	6	309915
	------HARDWARE COMPLETE------	1	1	1	310125
	1/4" x 3/4" SET SCREW	12	12	12	811545
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	6	6	6	812054
	3/8" FLAT WASHER	6	6	6	817410
	3/8" LOCKWASHER	6	6	6	817334
	3/8" BARREL NUT	6	6	6	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.

INSTALLATION INSTRUCTIONS:

1. Determine which four uprights are to receive the 12' Horizontal Loop Ladder. Refer to your Top View drawing for location. Dig footings at location and depth as shown.

2. Mark positions of Ring Clamps on the Upright Posts at desired height. Maximum clamp height over the deck should be 59". 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 and 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. For 0'-8" or 1'-0" deck heights use 1'-4" Vertical Ladder and cut 8" off of legs for 0'-8" deck or cut 4" off of legs for 1'-0" deck height.

5. Slip Pipe Adapters over the 12' Horizontal Loop Ladder attachment pipes and attach 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.

6. Then, with sufficient manpower, lift the entire assembly into position and hook Pipe Adapters onto Ring Clamps and attach using 1/4" x 3/4" Set Screws as shown in Detail 448. Provide vertical support to prevent the Ring Clamps from sliding down the upright posts.

7. 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.

12' Horizontal Loop Ladder - Attachment
71181 (0'-8", 1'-0", & 1'-4"); 71182 (2'-0"); 71183 (2'-8")

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.

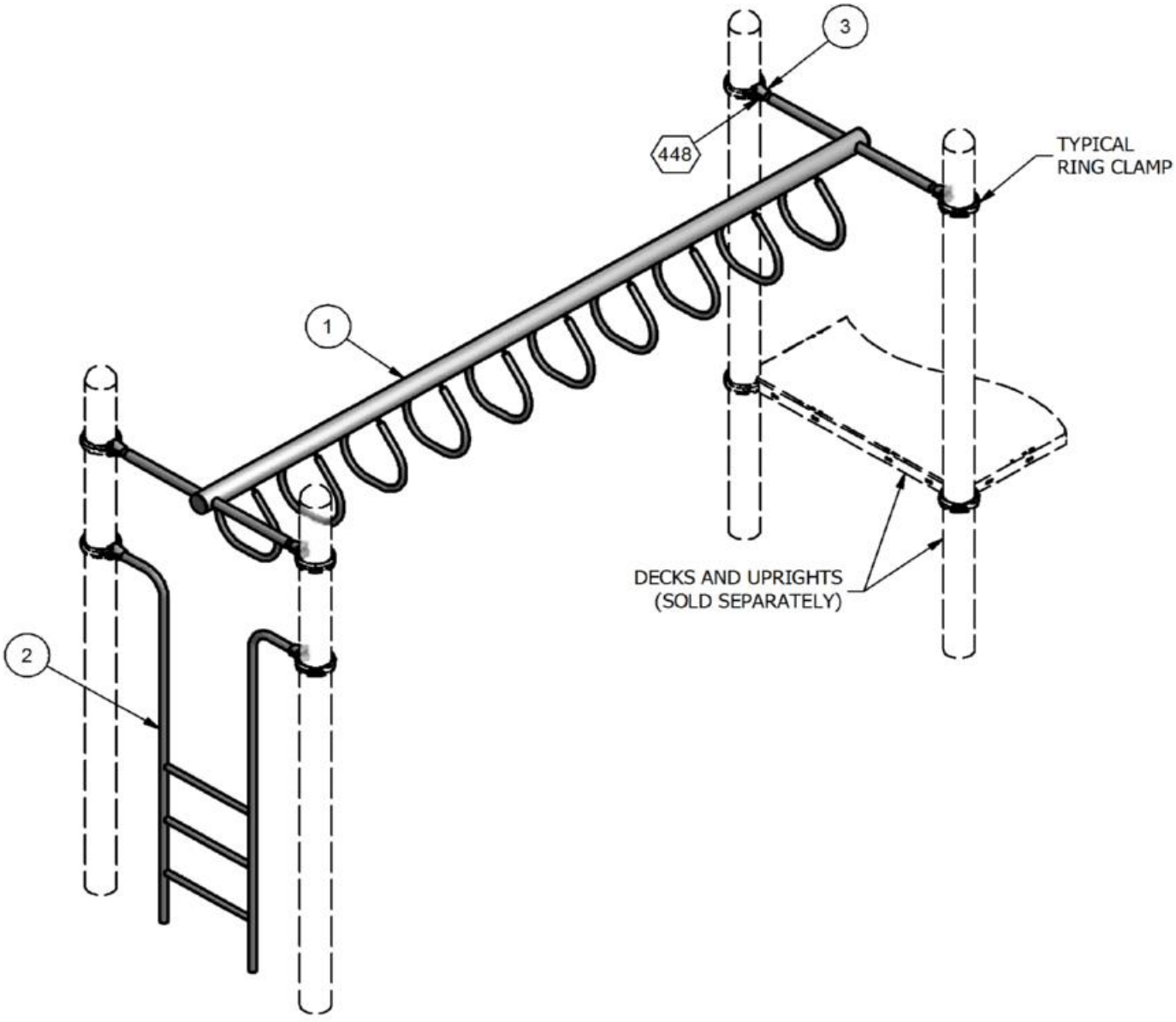
8. When structure is finished and satisfactory, tighten all fastener and install Drive Rivets in all clamps to ensure clamps cannot slide down the posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are 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 free 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.

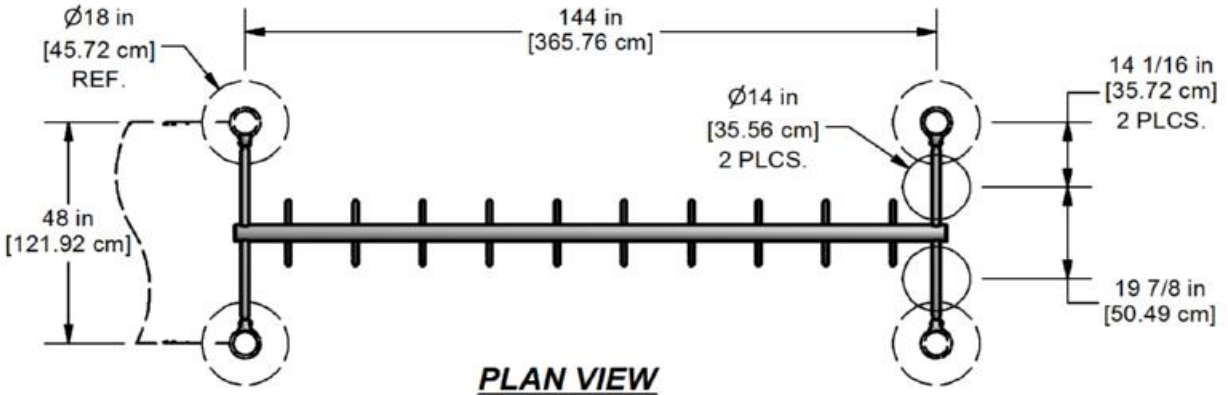
12' Horizontal Loop Ladder - Attachment
71181 (0'-8", 1'-0", & 1'-4"); 71182 (2'-0"); 71183 (2'-8")



⬡ = INSTALLATION DETAIL

FINISHED ASSEMBLY
71183 SHOWN

12' Horizontal Loop Ladder - Attachment
71181 (0'-8", 1'-0", & 1'-4"); 71182 (2'-0"); 71183 (2'-8")

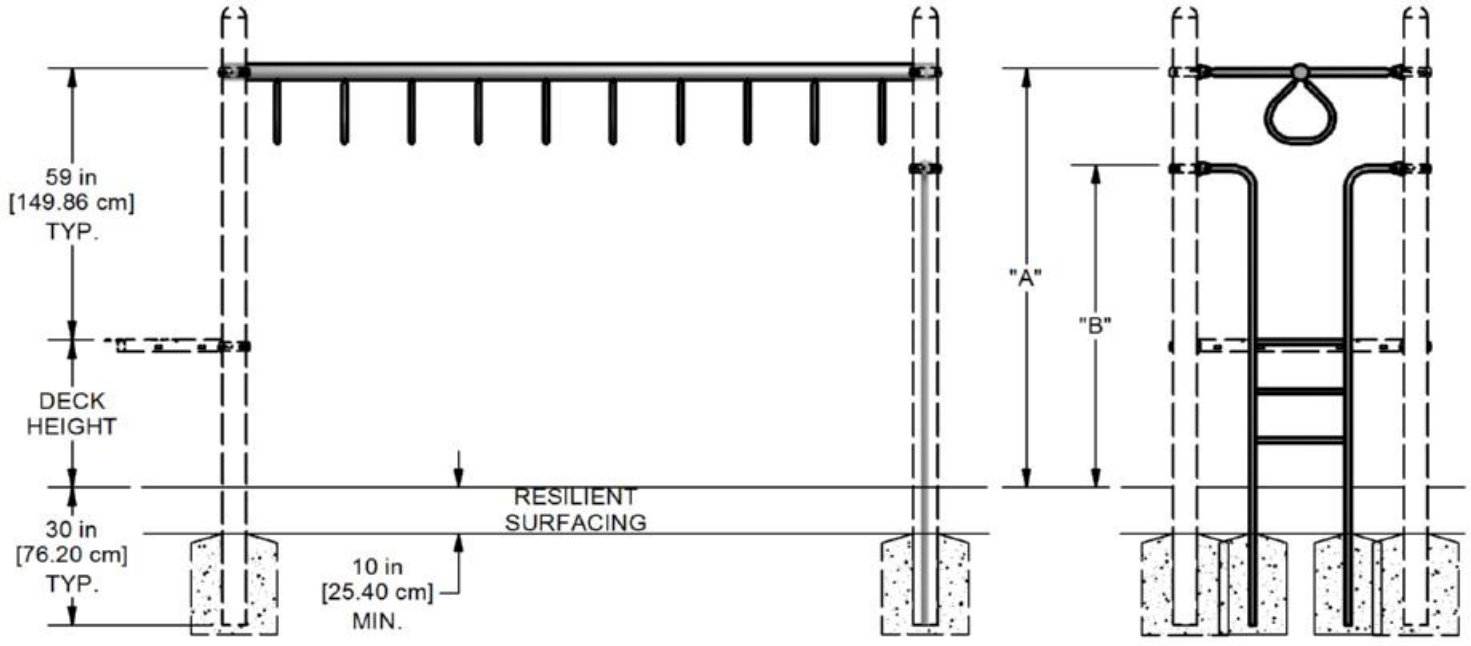


PLAN VIEW

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.

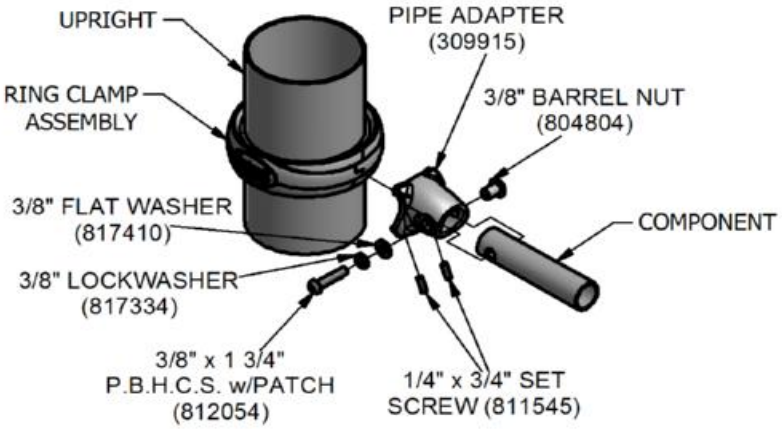
Dimension Table			
Product	Deck Heigh	Dim "A"	Dim "B"
71181	0'-8"	67" [170.18cm]	46 1/16" [117.04cm]
71181	1'-0"	71" [180.34cm]	50 1/16" [127.04cm]
71181	1'-4"	75" [190.50cm]	54 1/16" [137.36cm]
71182	2'-0"	83" [210.82cm]	62 1/16" [157.68cm]
71183	2'-8"	91" [231.14cm]	70 1/16" [178.03cm]



ELEVATION VIEWS

12' Horizontal Loop Ladder - Attachment
71181 (0'-8", 1'-0", & 1'-4"); 71182 (2'-0"); 71183 (2'-8")

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



448

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

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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. 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.

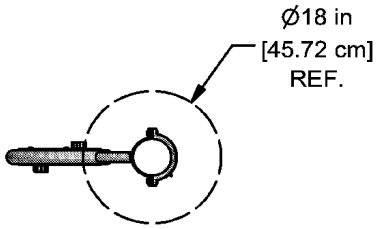
3. Attach Hand Pedaler to Upright Post using Ring Half Clamp, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 3/8" Flat Washer (1 1/4" O.D.) and 3/8" Heavy Hex Nut as shown in Detail 475.

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*.

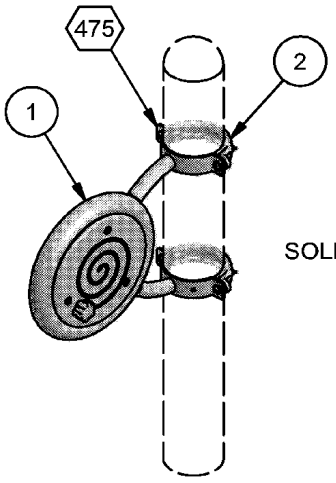
MAINTENANCE PROCEDURE:

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.

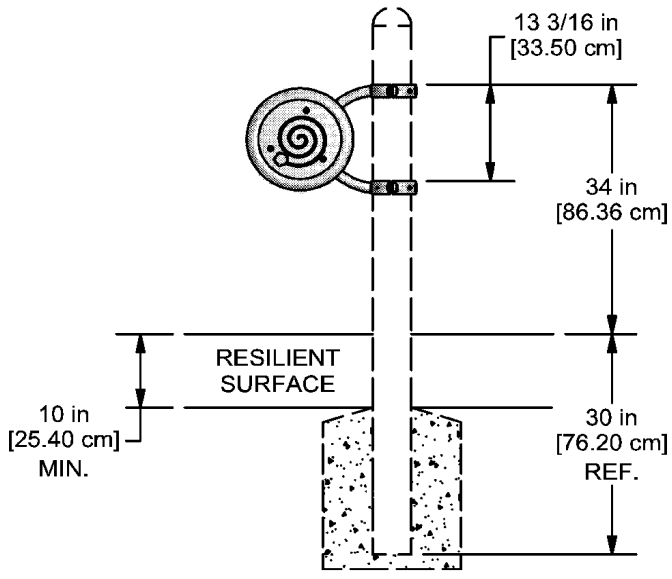
71338 Hand Pedaler



PLAN VIEW

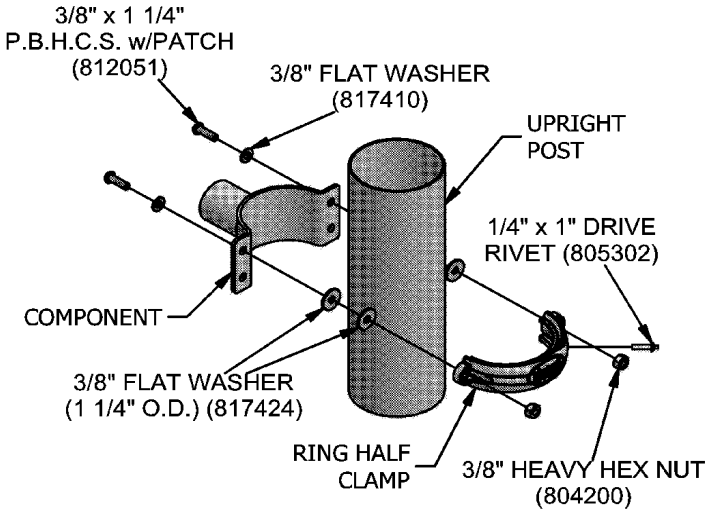


FINISHED ASSEMBLY



ELEVATION VIEW

71338 Hand Pedaler



475

71340 Leg Lift

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	LEG LIFT BRACKET	1	303401
2	RING HALF CLAMP	1	309913
	-----HARDWARE COMPLETE-----	1	310533
	1/4" x 1" DRIVE RIVET	1	805302
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	812051
	3/8" FLAT WASHER	2	817410
	3/8" FLAT WASHER (1 1/4" O.D.)	4	817424
	3/8" HEAVY HEX NUT	2	804200

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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. Select the appropriate Upright Post to receive the Leg Lift. Refer to your overhead drawing for location.

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

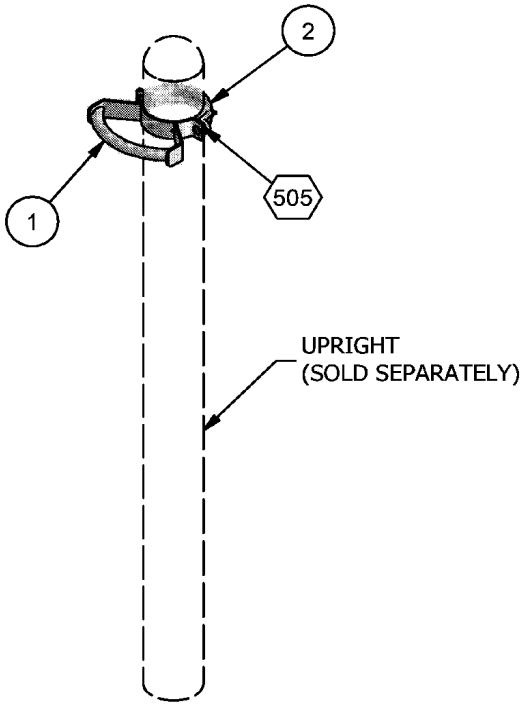
3. Attach Leg Lift to Upright Post using Ring Half Clamp, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 3/8" Flat Washer (1 1/4" O.D.) and 3/8" Heavy Hex Nut as shown in Detail 505.

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*.

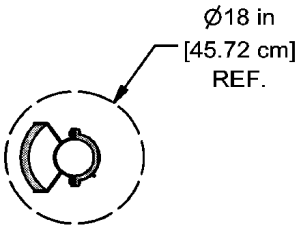
MAINTENANCE PROCEDURE:

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.

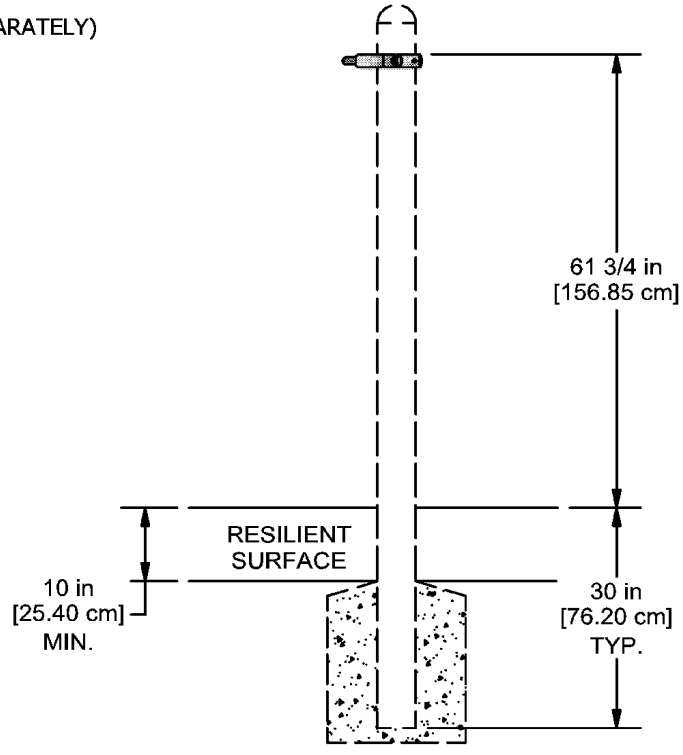
71340 Leg Lift



FINISHED ASSEMBLY



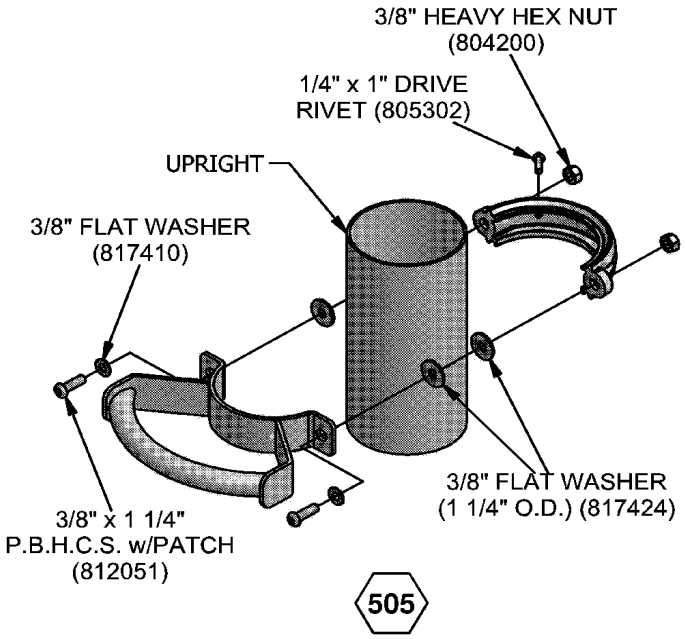
PLAN VIEW



ELEVATION VIEW

⬡ = INSTALLATION DETAIL

71340 Leg Lift



SuperMax Play Systems

71346 Single Seat

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	SEAT SUPPORT	1	312847
2	SEAT	1	207778
3	RING HALF CLAMP	1	309913
	-----HARDWARE COMPLETE-----	1	312850
	1/4" x 1" DRIVE RIVET	1	805302
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	812051
	3/8" FLAT WASHER	2	817410
	3/8" FLAT WASHER (1 1/4" O.D.)	4	817424
	3/8" HEAVY HEX NUT	2	804200
	3/8" LOCKWASHER	1	817334
	3/8" T-NUT	1	804556
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	1	812056

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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. Select the appropriate Upright Post to receive the Single Seat. Refer to your overhead drawing for location.

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

3. Attach Seat Support 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.

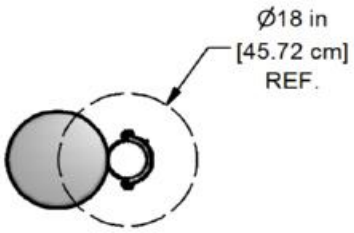
4. Attach Seat to Seat Support using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Lockwasher and 3/8" T-Nut as shown in Detail 714.

5. 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*.

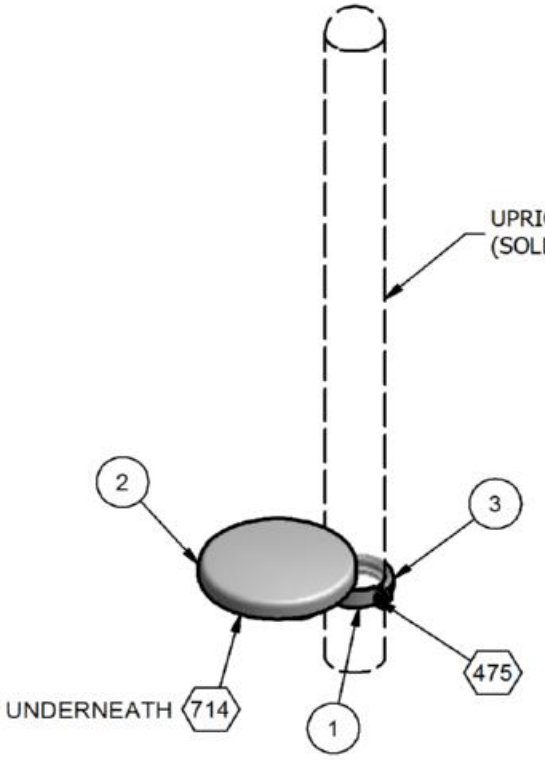
MAINTENANCE PROCEDURE:

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.

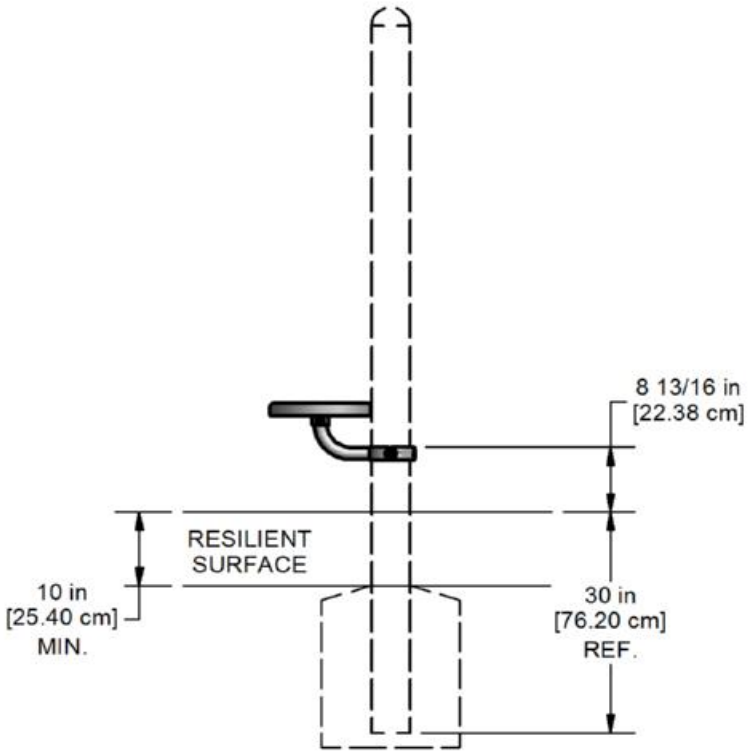
71346 Single Seat



PLAN VIEW



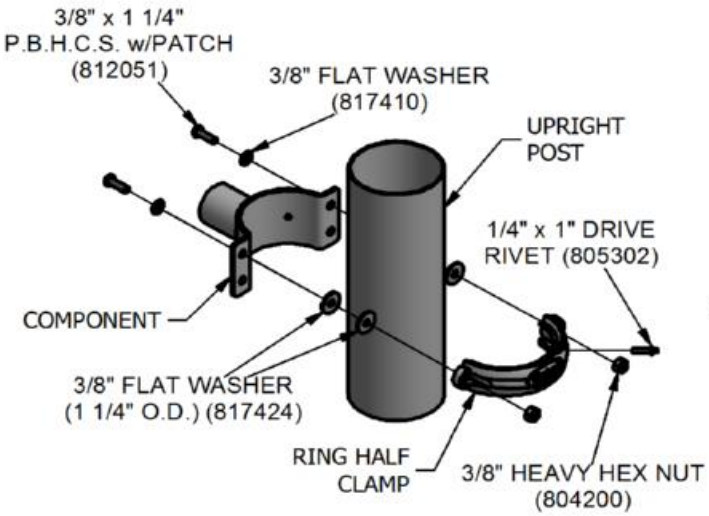
FINISHED ASSEMBLY



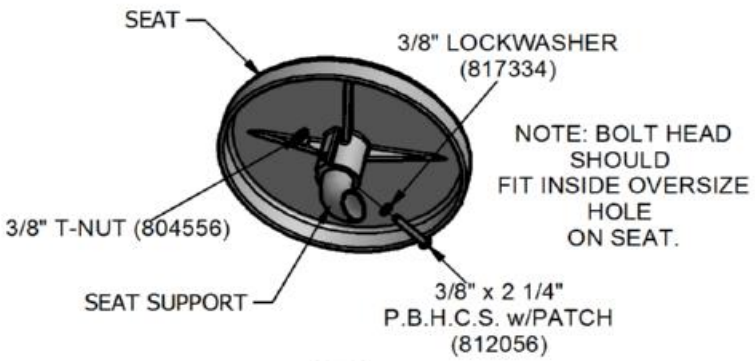
ELEVATION VIEW

⬡ = INSTALLATION DETAIL

71346 Single Seat



475



714

71370 ANGLED ROCK

Parts List		
DESCRIPTION	QTY	PART NUMBER
BOTTOM SUPPORT	2	309623
PIPE ADAPTER	5	309915
OFFSET ENTRY ARCHWAY	1	310071
ROCK TAB	3	310626
ANGLED ROCK	1	314610
HARDWARE COMPLETE	1	314624
BLUE HANDHOLD	2	314591
YELLOW HANDHOLD	4	314592
GREEN HANDHOLD	4	314593
1/4" x 3/4" SET SCREW	10	811545
3/8" x 3/4" P.B.H.C.S. w/PATCH	1	812052
3/8" x 1" P.B.H.C.S. w/PATCH	16	812050
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	10	812051
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	5	812054
3/8" LOCK NUT	1	804353
3/8" BARREL NUT	5	804804
3/8" LOCK WASHER	31	817334
3/8" FLAT WASHER	9	817410
3/8" FLAT WASHER (1 1/4" O.D.)	14	817424

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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.

71370 ANGLED ROCK

INSTALLATION INSTRUCTIONS:

1. Determine which deck is to receive the Angled Rock, refer to your overhead drawing for location. Dig footings at location and depth as shown.
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. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.
4. Slip the Pipe Adapters onto the Offset Entry Archway attachment pipes and connect 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. Place the tabs at the bottom of the Offset Entry Archway into the slots on the deck. Then hook the Pipe Adapters onto the Ring Clamps and attach using 1/4" x 3/4" Set Screws. See Detail 448.
5. Connect the tab at the bottom of the Offset Entry Archway to the hole on the side of the deck using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Lock Nut. See Detail 026.
6. Attach Blue, Yellow, and Green Handholds to Angled Rock using 3/8" x 1 1/4" P.B.H.C.S. w/Patch and 3/8" Lock Washer. See Detail 938.
7. Attach the Rock Tabs to the side of the Angled Rock using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. See Detail 936.
8. Attach the Bottom Support to the bottom of the Angled Rock using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. See Detail 937.
9. Slip the Pipe Adapters onto Rock Tabs and connect 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. Then hook the Pipe Adapters onto the Ring Clamps and attach using 1/4" x 3/4" Set Screws. See Detail 448.
10. When the Angled Rock 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.

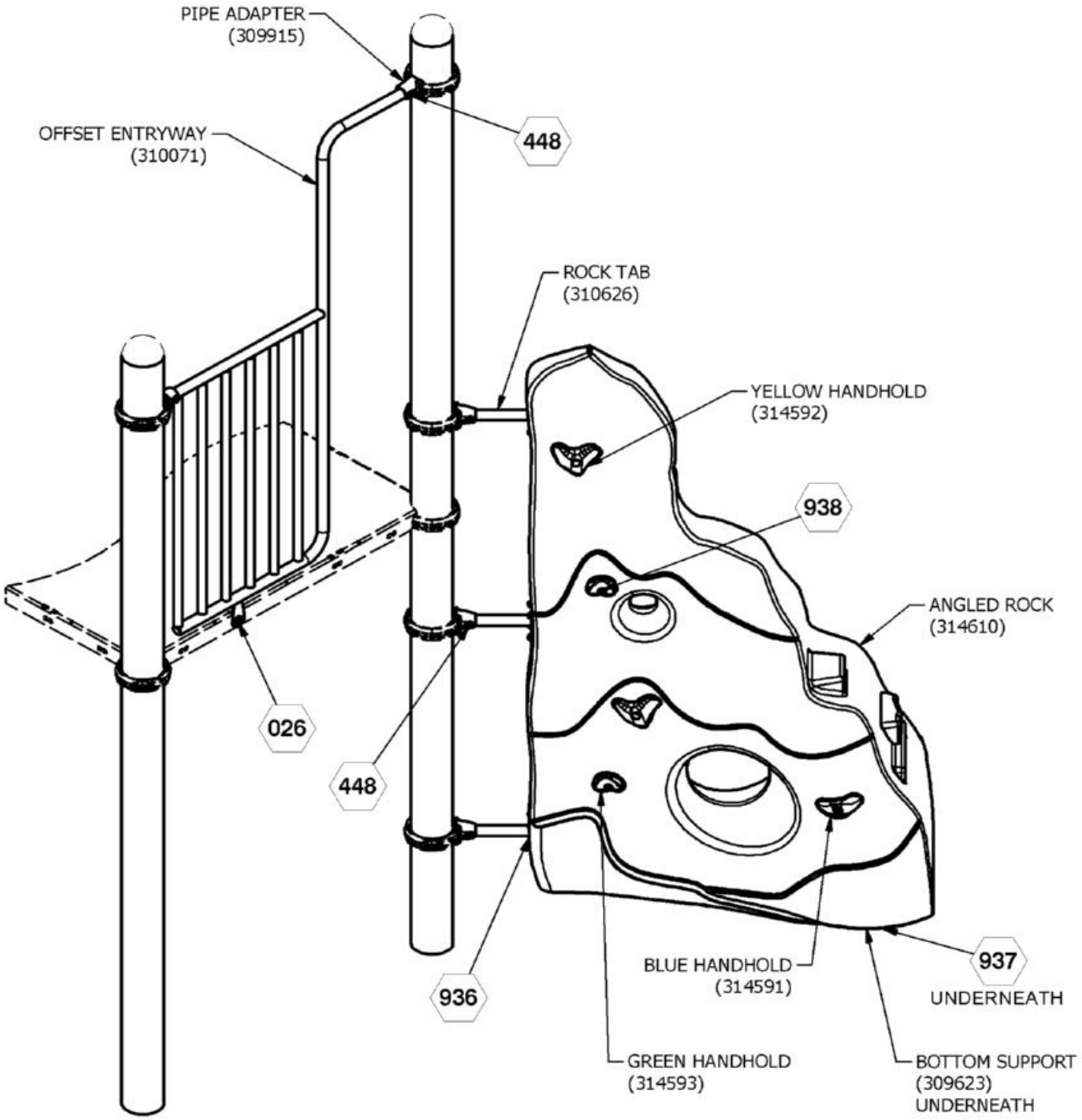
IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

11. 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. 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.

71370 ANGLED ROCK



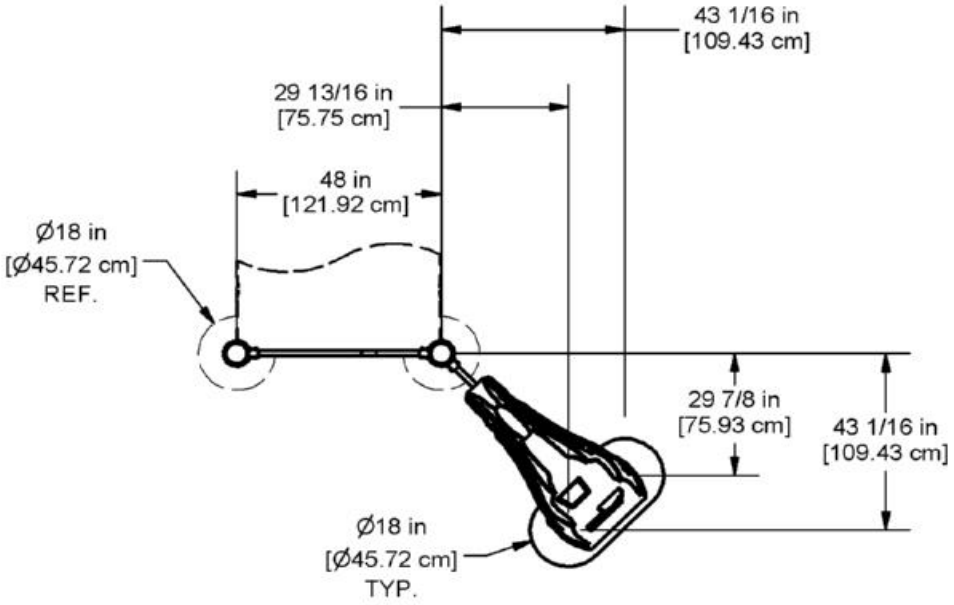
= INSTALLATION DETAIL

FINISHED ASSEMBLY

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

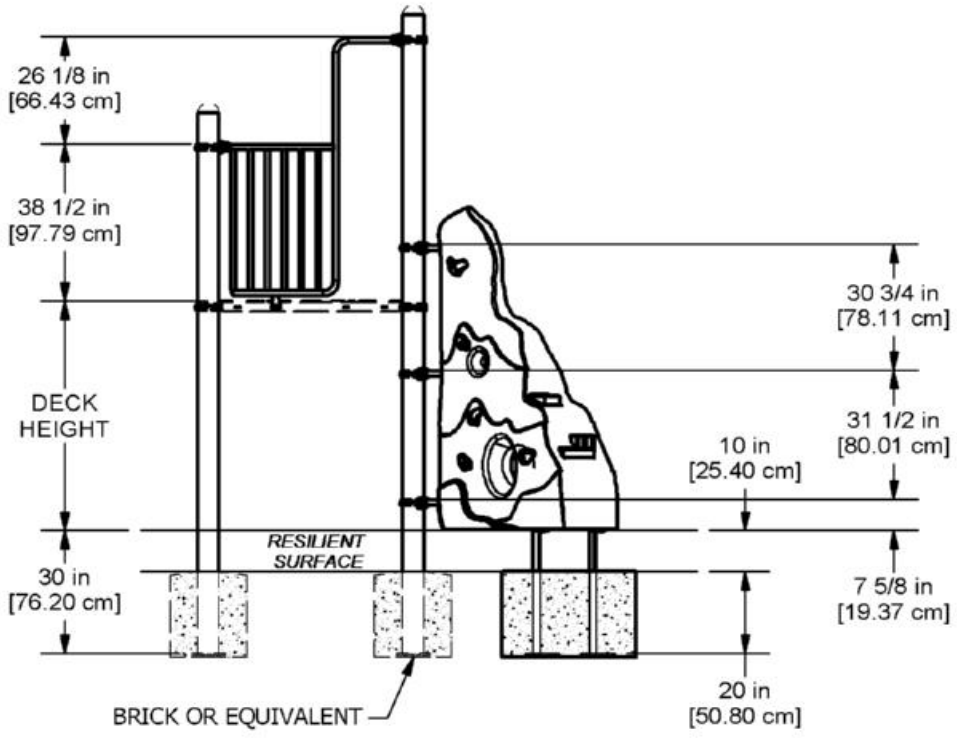
Issued/Revised: 4/21/2023

71370 ANGLED ROCK



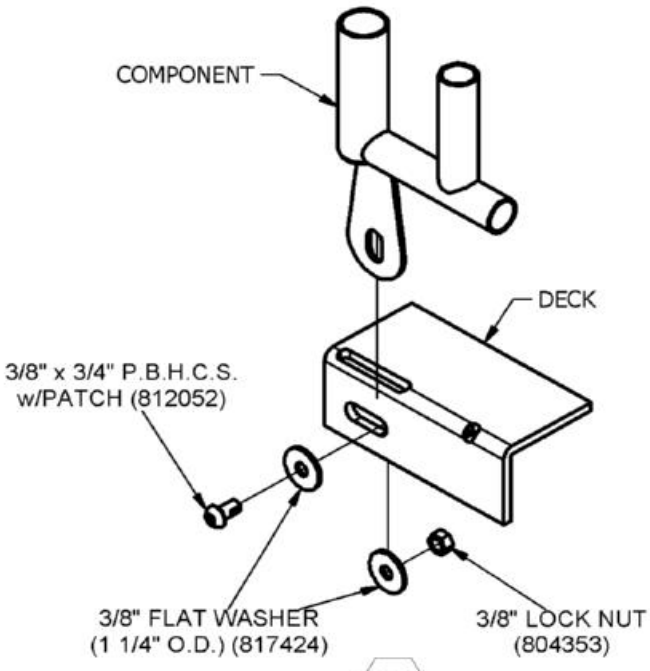
PLAN VIEW

CONCRETE REQUIRED
0.22 CUBIC YARDS
[0.17 CUBIC METERS]

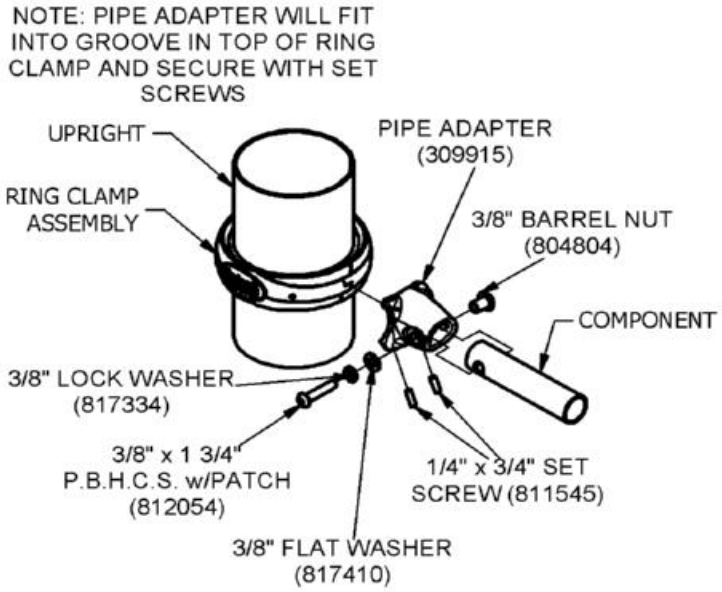


ELEVATION VIEW

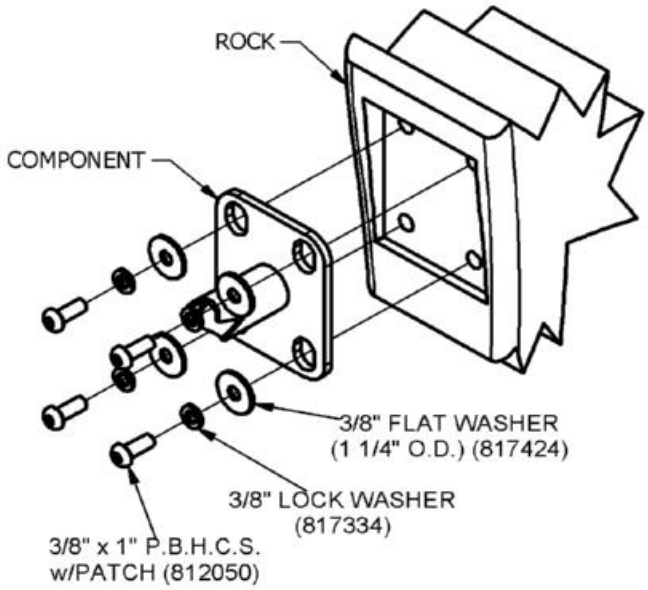
71370 ANGLED ROCK



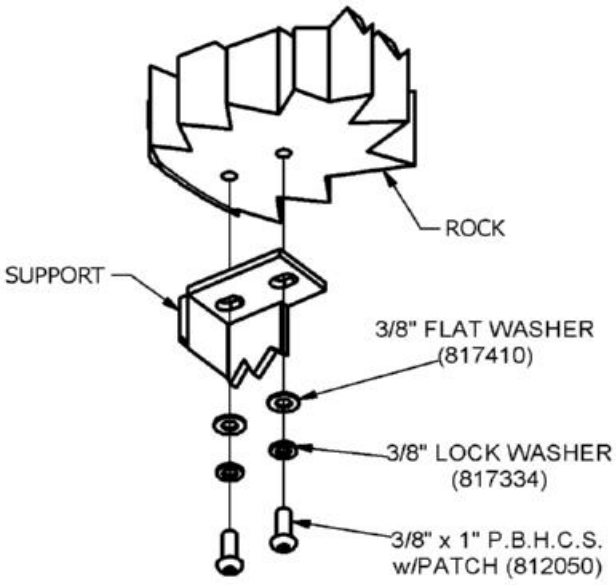
026



448

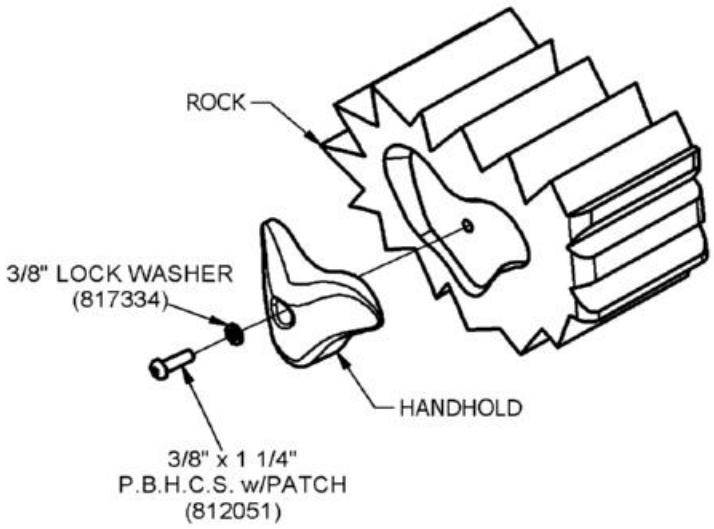


936



937

71370 ANGLED ROCK



938

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.

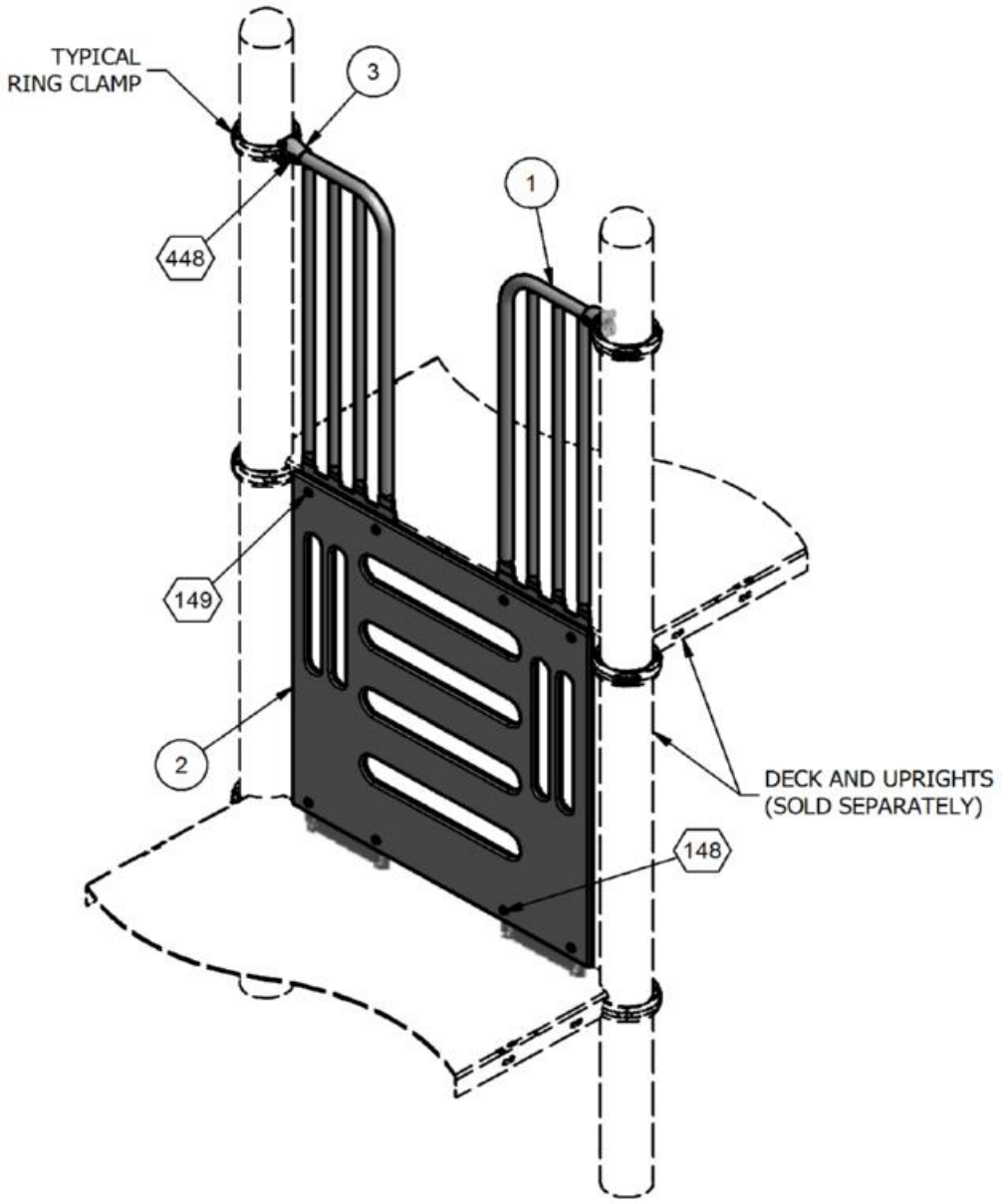
7. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support 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.

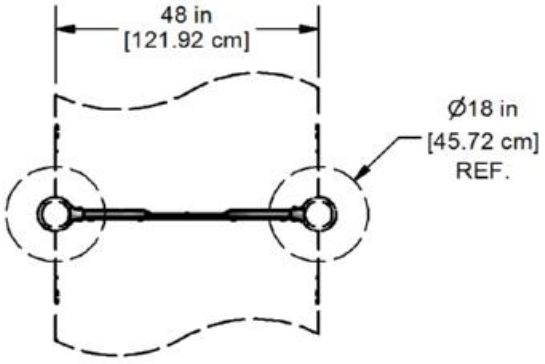
Vertical Ladder 71381 (1'-4" Rise); 71382 (2'-0" Rise); 71383 (2'-8" Rise); 71384 (3'-4" Rise); 71639 (4'-0" Rise)



⬡ = INSTALLATION DETAIL

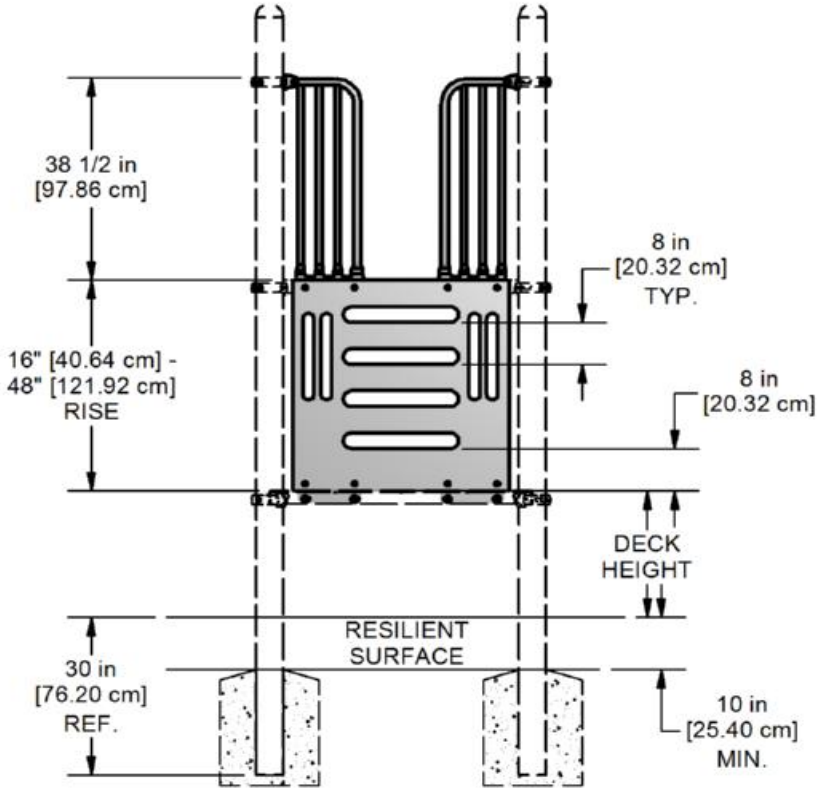
FINISHED ASSEMBLY
71384 SHOWN

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



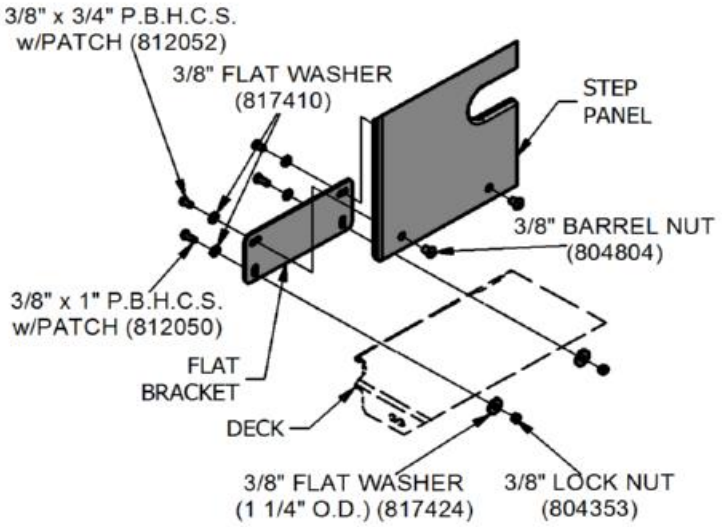
NOTE: STEP PANEL SHOULD BE ORIENTATED SO THAT THE DISTANCE FROM THE LOWER DECK TO THE FIRST STEP IS 8"

PLAN VIEW

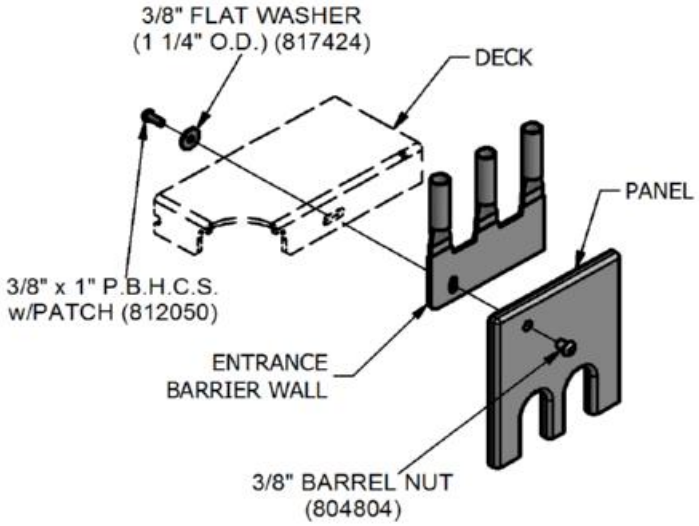


ELEVATION VIEW

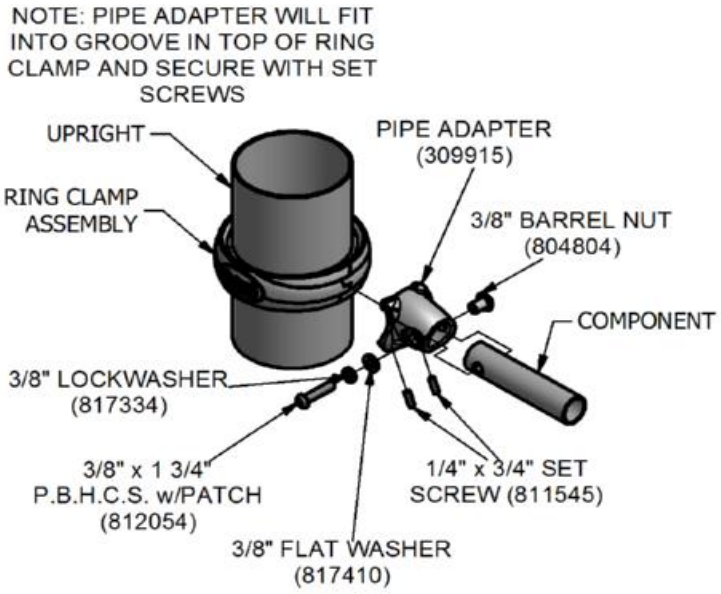
Vertical Ladder 71381 (1'-4" Rise); 71382 (2'-0" Rise); 71383 (2'-8" Rise); 71384 (3'-4" Rise); 71639 (4'-0" Rise)



148



149



448

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.

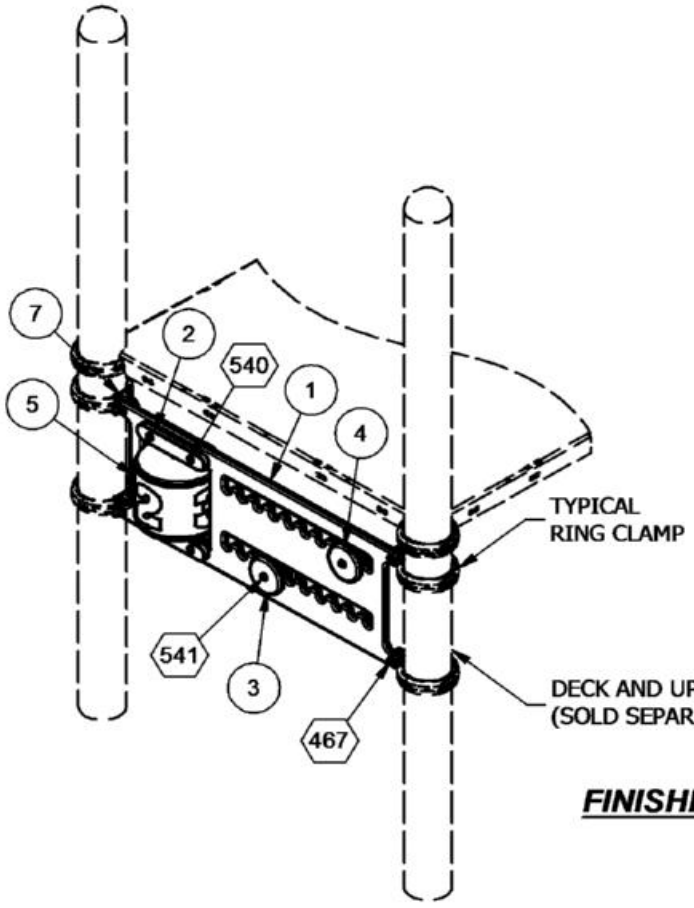
71403 Spin & Win Panel

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:

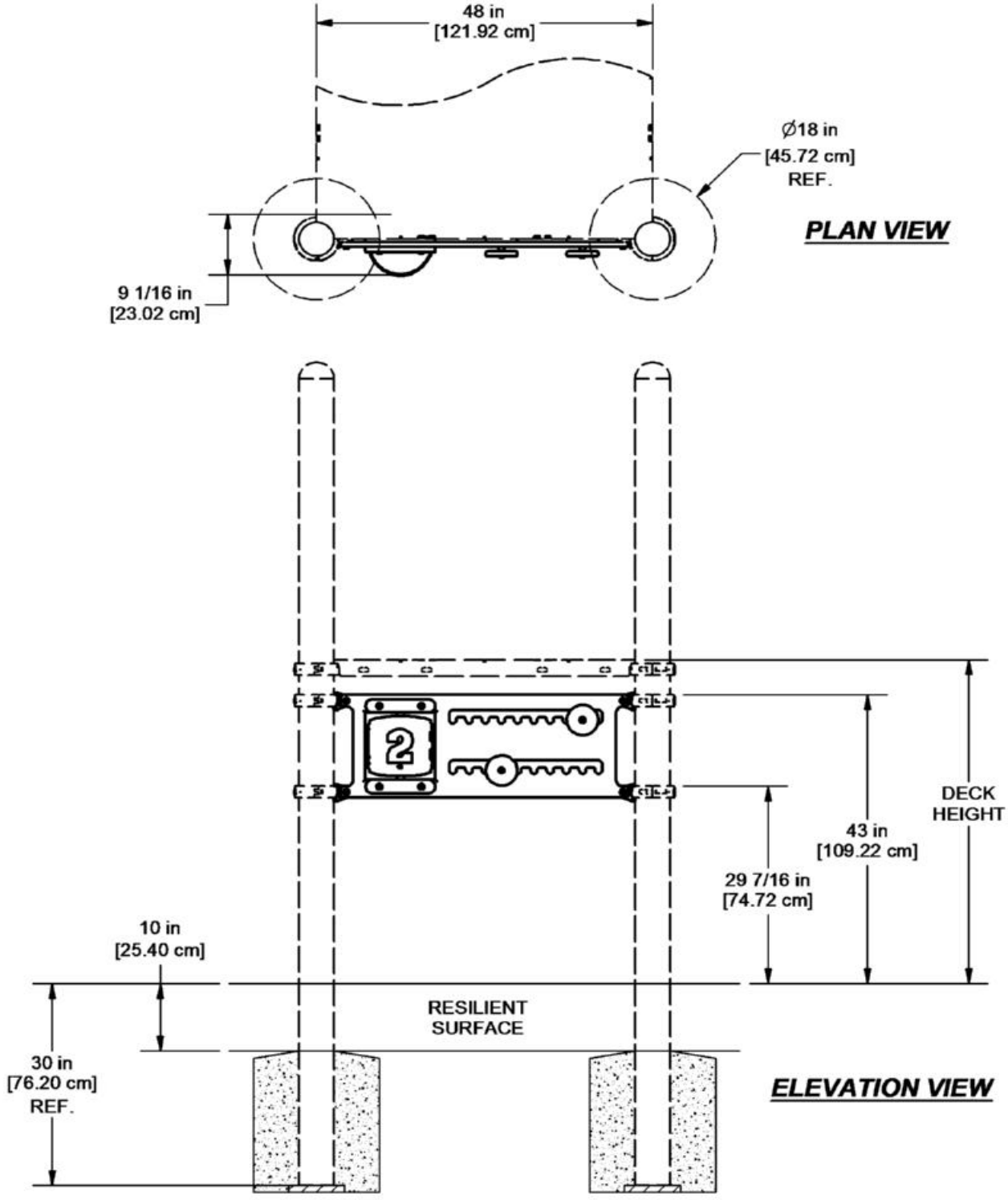
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify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

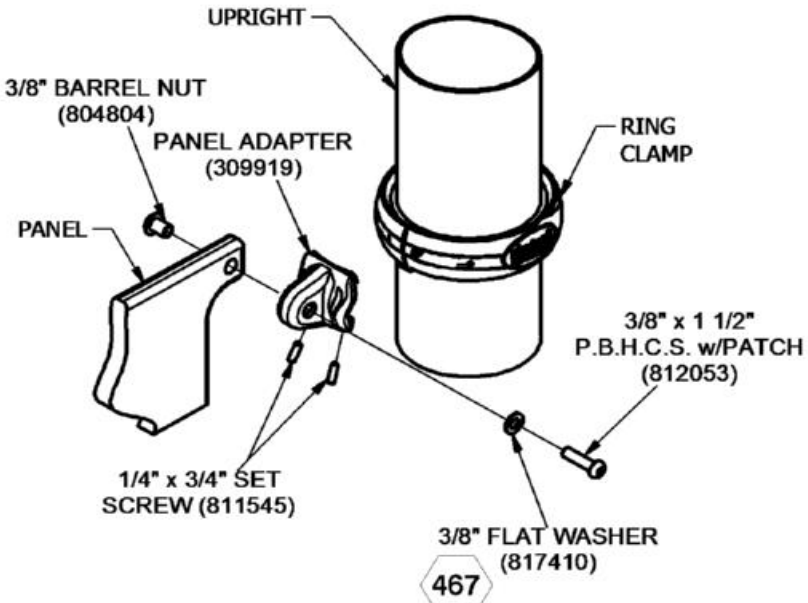
71403 Spin & Win Panel



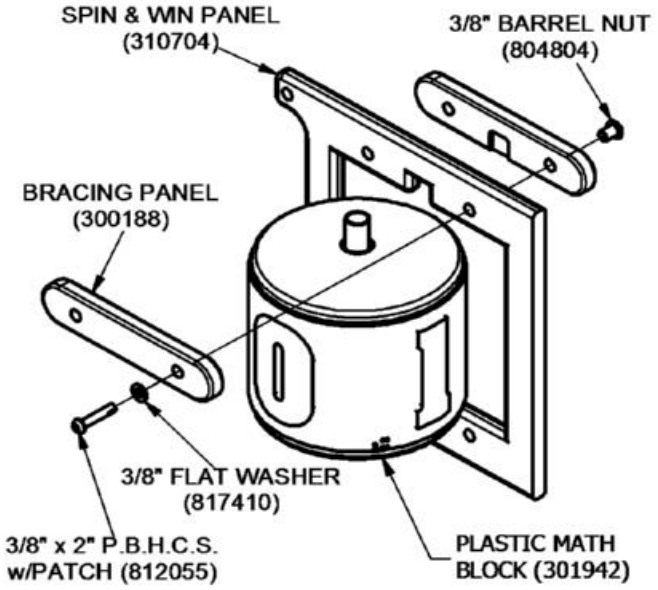
71403 Spin & Win Panel

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

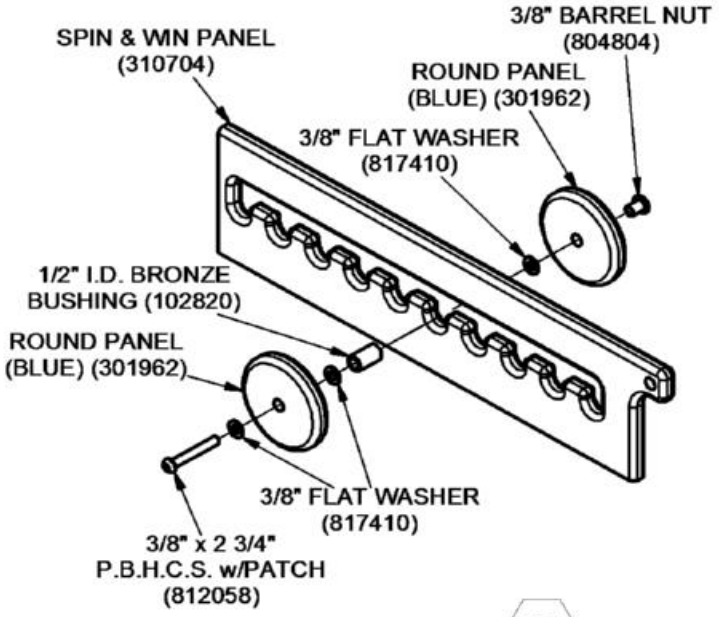
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.



467



540



541

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
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. 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.

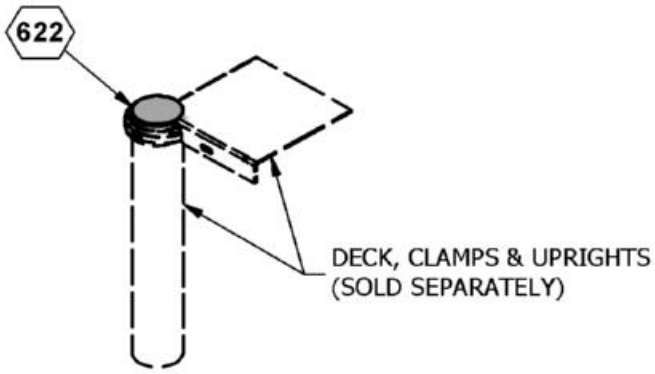
When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial 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

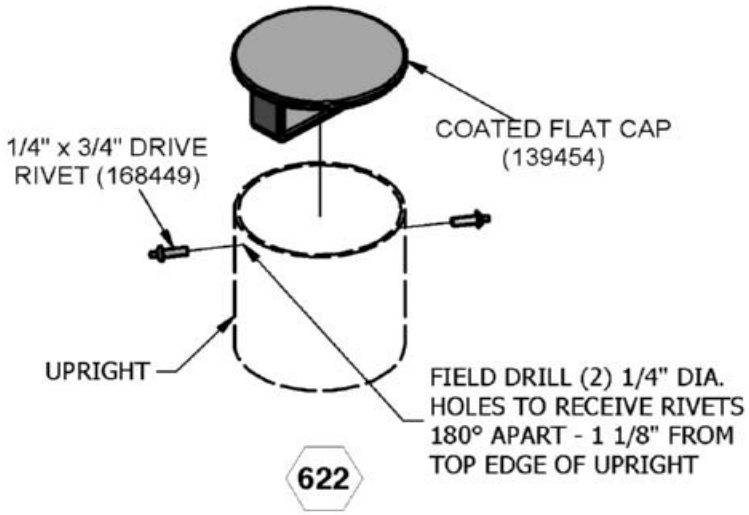
MAINTENANCE PROCEDURE:

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

71671 SINGLE CASCADE ENTRANCE

Parts List		
DESCRIPTION	QTY	PART NUMBER
SECTIONAL ENTRANCE	1	205960
PANEL ADAPTER	2	309919
SLIDE HOOD	1	312484
HARDWARE COMPLETE	1	312596*
1/4" x 3/4" SET SCREW	4	811545*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	812051*
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	2	812053*
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	812054*
3/8" FLAT WASHER	2	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	4	817424*
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.
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 Landslide Entrance and dig footing at location shown in Top View. Refer to the Elevation View for footing depth.
2. Using a 7/16" drill bit, ream out any excess Plastisol coating from all holes used on deck. Be careful not to expose the steel.
3. Attach Ring Clamps to the Uprights. See Ring Clamp Installation sheet.
3. Attach Panel Adapters to the Ring Clamps using 1/4" x 3/4" Set Screws. See Detail 672.
4. Attach Slide Hood to Panel Adapters using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washer and 3/8" Barrel Nut. See Detail 672.
5. Attach Sectional Entrance to Deck using 3/8" x 1 1/4" P.B.H.C.S. w/Patch and 3/8" Flat Washer (1 1/4" O.D.). See Detail 136.
6. Attach Sectional Entrance to Slide Hood using 3/8" x 1 3/4" P.B.H.C.S. w/Patch and 3/8" Flat Washer (1 1/4" O.D.). See Detail 673.
7. Plumb and level the entire assembly and tighten all fasteners.
8. 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.

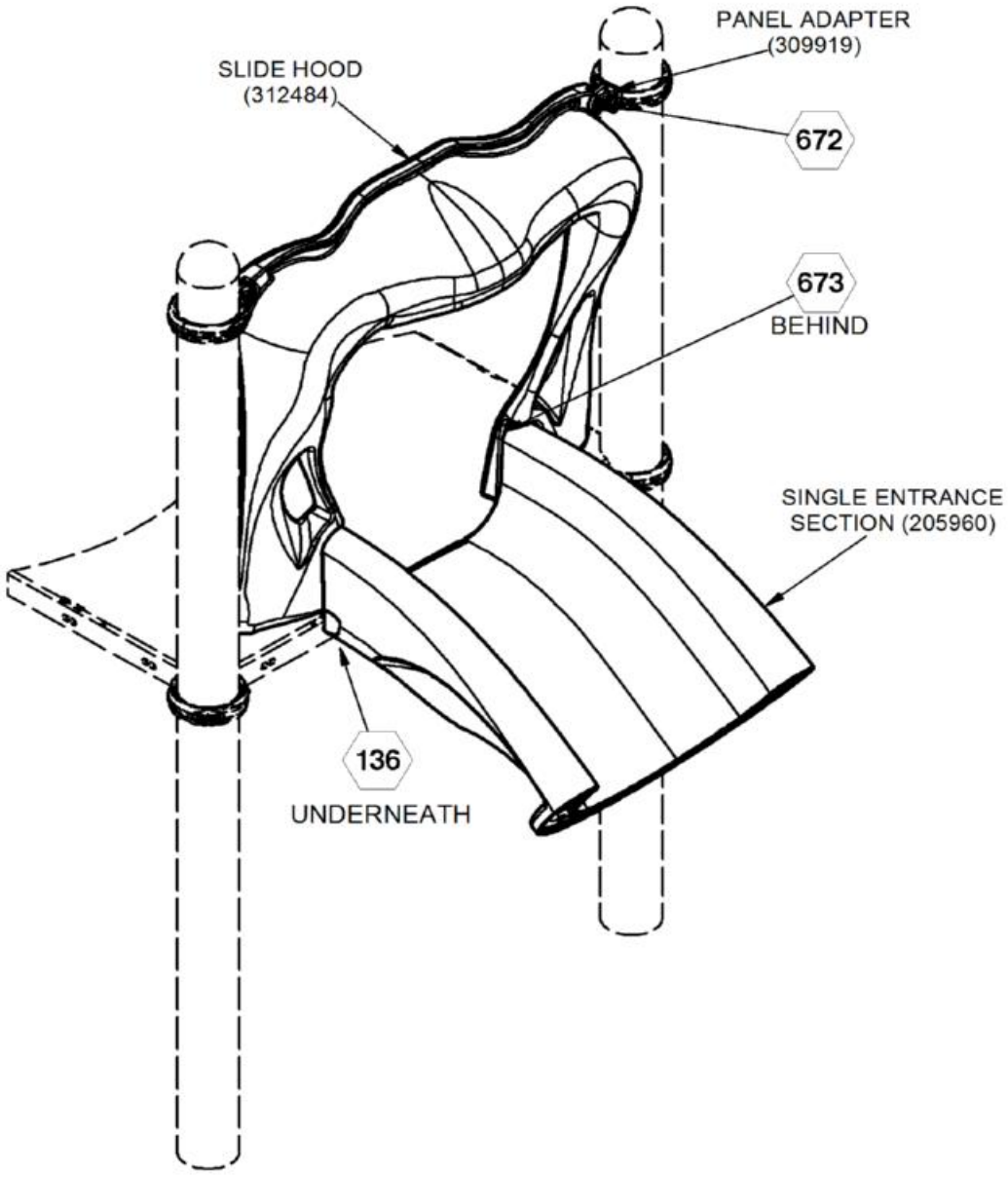
IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

9. When the 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 structures in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

71671 SINGLE CASCADE ENTRANCE

MAINTENANCE PROCEDURE:

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

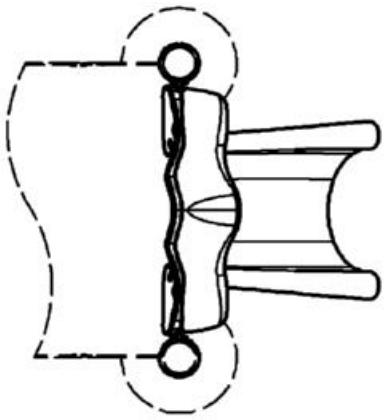


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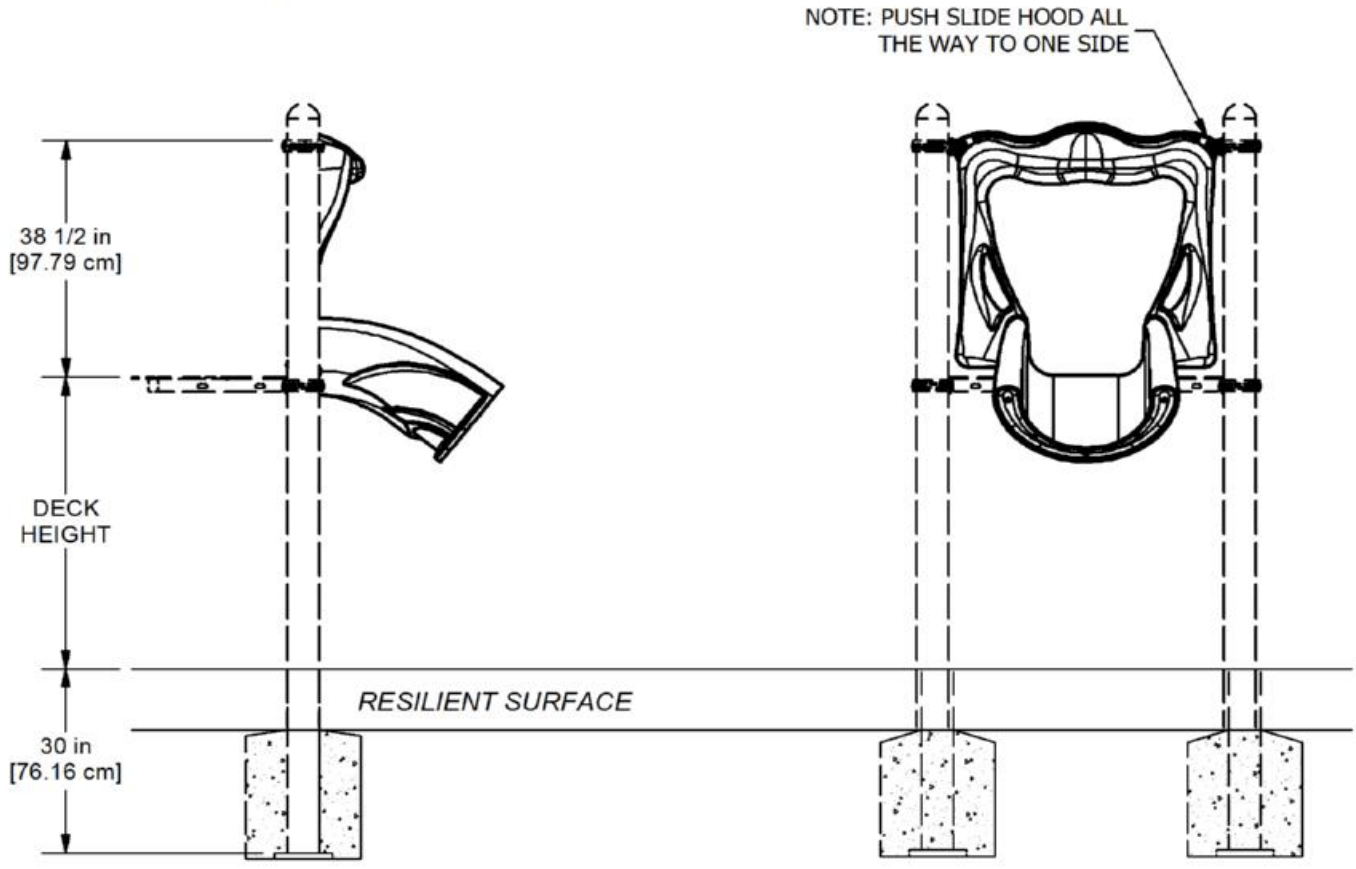
FINISHED ASSEMBLY

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

71671 SINGLE CASCADE ENTRANCE

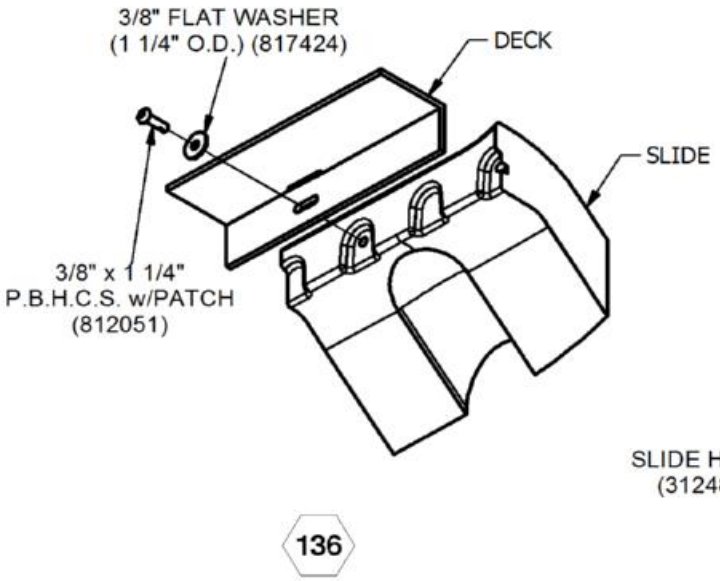


PLAN VIEW

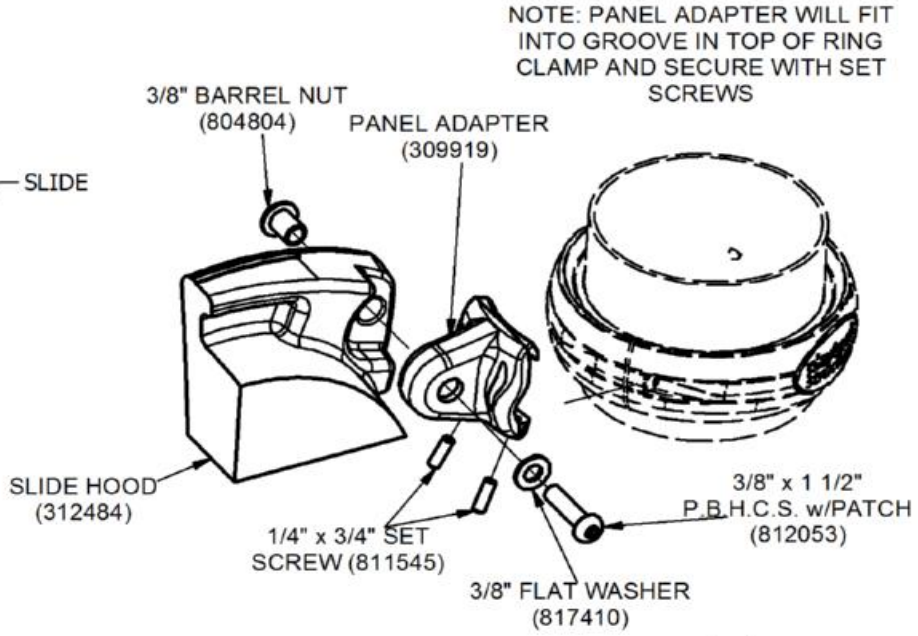


ELEVATION VIEW

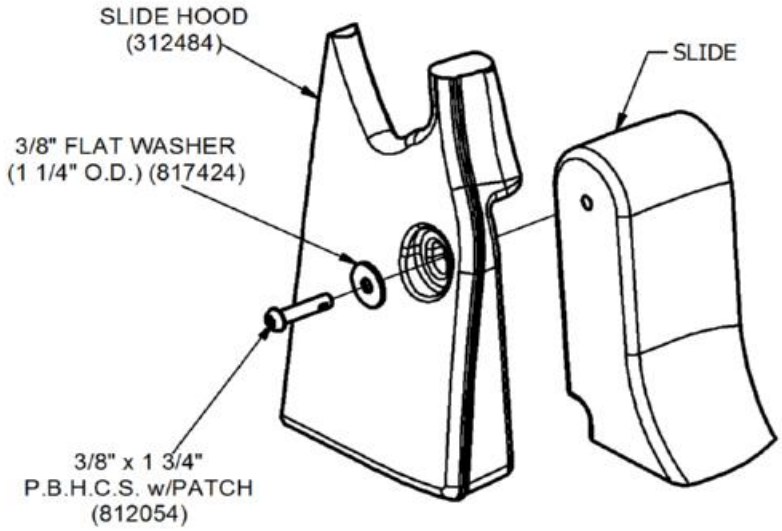
71671 SINGLE CASCADE ENTRANCE



136



672



673

SuperMax Play Systems

71672 DOUBLE CASCADE ENTRANCE

Parts List		
DESCRIPTION	QTY	PART NUMBER
DOUBLE ENTRANCE SECTION	1	206167
PANEL ADAPTER	2	309919
DOUBLE ENTRANCE SLIDEHOOD	1	312730
HARDWARE COMPLETE	1	302545
1/4" x 3/4" SET SCREW	4	811545*
3/8" x 1" P.B.H.C.S. w/PATCH	2	812050*
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" x 2" P.B.H.C.S. w/PATCH	2	812055*
3/8" FLAT WASHER	2	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	6	817424*
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.

71672 DOUBLE CASCADE ENTRANCE

INSTALLATION INSTRUCTIONS:

1. Determine which deck is to receive the Landslide Entrance and dig footing at location shown in Top View. Refer to the Elevation View for footing depth.

2. Using a 7/16" drill bit, ream out any excess Plastisol coating from all holes used on deck. Be careful not to expose the steel.

3. Attach Ring Clamps to the Uprights. See Ring Clamp Installation sheet.

4. Attach Panel Adapters to the Ring Clamps using 1/4" x 3/4" Set Screws. See Detail 715.

5. Attach Double Entrance Slide Hood to Panel Adapters using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 715.

6. Attach Double Entrance Section to Deck using 3/8" x 1 1/4" P.B.H.C.S. w/Patch, and 3/8" Flat Washer (1 1/4" O.D.). See Detail 136.

7. Attach Double Entrance Section to Slide Hood using 3/8" x 2" P.B.H.C.S. w/Patch and 3/8" Flat Washer (1 1/4" O.D.). See Detail 716.

8. Use 3/8" x 1" w/Patch to fill unused support holes in remaining sections. See Detail 789

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

10. When the slide is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from supports to allow drainage. Allow to cure at least 48 hours before use

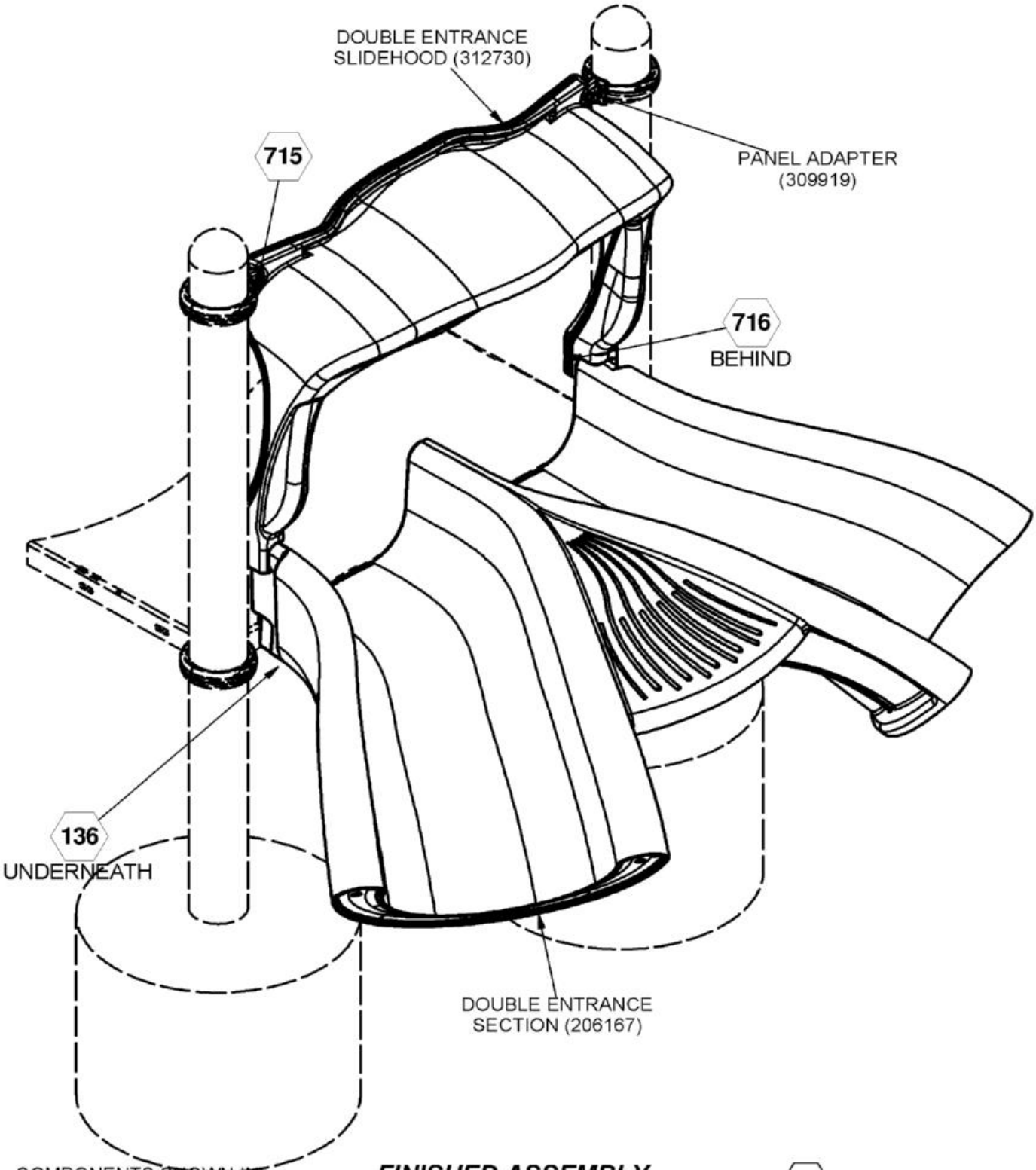
IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

11. When the 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 structures 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.

71672 DOUBLE CASCADE ENTRANCE

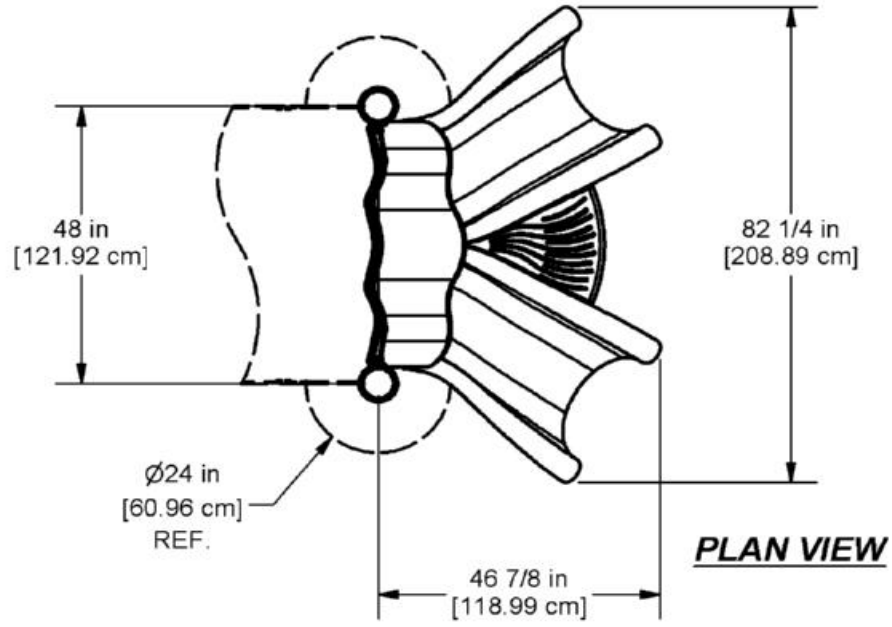


COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

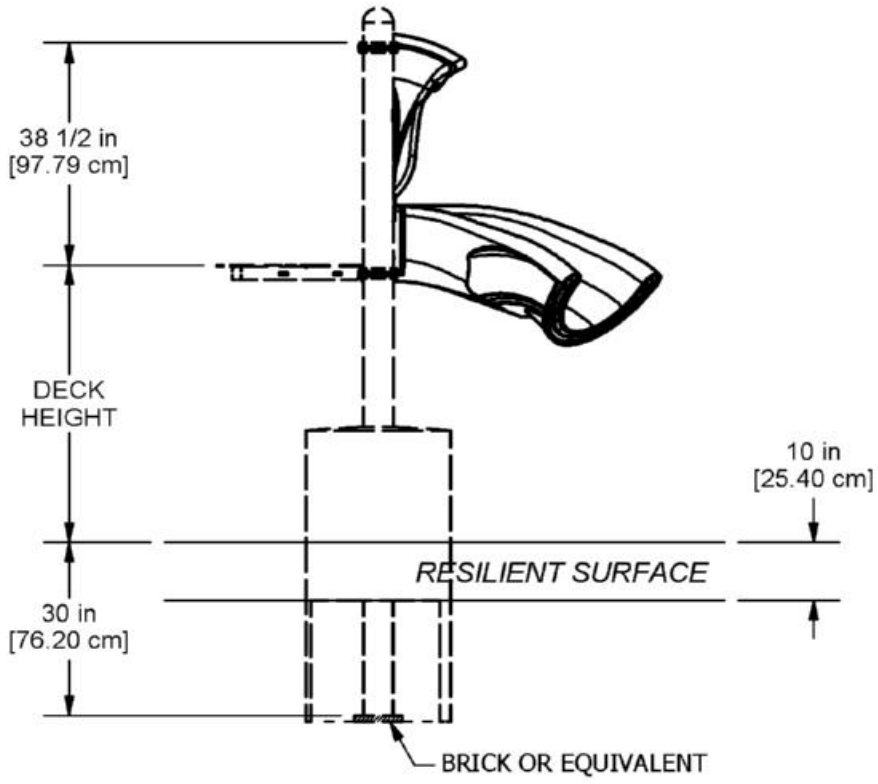
FINISHED ASSEMBLY

⬡ = INSTALLATION DETAIL

71672 DOUBLE CASCADE ENTRANCE

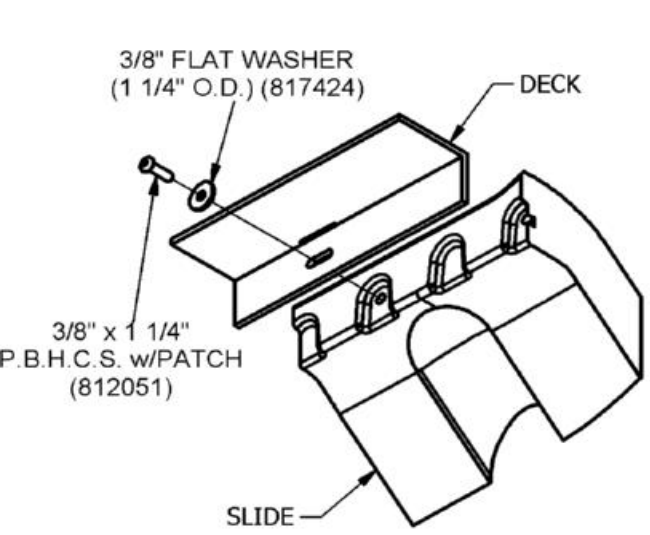


PLAN VIEW

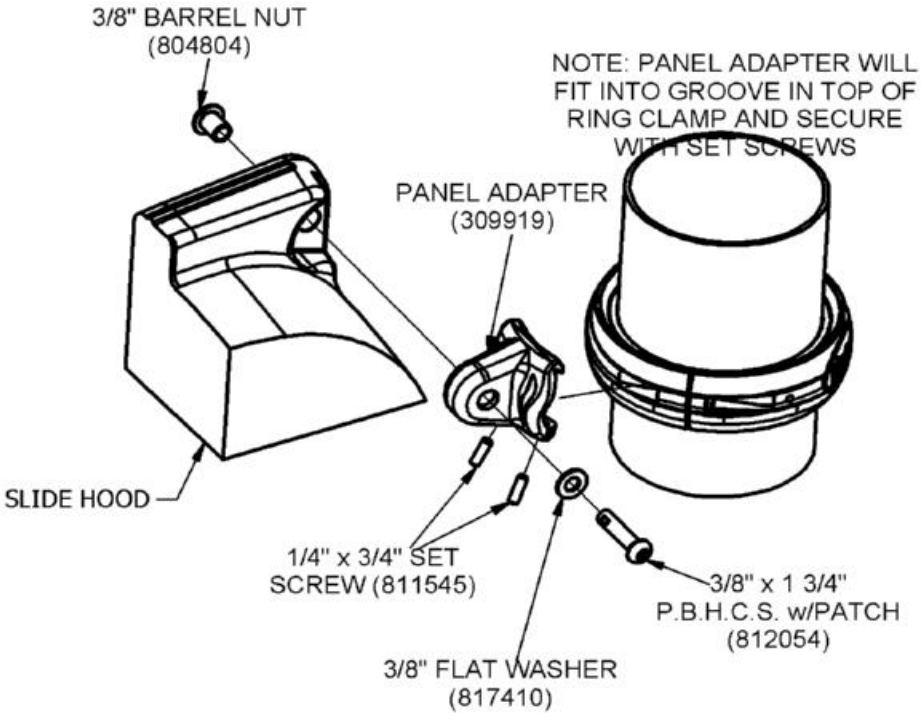


ELEVATION VIEW

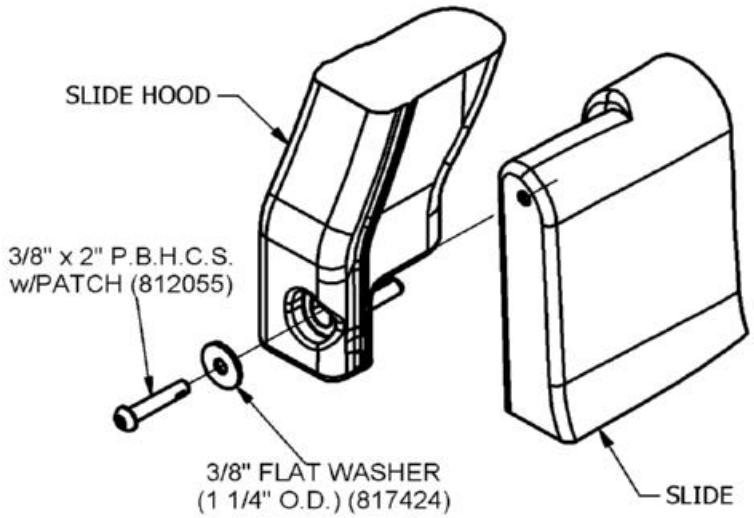
71672 DOUBLE CASCADE ENTRANCE



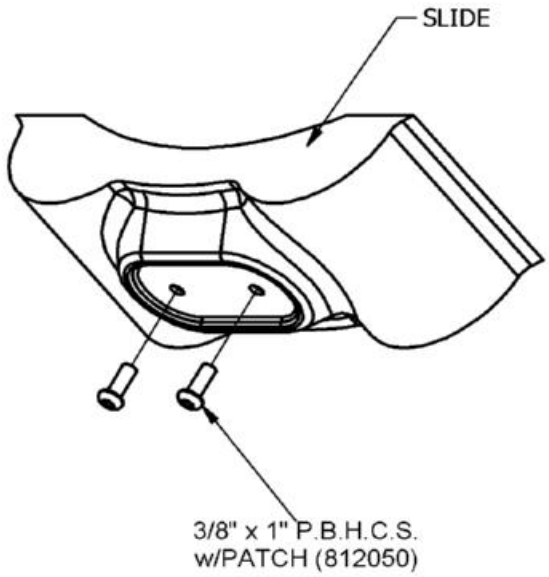
136



715



716



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.

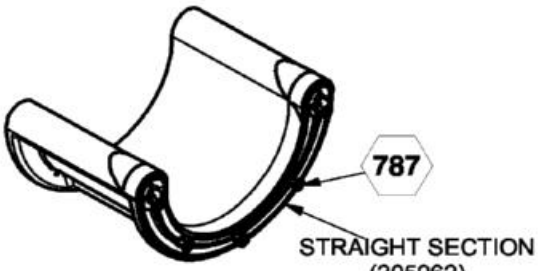
6. After the slide is adjusted and the bolts are tight, attach the slide supports (if required) using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Lockwasher and 3/8" Flat Washer. See Detail 788. **NOTE: Refer to overall top view for slide support location.**

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.

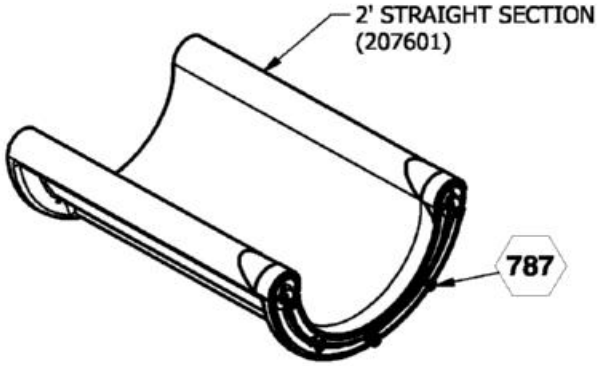
MAINTENANCE PROCEDURE:

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.

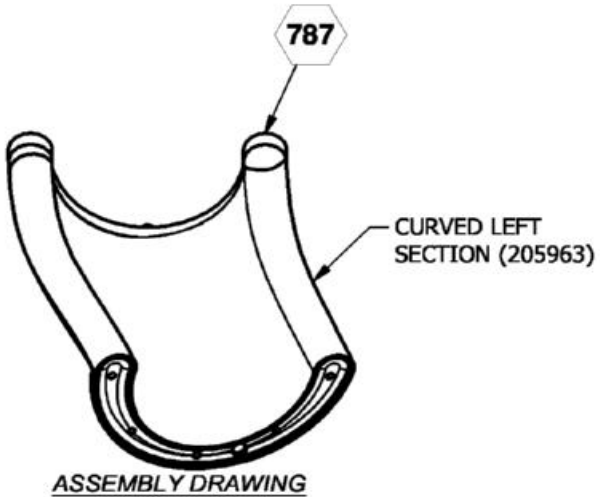
71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION



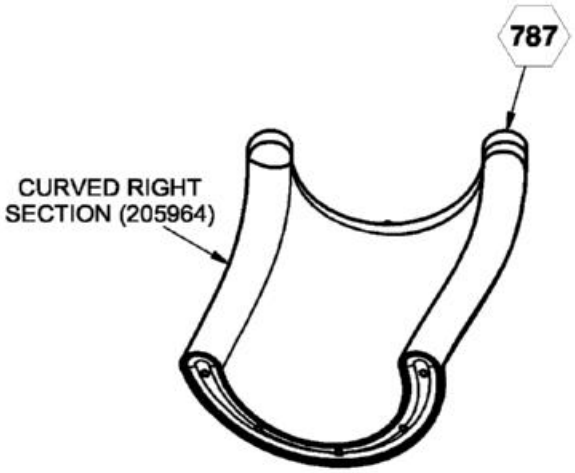
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71674 SHOWN



ASSEMBLY DRAWING
71715 SHOWN



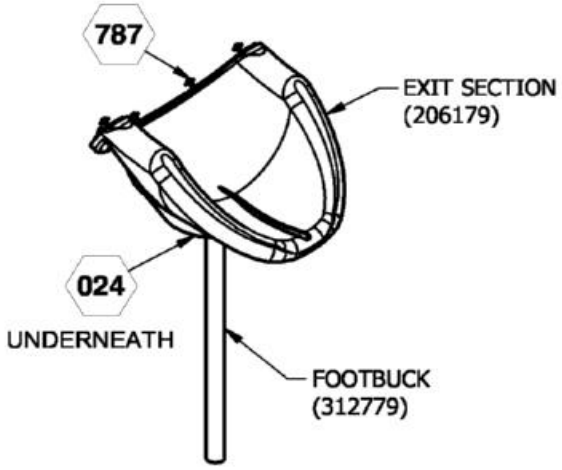
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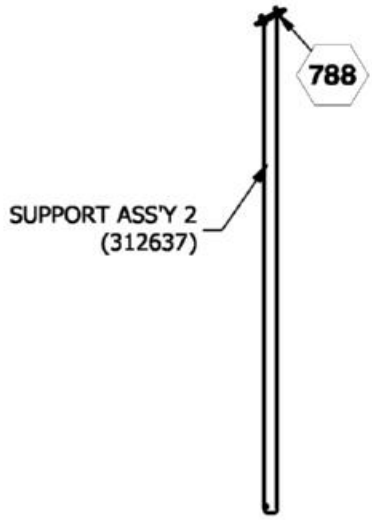
ASSEMBLY DRAWING
71676 SHOWN

⬡ = INSTALLATION DETAIL

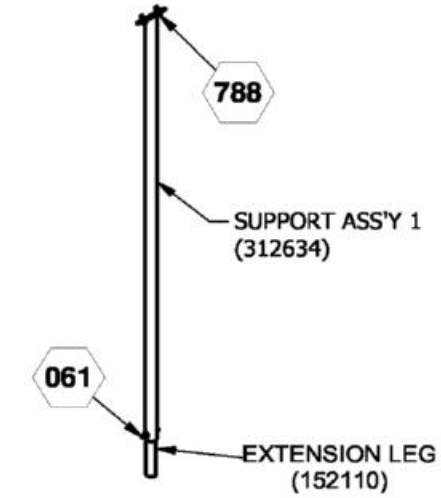
71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION



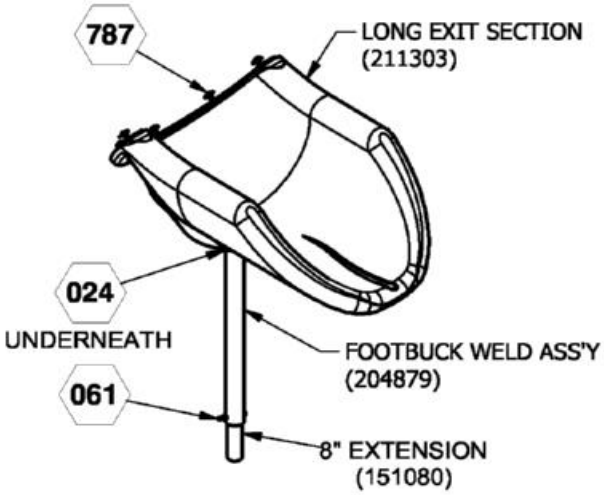
ASSEMBLY DRAWING
71677 SHOWN



ASSEMBLY DRAWING
71678 SHOWN



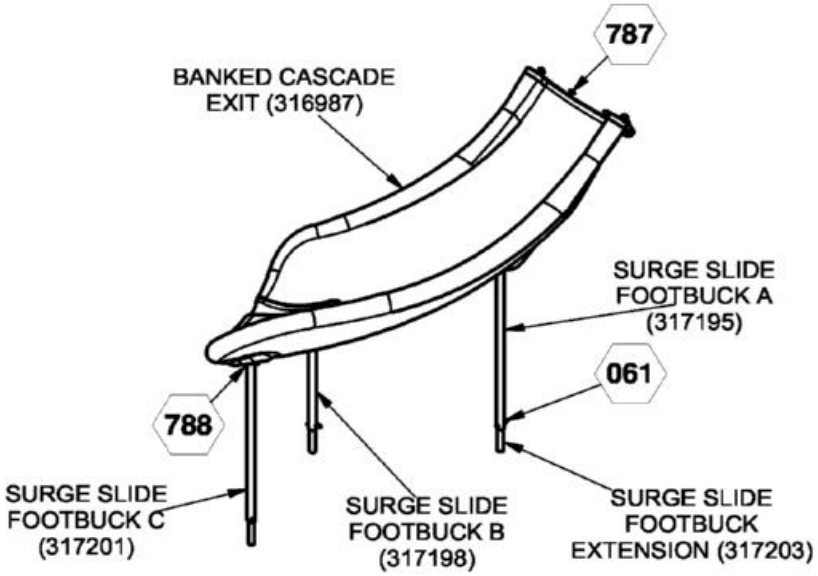
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71902 SHOWN



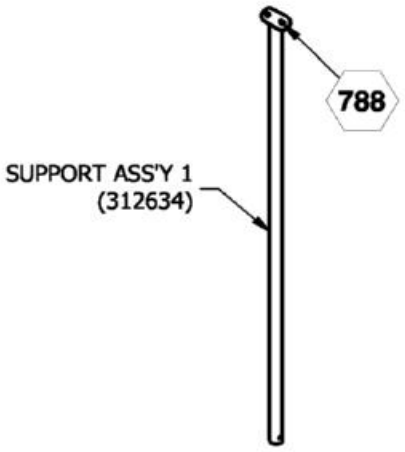
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⬡ = INSTALLATION DETAIL

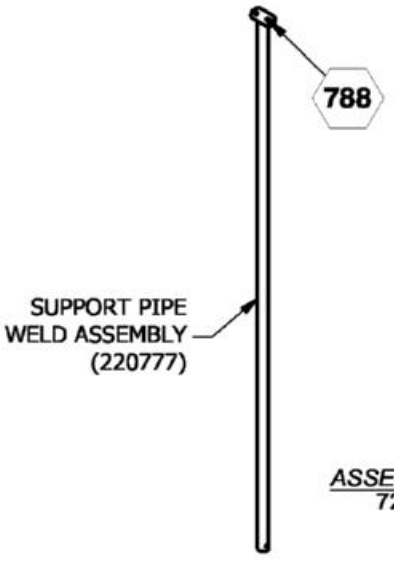
71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION



ASSEMBLY DRAWING
72207 SHOWN



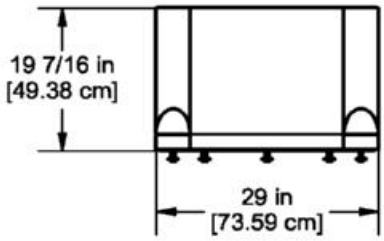
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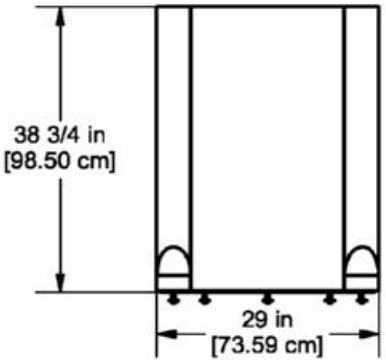
ASSEMBLY DRAWING
72210 SHOWN

⬡ = INSTALLATION DETAIL

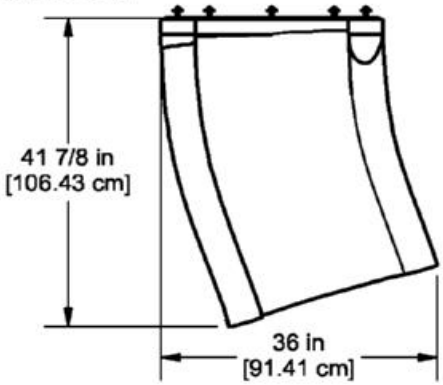
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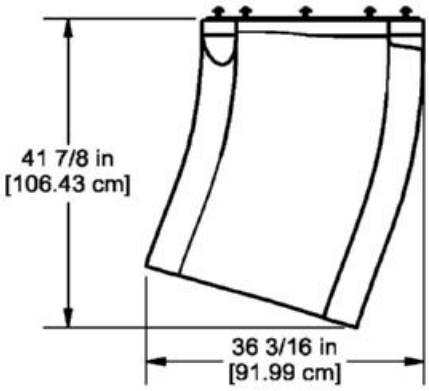
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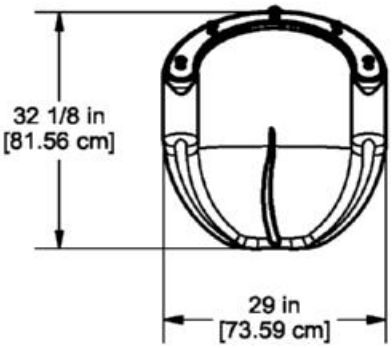
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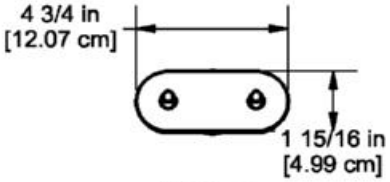
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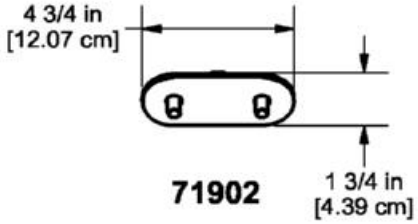
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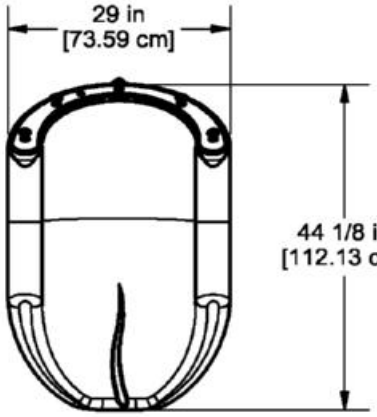
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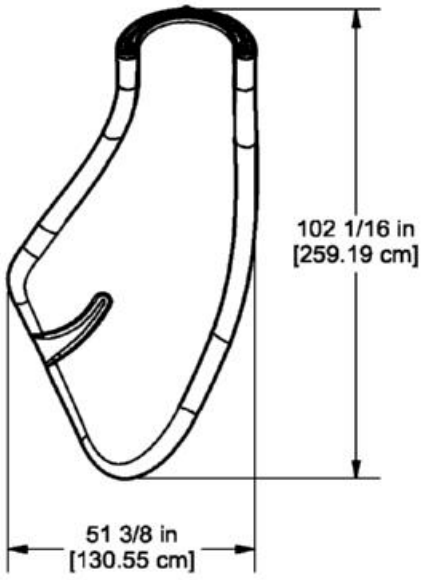
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71902



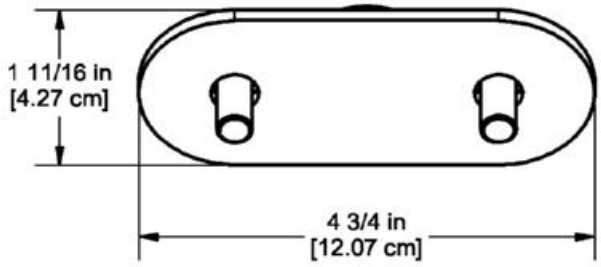
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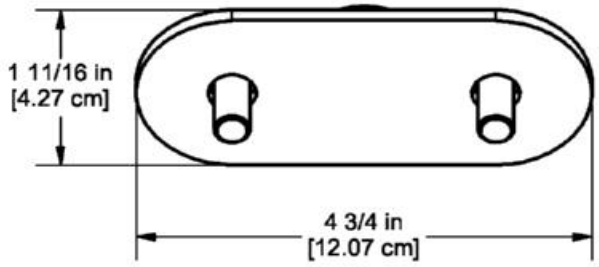
72207

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

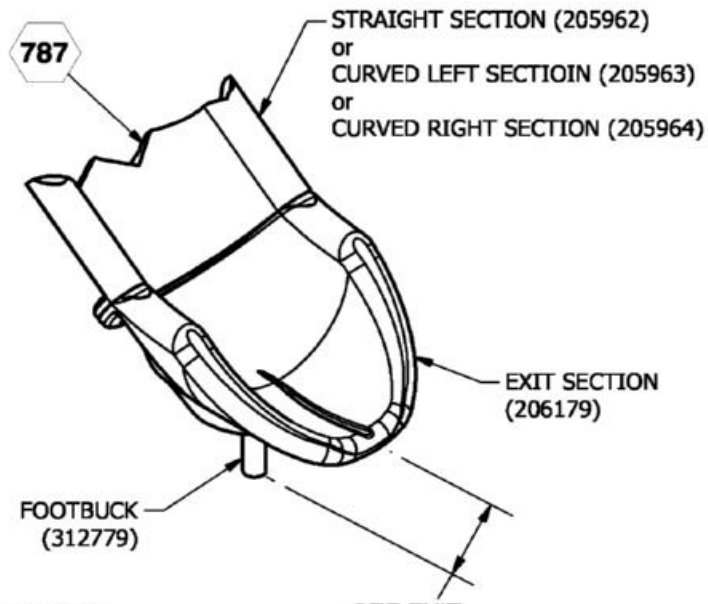
EXIT HEIGHT CHART -for- 4' 8" and Over	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	7" TO 15"
CSA	175mm TO 380mm
EN	350mm OR LESS

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

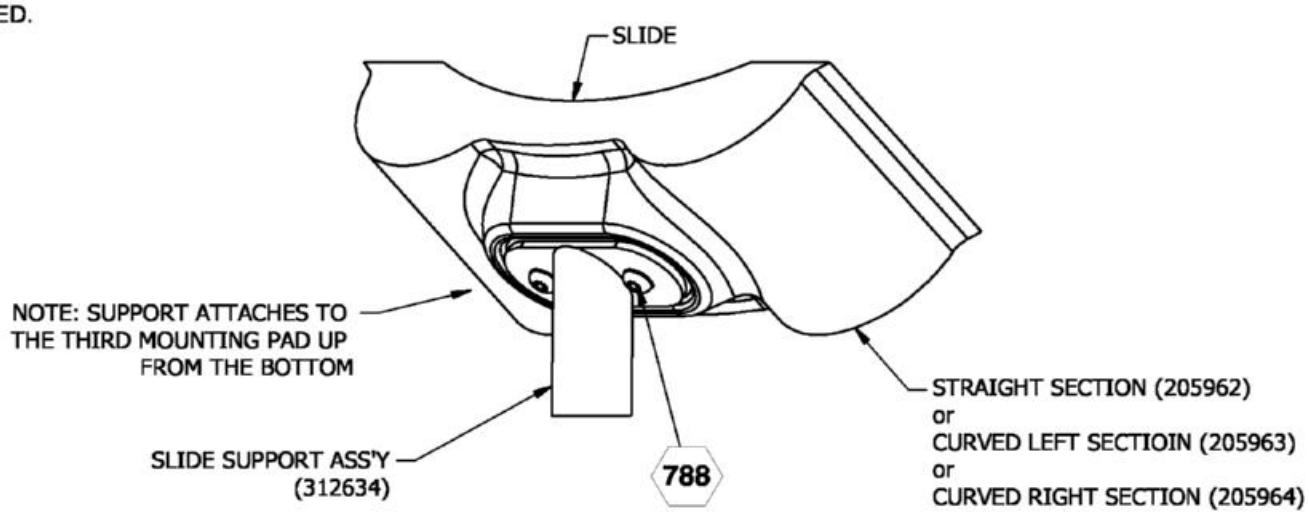
NOTE: THE SLOPE OF THE EXIT REGION SHALL BE BETWEEN 0 AND -10° AS MEASURED FROM A PLANE PARALLEL TO THE UNDERLYING SURFACE.

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

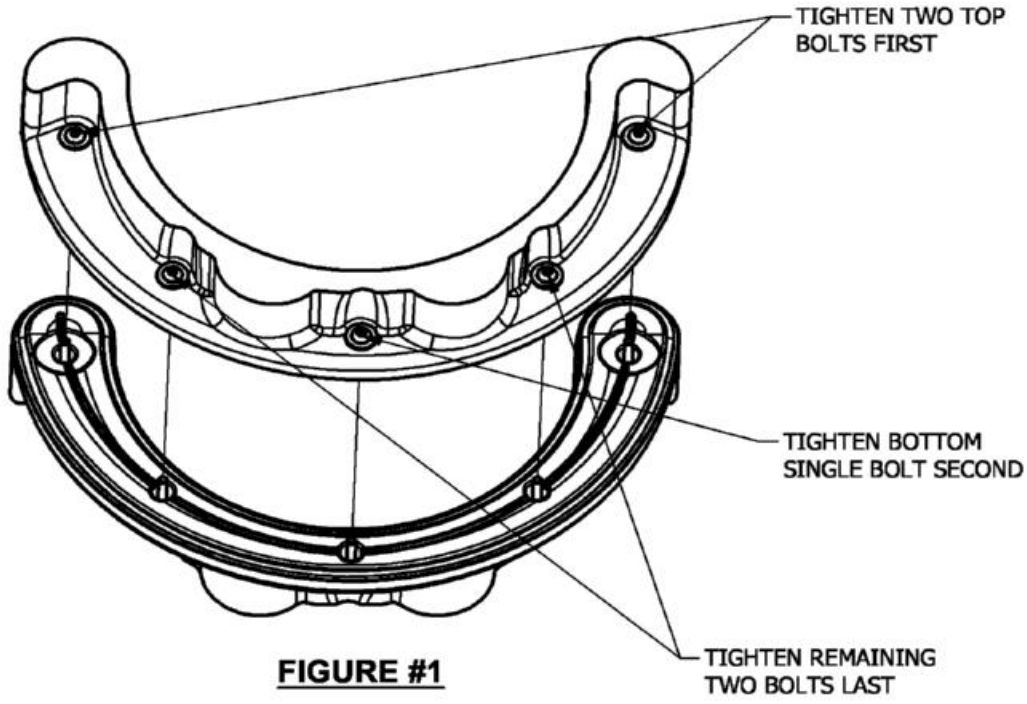


FIGURE #1

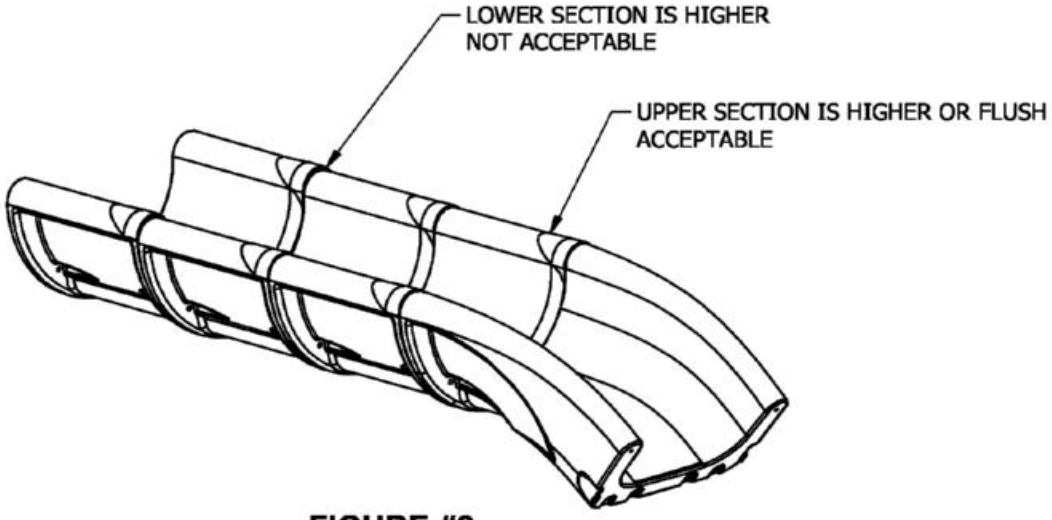
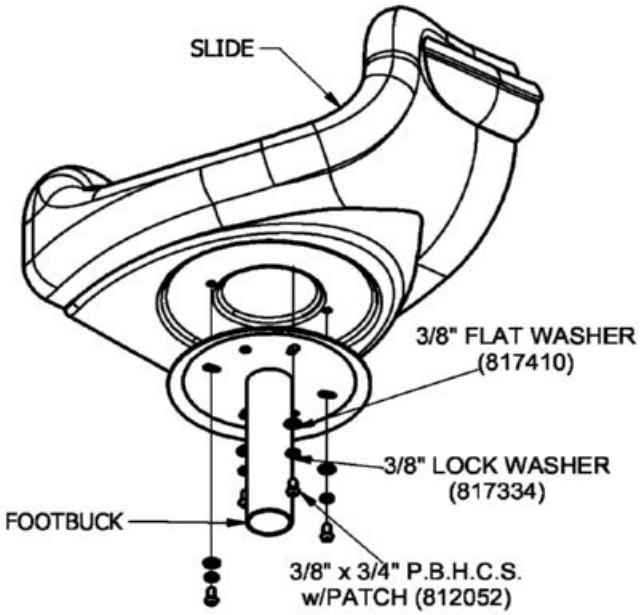


FIGURE #2

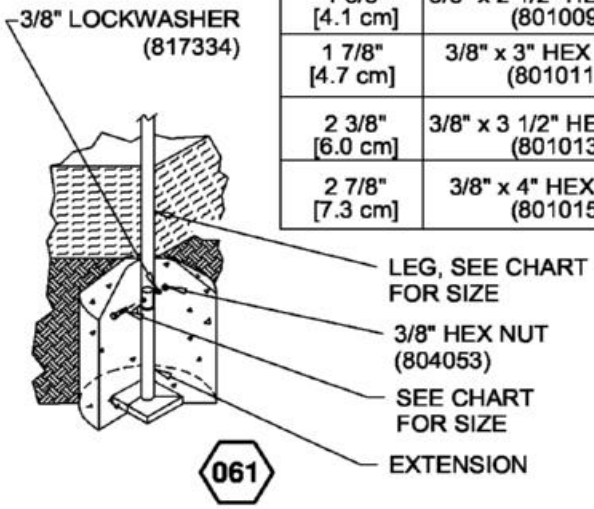
71674 1' STRAIGHT SECTION; 71715 2' STRAIGHT SECTION; 71675 CURVE LEFT SECTION; 71676 CURVE RIGHT SECTION; 71677 EXIT SECTION; 71678 SLIDE SUPPORT; 71902 SLIDE SUPPORT 2; 71903 LONG EXIT SECTION; 72207 SURGE EXIT SECTION



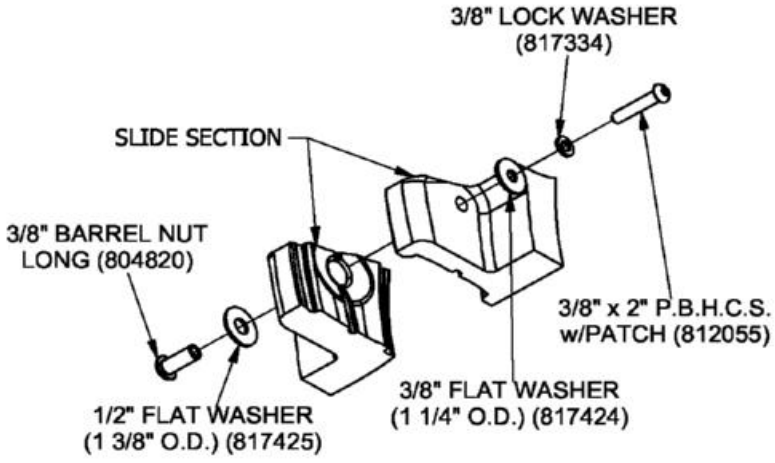
SOME SLIDES WILL ONLY HAVE TWO BOLTS PER FOOTBUCK CONNECTION

024

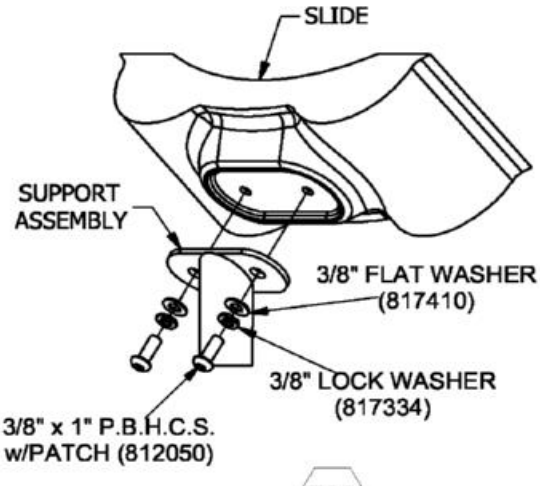
LEG (PIPE DIA.)	BOLT REQUIRED
1 5/16" [3.3 cm]	3/8" x 2" HEX HEAD (801007)
1 5/8" [4.1 cm]	3/8" x 2 1/2" HEX HEAD (801009)
1 7/8" [4.7 cm]	3/8" x 3" HEX HEAD (801011)
2 3/8" [6.0 cm]	3/8" x 3 1/2" HEX HEAD (801013)
2 7/8" [7.3 cm]	3/8" x 4" HEX HEAD (801015)



061

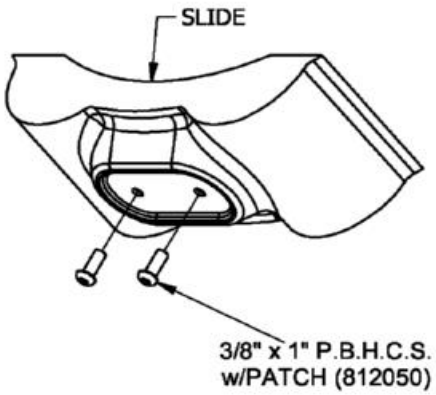


787



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

SuperMax Play Systems

71747 SWITCHBACK PANEL

Parts List		
DESCRIPTION	QTY	PART NUMBER
SUPPORT PIPE	2	307586
PANEL ADAPTER	2	309919
TWIST BEARING ASS'Y	1	313564
SM ACTIVITY PANEL	1	313586
HARDWARE COMPLETE	1	313464
1/4" x 3/4" SET SCREW	4	811545*
3/8" x 1" P.B.H.C.S. w/PATCH	2	812050*
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	8	812053*
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	812056*
3/8" FLAT WASHER	8	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	6	817424*
3/8" LOCK NUT	2	804353*
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. 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. Attach Twist Bearing Ass'y to Activity Panel using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 795.

2. Attach Panel Adapter to Activity Panel using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), 1/4" x 3/4" Set Screw, and 3/8" Barrel Nut. See Detail 450.

3. Place Support Pipes in slots of deck and attach using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Lock Nut. See Detail 188. Slide Activity Panel onto the Support Pipes. **Note:** Pipes are smashed to one side. Refer to Detail for orientation.

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

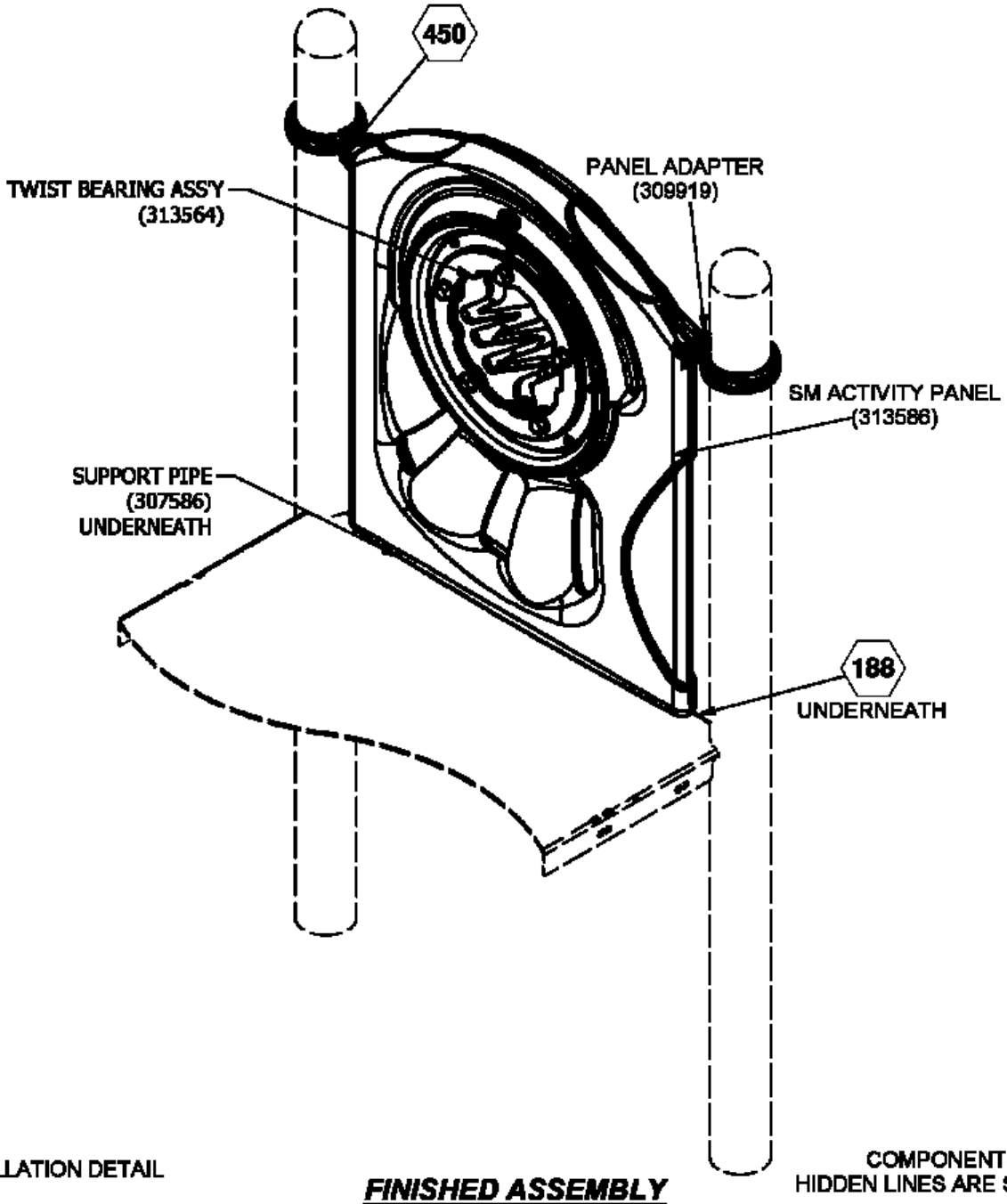
5. After entire unit is assembled pour concrete footings within 4' to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use.

6. When 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.

71747 SWITCHBACK PANEL

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.

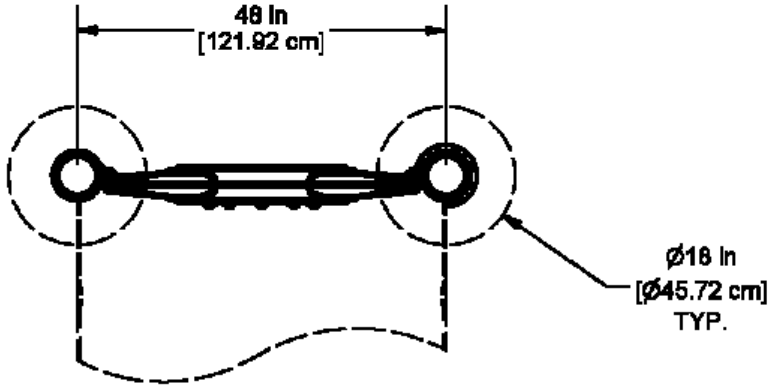


⬡ = INSTALLATION DETAIL

FINISHED ASSEMBLY

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

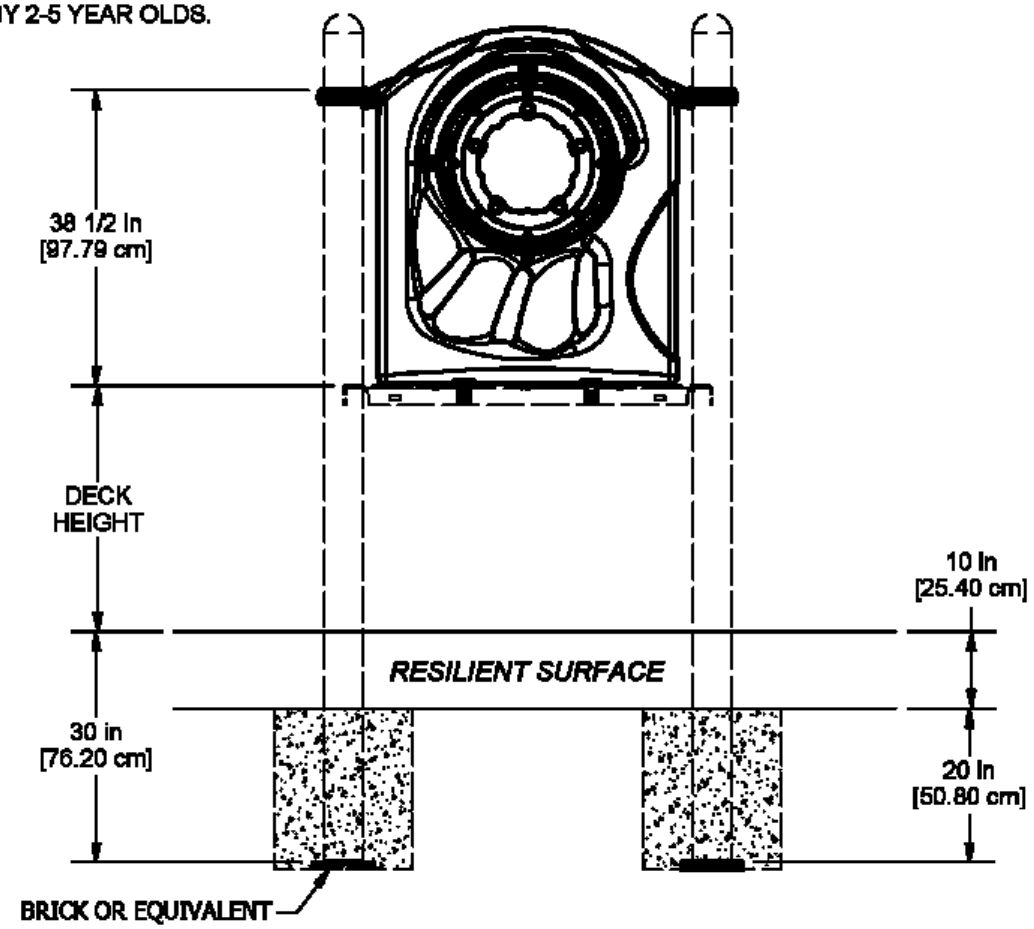
71747 SWITCHBACK PANEL



NOTE:
TOP EDGE OF PANEL MUST BE 38" [965mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 5-12 YEAR OLDS.

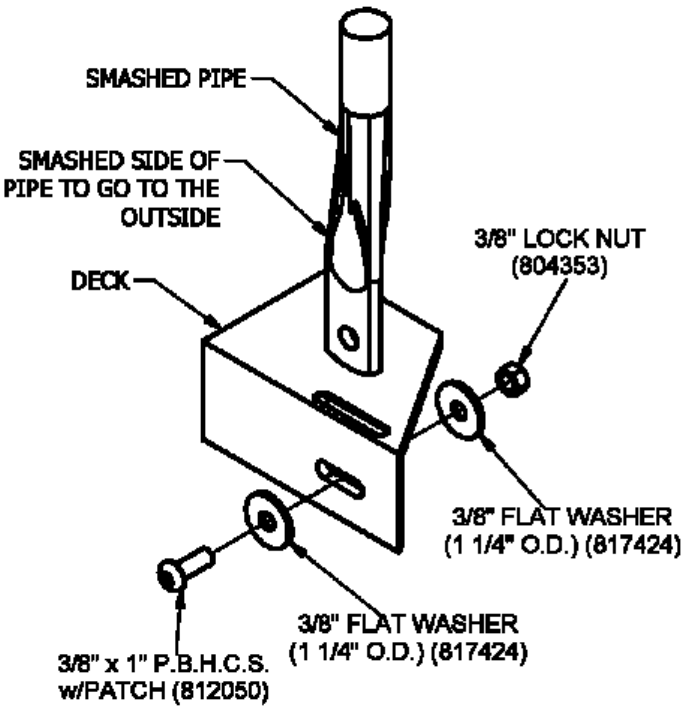
TOP EDGE OF PANEL MUST BE 29" [736mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 2-5 YEAR OLDS.

PLAN VIEW



ELEVATION VIEW

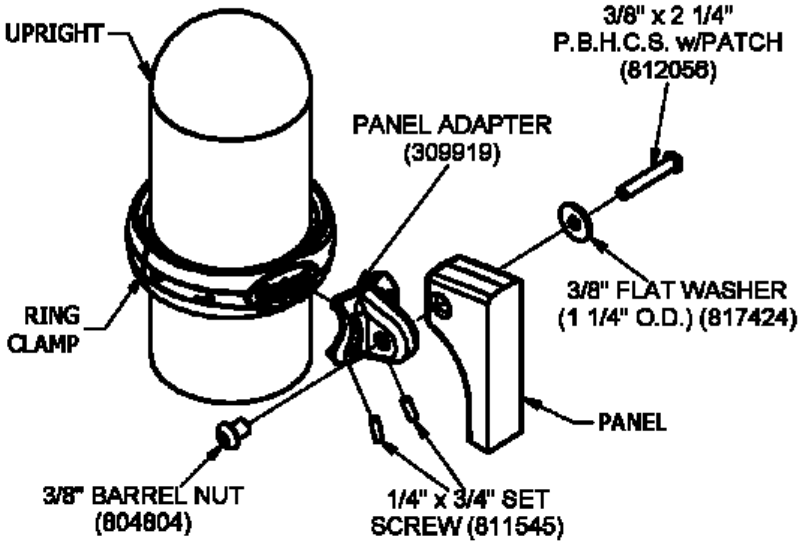
71747 SWITCHBACK PANEL



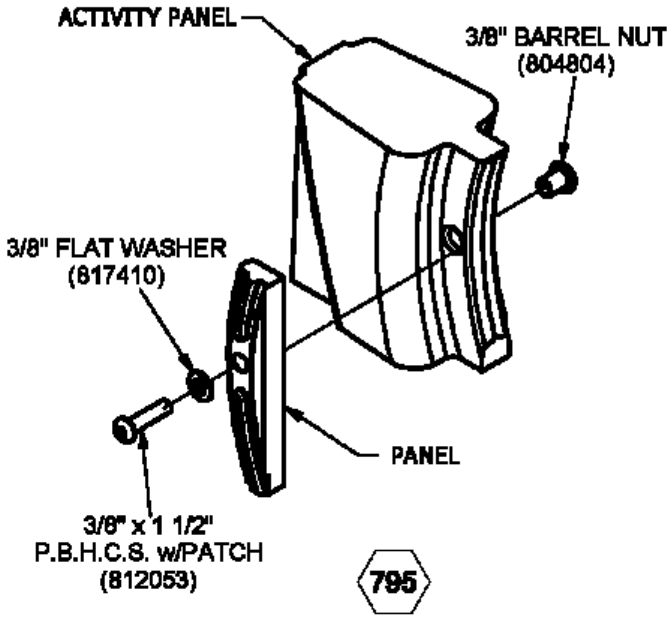
188

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.



450



795

71748 BUZZ GAME PANEL ROTOGEN

Parts List		
DESCRIPTION	QTY	PART NUMBER
BUZZ REACTION GAME w/ BACK 20" ROTOGEN	1	218228
SUPPORT PIPE	2	307586
PANEL ADAPTER	2	309919
SM ACTIVITY PANEL	1	313586
HARDWARE COMPLETE	1	313459
1/4" x 3/4" SET SCREW	4	811545*
3/8" x 1" P.B.H.C.S. w/PATCH	2	812050*
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	6	812056*
3/8" x 2 3/4" P.B.H.C.S. w/PATCH	4	812058*
3/8" FLAT WASHER	8	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	6	817424*
3/8" LOCK NUT	2	804353*
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. 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.

71748 BUZZ GAME PANEL ROTOGEN

INSTALLATION INSTRUCTIONS:

1. Attach Buzz Game Panel Ass'y and the Two Half Rings to SM Activity Panel using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. Make sure the recesses on the Half Rings face away from Activity Panel, and the 3/8" Barrel Nuts are placed in the recesses. See Detail 816.

2. Attach the 1/2" thick HDPE Buzz Game Back Cover to the Half Rings, SM Activity Panel and Buzz Game Panel using 3/8" x 2 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. as shown in Detail 817.

3. Attach Panel Adapter to Activity Panel using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), 1/4" x 3/4" Set Screw, and 3/8" Barrel Nut. See Detail 450.

4. Place Support Pipes in slots of deck and attach using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Lock Nut. See Detail 188. Slide Activity Panel onto the Support Pipes. **Note:** Pipes are smashed to one side. Refer to Detail for orientation.

5. Slide Activity Panel onto the Support Pipes. Then attach 3 1/2" O.D. Deck Clamps to uprights using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Heavy Hex Nut, and 1/4" x 3/4" Drive Rivet. See Detail 052.

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

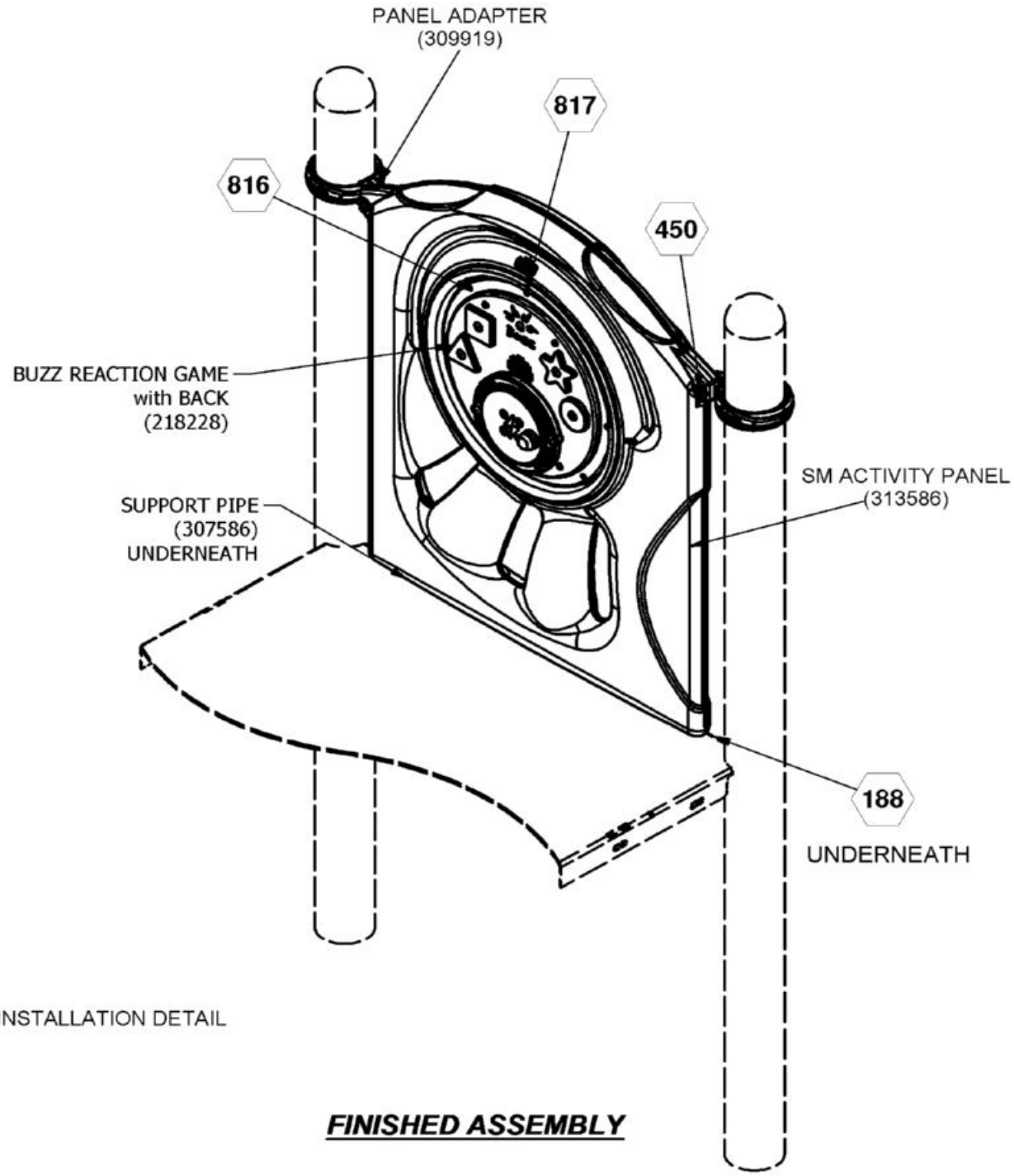
7. After entire unit is assembled pour concrete footings within 4' to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use.

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 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.

71748 BUZZ GAME PANEL ROTOGEN

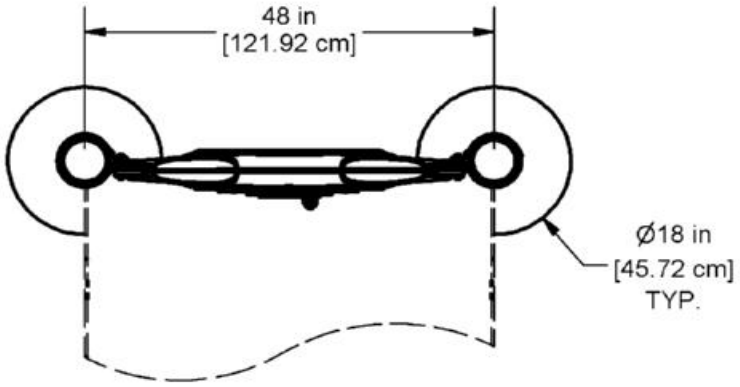


= INSTALLATION DETAIL

FINISHED ASSEMBLY

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

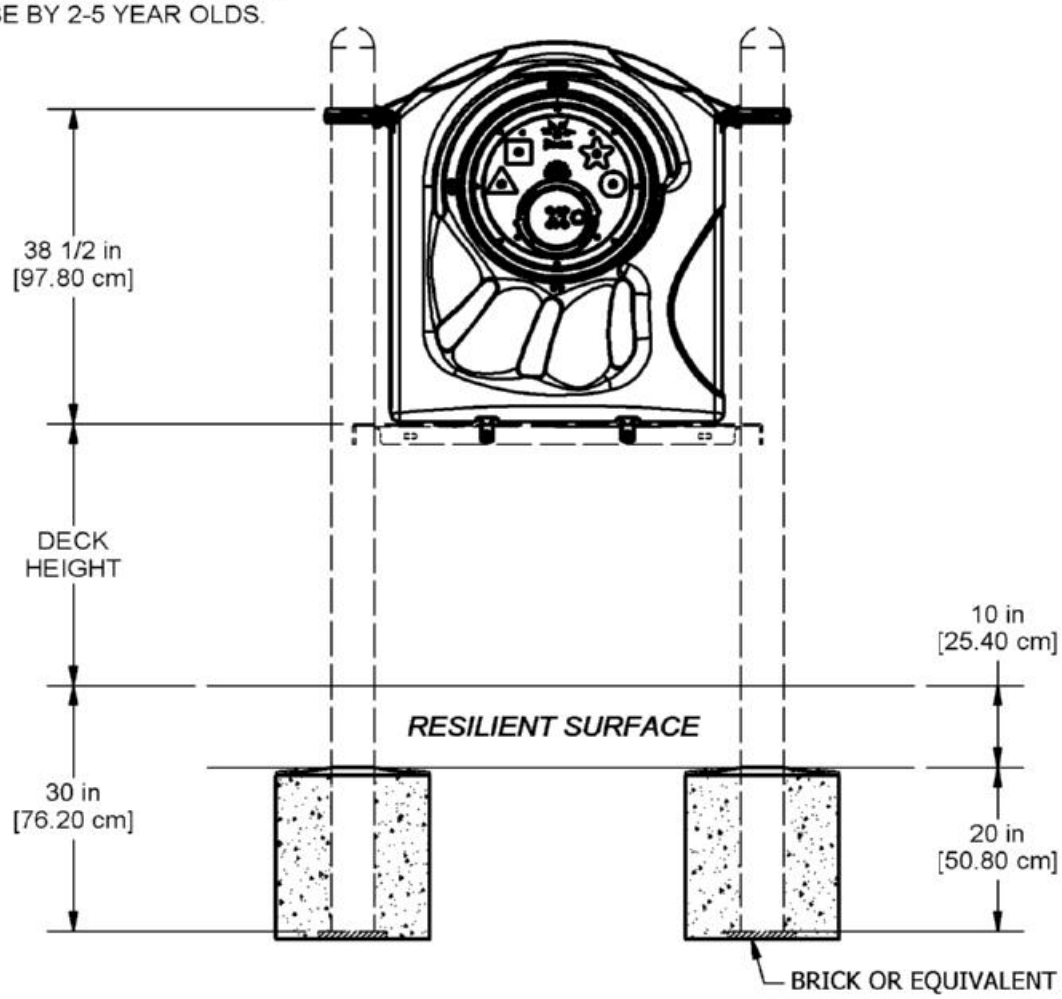
71748 BUZZ GAME PANEL ROTOGEN



NOTE:
TOP EDGE OF PANEL MUST BE 38" [965mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 5-12 YEAR OLDS.

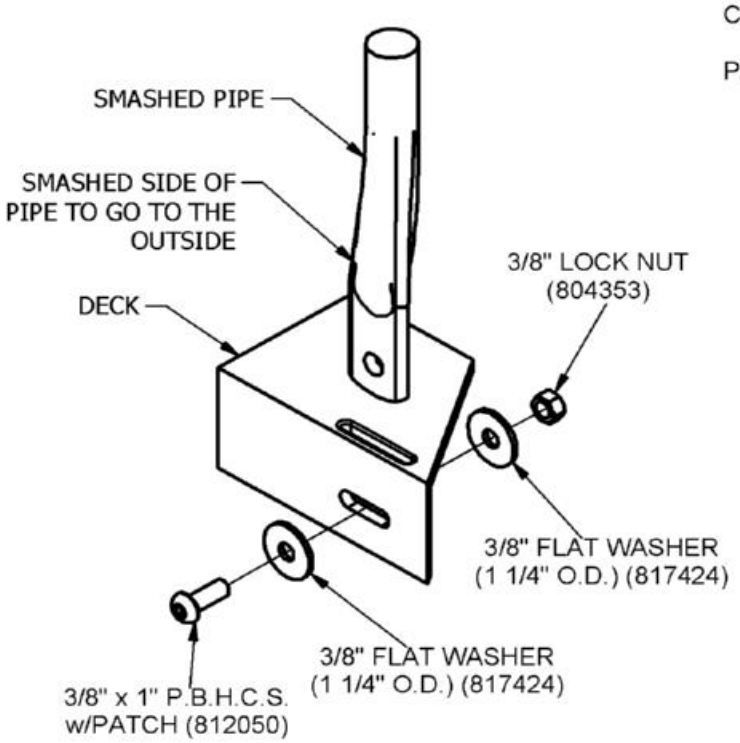
TOP EDGE OF PANEL MUST BE 29" [736mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 2-5 YEAR OLDS.

PLAN VIEW



ELEVATION VIEW

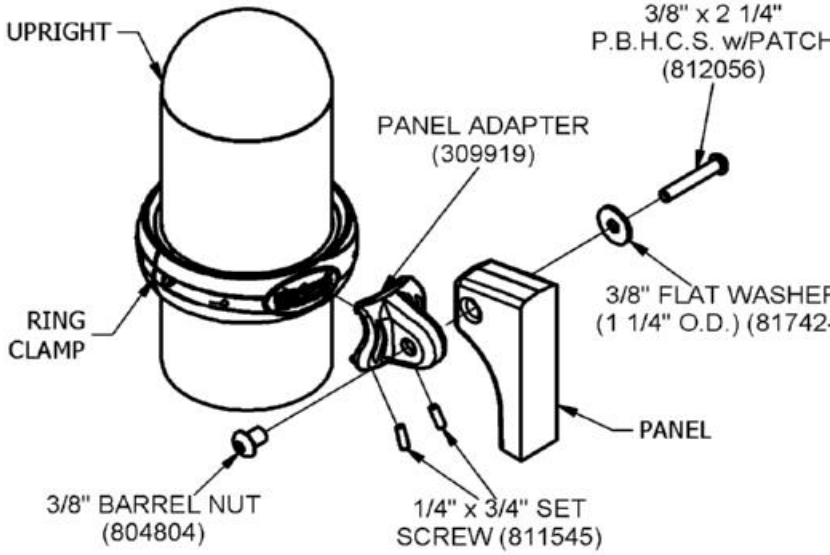
71748 BUZZ GAME PANEL ROTOGEN



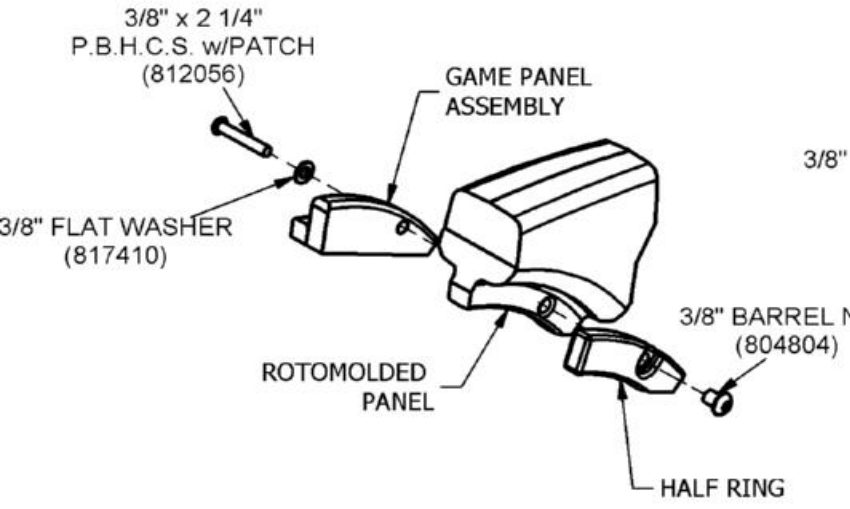
188

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

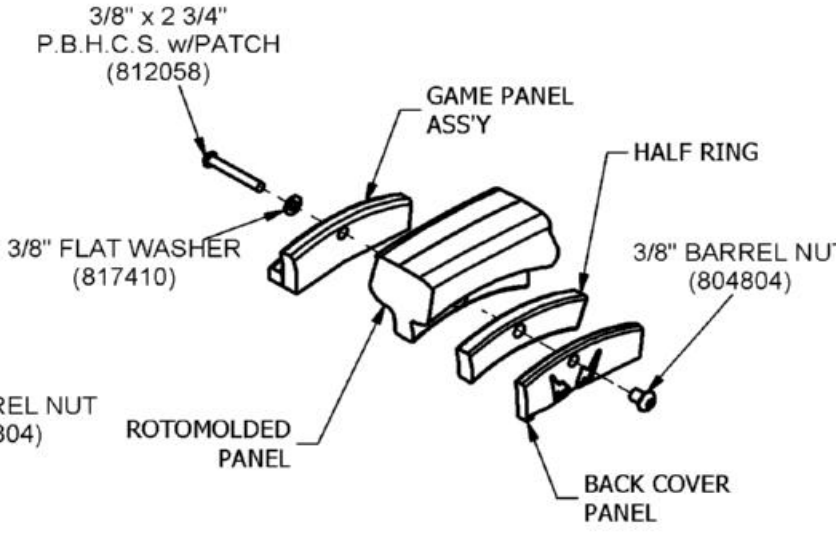
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.



450



816



817

71749 PIANO PANEL ROTOGEN

Parts List		
DESCRIPTION	QTY	PART NUMBER
SUPPORT PIPE	2	307586
PANEL ADAPTER	2	309919
PIANO SENSOR w/ BACK 20" ROTOGEN	1	218238
SM ACTIVITY PANEL	1	313586
--HARDWARE COMPLETE--	1	313459
1/4" x 3/4" SET SCREW	4	811545
3/8" x 1" P.B.H.C.S. w/PATCH	2	812050
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	6	812056
3/8" x 2 3/4" P.B.H.C.S. w/PATCH	4	812058
3/8" FLAT WASHER	8	817410
3/8" FLAT WASHER (1 1/4" O.D.)	6	817424
3/8" LOCK NUT	2	804353
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. 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.

71749 PIANO PANEL ROTOGEN

INSTALLATION INSTRUCTIONS:

1. Attach Piano Game Panel Ass'y and the Two Half Rings to SM Activity Panel using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. Make sure the recesses on the Half Rings face away from Activity Panel, and the 3/8" Barrel Nuts are placed in the recesses. See Detail 816.

2. Attach the 1/2" thick HDPE Piano Game Back Cover to the Half Rings, SM Activity Panel and Piano Game Panel using 3/8" x 2 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. as shown in Detail 817.

3. Attach Panel Adapter to Activity Panel using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), 1/4" x 3/4" Set Screw, and 3/8" Barrel Nut. See Detail 450.

4. Place Support Pipes in slots of deck and attach using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Lock Nut. See Detail 188. Slide Activity Panel onto the Support Pipes. **Note:** Pipes are smashed to one side. Refer to Detail for orientation.

5. Slide Activity Panel onto the Support Pipes. Then attach 3 1/2" O.D. Deck Clamps to uprights using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Heavy Hex Nut, and 1/4" x 3/4" Drive Rivet. See Detail 052.

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

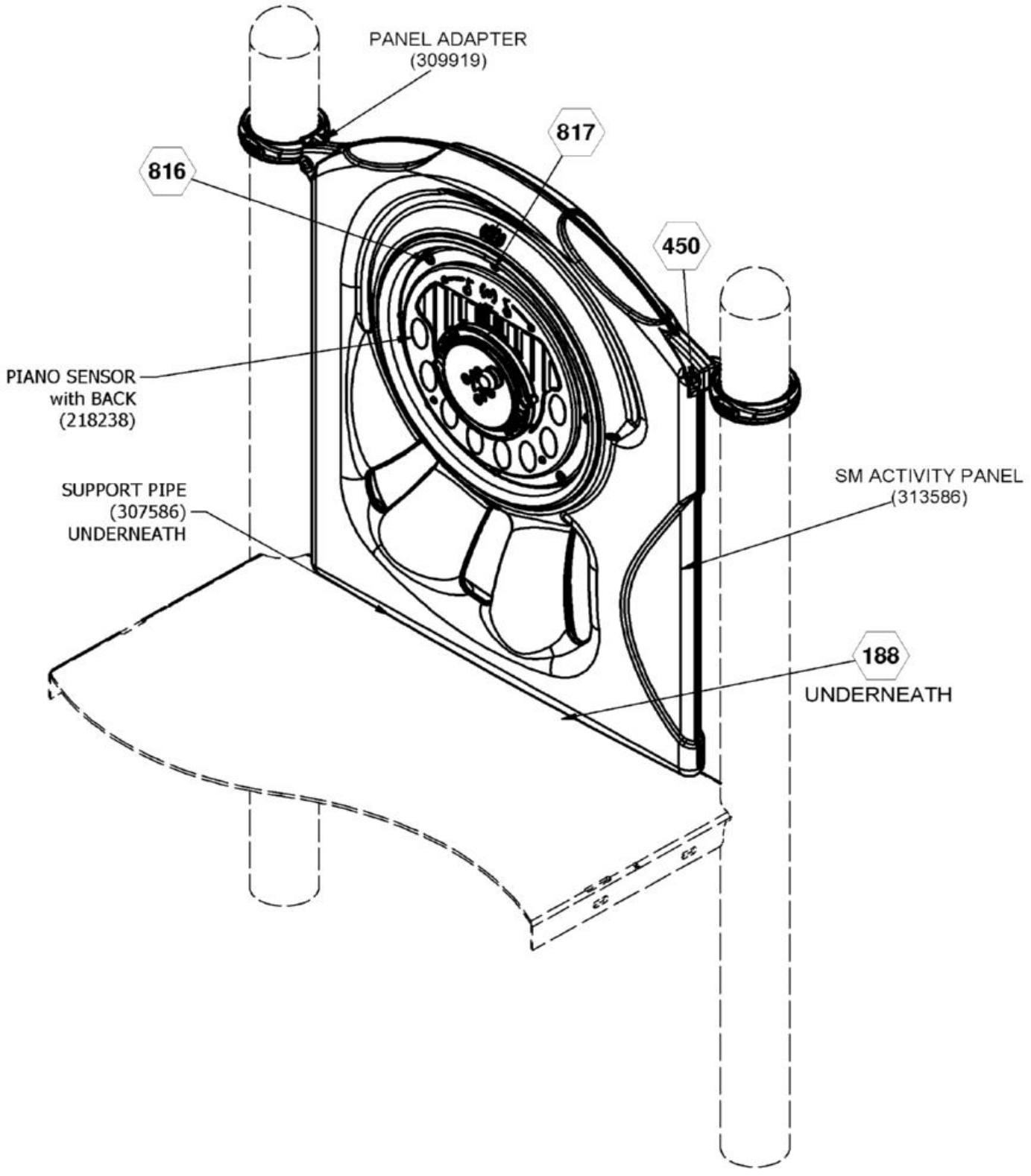
7. After entire unit is assembled pour concrete footings within 4' to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use.

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 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.

71749 PIANO PANEL ROTOGEN

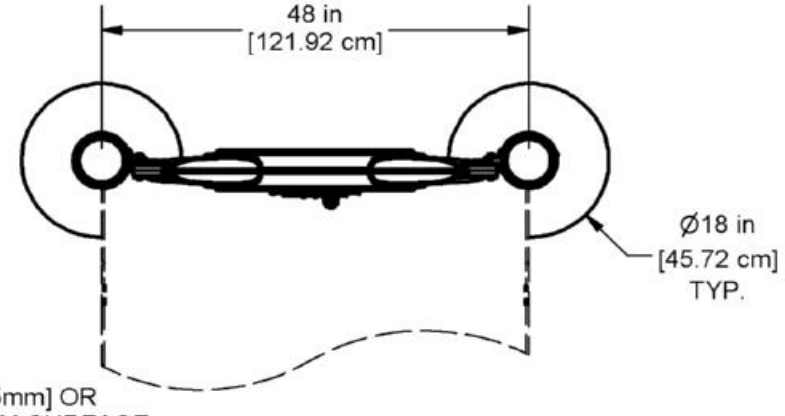


⬡ = INSTALLATION DETAIL

FINISHED ASSEMBLY

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

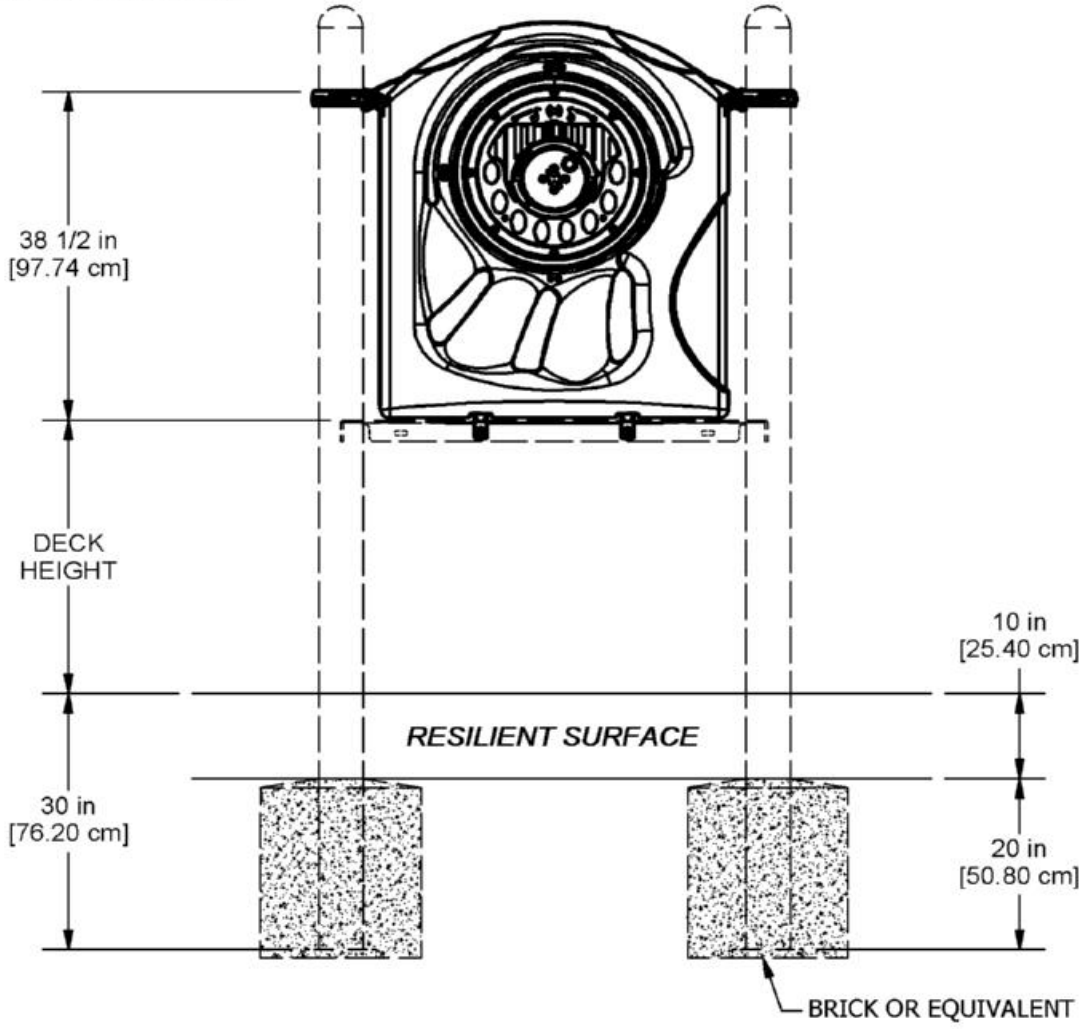
71749 PIANO PANEL ROTOGEN



NOTE:
TOP EDGE OF PANEL MUST BE 38" [965mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 5-12 YEAR OLDS.

PLAN VIEW

TOP EDGE OF PANEL MUST BE 29" [736mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 2-5 YEAR OLDS.

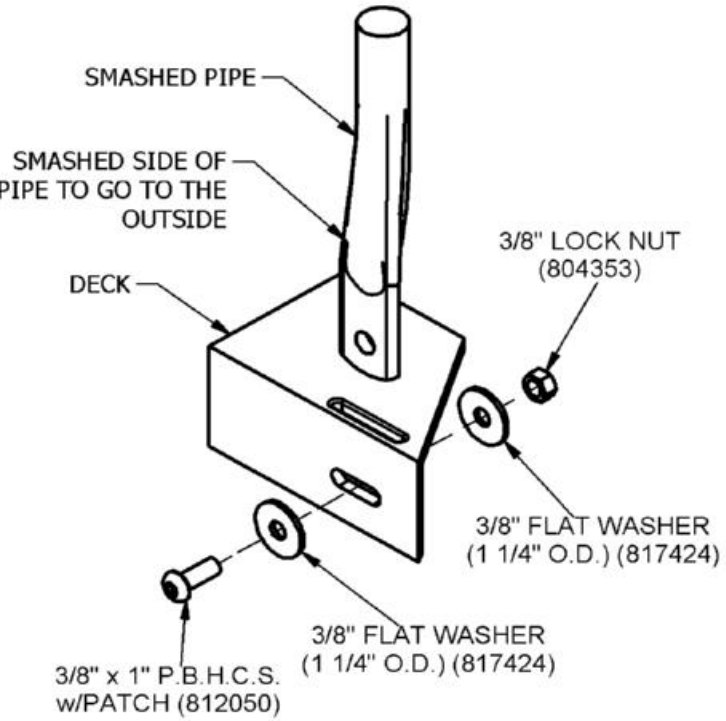


ELEVATION VIEW

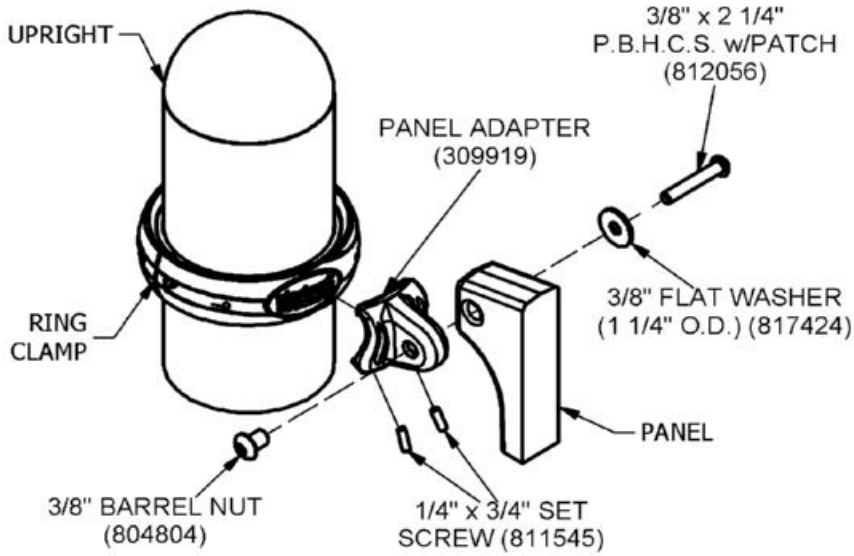
71749 PIANO PANEL ROTOGEN

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

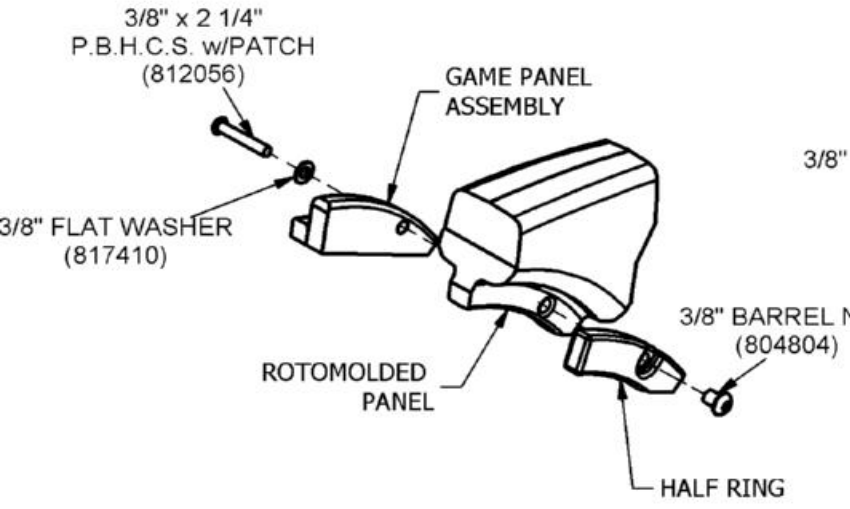
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.



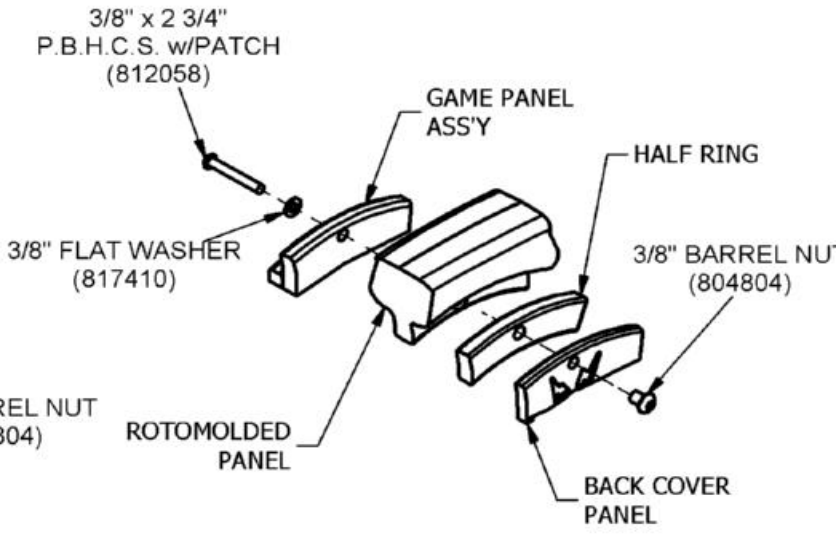
188



450



816



817

SuperMax Play Systems

71872 4 DECK SQUARE SHADE

Parts List		
DESCRIPTION	QTY	PART NUMBER
END CASTING	4	179789
LONG CANOPY BRACE	4	179821
UPRIGHT EXTENSION	4	179824
BOTTOM PLATE	1	200149
TOP PLATE	1	200151
UPPER TUBE ASS'Y	4	314574
INGROUND EXTENSION	4	200053
FABRIC PACKAGE FOR SQUARE CANOPY FABRIC SHADE	1	214366
CABLE/CLAMP PACKAGE FOR SQUARE CANOPY FABRIC SHADE	1	214371
CABLE (3/16" x 86')	1	
CABLE CLAMP	1	
HARDWARE COMPLETE	1	309451
3/8" BARREL NUT	8	804804
3/8" LOCK WASHER	8	817334
3/8" FLAT WASHER	8	817410
3/8" x 5" P.B.H.C.S. w/PATCH	8	812078
1/2" ANCHOR ROD	8	135038
1/2" LOCKNUT	20	804355
1/2" LOCKWASHER	20	817342
1/2" FLAT WASHER	8	817412
1/2" X 1 1/4" HEX HEAD BOLT	8	801204
1/2" x 5 1/2" HEX HEAD BOLT	4	801221
1/2" X 6 1/2" CARRIAGE BOLT	8	800376
5/8" HEX NUT	4	804057
5/8" LOCKWASHER	4	817350
5/8" x 2" HEX HEAD BOLT	4	801312
#12 x 3/4" SS SELF DRILLING SCREW	8	810072

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.

SuperMax Play Systems

71872 4 DECK SQUARE SHADE

INSTALLATION INSTRUCTIONS:

1. Installation of the Shade must be done after the playground has been installed, and concrete has cured. Approximately 48 hrs. (Refer to Detail 370 for footing requirements of uprights that support shade).

2. Attach four Upright Extensions to the uprights using 3/8" x 5" P.B.H.C.S. Patch, 3/8" Lock Washer, 3/8" Flat Washer and 3/8" Barrel Nut. See Detail 373.

3. Attach four Long Canopy Braces to Upright Extensions using 1/2" x 1 1/4" Hex Head Bolt, 1/2" Lock Washer and 1/2" Lock Nut. ***Important:*** Do not tighten any bolts. Braces must be left loose so they can rotate into position to attach the Upper Tube Ass'y. See Detail 375.

4. Place four Shade End Castings into the Upper Tube Ass'y and attach using #12 x 3/4" Self Tapping Screw. See Detail 376. ***Note:*** Pin on the Casting must be positioned opposite from tabs on Upper Tube Ass'y.

5. Attach Upper Tube Ass'y to Upright Extensions using 5/8" x 2" Hex Head Bolt, 5/8" Lock Washer and 5/8" Hex Nut. See Detail 378.

6. Attach the loose end of the Long Canopy Braces to the Upper Tube Ass'y using 1/2" x 1 1/4" Hex Head Bolt, 1/2" Lock Washer and 1/2" Lock Nut. See Detail 375.

7. Attach Top Plate and Bottom Plate to the Upper Tube Ass'y using 1/2" x 6 1/2" Carriage Bolt, 1/2" Flat Washer, 1/2" Lock Washer and 1/2" Lock Nut. See Detail 379.

8. Identify the top of the Fabric. The logo will be on the bottom of the Fabric.

9. Starting at the corner with the jump-out holes (Detail 929) thread the steel cable through the channel at the edge of the fabric until it comes out the other side. Continue doing this all the way around the Fabric until the entire Fabric has been encircled. Leave a loop of approximately 9 inches at each corner.

10. Spread the Fabric over the frame securing two opposite corners to the pins in the Shade End Castings. ***Note:*** The Steel Cable must always pass under the pin in each Casting.

11. Place the cable into the groove of castings at the remaining corners and pull the Fabric down over the pins. It may be necessary to flap the loose corners up and down to stretch the Fabric so that it fits over the pins. See Detail 930.

12. There should be approximately 2' of Steel Cable left after the completion of step #11. Attach a come-along to one end of the Steel Cable. Attach the other end of the come-along to the adjacent upright (place protective fabric between the come-along and the upright to protect the paint). Tension the come-along slightly. Check again to make sure the Steel Cable is still under the Shade End Casting pins.

13. Attach a second come-along to the other Steel Cable and to the opposite upright.

14. Take turns tensioning each come-along 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 Fabric by hitting the perimeter Steel Cable with the palm of your hand to see how much it moves. If the Fabric does not move more than 6" up or down then you have the correct tension. If Fabric bounces and has a ripple affect then you may need to apply more tension.

15. Using the clamps provided, fasten the Steel Cables together. Both clamps must be used. See Detail 929.

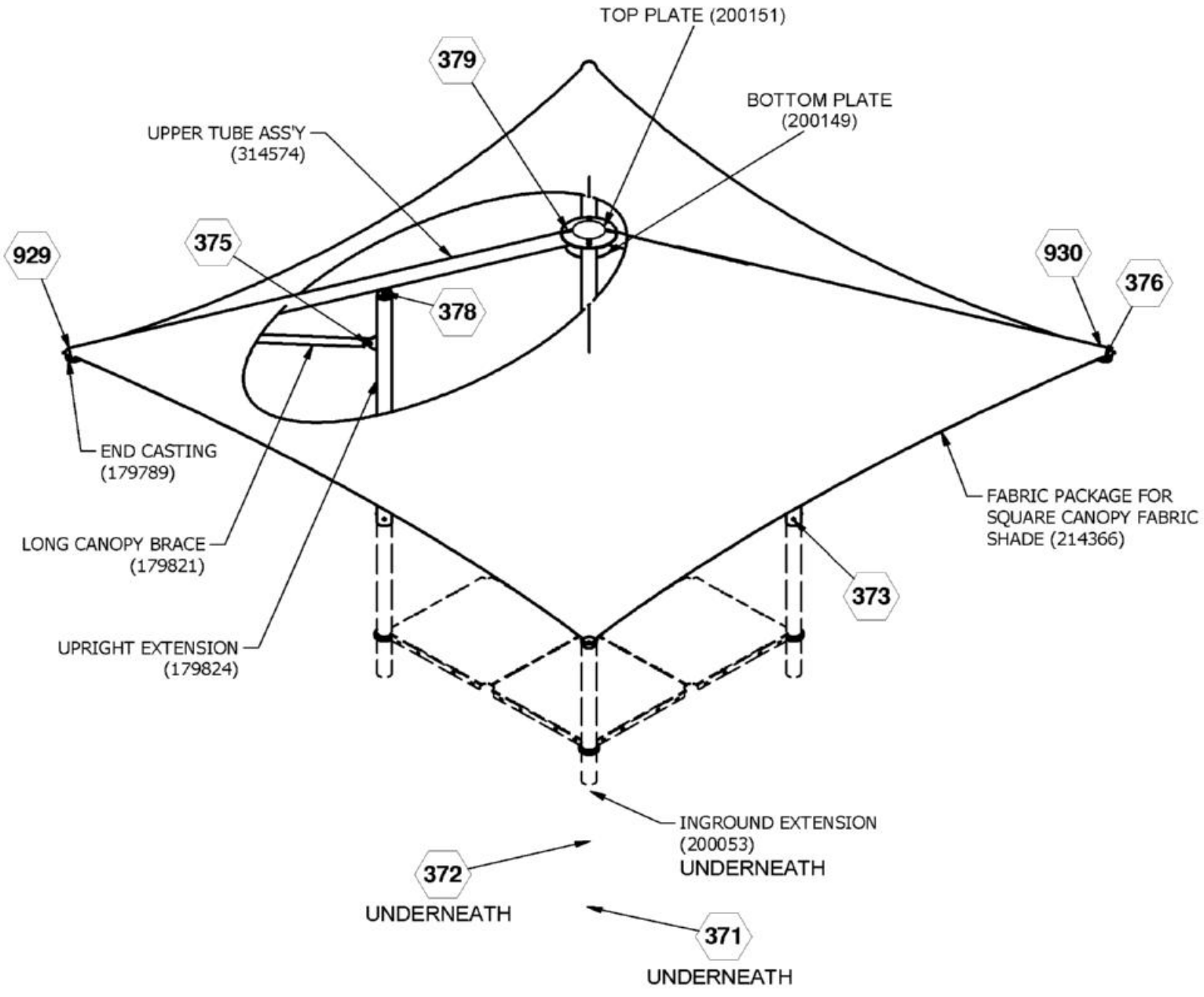
16. After clamps are tightened, thread the excess Steel Cable back into the sleeve in the Fabric. If any portion of the Steel Cable was bent/kinked during the tensioning process, it must be straightened by bending the Steel Cable back in the opposite direction of the bend.

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

71872 4 DECK SQUARE SHADE



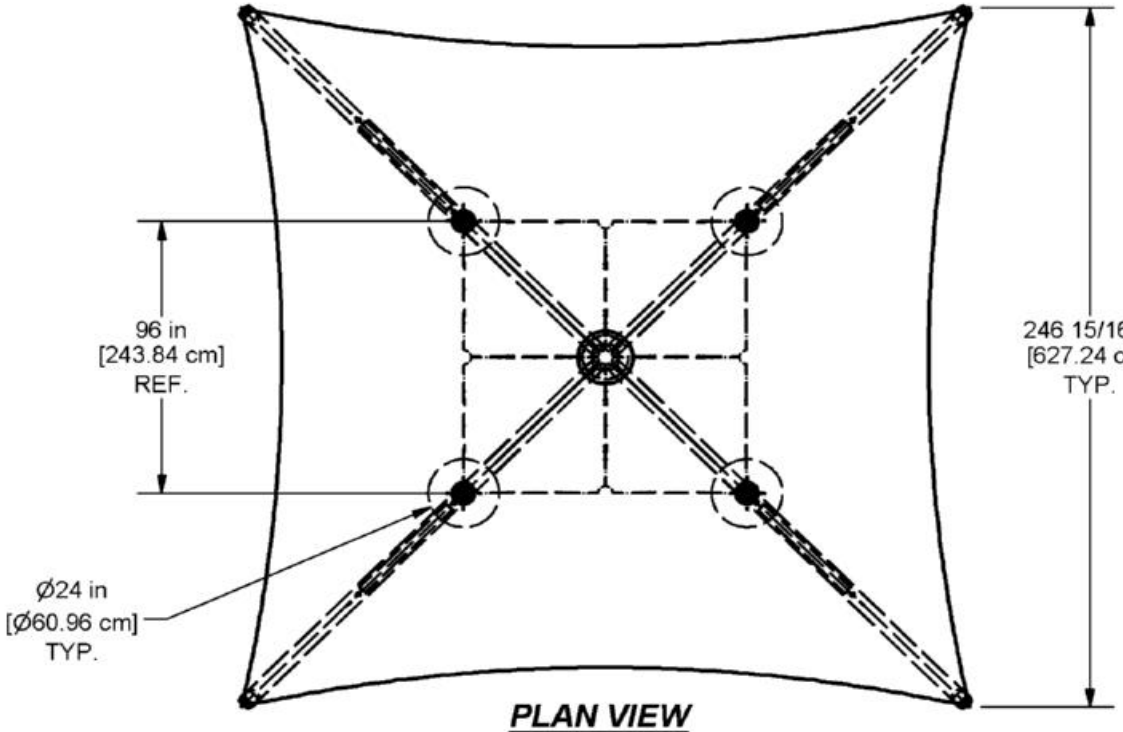
= INSTALLATION DETAIL

FINISHED ASSEMBLY

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

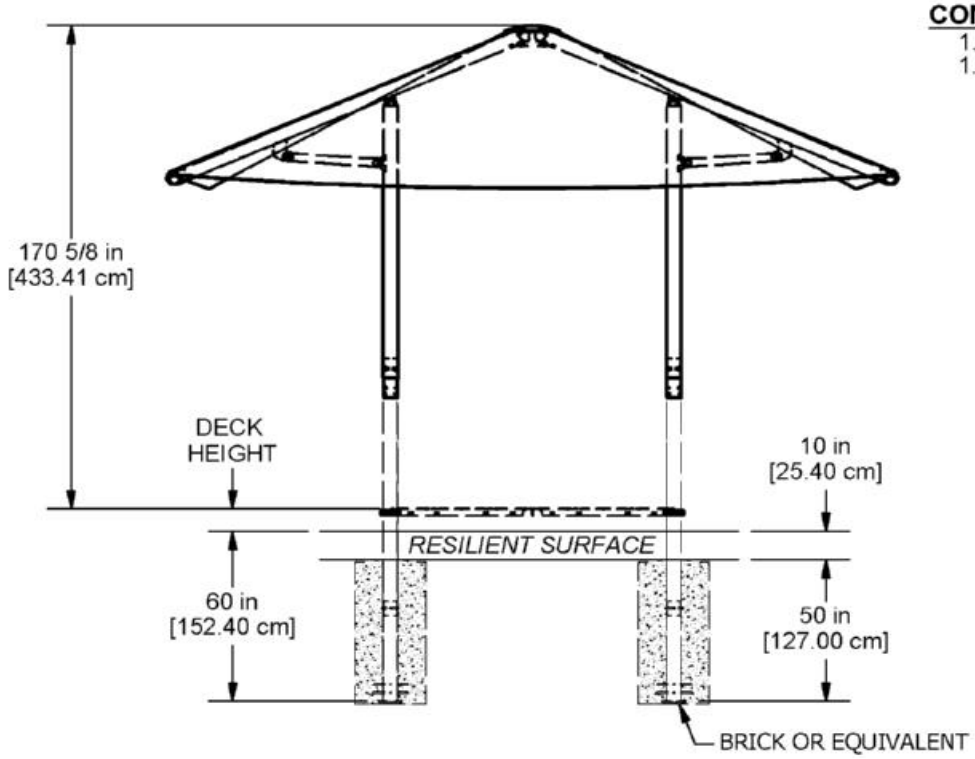
Issued/Revised: 8/30/2018

71872 4 DECK SQUARE SHADE



PLAN VIEW

CONCRETE REQUIRED
1.94 CUBIC YARDS
1.48 [CUBIC METERS]



ELEVATION VIEW

71872 4 DECK SQUARE SHADE

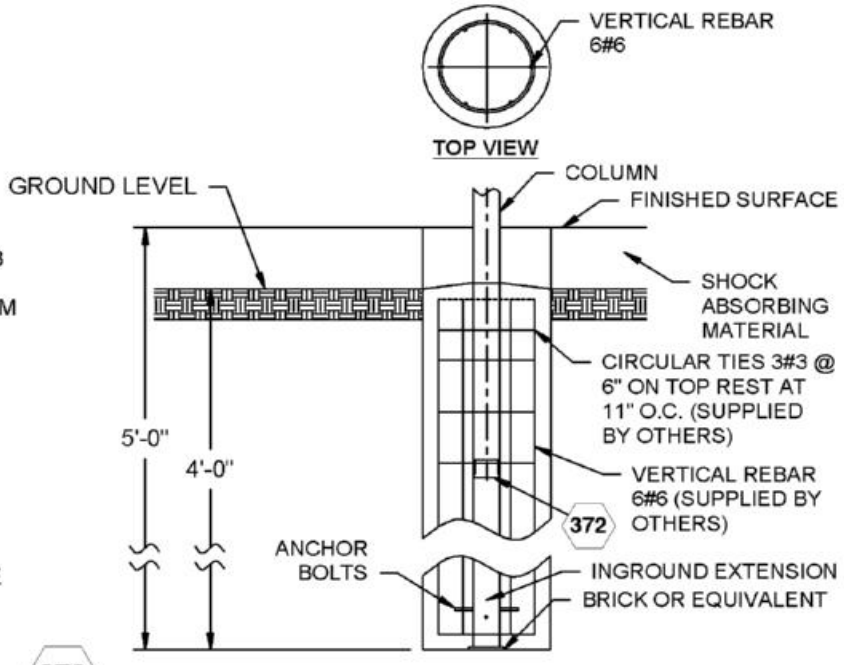
REINFORCED CONCRETE

1. CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE. CONCRETE SPECIFICATIONS, SHALL BE AS FOLLOWS:
   - -28 DAY STRENGTH: 2500PSI
   - -SLUMP: 3-5
   - -PORTLAND CEMENT SHALL CONFORM TO C-150
   - -AGGREGATE SHALL CONFORM TO ASTM C-33

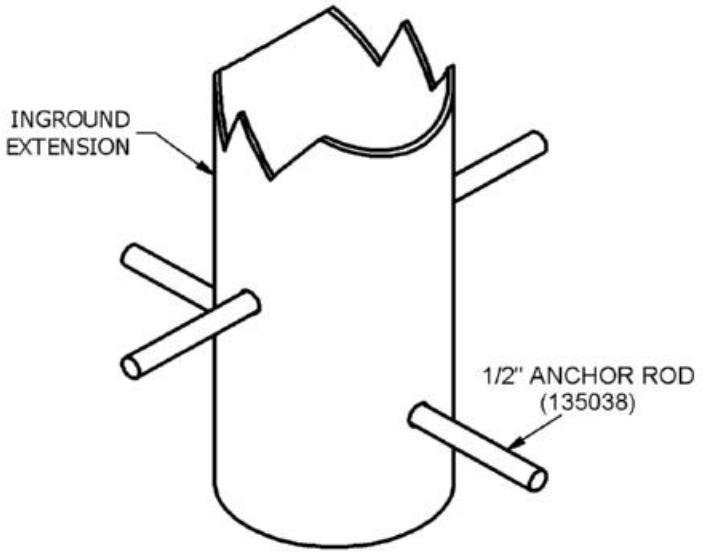
2. ALL REINFORCEMENT SHALL CONFORM TO ASTM A-615 GRADE 60
REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL AND CRSI MANUAL OF STANDARD PRACTICE.

3. ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 55 (GALVANIZED)

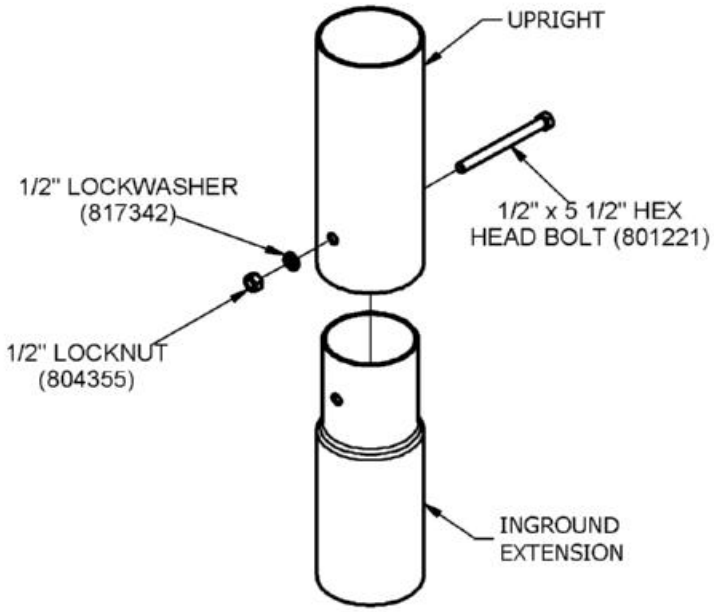
4. SOIL PARAMETERS FOR ANALYSIS TABLE 1804.2, CLASS : 5



370

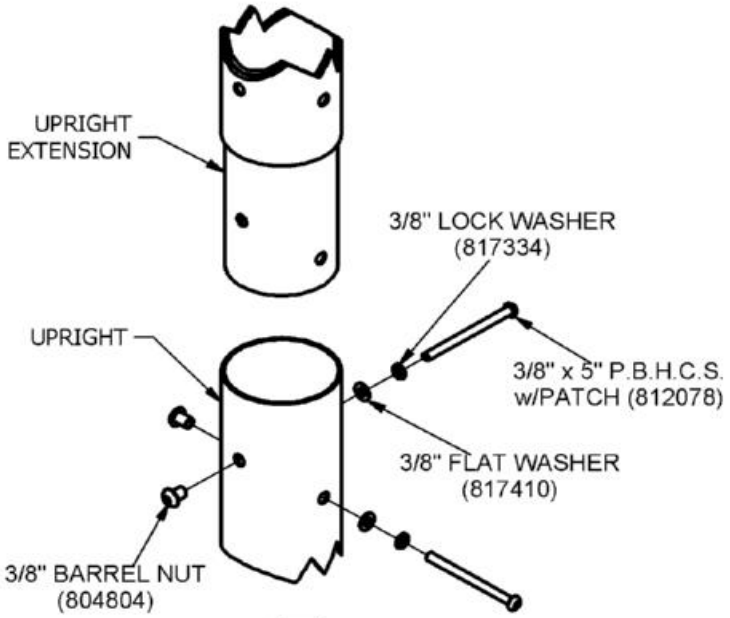


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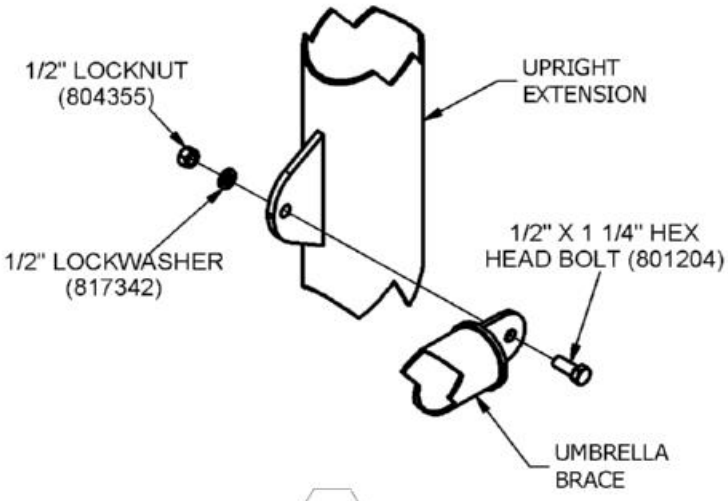


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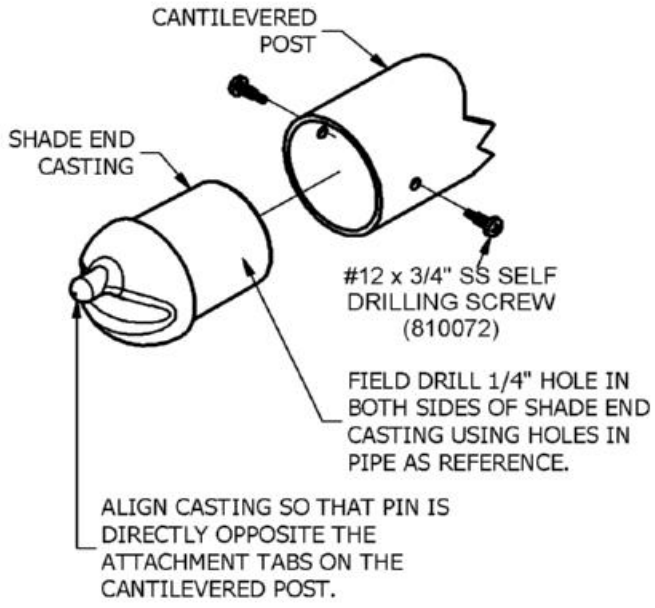
71872 4 DECK SQUARE SHADE



373

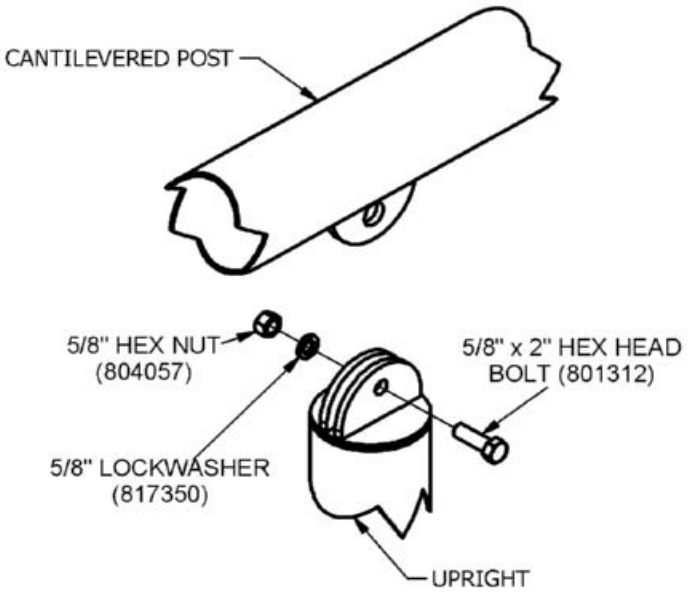


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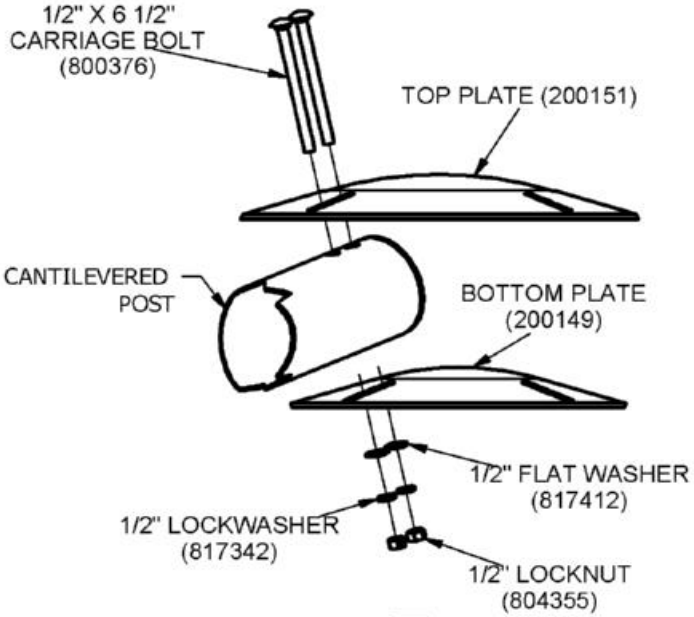


376

71872 4 DECK SQUARE SHADE



378

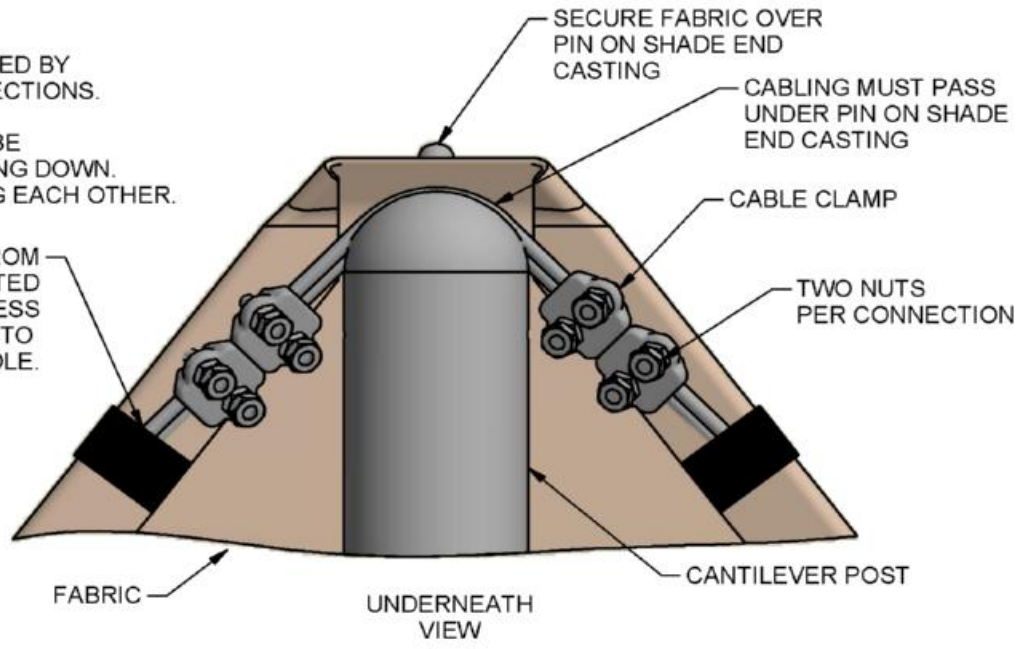


379

71872 4 DECK SQUARE SHADE

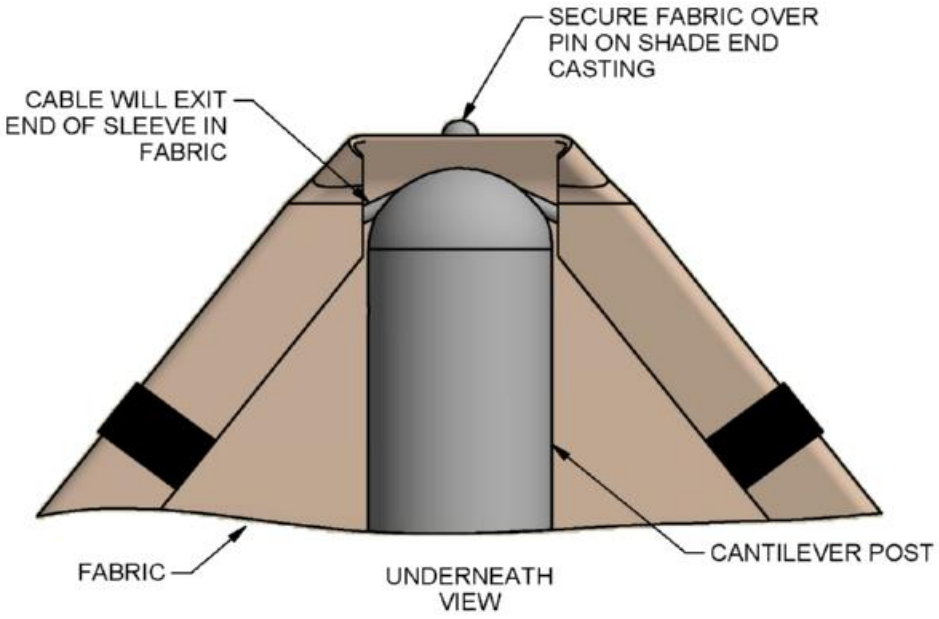
NOTE: ADD LOCTITE (SUPPLIED BY OTHERS) TO BOLTED CONNECTIONS.

NOTE: CABLE CLAMP MUST BE INSTALLED WITH NUTS FACING DOWN. CLAMPS MUST BE TOUCHING EACH OTHER.



UNDERNEATH VIEW

929



UNDERNEATH VIEW

930

SuperMax Play Systems

This equipment is designed for children 5-12 years old

71878 Large Alpine Climber

Parts List		
DESCRIPTION	QTY	PART NUMBER
3 1/2" DOME CAP	1	212996
TREE FIN PANEL	3	314722
TALL TREE ASSEMBLY	1	314726
HARDWARE COMPLETE	1	314730
3/16" x 13/32" DRIVE RIVET	2	805366
3/8" x 3/4" P.B.H.C.S. w/PATCH	12	812052
3/8" FLAT WASHER	12	817410
3/8" BARREL NUT	12	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.

INSTALLATION INSTRUCTIONS:

1. Dig footings at locations as shown in Footing Diagram. Refer to your overhead drawing for location.

2. Attach 3 1/2" Dome Cap to Tall Tree Ass'y. See Detail 597.

3. Attach Tree FIn PAnel to Tall Tree Ass'y. See Detail 602.

IMPORTANT! Make sure the distance from top edge of deck to transfer loop foot hold area is 13" min. to 16" max.

4. Place pre-assembled Tall Tree Assembly into appropriate Footing Hole.

5. 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.

6. After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post water drainage. Allow to cure at least 48 hours before use.

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 clamp are not designed to support substantial weight without them,*** Also eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nut, 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.

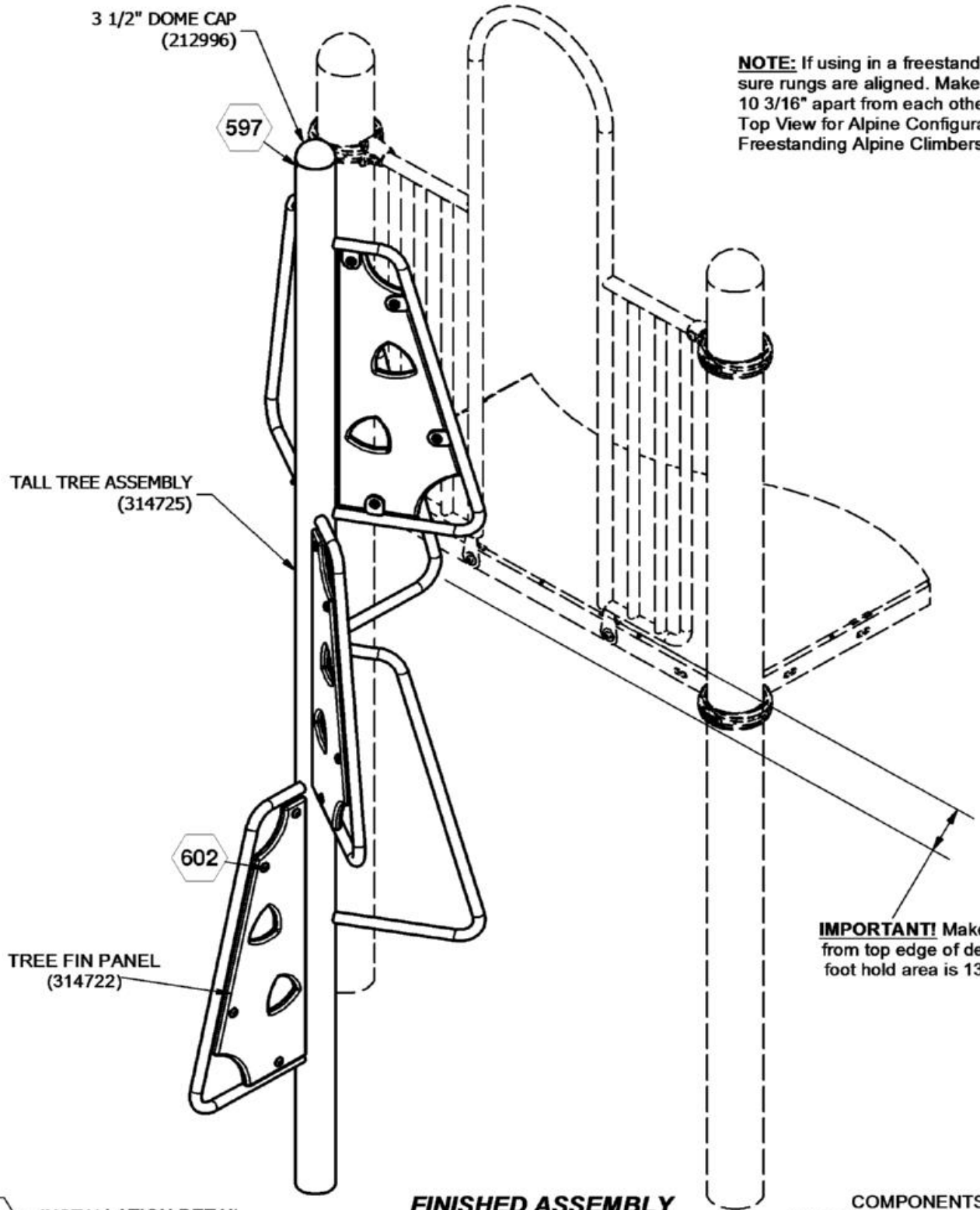
NOTE: If using in a freestanding setting make sure rungs are aligned. Make sure rungs are 10 3/16" apart from each other. Refer to overall Top View for Alpine Configuration. See Multiple Freestanding Alpine Climbers Page.

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

71878 Large Alpine Climber



= INSTALLATION DETAIL

Issued/Revised: 4/28/2020

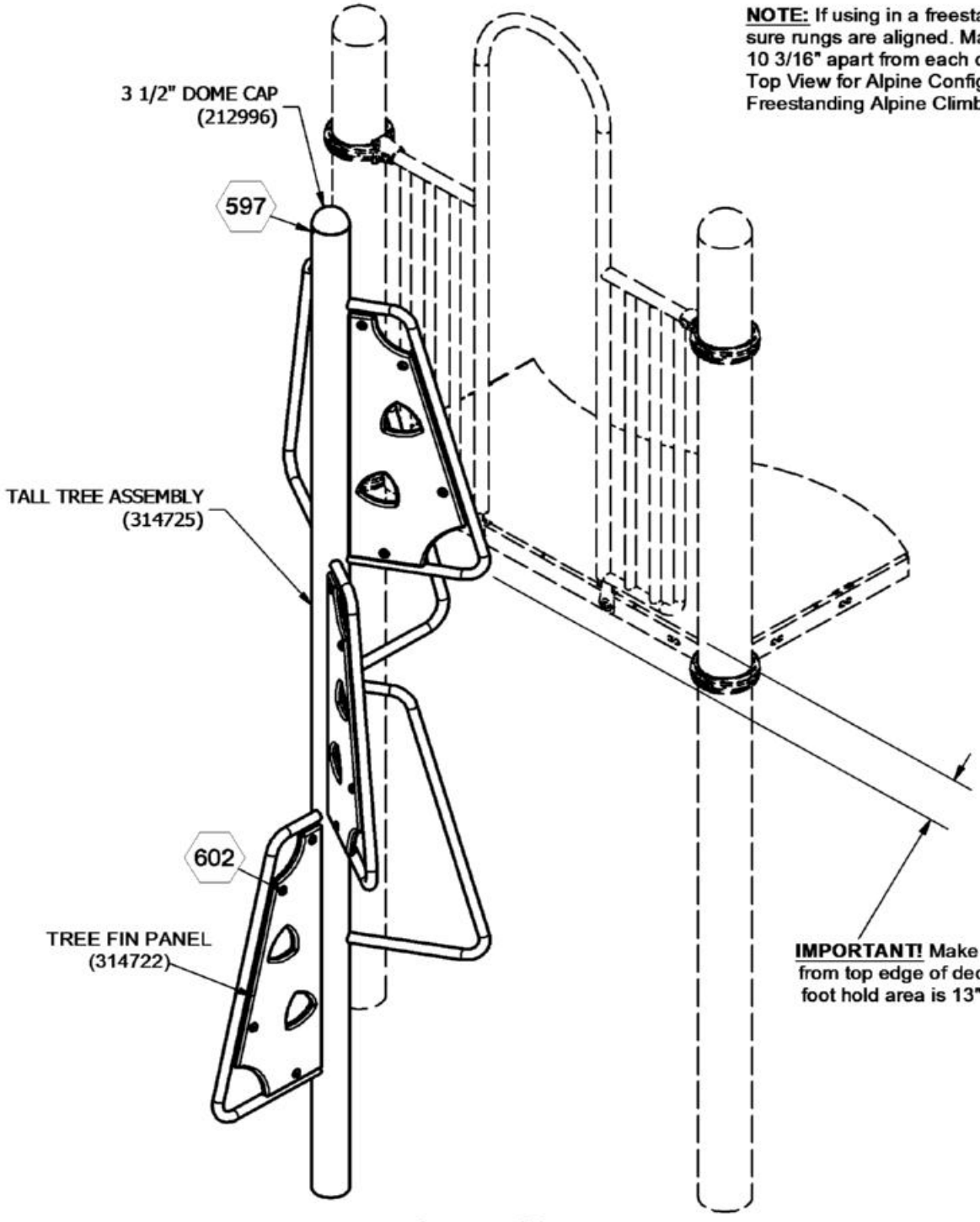
FINISHED ASSEMBLY

56" DECK

HEIGHT SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

71878 Large Alpine Climber



NOTE: If using in a freestanding setting make sure rungs are aligned. Make sure rungs are 10 3/16" apart from each other. Refer to overall Top View for Alpine Configuration. See Multiple Freestanding Alpine Climbers Page.

IMPORTANT! Make sure the distance from top edge of deck to transfer loop foot hold area is 13" min. to 16" max.

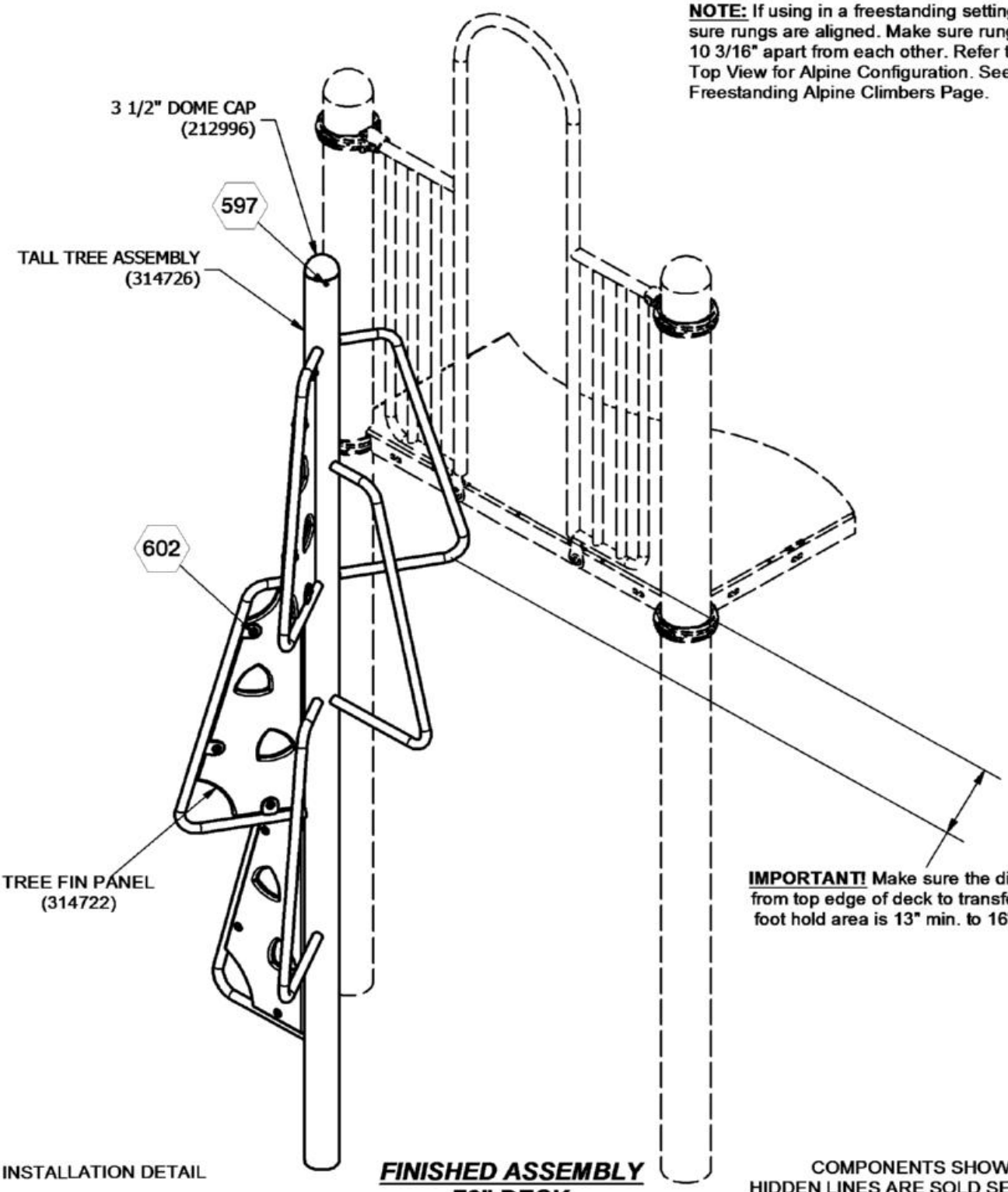
FINISHED ASSEMBLY
64" DECK
HEIGHT SHOWN

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

71878 Large Alpine Climber

NOTE: If using in a freestanding setting make sure rungs are aligned. Make sure rungs are 10 3/16" apart from each other. Refer to overall Top View for Alpine Configuration. See Multiple Freestanding Alpine Climbers Page.



⬡ = INSTALLATION DETAIL

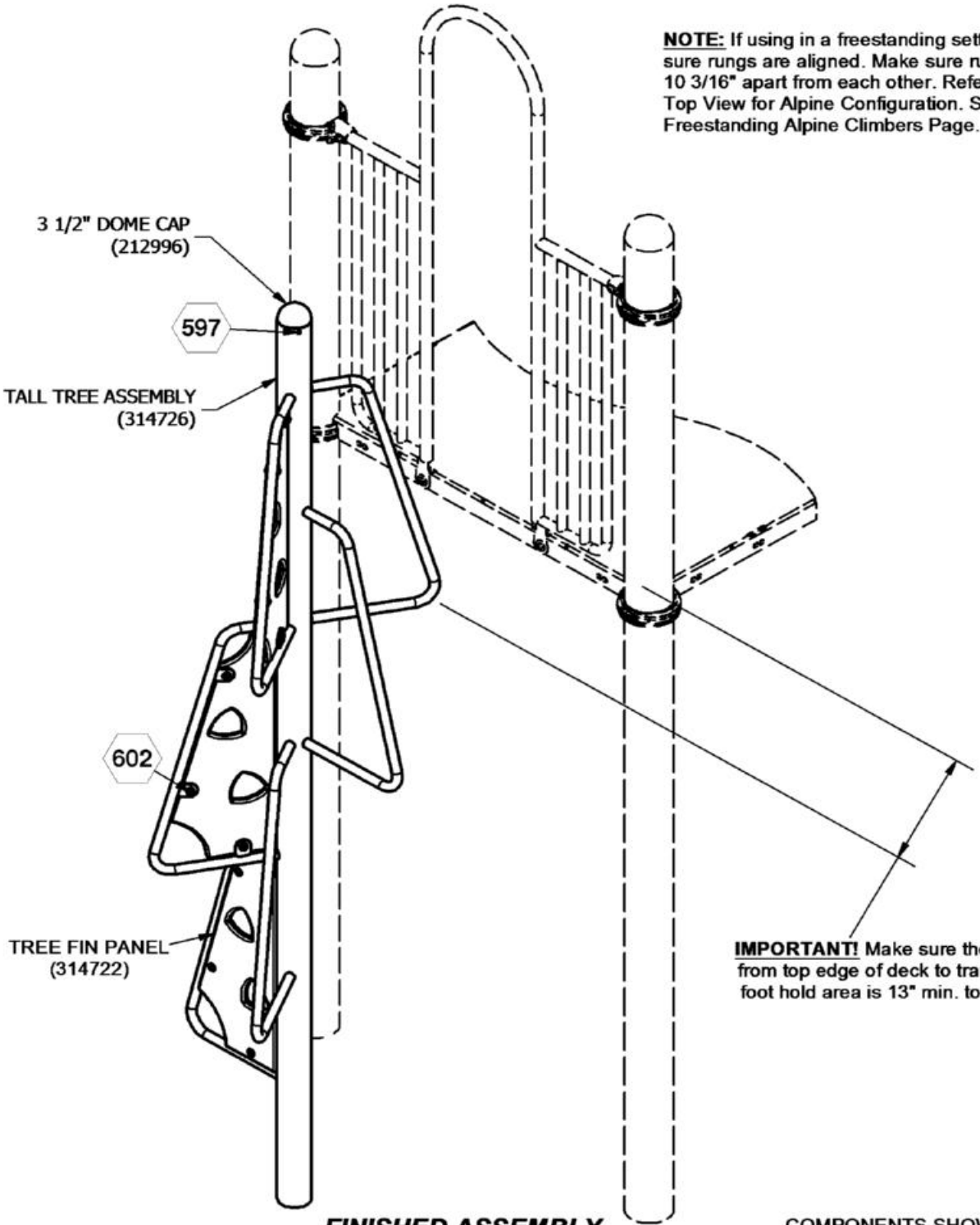
FINISHED ASSEMBLY
72" DECK
HEIGHT SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 4/28/2020

SuperMax Play Systems

71878 Large Alpine Climber



NOTE: If using in a freestanding setting make sure rungs are aligned. Make sure rungs are 10 3/16" apart from each other. Refer to overall Top View for Alpine Configuration. See Multiple Freestanding Alpine Climbers Page.

IMPORTANT! Make sure the distance from top edge of deck to transfer loop foot hold area is 13" min. to 16" max.

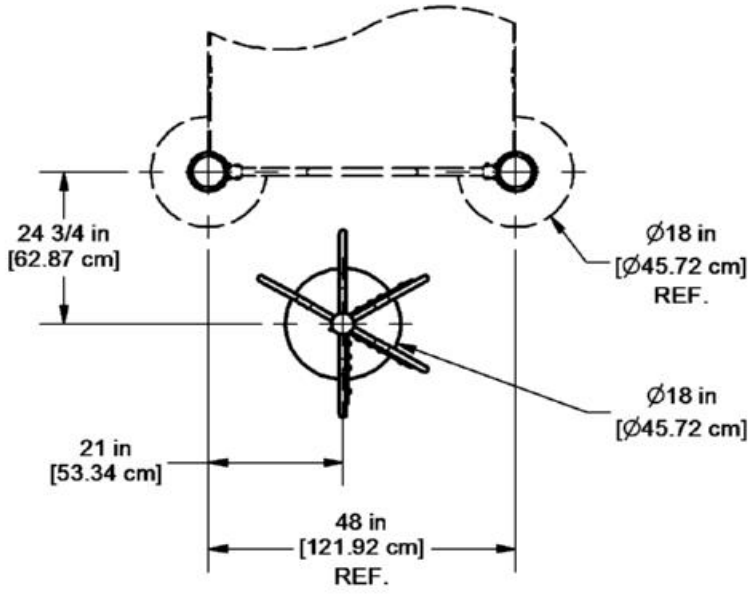
⬡ = INSTALLATION DETAIL

Issued/Revised: 4/28/2020

FINISHED ASSEMBLY
80" DECK
HEIGHT SHOWN

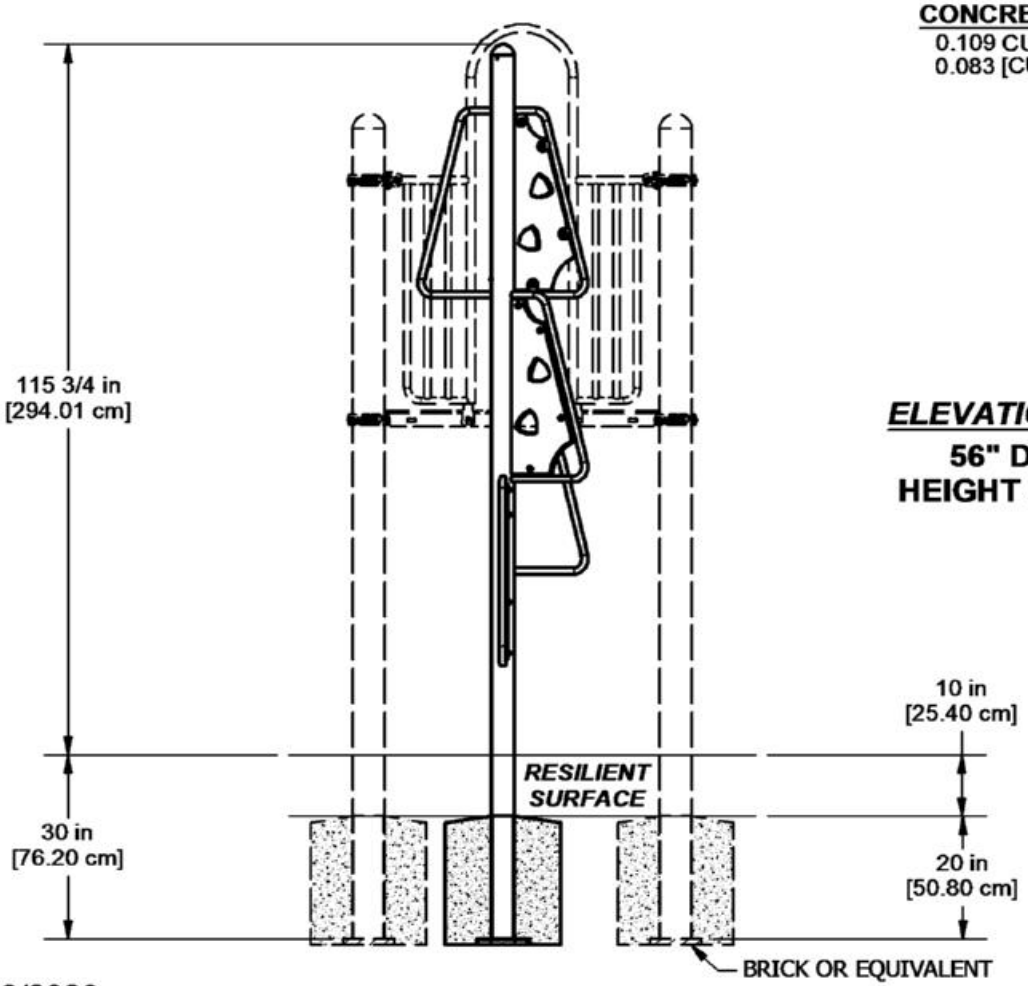
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

71878 Large Alpine Climber



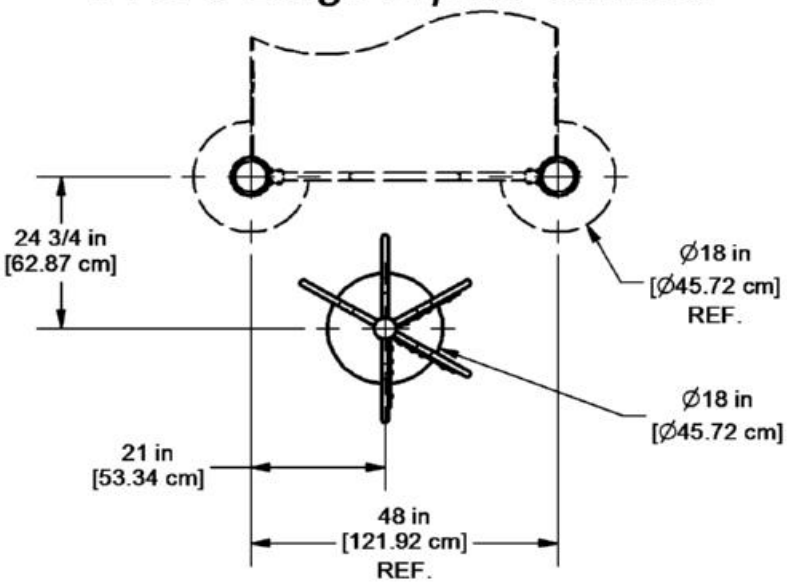
PLAN VIEW

CONCRETE REQUIRED
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



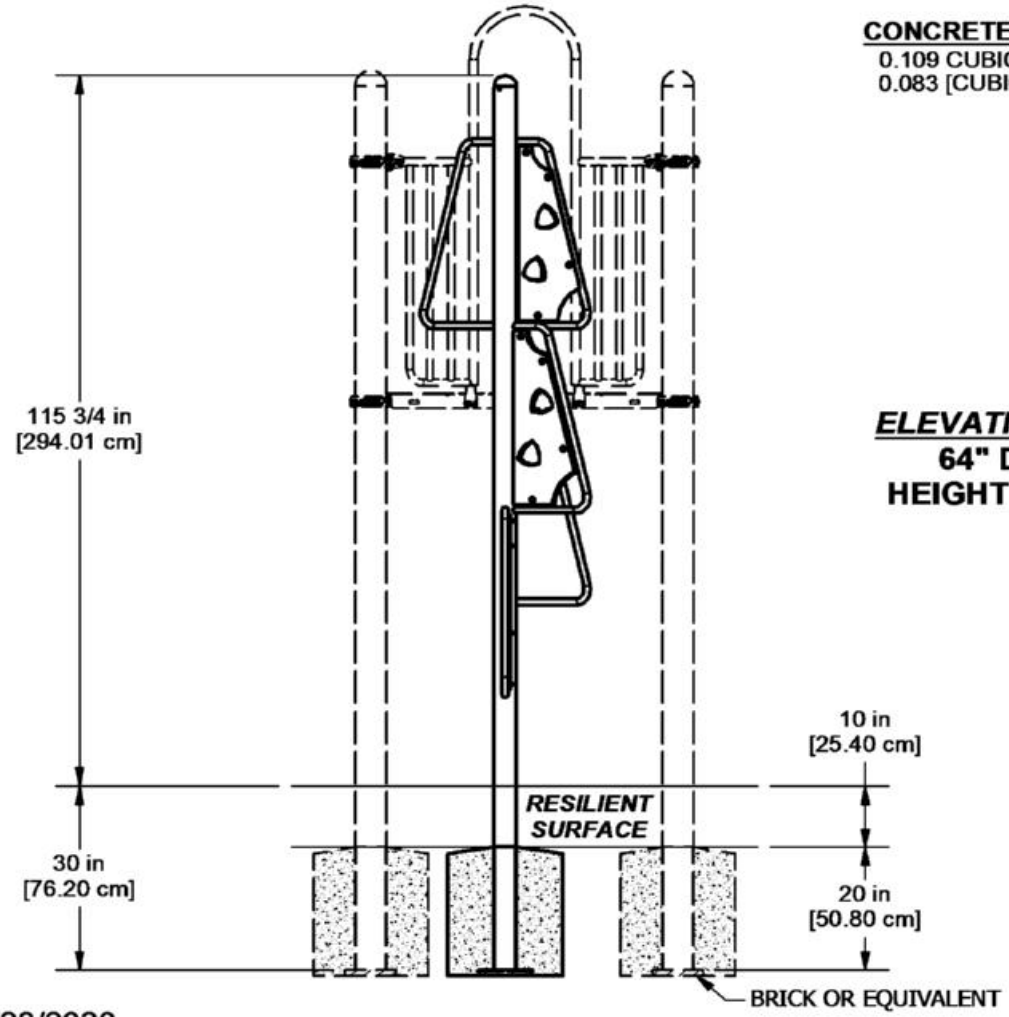
ELEVATION VIEW
56" DECK
HEIGHT SHOWN

71878 Large Alpine Climber



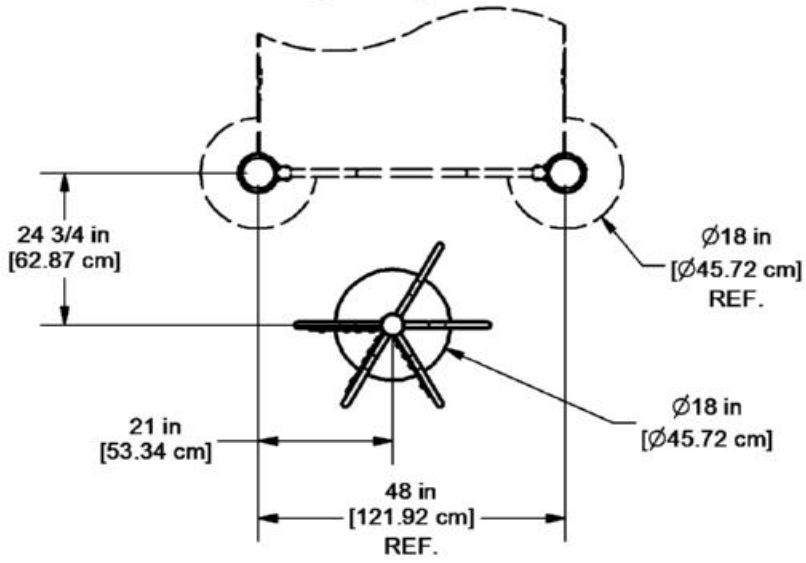
PLAN VIEW

CONCRETE REQUIRED
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



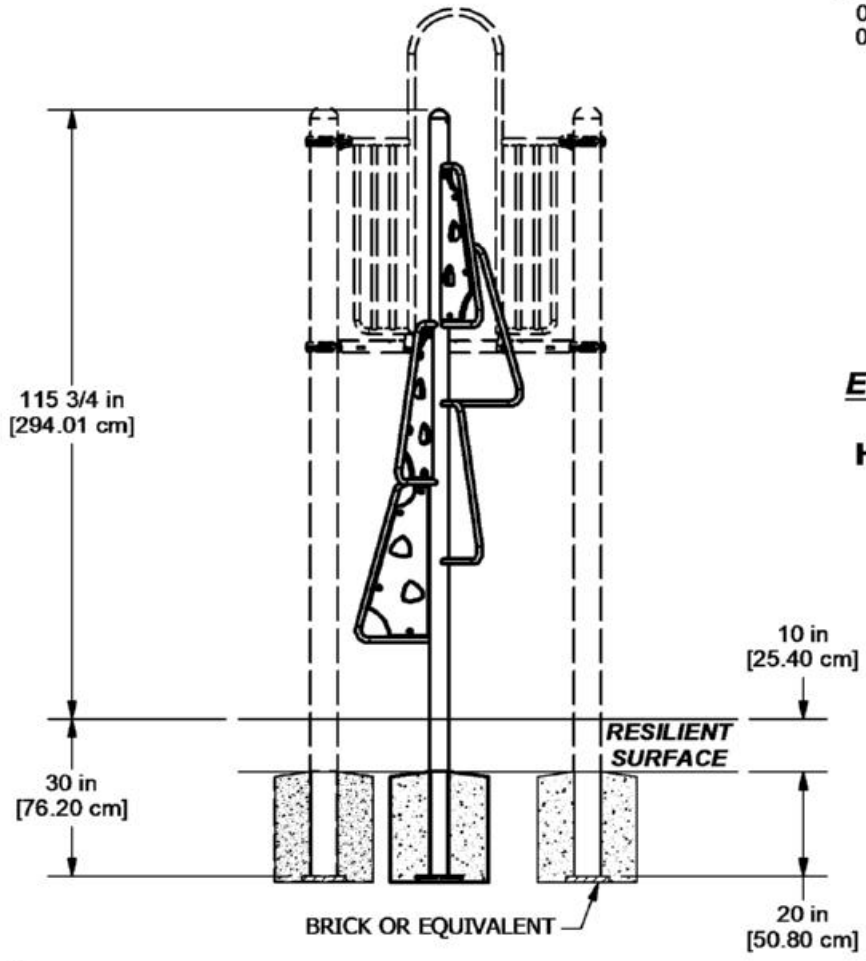
ELEVATION VIEW
64" DECK
HEIGHT SHOWN

71878 Large Alpine Climber



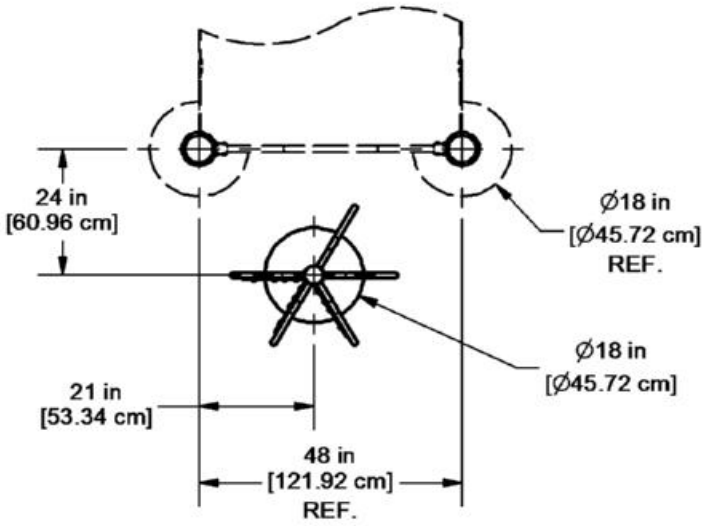
PLAN VIEW

CONCRETE REQUIRED
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0.083 [CUBIC METERS]



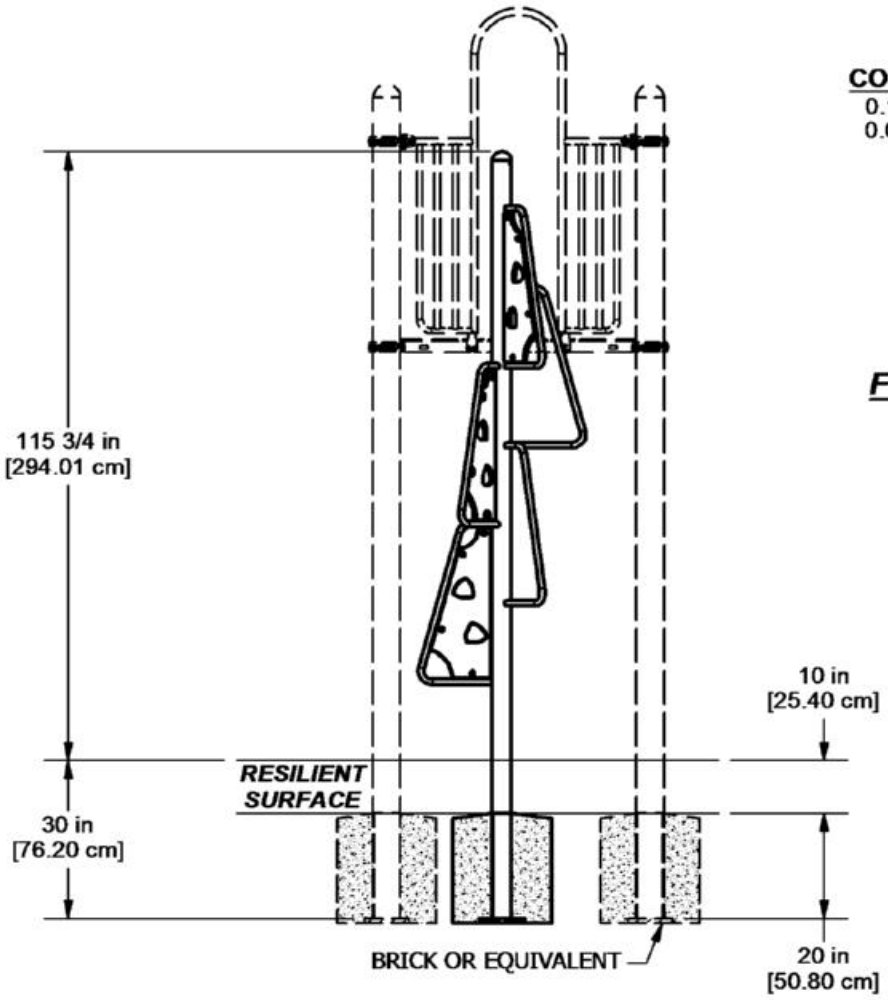
ELEVATION VIEW
72" DECK
HEIGHT SHOWN

71878 Large Alpine Climber



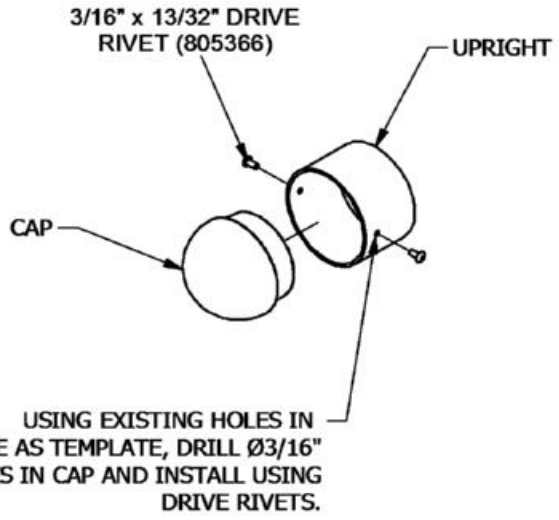
PLAN VIEW

CONCRETE REQUIRED
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0.083 [CUBIC METERS]

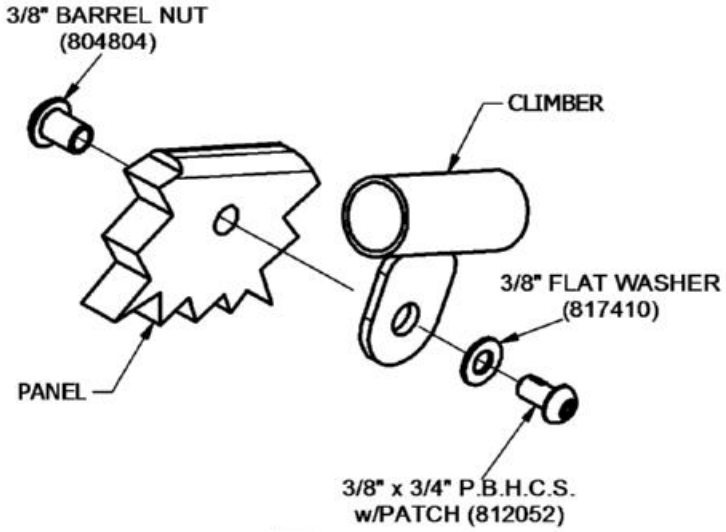


FINISHED ASSEMBLY
80" DECK
HEIGHT SHOWN

71878 Large Alpine Climber

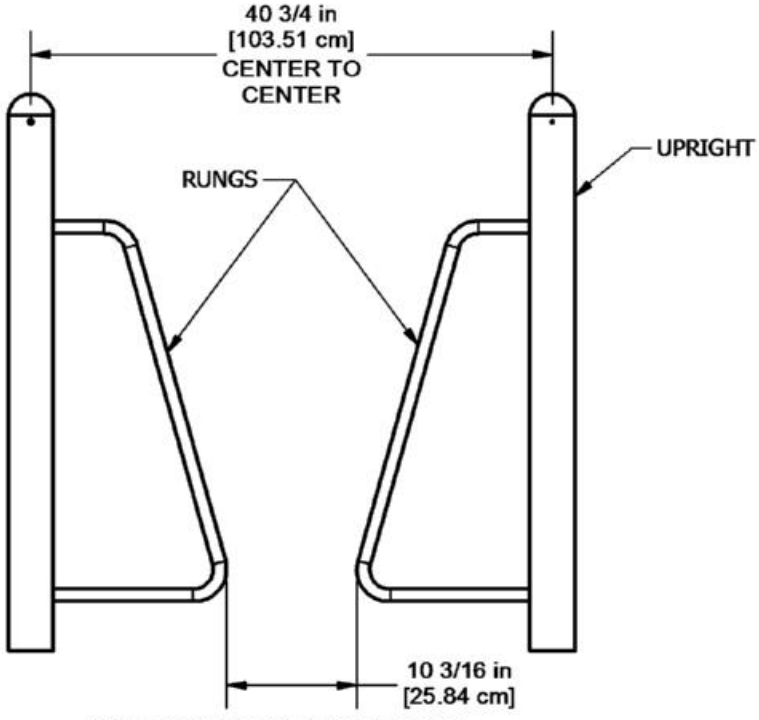


597



602

REFERENCE FOR MULTIPLE FREESTANDING ALPINE CLIMBERS



NOTE: REFER TO OVERALL TOP VIEW FOR ALPINE CONFIGURATION

SuperMax Play Systems

71896 SINGLE SPIRAL CASCADE SLIDE

Parts List		
DESCRIPTION	QTY	PART NUMBER
FOOTBUCK WELD ASS'Y	1	204879
SINGLE ENTRANCE SECTION	1	205960
STRAIGHT SECTION	1	205962
HELIX SPIRAL	1	206170
OUTRIGGER	1	209049
HELIX SPIRAL 140 DEGREES	1	210735
EXIT SECTION	1	211303
PANEL ADAPTER	2	309919
SLIDE HOOD	1	312484
SUPPORT ASS'Y 1	2	312634
HARDWARE COMPLETE	1	304039
1/4" x 3/4" SET SCREW	4	811545*
3/8" x 3/4" P.B.H.C.S. w/PATCH	4	812052*
3/8" x 1" P.B.H.C.S. w/PATCH	6	812050*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	812051*
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	2	812053*
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	19	812055*
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	1	812056*
3/8" LOCK WASHER	28	817334*
3/8" FLAT WASHER	10	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	25	817424*
3/8" BARREL NUT	2	804804*
3/8" BARREL NUT LONG	20	804820*
1/2" FLAT WASHER (1 3/8" O.D.)	21	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.

71896 SINGLE SPIRAL CASCADE SLIDE

INSTALLATION INSTRUCTIONS:

1. Determine which deck is to receive the slide and dig footing at location shown in Top View. Refer to the Elevation View for footing depth.

2. Using a 7/16" drill bit, ream out any excess Plastisol coating from all holes used on deck. Be careful not to expose the steel.

3. Attach the Ring Clamps to the Uprights. See Ring Clamp Installation Sheet.

4. Attach Panel Adapters to Slidehood using 3/8" x 1 1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut.See Detail 672.

5. Attach Panel Adapters with Slidehood to the Ring Clamps using 1/4" x 3/4" Set Screw. See Detail 672.

6. Attach Single Entrance Section to Deck using 3/8" x 1 1/4" P.B.H.C.S. w/Patch and 3/8" Flat Washer (1 1/4" O.D.). See Detail 136.

7. Attach Single Entrance Section to Slidehood using 3/8" x 1 3/4" P.B.H.C.S. w/Patch and 3/8" Flat Washer (1 1/4" O.D.). See Detail 673.

8. Assemble all Slide Sections on the ground. Attach each Section using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer (1 1/4" OD), 1/2" Flat Washer and 3/8" Barrel Nut Long. See Detail 787 and 852. **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. **Note:** Distance between upright and inside surface of slide must be 21" min. See Detail 909.

9. Once all sections are bolted together, hand tight, install the Slide to the Double Entrance Section using 3/8" x 2 1/2" Threaded Stud, 1/2" Flat Washer (1 3/8" O.D.), 1/2" Flat Washer, 1/2" Lock Washer, and 3/8" Barrel Nut. See Detail 787.

10. Starting at the top section, tighten the 5 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.

11. 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.

12. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat steps 10 and 11 until seams are properly fitted.

13. Attach Support Ass'y 1 to Helix Spiral 140 degrees using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. See Detail 788.

14. Attach Outrigger to Helix Spiral using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer (1 1/4" OD), 1/2" Flat Washer and 3/8" Barrel Nut Long. See Detail 840.

15. Attach Support Ass'y 1 to Helix Spiral using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Lock Washer. See Detail 788. **Note:** Cut Footbuck or Support Ass'y 1 or adjust depth of footing holes to meet correct exit height.

16. Attach Foot Buck to Exit Section with 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flatwasher. See Detail 024. **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.

17. Use 3/8" x 1" P.B.H.C.S. w/Patch to fill unused support holes in remaining sections. See Detail 789.

18. When the Slide is plumb and level, tighten all fasteners and pour concrete footings within 4" to the top and taper away from supports to allow 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.

19. When 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.

71896 SINGLE SPIRAL CASCADE SLIDE

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.

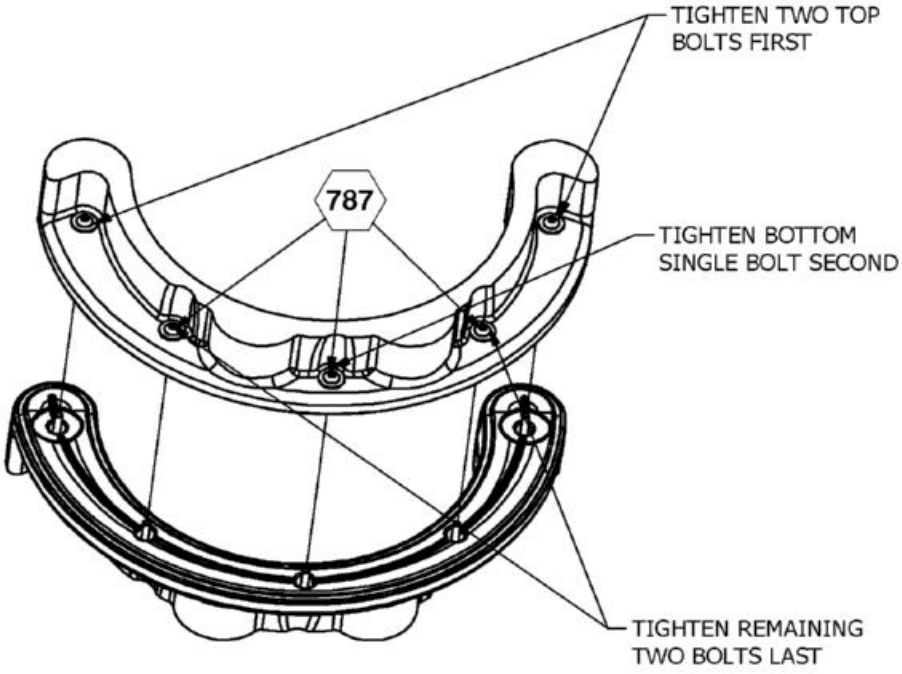


FIGURE #1

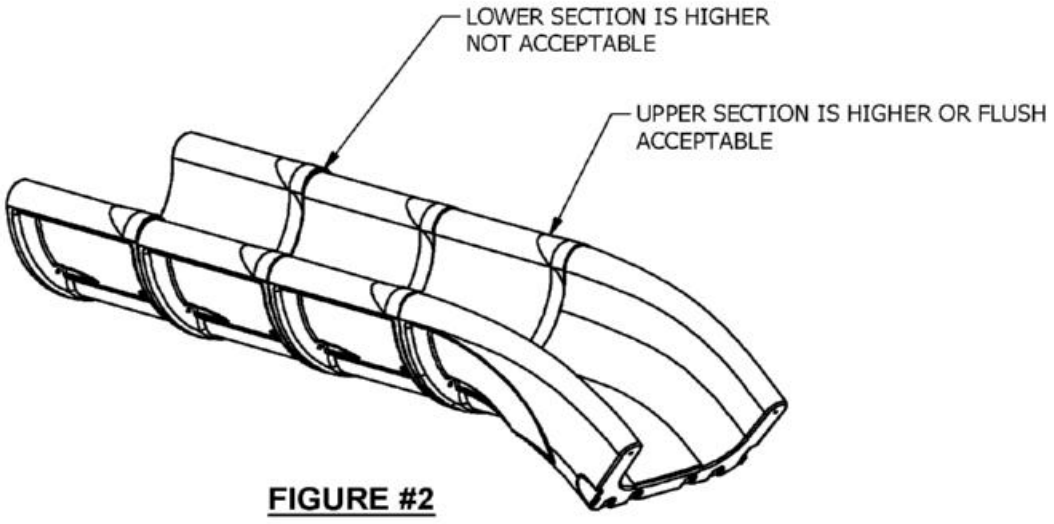
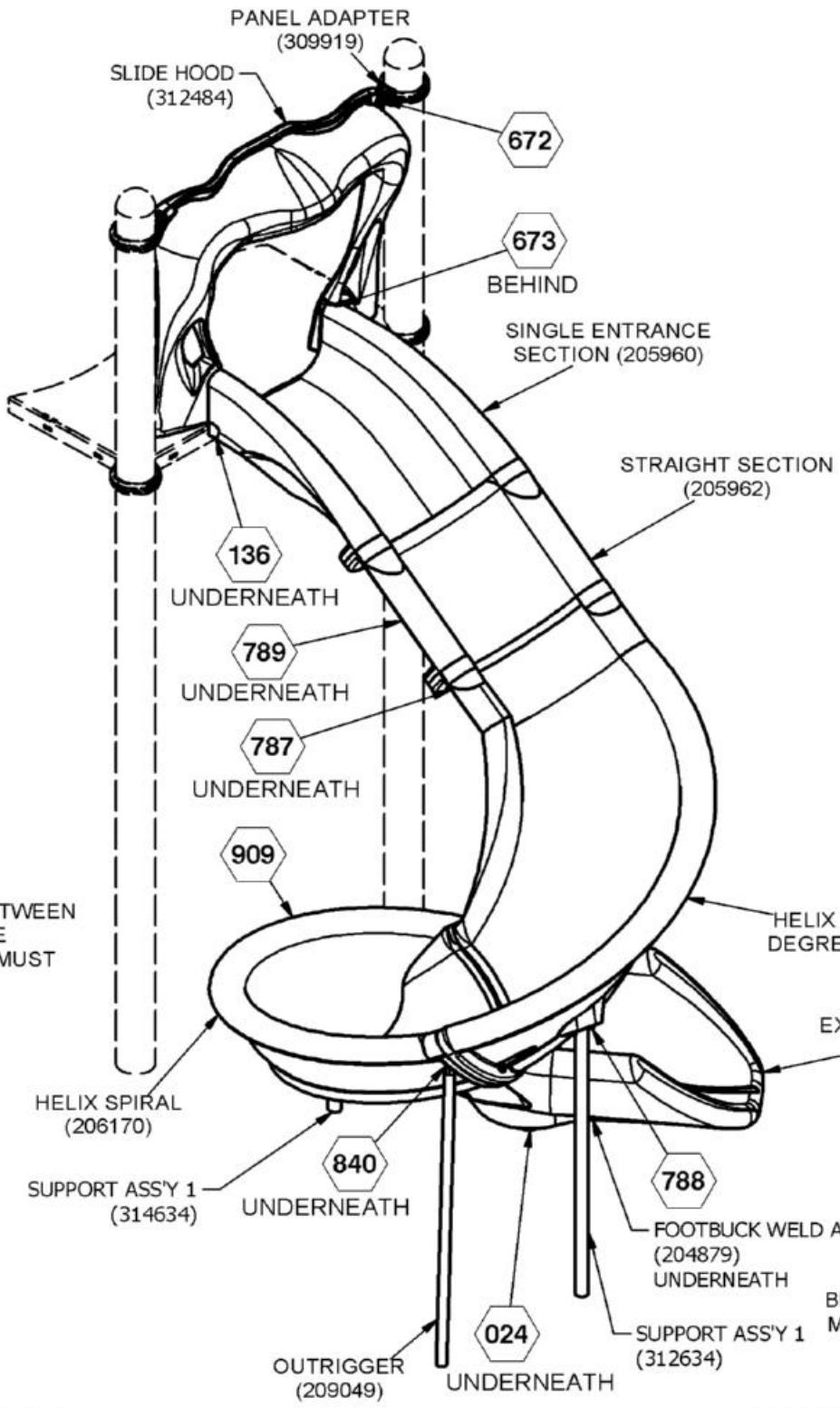


FIGURE #2

71896 SINGLE SPIRAL CASCADE SLIDE



NOTE: DISTANCE BETWEEN UPRIGHT AND INSIDE SURFACE OF SLIDE MUST BE 21" MIN. SEE DETAIL 909.

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

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

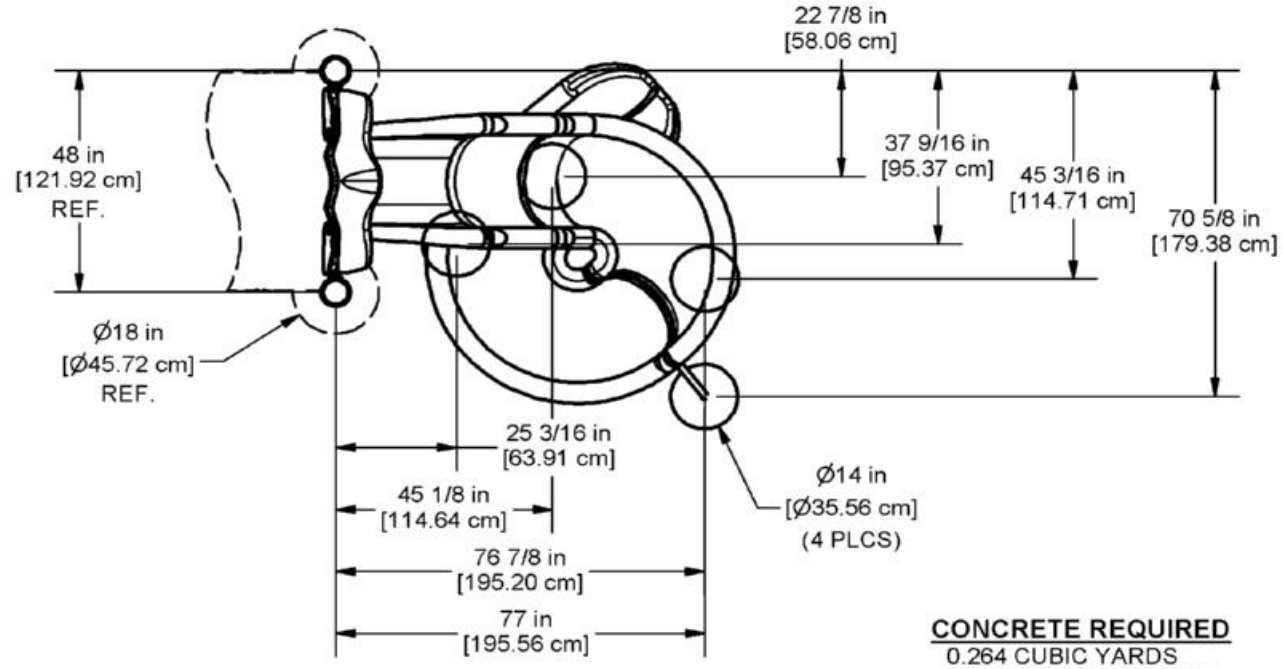
⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 5/2/2024

FINISHED ASSEMBLY

71896 SINGLE SPIRAL CASCADE SLIDE



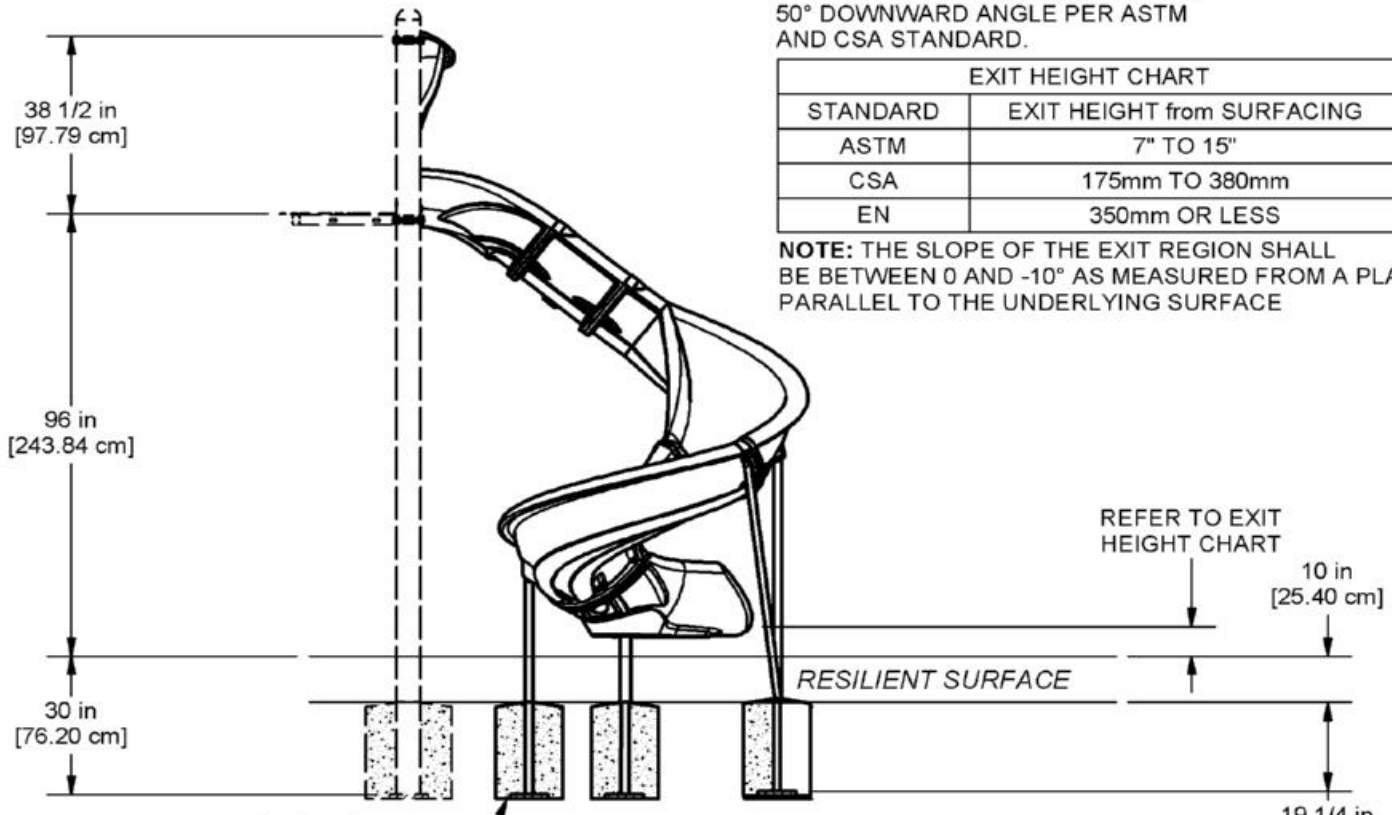
CONCRETE REQUIRED
0.264 CUBIC YARDS
0.202 [CUBIC METERS]

PLAN VIEW

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

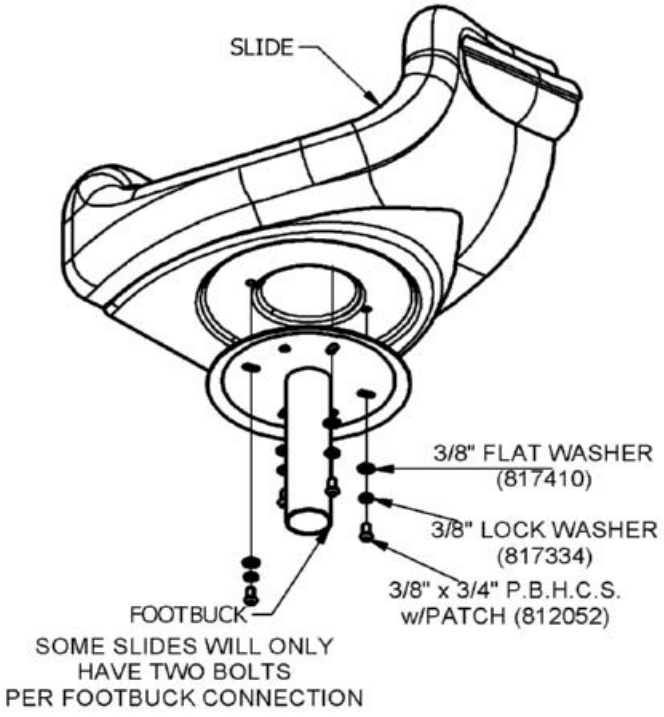
EXIT HEIGHT CHART	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	7" TO 15"
CSA	175mm TO 380mm
EN	350mm OR LESS

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

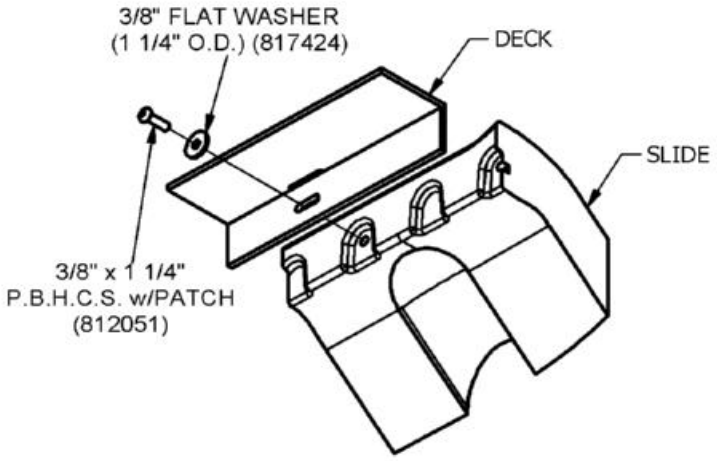


ELEVATION VIEW

71896 SINGLE SPIRAL CASCADE SLIDE

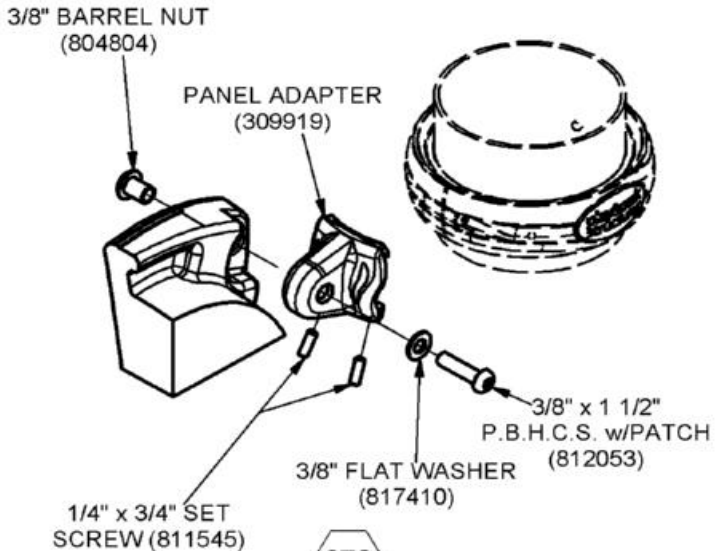


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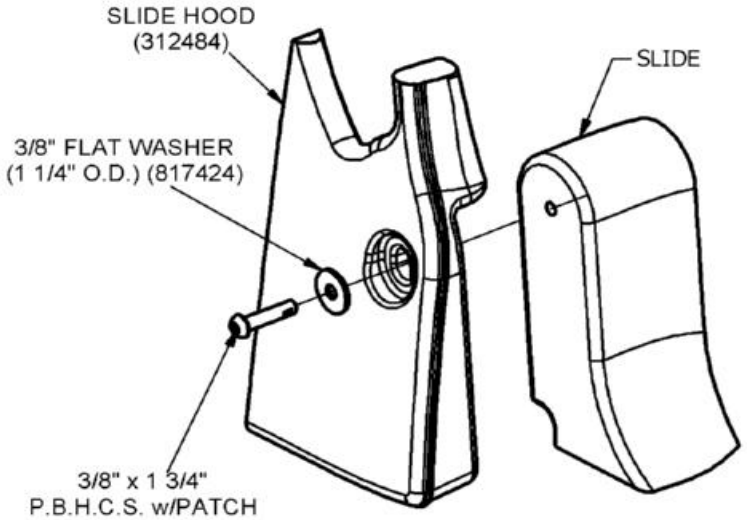


136

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

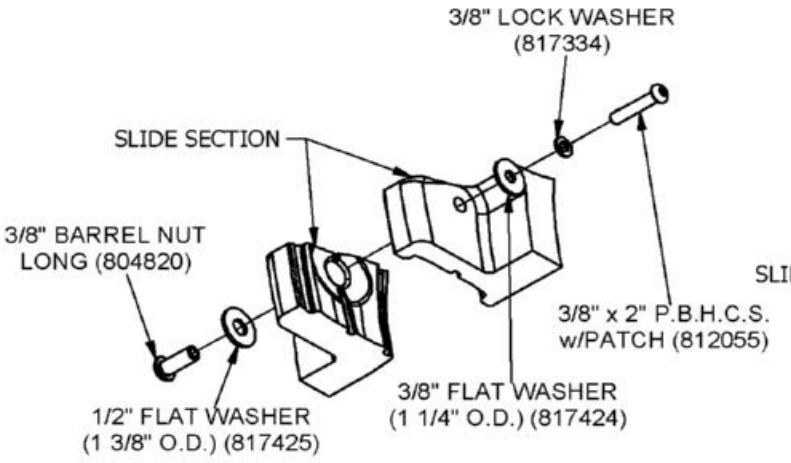


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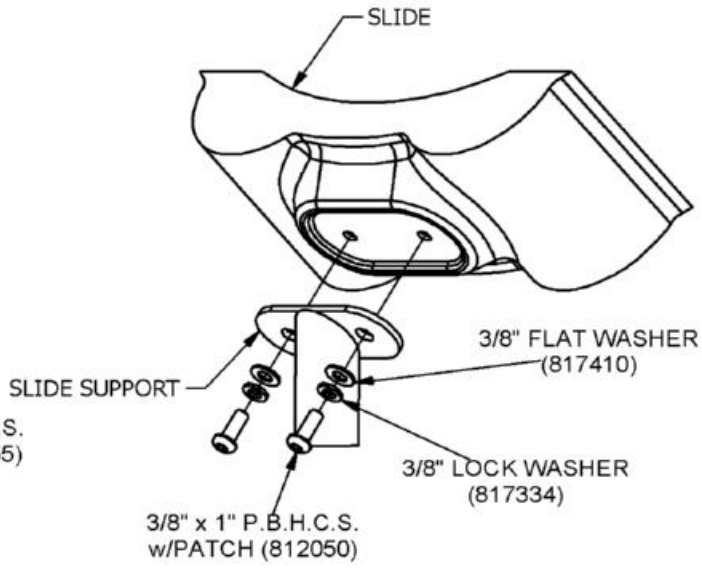


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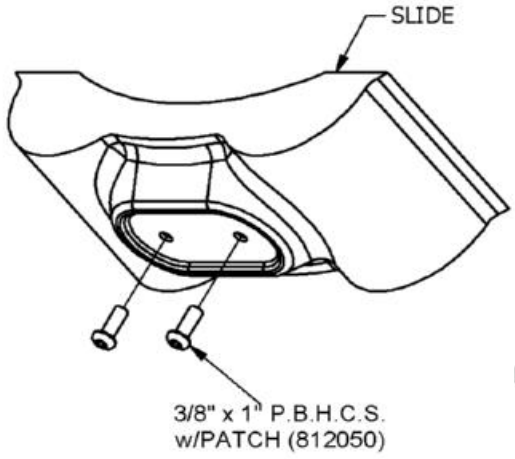
71896 SINGLE SPIRAL CASCADE SLIDE



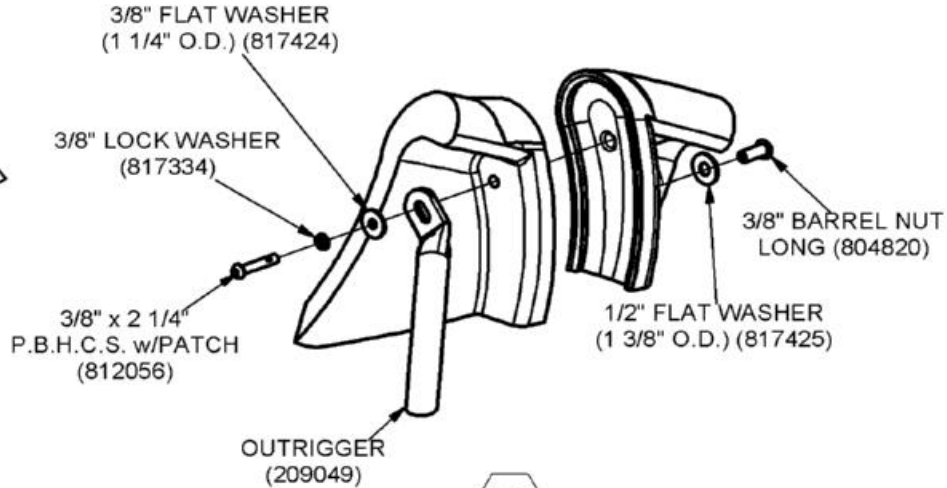
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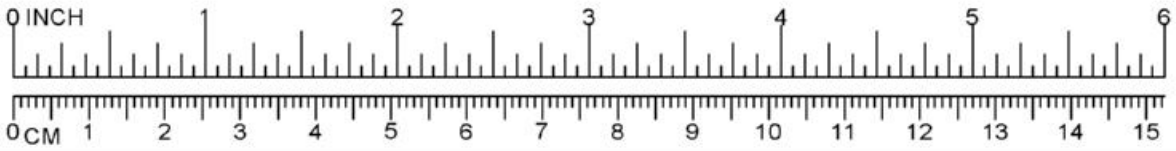
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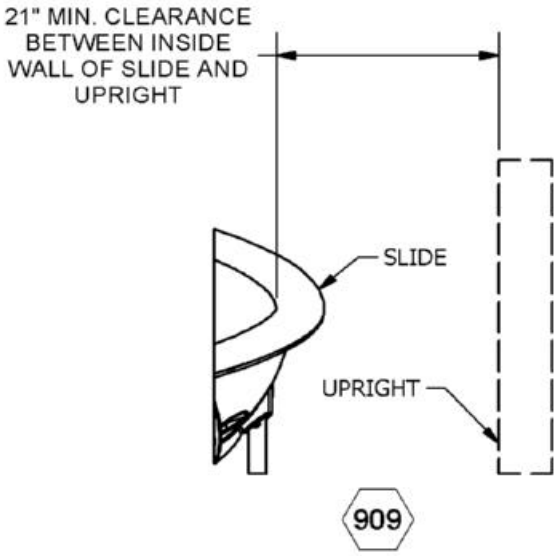
789



840



71896 SINGLE SPIRAL CASCADE SLIDE



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

71968 SHOP PANEL

Parts List		
DESCRIPTION	QTY	PART NUMBER
90° ANGLE BRACKET	4	302334
PANEL ADAPTER	2	309919
SMASHED FOOTBUCK	2	314295
SHOP PANEL	1	315519
ORGANIC COUNTER PANEL	1	315520
HARDWARE COMPLETE	1	315521
1/4" x 3/4" SET SCREW	4	811545
3/8" x 3/4" CARRIAGE BOLT	8	800252
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	2	812053
3/8" FLAT WASHER	4	817410
3/8" BARREL NUT	12	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.

INSTALLATION INSTRUCTIONS:

1. Determine which deck to to receive the Shop 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. See Detail 467.
4. Attach the Organic Counter Panel to the Shop Panel. See Detail 519.
5. Attach Footbucks to Shop Panel. Flat side of Smashed Footbuck should face the inside of the Shop Panel. See Detail 631.
6. Connect Shop Panel to Panel Adapters. See Detail 467.
7. When the entire assembly in 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 for 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.

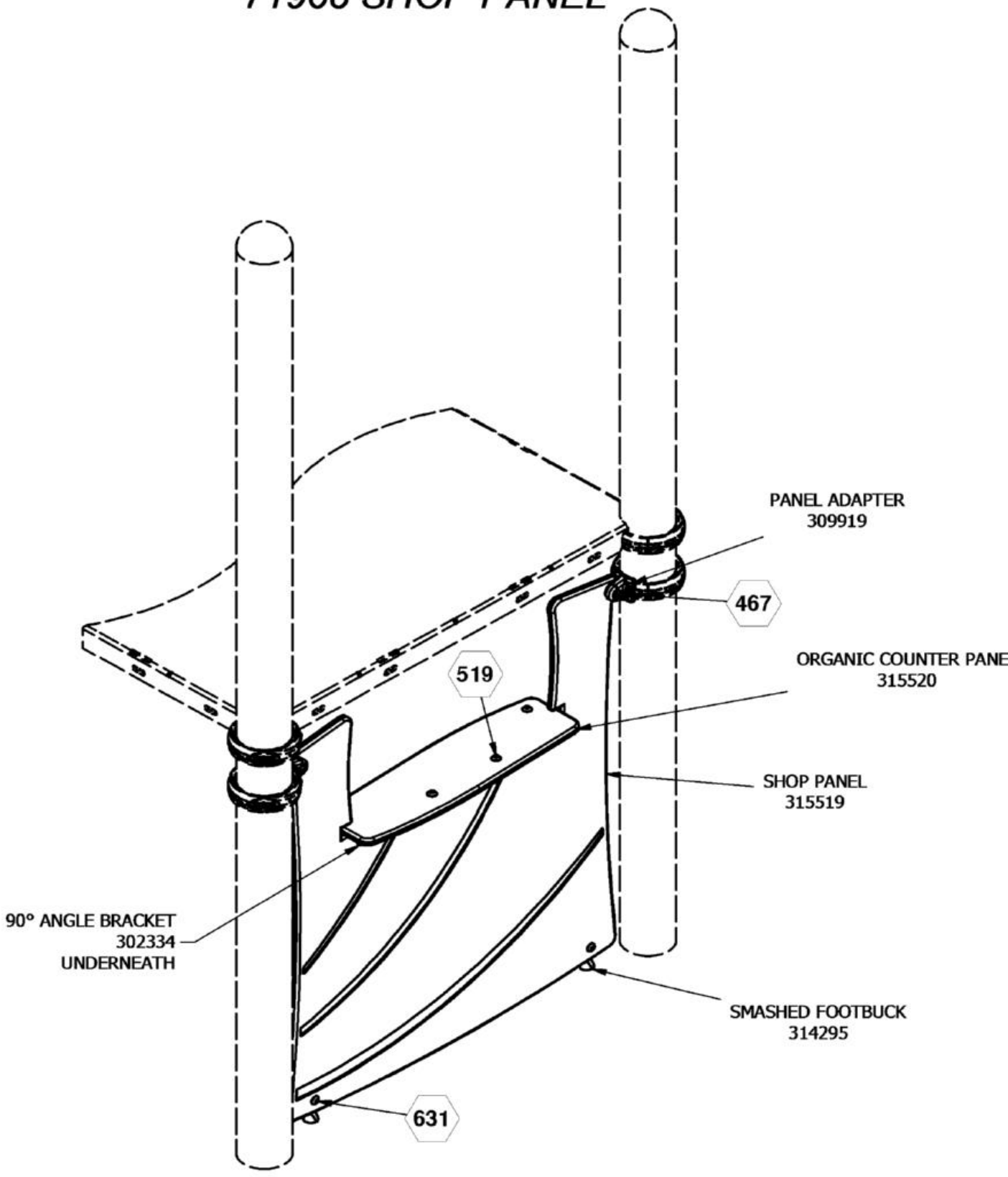
8. When the structure is finished and satisfied, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Install resilient surfacing material within the use zone (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 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

71968 SHOP PANEL



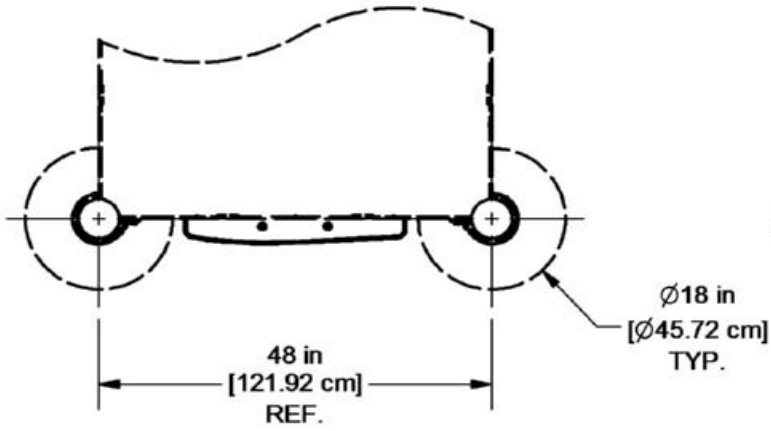
⬡ = INSTALLATION DETAIL

Issued/Revised: 2/15/2021

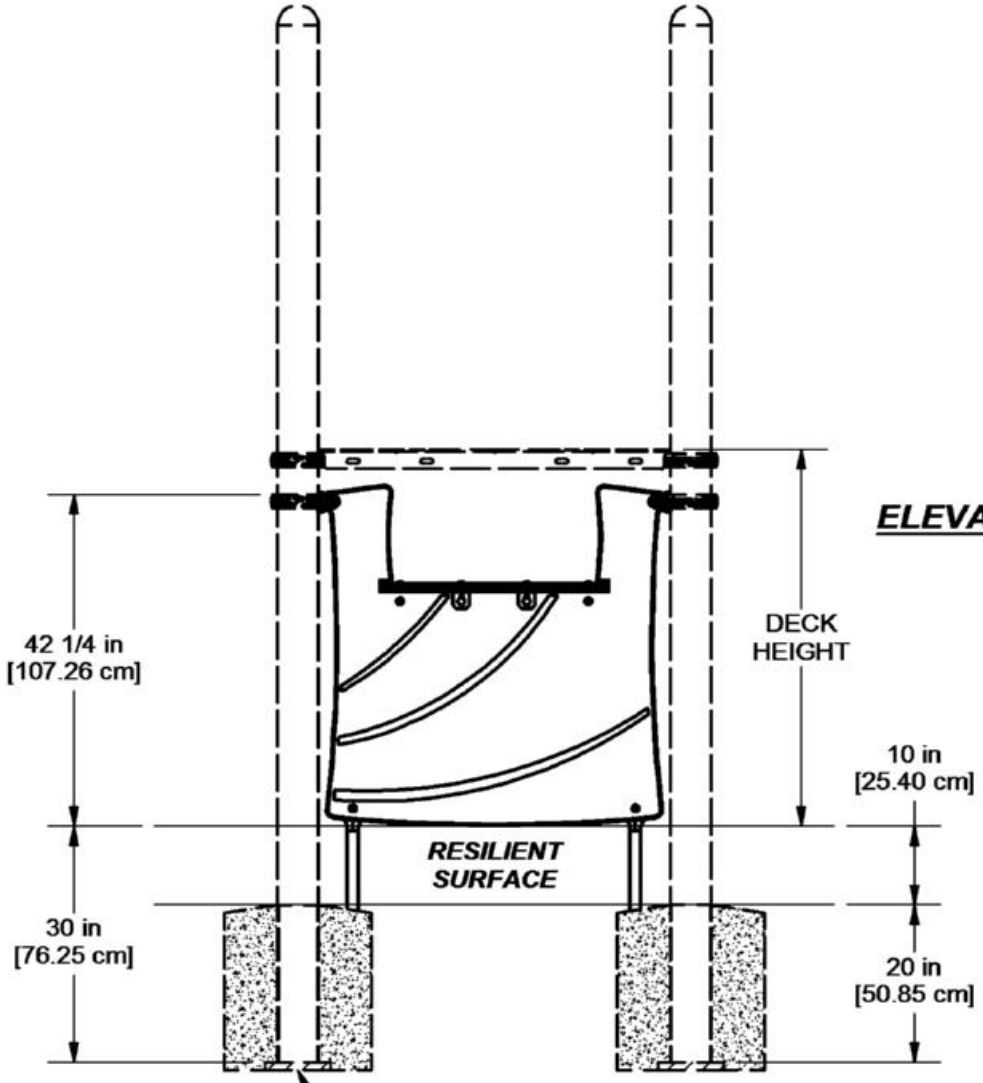
FINISHED ASSEMBLY

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

71968 SHOP PANEL



PLAN VIEW

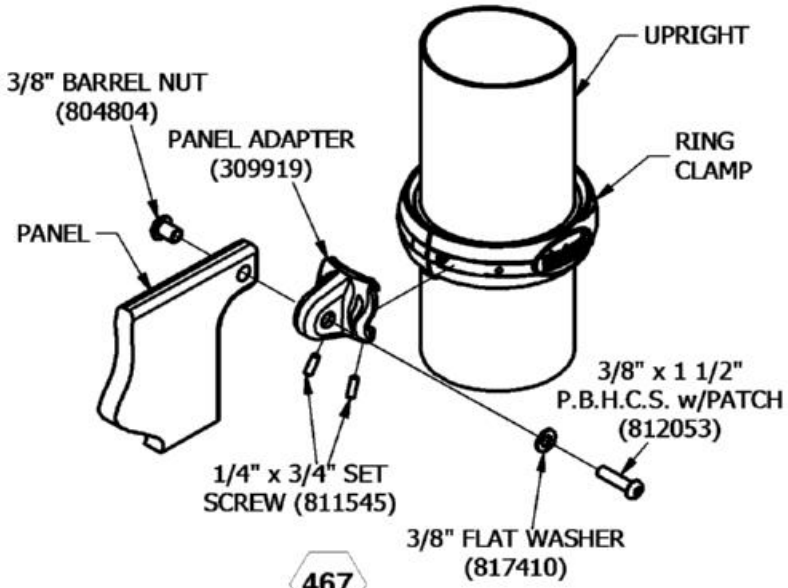


ELEVATION VIEW

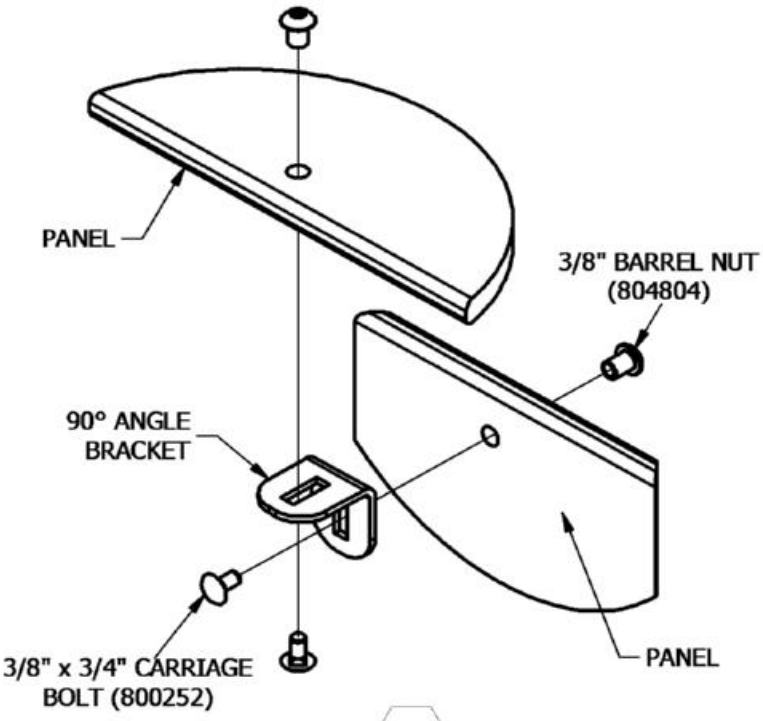
71968 SHOP PANEL

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

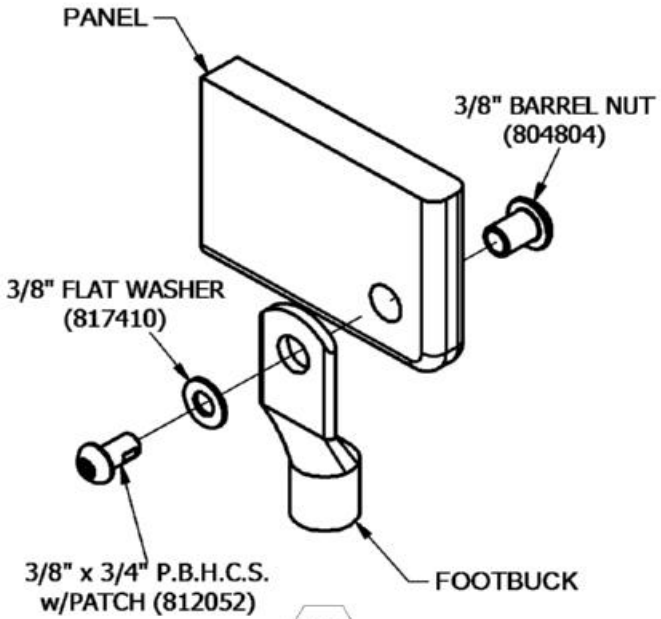
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.



467



519



631

Issued/Revised: 2/15/2021

SuperMax Play Systems

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

71990 WATER CYCLE PANEL

Parts List		
DESCRIPTION	QTY	PART NUMBER
PANEL ADAPTER	2	309919
WATER CYCLE PANEL	1	315599
ARROW WHEEL	1	315636
HARDWARE COMPLETE	1	315660
1/4" x 3/4" SET SCREW	4	811545
3/8" x 1" P.B.H.C.S. w/PATCH	2	812050
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	2	812053
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	1	812056
3/8" FLAT WASHER	3	817410
3/8" FLAT WASHER (1 1/4" O.D.)	2	817424
3/8" BARREL NUT	5	804804
PROPELLER BUSHING	1	301152

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 Water Cycle 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. See Detail 467.
4. Attach the Arrow Wheel to the Water Cycle Panel. See Detail 468.
5. Attach Water Cycle Panel to Panel Adapters. See Detail 467.
6. Attach Water Cycle Panel to Deck. See Detail 031.
7. 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 for 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.

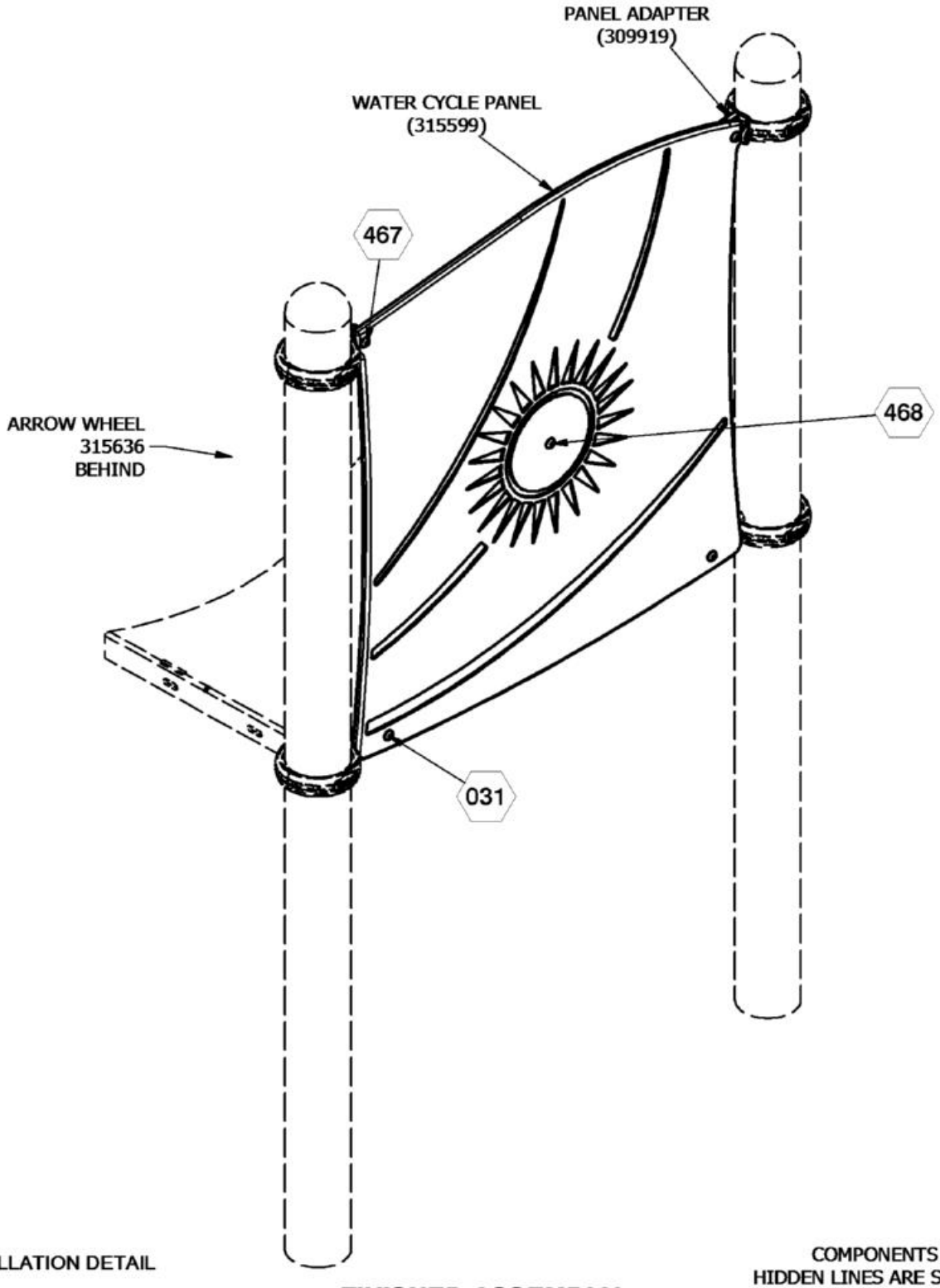
8. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support 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.

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

71990 WATER CYCLE PANEL



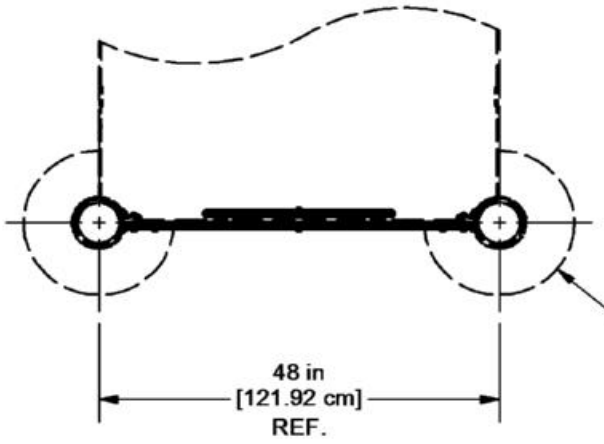
⬡ = INSTALLATION DETAIL

Issued/Revised: 5/13/2021

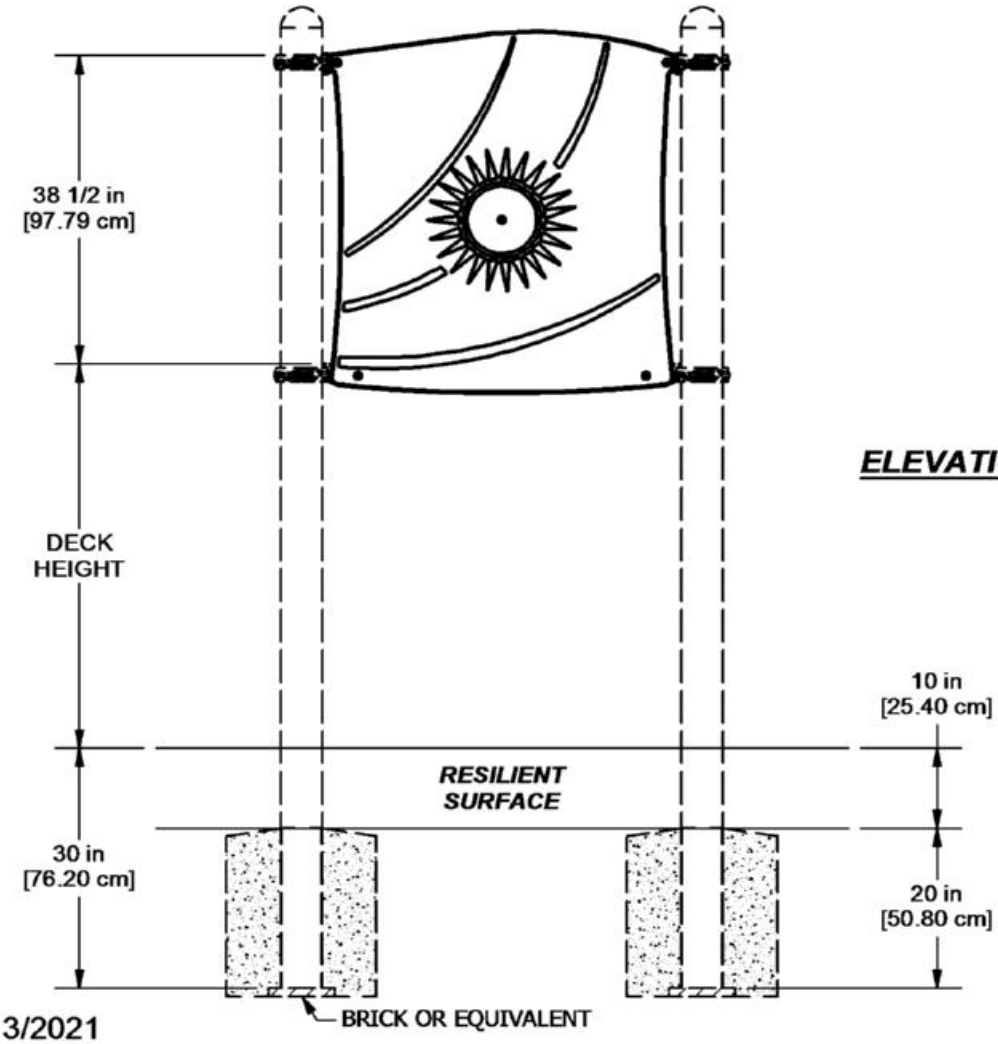
FINISHED ASSEMBLY

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

71990 WATER CYCLE PANEL

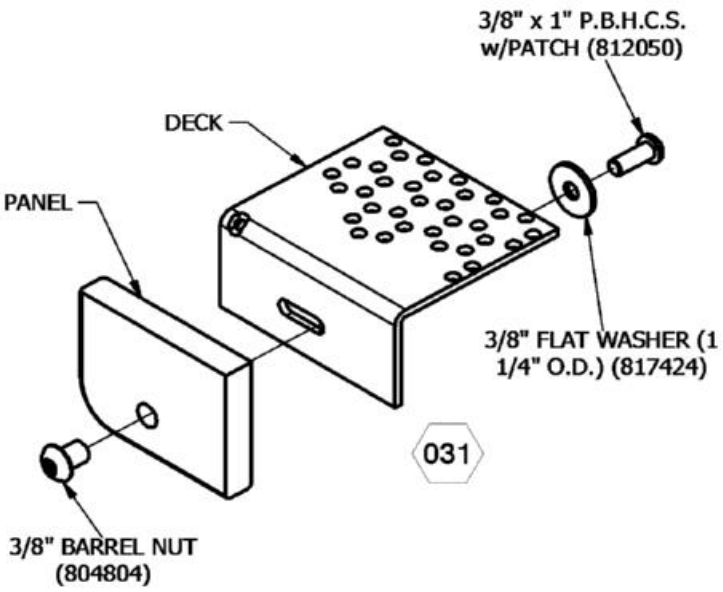


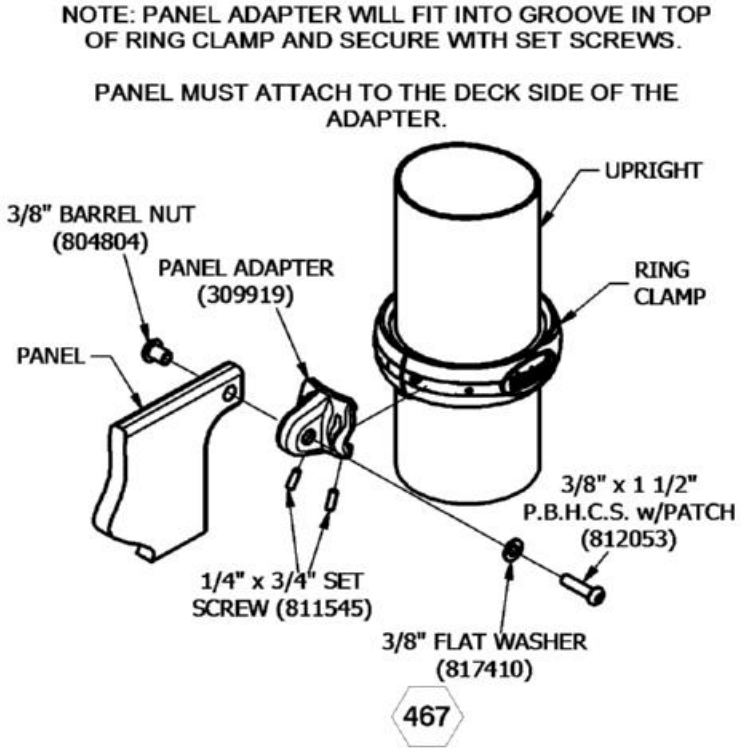
PLAN VIEW

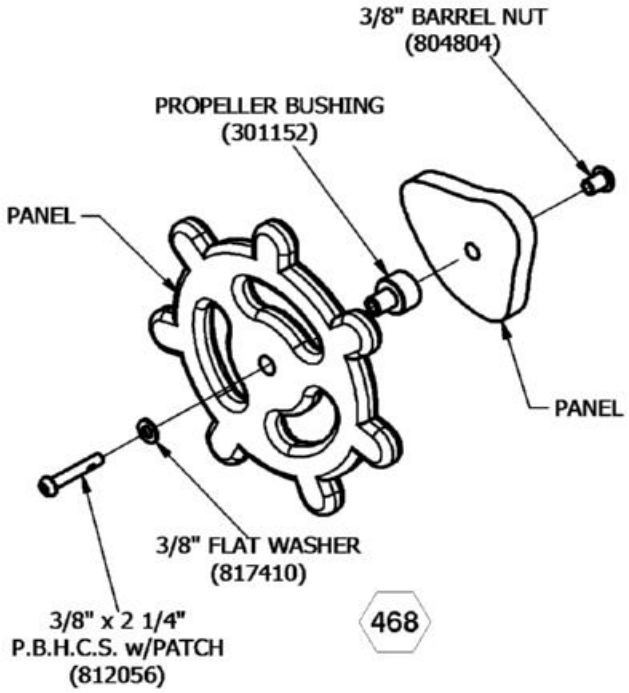


ELEVATION VIEW

71990 WATER CYCLE PANEL







Issued/Revised: 5/13/2021

SuperMax Play Systems

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

72066 INTERACTIVE SENSOR PANEL

Parts List		
DESCRIPTION	QTY	PART NUMBER
SUPPORT PIPE	2	307586
PANEL ADAPTER	2	309919
SM ACTIVITY PANEL	1	313586
HARDWARE COMPLETE	1	313459
1/4" x 3/4" SET SCREW	4	811545
3/8" x 1" P.B.H.C.S. w/PATCH	2	812050
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	812056
3/8" FLAT WASHER (1 1/4" O.D.)	6	817424
3/8" BARREL NUT	2	804804
3/8" LOCK NUT	2	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:

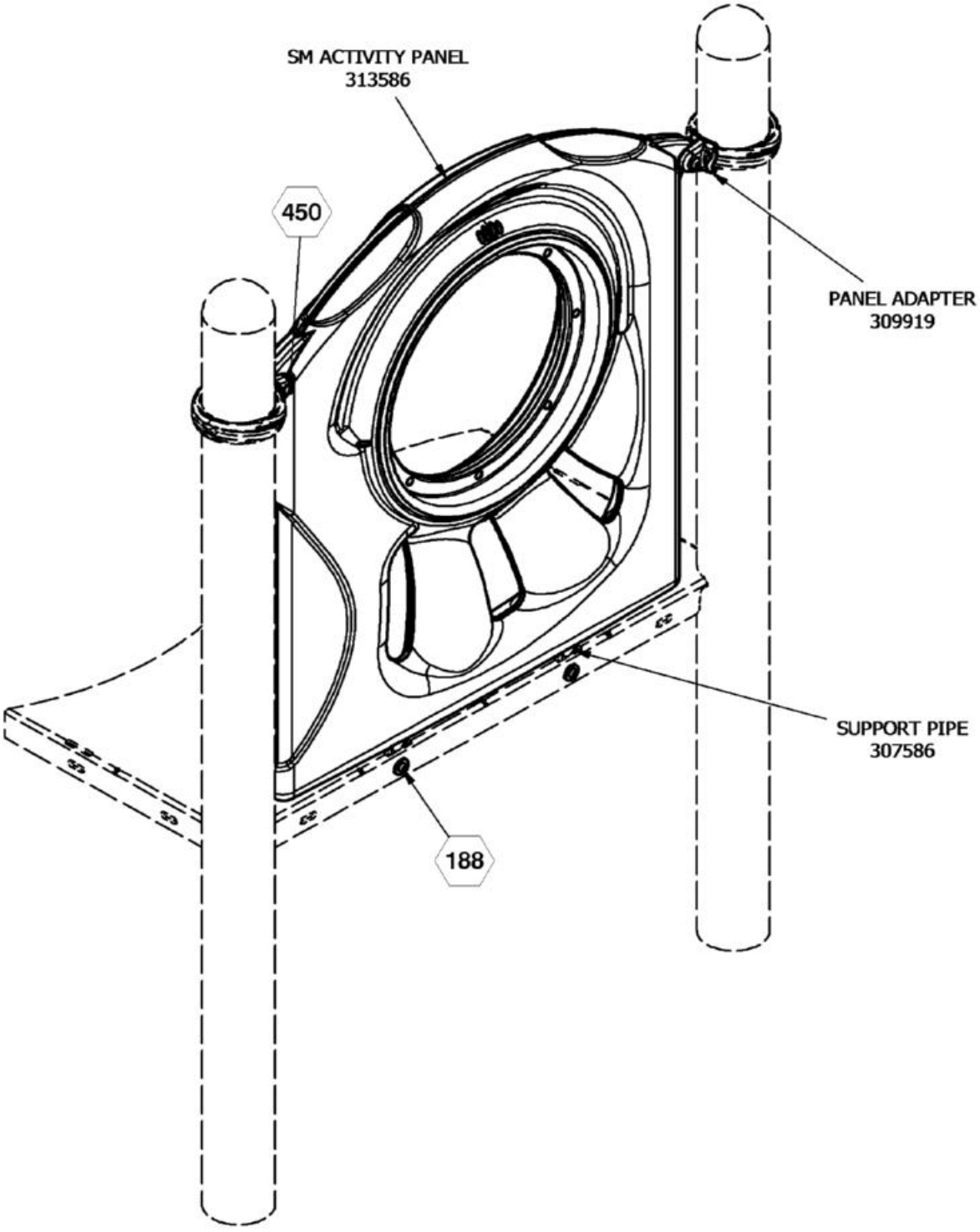
1. Determine which deck is to receive the Interactive Sensor Panel. Refer to Order Top View.
2. Attach the Support Pipes to the deck. See Detail 188.
3. Attach the Panel Adapters to the Ring Clamps. See Detail 450.
4. Slide the Activity Panel onto the Support Pipes and connect it to the Panel Clamps. See Detail 450.
5. Plumb and level the entire assembly and tighten all fasteners.
6. 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.

SuperMax Play Systems

72066 INTERACTIVE SENSOR PANEL



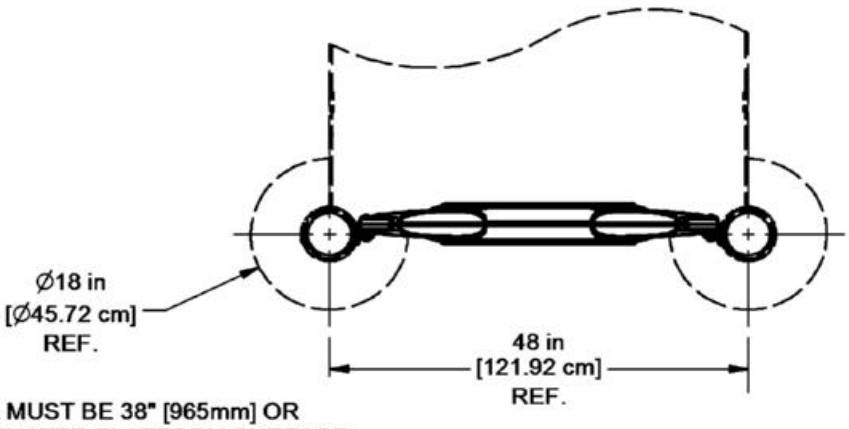
= INSTALLATION DETAIL

Issued/Revised: 12/14/2022

FINISHED ASSEMBLY

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

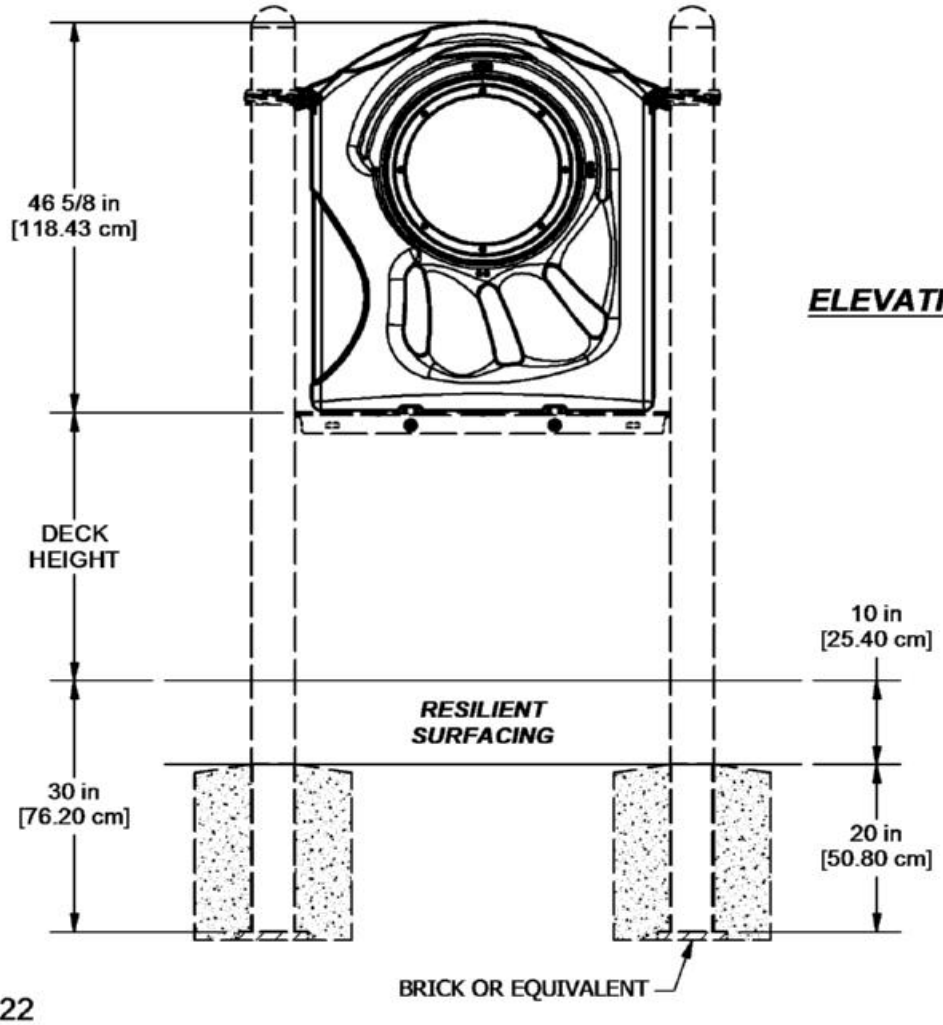
72066 INTERACTIVE SENSOR PANEL



PLAN VIEW

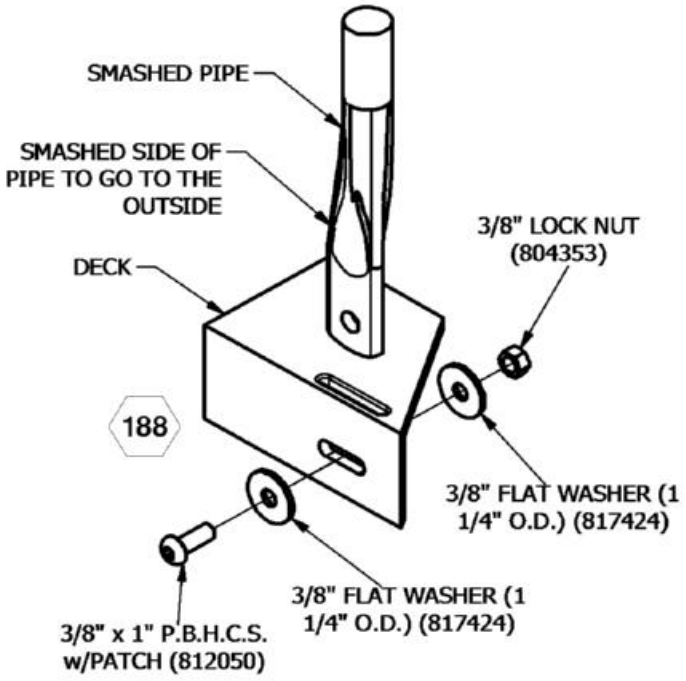
NOTE:
TOP EDGE OF PANEL MUST BE 38" [965mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 5-12 YEAR OLDS.

TOP EDGE OF PANEL MUST BE 29" [736mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 2-5 YEAR OLDS.



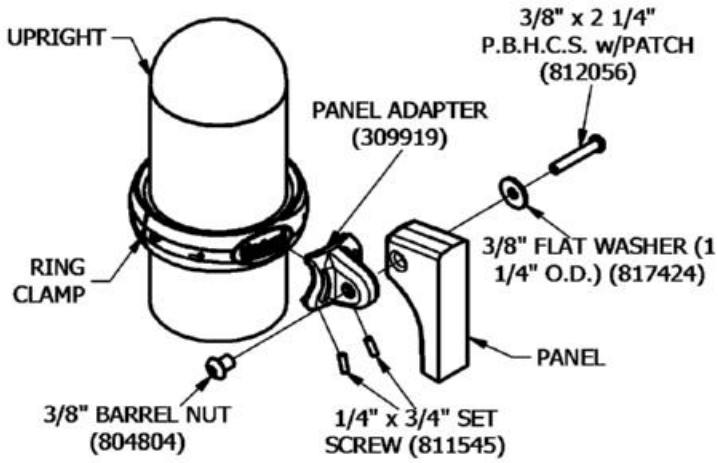
ELEVATION VIEW

72066 INTERACTIVE SENSOR 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.



450

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

72096 LOOKOUT SPLIT ENTRY

Parts List		
DESCRIPTION	QTY	PART NUMBER
PIPE ADAPTER	2	309915
LOOKOUT SPLIT ENTRY WELDMENT	1	316685
SPLIT ENTRY SHEET METAL LEFT	1	316691
SPLIT ENTRY SHEET METAL RIGHT	1	316694
HARDWARE COMPLETE	1	316695
1/4" x 3/4" SET SCREW	4	811545
1/4" x 1/2" B.H.C.S. w/PATCH	20	812011
1/4" NYLON INSERT LOCK NUT	20	804350
5/16" FLAT WASHER (5/8" O.D.)	40	817406
3/8" x 3/4" P.B.H.C.S. w/PATCH	4	812052
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	812054
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" BARREL NUT	2	804804
3/8" LOCK NUT	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 deck is to receive the Lookout Split Entry. Refer to order Top View.
2. Attach the Split Entry Sheet Metal Left and Right to the Lookout Split Entry Weldment. See Detail 1248.
3. Loosely attach Ring Clamps to Uprights. Refer to seperate Ring Clamp Installation Sheet.
4. Attach the assembled Lookout Split Entry to the Ring Clamps. See Detail 026.
5. Attach the assembled Lookout Split Entry to the deck. See Detail 318.
6. Plumb and level the entire assembly and tighten all fasteners.

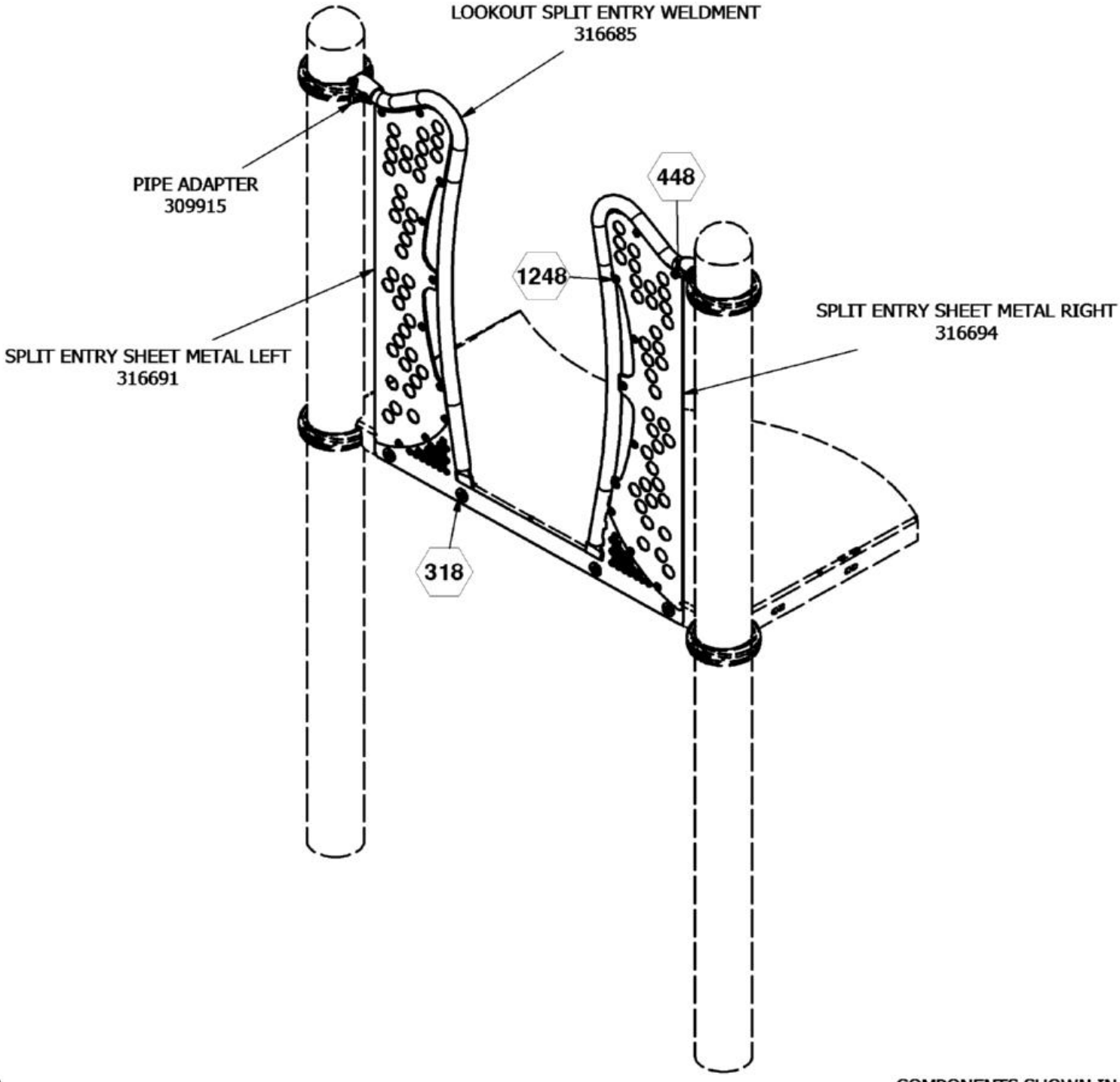
IMPORTANT! Avoid creating any gaps between the components which fall between 3 1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

7. When the stucture is finished and satisfactory, tighten all fasteners and install Drive Rivets in all the 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 the play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the Safety Guidlines.

72096 LOOKOUT SPLIT ENTRY

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.



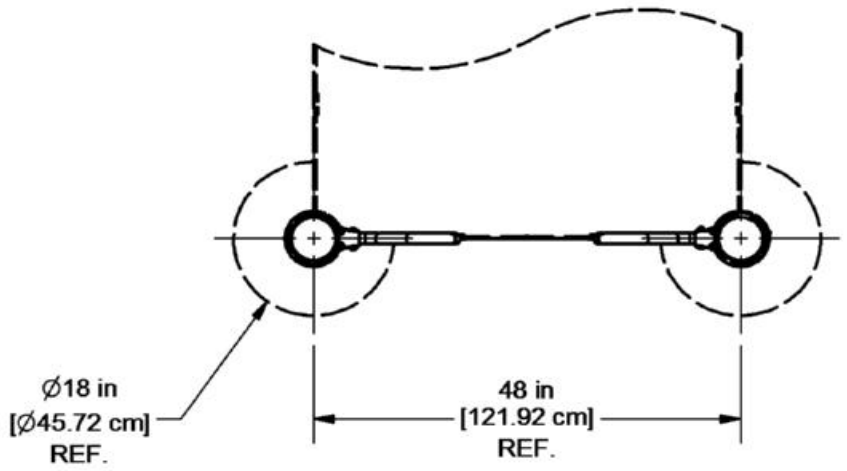
⬡ = INSTALLATION DETAIL

FINISHED ASSEMBLY

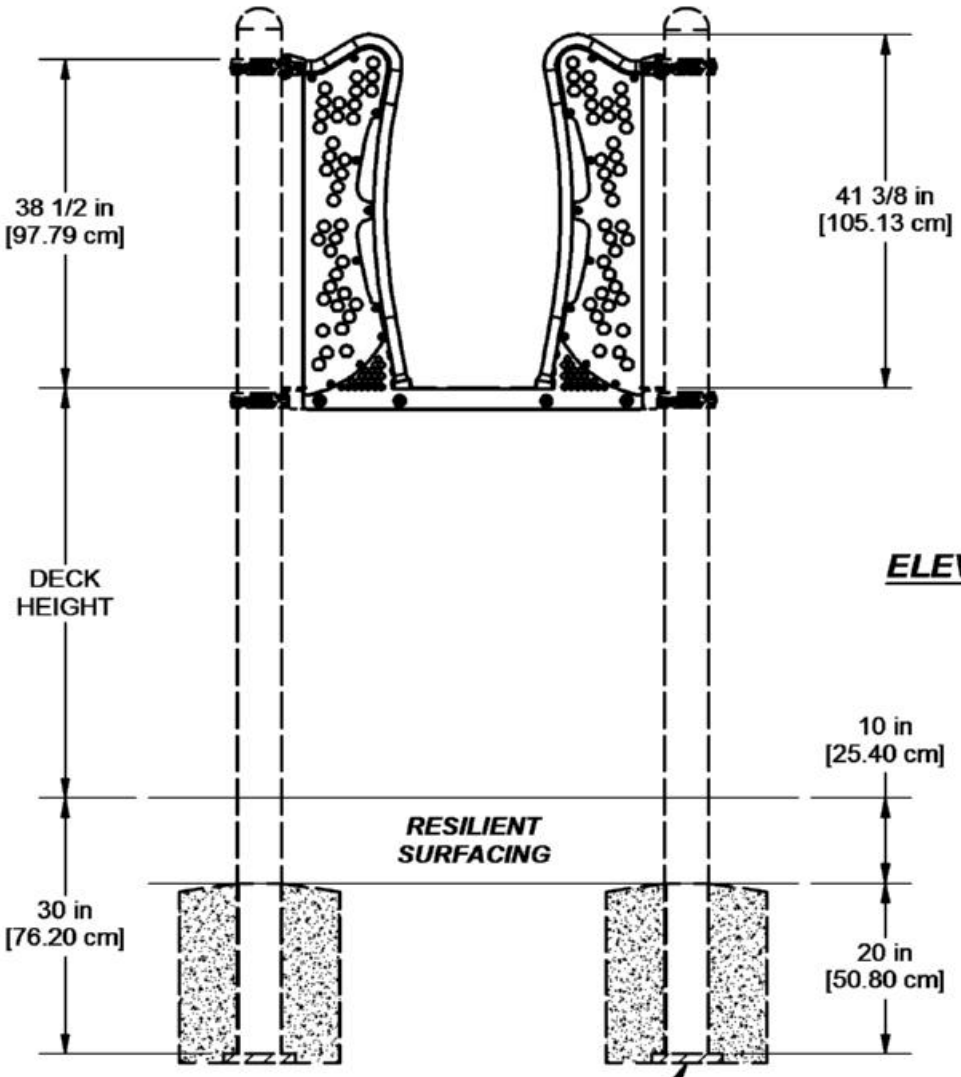
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 6/16/2023

72096 LOOKOUT SPLIT ENTRY

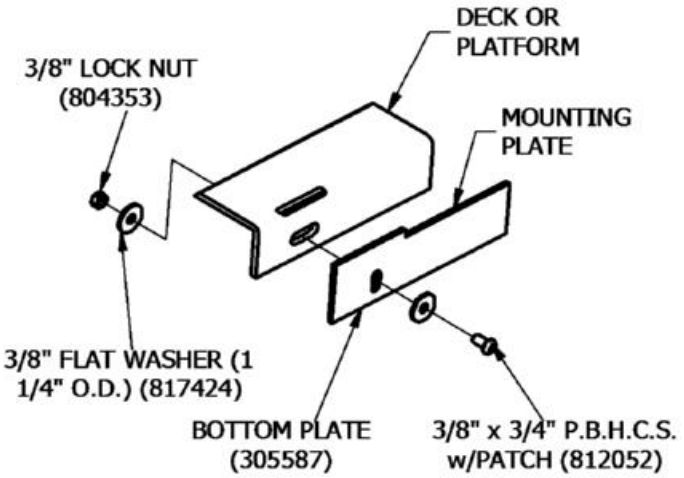


PLAN VIEW



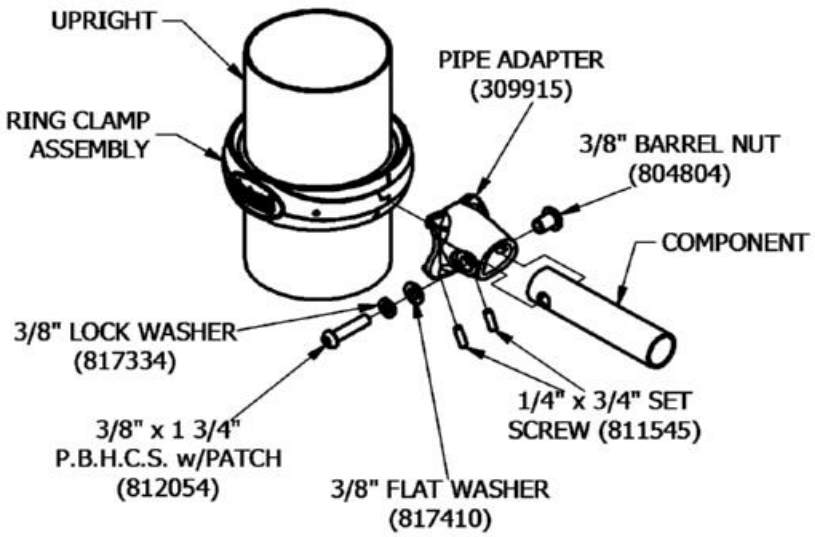
ELEVATION VIEW

72096 LOOKOUT SPLIT ENTRY

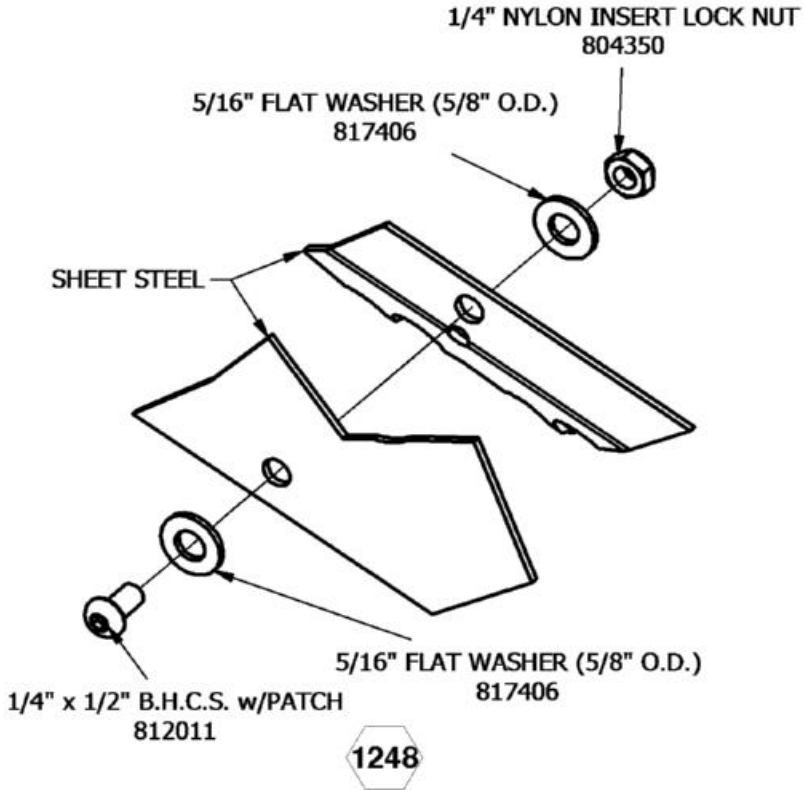


318

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



448



1248

72167 POLICE ROTOGEN PANEL

Parts List		
DESCRIPTION	QTY	PART NUMBER
PANEL ADAPTER	4	309919
POLICE CAR PANEL	1	317036
POLICE CAR TACK ON	1	317037
SIREN ROTOGEN WHEEL	1	317045
HARDWARE COMPLETE	1	317038
#10 x 1" SELF-TAPPING SCREW	3	809608
1/4" x 3/4" SET SCREW	8	811545
1/4" x 1 1/4" P.B.H.C.S. w/Patch	1	812013
1/4" LOCK WASHER	1	817326
5/16" NYLON INSERT LOCKNUT	1	804352
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	4	812053
3/8" FLAT WASHER	8	817410
3/8" BARREL NUT	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.

INSTALLATION INSTRUCTIONS:

1. Determine which deck is to receive the Police Rotogen Panel. Refer to order Top View.
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. See Detail 467.
4. Remove the back of Siren Rotogen Wheel, and drill pilot holes for Police Tack On. Attach Police Tack On to backing and reassemble. See Detail 1283.
5. Attach assembled Siren Rotogen Wheel to Police Panel. See Detail 1287.
6. Attach assembled Police Rotogen Panel to Panel Adapters. See Detail 467.
7. 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 for 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.

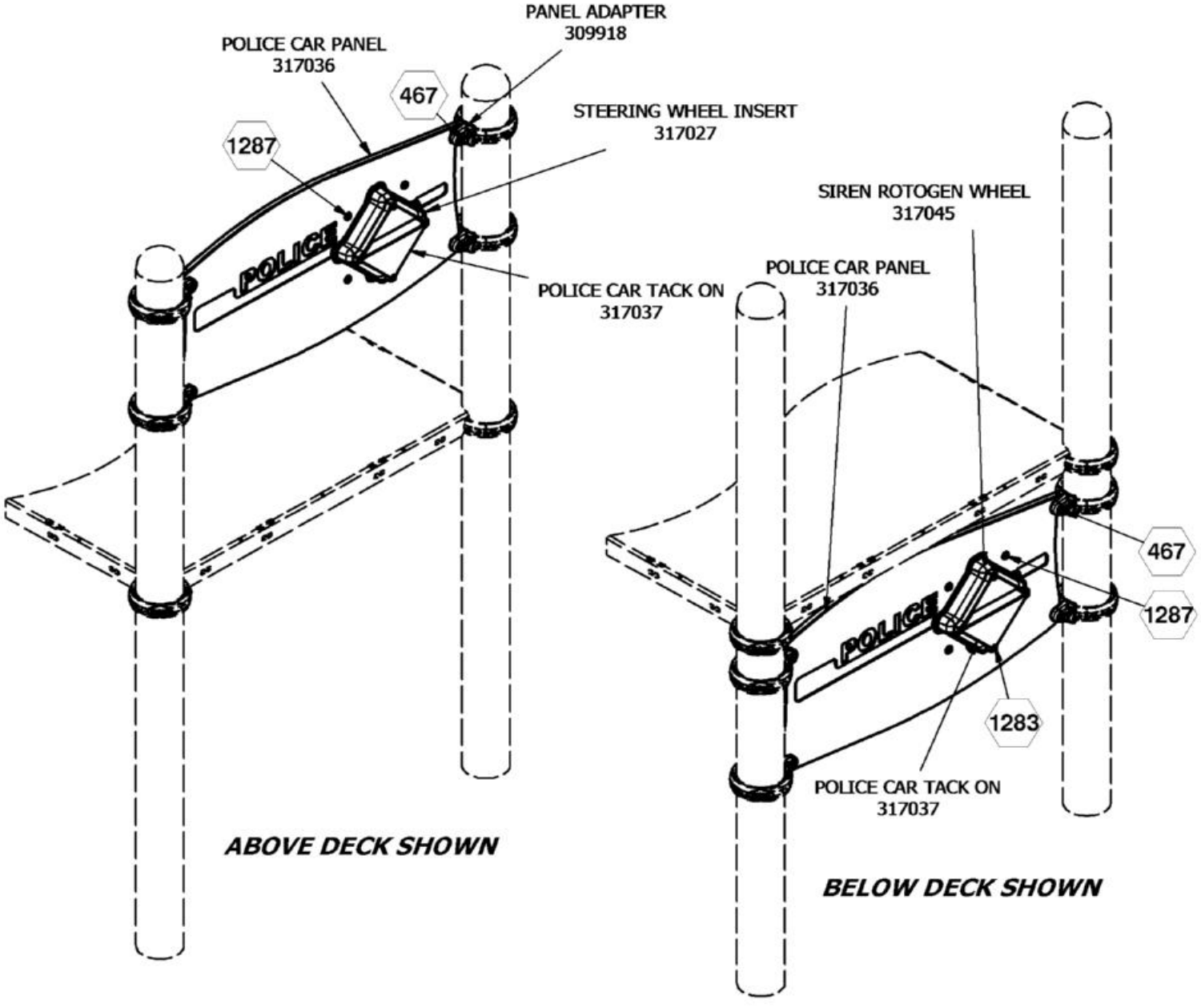
8. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support 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.

SuperMax Play Systems

72167 POLICE ROTOGEN PANEL

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.

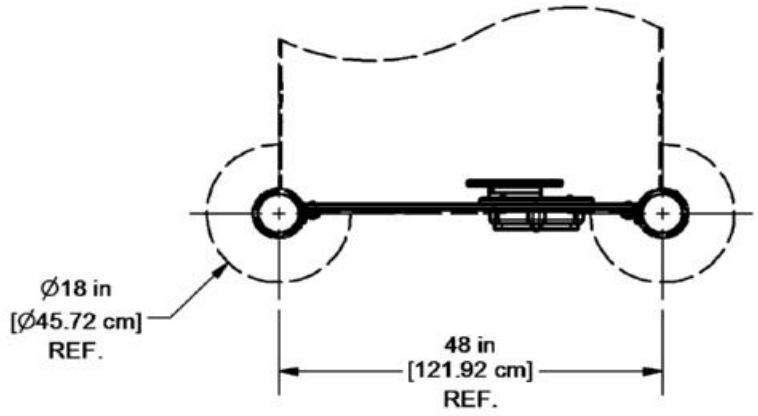


⬡ = INSTALLATION DETAIL

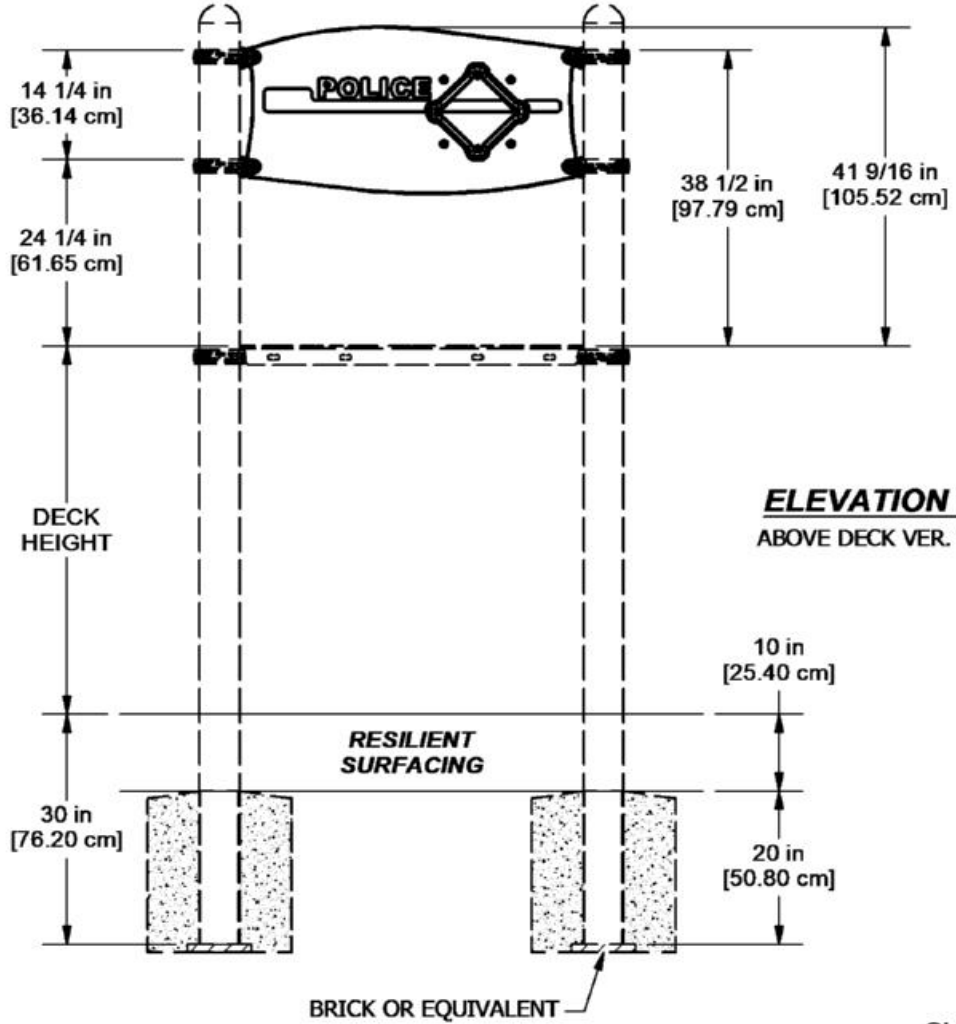
FINISHED ASSEMBLY

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

72167 POLICE ROTOGEN PANEL (ABOVE DECK VER.)



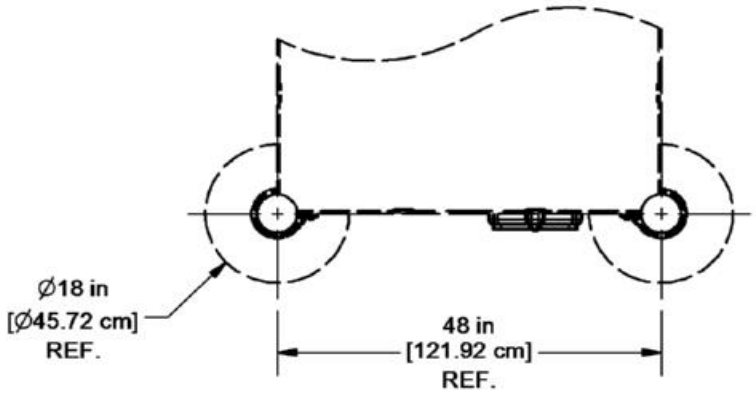
PLAN VIEW



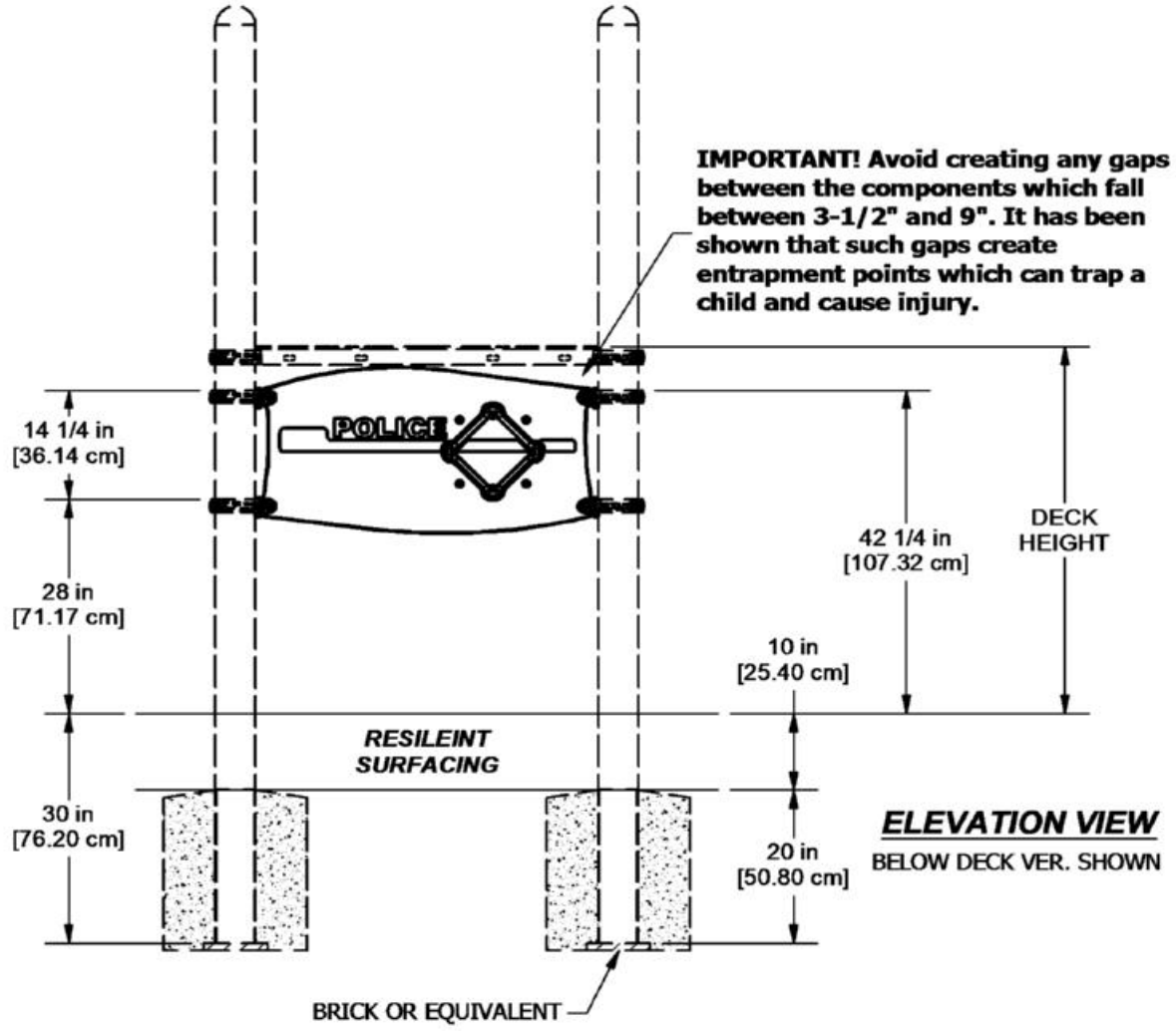
ELEVATION VIEW

ABOVE DECK VER. SHOWN

72167 POLICE ROTOGEN PANEL (BELOW DECK VER.)



PLAN VIEW

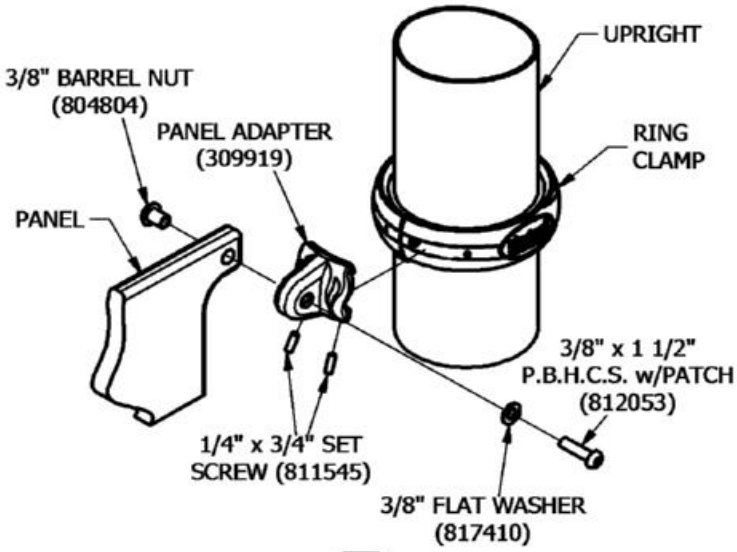


ELEVATION VIEW
BELOW DECK VER. SHOWN

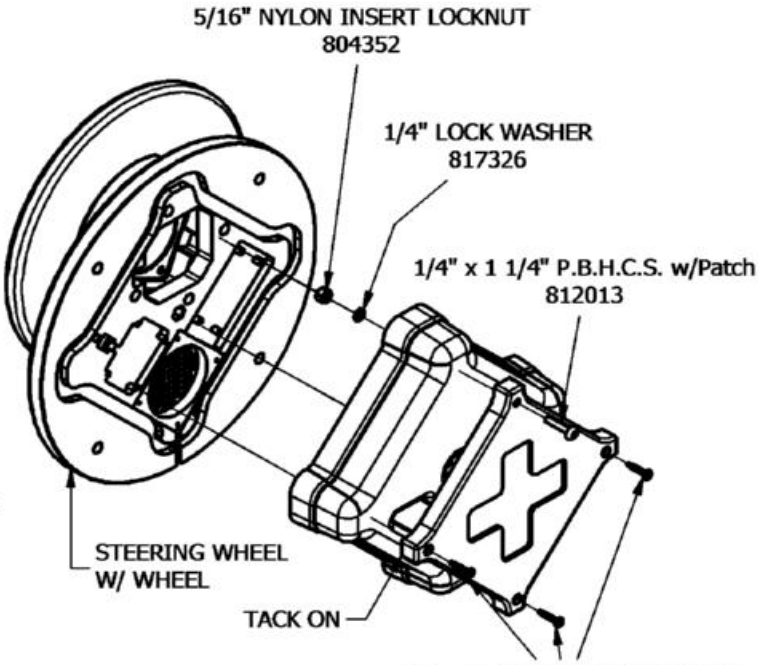
72167 POLICE ROTOGEN PANEL

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

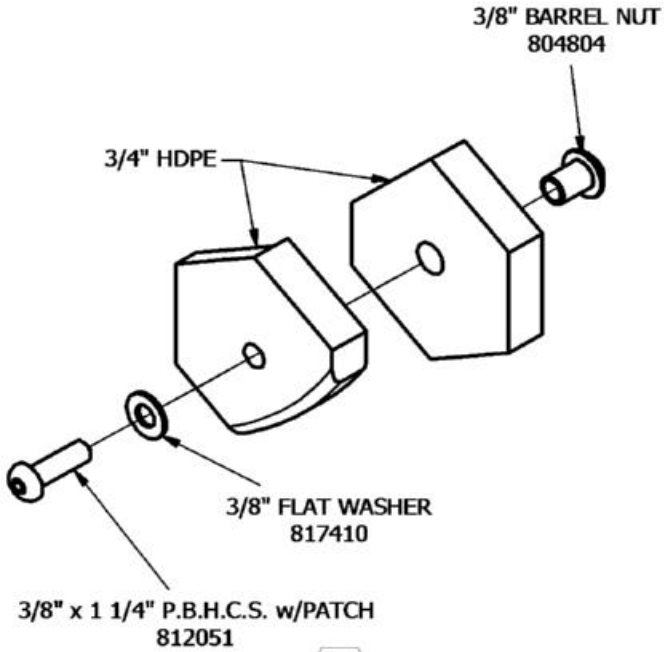
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.



467



1283



1287

72168 RACECAR ROTOGEN PANEL

Parts List		
DESCRIPTION	QTY	PART NUMBER
PANEL ADAPTER	4	309919
RACECAR PANEL	1	317040
RACECAR TACK ON	1	317041
STEERING WHEEL INSERT	1	317027
HARDWARE COMPLETE	1	317038
#10 x 1" SELF-TAPPING SCREW	3	809608
1/4" x 3/4" SET SCREW	8	811545
1/4" x 1 1/4" P.B.H.C.S. w/Patch	1	812013
1/4" LOCK WASHER	1	817326
5/16" NYLON INSERT LOCKNUT	1	804352
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	4	812053
3/8" FLAT WASHER	8	817410
3/8" BARREL NUT	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.

INSTALLATION INSTRUCTIONS:

1. Determine which deck is to receive the Racecar Rotogen Panel. Refer to order Top View.
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. See Detail 467.
4. Remove the back of Steering Wheel Insert, and drill pilot holes for Racecar Tack On. Attach Racecar Tack On to backing and reassemble. See Detail 1283.
5. Attach assembled Steering Wheel Insert to Racecar Panel. See Detail 1287.
6. Attach assembled Racecar Rotogen Panel to Panel Adapters. See Detail 467.
7. 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 for 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.

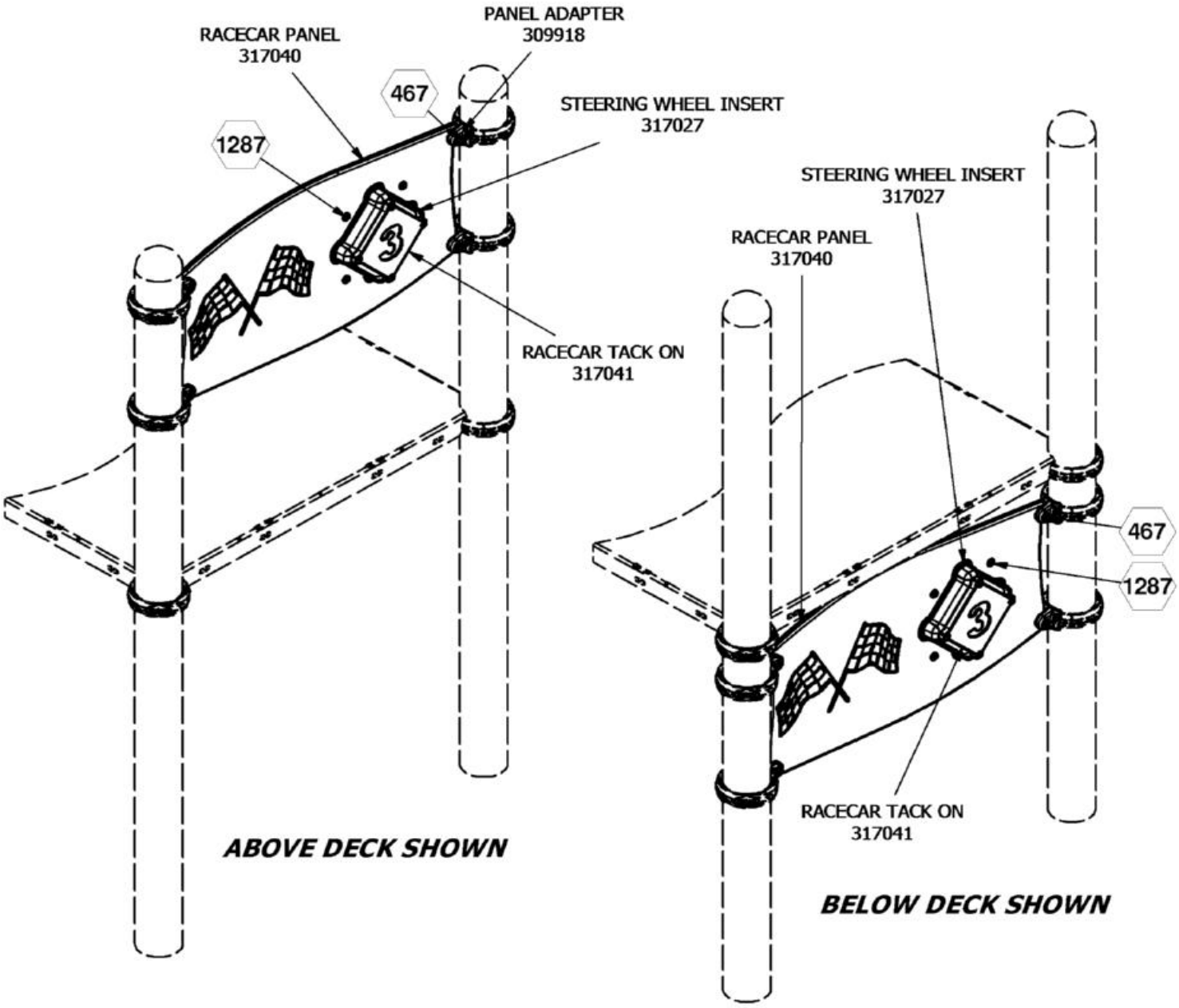
8. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support 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.

SuperMax Play Systems

72168 RACECAR ROTOGEN PANEL

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.



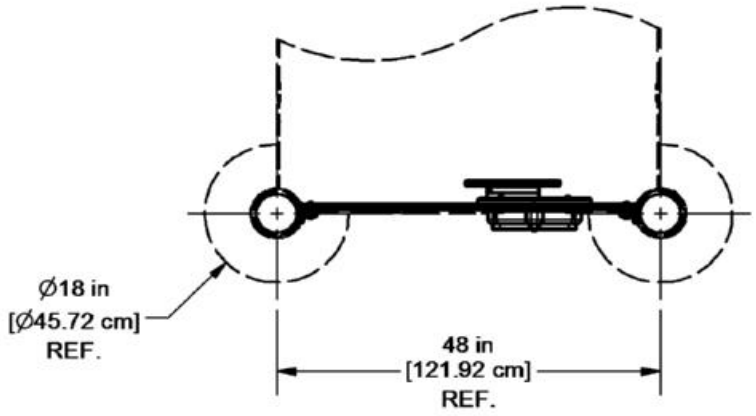
⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

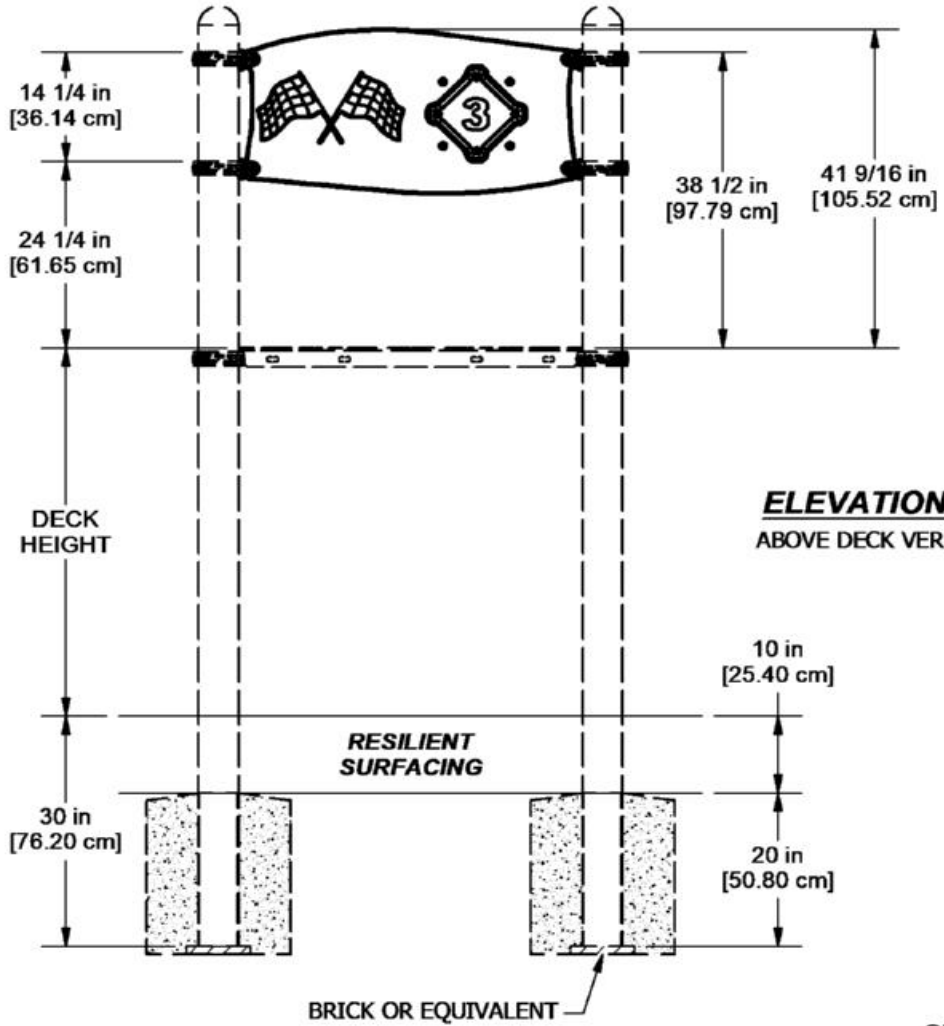
Issued/Revised: 6/12/2024

FINISHED ASSEMBLY

72168 RACECAR ROTOGEN PANEL (ABOVE DECK VER.)



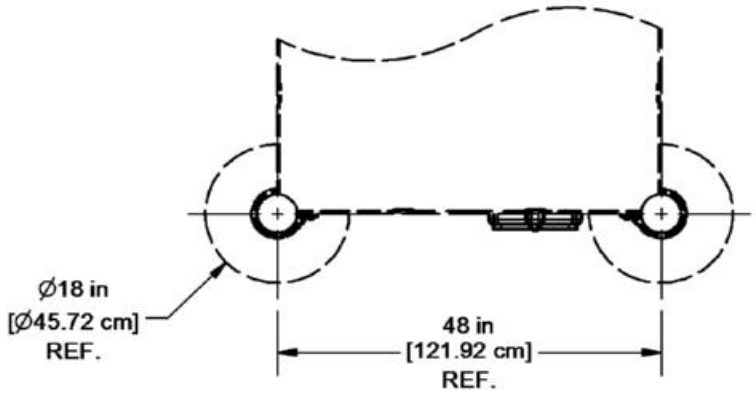
PLAN VIEW



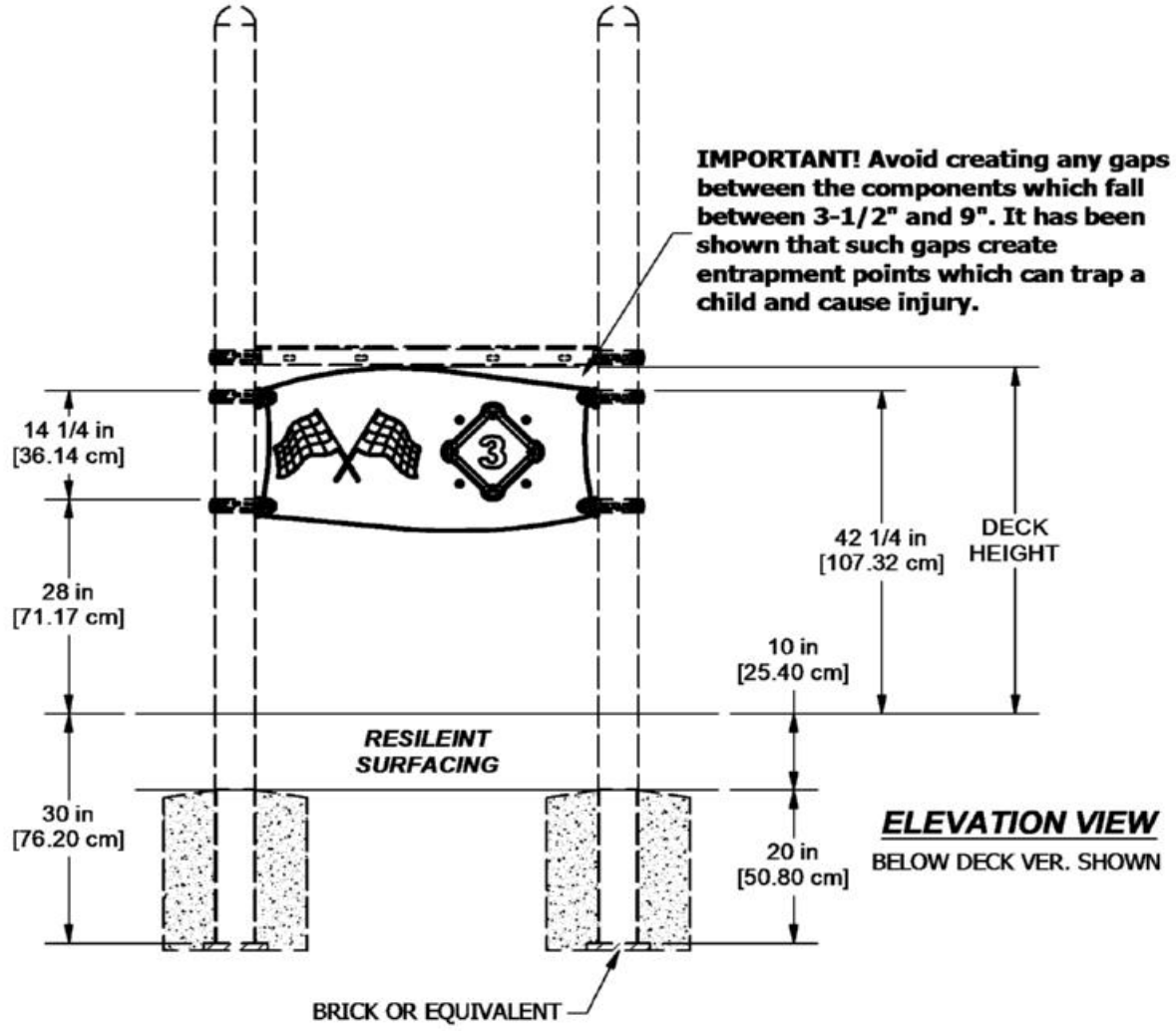
ELEVATION VIEW

ABOVE DECK VER. SHOWN

72168 RACECAR ROTOGEN PANEL (BELOW DECK VER.)



PLAN VIEW



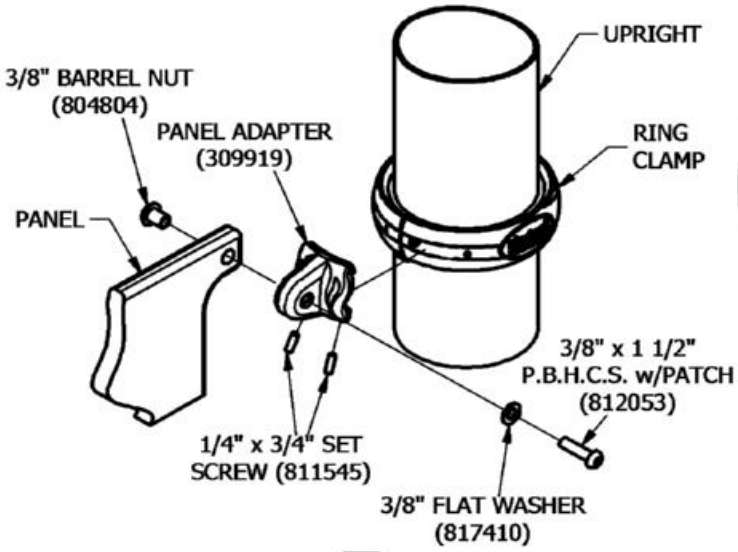
ELEVATION VIEW

BELOW DECK VER. SHOWN

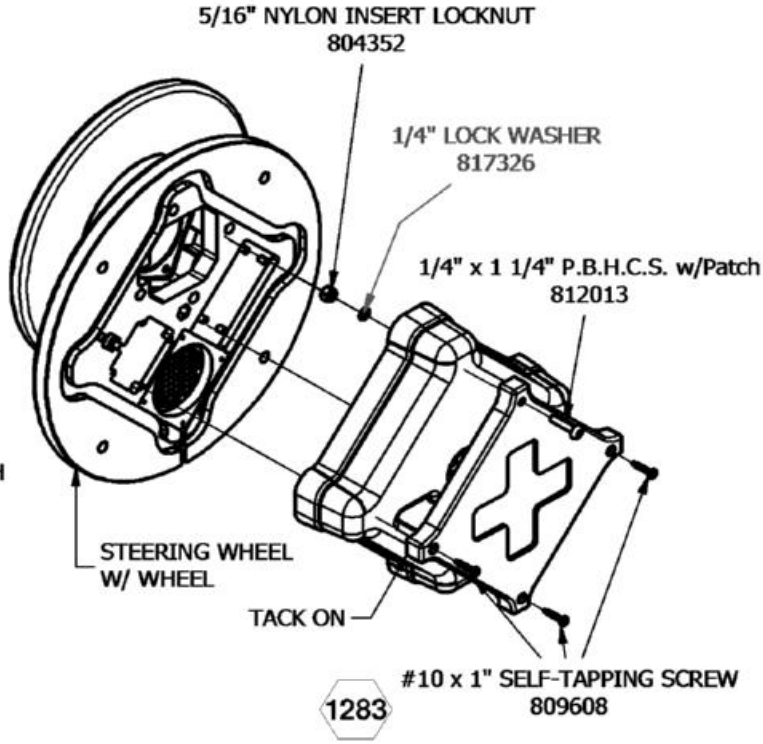
72168 RACECAR ROTOGEN PANEL

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

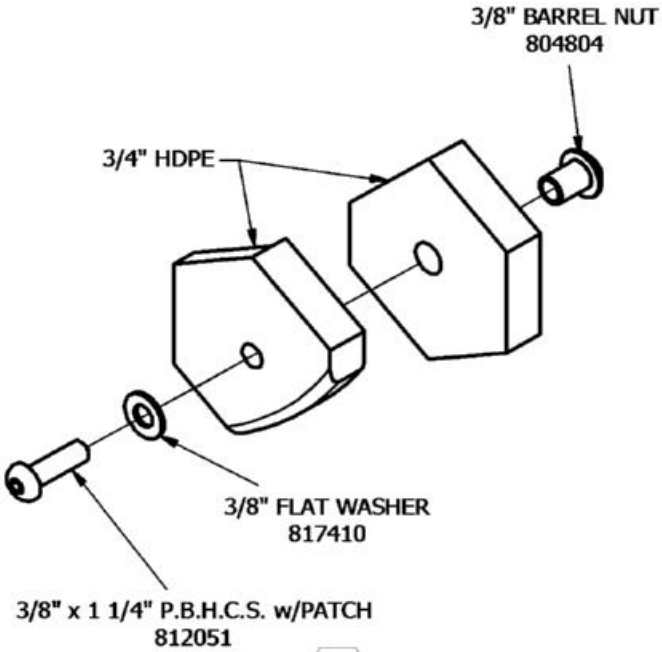
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.



467



1283



1287

72172 LOOKOUT STAIRS (1'-4"); 72173 (2'-0"); 72174 (2'-8"); 72175 (3'-4"); 72176 (4'-0")

Parts List						
DESCRIPTION	72172	72173	72174	72175	72176	PART NUMBER
PIPE ADAPTER	4	4	4	4	4	309915
COATED STAIRS (16" RISE)	1	0	0	0	0	307252
1'-4" STAIR BARRIER WELDMENT LEFT	1	0	0	0	0	317060
1'-4" STAIR BARRIER WELDMENT RIGHT	1	0	0	0	0	317062
1'-4" STAIR PANEL	2	0	0	0	0	317064
STAIRS (2'-0" RISE)	0	1	0	0	0	307274
2'-0" STAIR BARRIER WELDMENT LEFT	0	1	0	0	0	317076
2'-0" STAIR BARRIER WELDMENT RIGHT	0	1	0	0	0	317078
2'-0" STAIR PANEL	0	2	0	0	0	317080
STAIRS (2'-8" RISE)	0	0	1	0	0	307281
2'-8" STAIR BARRIER WELDMENT LEFT	0	0	1	0	0	317047
2'-8" STAIR BARRIER WELDMENT RIGHT	0	0	1	0	0	317049
STAIR PANEL BED LASER	0	0	2	0	0	317054
STAIRS (3'-4" RISE)	0	0	0	1	0	307288
3'-4" STAIR BARRIER WELDMENT LEFT	0	0	0	1	0	317083
3'-4" STAIR BARRIER WELDMENT RIGHT	0	0	0	1	0	317085
3'-4" STAIR PANEL BOTTOM	0	0	0	2	0	317087
3'-4" STAIR PANEL TOP	0	0	0	2	0	317089
STAIRS (64" DECK)	0	0	0	0	1	307297
4'-0" STAIR BARRIER WELDMENT LEFT	0	0	0	0	1	317092
4'-0" STAIR BARRIER WELDMENT RIGHT	0	0	0	0	1	317094
4'-0" STAIR PANEL BOTTOM	0	0	0	0	2	317096
4'-0" STAIR PANEL TOP	0	0	0	0	2	317098
HARDWARE COMPLETE	1	0	0	0	0	317065
HARDWARE COMPLETE	0	1	0	0	0	317081
HARDWARE COMPLETE	0	0	1	0	0	317052
HARDWARE COMPLETE	0	0	0	1	1	317090
1/4" x 3/4" SET SCREW	8	8	8	8	8	811545
5/16" x 3/4" P.B.H.C.S. w/PATCH	12	19	20	40	40	812040
5/16" LOCK WASHER	12	19	20	40	40	817330
5/16" FLAT WASHER (11/16" O.D.)	24	38	40	80	80	817406
5/16" NYLON INSERT LOCKNUT	12	19	20	40	40	804352
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" LOCK WASHER	4	4	4	4	4	817334
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" BARREL NUT	4	4	4	4	4	804804
3/8" LOCK NUT	8	8	8	8	8	804353

72172 LOOKOUT STAIRS (1'-4"); 72173 (2'-0"); 72174 (2'-8"); 72175 (3'-4"); 72176 (4'-0")

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 Lookout Stairs. Refer to order Top View.

2. With sufficient manpower, lift the stair and fasten to the decks. 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. See Detail 448.

4. Attach Stair Panels to Stair Barrier Weldments. See Detail 1248.

5. Attach Barriers to Pipe Adapters. See Detail 448.

6. Attach the bottom tab of the Barriers to the decks. See Detail 449.

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

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 for at least 48 hours before use.

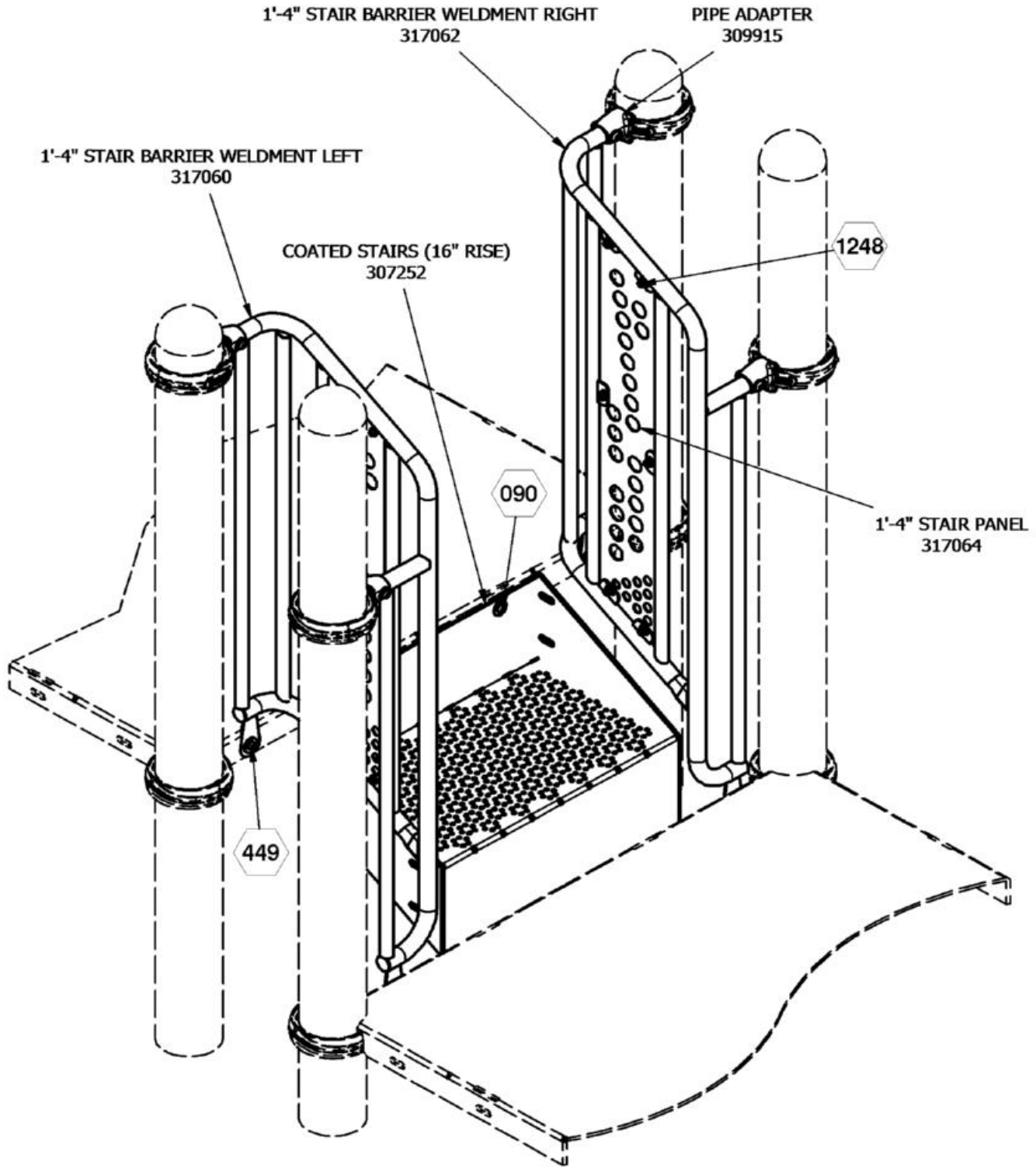
IMPORTANT! Avoid creating any gaps between the components which fall between 3 1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

9. 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. 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.

72172 LOOKOUT STAIRS (1'-4")



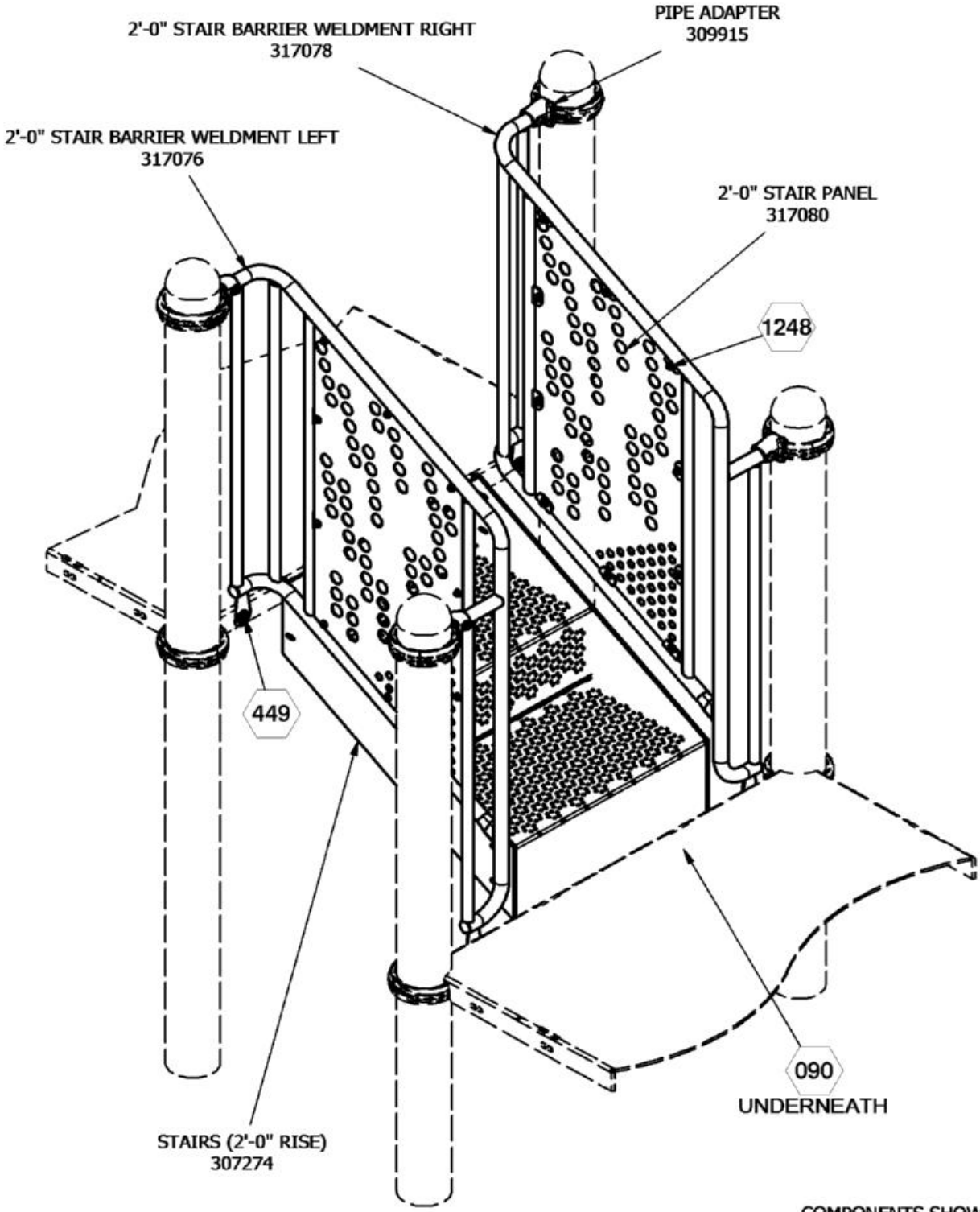
= INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 1/6/2025

FINISHED ASSEMBLY

72173 LOOKOUT STAIRS (2'-0")



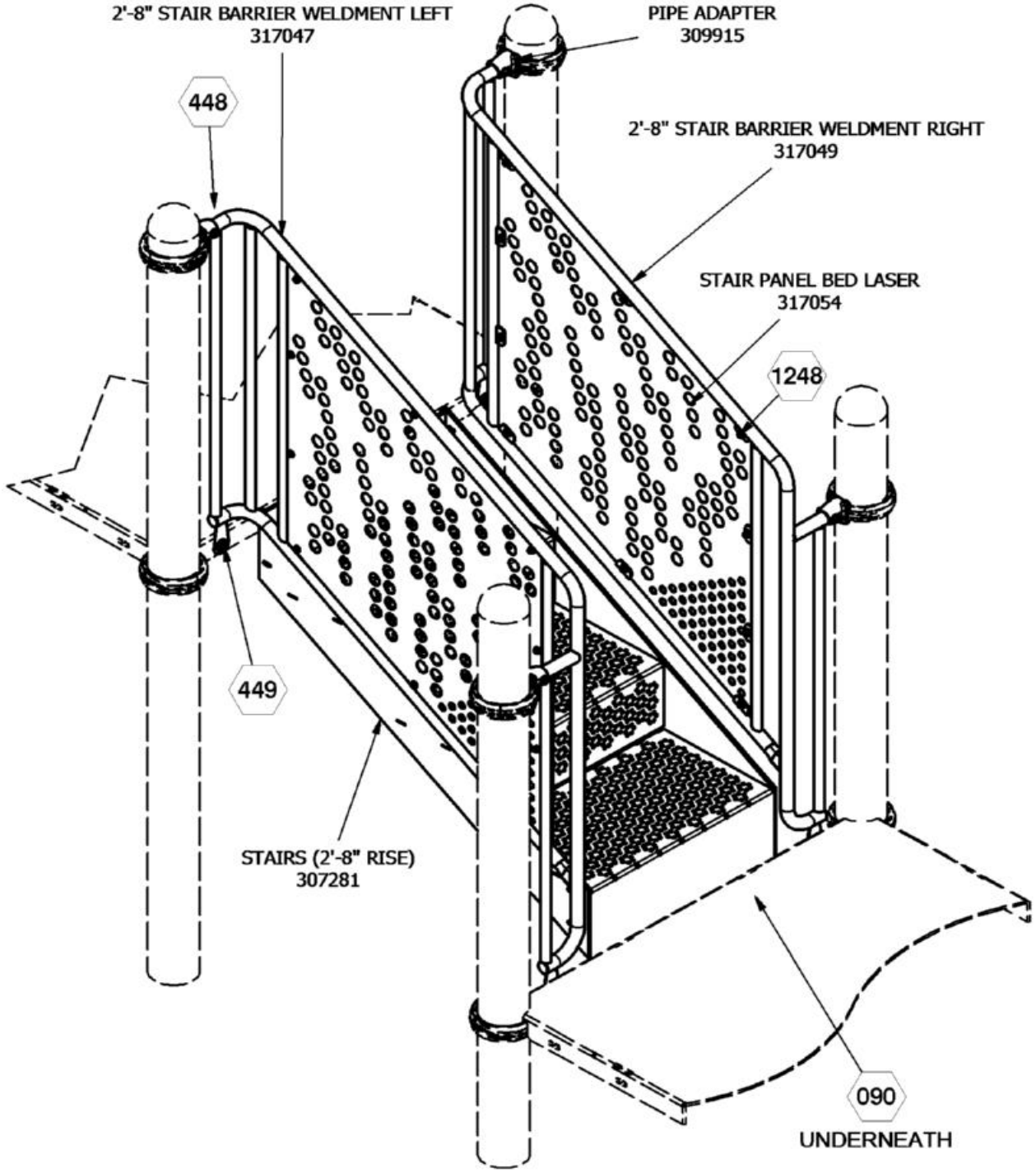
= INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 1/6/2025

FINISHED ASSEMBLY

72174 LOOKOUT STAIRS (2'-8")



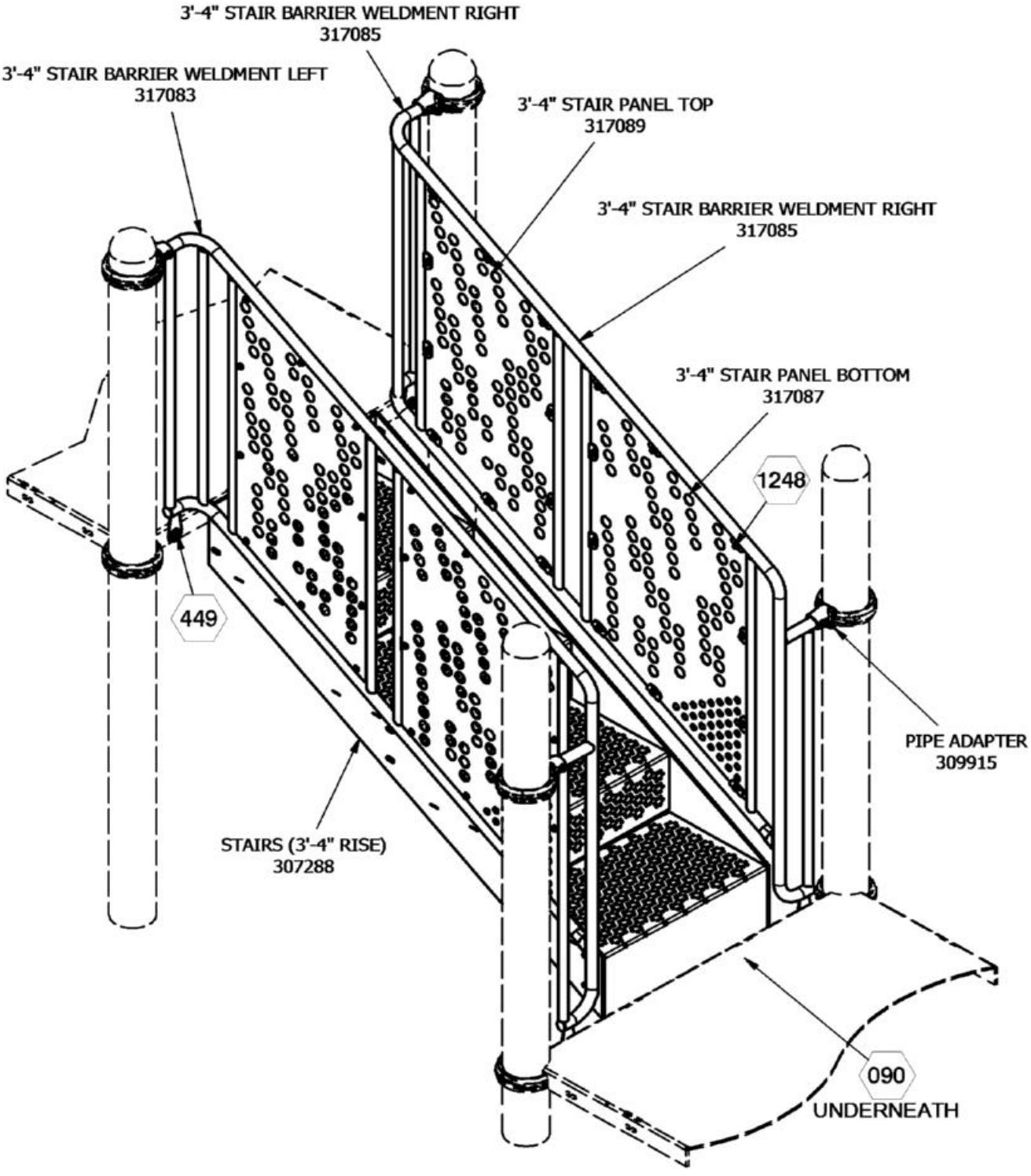
⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 1/6/2025

FINISHED ASSEMBLY

72175 LOOKOUT STAIRS (3'-4")



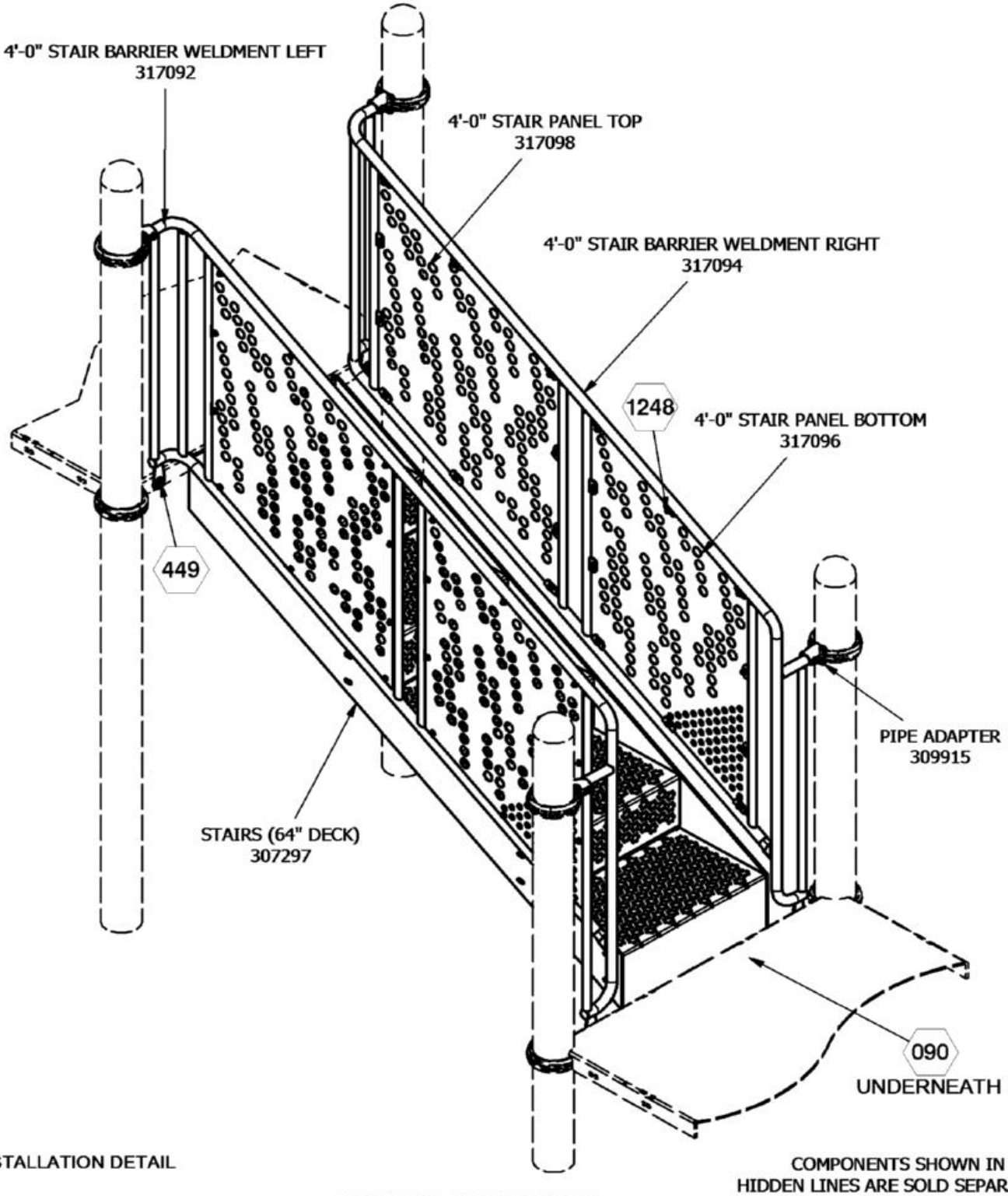
= INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 1/6/2025

FINISHED ASSEMBLY

72176 LOOKOUT STAIRS (4'-0")



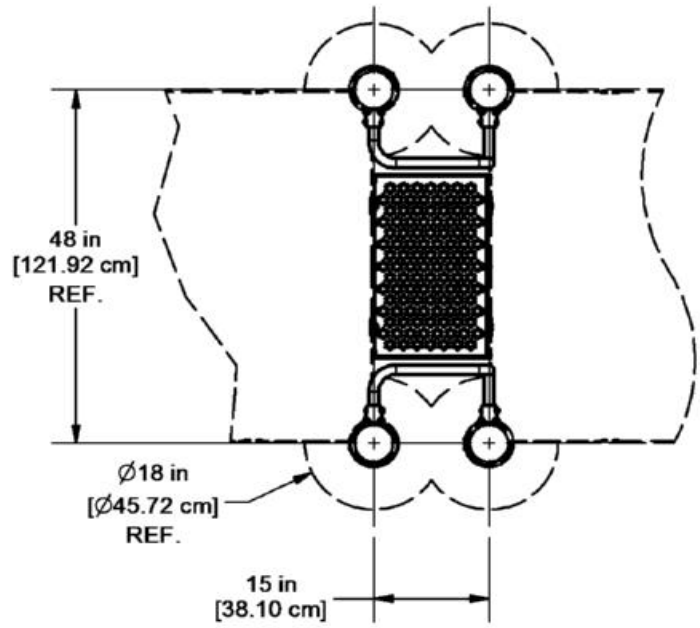
⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

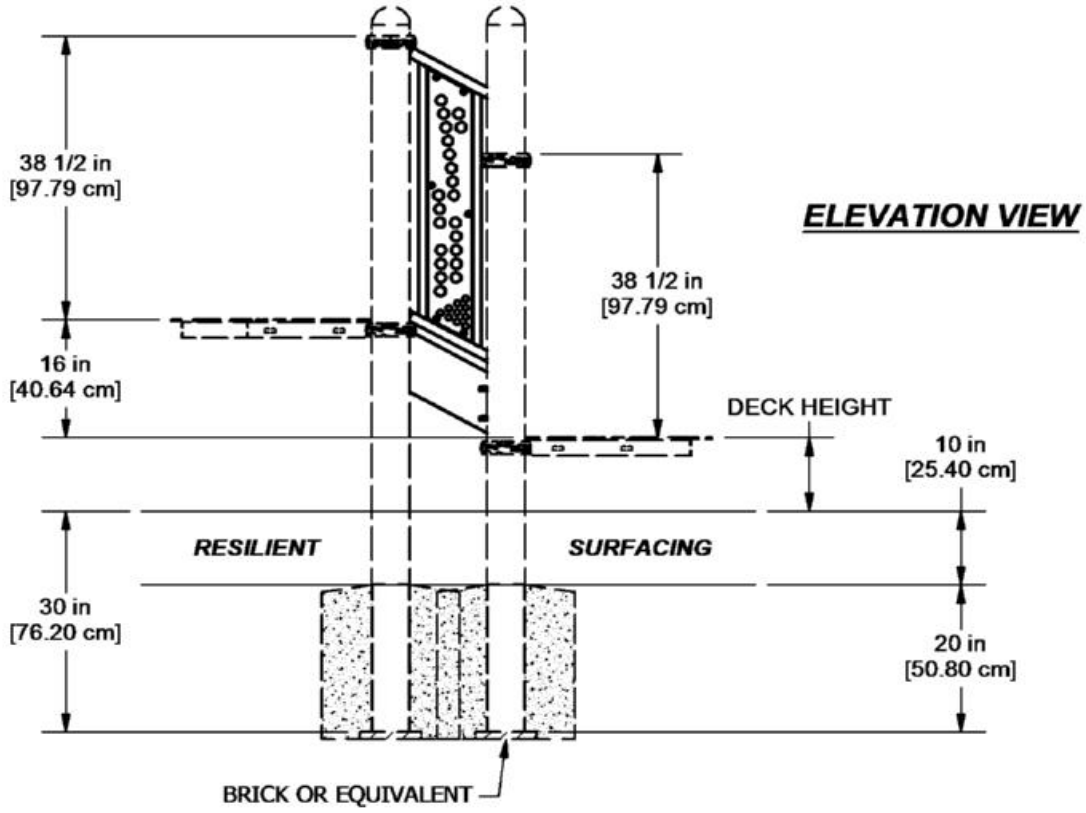
Issued/Revised: 1/6/2025

FINISHED ASSEMBLY

72172 LOOKOUT STAIRS (1'-4")

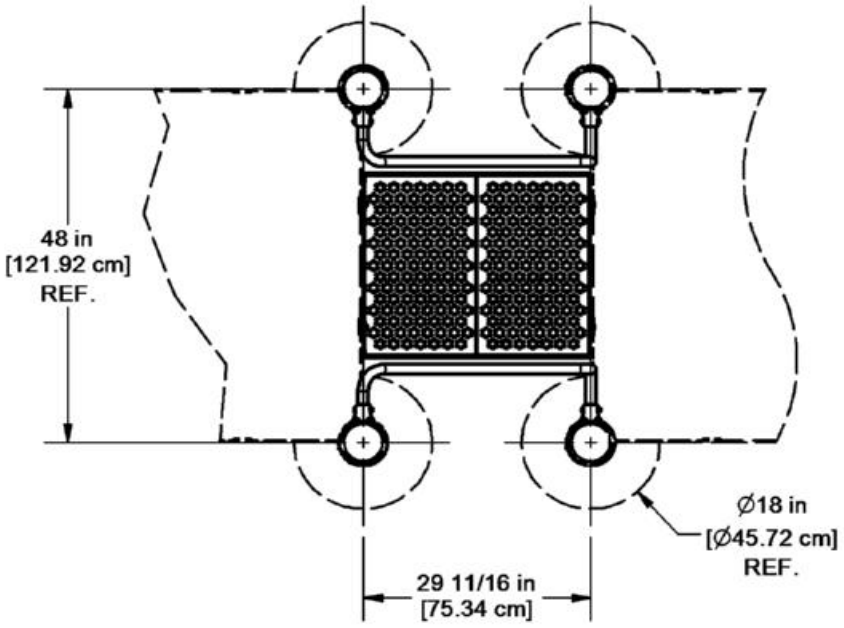


PLAN VIEW

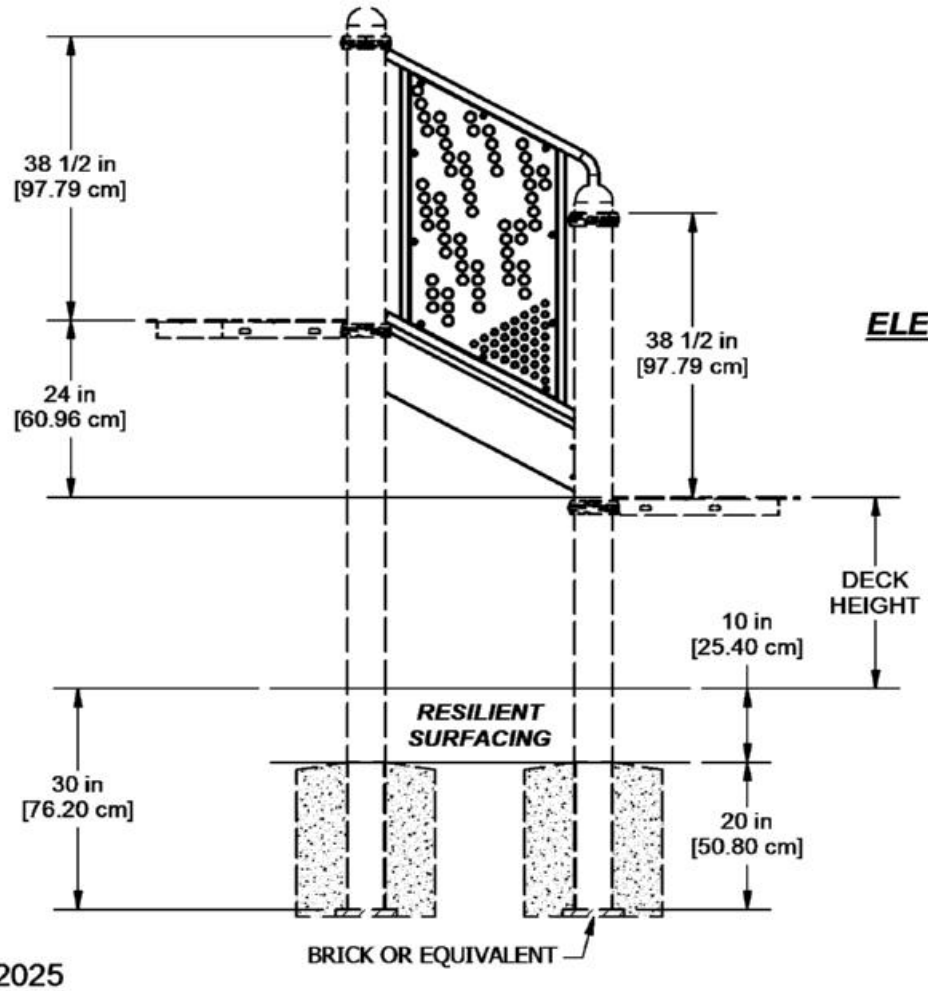


ELEVATION VIEW

72173 LOOKOUT STAIRS (2'-0")

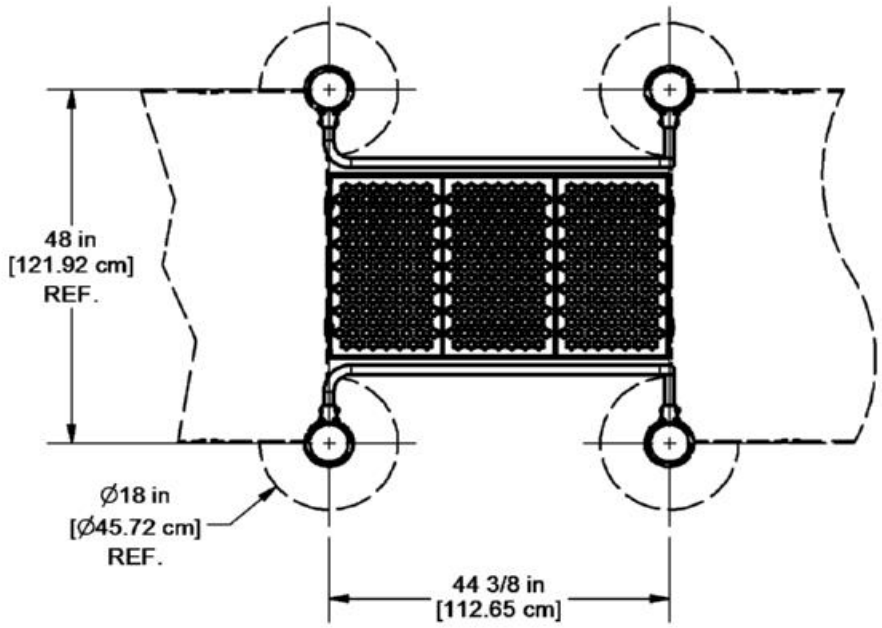


PLAN VIEW

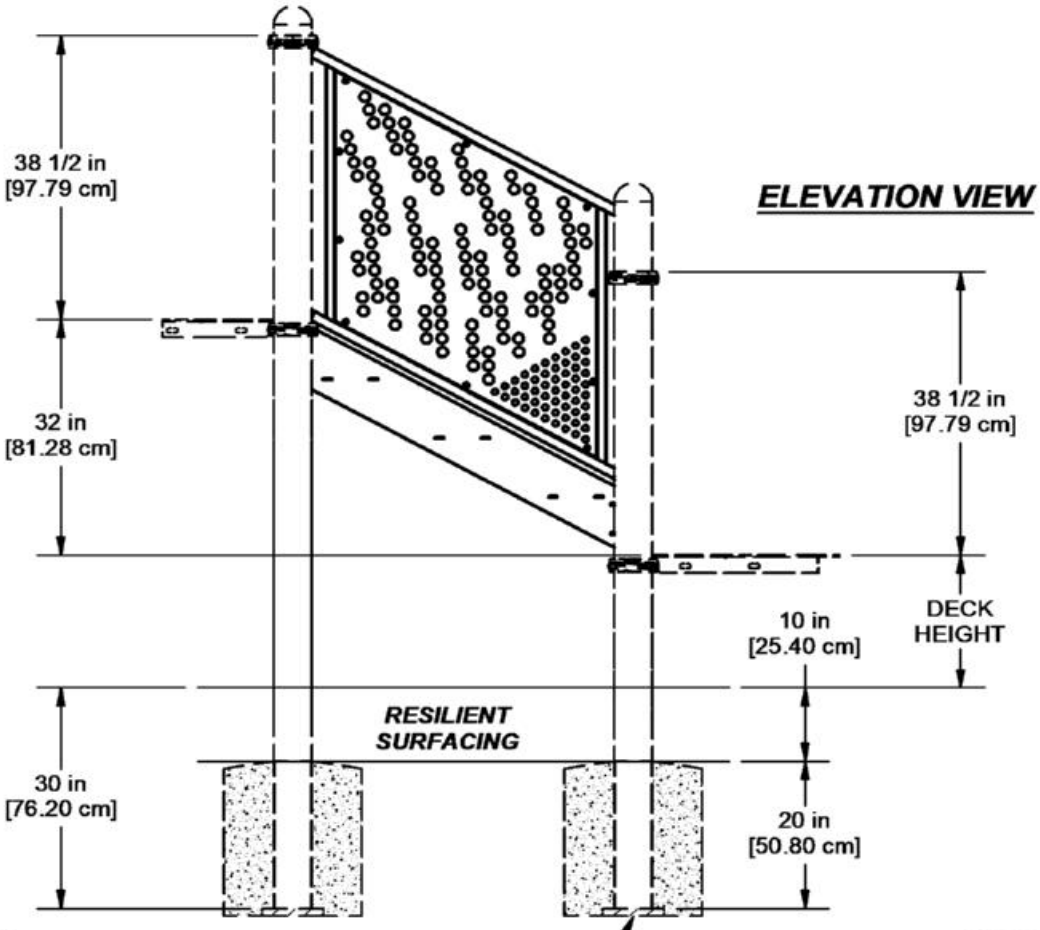


ELEVATION VIEW

72174 LOOKOUT STAIRS (2'-8")

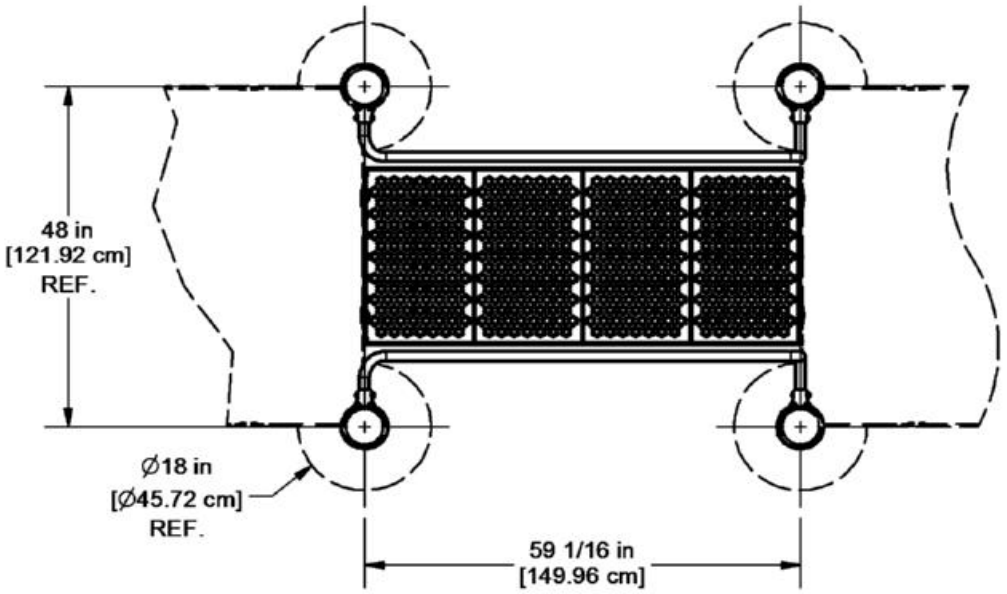


PLAN VIEW

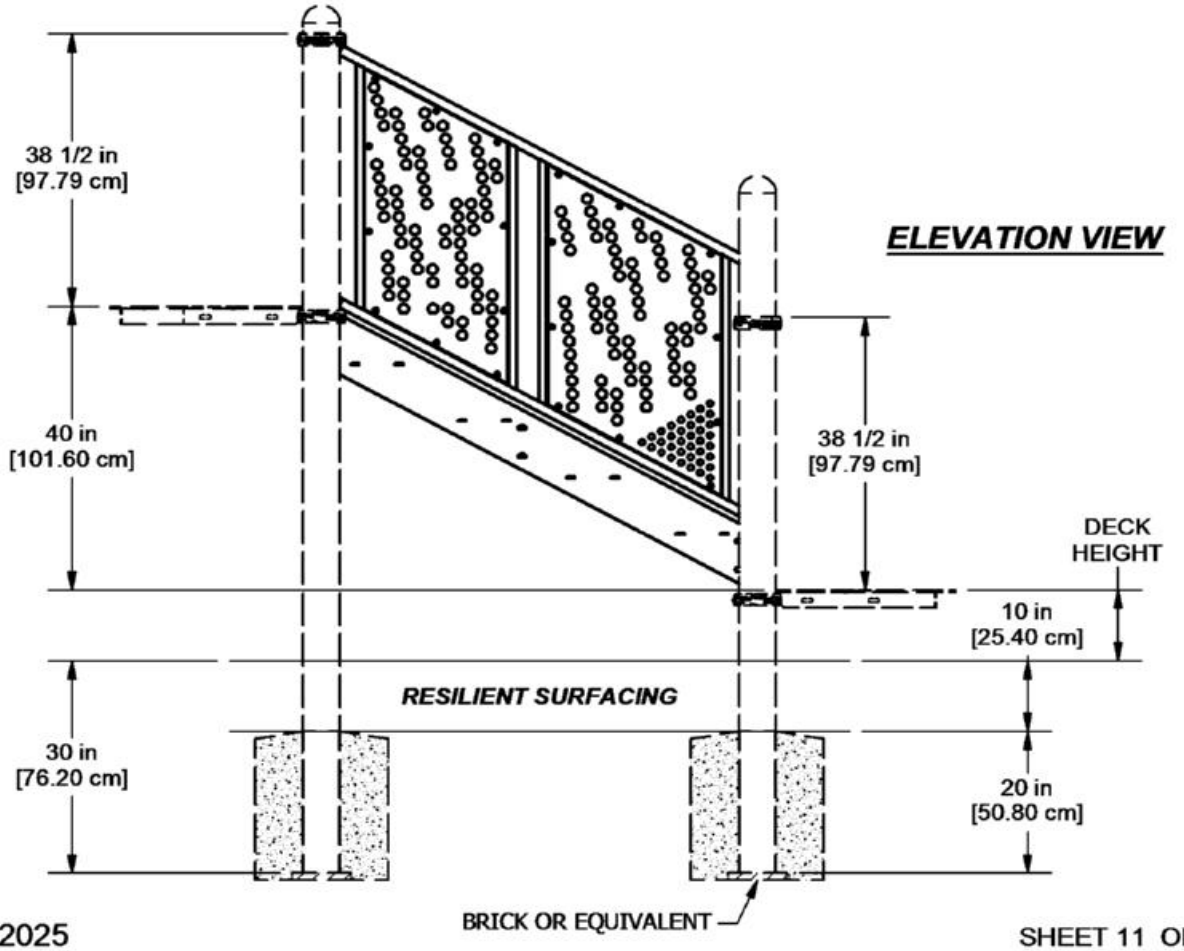


ELEVATION VIEW

72175 LOOKOUT STAIRS (3'-4")

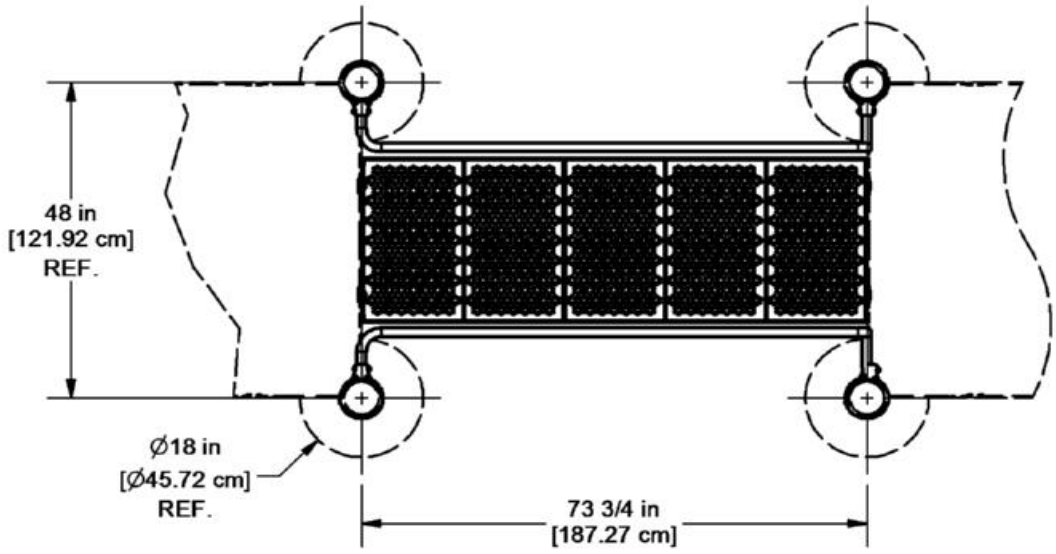


PLAN VIEW

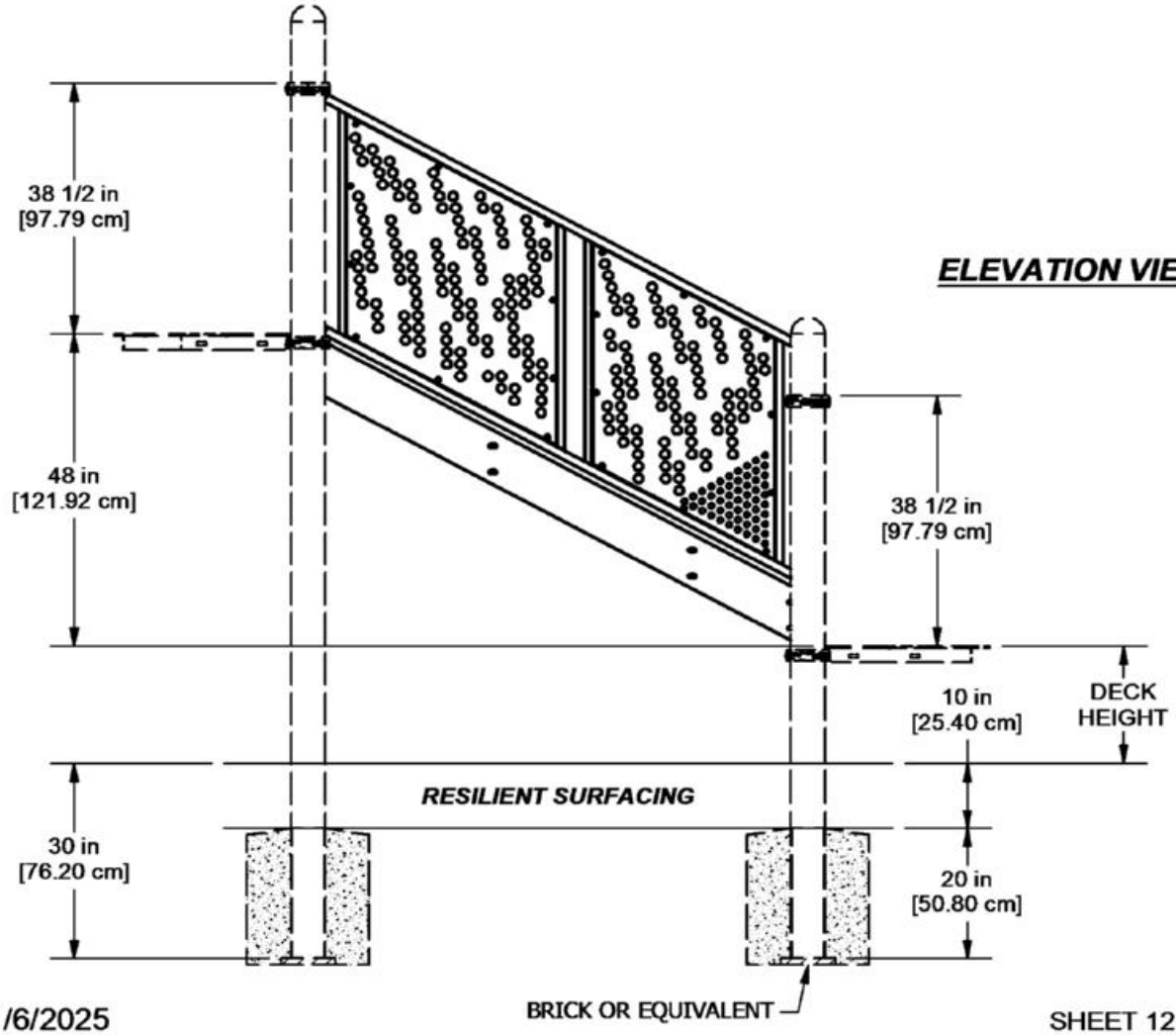


ELEVATION VIEW

72176 LOOKOUT STAIRS (4'-0")

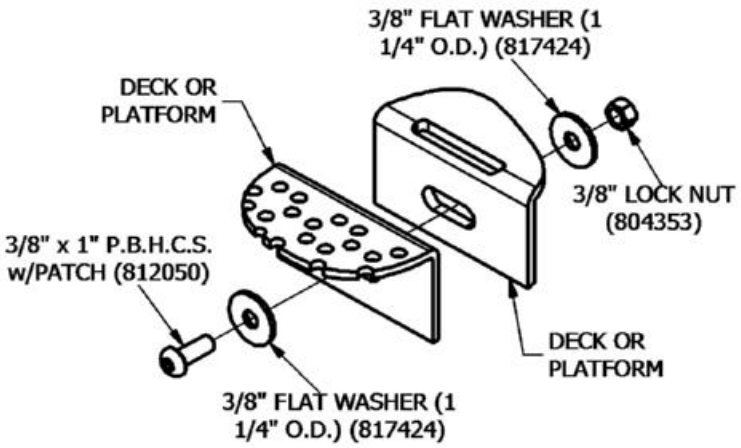


PLAN VIEW

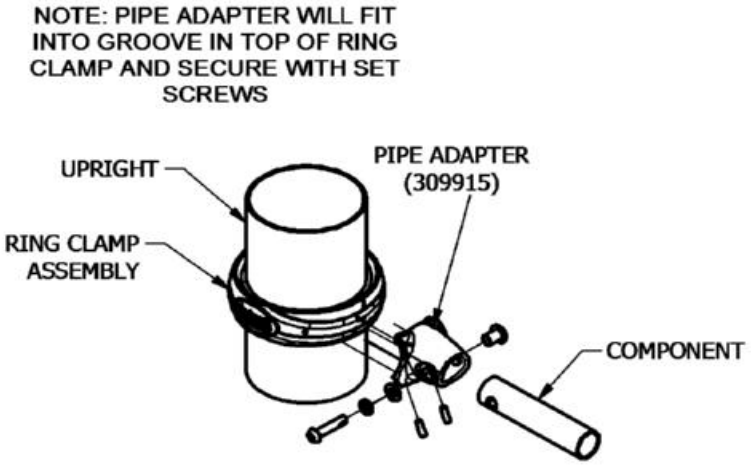


ELEVATION VIEW

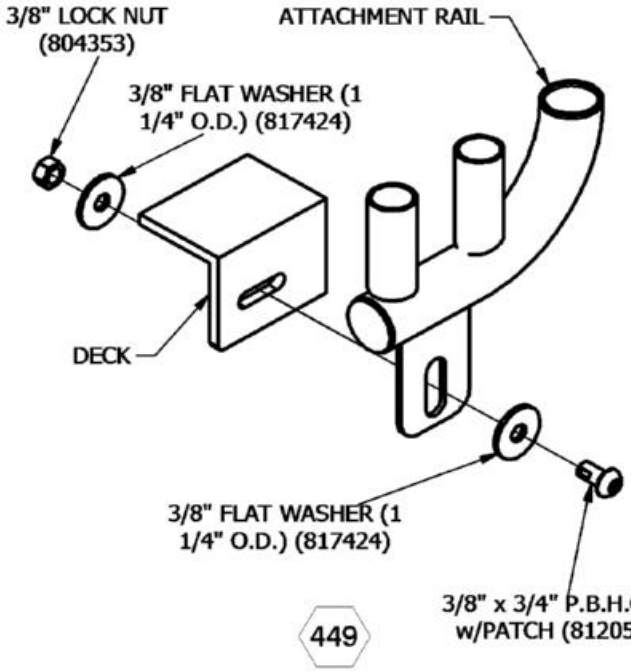
72172 LOOKOUT STAIRS (1'-4"); 72173 (2'-0"); 72174 (2'-8"); 72175 (3'-4"); 72176 (4'-0")



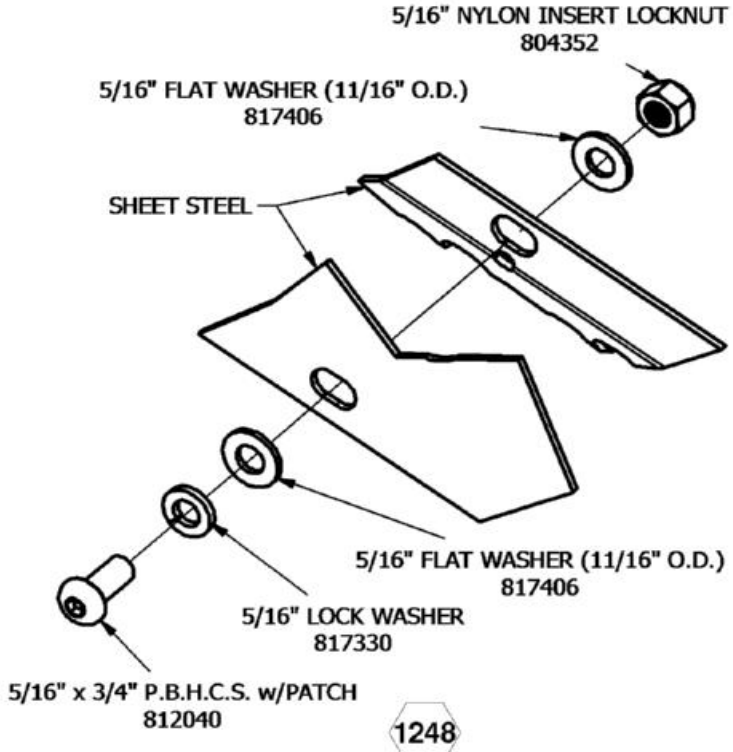
090



448



449



1248

72179 LOOKOUT STAIRS (1'-0"); 72180 (1'-8"); 72181 (2'-4"); 72182 (3'-0"); 72183 (3'-8")

Parts List						
DESCRIPTION	72179	72180	72181	72182	72183	PART NUMBER
PIPE ADAPTER	4	4	4	0	0	309915
1' RISE STAIR	1	0	0	0	0	316574
1'-0" STAIR BARRIER WELDMENT LEFT	1	0	0	0	0	317141
1'-0" STAIR BARRIER WELDMENT RIGHT	1	0	0	0	0	317143
1'-0" STAIR PANEL	2	0	0	0	0	317145
1'-8" RISE STAIRS	0	1	0	0	0	316531
1'-8" STAIR BARRIER WELDMENT LEFT	0	1	0	0	0	317147
1'-8" STAIR BARRIER WELDMENT RIGHT	0	1	0	0	0	317149
1'-8" STAIR PANEL	0	2	0	0	0	317151
2'-4" RISE STAIRS	0	0	1	0	0	316545
2'-4" STAIR BARRIER WELDMENT LEFT	0	0	1	0	0	317153
2'-4" STAIR BARRIER WELDMENT RIGHT	0	0	1	0	0	317155
2'-4" STAIR INLAY	0	0	2	0	0	317157
3'-0" RISE STAIRS	0	0	0	1	0	316559
3'-0" STAIR BARRIER WELDMENT LEFT	0	0	0	1	0	317159
3'-0" STAIR BARRIER WELDMENT RIGHT	0	0	0	1	0	317161
3'-0" STAIR PANEL BOTTOM	0	0	0	2	0	317163
3'-0" STAIR PANEL TOP	0	0	0	2	0	317165
3'-8" RISE STAIRS	0	0	0	0	1	316516
3'-8" STAIR BARRIER WELDMENT LEFT	0	0	0	0	1	317167
3'-8" STAIR BARRIER WELDMENT RIGHT	0	0	0	0	1	317169
3'-8" STAIR PANEL BOTTOM	0	0	0	0	2	317171
3'-8" STAIR PANEL TOP	0	0	0	0	2	317173
HARDWARE COMPLETE	1	0	0	0	0	317065
HARDWARE COMPLETE	0	1	1	0	0	317081
HARDWARE COMPLETE	0	0	0	1	1	317090
1/4" x 3/4" SET SCREW	8	8	8	8	8	811545
5/16" x 3/4" P.B.H.C.S. w/PATCH	12	20	20	40	40	812040
5/16" LOCK WASHER	12	20	20	40	40	817330
5/16" FLAT WASHER (11/16" O.D.)	24	40	40	80	80	817406
5/16" NYLON INSERT LOCKNUT	12	20	20	40	40	804352
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" LOCK WASHER	4	4	4	4	4	817334
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" BARREL NUT	4	4	4	4	4	804804
3/8" LOCK NUT	8	8	8	8	8	804353

72179 LOOKOUT STAIRS (1'-0"); 72180 (1'-8"); 72181 (2'-4"); 72182 (3'-0"); 72183 (3'-8")

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 Lookout Stairs. Refer to order Top View.
2. With sufficient manpower, lift the stair and fasten to the decks. 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. See Detail 448.
4. Attach Stair Panels to Stair Barrier Weldments. See Detail 1248.
5. Attach Barriers to Pipe Adapters. See Detail 448.
6. Attach the bottom tab of the Barriers to the decks. See Detail 449.
7. Using Detail 448, attach the Pipe Adapters to the Ring Clamps with 1/4" Set Screws.
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 for at least 48 hours before use.

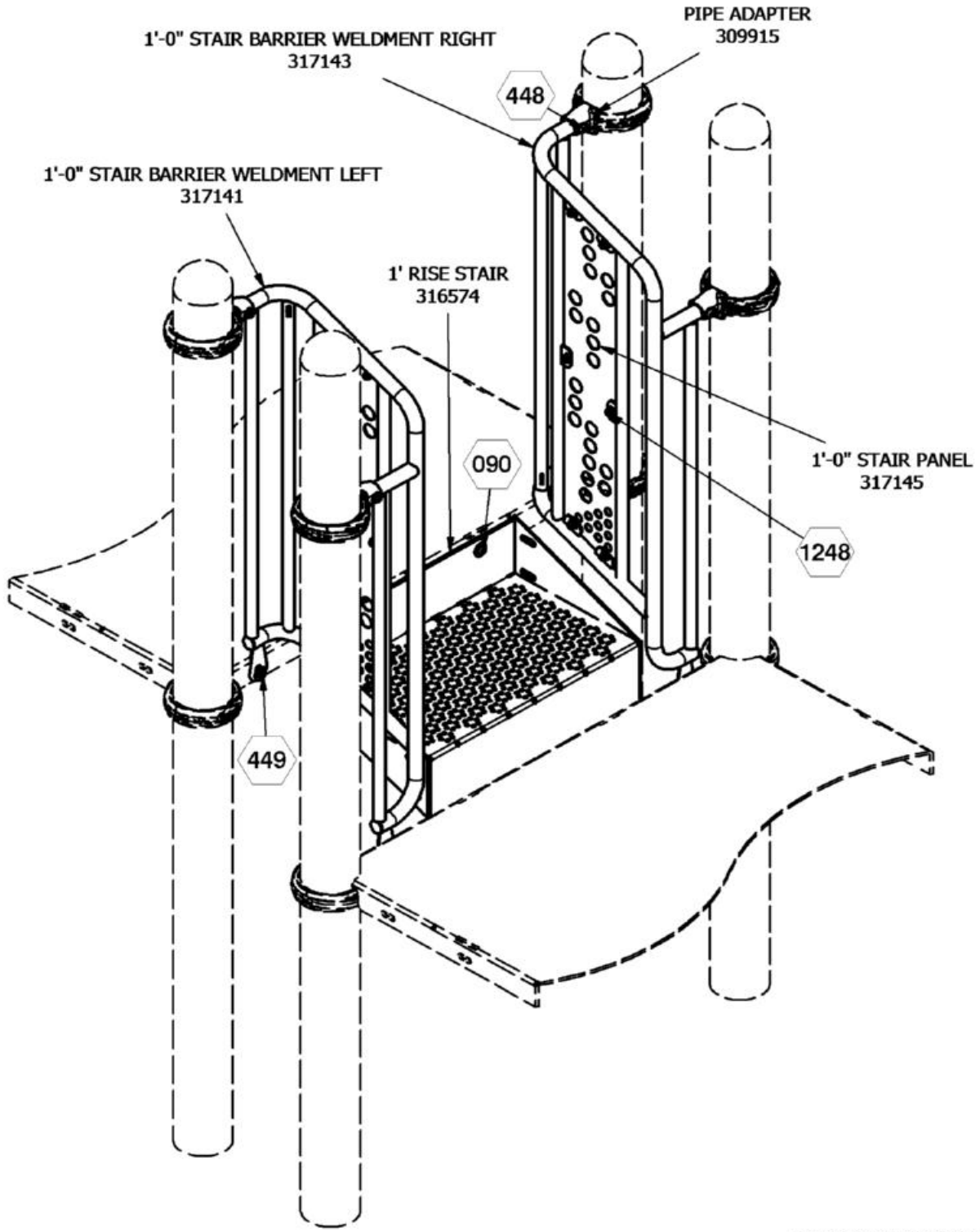
IMPORTANT! Avoid creating any gaps between the components which fall between 3 1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.

9. 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. 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.

72179 LOOKOUT STAIRS (1'-0")



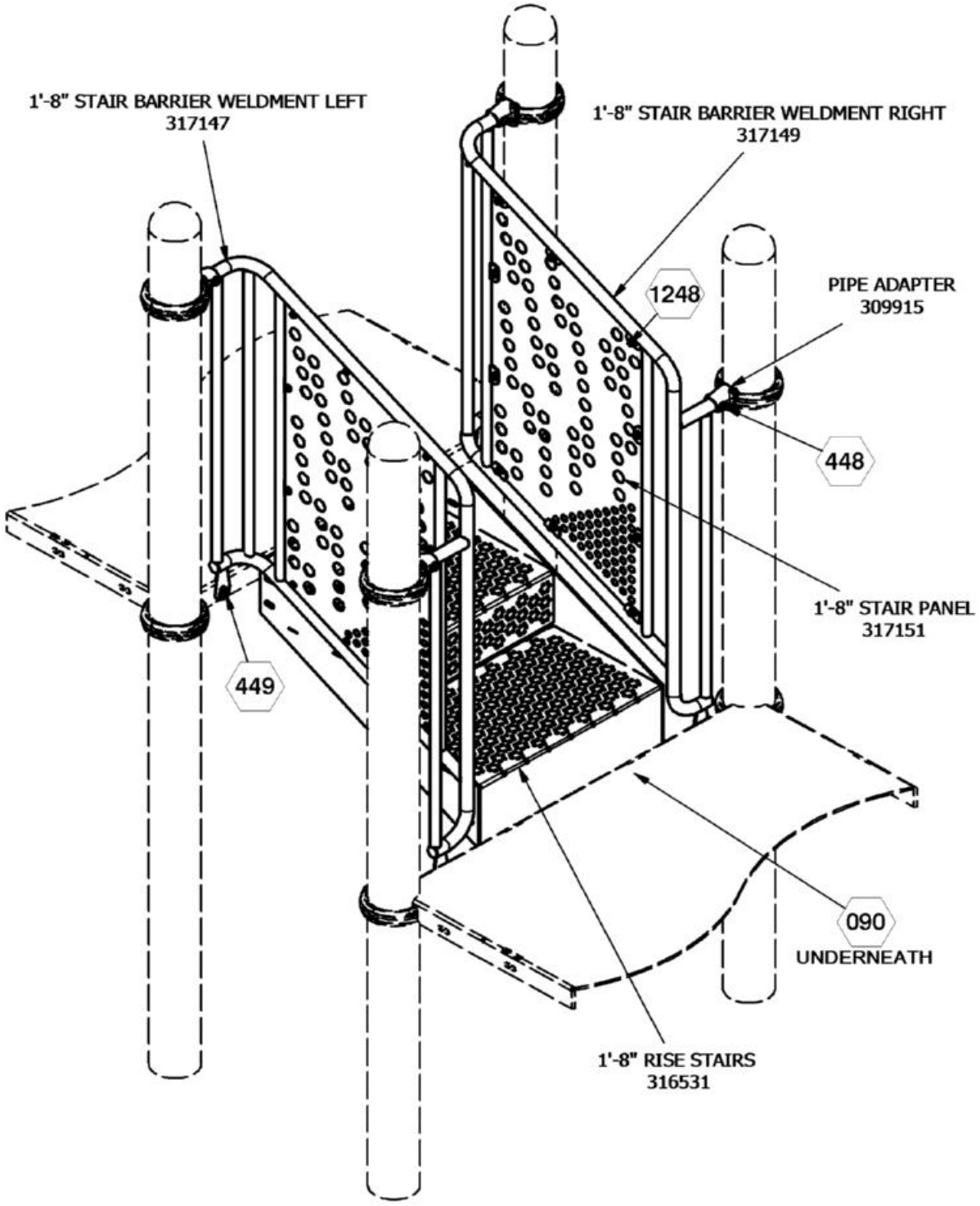
= INSTALLATION DETAIL

FINISHED ASSEMBLY

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 8/13/2024

72180 LOOKOUT STAIRS (1'-8")



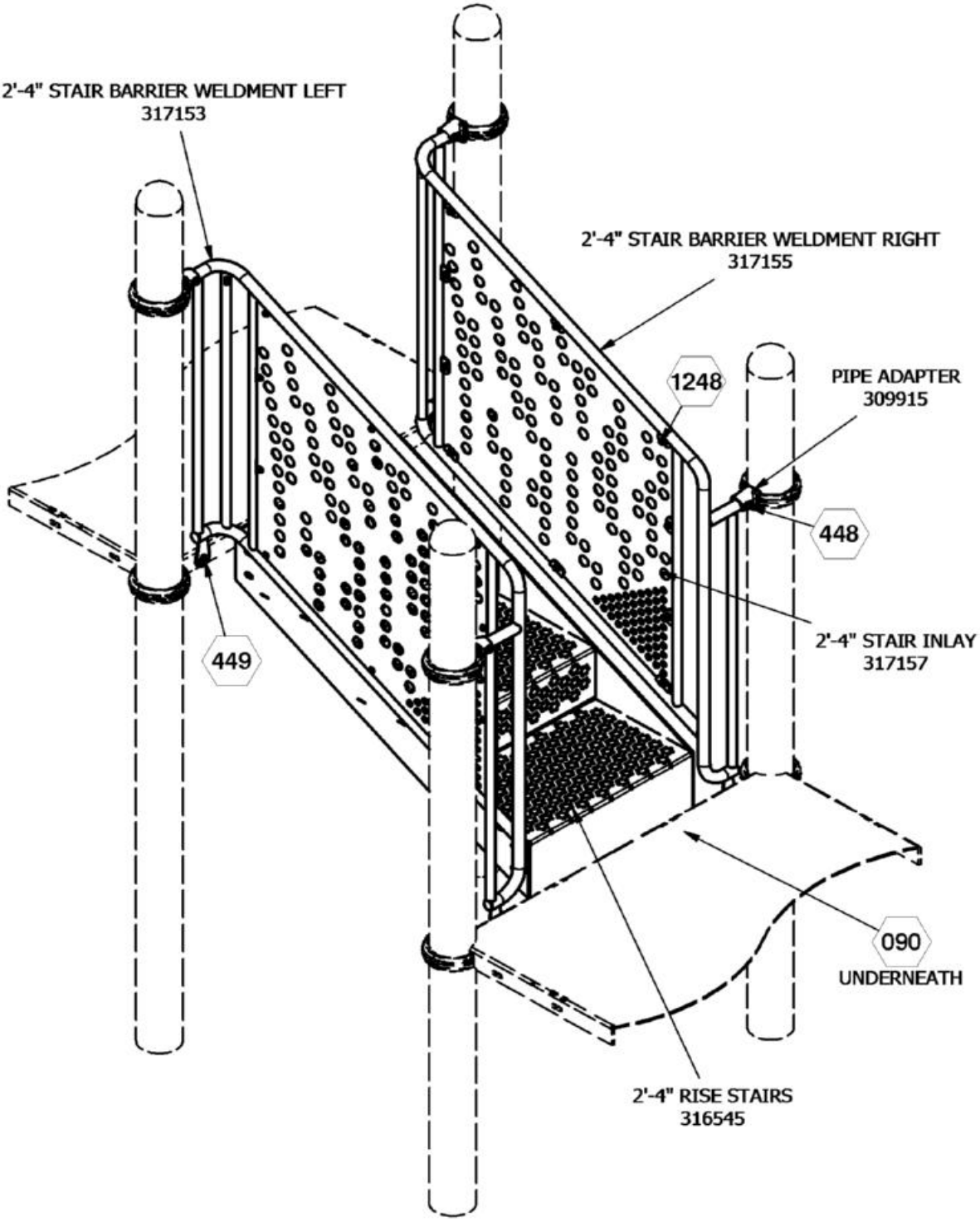
⬡ = INSTALLATION DETAIL

Issued/Revised: 8/13/2024

FINISHED ASSEMBLY

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

72181 LOOKOUT STAIRS (2'-4")



⬡ = INSTALLATION DETAIL

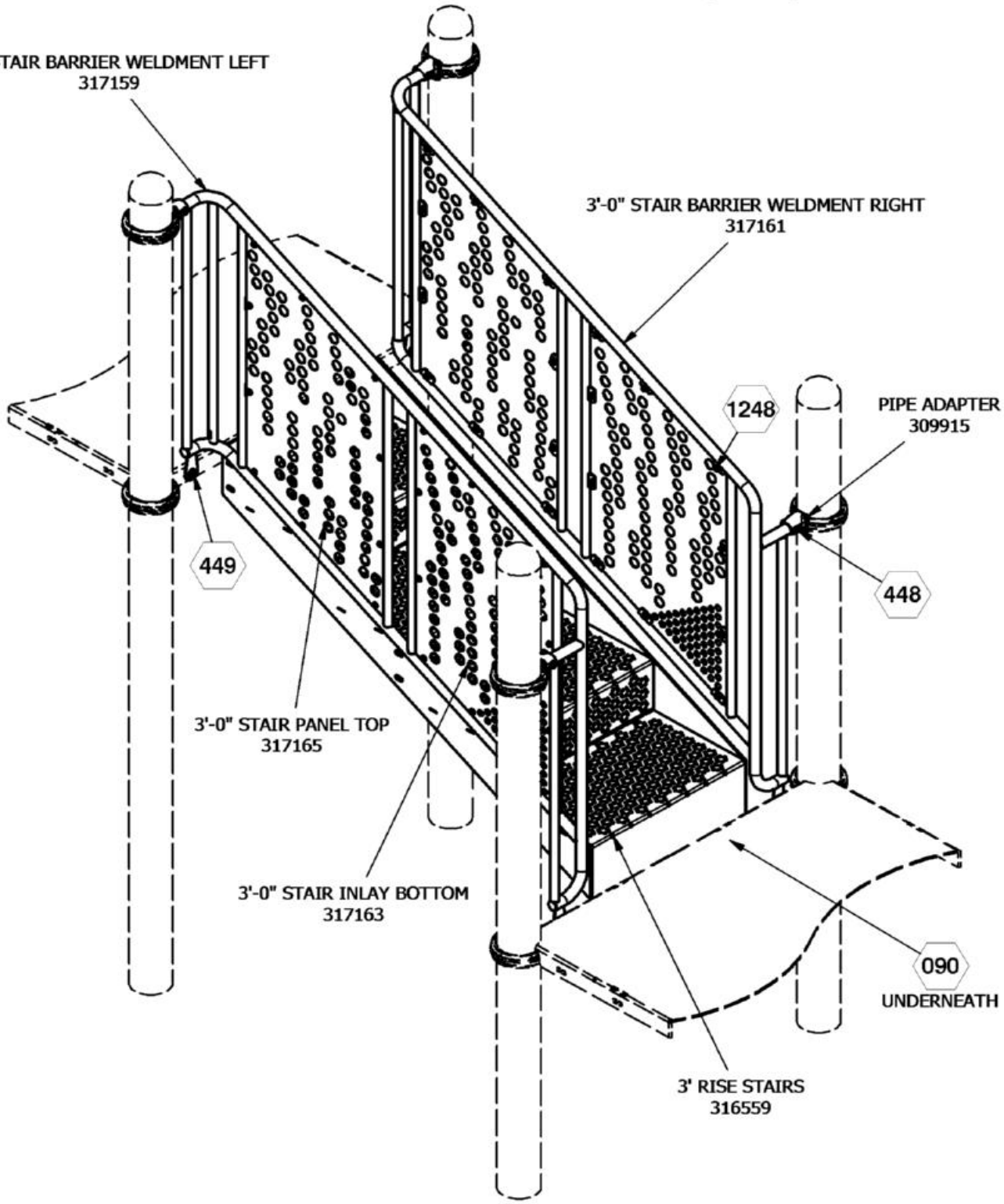
Issued/Revised: 8/13/2024

FINISHED ASSEMBLY

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

72182 LOOKOUT STAIRS (3'-0")



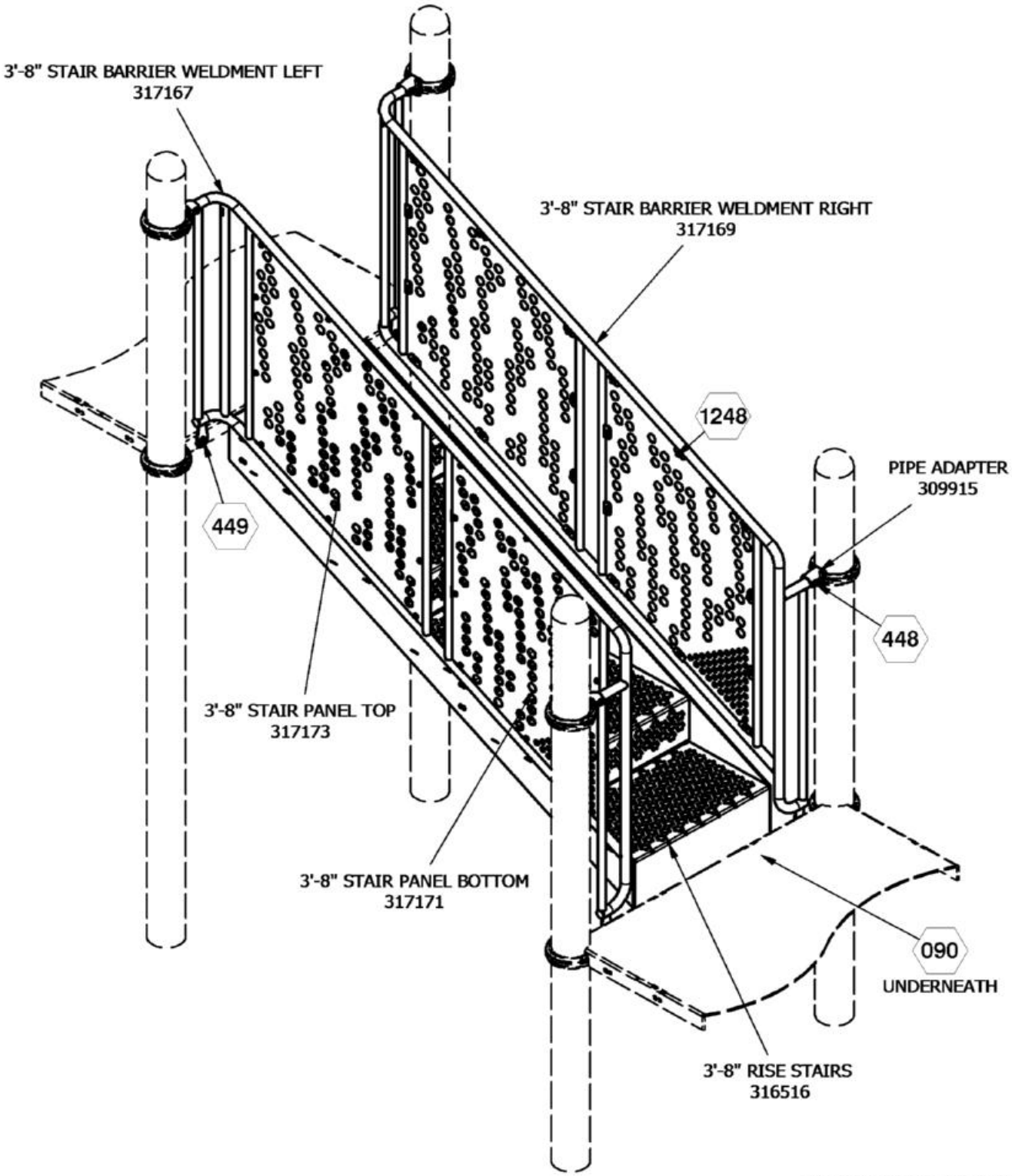
⬡ = INSTALLATION DETAIL

FINISHED ASSEMBLY

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 8/13/2024

72183 LOOKOUT STAIRS (3'-8")



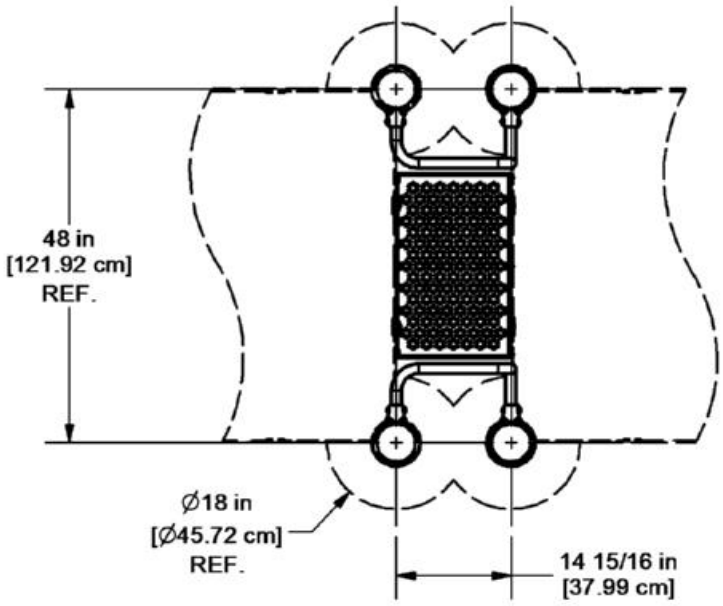
= INSTALLATION DETAIL

FINISHED ASSEMBLY

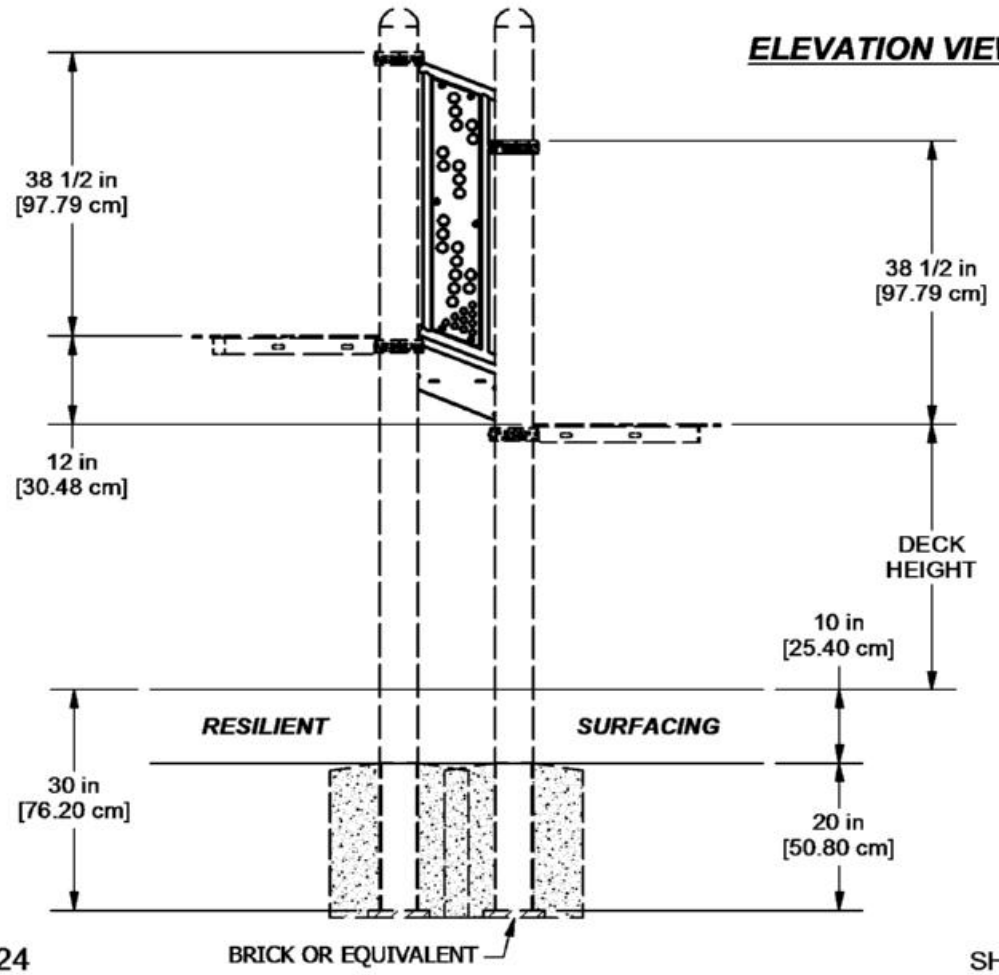
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 8/13/2024

72179 LOOKOUT STAIRS (1'-0")

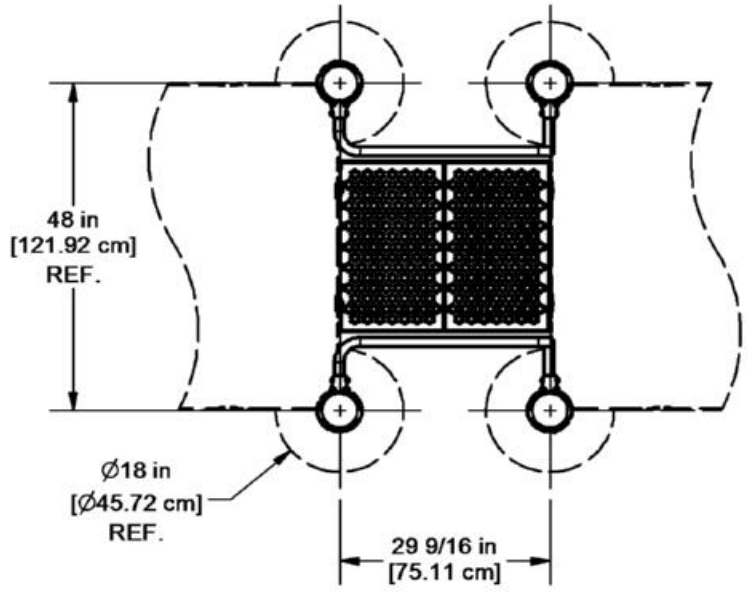


PLAN VIEW



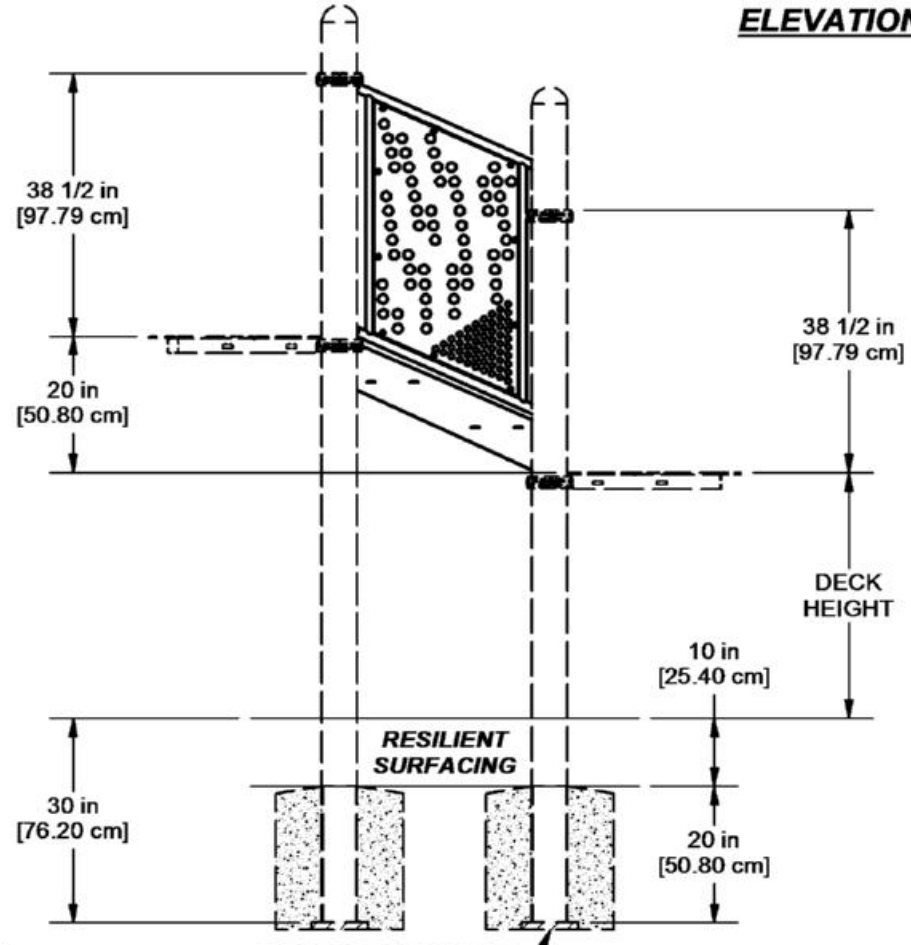
ELEVATION VIEW

72180 LOOKOUT STAIRS (1'-8")

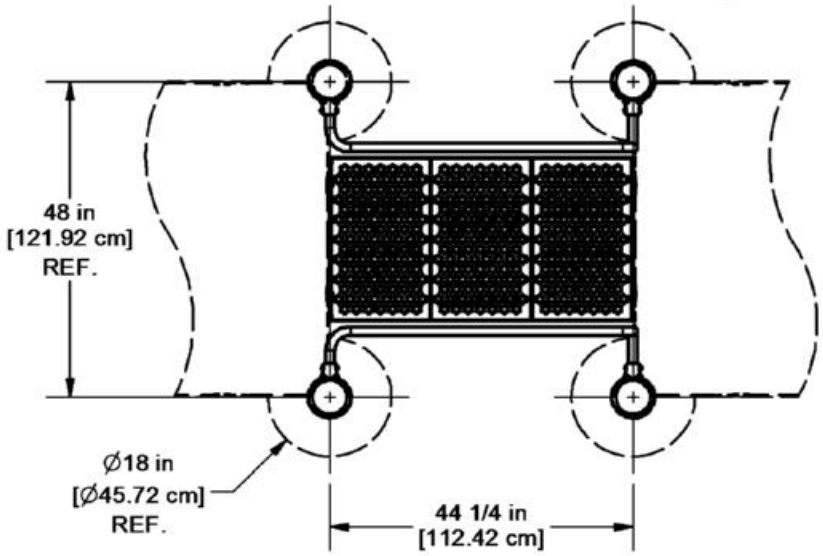


PLAN VIEW

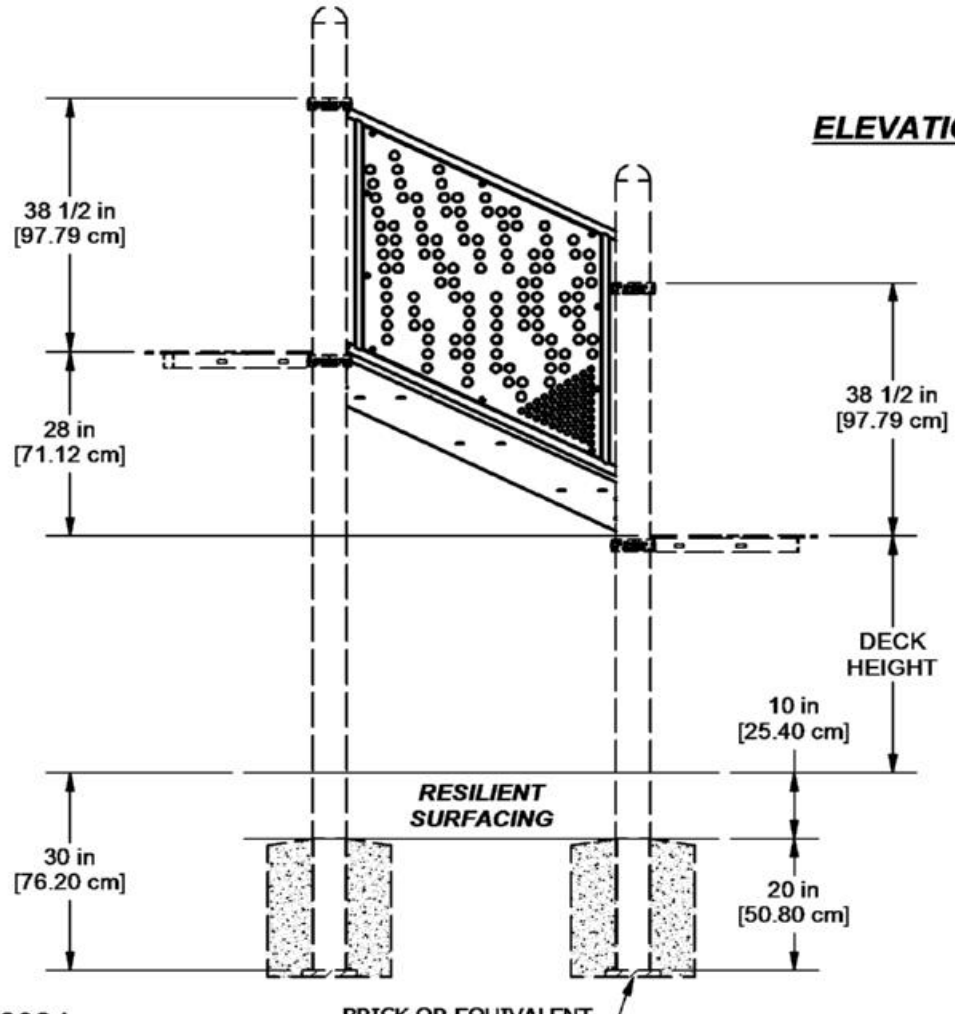
ELEVATION VIEW



72181 LOOKOUT STAIRS (2'-4")

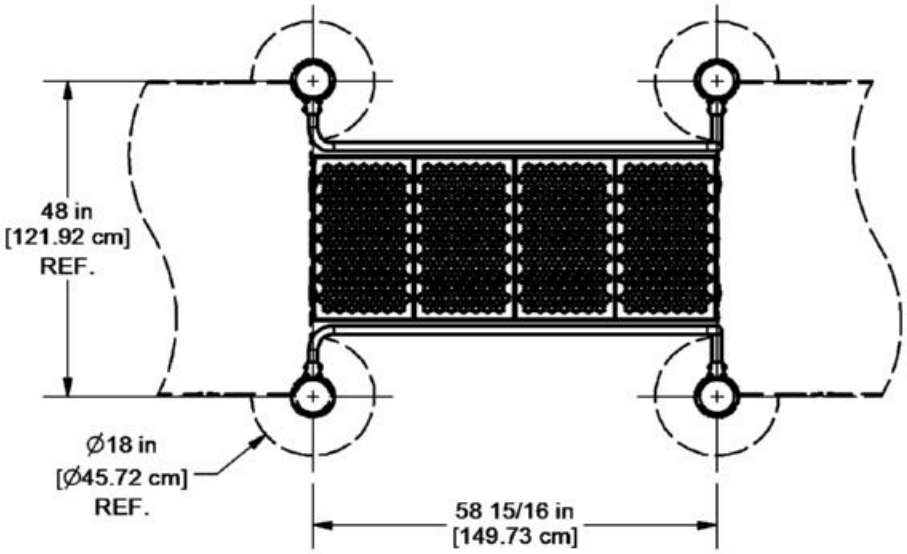


PLAN VIEW

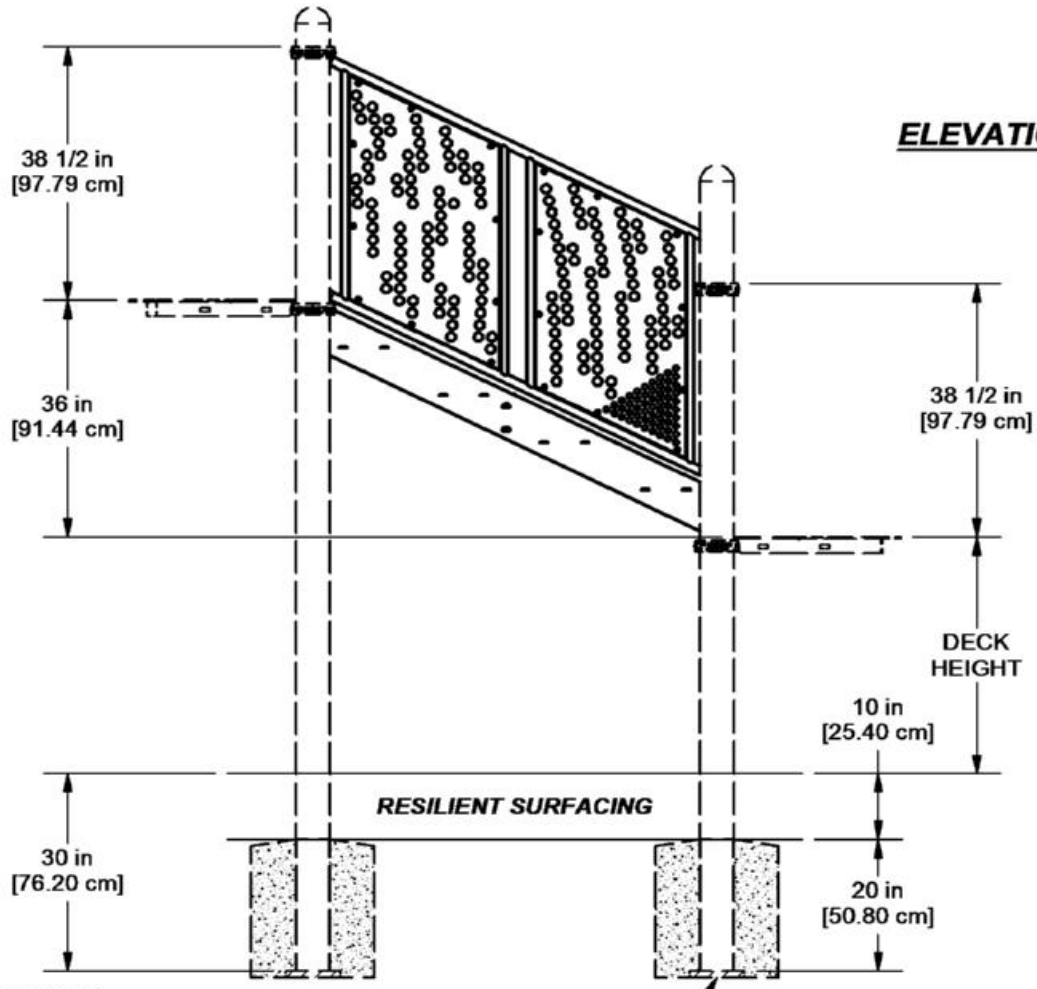


ELEVATION VIEW

72182 LOOKOUT STAIRS (3'-0")

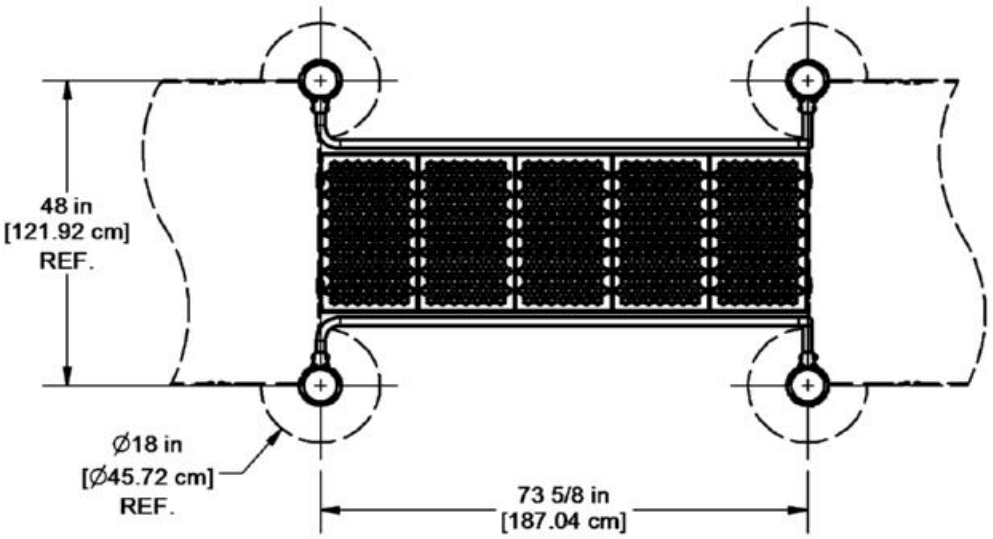


PLAN VIEW

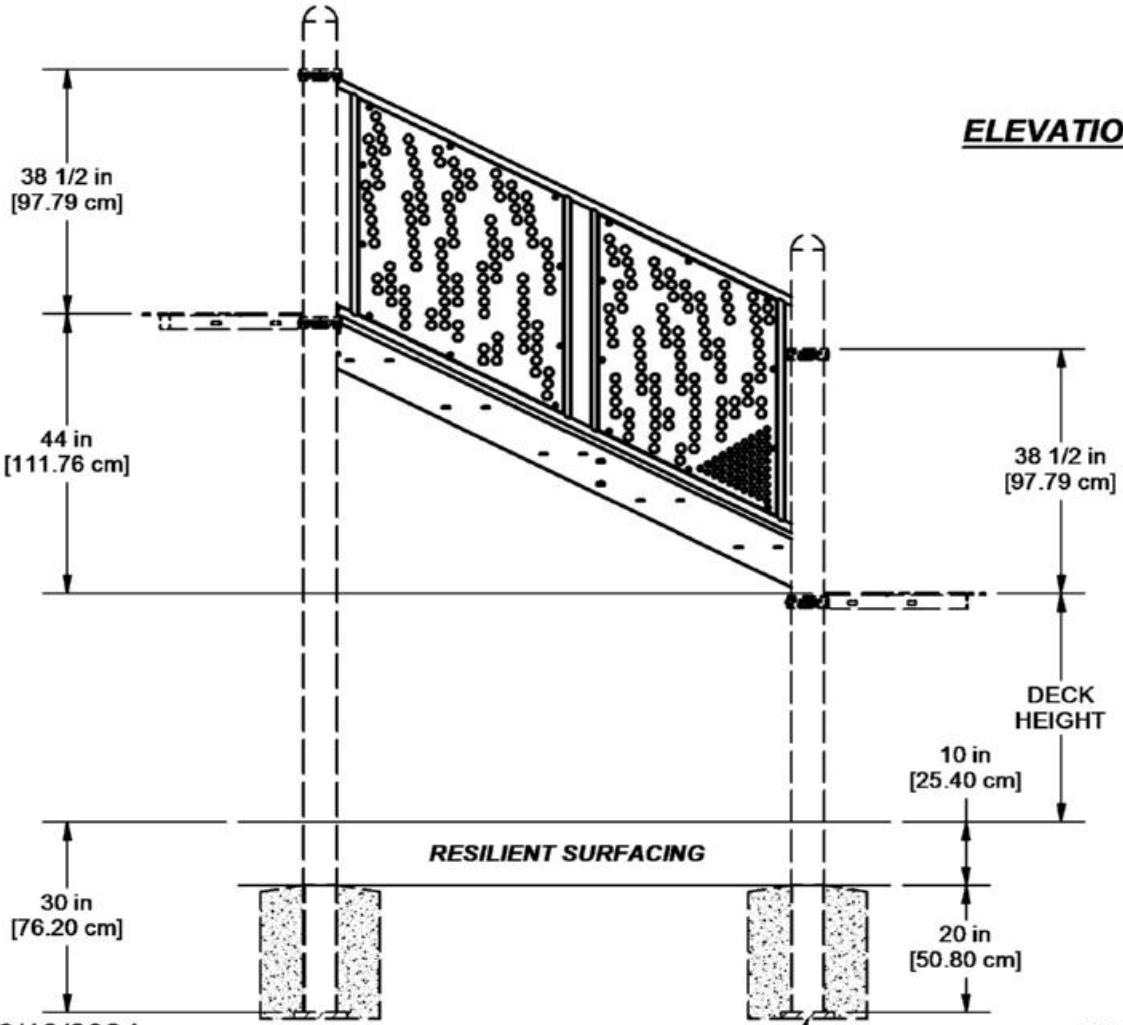


ELEVATION VIEW

72183 LOOKOUT STAIRS (3'-8")

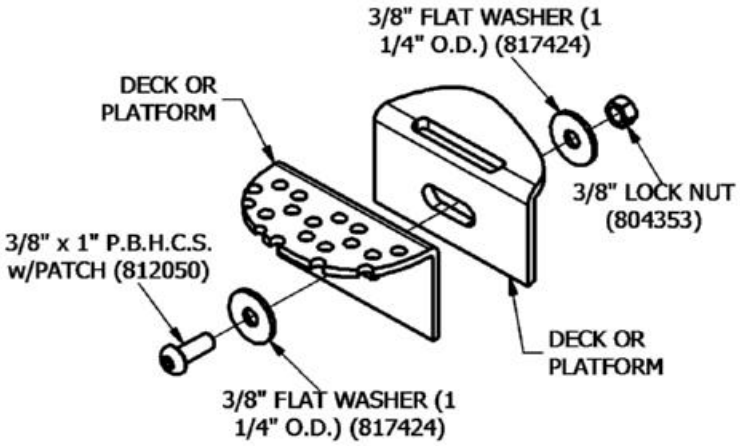


PLAN VIEW



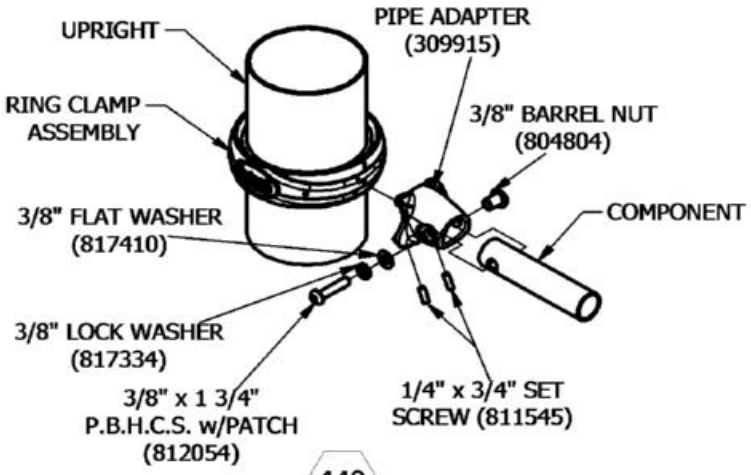
ELEVATION VIEW

72179 LOOKOUT STAIRS (1'-0"); 72180 (1'-8"); 72181 (2'-4"); 72182 (3'-0"); 72183 (3'-8")

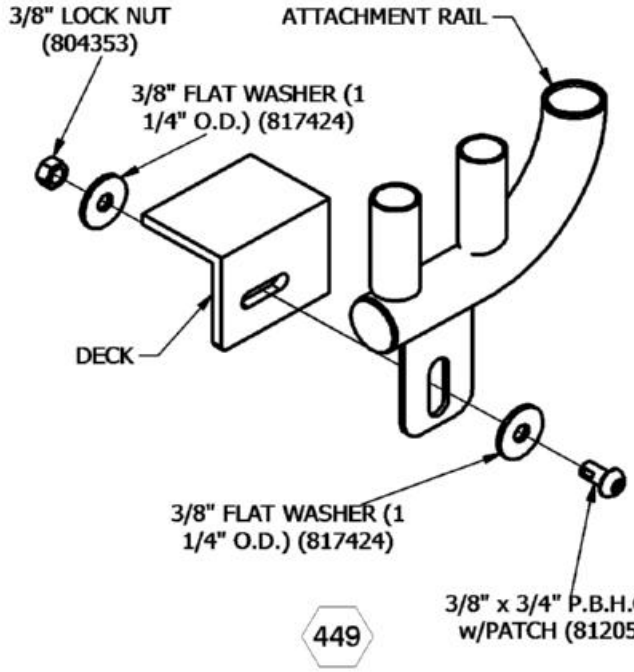


090

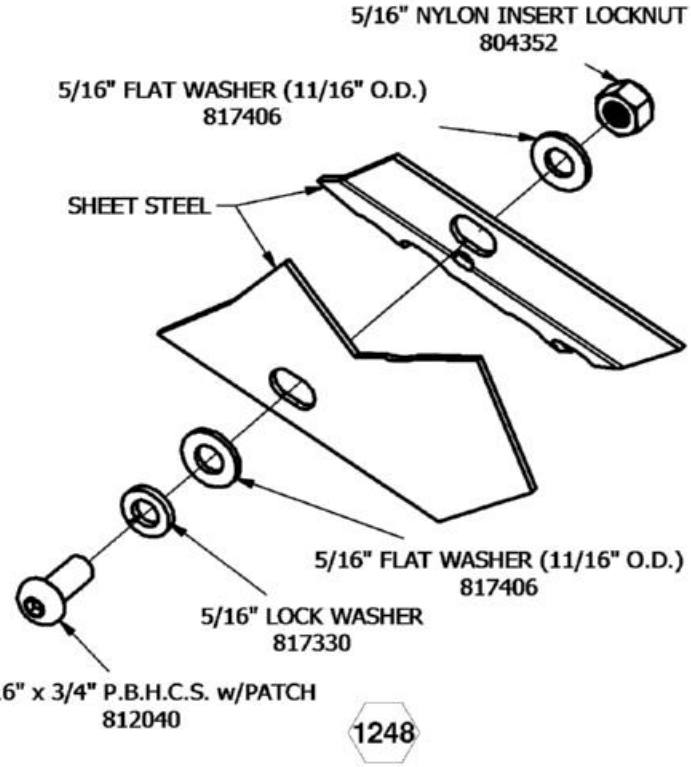
NOTE: PIPE ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS



448



449



1248

72191 COWABUNGA CLIMBER LARGE

Parts List		
DESCRIPTION	QTY	PART NUMBER
COATED COWABUNGA PANEL A	1	317100
SMASHED FOOTBUCK A	2	317114
COATED COWABUNGA PANEL B	1	317118
SMASHED FOOTBUCK C	2	317124
COATED COWABUNGA PANEL C	1	317129
COWABUNGA FRAME C WELDMENT	1	317131
SMASHED FOOTBUCK B	2	317134
COWABUNGA SM MOUNTING BRACKET	1	317486
HARDWARE COMPLETE	1	317138
3/8" x 3/4" P.B.H.C.S. w/PATCH	6	812052
3/8" x 1" P.B.H.C.S. w/PATCH	24	812050
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	6	812051
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	30	812053
3/8" LOCK WASHER	38	817334
3/8" FLAT WASHER	32	817410
3/8" FLAT WASHER (1 1/4" O.D.)	62	817424
3/8" T-NUT	36	804556
3/8" HEX NUT	28	804053
CLIMBER HANDHOLD	6	317108
CLIMBER HANDHOLD	6	317109
CLIMBER HANDHOLD	3	317110

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 Cowabunga Climber. Refer to order Top View.
2. Attach Mounting Bracket and entrance and deck. See Details 1331 & 1361.
3. Attach the Funformz to the Coated Cowabunga Panels A. B and C. See Detail 1289. Refer to Funformz Placement View on Page 4.
4. Attach assembled Cowabunga Panels to Cowbunga Frame C Weldment. See Detail 1290.
5. Attach Smashed Footbucks A, B and C to assembled Cowabunga Climber frame, and place footbucks into footing holes. See Detail 1291.
6. Attach Cowabunga Climber frame to Mounting Bracket. See Detail 799.
7. 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.

72191 COWABUNGA CLIMBER LARGE

8. After the entire unit is assembled, pour concrete footing with 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.

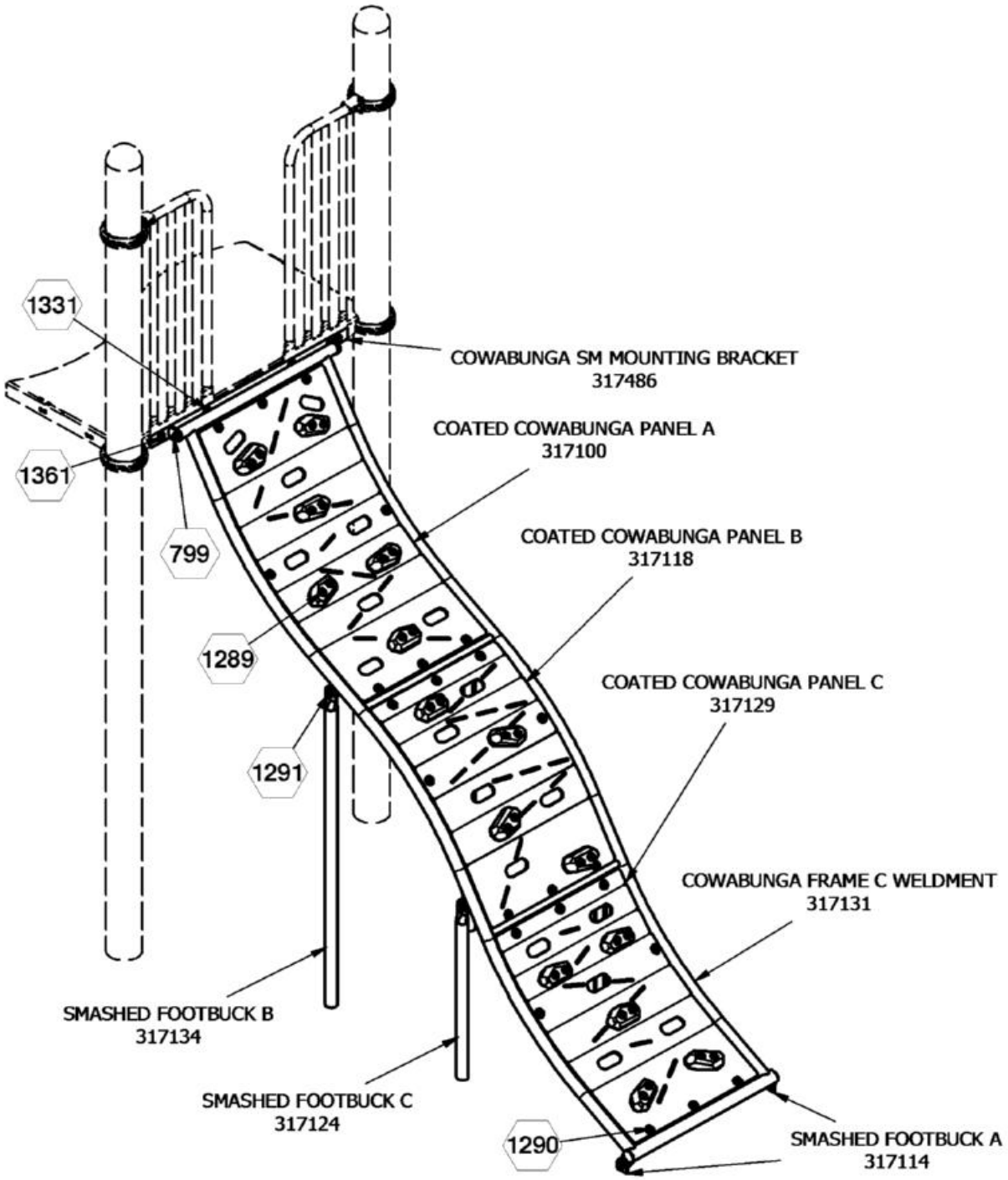
9. When the stucture is finished and satisfactory, tighten all fasteners and install Drive Rivets in all the clamps to ensure clamps cannot slide down posts. ***See Pipe Clamp sub-assembly sheet. It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are 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 the play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the Safety Guidlines.

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

72191 COWABUNGA CLIMBER LARGE



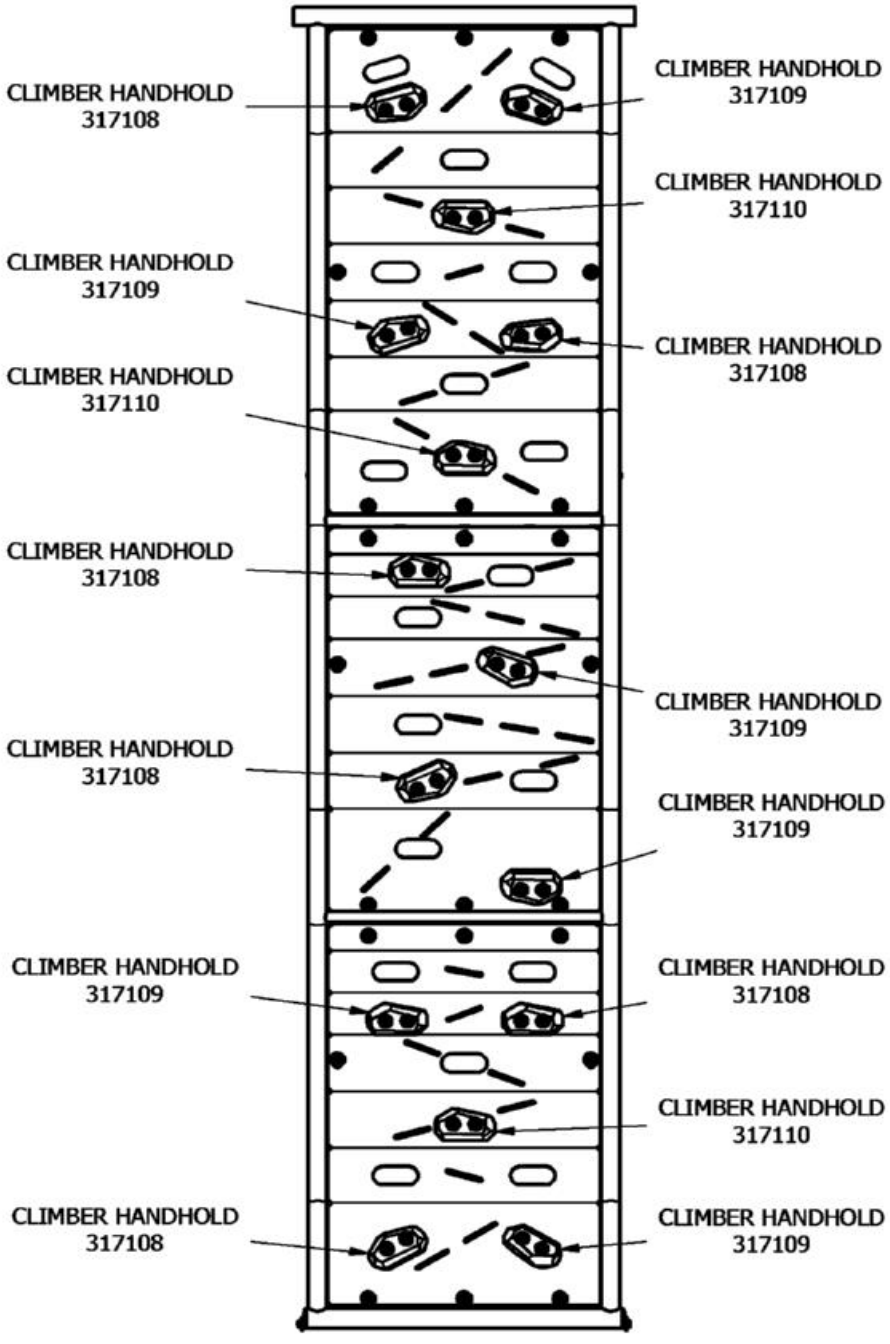
= INSTALLATION DETAIL

Issued/Revised: 11/18/2024

FINISHED ASSEMBLY
7'-4" SHOWN

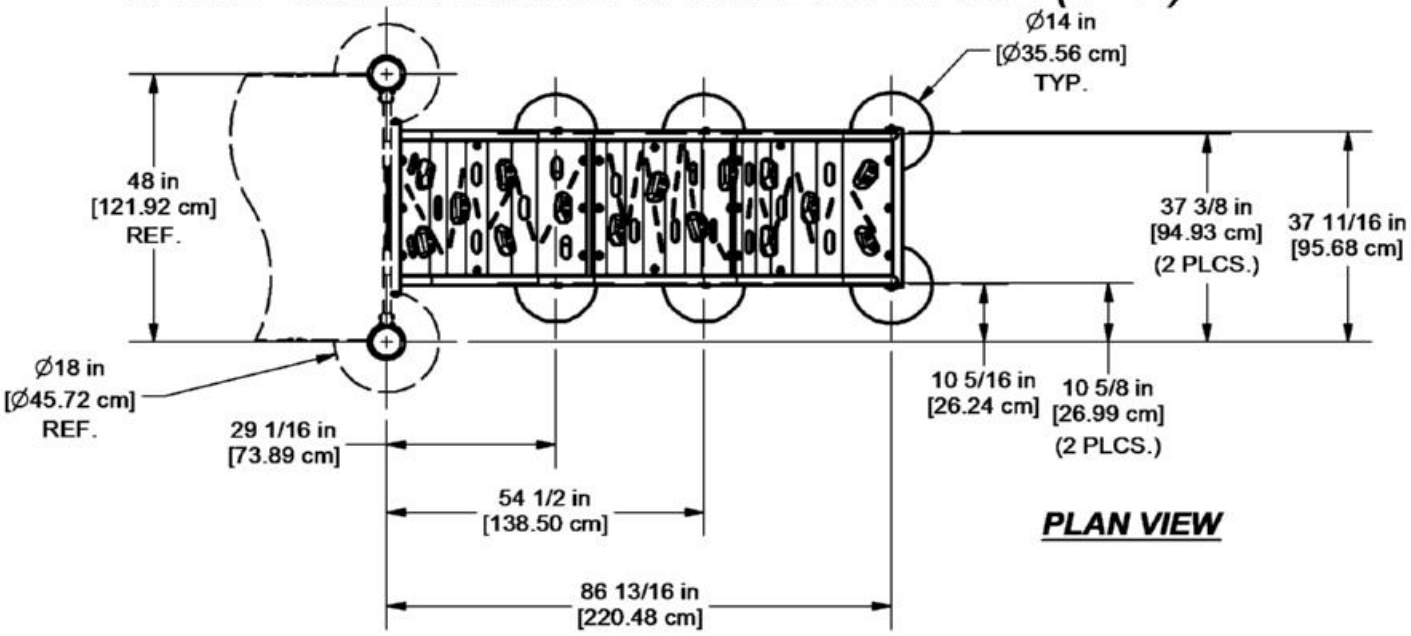
COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

72191 COWABUNGA CLIMBER LARGE



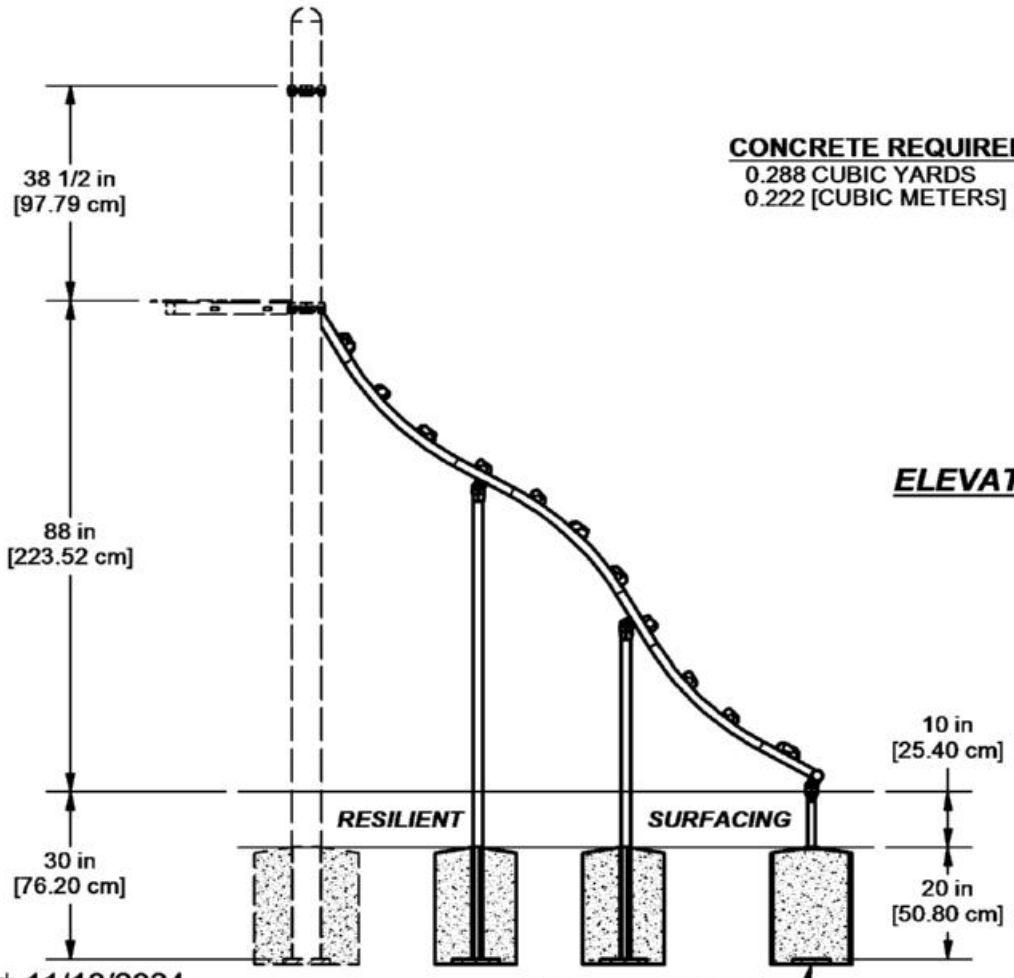
FUNFORMZ PLACEMENT VIEW

72191 COWABUNGA CLIMBER LARGE (7'-4")



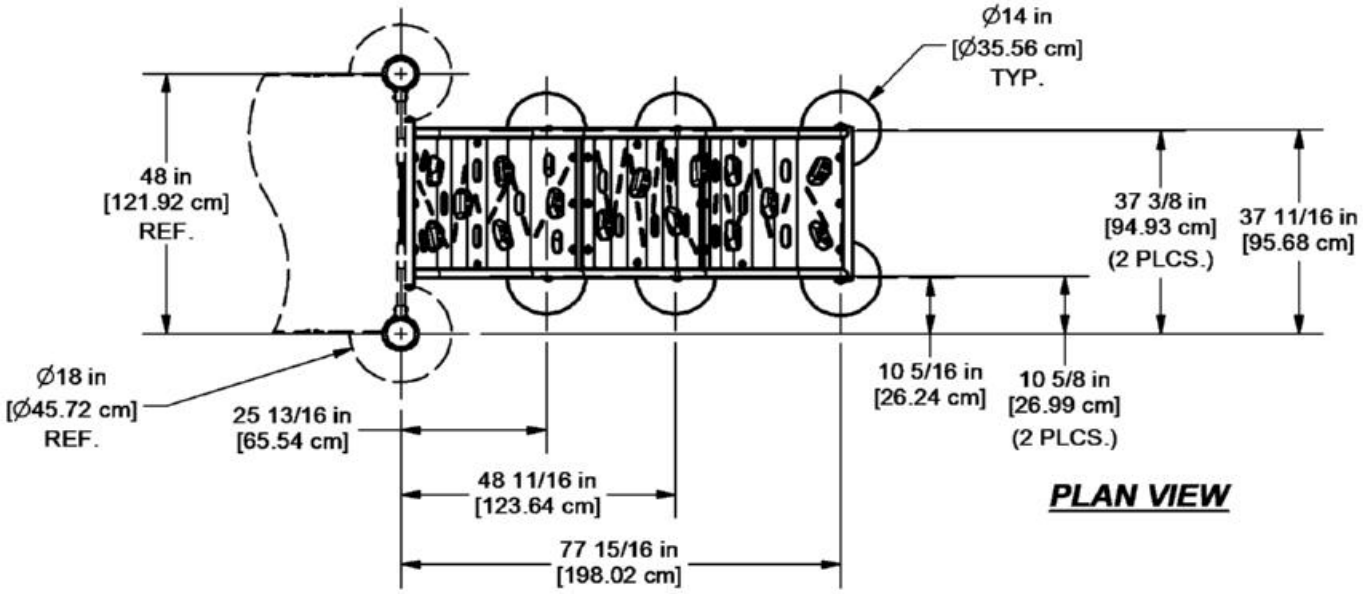
PLAN VIEW

CONCRETE REQUIRED
0.288 CUBIC YARDS
0.222 [CUBIC METERS]

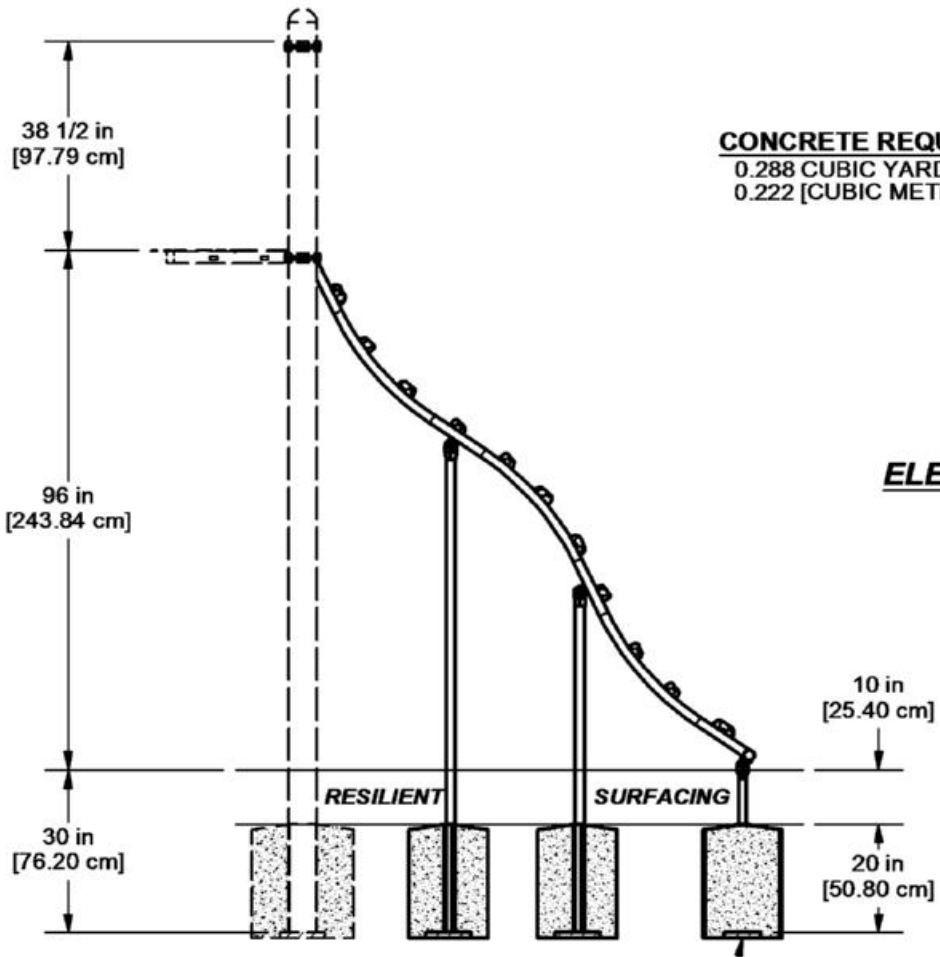


ELEVATION VIEW

72191 COWABUNGA CLIMBER LARGE (8'-0")



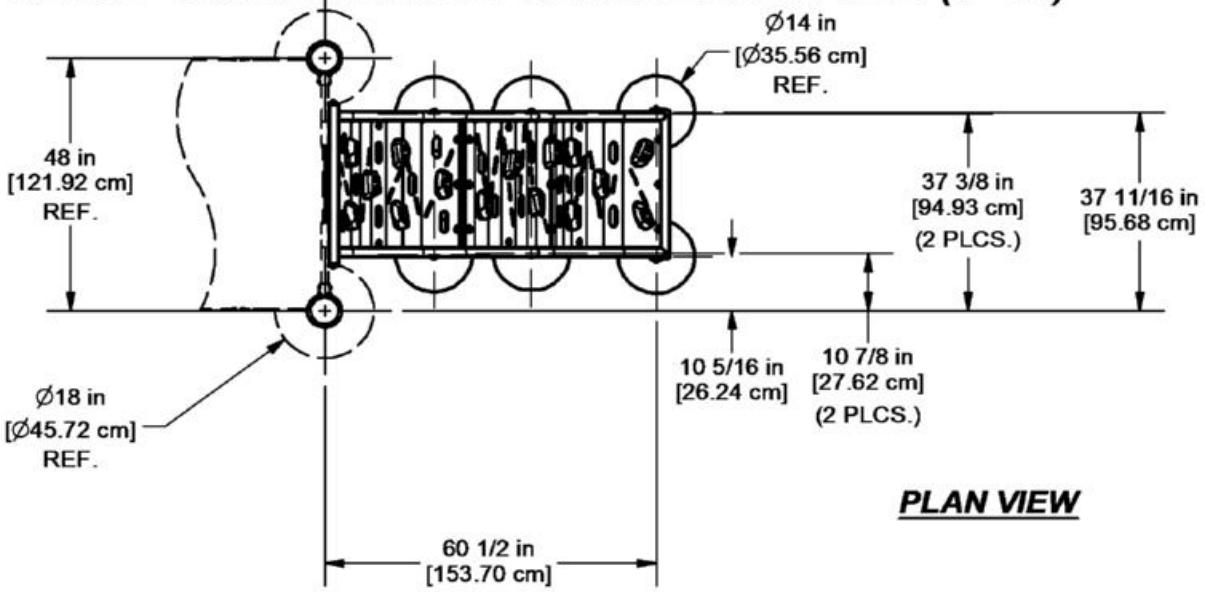
PLAN VIEW



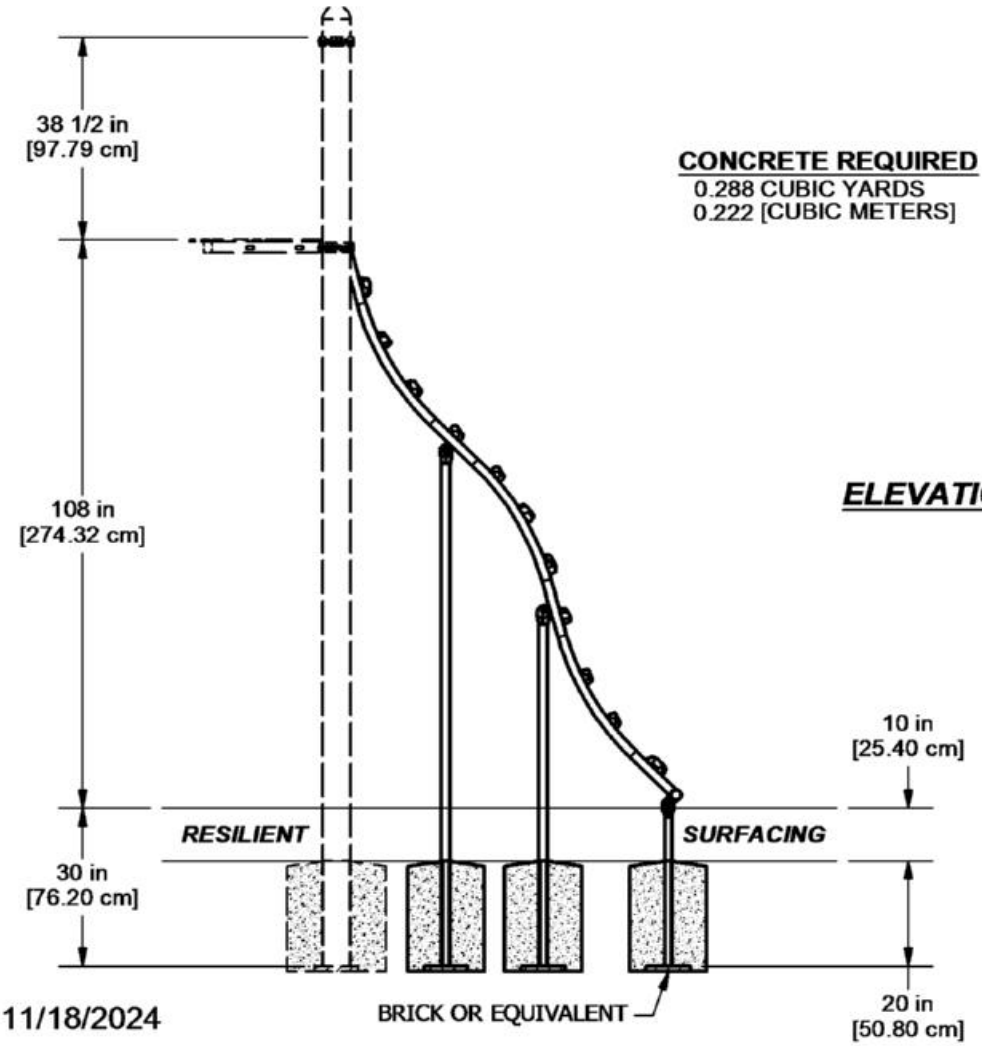
CONCRETE REQUIRED
0.288 CUBIC YARDS
0.222 [CUBIC METERS]

ELEVATION VIEW

72191 COWABUNGA CLIMBER LARGE (9'-0")



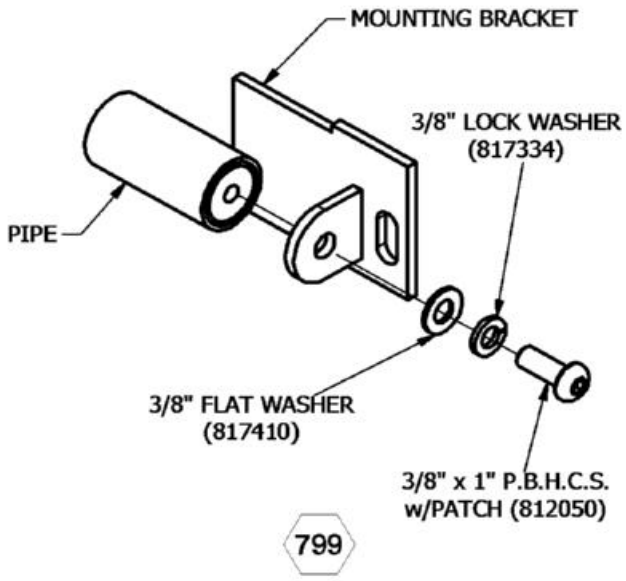
PLAN VIEW

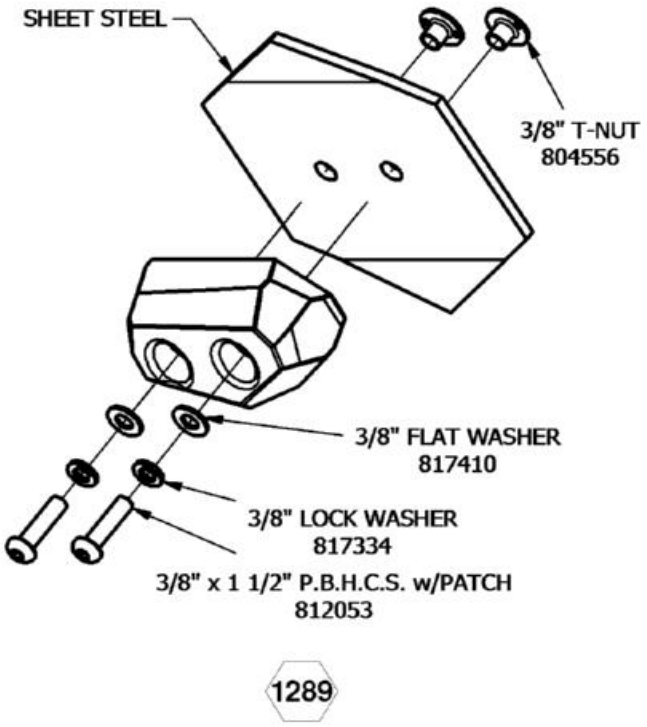


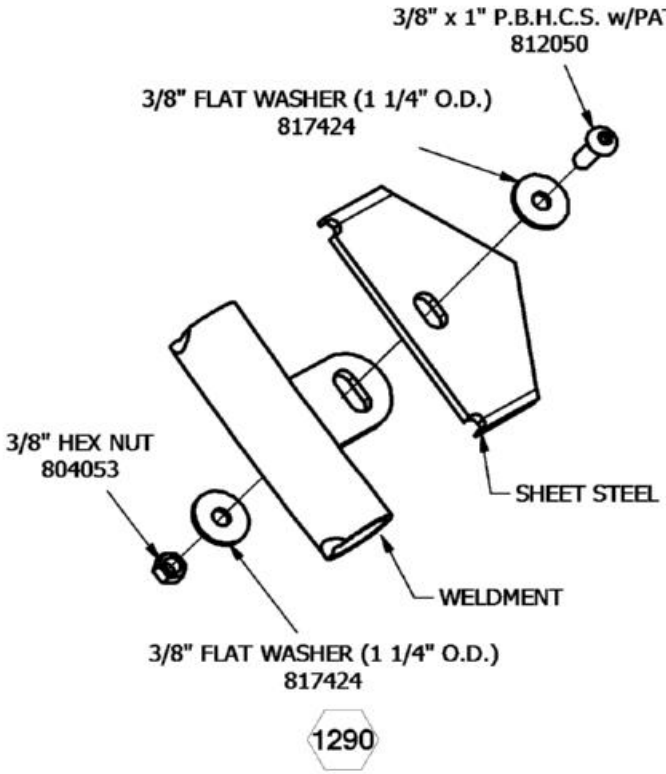
CONCRETE REQUIRED
0.288 CUBIC YARDS
0.222 [CUBIC METERS]

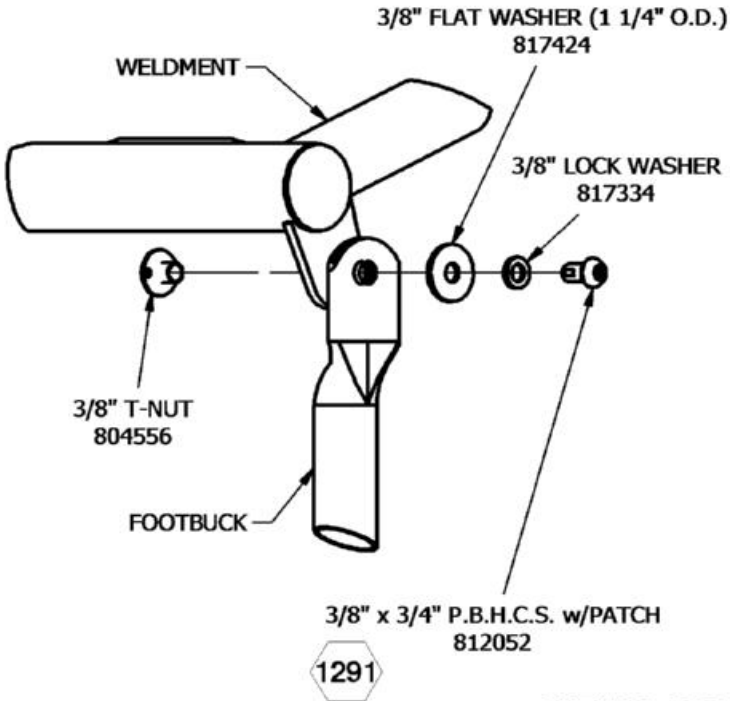
ELEVATION VIEW

72191 COWABUNGA CLIMBER LARGE

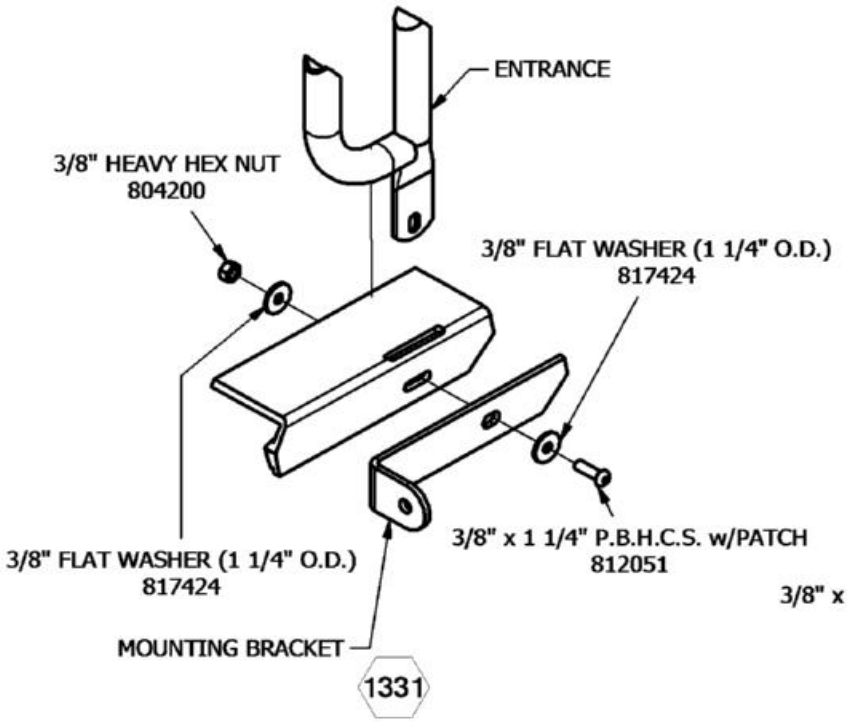


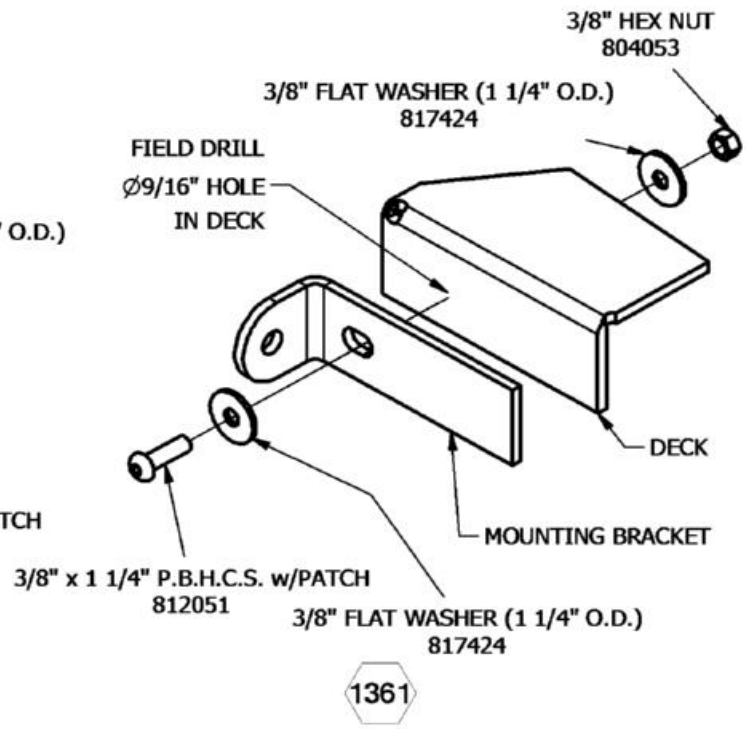






72191 COWABUNGA CLIMBER LARGE





SuperMax Play Systems

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

72201 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK A
72230 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK B
72231 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK C
72232 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK D

Parts List					
DESCRIPTION	72201	72230	72231	72232	PART NUMBER
HOURGLASS SENSOR RAMP ASSEMBLY	0	1	0	0	7368
20" BELL SENSOR RAMP ASSEMBLY	1	0	0	0	7369
HYPNETIC SENSOR RAMP ASSEMBLY	0	0	1	0	7370
PIANO SENSOR RAMP ASSEMBLY	0	0	0	1	7371
12" BELL SENSOR RAMP ASSEMBLY	0	0	1	0	7372
TOPOGRAPHIC SENSOR RAMP ASSEMBLY	1	0	0	1	7373
HYPNO WHEEL SENSOR RAMP ASSEMBLY	0	1	0	1	7374
MIRROR BUBBLE SENSOR RAMP ASSEMBLY	1	1	1	1	7375
WINDOW PANEL SENSOR RAMP ASSEMBLY	1	1	1	1	7376
12" ROLLER BALLS SENSOR RAMP ASSEMBLY	0	0	1	0	7377
FINGER MAZE SENSOR RAMP ASSEMBLY	1	1	0	0	7378
HAND HOLD	1	1	1	1	176728
VERTICAL ADAPTER	2	2	2	2	309917
12' RAMP INLAY BARRIER WELDMENT	1	1	1	1	317259
12' SENSORY RAMP SIDE BOTTOM GROUND TO 1'	1	1	1	1	317289
12' SENSORY RAMP SIDE MID GROUND TO 1'	1	1	1	1	317291
12' SENSORY RAMP SIDE TOP GROUND TO 1'	1	1	1	1	317293
HARDWARE COMPLETE	1	1	1	1	317459
1/4" x 3/4" SET SCREW	4	4	4	4	811545
5/16" x 3/4" P.B.H.C.S. w/PATCH	42	42	42	42	812040
5/16" LOCK WASHER	42	42	42	42	817330
5/16" FLAT WASHER (11/16" O.D.)	84	84	84	84	817406
5/16" NYLON INSERT LOCKNUT	42	42	42	42	804352
3/8" x 1" P.B.H.C.S. w/PATCH	10	10	10	10	812050
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	812054
3/8" LOCK WASHER	12	12	12	12	817334
3/8" FLAT WASHER	10	10	10	10	817410
3/8" T-NUT	4	4	4	4	804556
3/8" ACORN NUT	8	8	8	8	804002
3/8" BARREL NUT	2	2	2	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.

72201 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK A
72230 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK B
72231 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK C
72232 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK D

INSTALLATION INSTRUCTIONS:

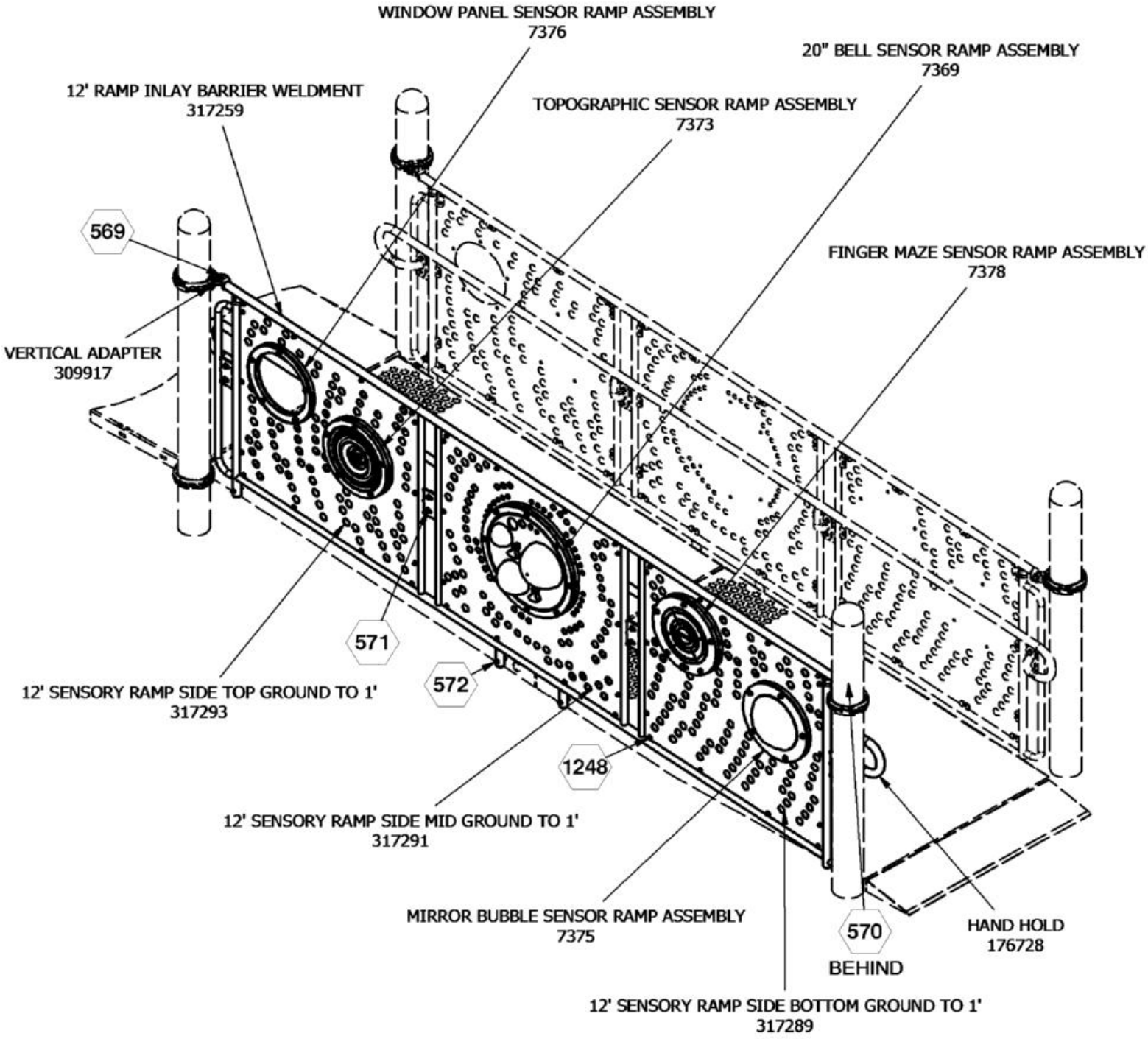
1. Determine which ramp barrier is to receive which ramp Sensor Package. Refer to order Top View.
2. Attach the Sensor Ramp Side Top, Middle and Bottom to the Inlay Barrier Weldment. See Detail 1248.
3. Attach top of the Barrier to the existing Ring Clamps using Vertical Adapters. See Details 569 & 570.
4. Attach the bottom of the Barrier to the side of the Ramp. See Detail 572.
5. Refer to specific installation sheets for all necessary installation steps for correct sensors.
6. Attach Hand Hold to the Barrier. See Detail 571.
7. 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:

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

72201 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK A



= INSTALLATION DETAIL

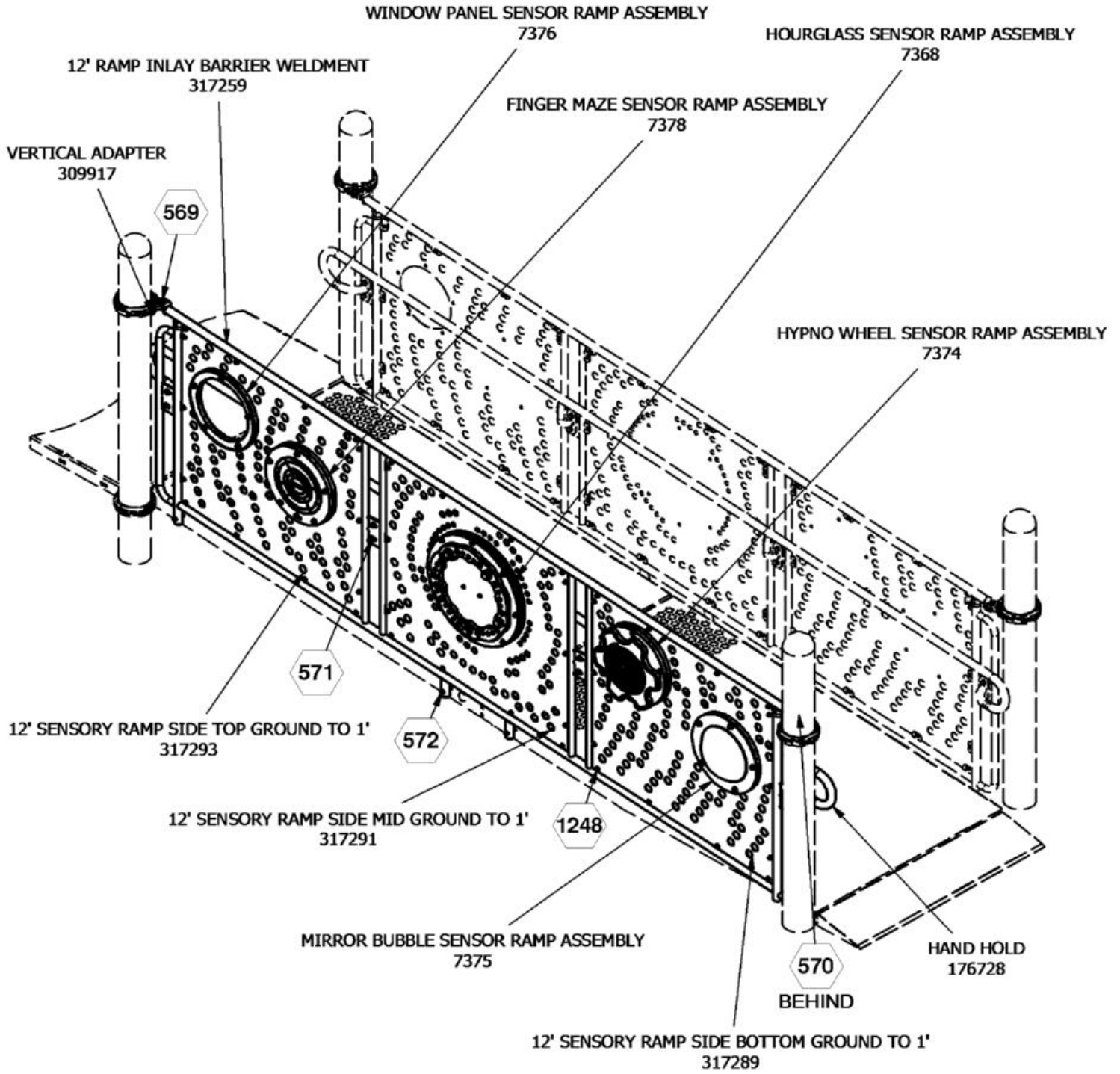
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

FINISHED ASSEMBLY

Issued/Revised: 12/11/2024

SuperMax Play Systems

72230 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK B



⬡ = INSTALLATION DETAIL

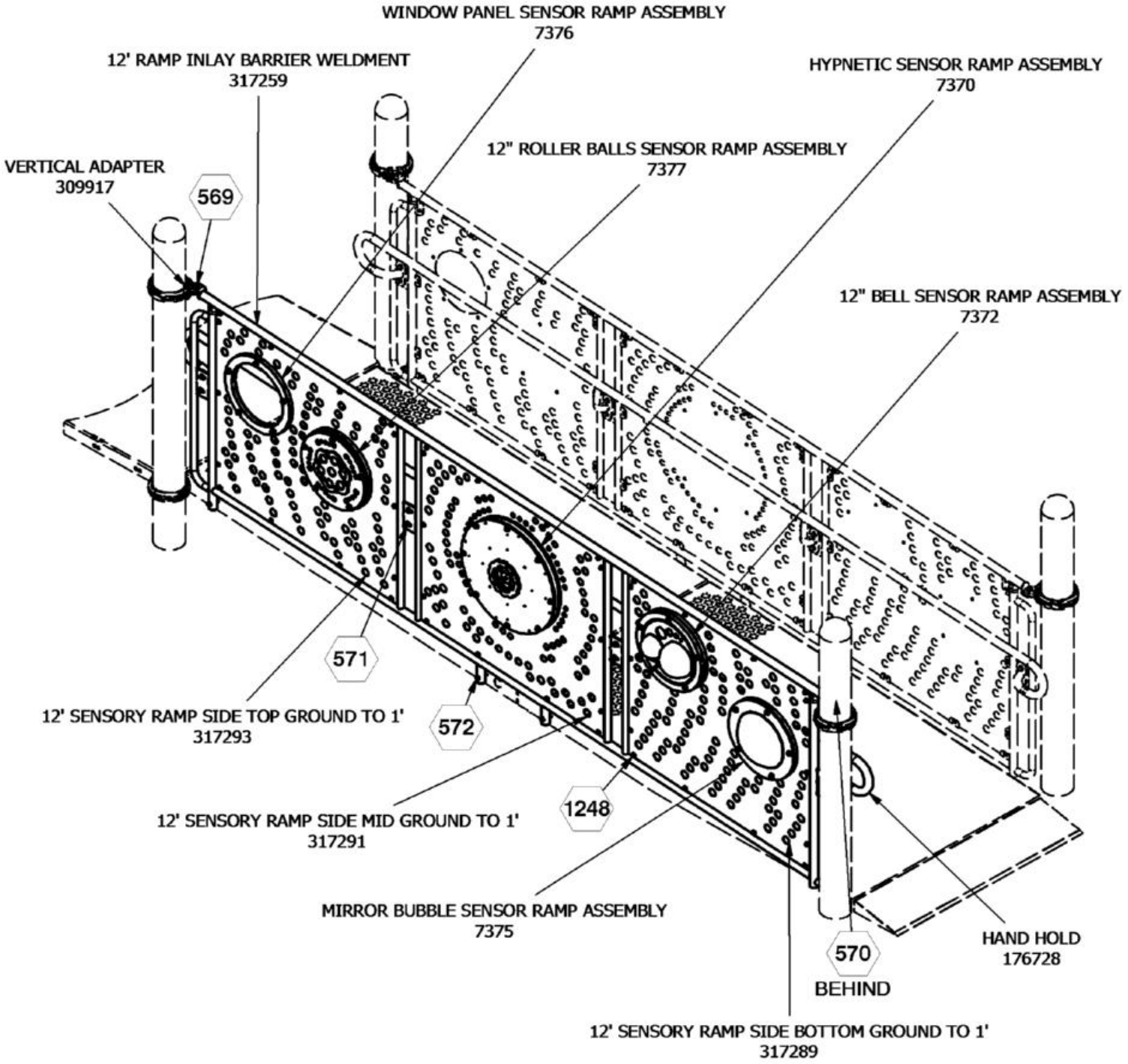
Issued/Revised: 12/11/2024

FINISHED ASSEMBLY

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

72231 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK C



⬡ = INSTALLATION DETAIL

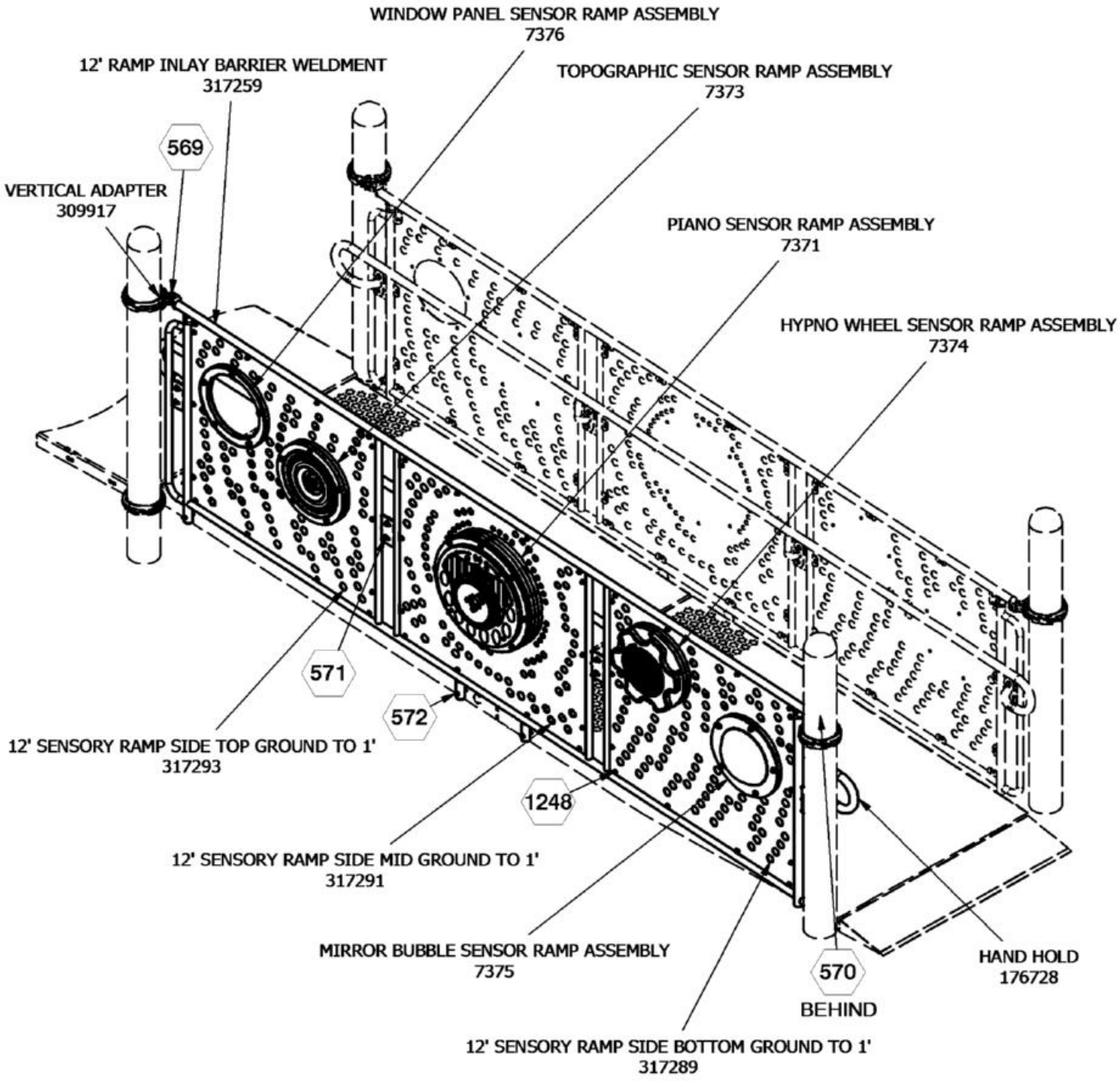
Issued/Revised: 12/11/2024

FINISHED ASSEMBLY

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

72232 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK D



= INSTALLATION DETAIL

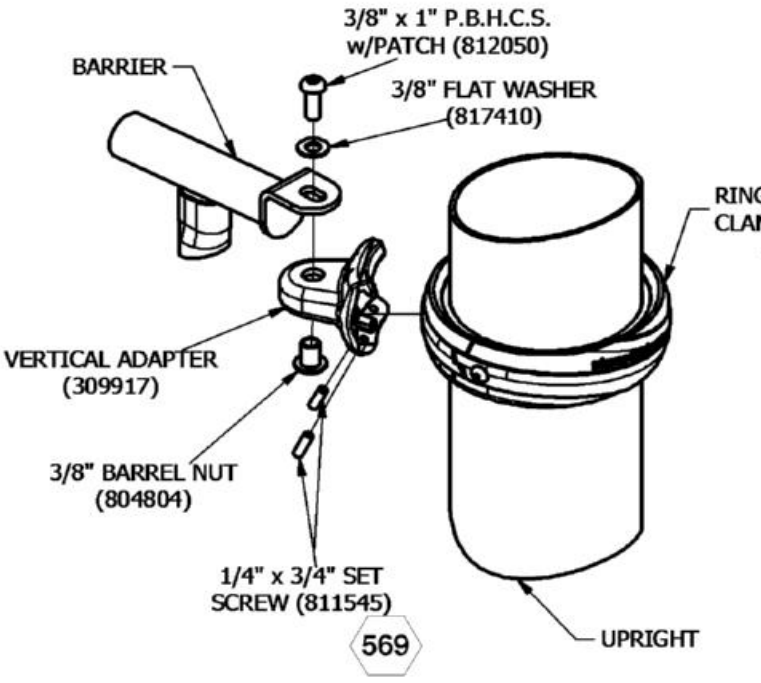
Issued/Revised: 12/11/2024

FINISHED ASSEMBLY

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

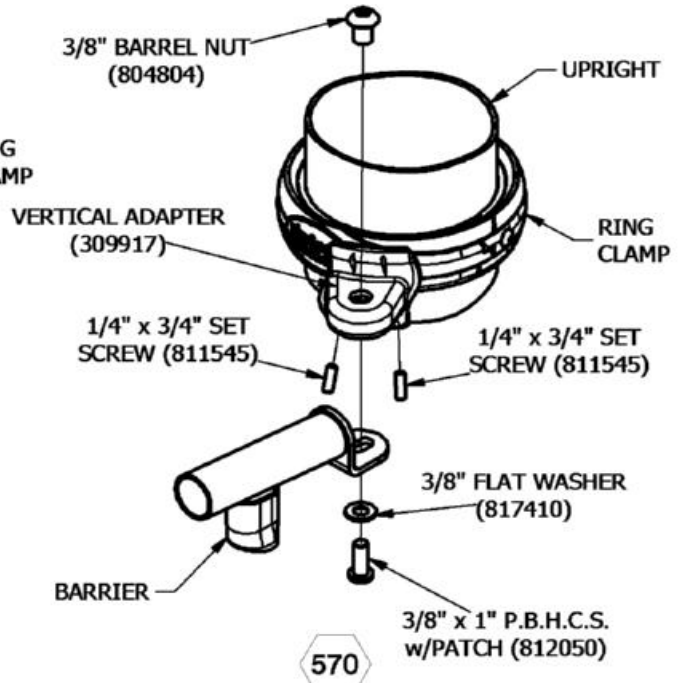
72201 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK A
72230 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK B
72231 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK C
72232 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK D

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

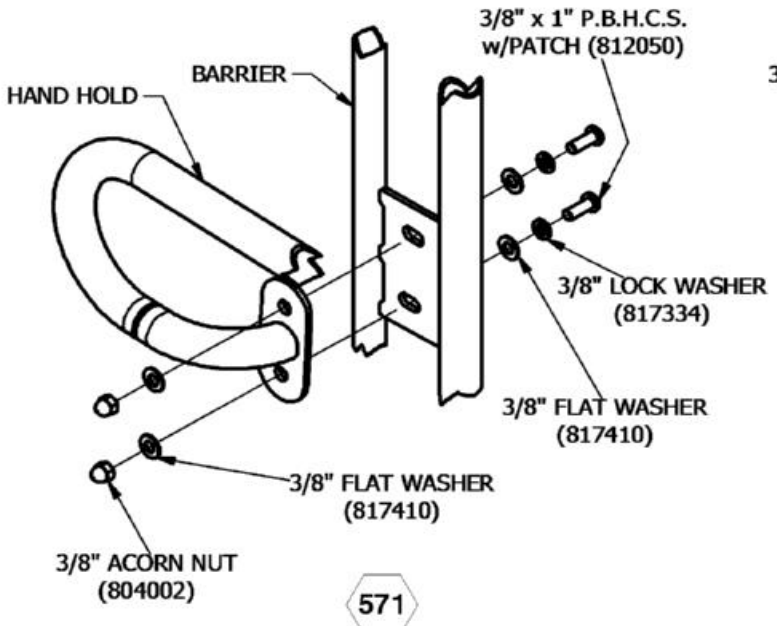


569

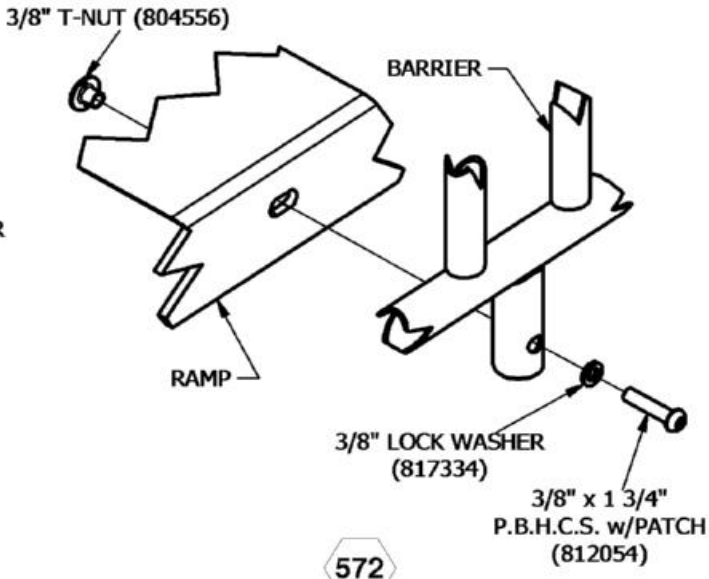
NOTE:VERTICAL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.



570

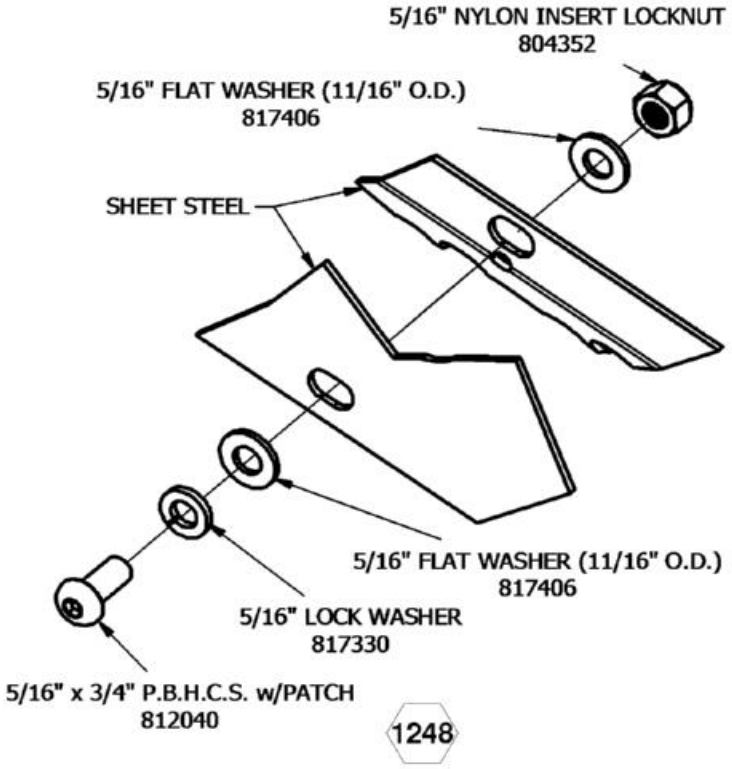


571



572

72201 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK A
72230 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK B
72231 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK C
72232 INLAY RAMP (12' SPAN 12" RISE) GROUND TO DECK D



72244 8FT RAMP GROUND TO DECK (RAMP ONLY); 72245 8FT RAMP DECK TO DECK (RAMP ONLY); 72246 12FT RAMP GROUND TO DECK (RAMP ONLY); 72247 12FT RAMP DECK TO DECK (RAMP ONLY)

Parts List					
DESCRIPTION	72244	72245	72246	72247	PART NUMBER
8" EXTENSION	0	0	0	2	151080
GROUND SUPPORT 1'	0	0	2	0	205412
GROUND SUPPORT 2'	0	0	0	2	205414
ALUMINUM COLLAR	2	0	2	0	301605
TRANSITION PLATE	1	0	1	0	303867
PANEL ADAPTER	2	0	2	0	309919
CROSS BAR	1	0	1	0	310032
RAMP	1	1	0	0	311019
RAMP	0	0	2	2	311030
HARDWARE COMPLETE	1	0	0	0	317323
HARDWARE COMPLETE	0	1	0	0	317324
HARDWARE COMPLETE	0	0	1	0	317325
HARDWARE COMPLETE	0	0	0	1	317326
1/4" x 3/4" SET SCREW	4	0	4	0	811545
3/8" x 3/8" SET SCREW	2	0	2	0	811549
3/8" x 1" P.B.H.C.S. w/PATCH	8	8	12	12	812050
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	2	0	2	0	812053
3/8" x 3 1/2" HEX HEAD BOLT	0	0	0	2	801013
3/8" LOCK WASHER	2	0	2	2	817334
3/8" FLAT WASHER (1 1/4" O.D.)	16	16	24	24	817424
3/8" HEX NUT	0	0	0	2	804053
3/8" LOCK NUT	8	8	12	12	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.

72244 8FT RAMP GROUND TO DECK (RAMP ONLY); 72245 8FT RAMP DECK TO DECK (RAMP ONLY); 72246 12FT RAMP GROUND TO DECK (RAMP ONLY); 72247 12FT RAMP DECK TO DECK (RAMP ONLY)

INSTALLATION INSTRUCTIONS:

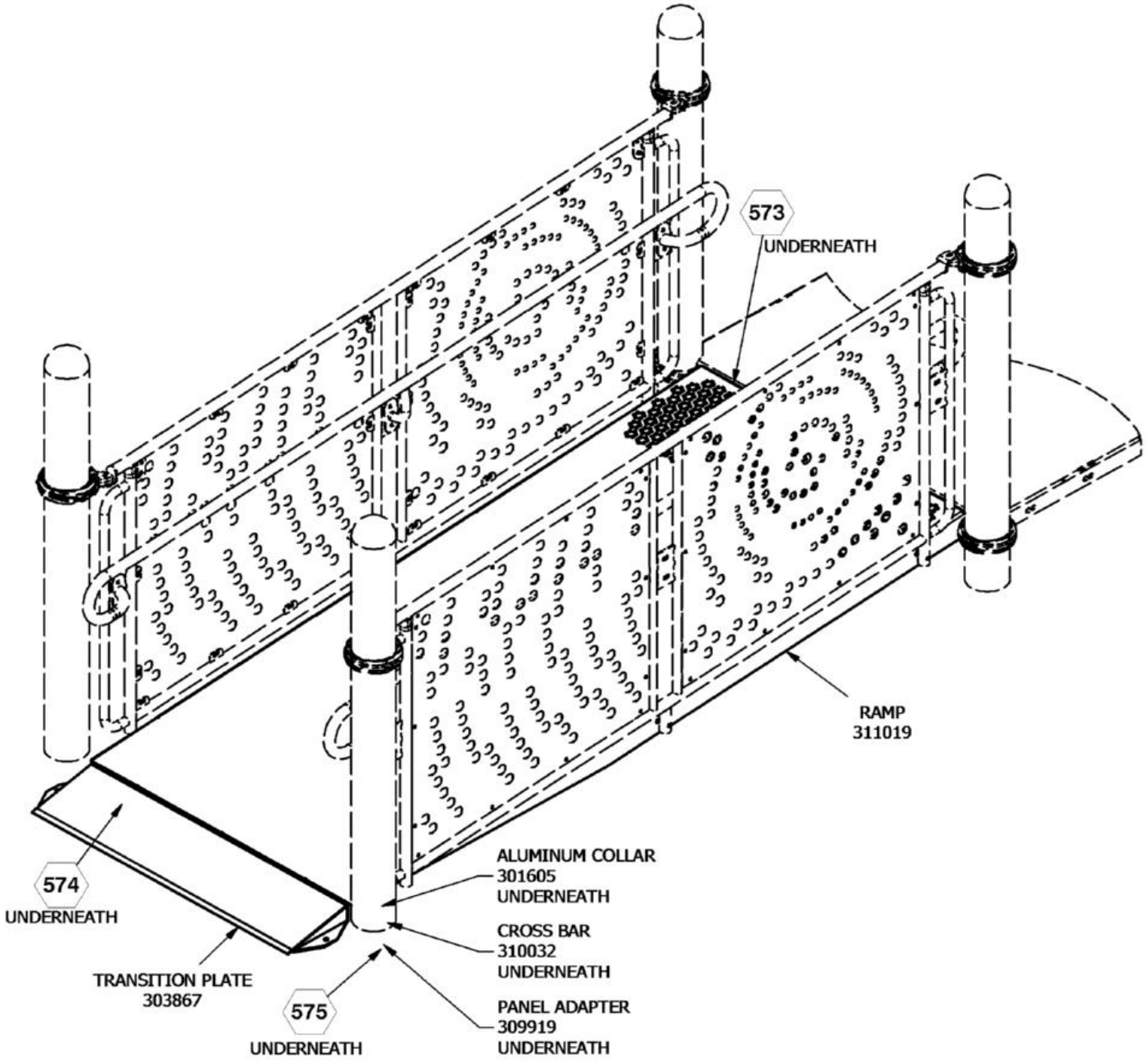
1. Determine which deck(s) are to receive the Ramp, and dig footing holes in locations and depths shown as needed.
2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.
3. For 72246 and 72247, attach ramps together. See Detail 573.
4. For 72246 and 72247, dig footing holes as shown in Plan Views.
5. For 72247, attach 8" Extensions to Ground Support 2'. See Detail 171.
6. For 72246 and 72247, attach Ground Supports to ramps. See Detail 1332.
7. Attach Ramp(s) to existing deck(s). See Detail 573.
8. For 72244 and 72246, attach lower end of Ramp to the existing Uprights using Crossbar, Aluminum Collar and Panel Adapters. See Detail 575. Ramp should be centered between uprights and secured by tightening set screws in collar.
9. For 72244 and 72246, attach Transition Plate to the lower end of Ramp. See Detail 574.
10. 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:

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

72244 8FT RAMP GROUND TO DECK (RAMP ONLY)



= INSTALLATION DETAIL

Issued/Revised: 9/19/2024

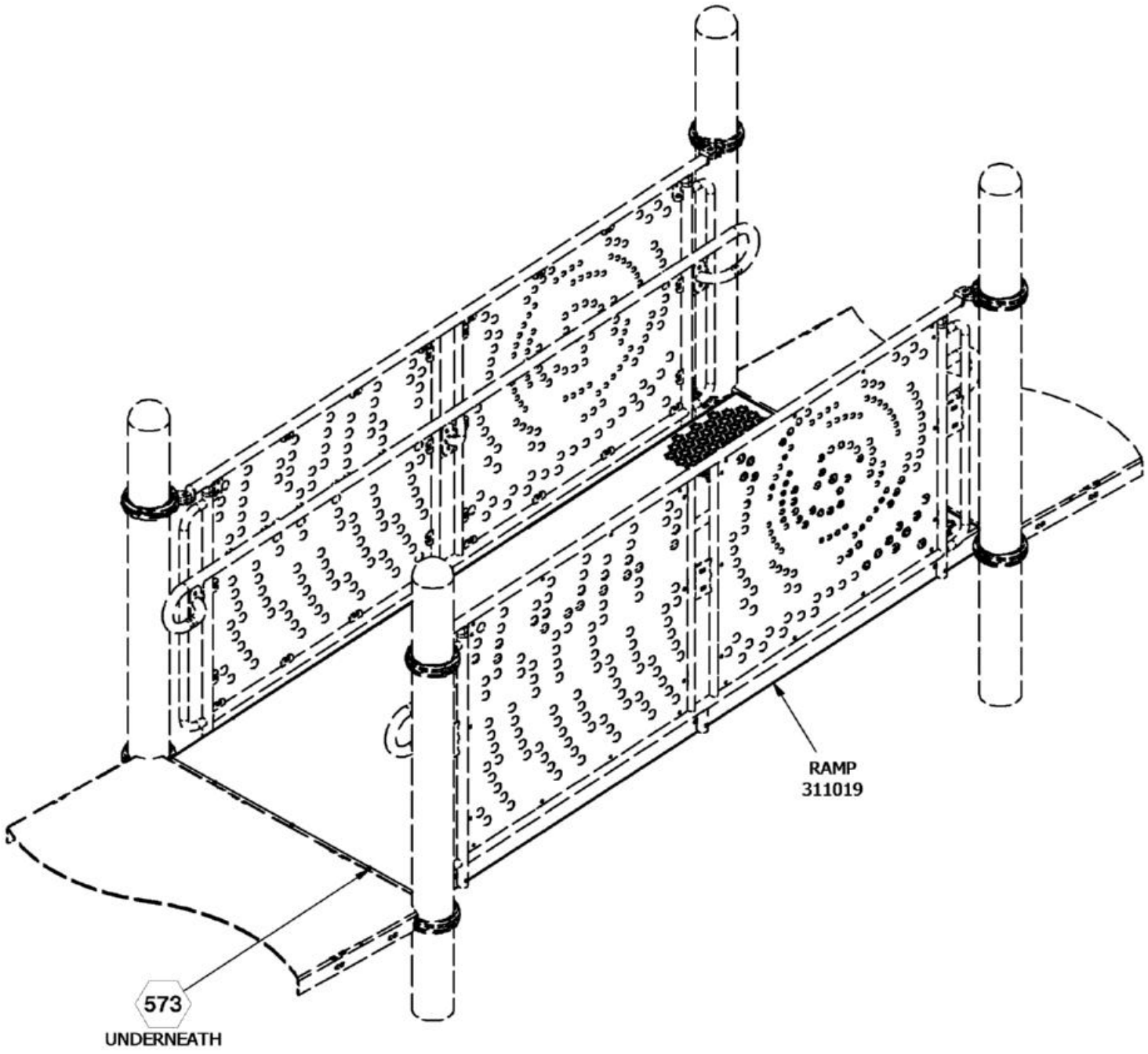
FINISHED ASSEMBLY

72244 SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

72245 8FT RAMP DECK TO DECK (RAMP ONLY)



⬡ = INSTALLATION DETAIL

Issued/Revised: 9/19/2024

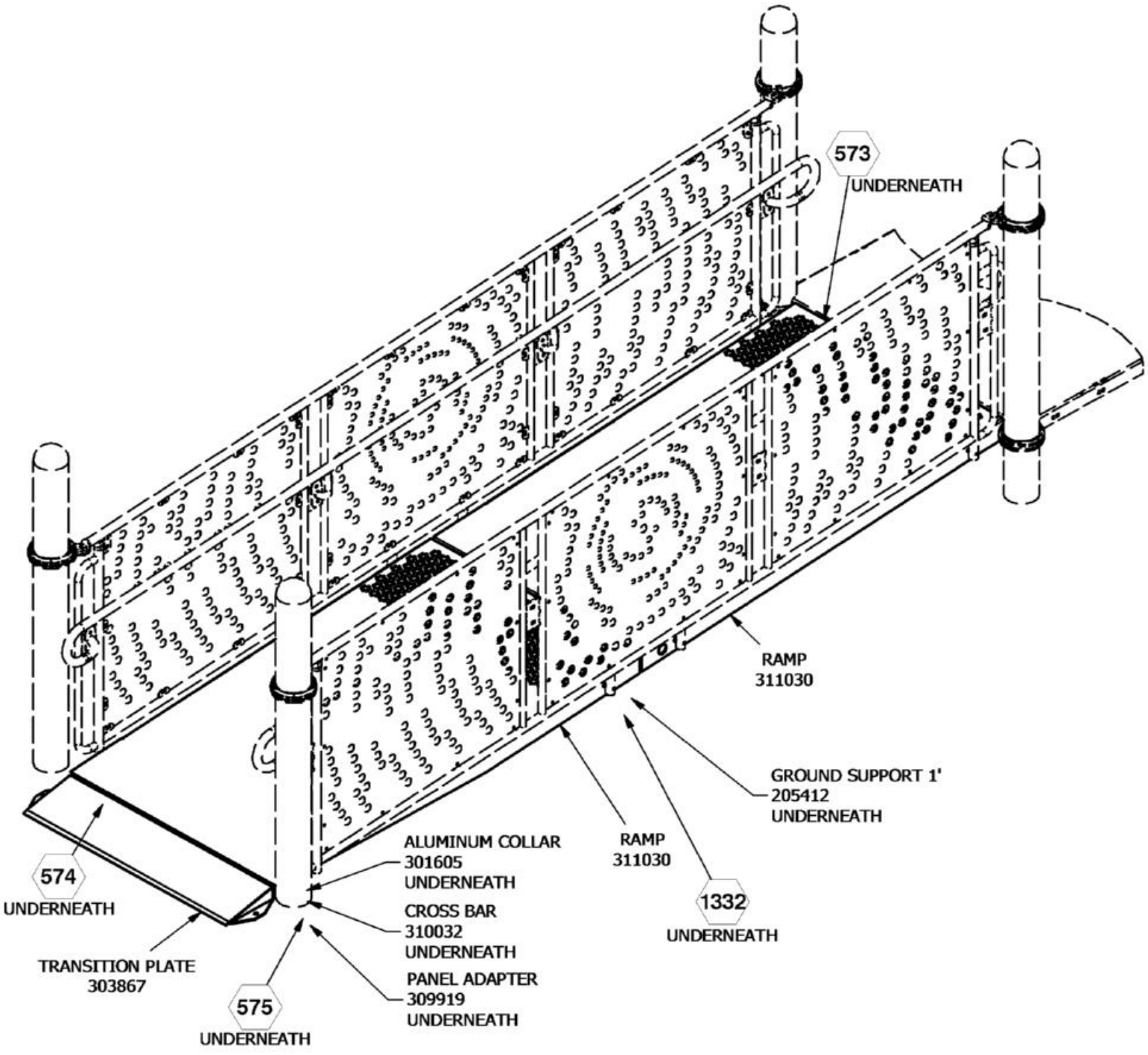
FINISHED ASSEMBLY

72245 SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

72246 12FT RAMP GROUND TO DECK (RAMP ONLY)



⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

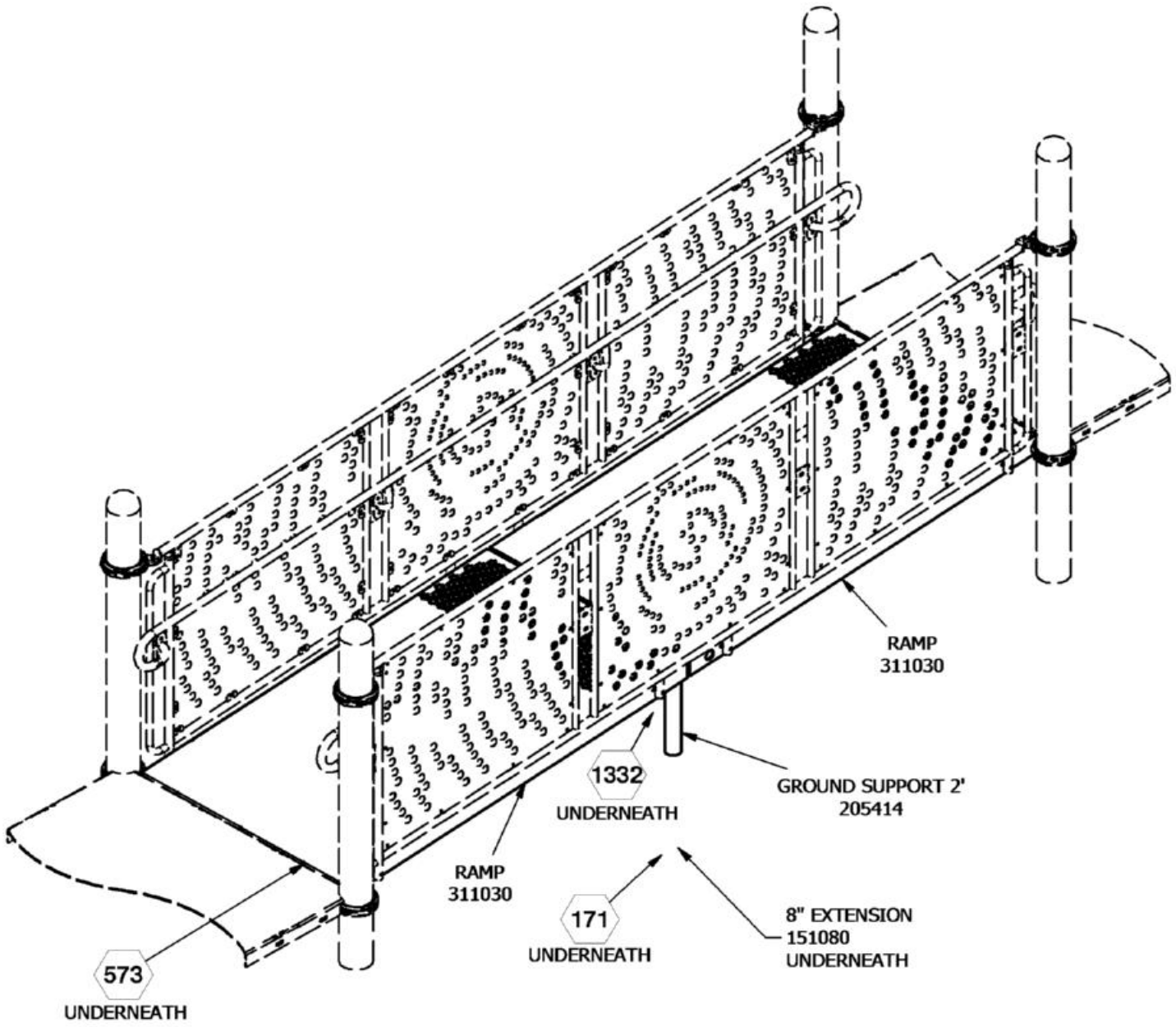
Issued/Revised: 9/19/2024

FINISHED ASSEMBLY

72246 SHOWN

SuperMax Play Systems

72247 12FT RAMP DECK TO DECK (RAMP ONLY)



⬡ = INSTALLATION DETAIL

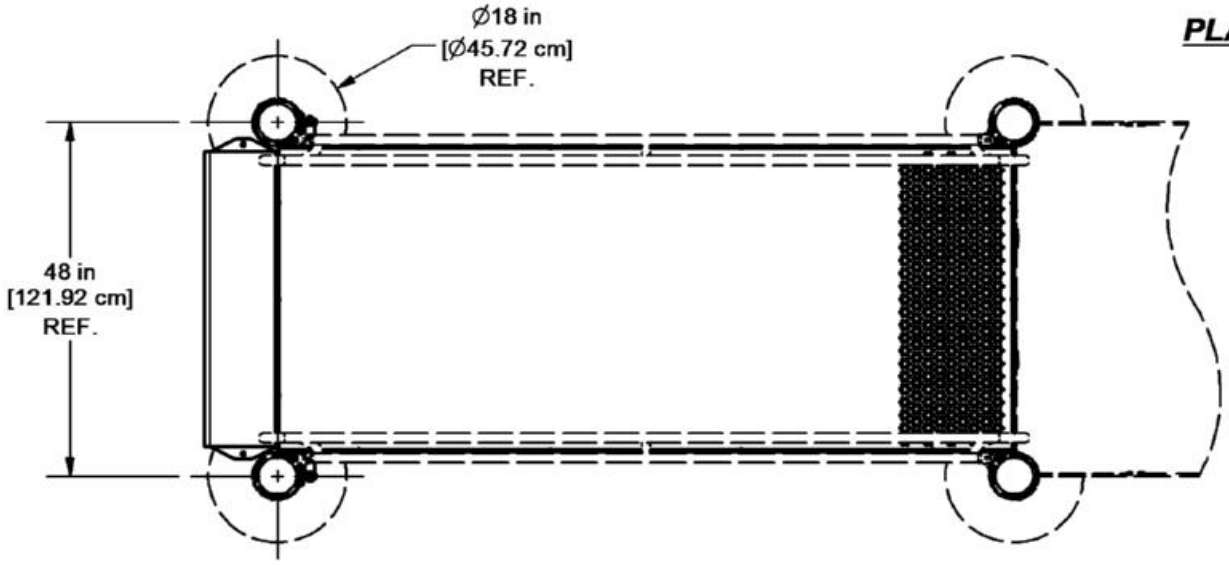
Issued/Revised: 9/19/2024

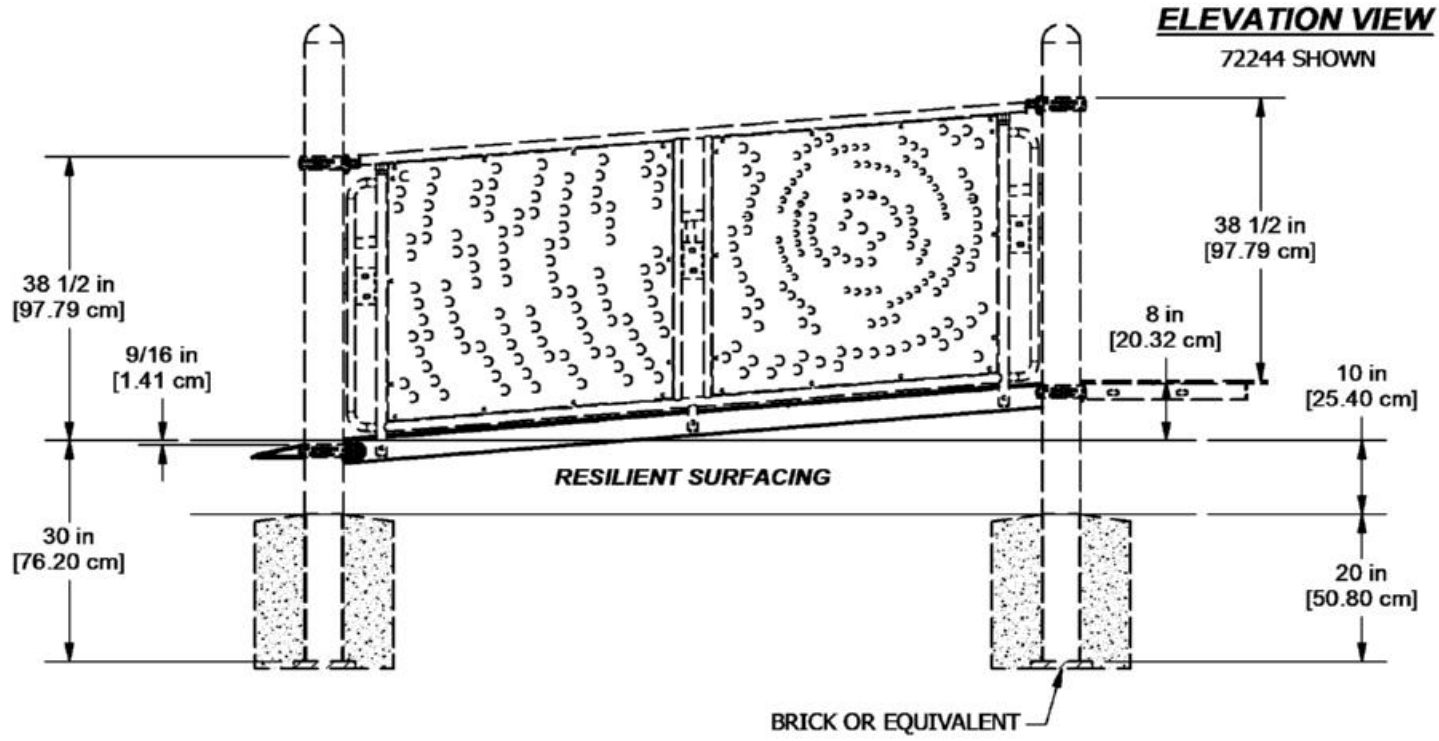
FINISHED ASSEMBLY

72247 SHOWN

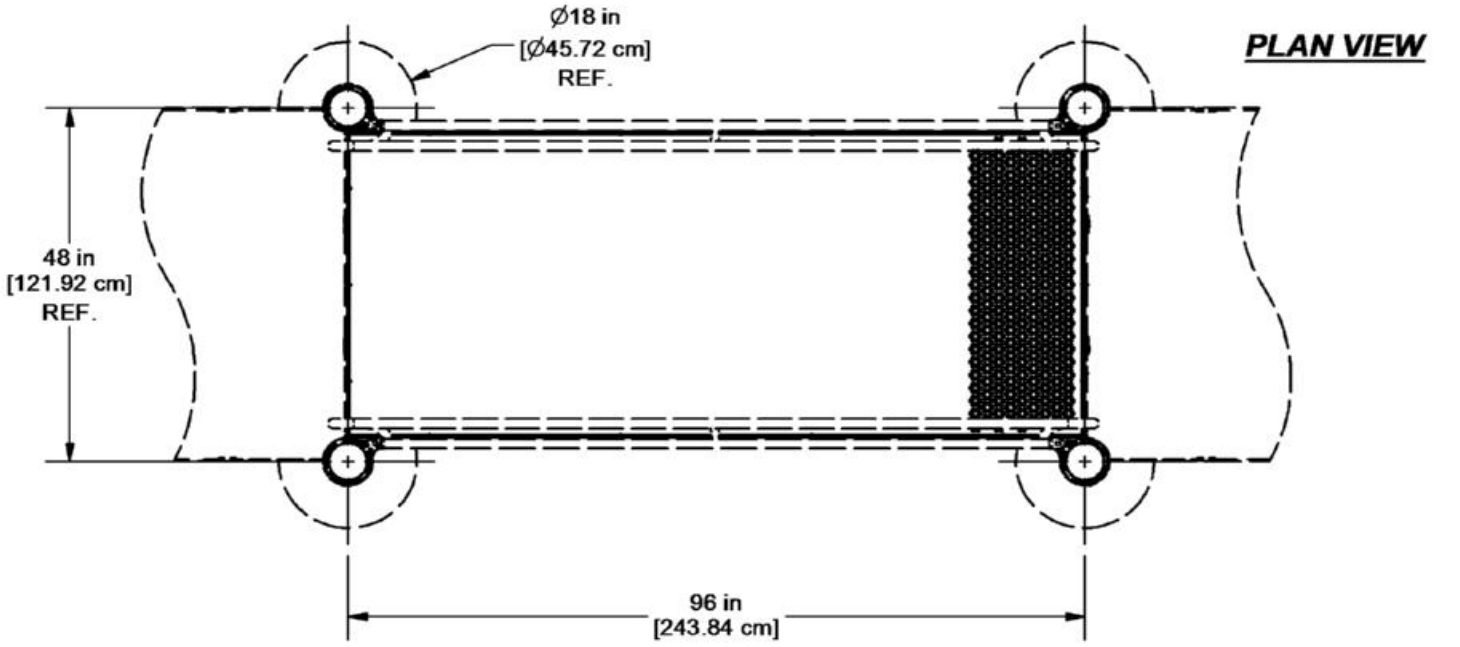
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

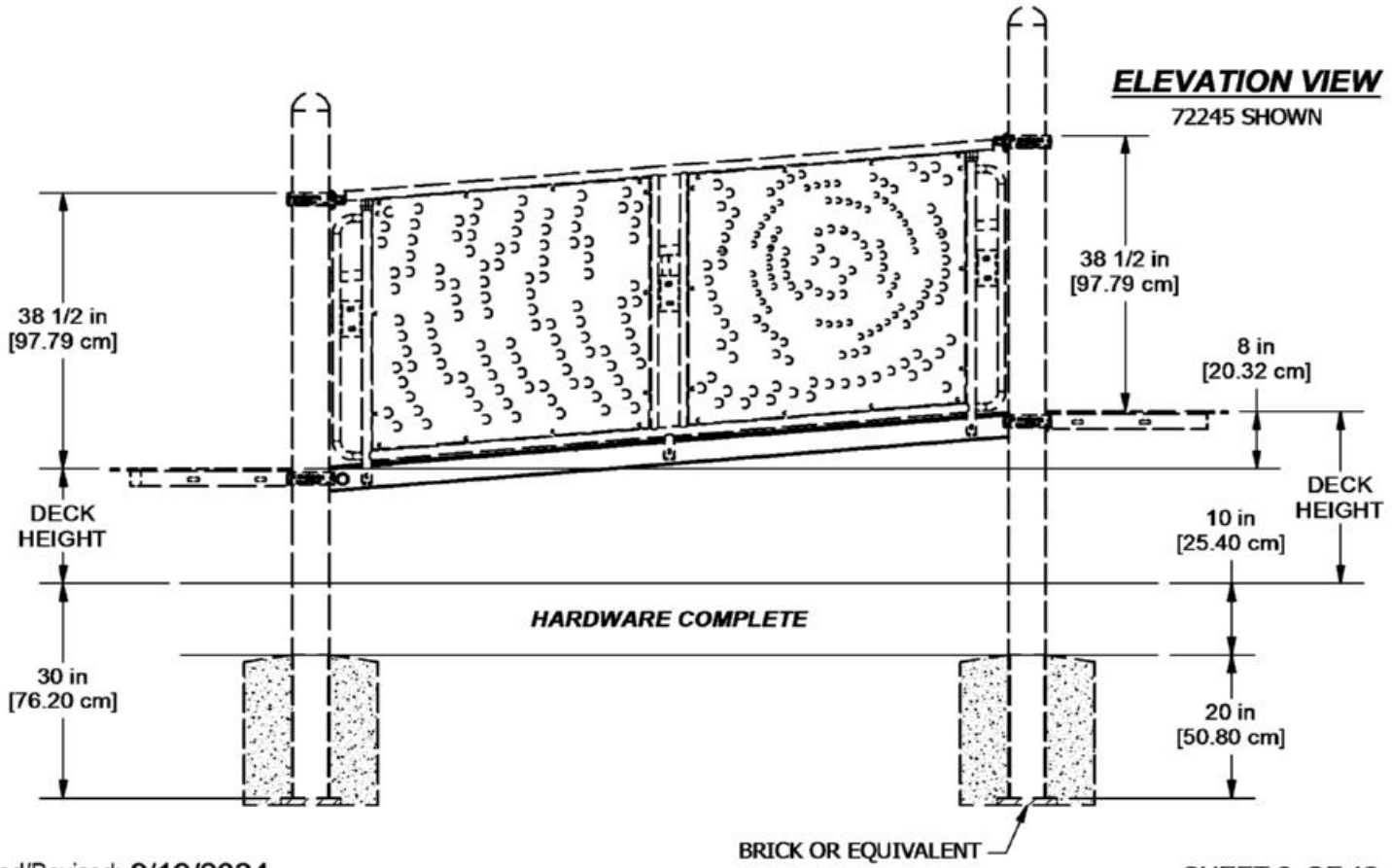
72244 8FT RAMP GROUND TO DECK (RAMP ONLY)





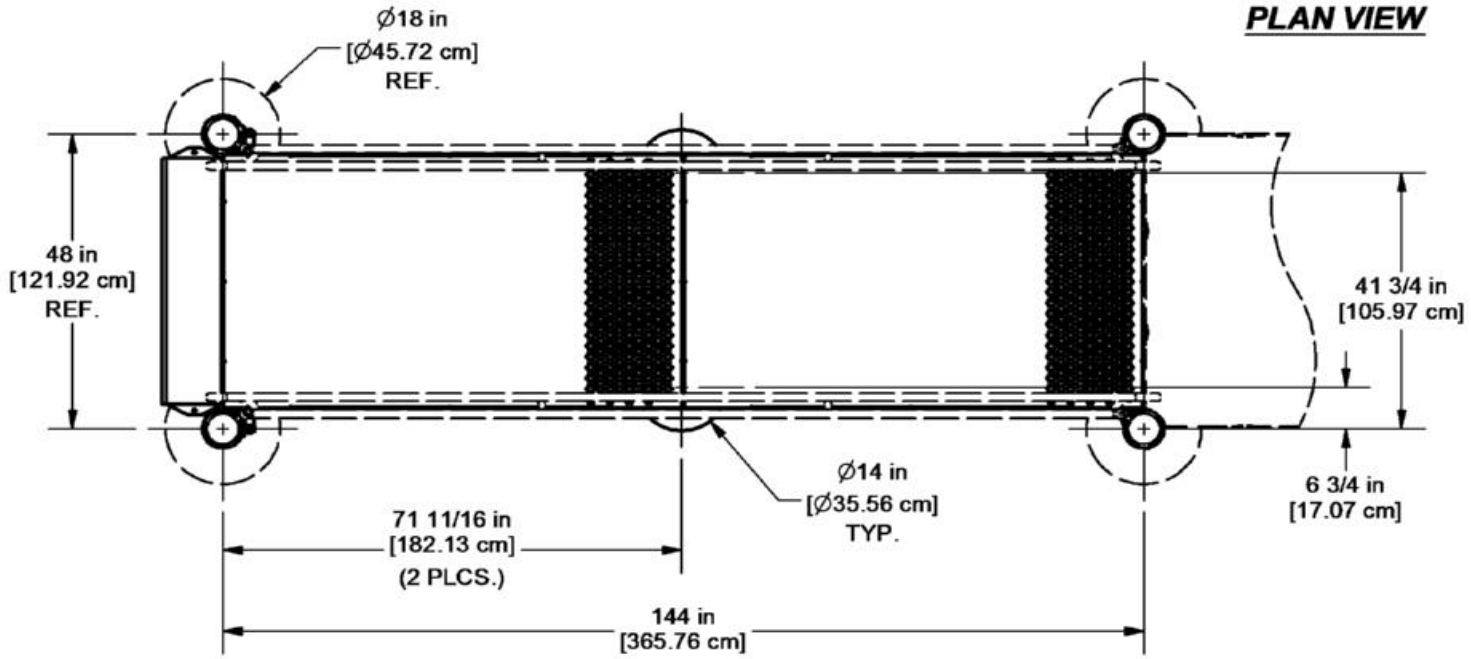
72245 8FT RAMP DECK TO DECK (RAMP ONLY)





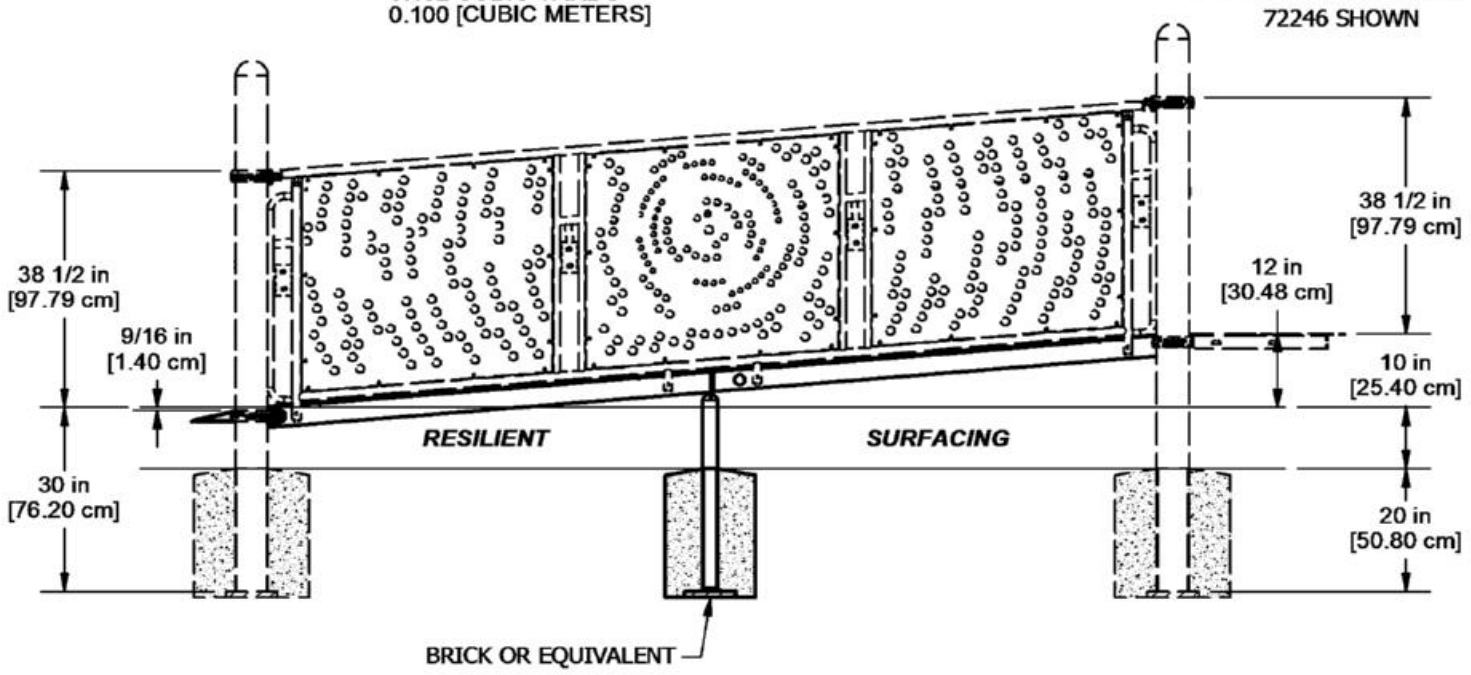
72246 12FT RAMP GROUND TO DECK (RAMP ONLY)

PLAN VIEW



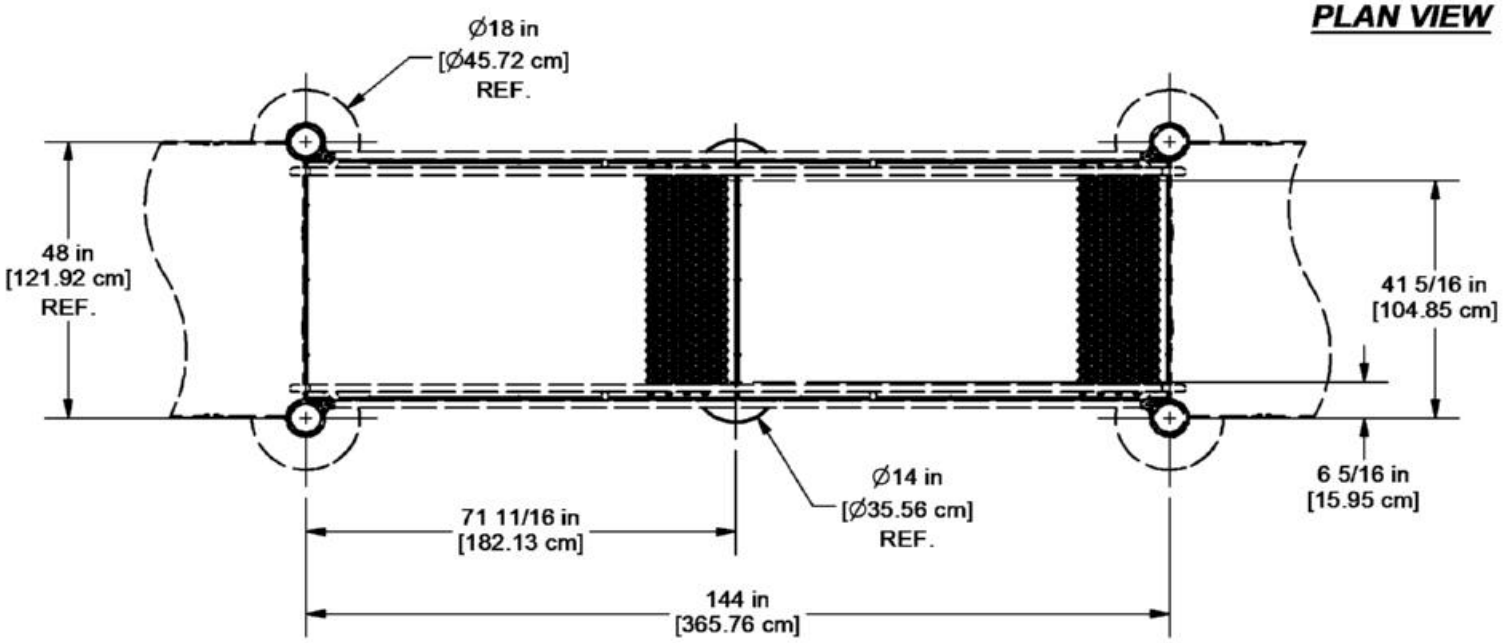
CONCRETE REQUIRED
0.132 CUBIC YARDS
0.100 [CUBIC METERS]

ELEVATION VIEW
72246 SHOWN



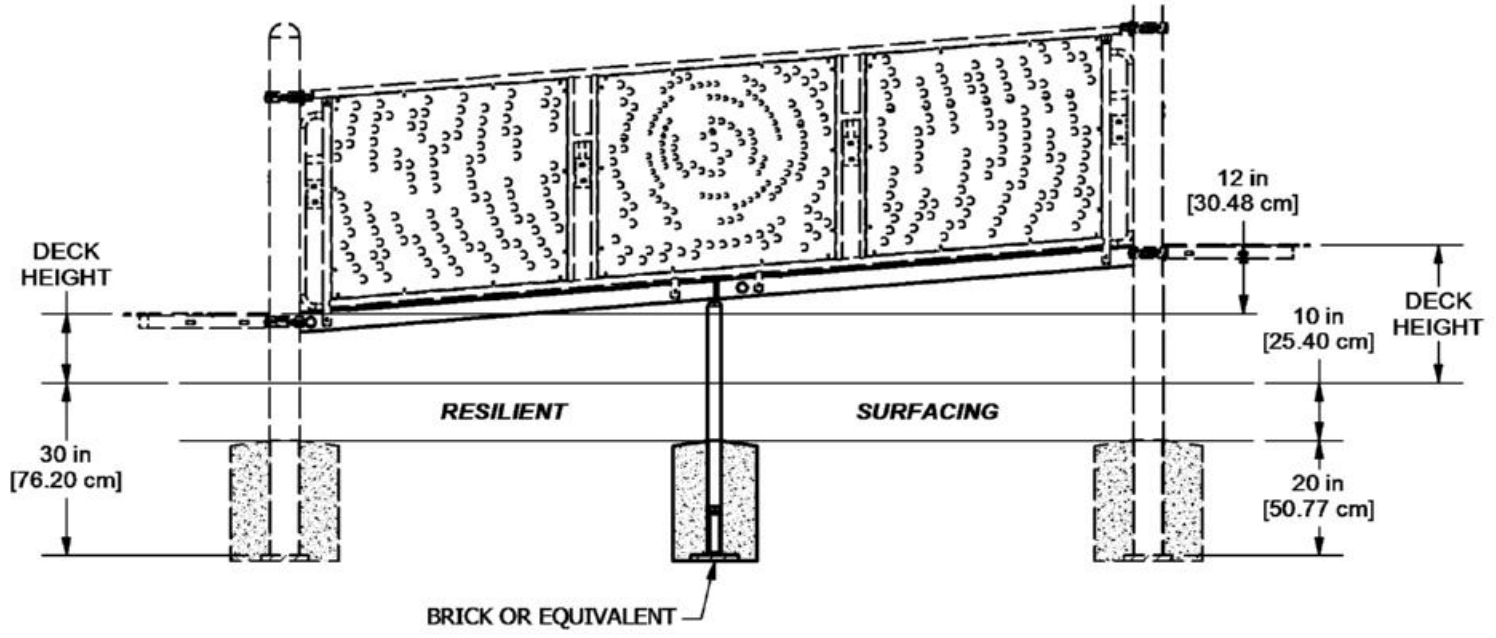
72247 12FT RAMP DECK TO DECK (RAMP ONLY)

PLAN VIEW

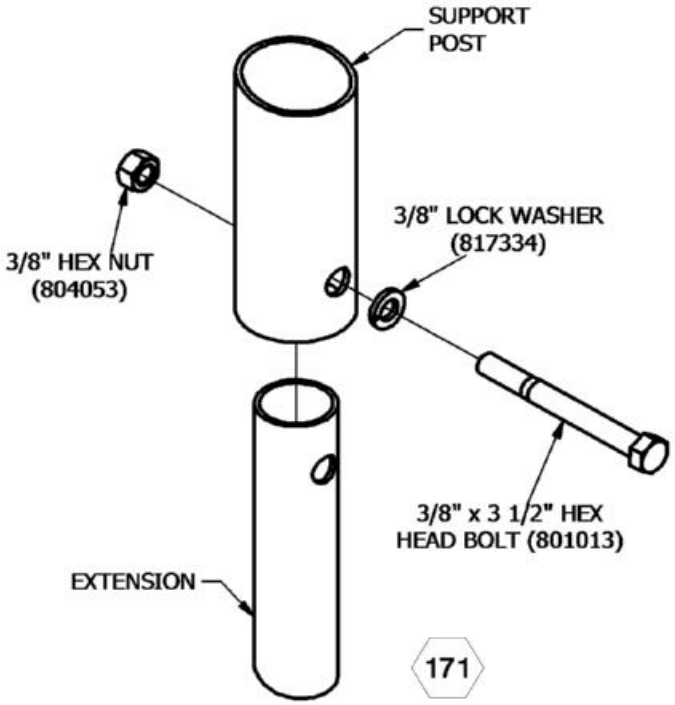


CONCRETE REQUIRED
0.132 CUBIC YARDS
0.100 [CUBIC METERS]

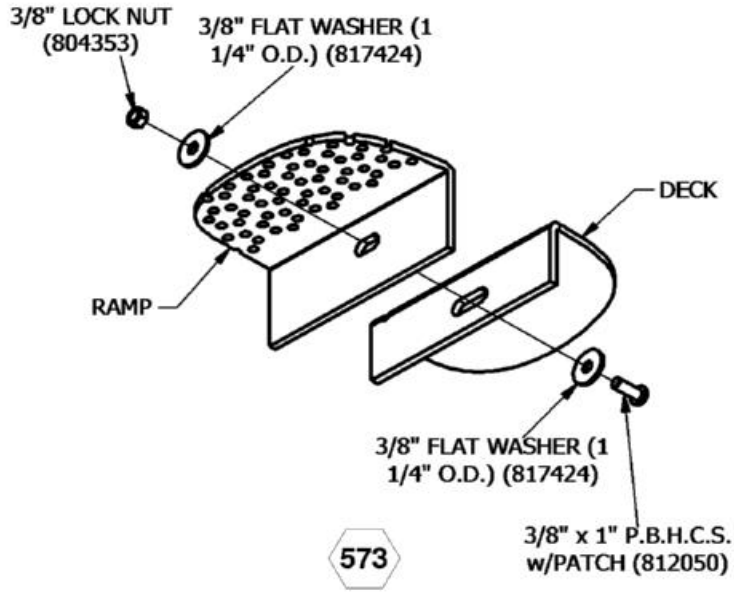
ELEVATION VIEW
72247 SHOWN



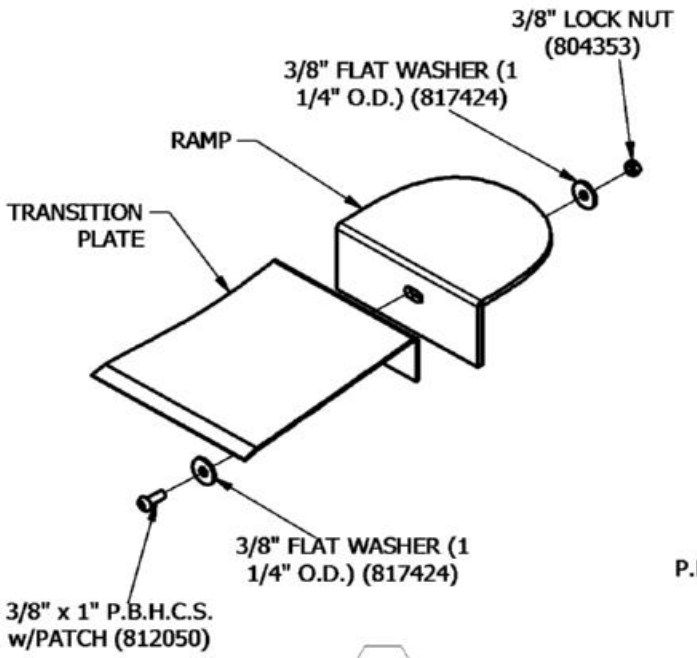
72244 8FT RAMP GROUND TO DECK (RAMP ONLY); 72245 8FT RAMP DECK TO DECK (RAMP ONLY); 72246 12FT RAMP GROUND TO DECK (RAMP ONLY); 72247 12FT RAMP DECK TO DECK (RAMP ONLY)



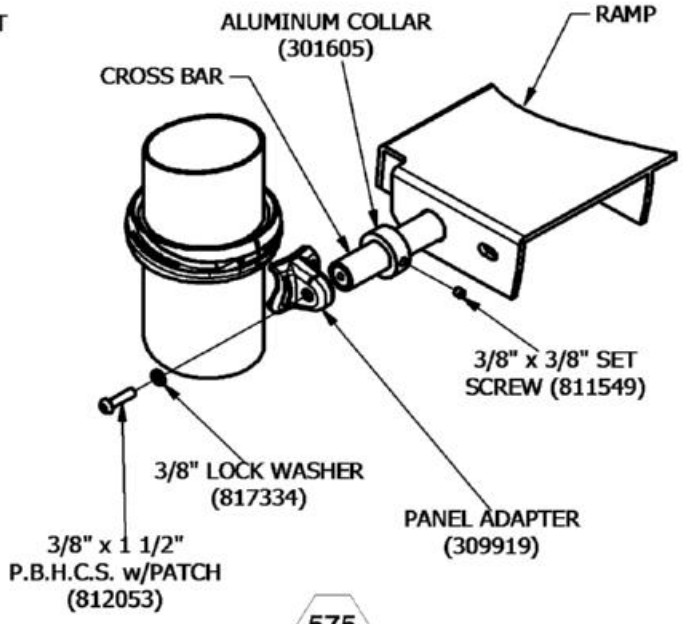
171



573



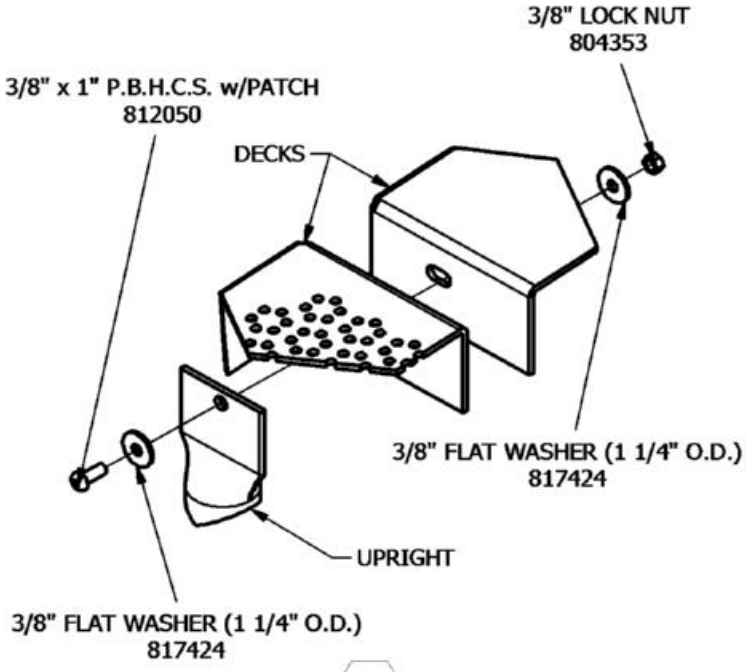
574



575

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

72244 8FT RAMP GROUND TO DECK (RAMP ONLY); 72245 8FT RAMP DECK TO DECK (RAMP ONLY); 72246 12FT RAMP GROUND TO DECK (RAMP ONLY); 72247 12FT RAMP DECK TO DECK (RAMP ONLY)



SuperMax Play Systems

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

YP479 SUPERMAX PPS TABLE

Parts List		
DESCRIPTION	QTY	PART NUMBER
RING HALF CLAMP	1	309913
SUPERMAX PPS TABLE TOP	1	317518
SUPERMAX TABLE BOTTOM PLATE	1	317520
PPS TABLE CLAMP	1	317522
PPS TABLE SEAT HDPE	4	317524
PPS TABLE SEAT SUPPORT	4	317526
PPS TABLE SUPPORT	1	317530
HARDWARE COMPLETE	1	317533
1/4" x 3/4" DRIVE RIVET	1	168449
5/16" x 3/4" P.B.H.C.S. w/PATCH	35	812040
5/16" LOCK WASHER	35	817330
5/16" FLAT WASHER (11/16" O.D.)	35	817406
3/8" ZINC ALLOY TAPPING INSERT	35	804822
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	812051
3/8" FLAT WASHER	2	817410
3/8" FLAT WASHER (1 1/4" O.D.)	4	817424
3/8" HEAVY HEX NUT	2	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:

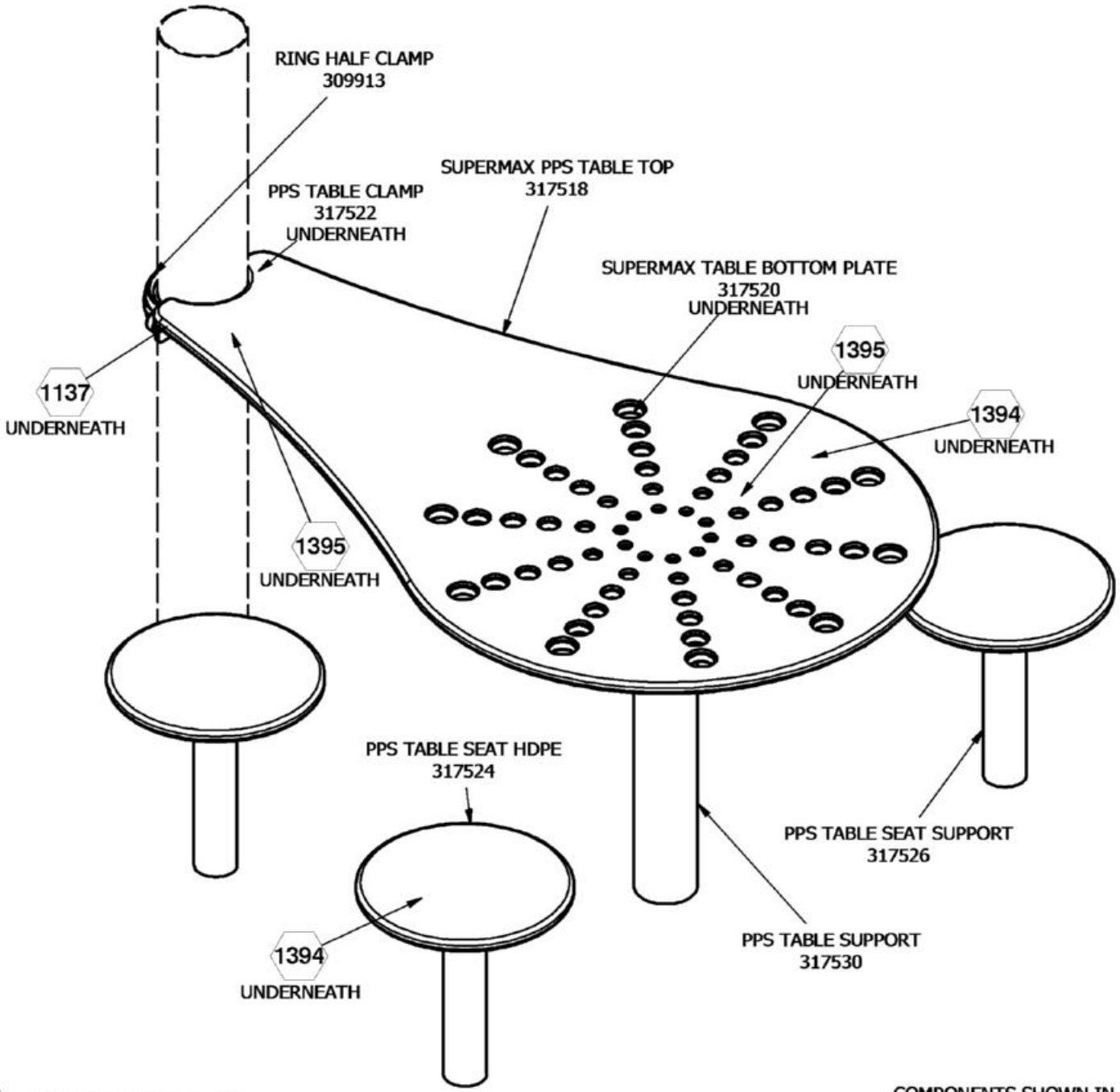
1. Determine which upright is to receive the Supermax PPS Table. Refer to order Top View.
2. Loosely attach Ring Half Clamp and PPS Table Clamp to upright. See Detail 1137. Refer to Elevation View.
3. Attach Supermax Table Bottom Plate to Supermax PPS Table Top. See Detail 1394.
4. Attach PPS Table Support to assembled table top. See Detail 1395.
5. Place table assembly into appropriate footing hole and attach to PPS Table Clamp. See Detail 1395. Refer to Plan View.
6. Attach PPS Table Seat HDPEs to PPS Table Seat Supports and place into appropriate footing holes. See Detail 1394. Refer to Plan View.
7. Plumb and level the entire assembly and tighten all fasteners.
8. After the entire unit is assembled, pour concrete footing with 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.
9. When the stucture is finished and satisfactory, tighten all fasteners and install Drive Rivets in all the 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 the play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the Safety Guidlines.

SuperMax Play Systems

YP479 SUPERMAX PPS TABLE

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.



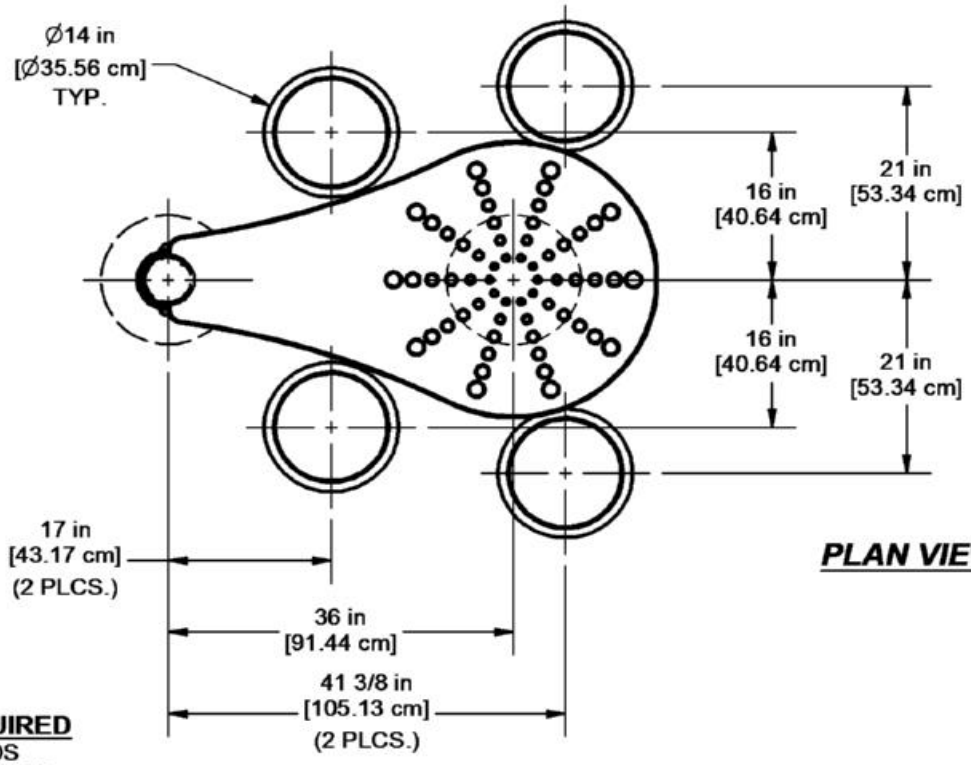
= INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 11/11/2024

FINISHED ASSEMBLY

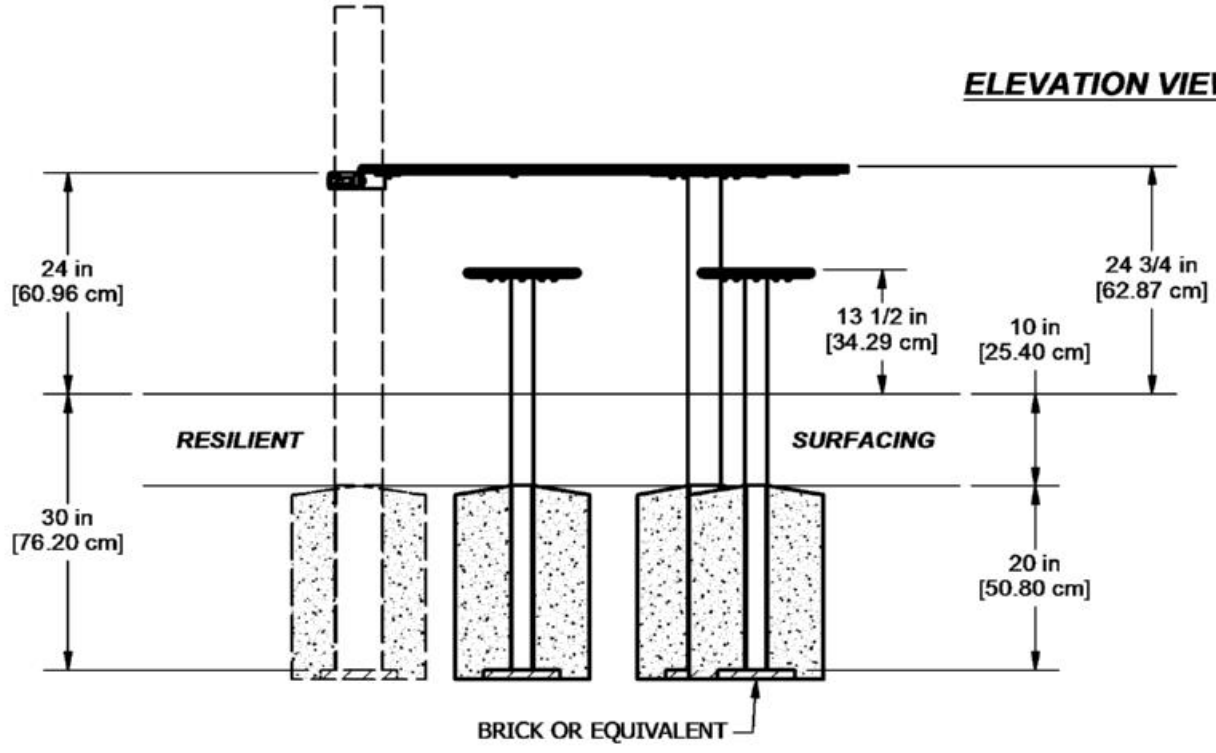
YP479 SUPERMAX PPS TABLE



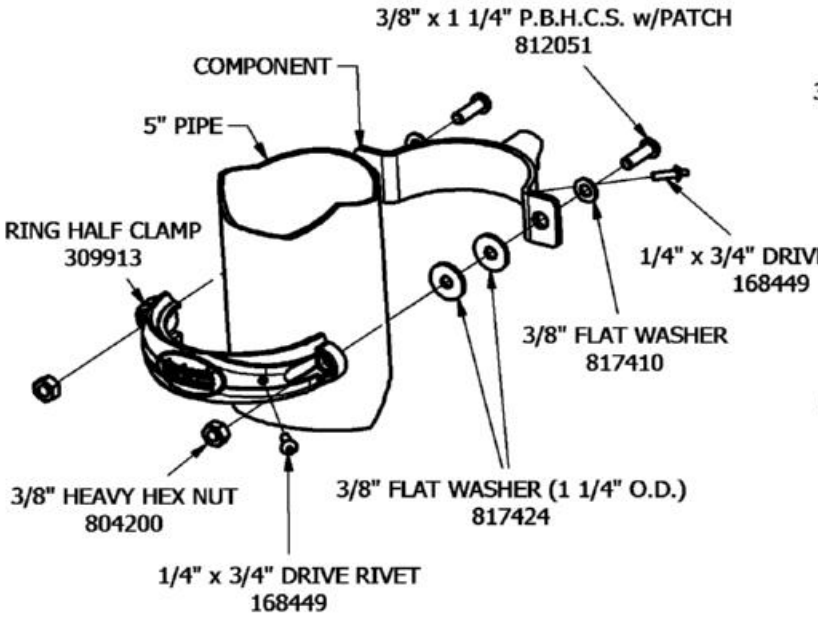
PLAN VIEW

CONCRETE REQUIRED
0.330 CUBIC YARDS
0.250 [CUBIC METERS]

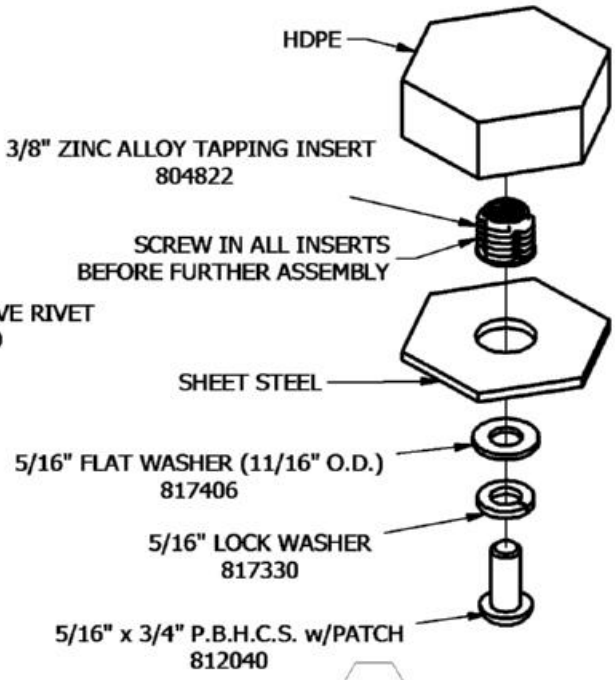
ELEVATION VIEW



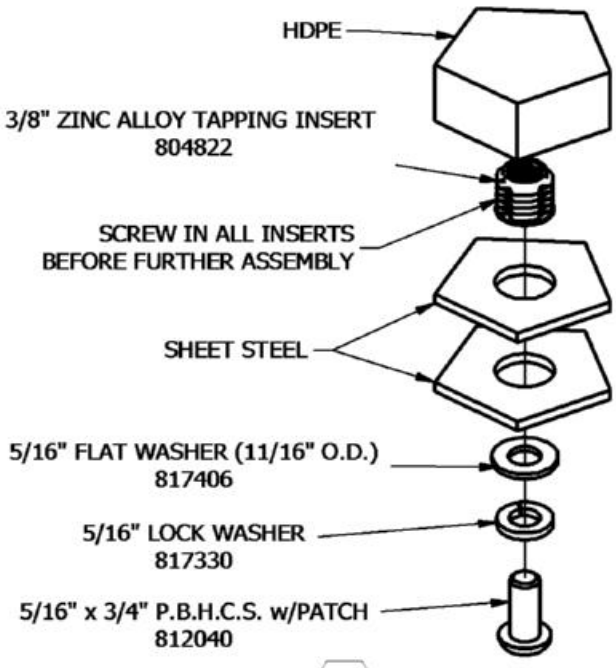
YP479 SUPERMAX PPS TABLE



1137



1394



1395

7341 20" ONE SIDED JAMBOX ROTOGEN
7342 20" TWO SIDED JAMBOX ROTOGEN

Parts List			
DESCRIPTION	7341	7342	PART NUMBER
JAMBOX SENSOR 20" ROTOGEN	1	0	218235
JAMBOX SENSOR w/BACK 20" ROTOGEN	0	1	218236
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" FLAT WASHER	8	8	817410
3/8" LOCK WASHER	8	0	817334
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.

7341 20" ONE SIDED JAMBOX ROTOGEN
7342 20" TWO SIDED JAMBOX ROTOGEN

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 Jam Box 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 Jam Box 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. Plumb and level the entire assembly and tighten all fasteners.
5. 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.
6. 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.

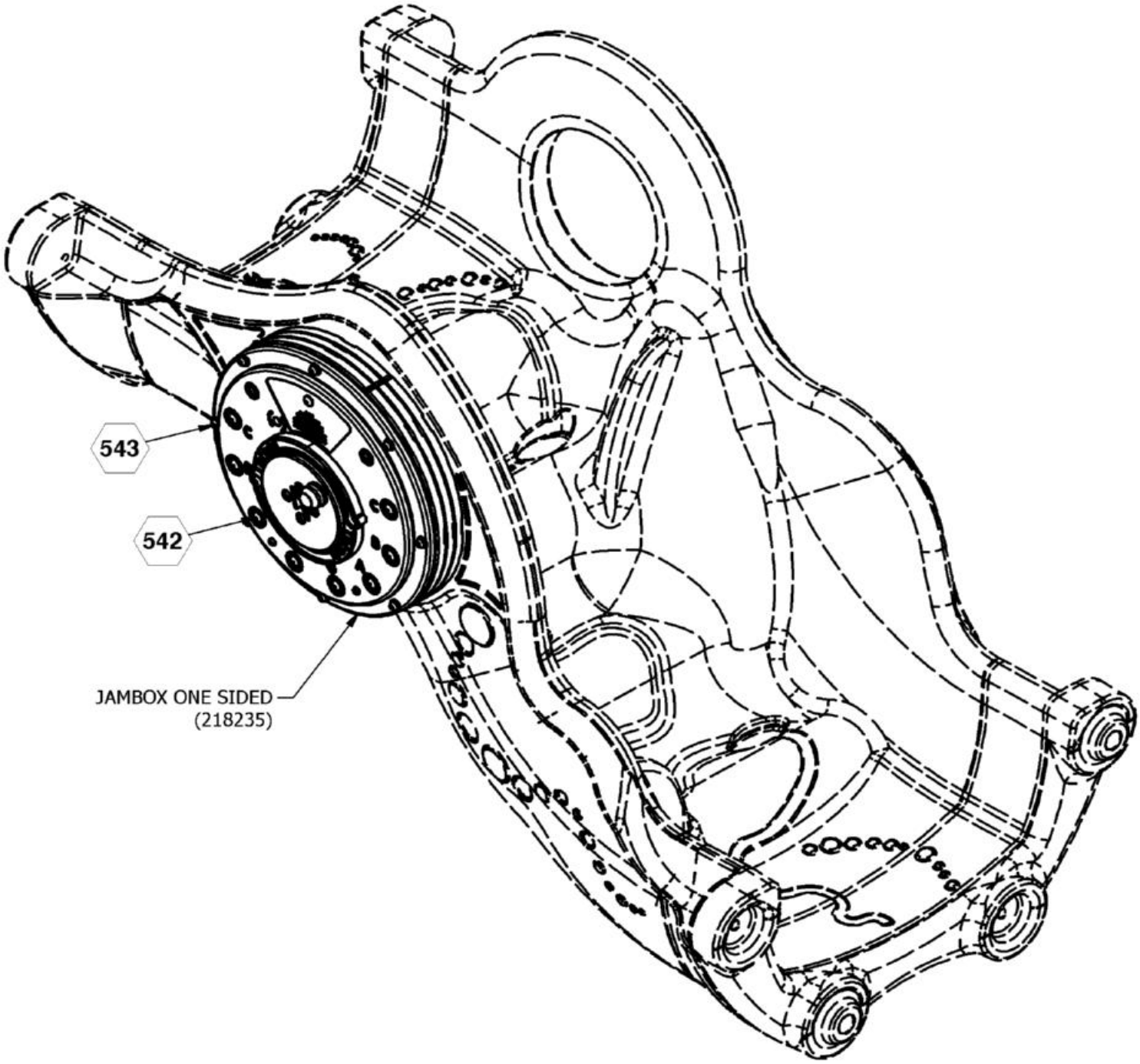
INSTALLATION INSTRUCTIONS:

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 Jam Box 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. Plumb and level the entire assembly and tighten all fasteners.
5. 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.
6. 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.

7341 20" ONE SIDED JAMBOX ROTOGEN
7342 20" TWO SIDED JAMBOX ROTOGEN



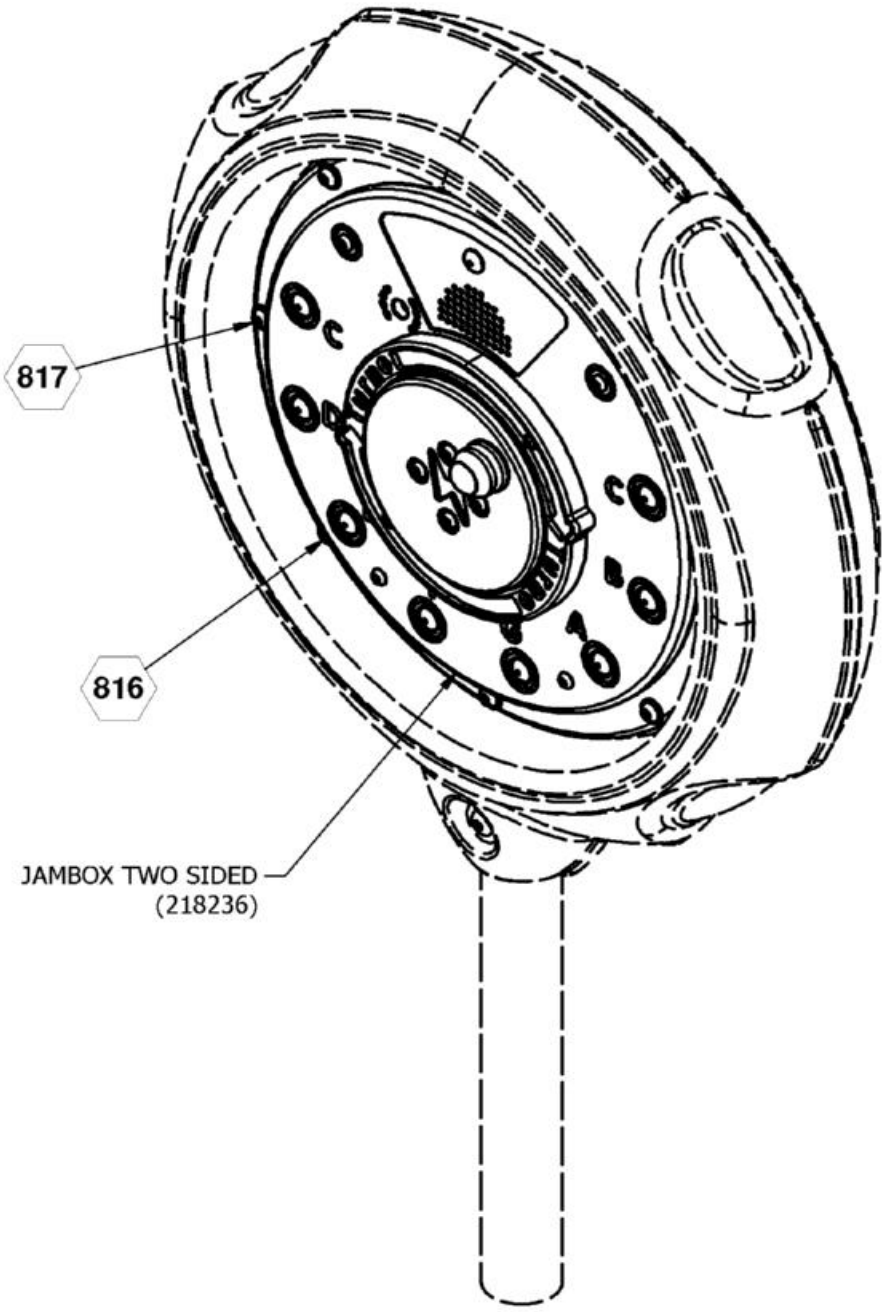
FINISHED ASSEMBLY
7341 SHOWN

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 5/6/2022

7341 20" ONE SIDED JAMBOX ROTOGEN
7342 20" TWO SIDED JAMBOX ROTOGEN

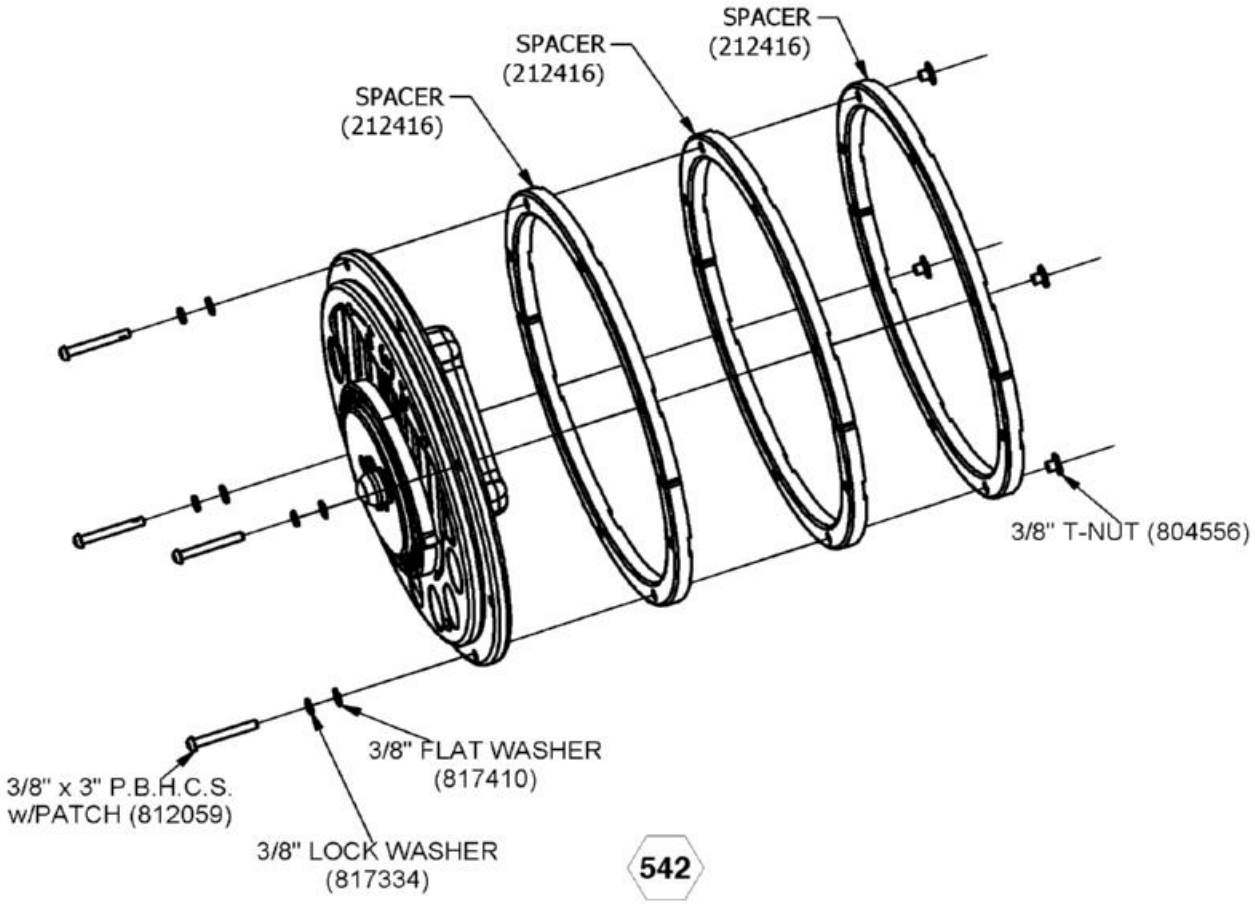


FINISHED ASSEMBLY
7342 SHOWN

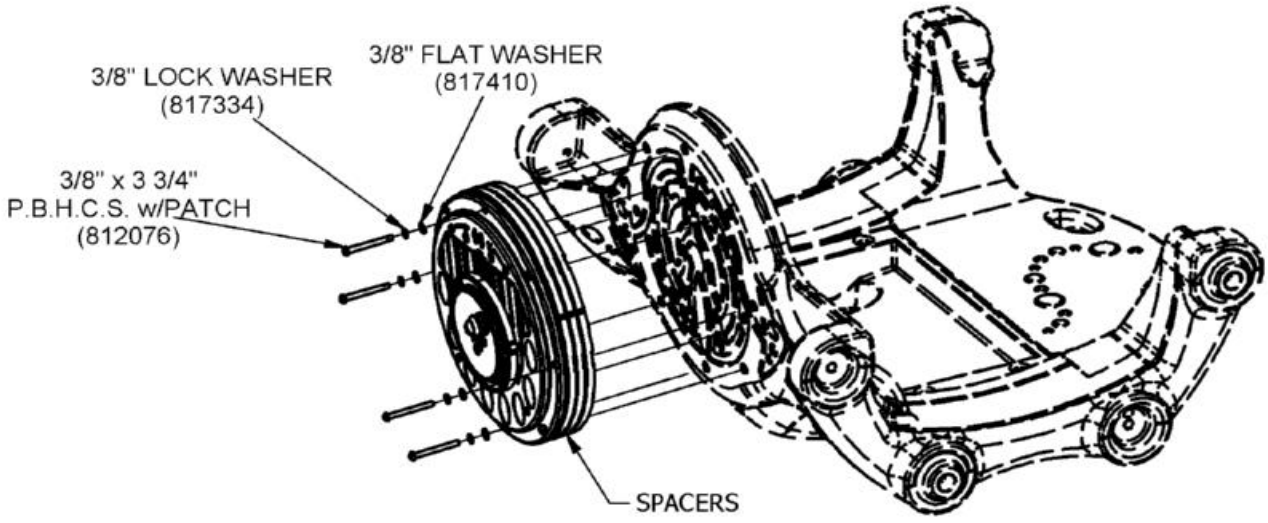
⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

7341 20" ONE SIDED JAMBOX ROTOGEN
7342 20" TWO SIDED JAMBOX ROTOGEN

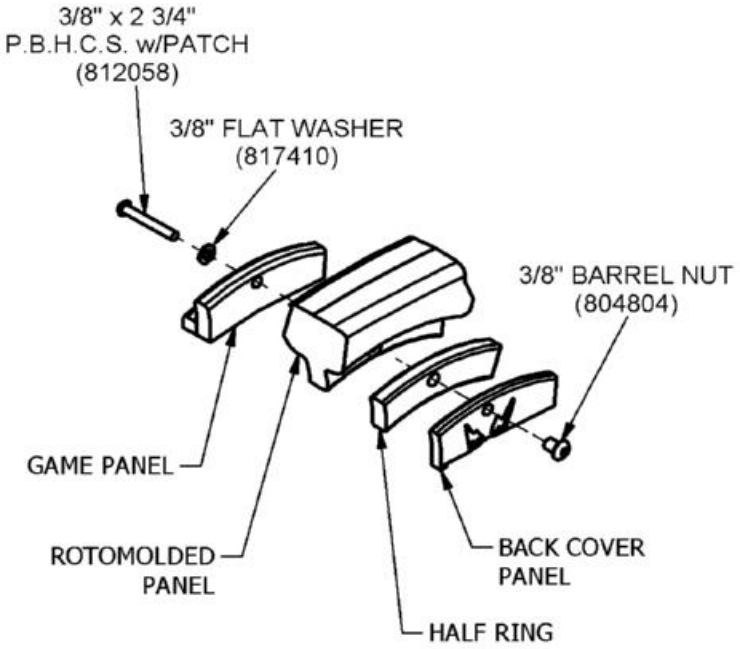


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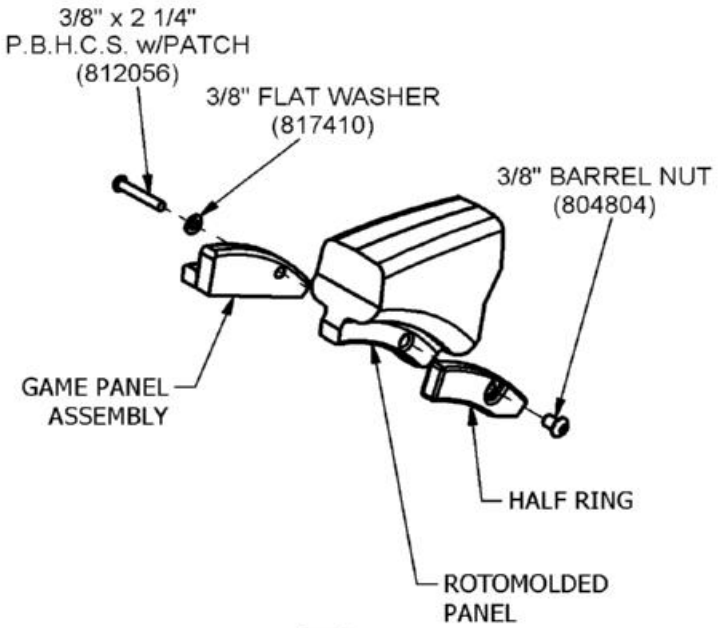


543

7341 20" ONE SIDED JAMBOX ROTOGEN
7342 20" TWO SIDED JAMBOX ROTOGEN



817



816

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.

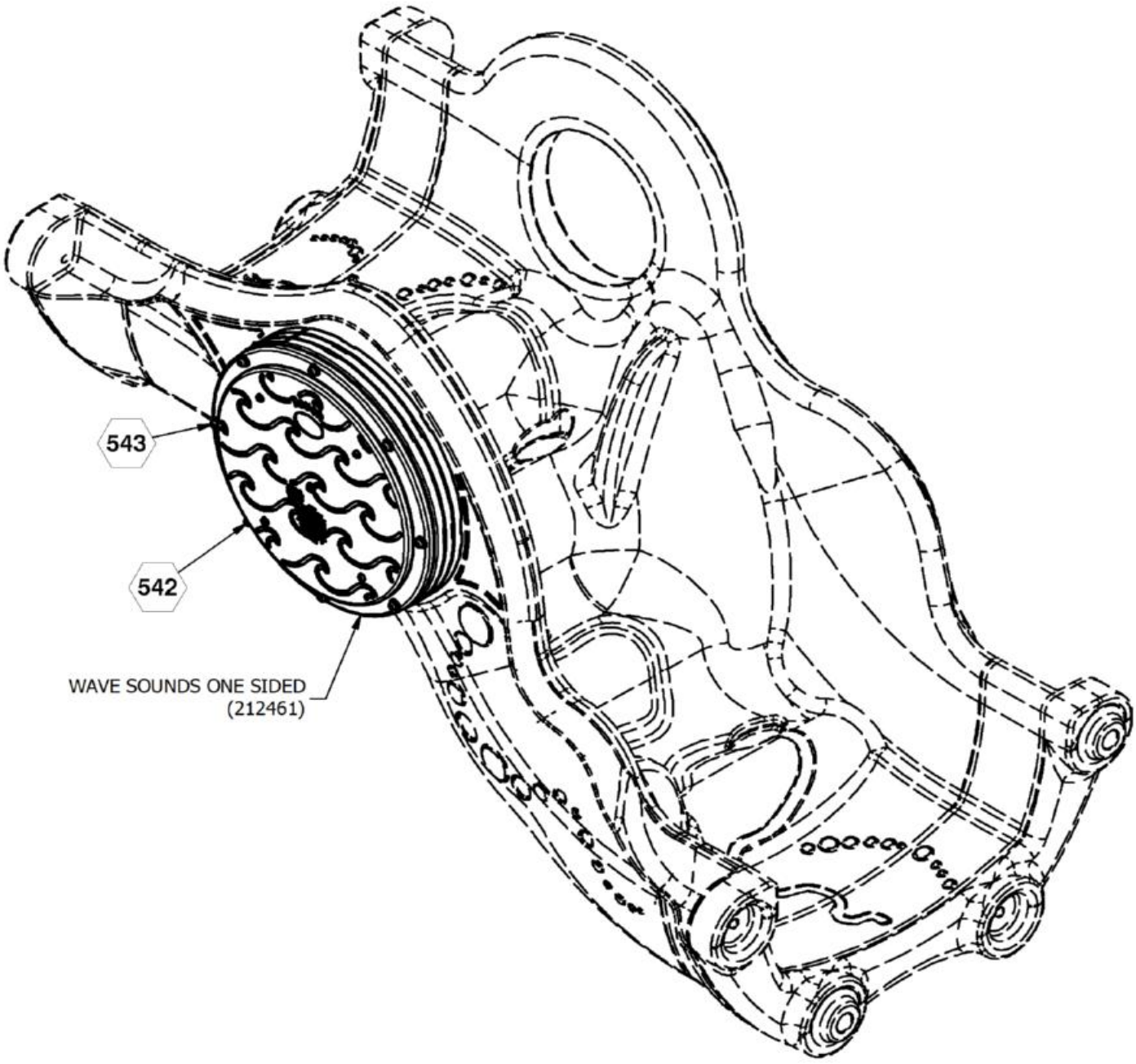
INSTALLATION INSTRUCTIONS:

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



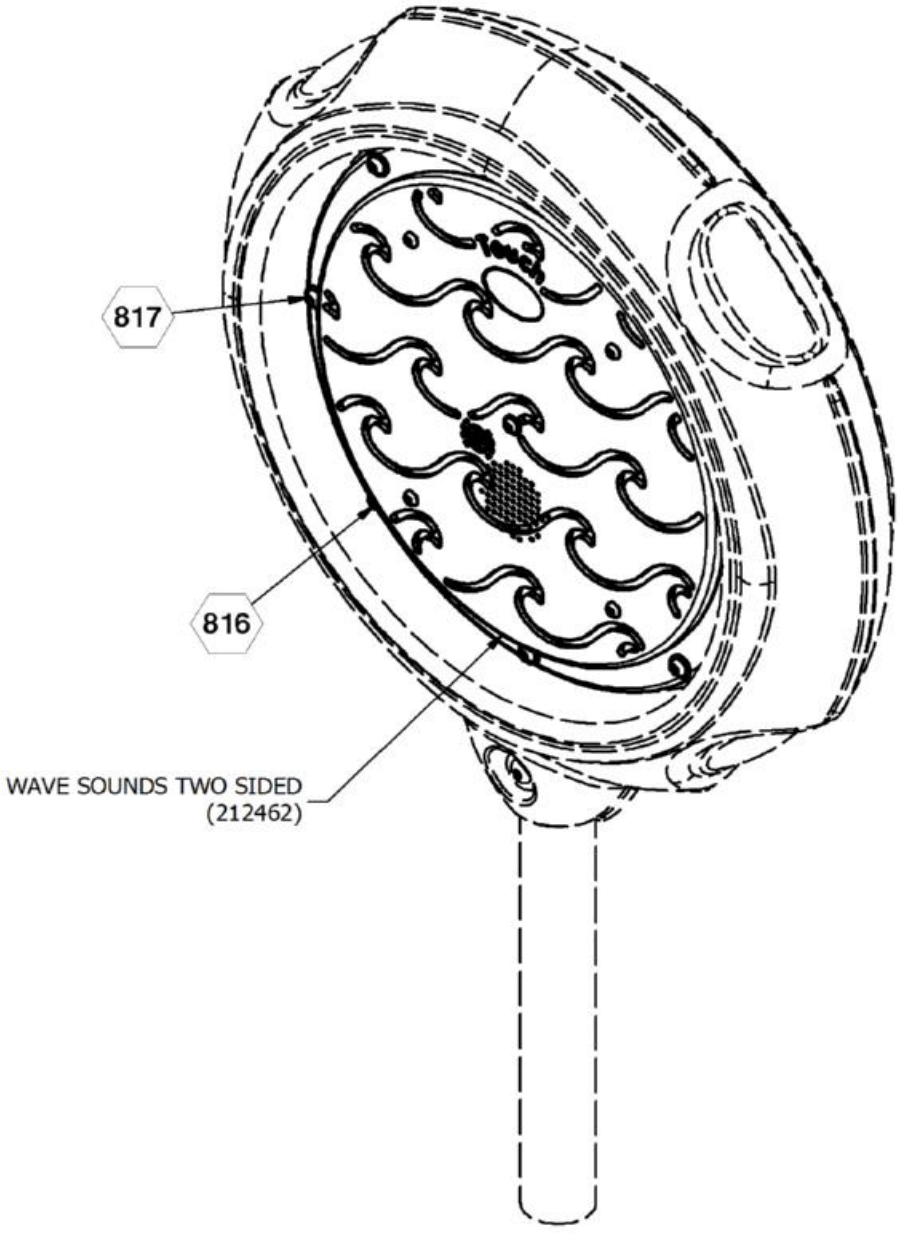
FINISHED ASSEMBLY
7345 SHOWN

⬡ = 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



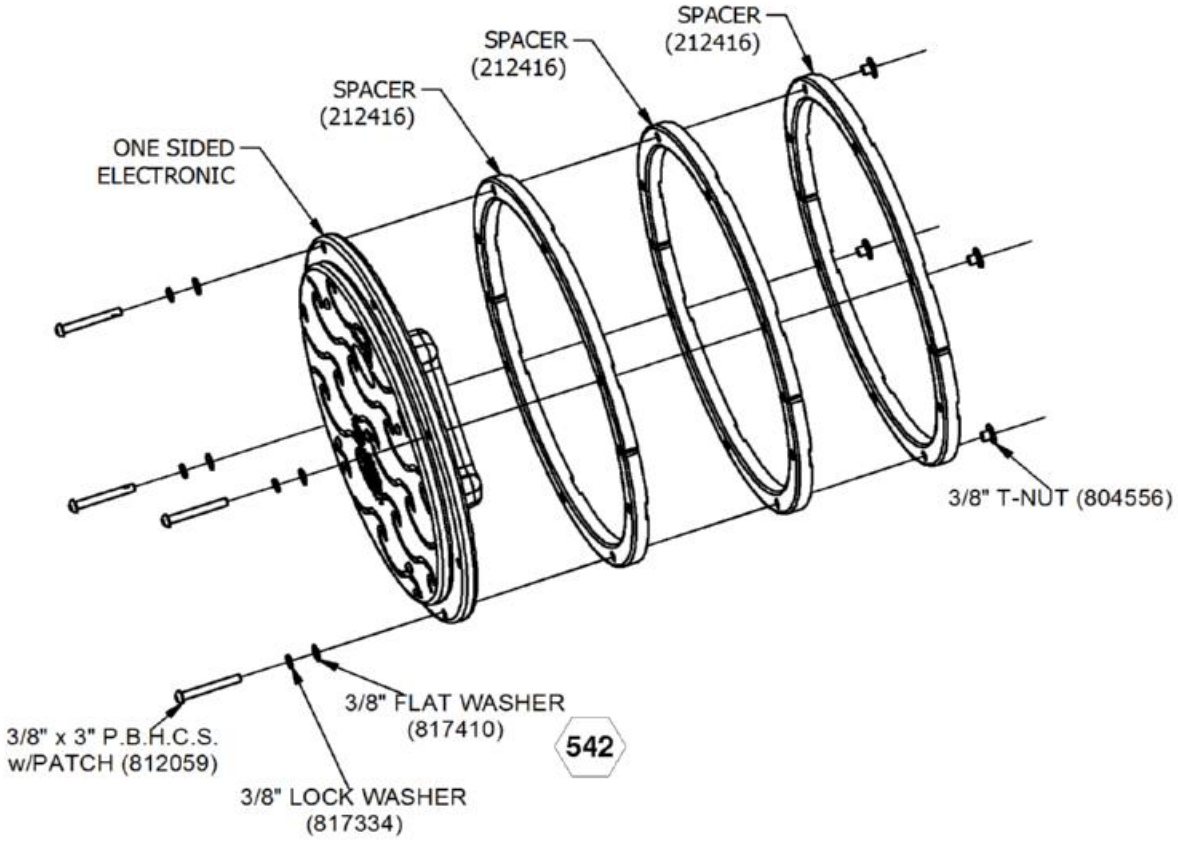
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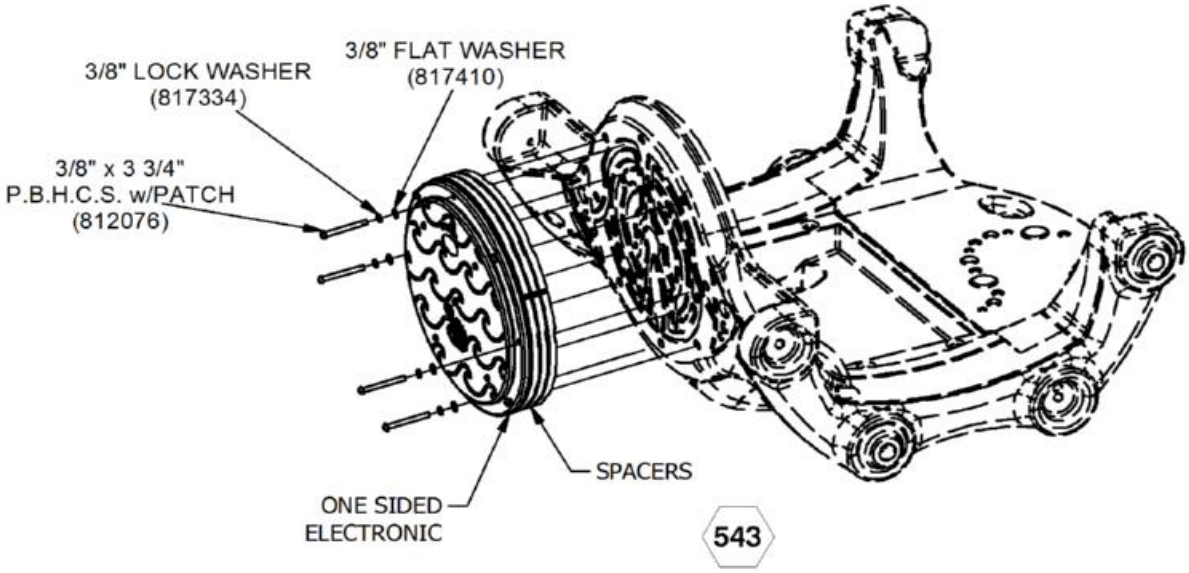
Issued/Revised: 2/2/2017

FINISHED ASSEMBLY
7346 SHOWN

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

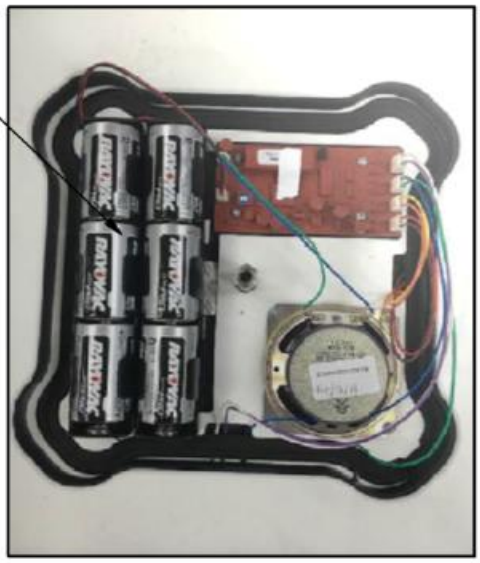
7345 20" ONE SIDED WATER WAVES w/ADAPTIVE SWITCH PORT
7346 20" TWO SIDED WATER WAVES w/ADAPTIVE SWITCH PORT





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

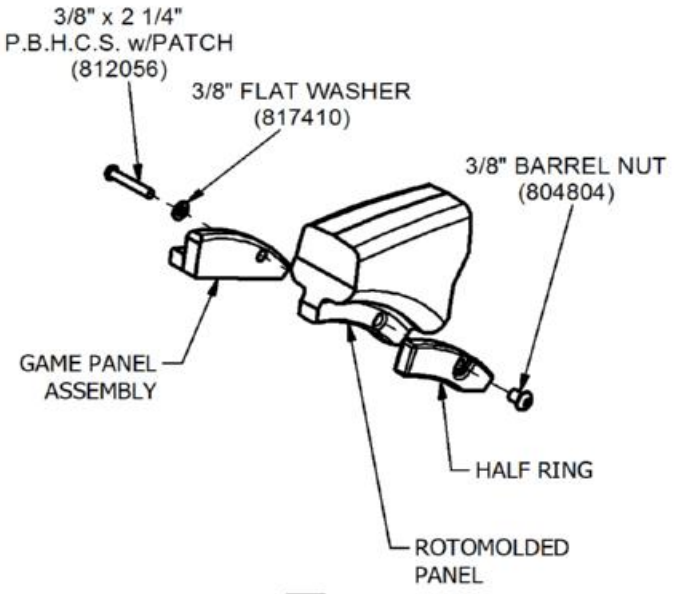
BATTERY REPLACEMENT
(6) D-CELL BATTERIES



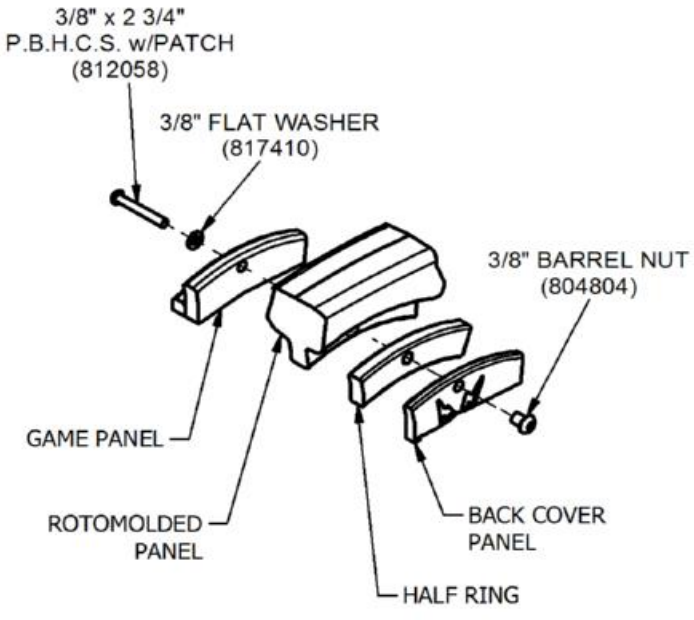
TO REPLACE BATTERIES OR ADJUST VOLUME REMOVE BACK OF BOX WITH TOOL PROVIDED.

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.

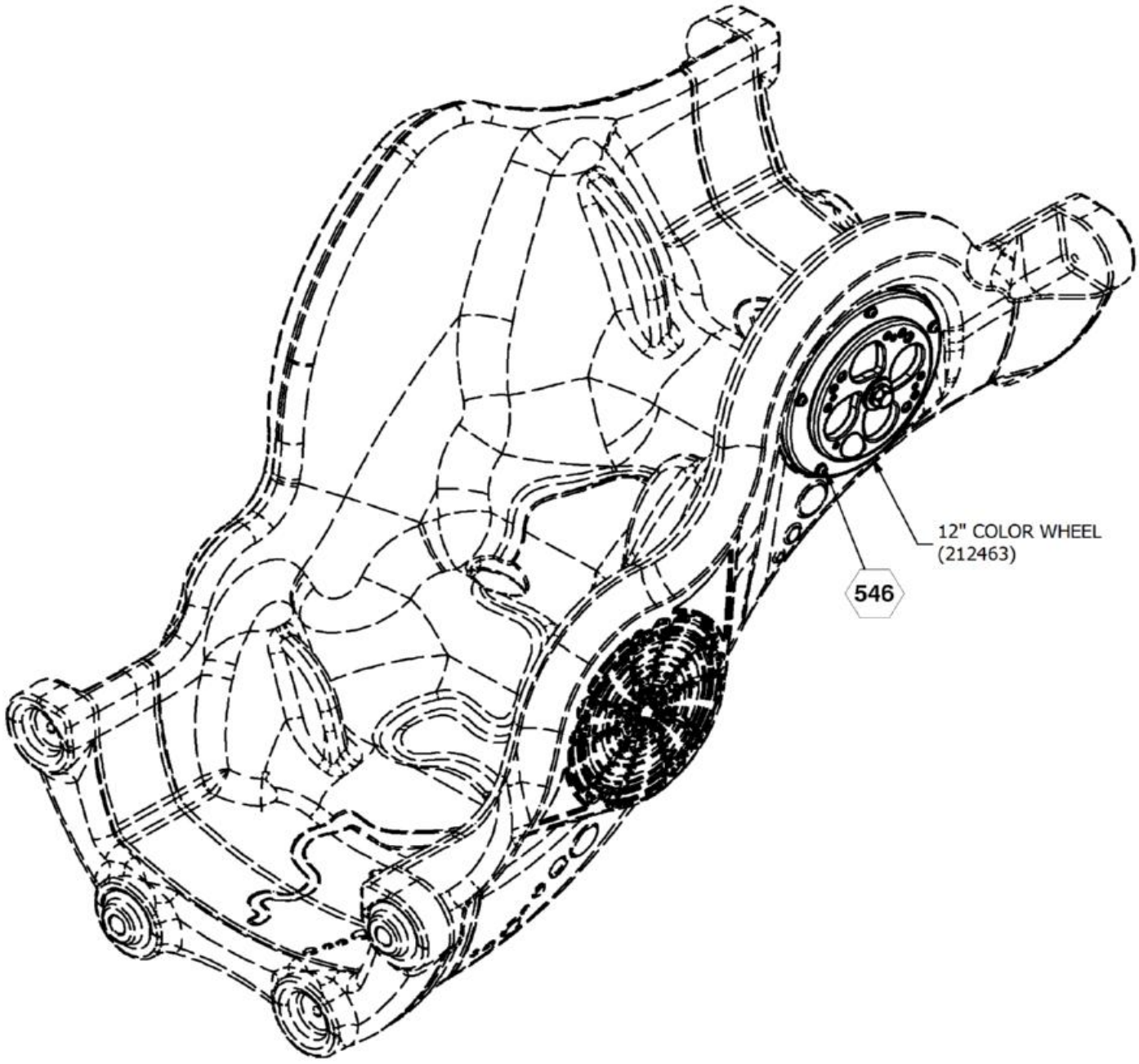
INSTALLATION INSTRUCTIONS:

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:

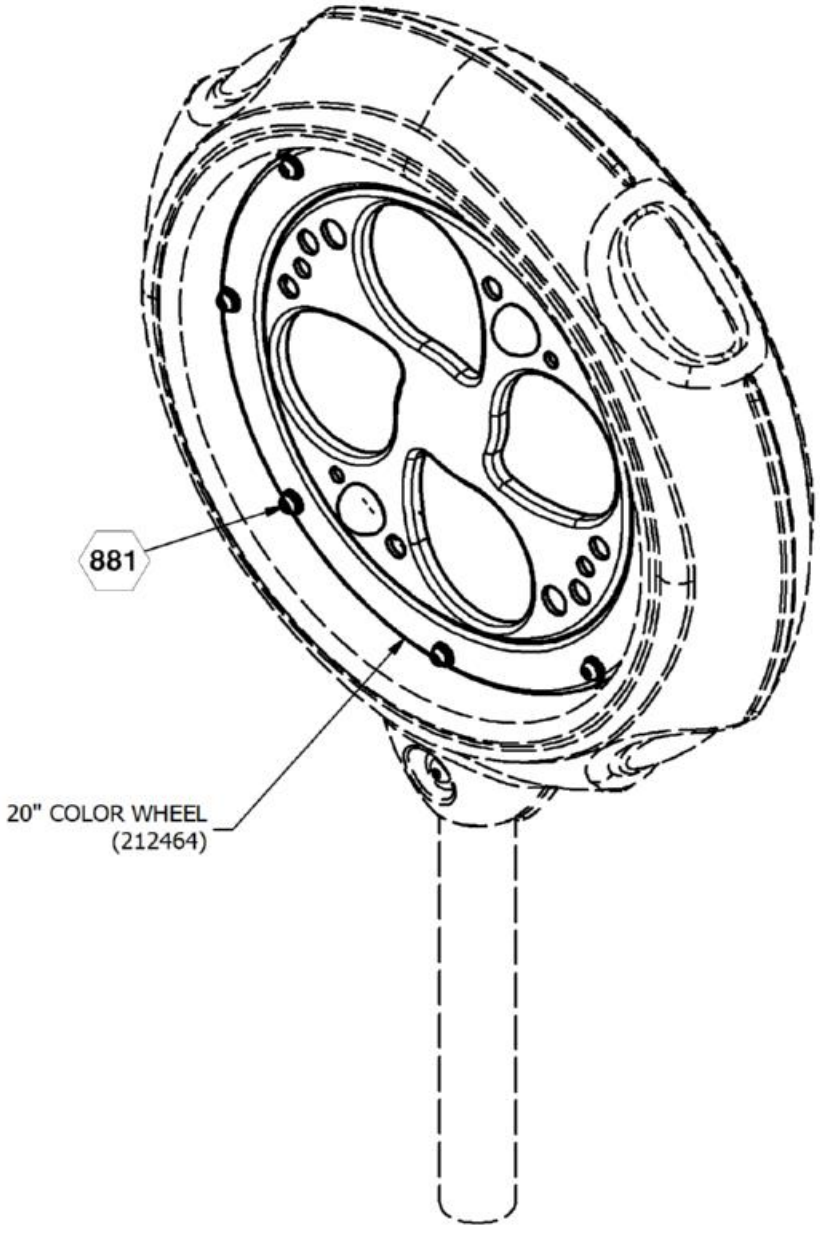
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7347 12" TWO SIDED COLOR WHEEL
7348 20" TWO SIDED COLOR WHEEL



FINISHED ASSEMBLY
7347 SHOWN

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



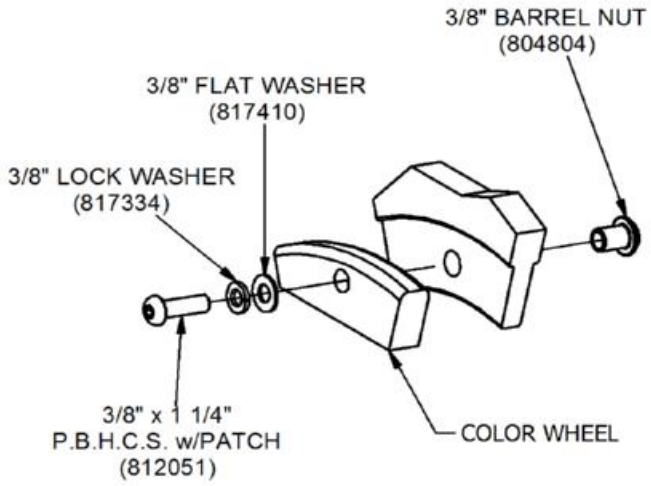
⬡ = INSTALLATION DETAIL

FINISHED ASSEMBLY
7348 SHOWN

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

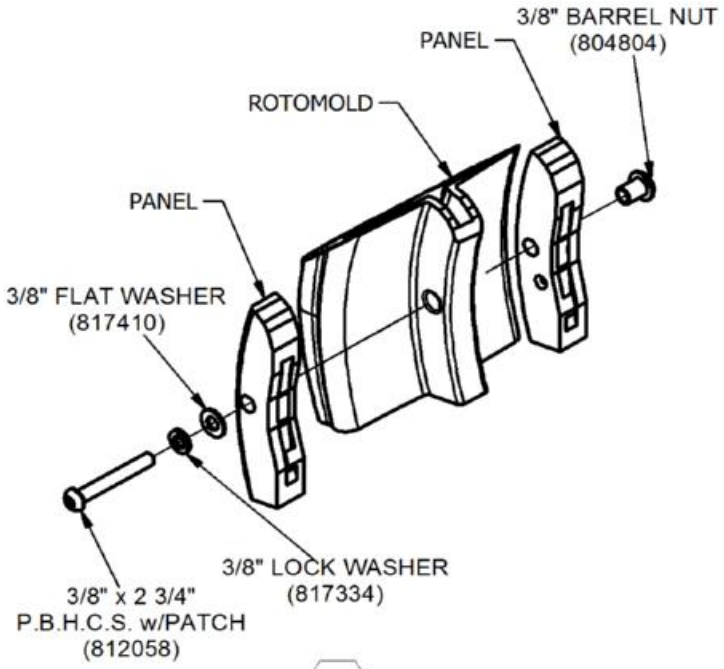
Issued/Revised: 2/2/2017

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



NOTE: DISCARD BARREL NUT FOR ROTOMOLD APPLICATION

546



881

7354 12" TWO SIDED RAIN
7355 20" TWO SIDED RAIN

Parts List			
DESCRIPTION	7354	7355	PART NUMBER
12" RAIN PANEL	1	0	212473
20" RAIN PANEL	0	1	212474
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:

Rain:
The Rain shall be fabricated from 1/2" high density polyethylene, 14 ga. Stainless steel, and 3/16" thick UV inhibitive acrylic with 4.5mm stainless steel balls.

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

7354 12" TWO SIDED RAIN
7355 20" TWO SIDED RAIN

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" Rain 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.

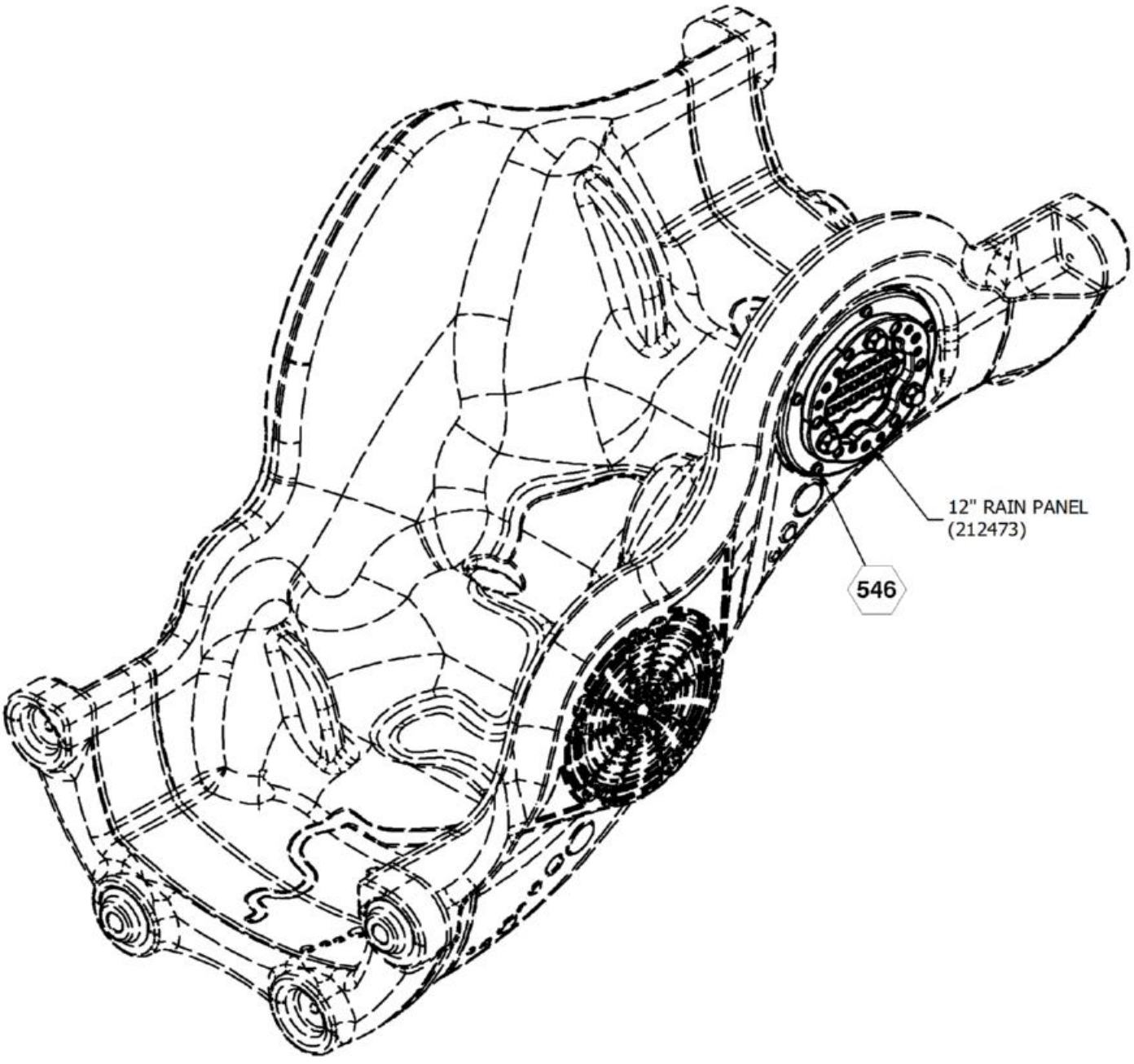
INSTALLATION INSTRUCTIONS:

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" Rain 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.

7354 12" TWO SIDED RAIN
7355 20" TWO SIDED RAIN

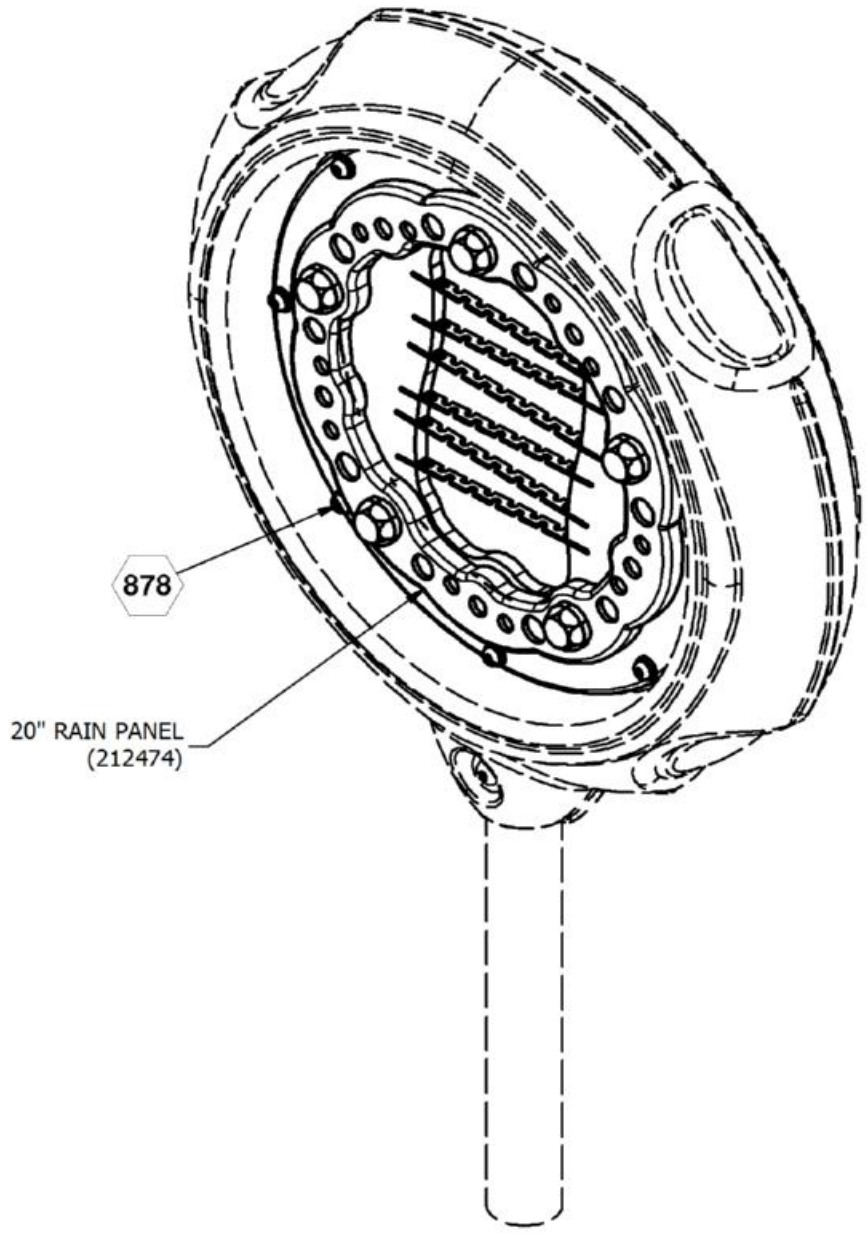


FINISHED ASSEMBLY
7354 SHOWN

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

7354 12" TWO SIDED RAIN
7355 20" TWO SIDED RAIN

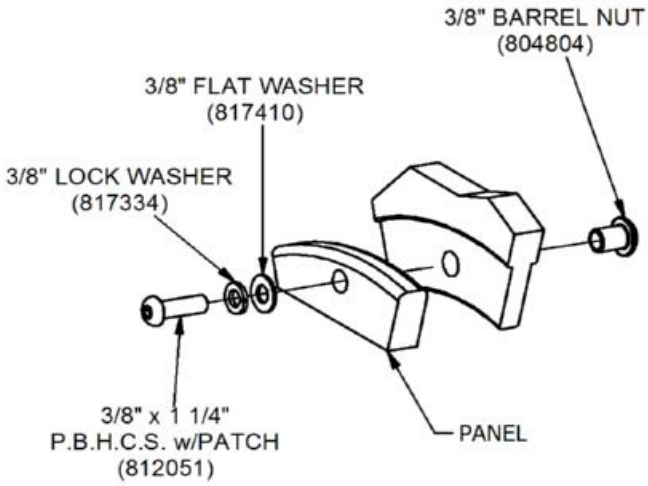


FINISHED ASSEMBLY
7355 SHOWN

⬡ = INSTALLATION DETAIL

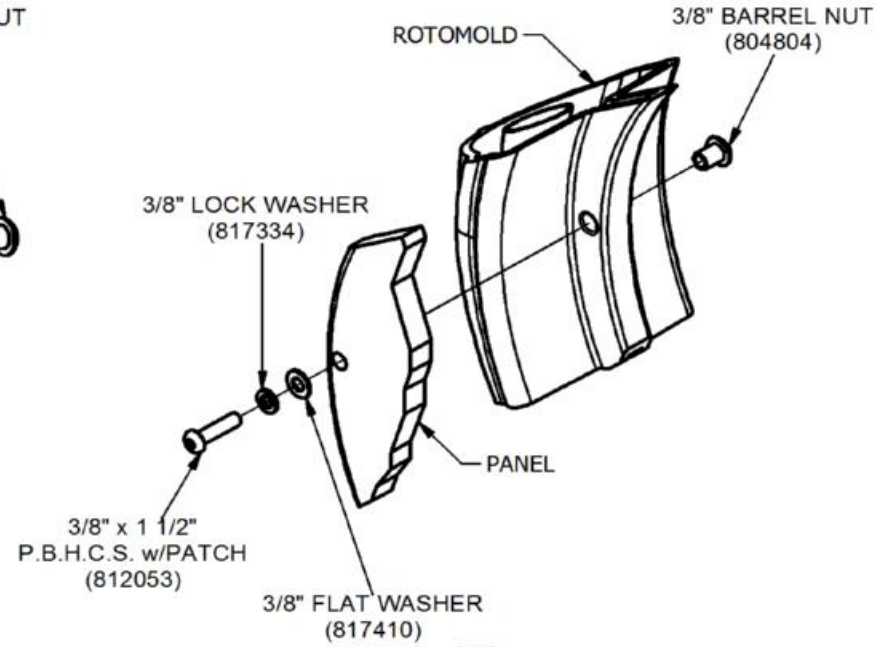
COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

7354 12" TWO SIDED RAIN
7355 20" TWO SIDED RAIN



NOTE: DISCARD BARREL NUT FOR ROTOMOLD APPLICATION

546



878

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.

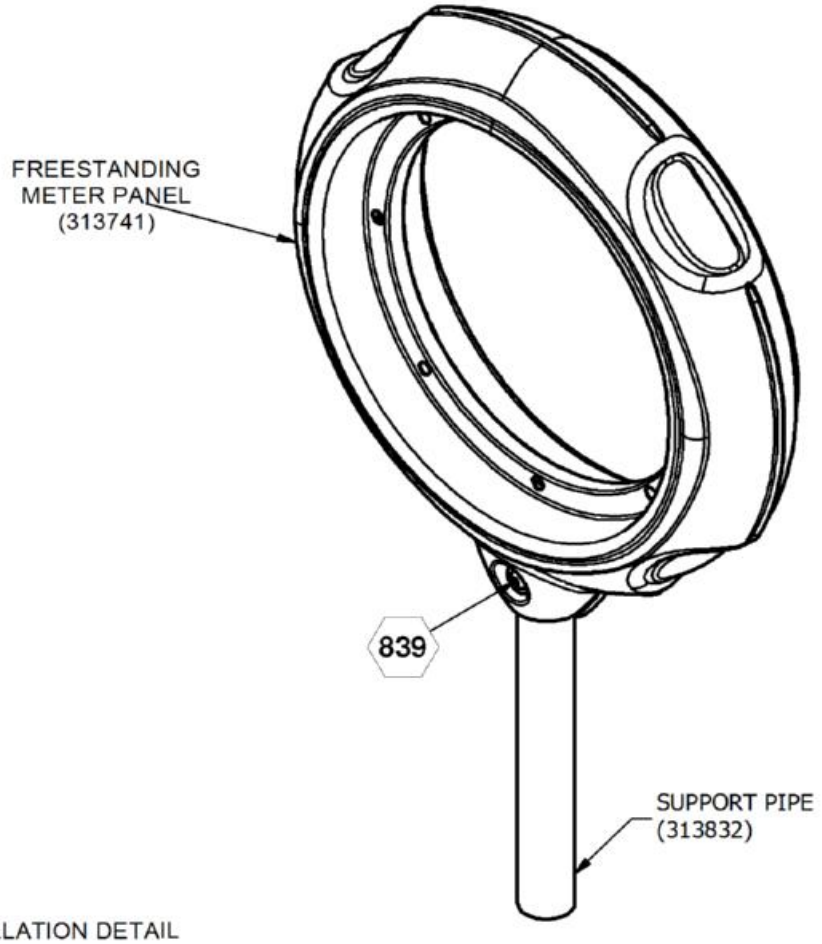
3. Plumb and level the entire assembly and tighten all fasteners.

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:

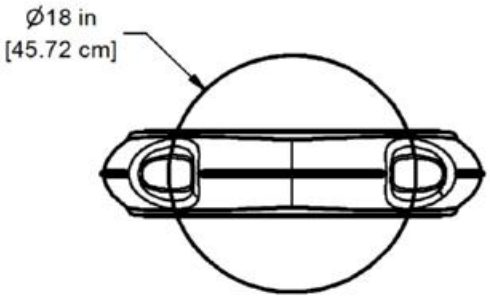
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check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

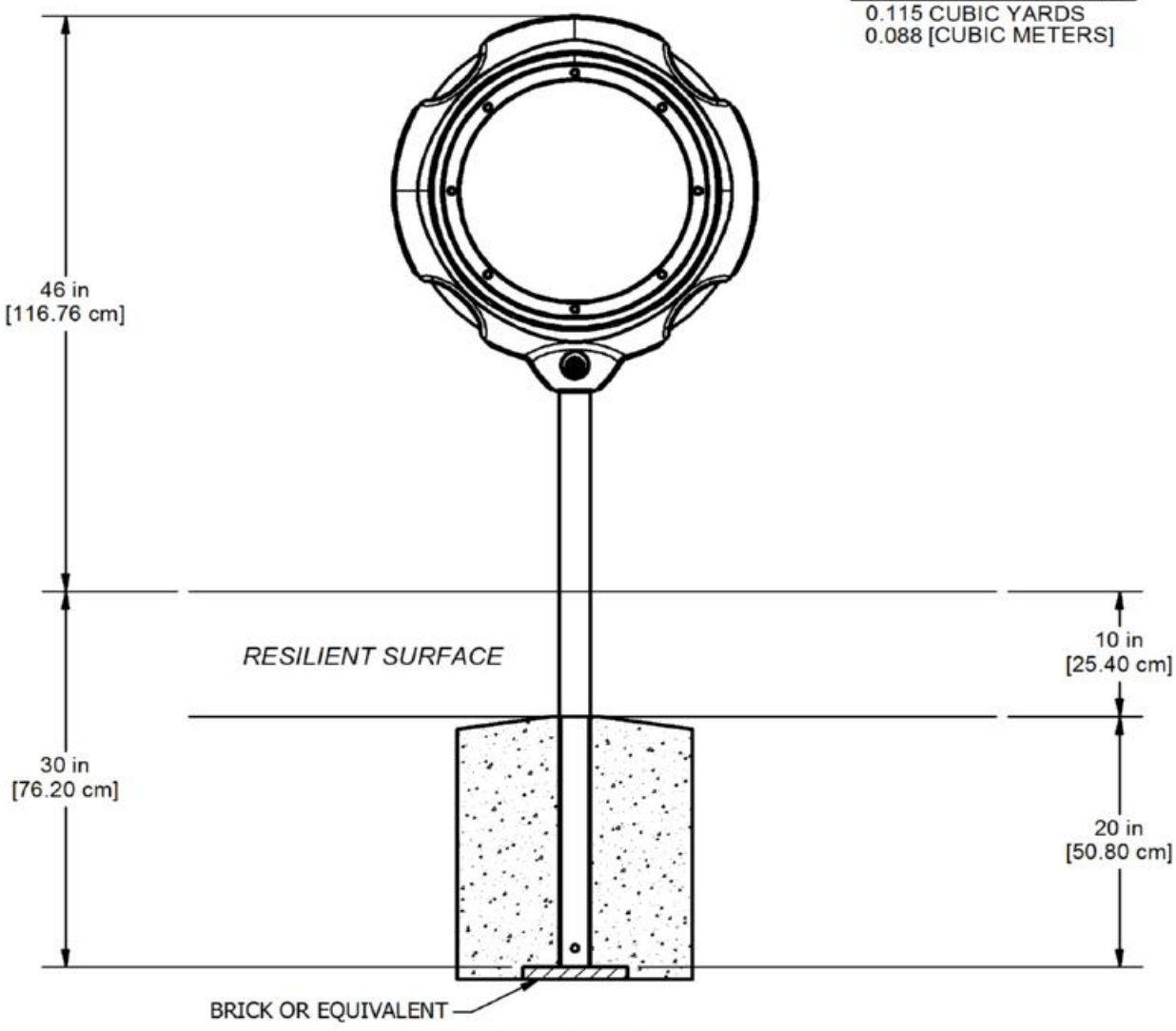
FINISHED ASSEMBLY

68115 ACTIVITY METER



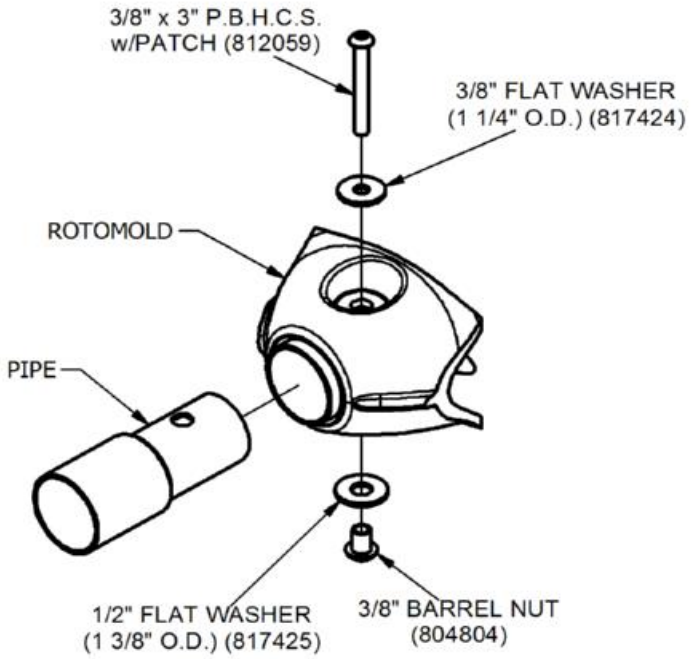
PLAN VIEW

CONCRETE REQUIRED
0.115 CUBIC YARDS
0.088 [CUBIC METERS]



ELEVATION VIEW

68115 ACTIVITY METER



839

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

65305 INCLUSIVE CAROUSEL

Parts List		
DESCRIPTION	QTY	PART NUMBER
HDPE SEAT	1	221471
WHEELSPIN BASE FRAME	1	221548
UPPER MAIN FRAME	1	**
LOWER MAIN FRAME	1	**
SKIRT COVER	3	**
SLEW RING BEARING	1	**
FLOOR QUADRANT	3	**
FLOOR QUADRANT ACCESS PLATE	1	**
FLOOR QUADRANT ACCESS CAP	1	**
REMOTE GREASING NIPPLE	1	**
5/16" DRILL BIT	1	**
M10 x 30mm CSK	40	**
M12 x 30mm	4	**
SELF DRILLING SCREW	16	**
EYE HOOK	4	**
WHIRL SEAT WELD ASSEMBLY	1	221715
PPS ORBIT BACKREST PANEL	1	317510
HARDWARE COMPLETE	1	221483
5/16" x 1/2" P.B.H.C.S. w/PATCH	10	812039
5/16" LOCK WASHER	10	817330
5/16" FLAT WASHER (11/16" O.D.)	10	817406
5/16" STAINLESS STEEL BARREL NUT	10	804813
3/8" LOCK WASHER	13	817334
3/8" FLAT WASHER	12	817410
3/8" BARREL NUT	13	804804
3/8" FLAT WASHER (1 1/4" O.D.)	13	817424
3/8" x 1" P.B.H.C.S. w/PATCH	13	812050

Unless Otherwise Specified, All Units of Measure are Each
**Items listed below Hardware Complete line are included with Hardware Complete Number*
*** INCLUDED IN BASE FRAME 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.

65305 INCLUSIVE CAROUSEL

INSTALLATION INSTRUCTIONS:

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.

DRAINAGE: If the ground does not drain naturally (water-impermeable), suitable drainage must be installed. In this case, the pit should be 5-7/8" deeper to allow a drainage pipe connected to a suitable outflow (e.g. the local sewerage system). After that, you disperse a combined frost protection and base layer on the whole area depth 5-7/8".

NOTE: Mark out an area for suitable surfacing. **REFER TO PAGE 6 ELEVATION VIEW.**

1. Dig compacted aggregate away from the four areas around the eye hooks according to Elevation View.
2. Determine where the Inclusive Carousel is to be installed. Refer to order Top View.
3. With appropriate heavy equipment, use lifting straps to place assembled Wheelspin Base Frame into footing hole. See Page 8.
4. Attach Whirl Seat Weld Assembly to Wheelspin Base Frame. See Detail 1380.
5. Attach HDPE Seat to Whirl Seat Weld Assembly. See Detail 1381.
6. Attach PPS Orbit Backrest Panel to Whirl Seat Weld Assembly. See Detail 1382.
7. Verify that the gap between "Point One" and "Point Two" does not create a finger entrapment. Ensure that this gap **DOES NOT EXCEED 5/16"** [8 mm]. See Page 9.
8. Plumb and level the entire assembly and tighten all fasteners.

GENERAL NOTES

1. Lifting assistance required.
2. Only use genuine spare parts.
3. Remove all installation equipment before first use.
4. Care must be taken under abnormal conditions to ensure sufficient foundation depth is available.
5. Inclusive Carousel must be installed into level ground.

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.

65305 INCLUSIVE CAROUSEL

ROUTINE VISUAL AND OPERATIONAL INSPECTIONS

1. Carried out every 3 months. The frequency of inspection will vary depending upon the type of equipment or material used and other factors such as: Heavy use, vandalism, coastal location, air pollution, and age of equipment.
2. Check general structural integrity and for any loose hardware and tighten if necessary.
3. Check paint work for damage, touch up if required.
4. Check for excessive wear on any parts.
5. Listen for any abnormal noise from bearing during rotation of unit.
6. Check surfacing for excessive wear or damage.
7. If subject to heavy use or vandalism, daily inspection is recommended by: checking for loose or dangerous parts, clearances, ground surfaces, sharp objects, missing parts, excessive wear, and cleanliness of equipment on site.

MAIN INSPECTION

1. Carried out annually.
2. Close off surrounding area to create safe environment during maintenance and apply warning signs.
3. Remove Whirl Seat Weld Assembly.
4. Remove Floor Quadrants.
5. Check bearing for excessive wear and replace if required.
6. Apply a good quality waterproof grease to bearing at all grease points.
7. Refit Floor Quadrants and replace any bolts if damaged.
8. Refit Whirl Seat Weld Assembly.
9. Check for smooth operation.

CRITICAL FINAL CHECKS

REFER TO PAGE 9 FOR PROBE CHECK VIEW AND CRITICAL FINAL CHECK NOTES.

NOTE: Ensure the rotation of the Whirl runs smoothly and check that all hardware is secured tightly.

Slowly rotate the Whirl while using the "Probe" (5/16" Drill Bit) to ensure the gap between **"Point One"** and **"Point Two" DOES NOT EXCEED** 5/16" [8 mm] anywhere along the **"Outer Gap".**

BEARING MAINTENANCE

REFER TO PAGE 10 FOR BEARING MAINTENANCE VIEWS.

STEP 1: Inspection hatch is located under seat and attached by four security screws.

STEP 2: Fill the grease gun with waterproof grease tube and attach the grease gun to the nipple.

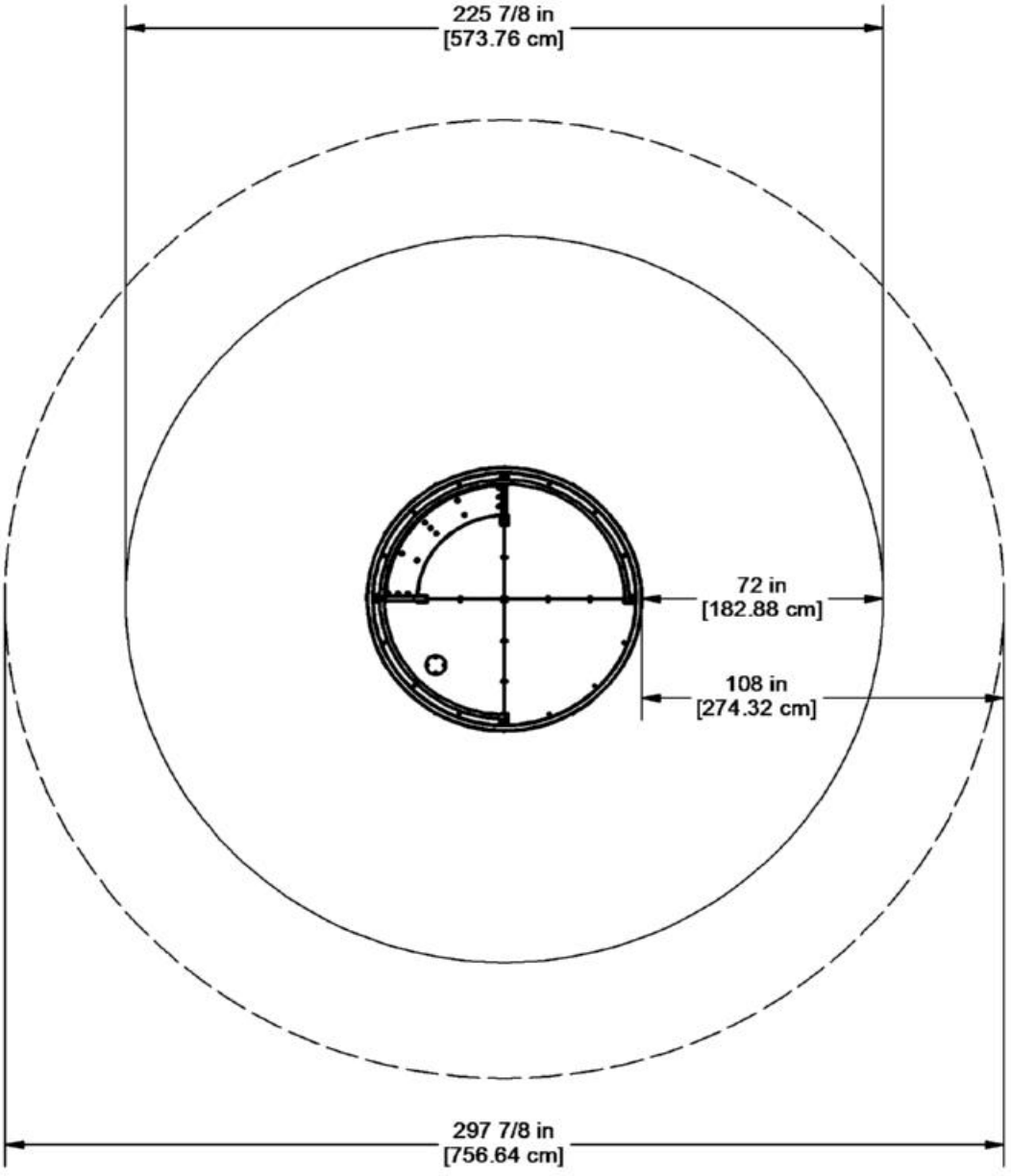
STEP 3: Pump the grease gun while slowly rotating the Whirl.

STEP 4: Continue to do this until the grease gun is empty.

STEP 5: Spin the Whirl for a few minutes to allow the grease to settle into the bearing.

STEP 6: Ensure the inspection hatch is put securely back in place.

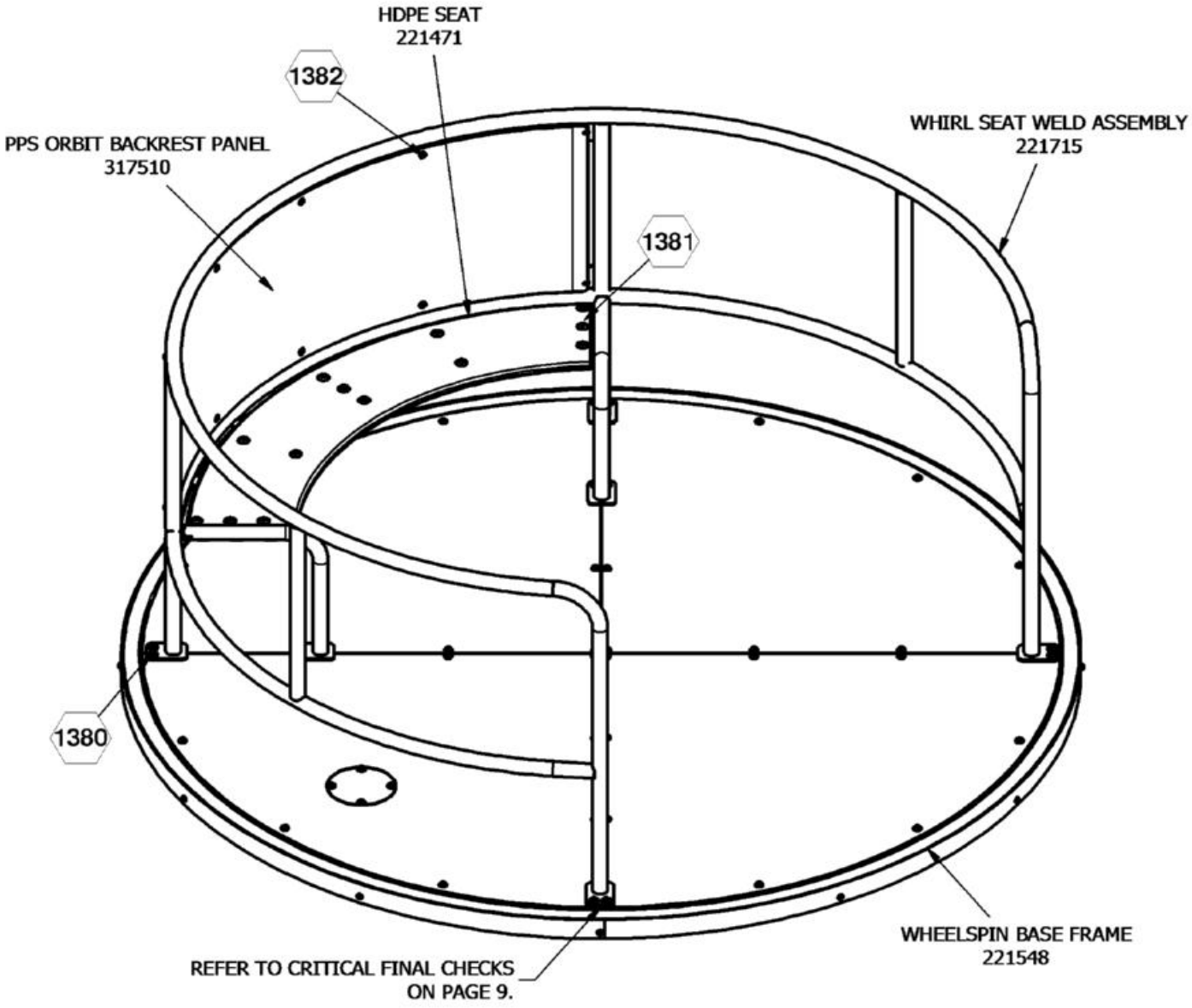
65305 INCLUSIVE CAROUSEL



USE ZONE

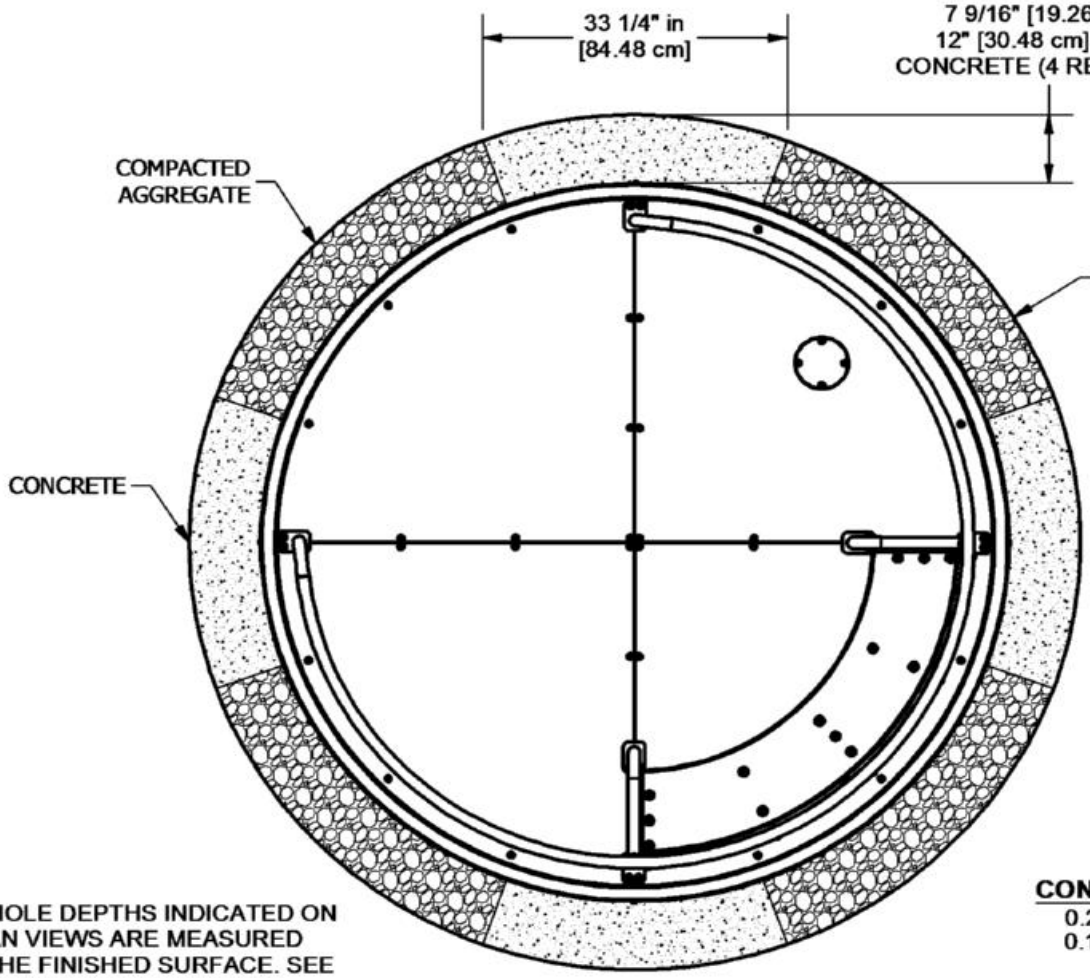
NOTES:
1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1292 AND ASTM F-1487 (U.S.) or CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE FOR INCLUSIVE WHIRL SHOWN.
3. DASHED LINES REPRESENT CSA NO-ENCROACHMENT ZONE (CANADA ONLY).

65305 INCLUSIVE CAROUSEL



= INSTALLATION DETAIL

65305 INCLUSIVE CAROUSEL
STEP 1



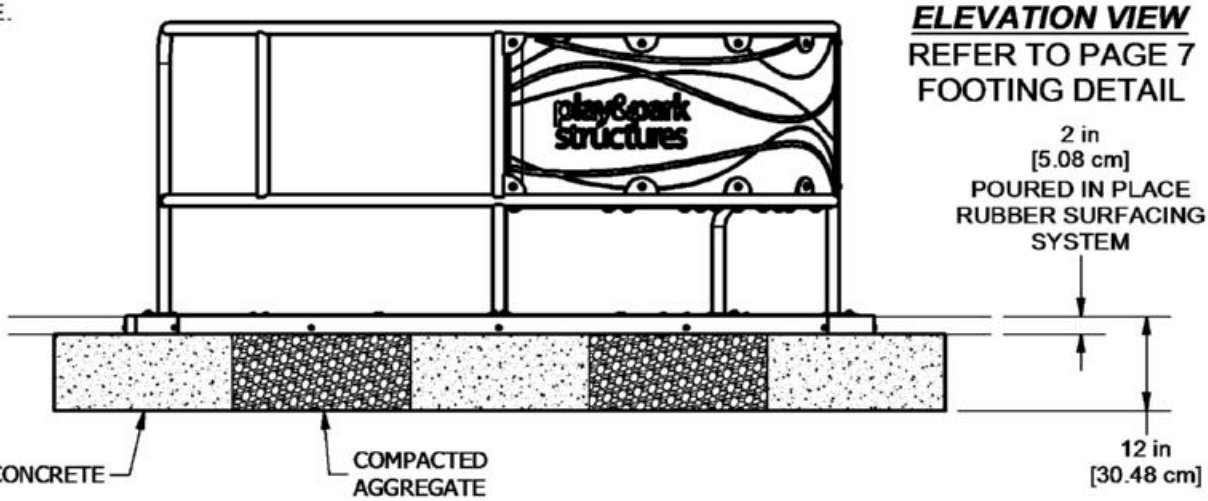
PLAN VIEW

NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

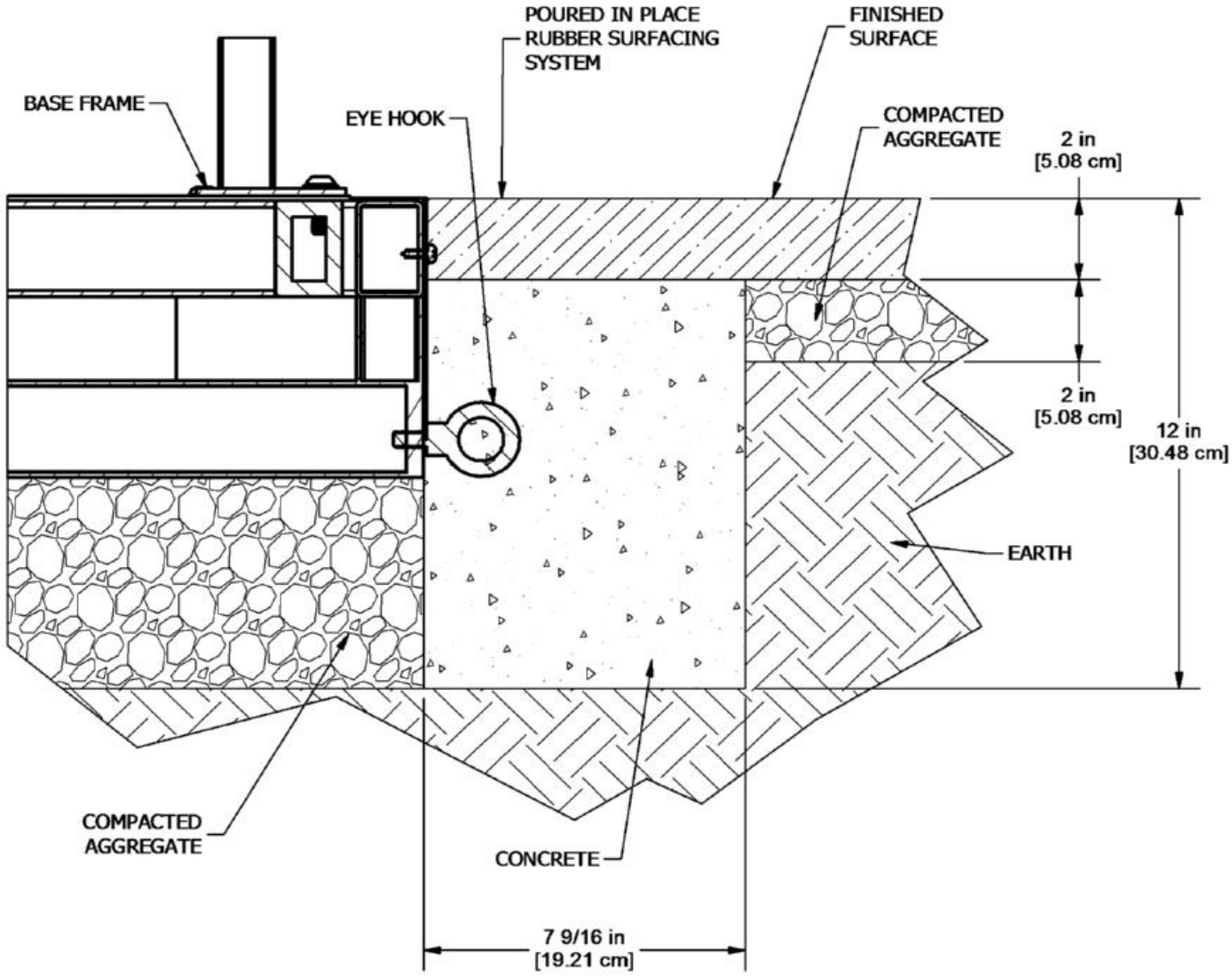
CONCRETE REQUIRED
0.22 CUBIC YARDS
0.16 [CUBIC METERS]

ELEVATION VIEW

REFER TO PAGE 7
FOOTING DETAIL

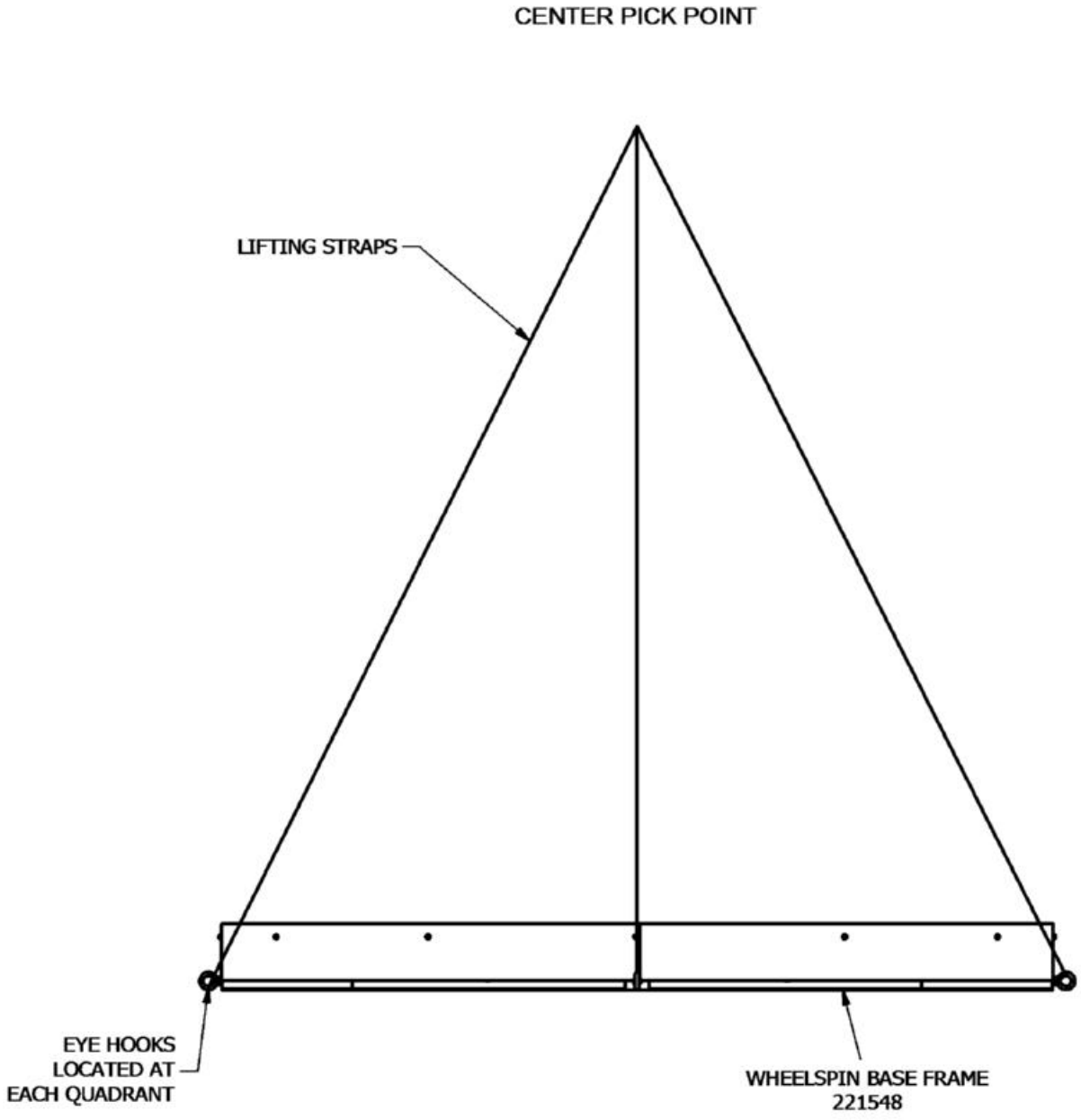


65305 INCLUSIVE CAROUSEL



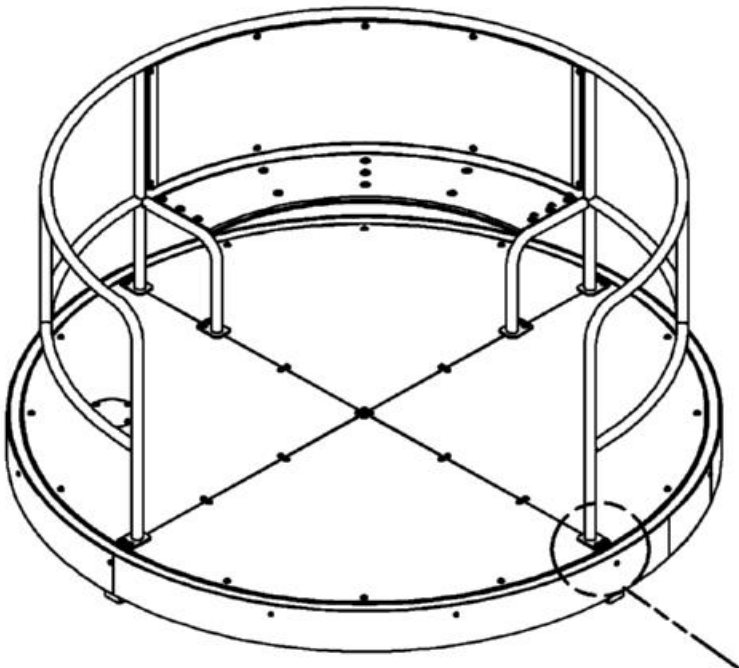
FOOTING DETAIL

65305 INCLUSIVE CAROUSEL
STEP 2



LIFTING ASSEMBLY VIEW

65305 INCLUSIVE CAROUSEL

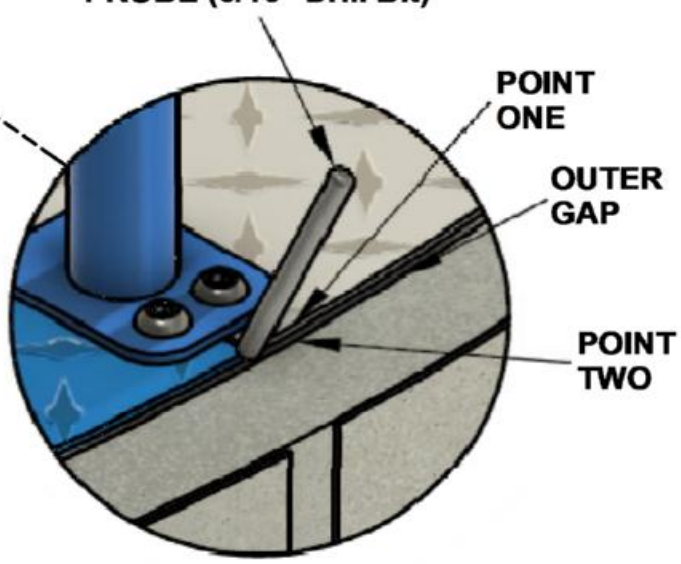


PROBE CHECK VIEW

CRITICAL FINAL CHECKS

Following installation, it is vital that final checks are carried out.

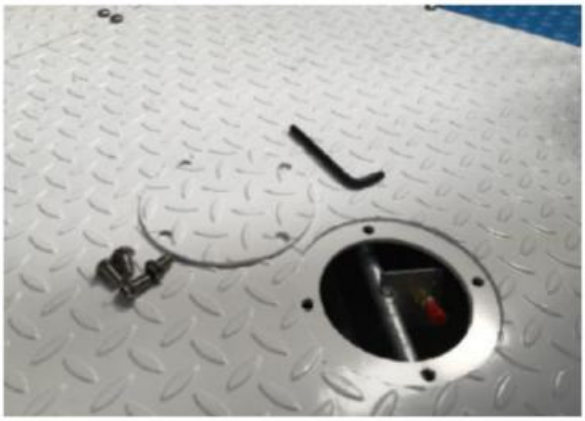
1. Ensure the rotation of the Carousel runs smoothly.
2. Check that all hardware is secured tightly.
3. Slowly rotate the Carousel while using the "Probe" (5/16" Drill Bit) to ensure the gap between **"Point One"** and **"Point Two"** **DOES NOT EXCEED** 5/16" [8 mm] anywhere along the **"Outer Gap".**



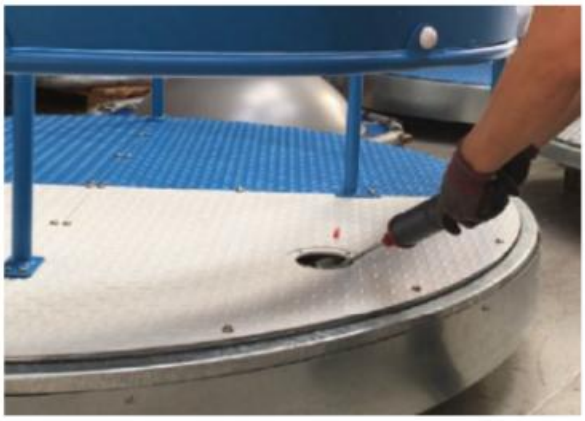
CAROUSEL ADJUSTMENTS (ONLY IF REQUIRED)

1. Adjustments can be carried out by loosening the hardware on the Floor Quadrants and adjusting the position of the Floor Quadrants where necessary. This will help reduce any gaps along the Outer Gap that may exceed 5/16" [8mm].
2. Further alterations can be carried out by adjusting the top section placement of the Bearing. To do this, remove the Top Frame and Floor Quadrants and loosen the hardware connecting the Top Frame to the Bearing. This will allow you to make any slight adjustments to the Top Frame.
3. Once complete, tighten the inner section and then reattach the Floor Quadrants and Whirl Seat Weld Assembly. Ensure the gap does not exceed 5/16" [8mm] anywhere along the Outer Gap. Ensure all hardware is secured tightly.

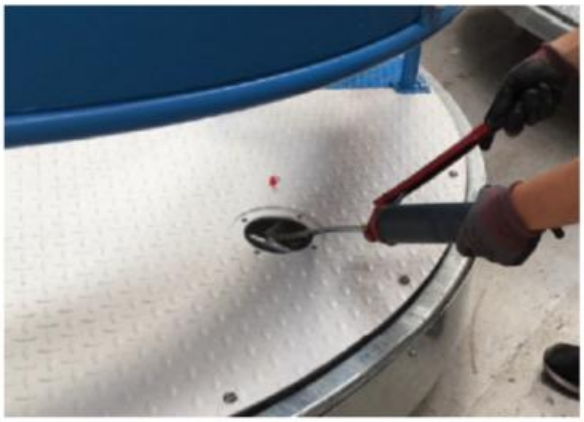
BEARING MAINTENANCE



STEP 1
INSPECTION HATCH IS LOCATED UNDER SEAT AND ATTACHED BY FOUR SECURITY SCREWS.



STEP 2
FILL THE GREASE GUN WITH WATERPROOF GREASE TUBE AND ATTACH THE GREASE GUN TO THE NIPPLE.



STEP 3
PUMP THE GREASE GUN WHILE SLOWLY ROTATING THE WHIRL.



STEP 4
CONTINUE TO DO THIS UNTIL THE GREASE GUN IS EMPTY.

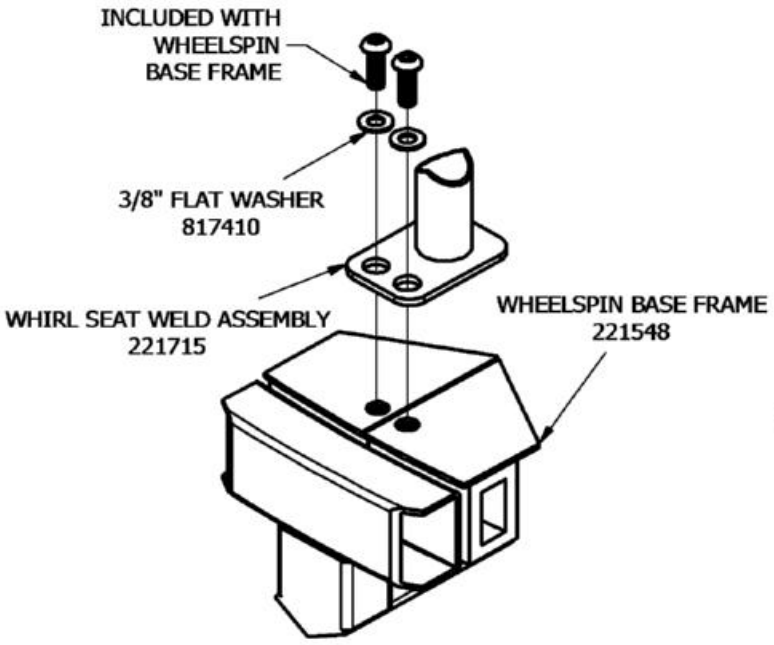


STEP 5
SPIN THE WHIRL FOR A FEW MINUTES TO ALLOW THE GREASE TO SETTLE INTO THE BEARING.

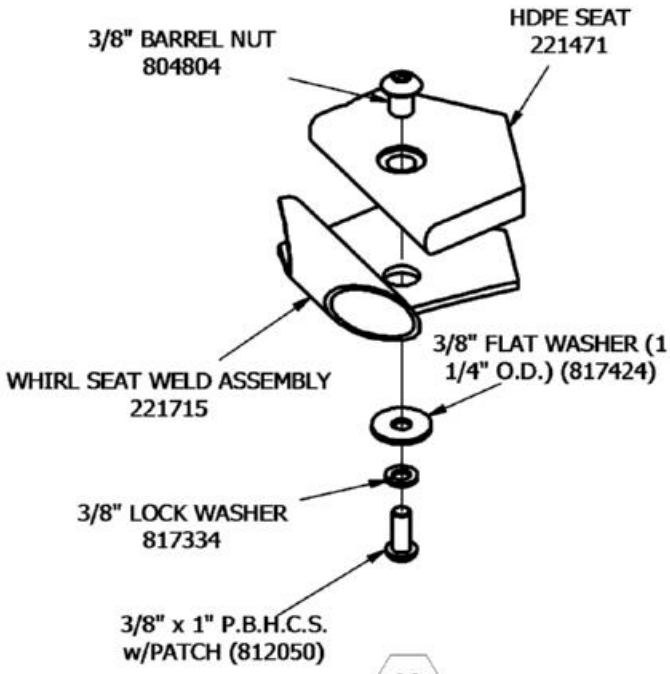


STEP 6
ENSURE THE INSPECTION HATCH IS PUT SECURELY BACK IN PLACE.

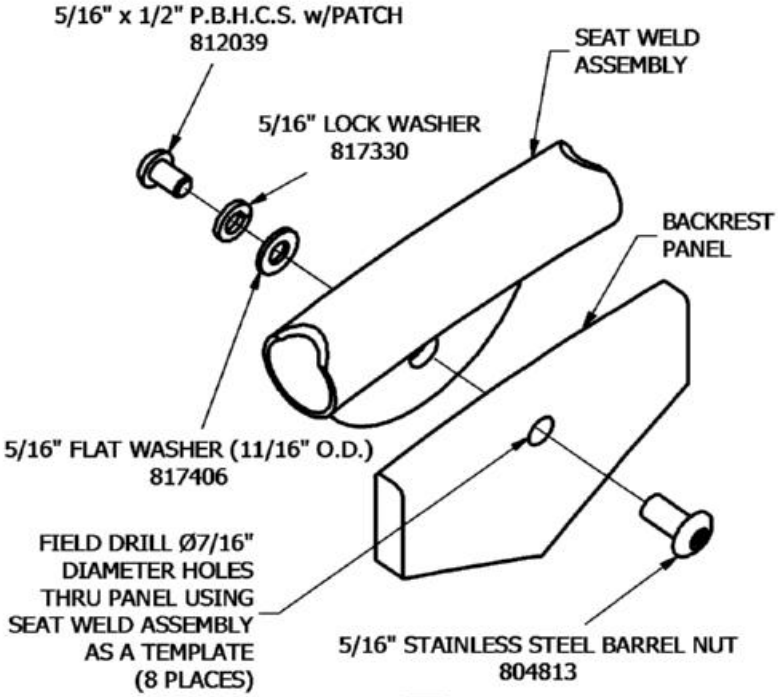
65305 INCLUSIVE CAROUSEL



1380



1381



1382

67950 ROCK DUO

Parts List		
DESCRIPTION	QTY	PART NUMBER
BOTTOM SUPPORT	5	309623
CLIMBER ASS'Y	1	309712
ANGLED ROCK PIPE	1	309725
RAPPELLING ROCK PIPE ASS'Y	1	309729
RAPPELLING ROCK CABLE ASS'Y	1	314597
RAPPELING ROCK CABLE BRACKET	2	314601
ANGLED ROCK	1	314610
RAPPELLING ROCK	1	314611
HARDWARE COMPLETE	1	314629
BLUE HANDHOLD	6	314591
YELLOW HANDHOLD	11	314592
GREEN HANDHOLD	12	314593
1/4" BARREL NUT	2	804809
5/16" x 1/2" S.S. SHOULDER BOLT	2	802740
3/8" x 3/4" P.B.H.C.S. w/PATCH	6	812052
3/8" x 1" P.B.H.C.S. w/PATCH	34	812050
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	29	812051
3/8" x 3 1/2" P.B.H.C.S. w/PATCH	4	812075
3/8" BARREL NUT	4	804804
3/8" LOCK WASHER	73	817334
3/8" FLAT WASHER	14	817410
3/8" FLAT WASHER (1 1/4" O.D.)	24	817424

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:

Bottom Support:
Shall be an all welded construction fabricated from 2" x 2" x 1/4" hot rolled angle and 1/4" x 2" hot rolled flat steel tab. The Bottom Support shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

Climber Ass'y:
Shall be an all welded construction fabricated from 1.66" O.D. (14ga.) galvanized steel tubing and 1.029" O.D. (15ga) galvanized steel tubing. The Climber shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

67950 ROCK DUO

Angled Rock Pipe and Rappelling Rock Pipe Ass'y:
Shall be an all welded construction fabricated from 1.66" O.D. (14ga.) galvanized steel tubing, 1.315" O.D. (14ga.) galvanized steel tubing, and 1/4" x 4" hot rolled flat steel tab.The Angled Rock Pipe and Rappelling Rock Pipe Ass'y shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

Rappelling Rock Cable Ass'y:
Cable shall be 19mm diameter UV protected polyimide (nylon) rope cable with a calculated breaking load greater than or equal to 79.82kN: 6 strands each containing 19 steel reinforcing (0.4mm) steel strands each end of the cable having an almag 35 aluminum machined tab casting.

Climber Ass'y:
Shall be an all welded construction fabricated from 1.66" O.D. (14ga.) galvanized steel tubing and 1.029" O.D. (15ga) galvanized steel tubing. The Climber Ass'y shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

Rappelling Rock Cable Bracket:
Shall be an all welded construction fabricated from 3/8" Laser Cut Plate and 3/8" Laser Cut Tab. The Rappelling Rock Cable Bracket shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

Rappelling Rock and Angled Rock:
Shall be 3/8" wall thickness double wall construction, color impregnated linear low density polyethylene and shall conform to the rotationally molded specifications outlined herein. 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).

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 D3363), 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 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.

67950 ROCK DUO

INSTALLATION INSTRUCTIONS:

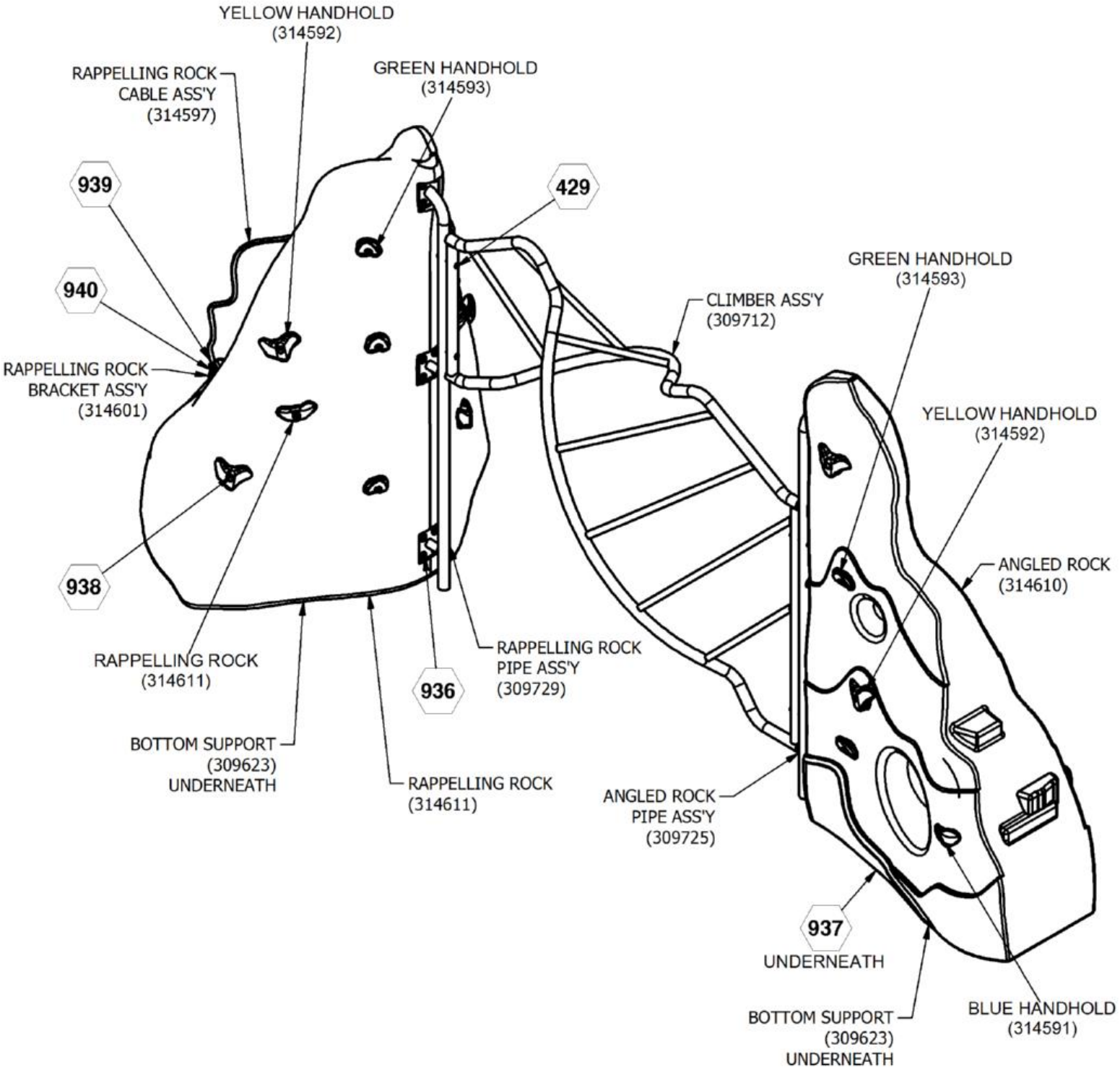
1. Dig footing holes as shown in Plan and Elevation Views.
2. Attach Blue, Yellow, and Green Handholds to the Angled and Rappelling Rock using 3/8" x 1 1/4" P.B.H.C.S. w/Patch and 3/8" Lock Washer. See Detail 938.
3. Attach the Bottom Support to bottom of Angled and Rappelling Rocks using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. See Detail 937.
4. Attach Rappelling Rock Cable Ass'y to Rappelling Rock Cable Bracket using 5/16" x 1/2" S.S. Shoulder Bolt and 1/4" Barrel Nut. See Detail 939.
5. Attach Rappelling Rock Cable Bracket to Rappelling Rock using 3/8" x 3/4" P.B.H.C.S. w/Patch and 3/8" Lock Washer. See Detail 940.
6. Attach the Angled Rock Pipe and Rappelling Rock Pipe Ass'y to the side of the Rappelling Rock using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer (1 1/4" O.D.). See Detail 936.
7. Attach the Climber Ass'y to the Angled Rock Pipe Ass'y and the Rappelling Rock Pipe Ass'y using 3/8" x 3 1/2" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer and 3/8" Barrel Nut. See Detail 429.
8. Plumb and level the entire assembly and tighten all fasteners. ***Important:*** *Check tightness of all hardware and tighten if necessary.*
9. 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.
10. 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.

ParkPlay Free Standing

67950 ROCK DUO



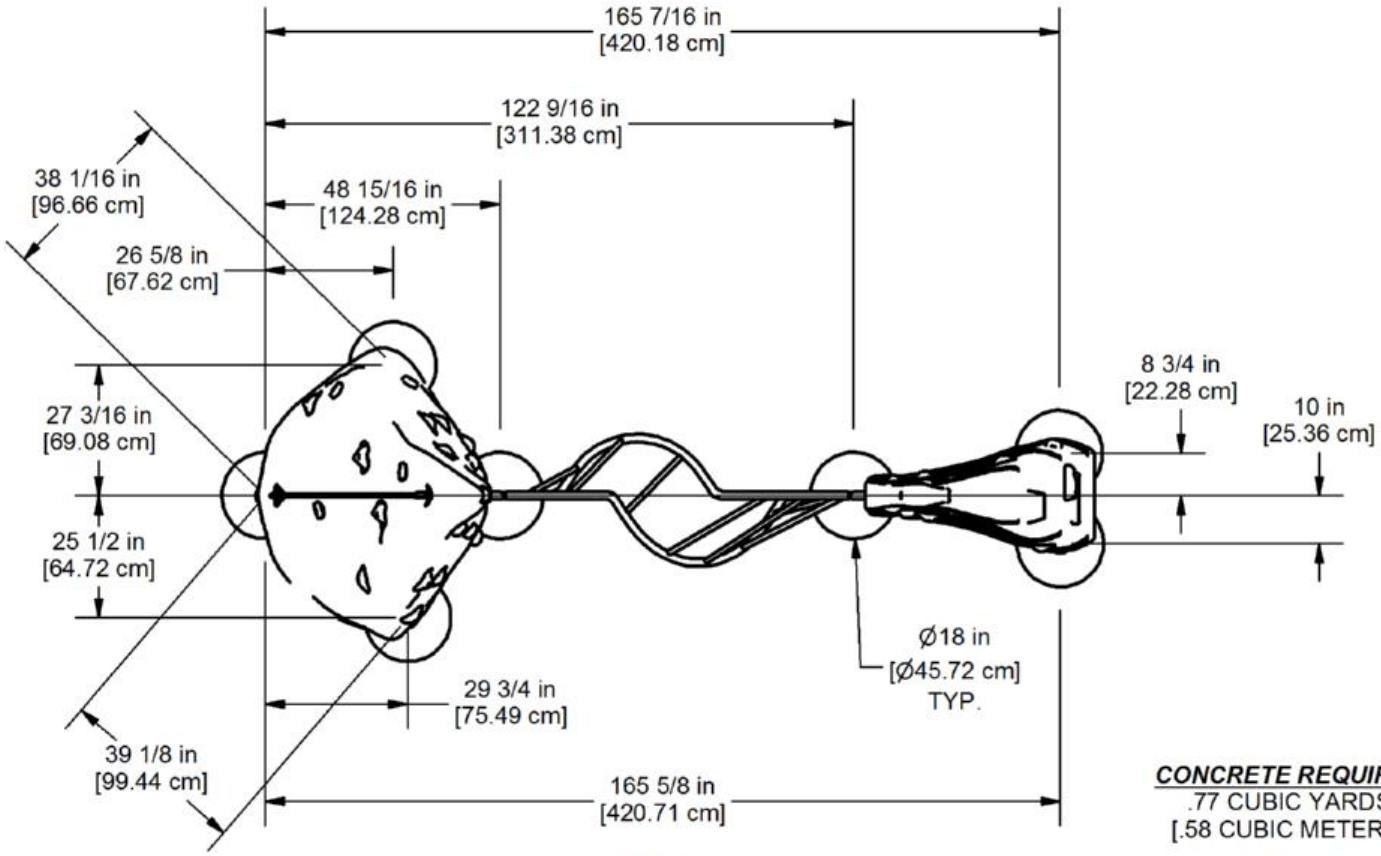
= INSTALLATION DETAIL

FINISHED ASSEMBLY

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

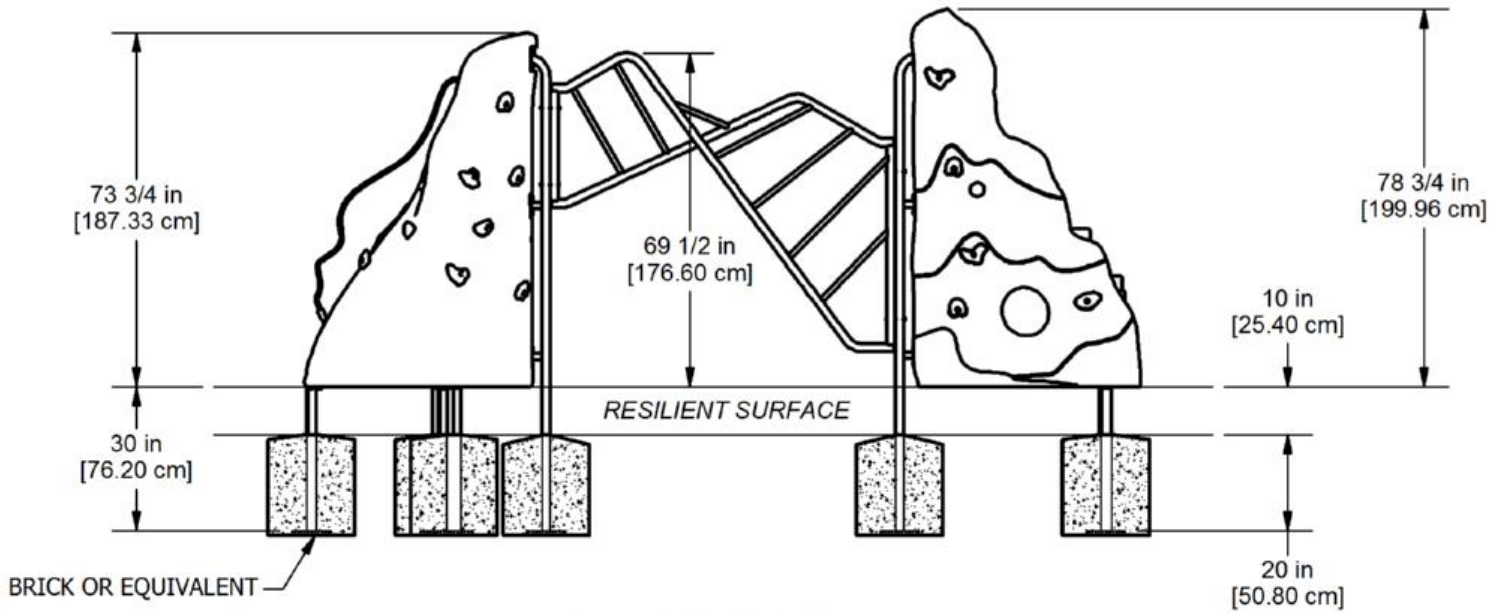
Issued/Revised: 4/9/2018

67950 ROCK DUO



CONCRETE REQUIRED
.77 CUBIC YARDS
[.58 CUBIC METERS]

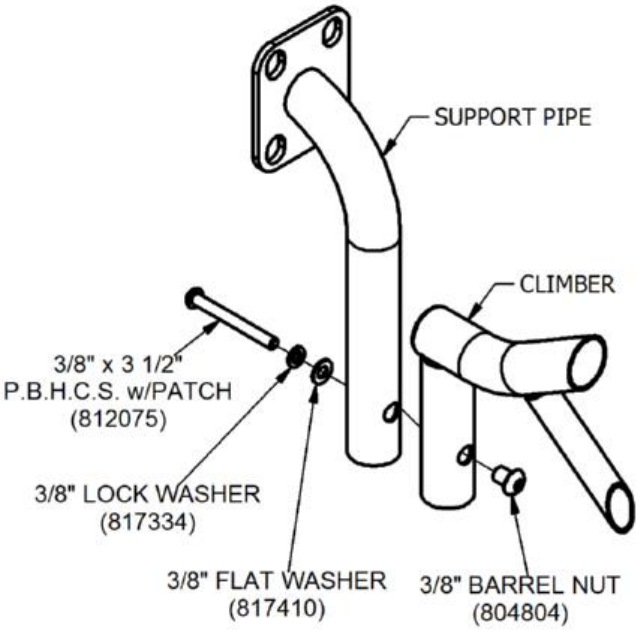
PLAN VIEW



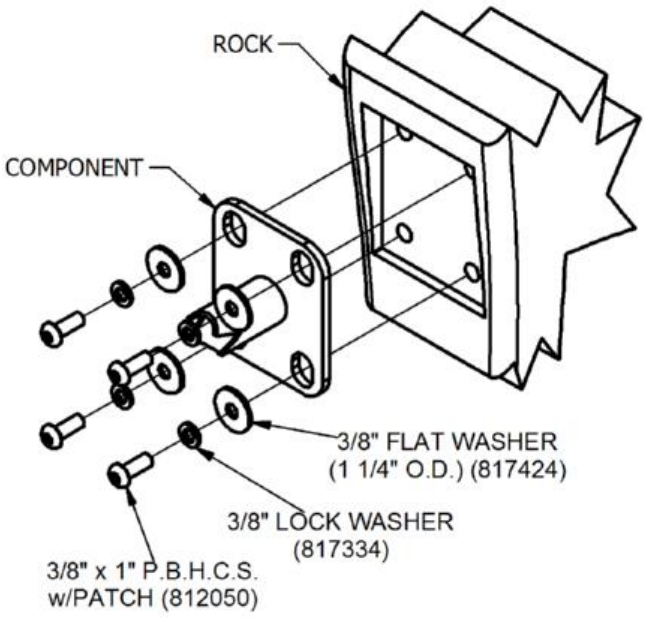
ELEVATION VIEW

Issued/Revised: 4/9/2018

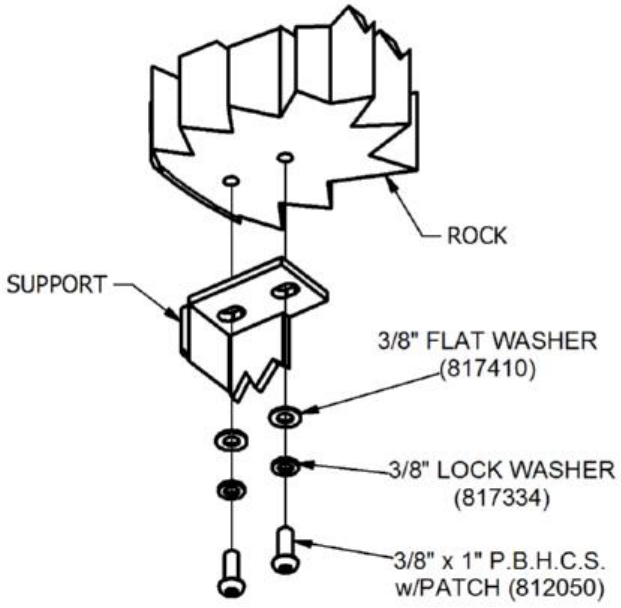
67950 ROCK DUO



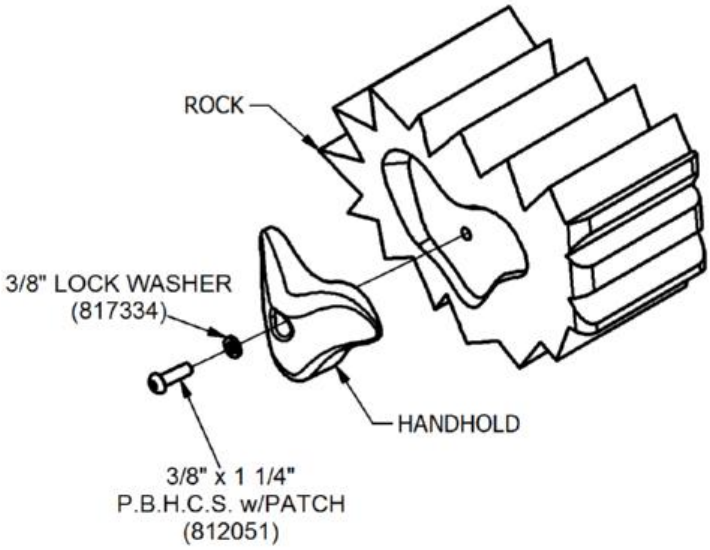
429



936

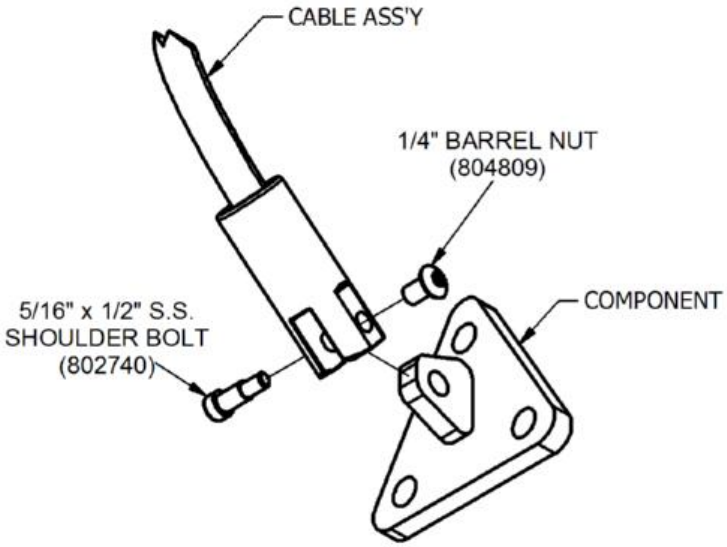


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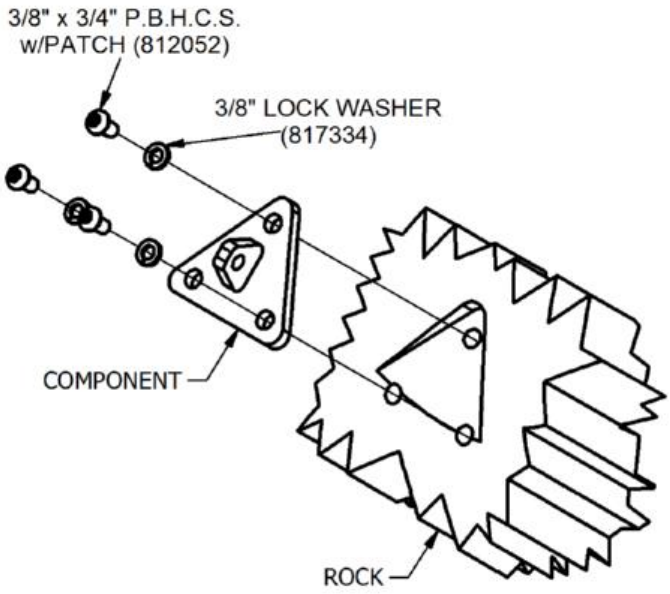


938

67950 ROCK DUO



939



940

SuperMax Play Systems

71883 (32"), 71904 (40"), 71905 (48"), 71906 (56"), 71884 (72"), 71907 (80"), 71908 (88"), 71909 (96") Paragon Climber

Parts List									
DESCRIPTION	71883	71904	71905	71906	71884	71907	71908	71909	PART NUMBER
PARAGON CLIMBER HDPE INSERT	2	2	3	3	4	4	5	5	314741
ORIGAMI CLIMBER WELDMENT 2'-8"	1	1	0	0	0	0	0	0	314771
ORIGAMI CLIMBER WELDMENT 4'-0"	0	0	1	1	0	0	0	0	314956
ORIGAMI CLIMBER WELDMENT 6'-0"	0	0	0	0	1	1	0	0	314772
ORIGAMI CLIMBER WELDMENT 7'-4"	0	0	0	0	0	0	1	1	314959
PARAGON CLIMBER FOOTBUCK 2'-8"	2	2	2	2	0	0	0	0	314784
ORIGAMI LADDER FOOTBUCK 6'-0"	0	0	0	0	2	2	2	2	314785
HARDWARE COMPLETE	1	1	0	0	0	0	0	0	314743
HARDWARE COMPLETE	0	0	1	1	0	0	0	0	314969
HARDWARE COMPLETE	0	0	0	0	1	1	0	0	314744
HARDWARE COMPLETE	0	0	0	0	0	0	1	1	314970
3/8" x 3/4" P.B.H.C.S. w/PATCH	8	8	12	12	16	16	20	20	812052
3/8" x 1" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	2	2	812050
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	2	2	812053
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	2	2	812054
3/8" x 2" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	2	2	812055
3/8" LOCK WASHER	6	6	6	6	6	6	6	6	817334
3/8" FLAT WASHER (1 1/4" O.D.)	12	12	16	16	20	20	24	24	817424
3/8" BARREL NUT	10	10	14	14	18	18	22	22	804804
3/8" HEX NUT	4	4	4	4	4	4	4	4	804053

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 T-Nuts and Flatwashers to match radius of pipe after assembly is complete.
Note: Red thread locker (supplied by others) must be applied to all non-patch threaded hardware.

71883 (32"), 71904 (40"), 71905 (48"), 71906 (56"), 71884 (72"), 71907 (80"), 71908 (88"), 71909 (96") Paragon Climber

INSTALLATION INSTRUCTIONS:

1. Dig footings at locations as shown in Footing Diagram. Refer to your overhead drawing for location.

2. Attach Origami Ladder Footbuck to Origami Ladder Weldment using 3/8" x 1" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Barrel Nut. See Detail 966.

3. Attach Origami Ladder HDPE Insert to Origami Ladder Weldment using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1 1/4" O.D.), and 3/8" Barrel Nut. See Detail 791.

4. Attach Origami Ladder Weldment to Entry Archway or Split Entrance and Deck using 3/8" x 2" P.B.H.C.S. w/Patch, 3/8" Lock Washer , 3/8" Flatwasher and 3/8" Hexnut. See Detail 725. Attach Ladder to Deck using 3/8" x 1 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer , 3/8" Flatwasher and 3/8" Hexnut. See Detail 967. **Note:** Entryway sold seperately, if using Origami Entryway use 3/8" x 1 1/2" P.B.H.C.S. w/Patch. See Detail 992. Refer to overall Top View for entryway type.

5. 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.

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.

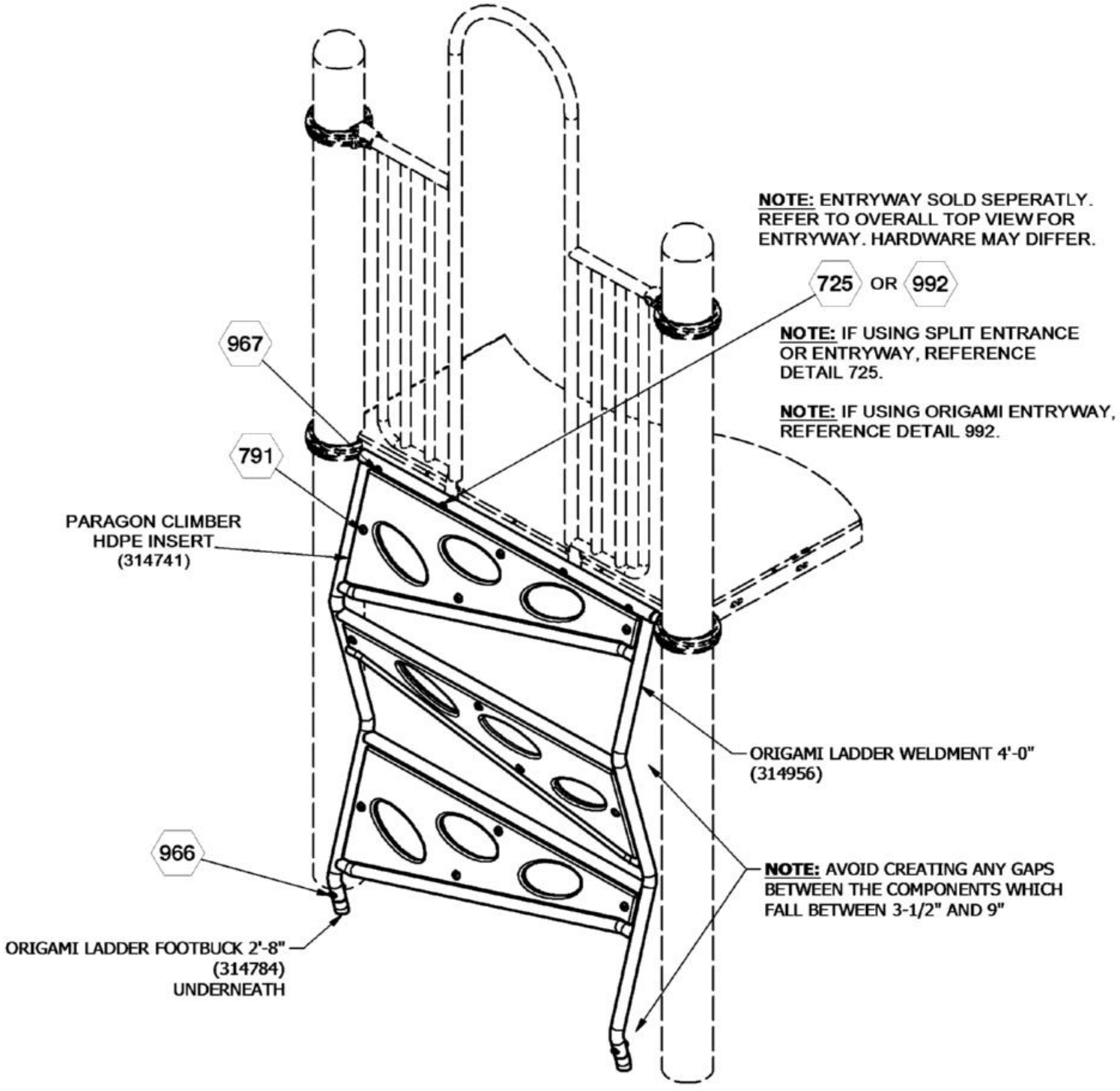
7. When the structure is finished and satisfactory, tighten all fasteners and install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not 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.

SuperMax Play Systems

71883 (32"), 71904 (40"), 71905 (48"), 71906 (56"), 71884 (72"), 71907 (80"), 71908 (88"), 71909 (96") Paragon Climber



⬡ = INSTALLATION DETAIL

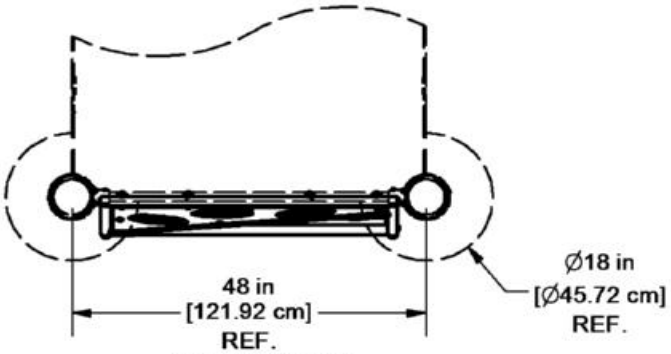
Issued/Revised: 8/21/2025

FINISHED ASSEMBLY

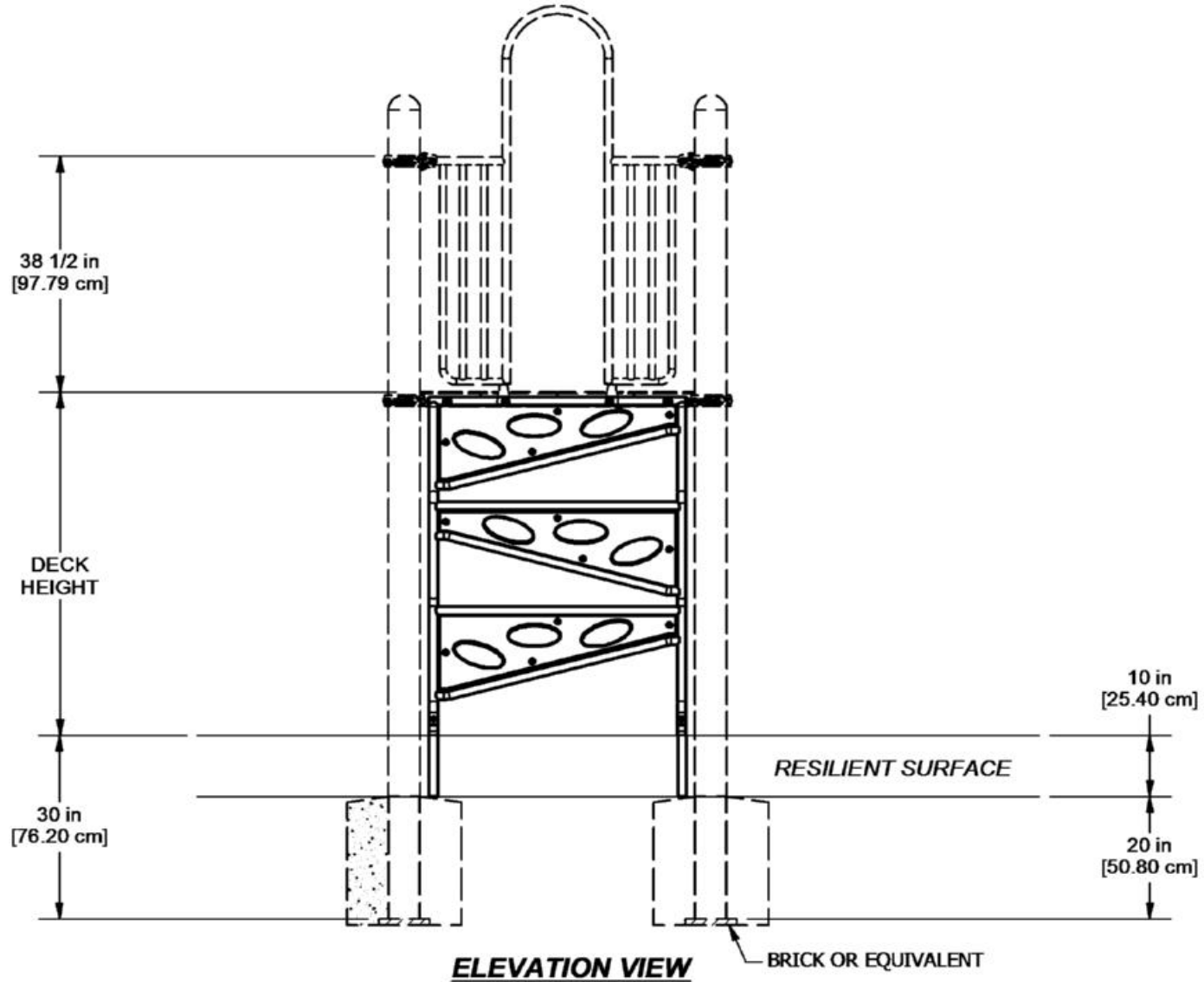
71906 SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

71883 (32"), 71904 (40"), 71905 (48"), 71906 (56"), 71884 (72"), 71907 (80"), 71908 (88"), 71909 (96") Paragon Climber



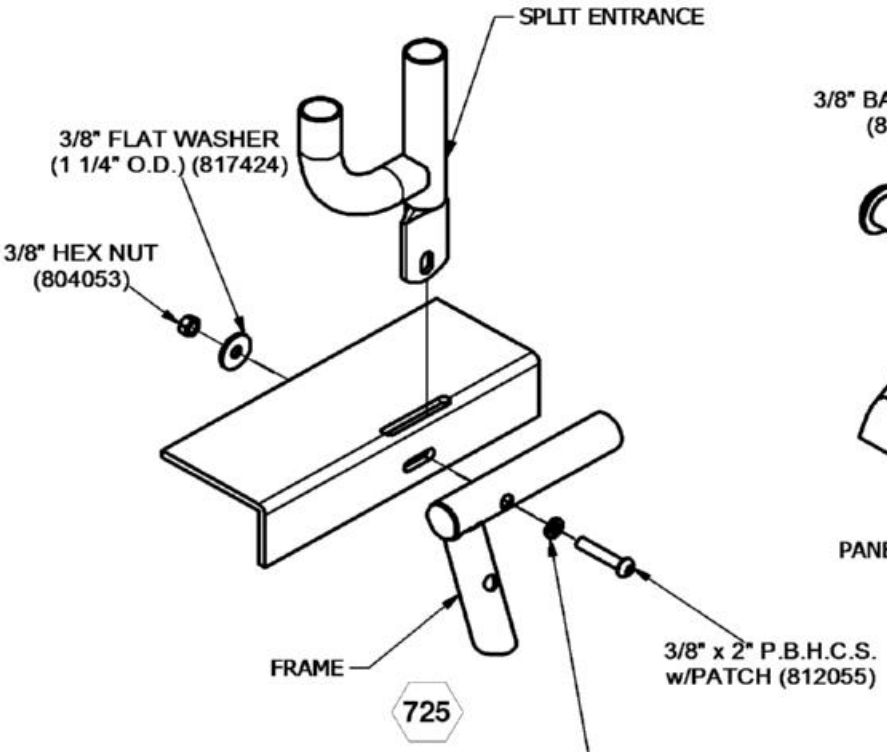
PLAN VIEW

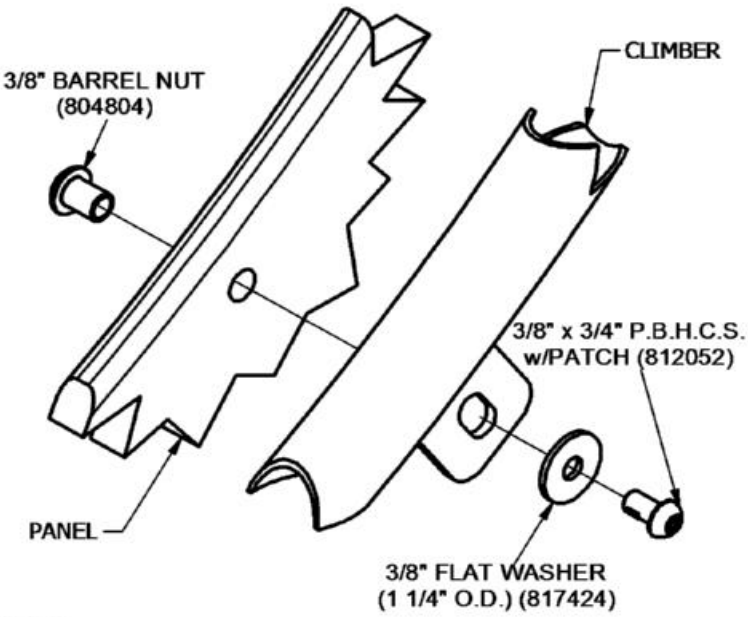


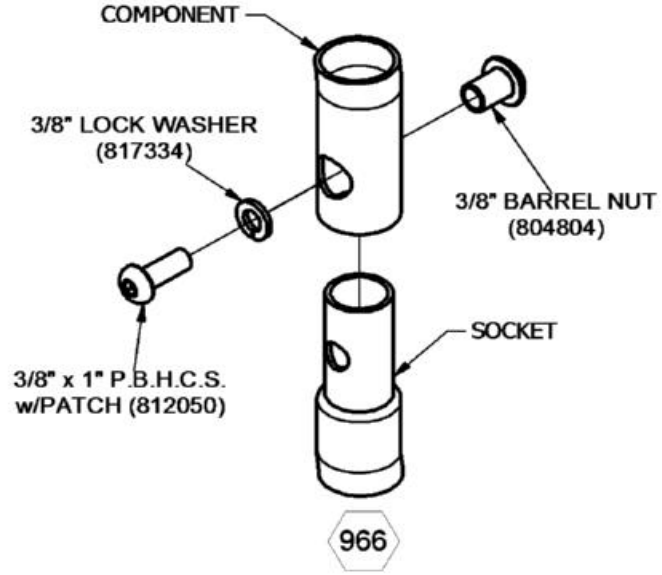
ELEVATION VIEW

71906 SHOWN

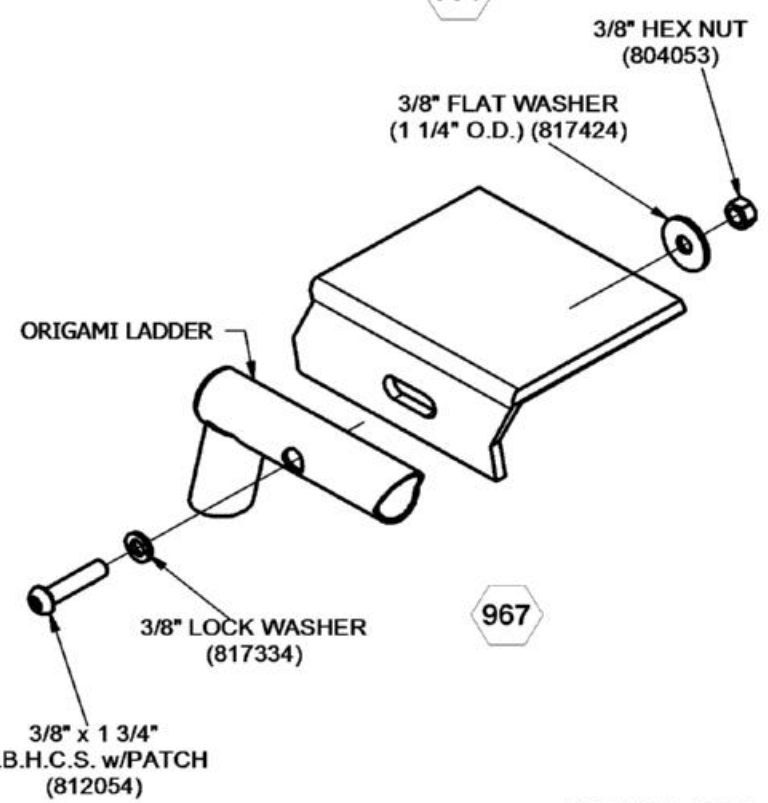
71883 (32"), 71904 (40"), 71905 (48"), 71906 (56"), 71884 (72"), 71907 (80"), 71908 (88"), 71909 (96") Paragon Climber





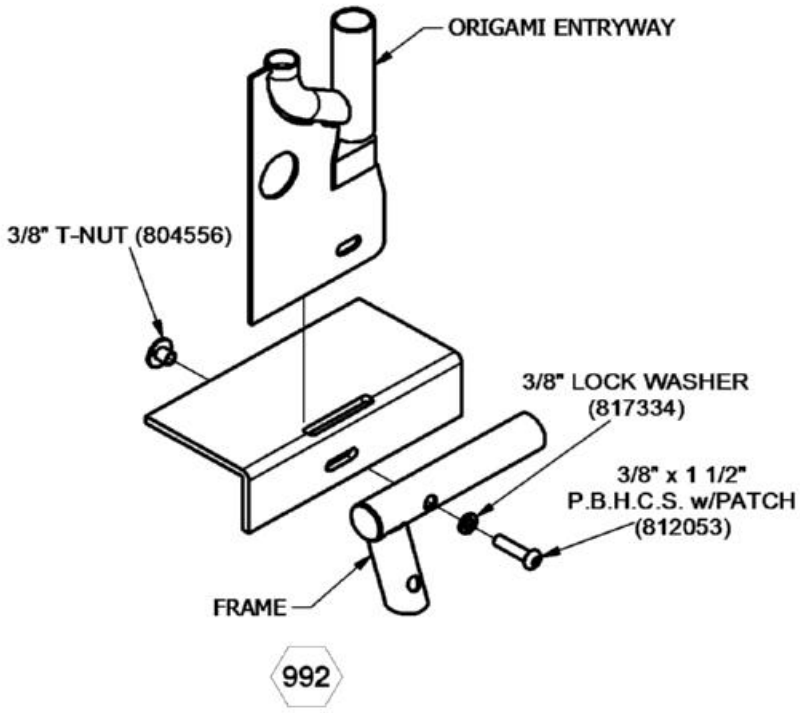


NOTE: MAKE SURE BOLT GOES ON BIG HOLE SIDE.



Issued/Revised: 8/21/2025

71883 (32"), 71904 (40"), 71905 (48"), 71906 (56"), 71884 (72"), 71907 (80"), 71908 (88"), 71909 (96") Paragon Climber



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.

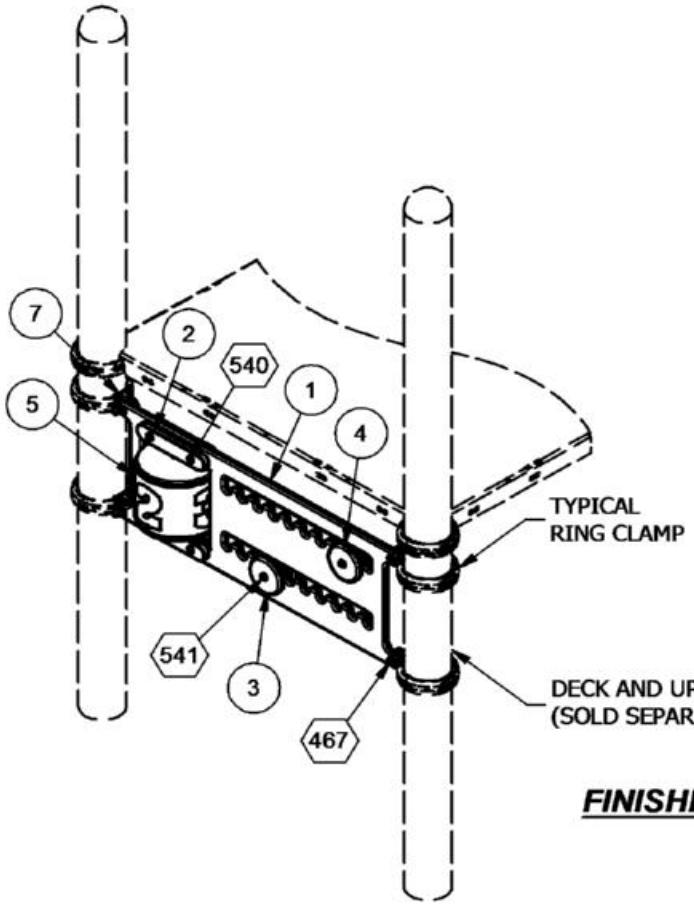
71403 Spin & Win Panel

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:

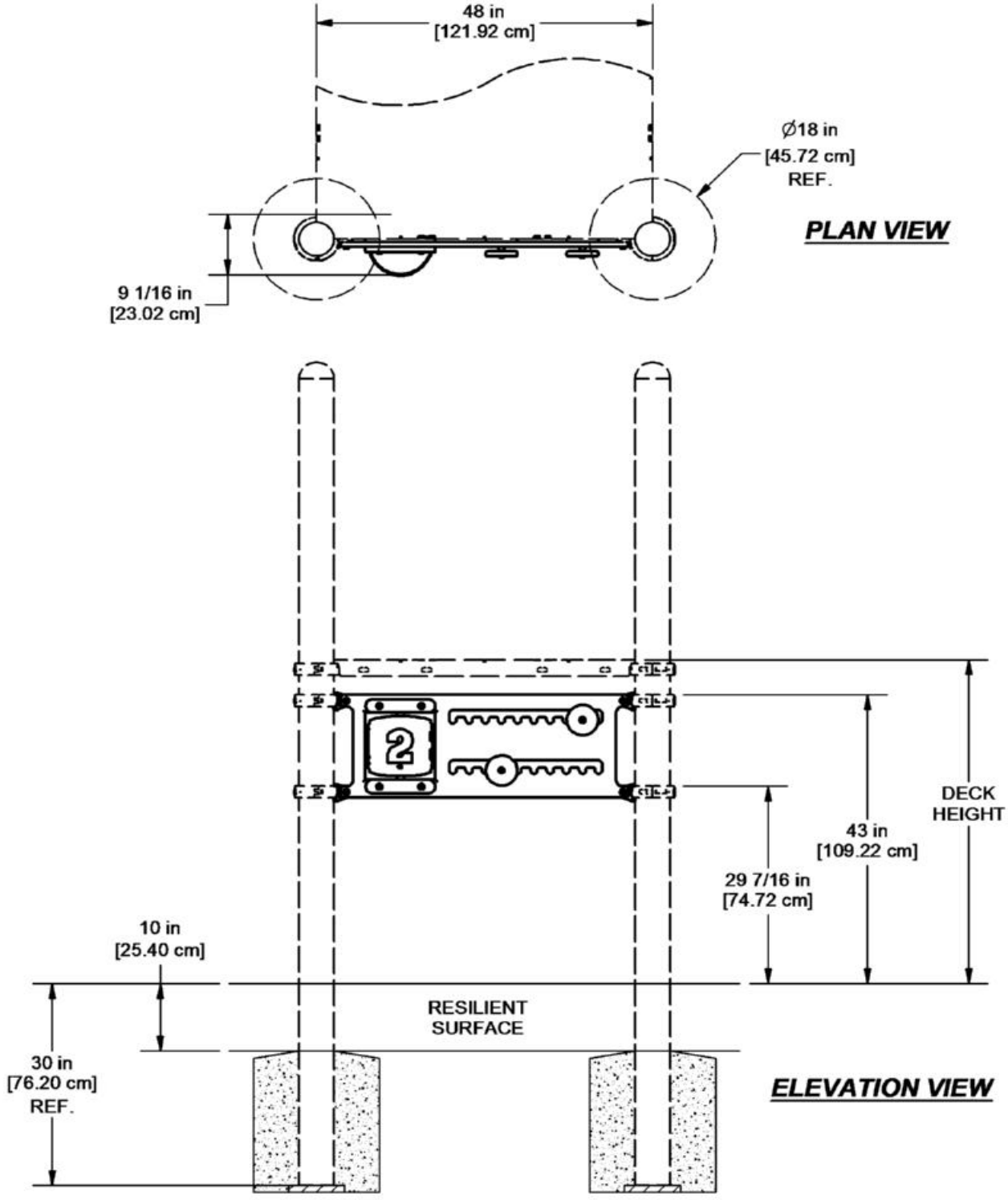
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify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

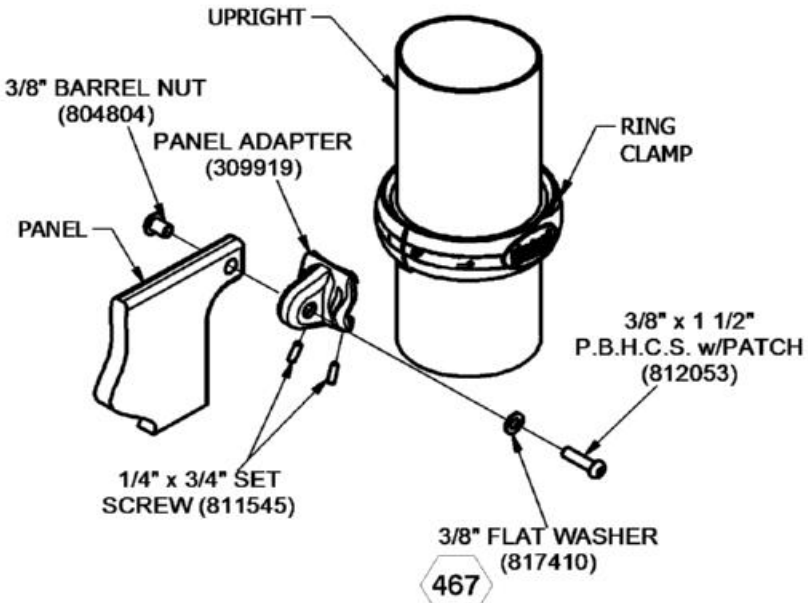
71403 Spin & Win Panel



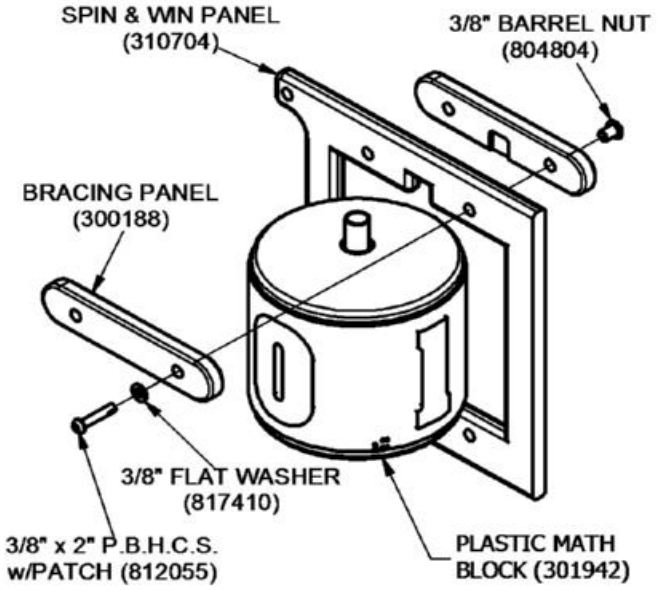
71403 Spin & Win Panel

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

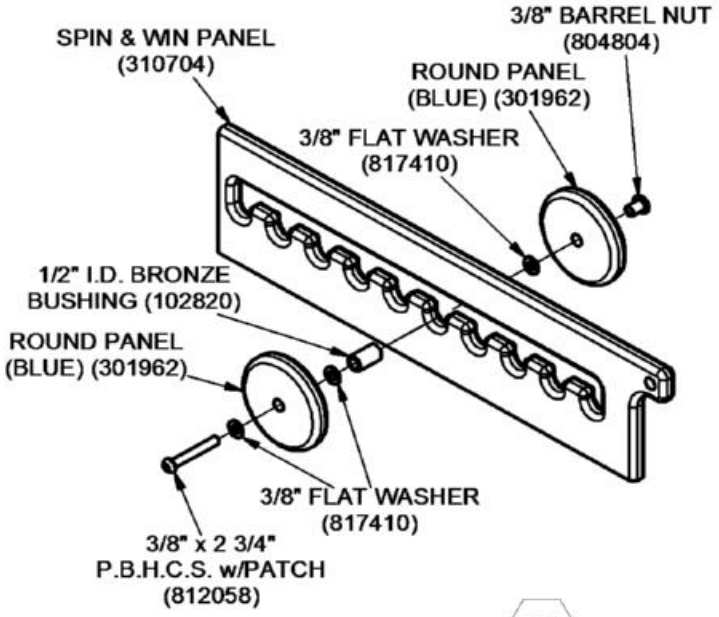
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.



467



540



541

SuperMax Play Systems

This equipment is designed for children 5-12 years old

71878 Large Alpine Climber

Parts List		
DESCRIPTION	QTY	PART NUMBER
3 1/2" DOME CAP	1	212996
TREE FIN PANEL	3	314722
TALL TREE ASSEMBLY	1	314726
HARDWARE COMPLETE	1	314730
3/16" x 13/32" DRIVE RIVET	2	805366
3/8" x 3/4" P.B.H.C.S. w/PATCH	12	812052
3/8" FLAT WASHER	12	817410
3/8" BARREL NUT	12	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.

INSTALLATION INSTRUCTIONS:

1. Dig footings at locations as shown in Footing Diagram. Refer to your overhead drawing for location.

2. Attach 3 1/2" Dome Cap to Tall Tree Ass'y. See Detail 597.

3. Attach Tree FIn PAnel to Tall Tree Ass'y. See Detail 602.

IMPORTANT! Make sure the distance from top edge of deck to transfer loop foot hold area is 13" min. to 16" max.

4. Place pre-assembled Tall Tree Assembly into appropriate Footing Hole.

5. 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.

6. After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post water drainage. Allow to cure at least 48 hours before use.

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 clamp are not designed to support substantial weight without them,*** Also eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nut, 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.

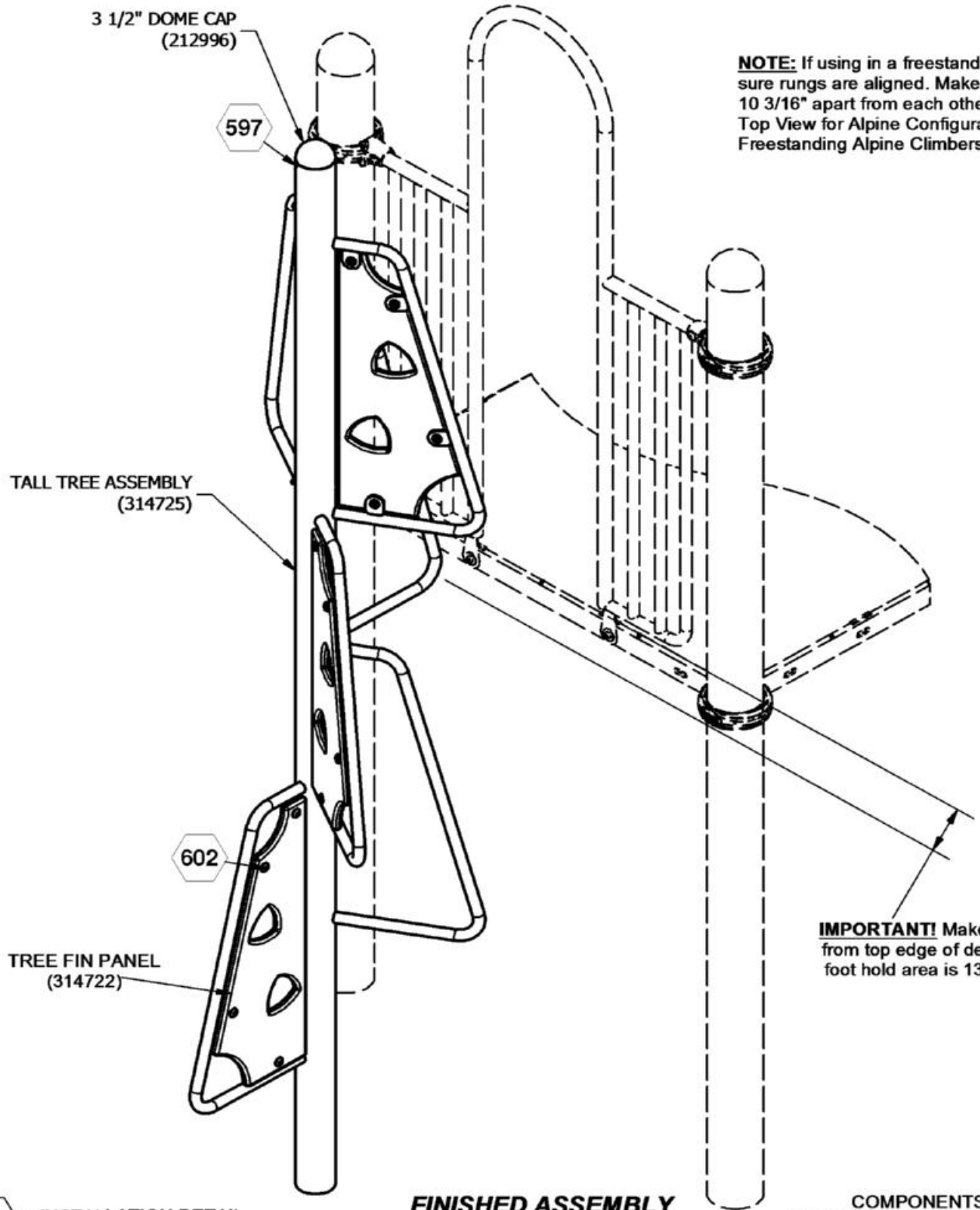
NOTE: If using in a freestanding setting make sure rungs are aligned. Make sure rungs are 10 3/16" apart from each other. Refer to overall Top View for Alpine Configuration. See Multiple Freestanding Alpine Climbers Page.

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

71878 Large Alpine Climber



= INSTALLATION DETAIL

Issued/Revised: 4/28/2020

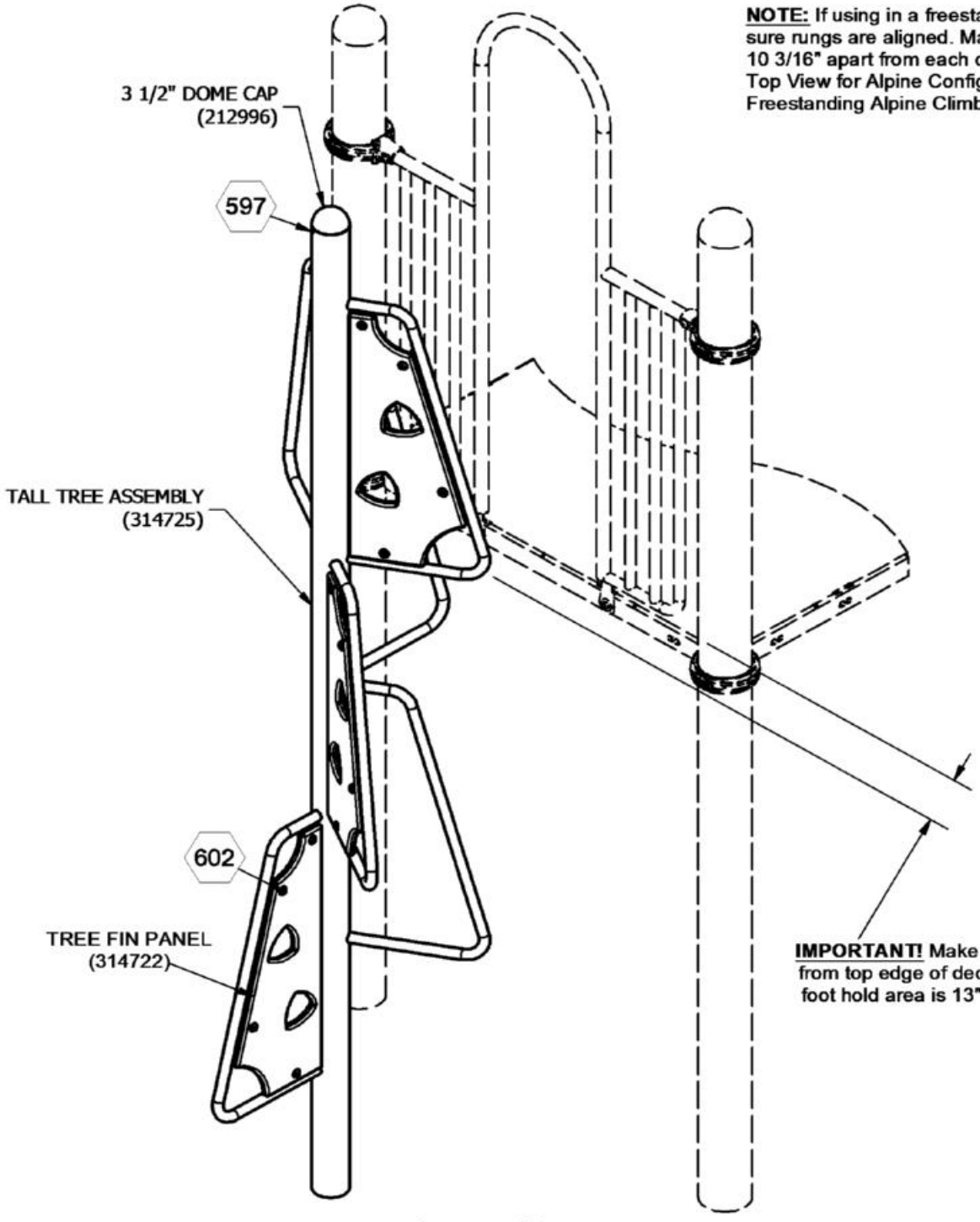
FINISHED ASSEMBLY

56" DECK

HEIGHT SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

71878 Large Alpine Climber



NOTE: If using in a freestanding setting make sure rungs are aligned. Make sure rungs are 10 3/16" apart from each other. Refer to overall Top View for Alpine Configuration. See Multiple Freestanding Alpine Climbers Page.

IMPORTANT! Make sure the distance from top edge of deck to transfer loop foot hold area is 13" min. to 16" max.

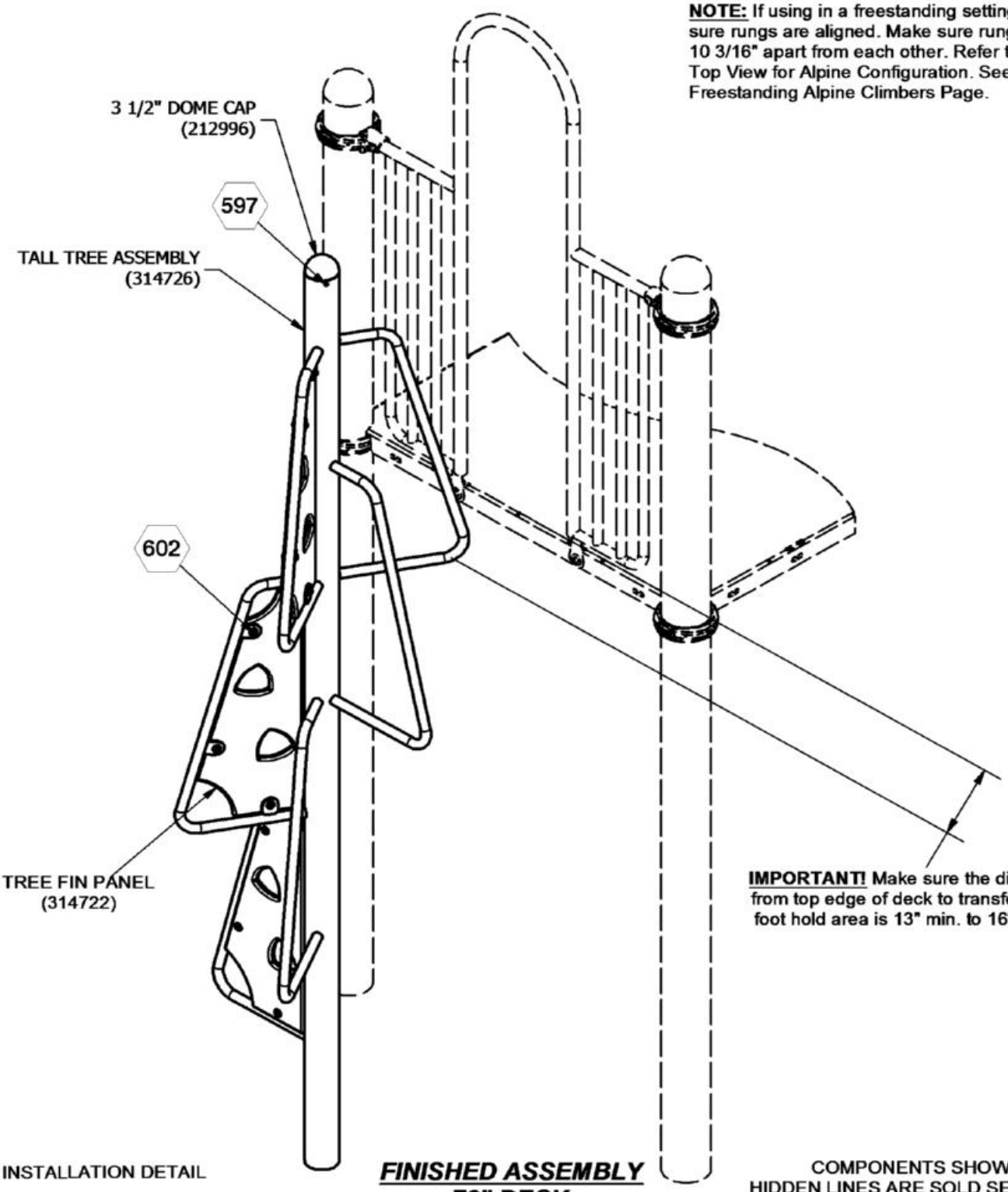
FINISHED ASSEMBLY
64" DECK
HEIGHT SHOWN

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

71878 Large Alpine Climber

NOTE: If using in a freestanding setting make sure rungs are aligned. Make sure rungs are 10 3/16" apart from each other. Refer to overall Top View for Alpine Configuration. See Multiple Freestanding Alpine Climbers Page.



⬡ = INSTALLATION DETAIL

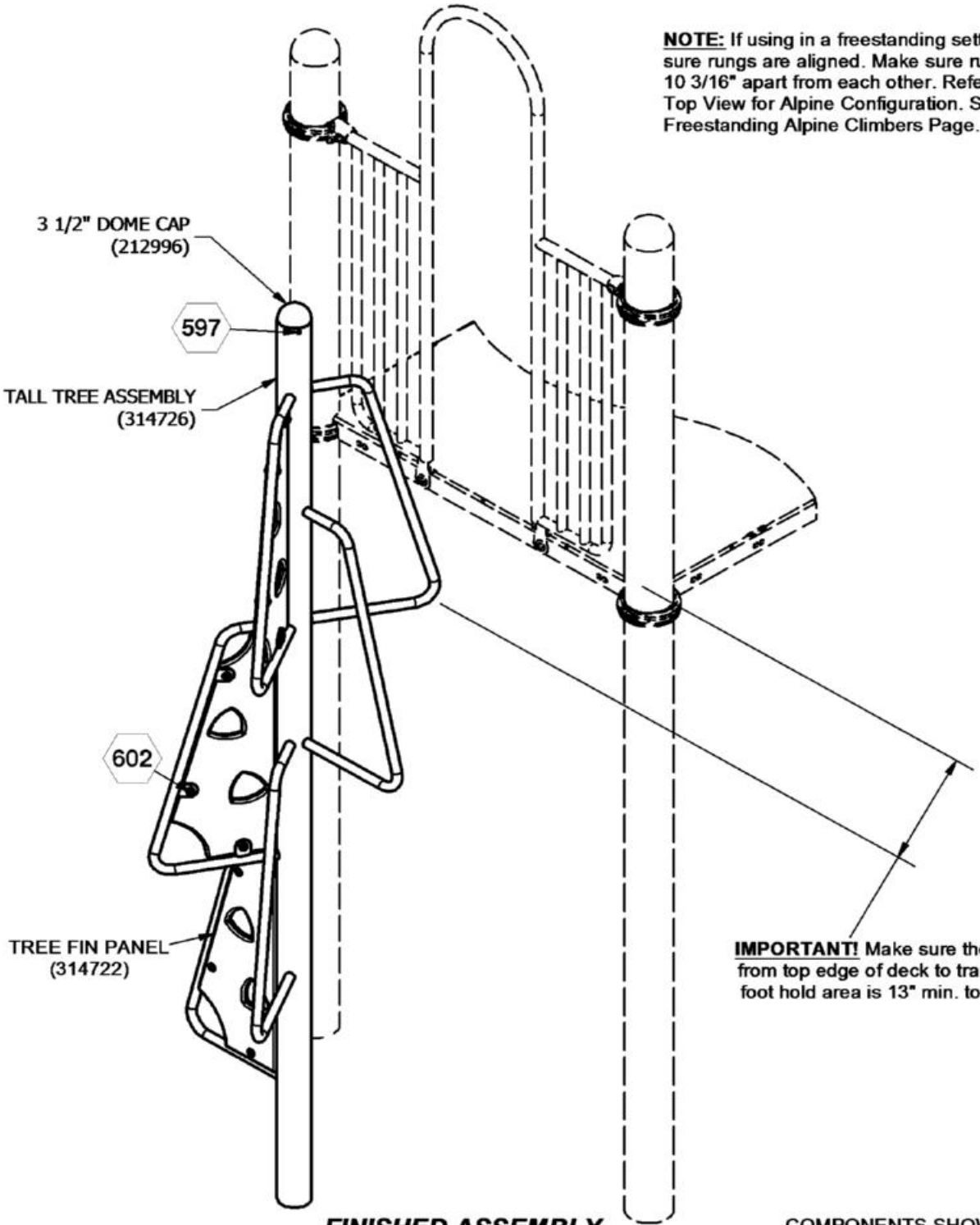
FINISHED ASSEMBLY
72" DECK
HEIGHT SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 4/28/2020

SuperMax Play Systems

71878 Large Alpine Climber



NOTE: If using in a freestanding setting make sure rungs are aligned. Make sure rungs are 10 3/16" apart from each other. Refer to overall Top View for Alpine Configuration. See Multiple Freestanding Alpine Climbers Page.

IMPORTANT! Make sure the distance from top edge of deck to transfer loop foot hold area is 13" min. to 16" max.

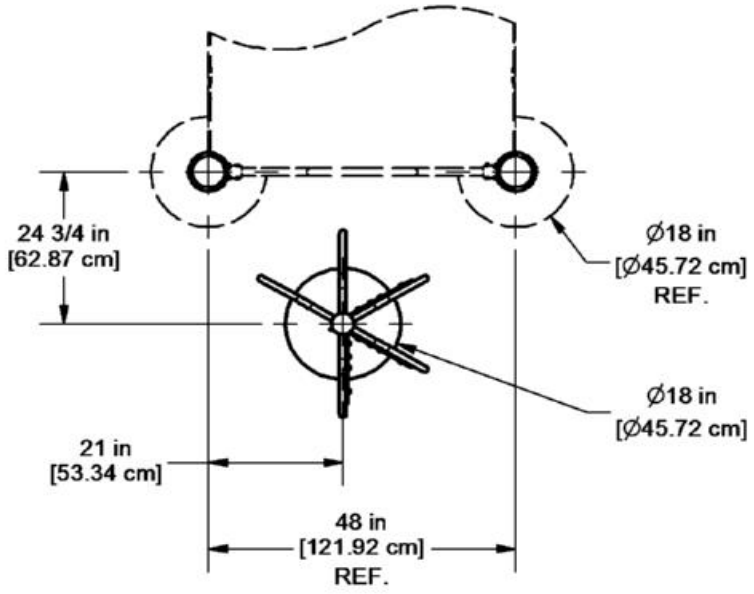
⬡ = INSTALLATION DETAIL

Issued/Revised: 4/28/2020

FINISHED ASSEMBLY
80" DECK
HEIGHT SHOWN

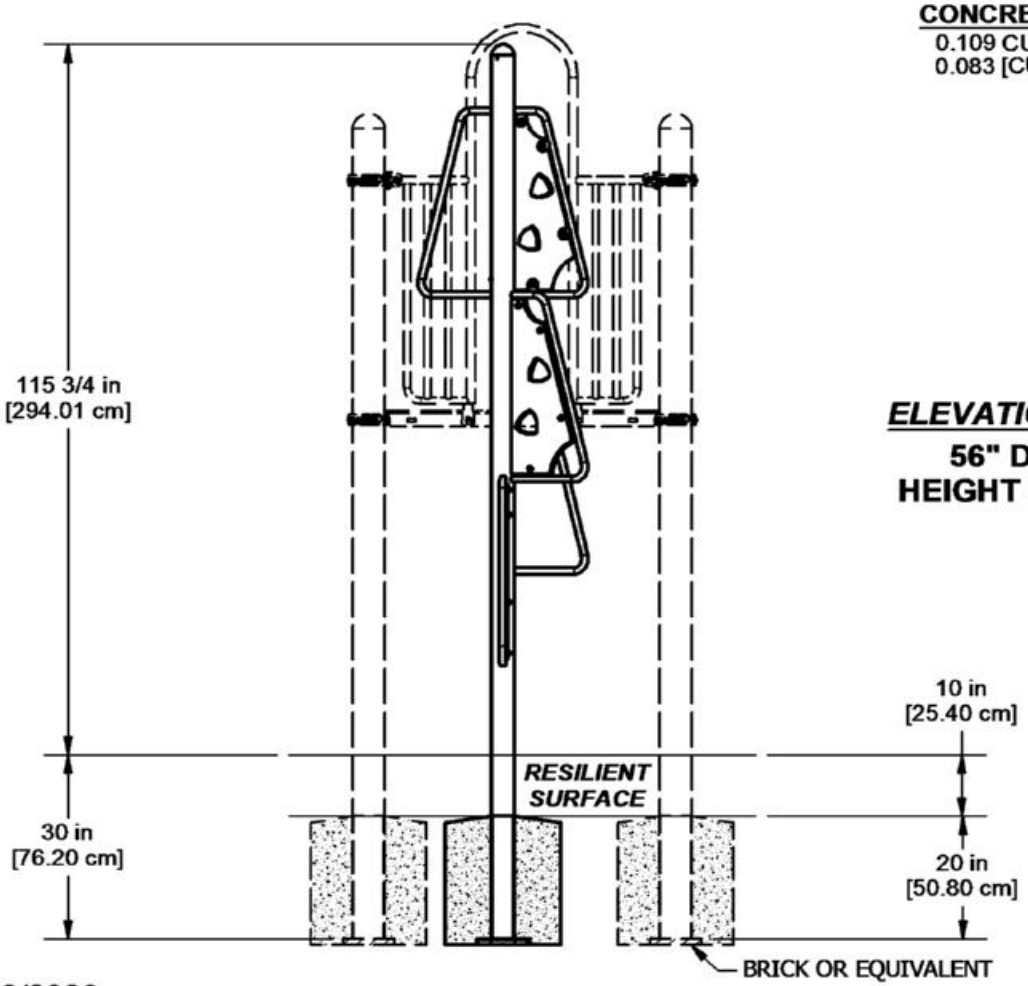
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

71878 Large Alpine Climber



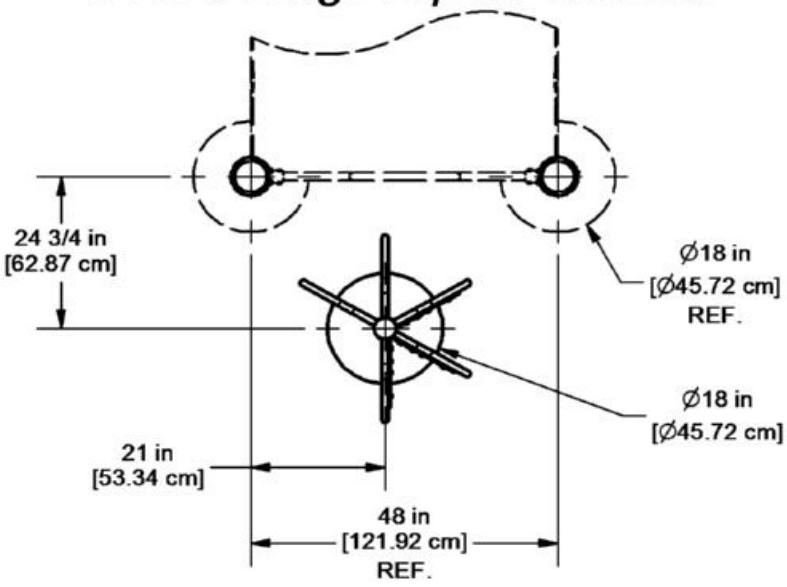
PLAN VIEW

CONCRETE REQUIRED
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



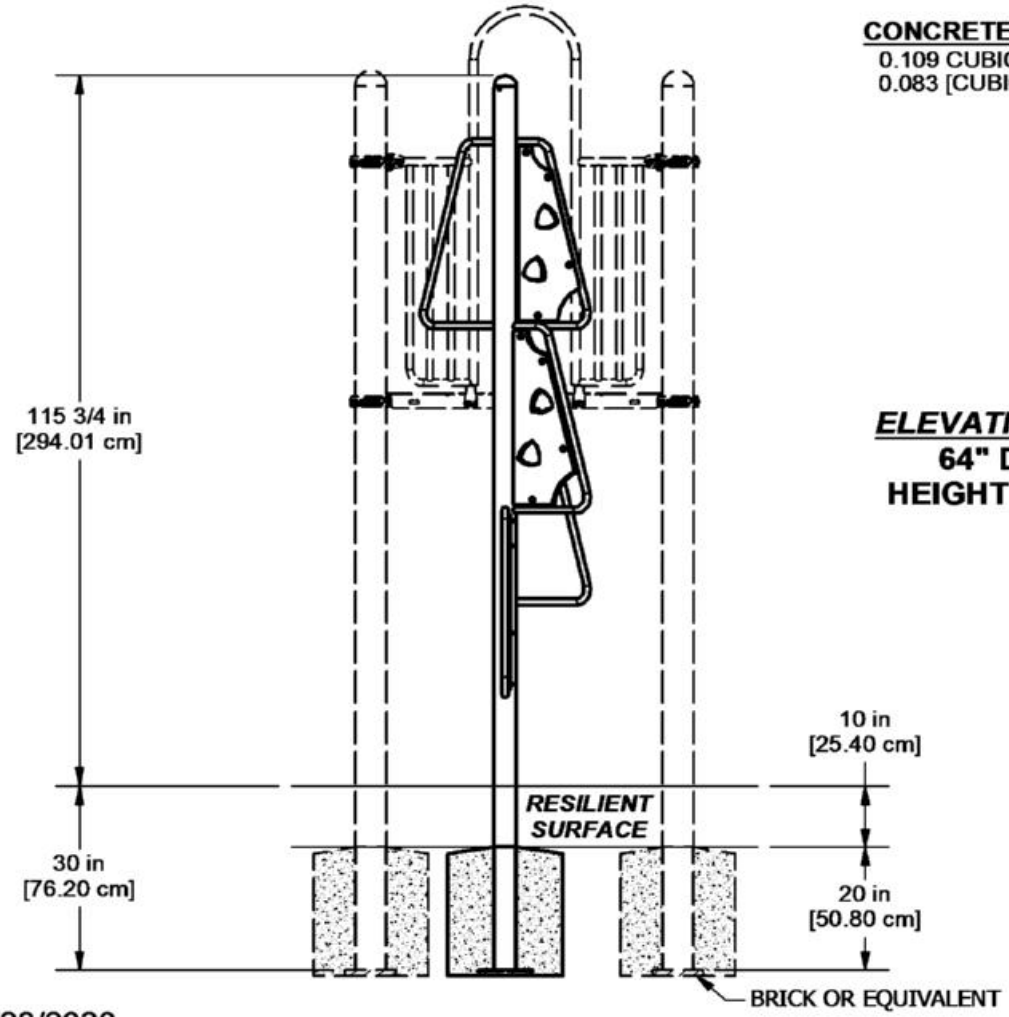
ELEVATION VIEW
56" DECK
HEIGHT SHOWN

71878 Large Alpine Climber



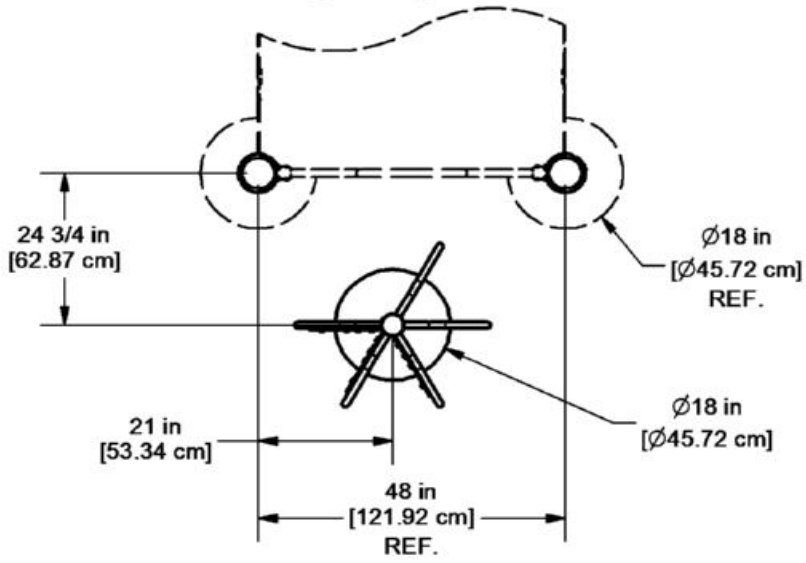
PLAN VIEW

CONCRETE REQUIRED
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



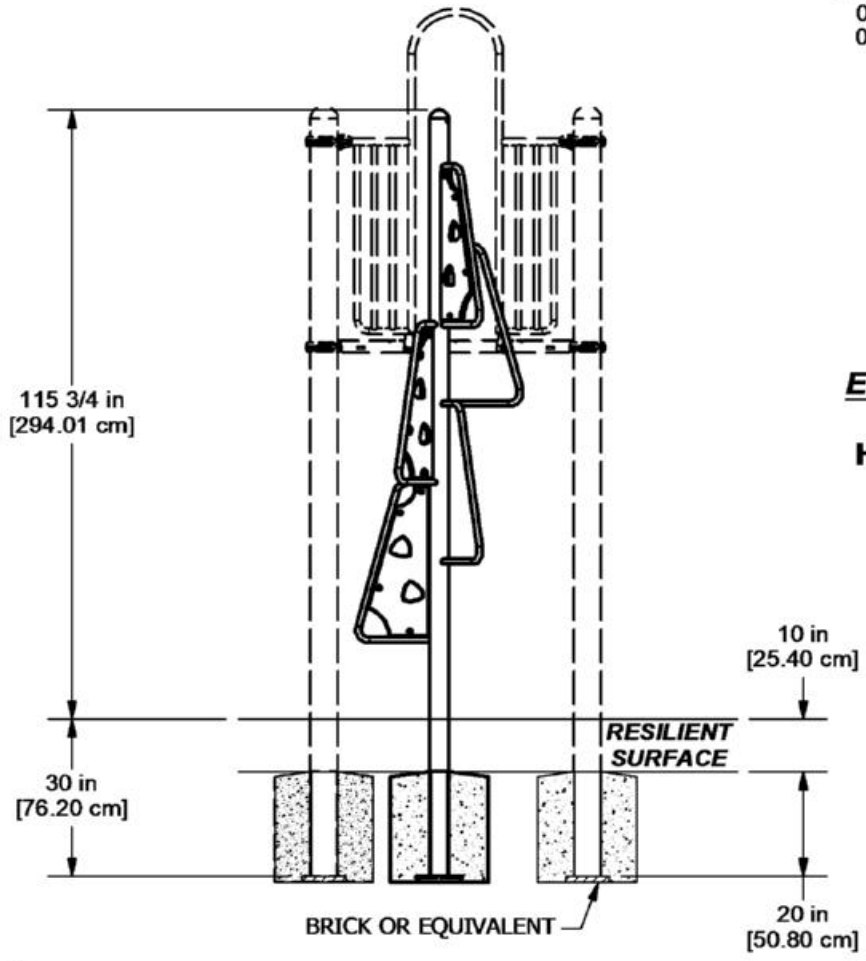
ELEVATION VIEW
64" DECK
HEIGHT SHOWN

71878 Large Alpine Climber



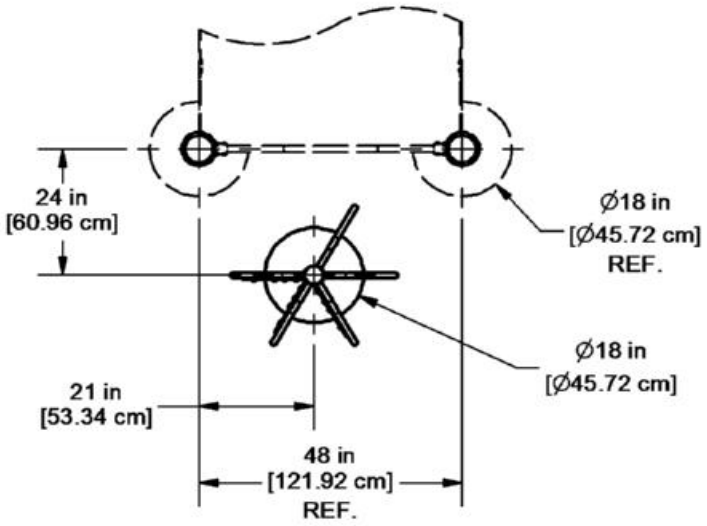
PLAN VIEW

CONCRETE REQUIRED
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



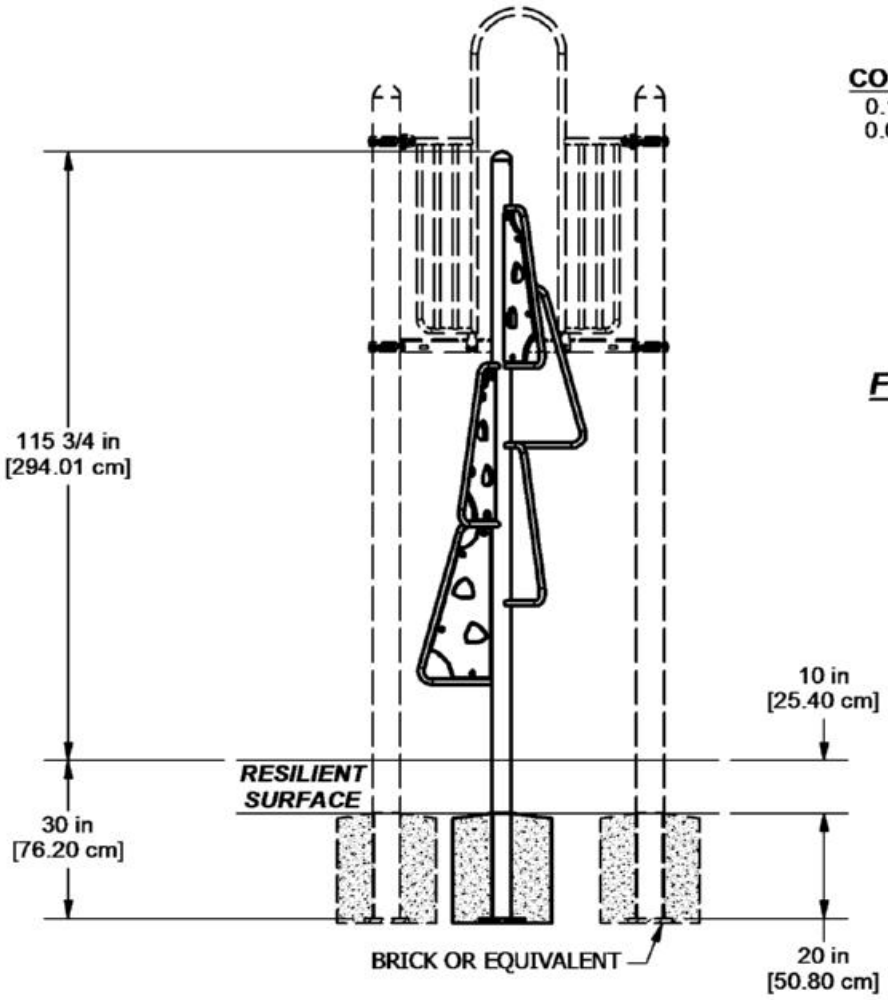
ELEVATION VIEW
72" DECK
HEIGHT SHOWN

71878 Large Alpine Climber



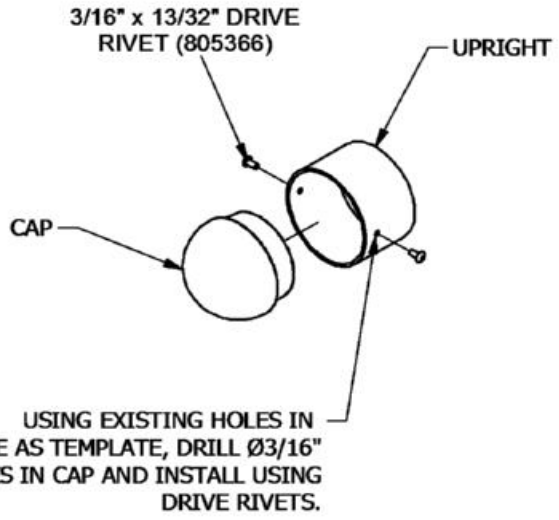
PLAN VIEW

CONCRETE REQUIRED
0.109 CUBIC YARDS
0.083 [CUBIC METERS]

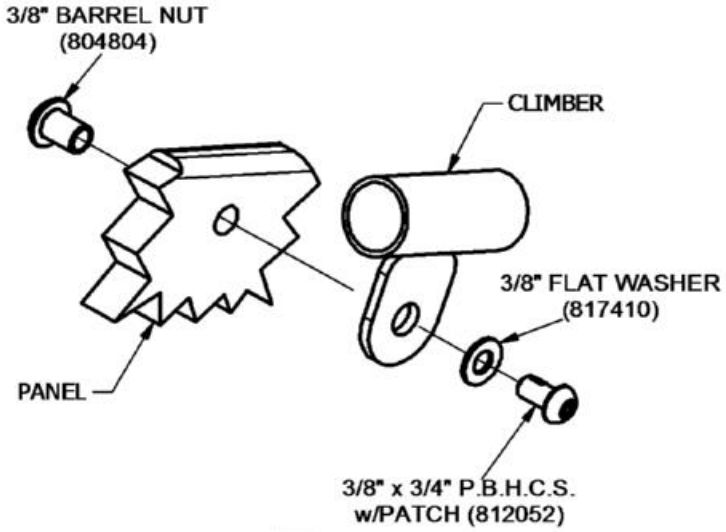


FINISHED ASSEMBLY
80" DECK
HEIGHT SHOWN

71878 Large Alpine Climber

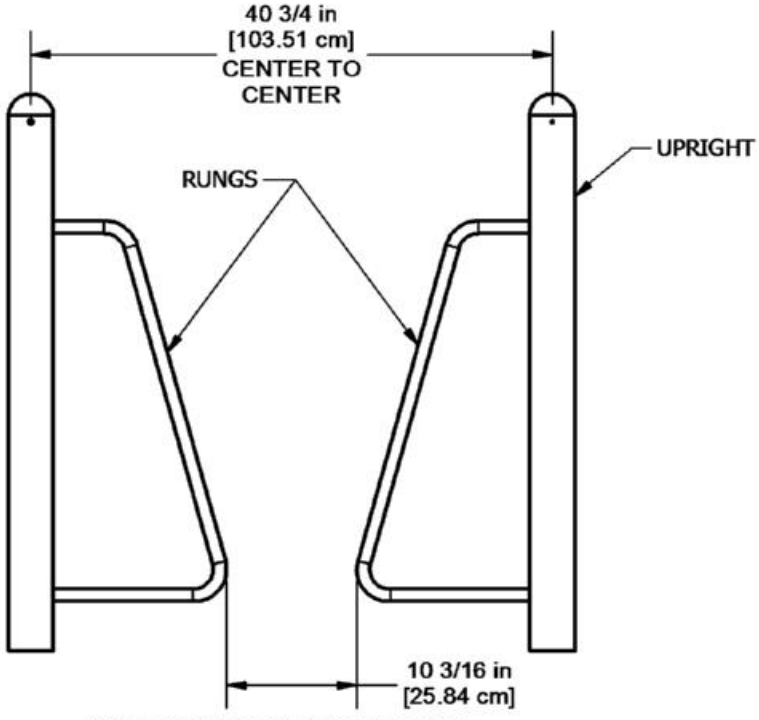


597



602

REFERENCE FOR MULTIPLE FREESTANDING ALPINE CLIMBERS



NOTE: REFER TO OVERALL TOP VIEW FOR ALPINE CONFIGURATION

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.

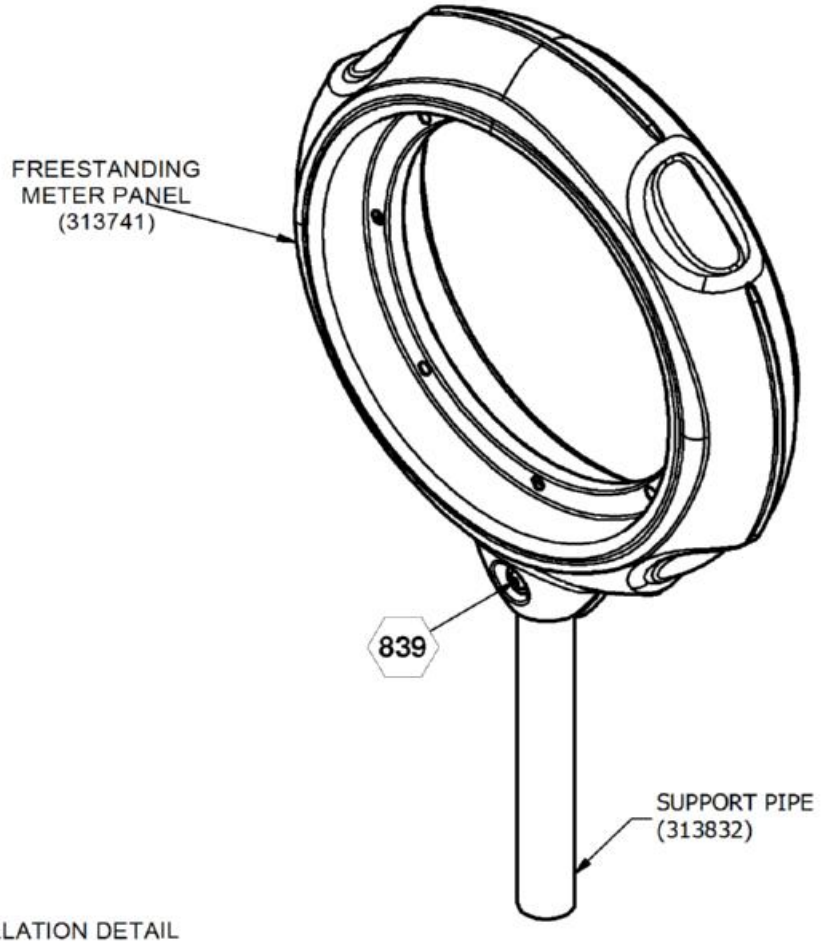
3. Plumb and level the entire assembly and tighten all fasteners.

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:

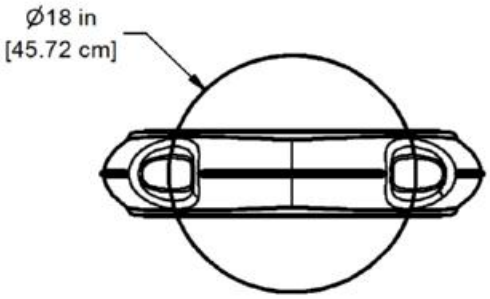
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check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

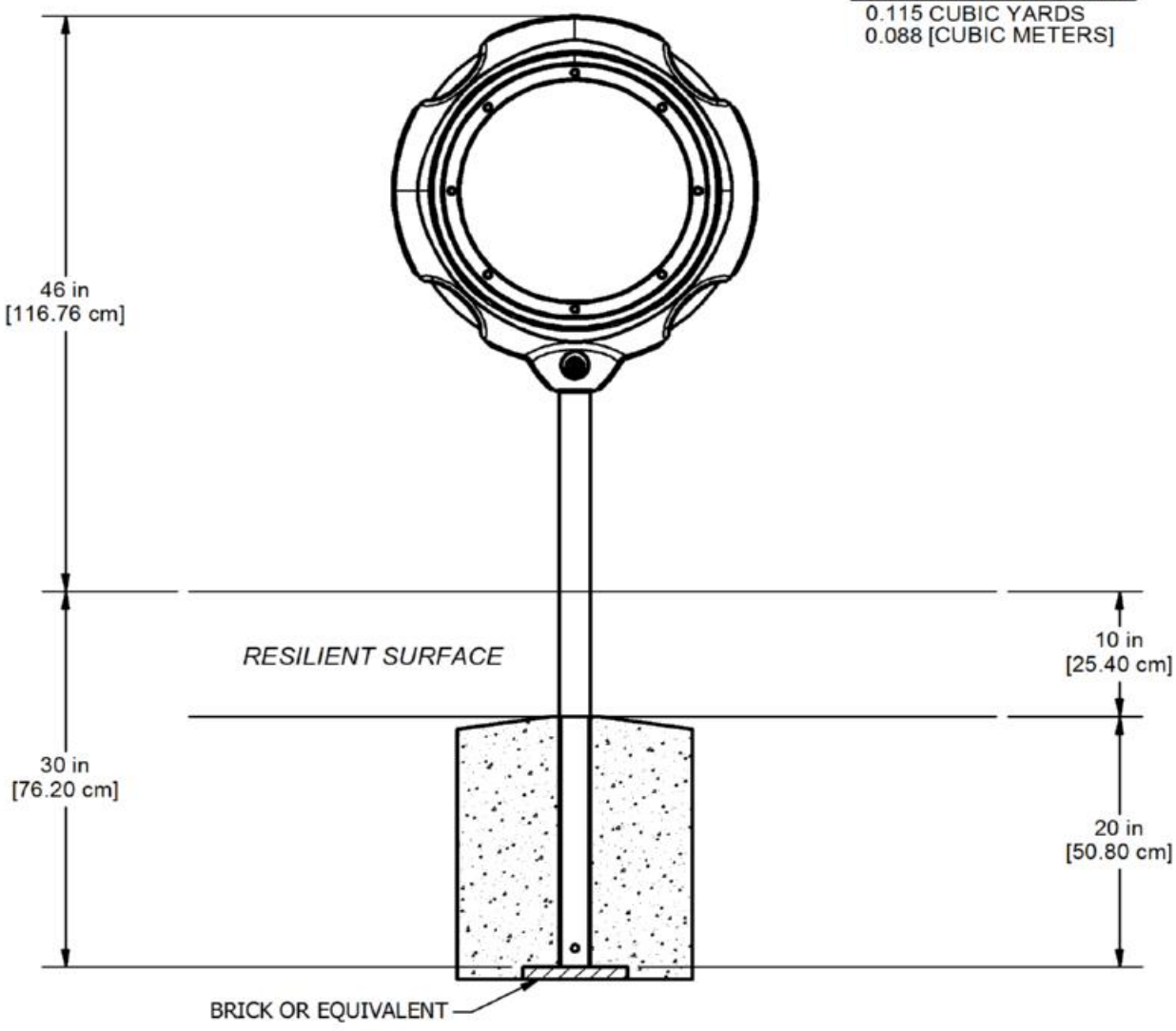
FINISHED ASSEMBLY

68115 ACTIVITY METER



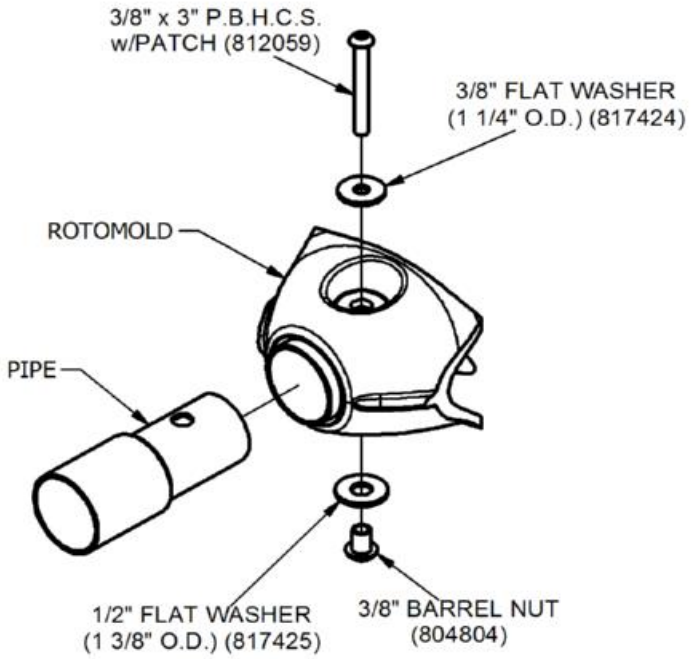
PLAN VIEW

CONCRETE REQUIRED
0.115 CUBIC YARDS
0.088 [CUBIC METERS]



ELEVATION VIEW

68115 ACTIVITY METER



839

Pleasant Valley School District
600 Temple Ave
Camarillo, CA 93010

Play & Park Structures

This play equipment is recommended for children ages:
5-12

Minimum Area Required:
75'-0" X 40'-0"

Scale: 1/4" = 1'-0"
This drawing can be scaled only when in an 24" x 36" format

Drawn By:
Kimber Scroggins
Date:
1/28/2026
Quote Number:
821-180681B

play&park structures
A PLAYCORE Company
544 Chestnut Street
Chattanooga, TN 37402
800-727-1907 / www.playandpark.com

Total Play Components	40			User Capacity
Elevated Play Components	18			100-125
Elevated Play Components Accessible by Ramp	4	Req.	0	Critical Fall Height
Elevated Components Accessible by Transfer	18	Req.	9	8'-0"
Accessible Ground Level Components Shown	22	Req.	6	
Different Types of Ground Level Components	8	Req.	3	

SUPERmax PLAY SYSTEMS

Order 6441621

ISO 9001 CERTIFIED



FOOTINGS TABLE			
TYPE	DIAMETER/SIDE	DEPTH	QTY.
A	1'-6" [45.72cm]	2'-6" [76.20cm]	41
B	1'-2" [35.56cm]	2'-6" [76.20cm]	26
H	(2'-0")* [45.72cm]	5'-0" [152.40cm]	3

FOOTINGS ORDINATE TABLE			
HOLE	X	Y	DIAG
1	-2'	3'-5 1/2"	4'
2	-2'	7'-5 1/2"	7'-8 1/2"
3	-2'	19'-5 1/2"	19'-7"
4	-10"	19'-5 1/2"	19'-6"
5	0"	-12'	12'
6	0"	0"	0"
7	6 1/2"	-6'-0 1/2"	6'-0 1/2"
8	10"	19'-5 1/2"	19'-6"
9	2'	3'-5 1/2"	4'
10	2'	7'-5 1/2"	7'-8 1/2"
11	2'	19'-5 1/2"	19'-7"
12	3'-5 1/2"	-6'-0 1/2"	6'-11 1/2"
13	4'	-12'	12'-8"
14	4'	0"	4'
15	6'	3'-5 1/2"	6'-11"
16	6'	7'-5 1/2"	9'-7"
17	8'-9"	17'-2 1/2"	19'-3 1/2"
18	10'-5 1/2"	12'-3"	16'-1 1/2"
19	10'-11"	3'-5 1/2"	11'-5 1/2"
20	10'-11"	7'-5 1/2"	13'-2 1/2"
21	11'-3 1/2"	15'-5"	19'-1"
22	13'-6"	-2'-10"	13'-9 1/2"
23	14'-3 1/2"	-11'-10 1/2"	18'-7"
24	14'-4 1/2"	1'-5 1/2"	14'-5 1/2"
25	14'-4 1/2"	5'-5 1/2"	15'-4 1/2"
26	14'-4 1/2"	9'-5 1/2"	17'-2 1/2"
27	15'-0 1/2"	-2'-10"	15'-4"
28	16'-1 1/2"	25'-3 1/2"	30'
29	17'-10"	3'-5 1/2"	18'-2"
30	17'-10"	7'-5 1/2"	19'-4"
31	19'-2"	17'-4 1/2"	25'-10 1/2"
32	20'-10 1/2"	14'-5 1/2"	25'-4 1/2"
33	21'-4"	-6'-7 1/2"	22'-4"
34	21'-6 1/2"	3'-5 1/2"	21'-10"
35	21'-6 1/2"	7'-5 1/2"	22'-9 1/2"
36	21'-6 1/2"	11'-5 1/2"	24'-5"
37	23'-6 1/2"	0"	23'-6 1/2"
38	23'-6 1/2"	14'-11"	27'-10 1/2"
39	23'-9 1/2"	-6'-5"	24'-7 1/2"
40	24'-5"	-2'-1"	24'-6"
41	25'-6 1/2"	3'-5 1/2"	25'-9"
42	25'-6 1/2"	7'-5 1/2"	26'-7 1/2"
43	25'-6 1/2"	11'-5 1/2"	28'
44	25'-7 1/2"	-3'-9"	25'-11"
45	25'-9 1/2"	18'-4 1/2"	31'-8"
46	26'-2 1/2"	16'-4"	30'-10 1/2"
47	27'-6 1/2"	0"	27'-6 1/2"
48	27'-6 1/2"	14'-11"	31'-4"
49	27'-6 1/2"	17'-11"	32'-10 1/2"
50	28'-10 1/2"	16'-4"	33'-2"
51	29'-3 1/2"	18'-4 1/2"	34'-7"
52	29'-6 1/2"	3'-5 1/2"	29'-9"
53	29'-6 1/2"	7'-5 1/2"	30'-5 1/2"
54	29'-6 1/2"	11'-5 1/2"	31'-8"
55	29'-10"	15'-3"	33'-6"
56	29'-11 1/2"	11"	29'-11 1/2"
57	30'-11 1/2"	13'-3 1/2"	33'-8 1/2"
58	31'-6"	16'-2 1/2"	35'-5"
59	32'-7 1/2"	14'-3"	35'-7"
60	33'-7"	17'-5"	37'-10"
61	34'-9"	15'-5 1/2"	38'
62	35'-2"	5"	35'-2 1/2"
63	35'-2"	10'-6 1/2"	36'-8 1/2"
64	37'-11 1/2"	25'-5 1/2"	45'-8 1/2"
65	38'-2 1/2"	-2'-7 1/2"	38'-3 1/2"
66	38'-2 1/2"	13'-6 1/2"	40'-6 1/2"
67	41'-5 1/2"	25'-5 1/2"	48'-8"
68	44'-11 1/2"	25'-5 1/2"	51'-8"
69	48'-3"	2'	48'-3 1/2"
70	48'-5 1/2"	25'-5 1/2"	54'-9"
71	48'-7"	-11'-10 1/2"	50'
72	49'-2 1/2"	3'-2 1/2"	49'-4"
73	51'-5 1/2"	3 1/2"	51'-5 1/2"
74	56'-2 1/2"	-6'-6 1/2"	56'-7"
75	56'-2 1/2"	-3'-7"	56'-3 1/2"
76	56'-10 1/2"	17'-2 1/2"	59'-5"
77	58'-9 1/2"	-2'-11 1/2"	58'-10 1/2"
78	59'-4"	-6'-2"	59'-8"
79	61'-10 1/2"	5'-4"	62'-1"

IF FOOTING CONTAINS A COMPONENT NUMBER, REFERENCE THE INSTALLATION MANUAL FOR COMPONENT FOOTING SPECS.

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.
Top View drawings and measurements are for overall site and structure appearance purposes. Top view should not be conceived as a construction detail; therefore, all measurements and slope requirements should be field verified prior to construction.
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.

Pleasant Valley School District
600 Temple Ave
Camarillo, CA 93010

Play & Park Structures

This play equipment is recommended for children ages:
5-12

Minimum Area Required:
75'-0" X 40'-0"

Scale: 1/4" = 1'-0"
This drawing can be scaled only when in an 24" x 36" format

Drawn By:
Kimber Scroggins
Date:
1/28/2026
Quote Number:
821-180681B

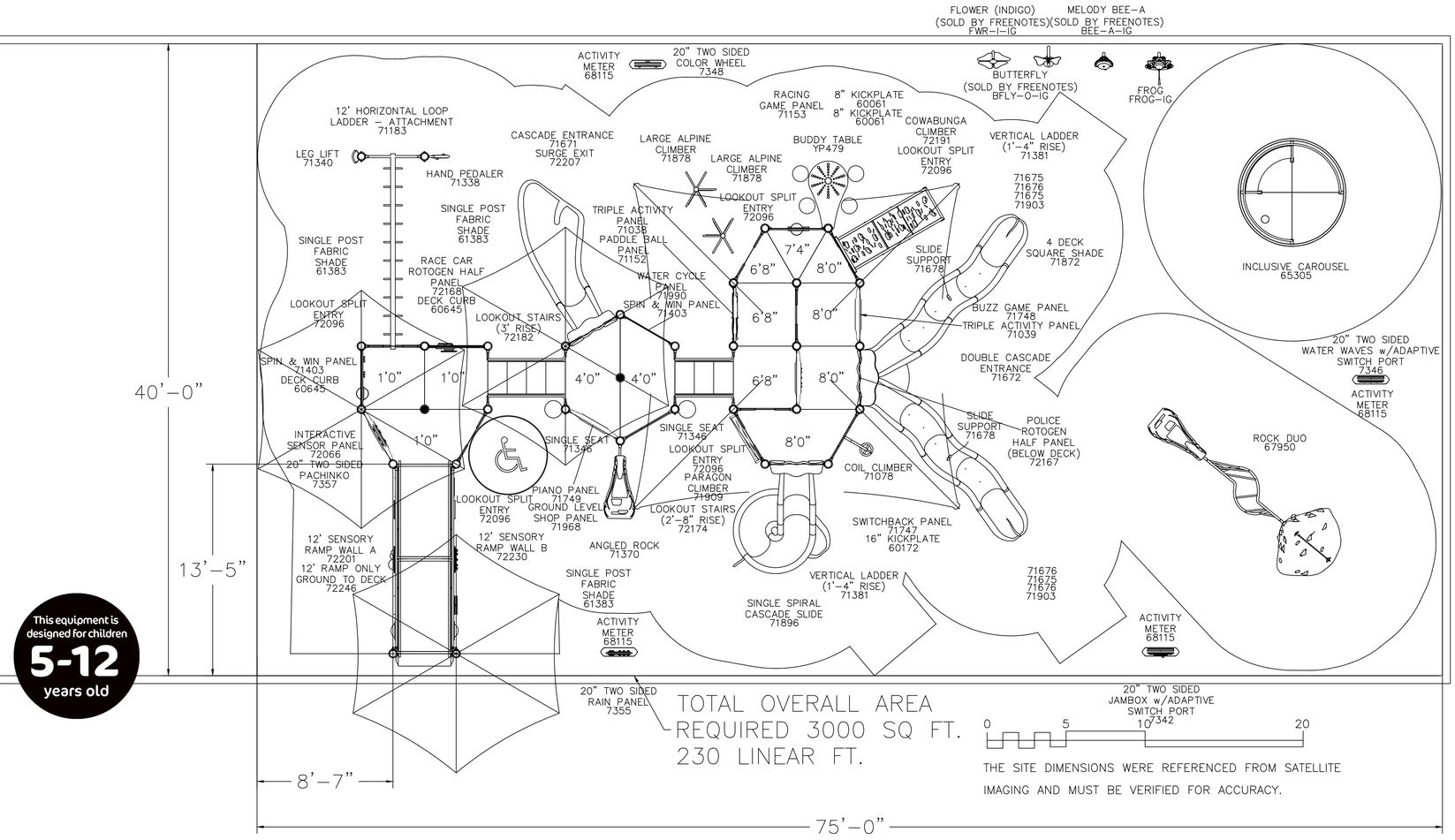
play&park structures
A PLAYCORE Company
544 Chestnut Street
Chattanooga, TN 37402
800-727-1907 / www.playandpark.com

Total Play Components	40			User Capacity
Elevated Play Components	18			100-125
Elevated Play Components Accessible by Ramp	4	Req.	0	Critical Fall Height
Elevated Components Accessible by Transfer	18	Req.	9	8'-0"
Accessible Ground Level Components Shown	22	Req.	6	
Different Types of Ground Level Components	8	Req.	3	

SUPERmax PLAY SYSTEMS

Order 6441621

ISO 9001 CERTIFIED



This equipment is designed for children **5-12** years old

TOTAL OVERALL AREA
REQUIRED 3000 SQ FT.
230 LINEAR FT.

THE SITE DIMENSIONS WERE REFERENCED FROM SATELLITE IMAGING AND MUST BE VERIFIED FOR ACCURACY.

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Pleasant Valley School District
600 Temple Ave
Camarillo, CA 93010

Play & Park Structures

This play equipment is recommended for children ages:
5-12

Minimum Area Required:
75'-0" X 40'-0"

Scale: 1/4" = 1'-0"
This drawing can be scaled only when in an 24" x 36" format

Drawn By:
Kimber Scroggins
Date:
1/28/2026
Quote Number:
821-180681B

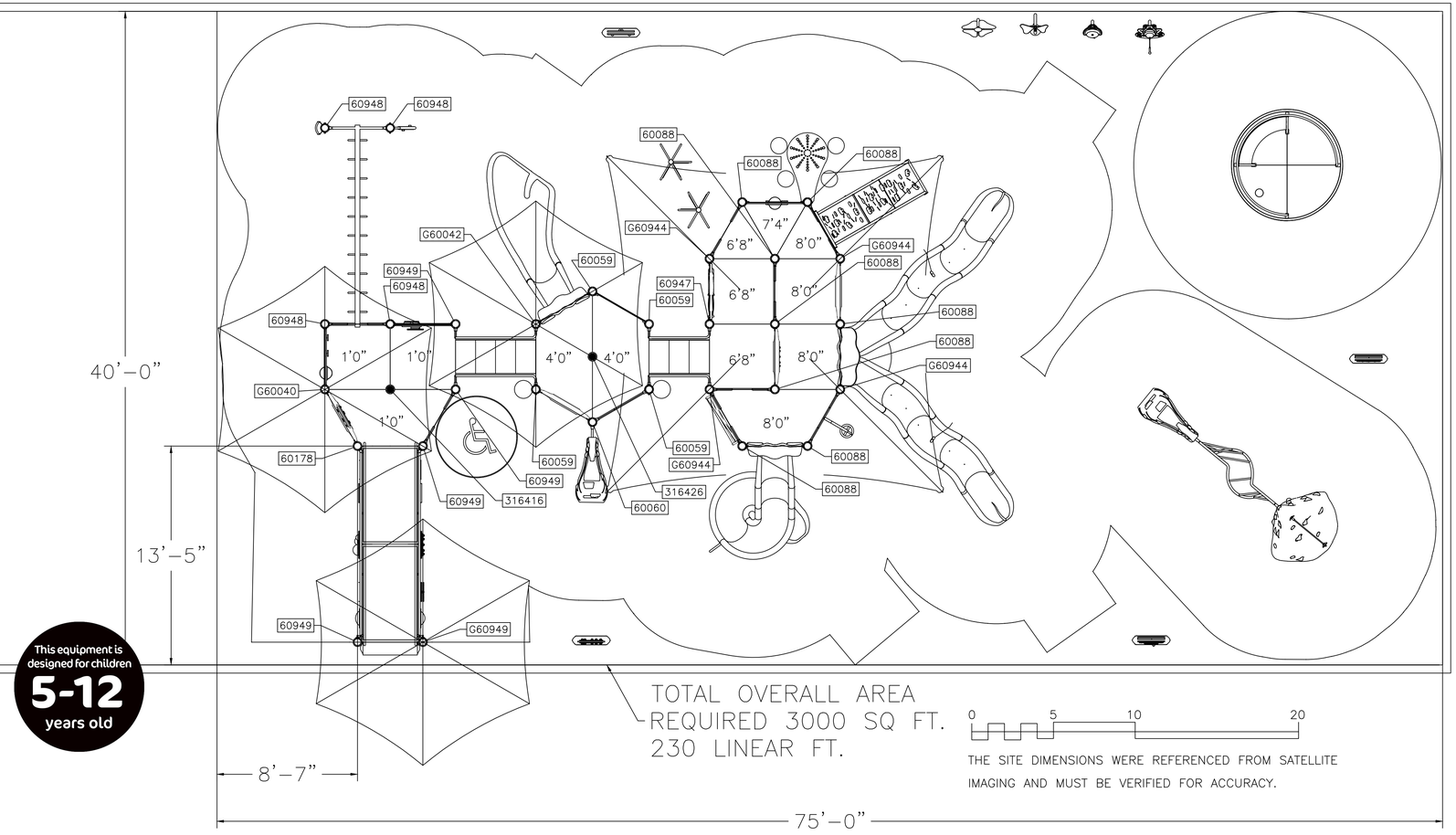
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Total Play Components	40			User Capacity
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Different Types of Ground Level Components	8	Req.	3	

SUPERmax PLAY SYSTEMS

Order 6441621

ISO 9001 CERTIFIED



This equipment is designed for children **5-12** years old

UPRIGHT INFORMATION

UPRIGHT	DESCRIPTION
316416	41.625" ALUM FLAT CAP UPRIGHT
316426	77.625" ALUM FLAT CAP UPRIGHT
60059	10' GENERIC UPRIGHT w/CAP
60060	12' GENERIC UPRIGHT w/CAP
60088	14' GENERIC UPRIGHT w/CAP
60178	8' GENERIC UPRIGHT w/CAP
60947	13' GENERIC UPRIGHT w/CAP
60948	11' GENERIC UPRIGHT w/CAP
60949	7' GENERIC UPRIGHT w/CAP
G60040	11' GENERIC UPRIGHT wo/CAP
G60042	14' GENERIC UPRIGHT wo/CAP
G60944	15' GENERIC UPRIGHT wo/CAP
G60945	9' GENERIC UPRIGHT wo/CAP
G60949	7' GENERIC UPRIGHT w/CAP

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