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-6441617

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:

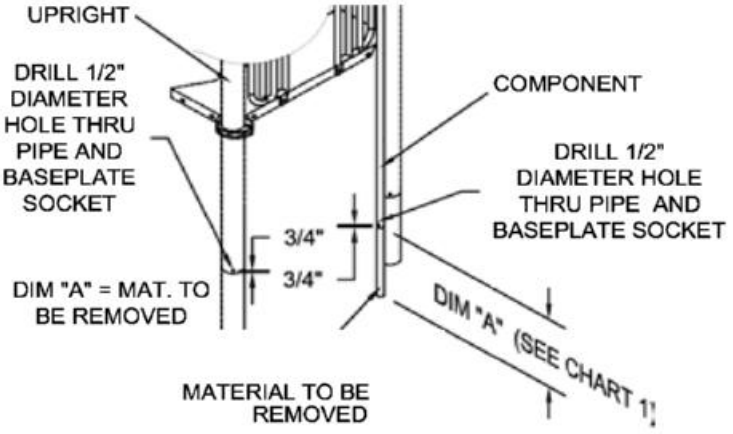
544 Chestnut Street, Chattanooga, TN 37402
TOLL Free: 800.727.1907 FAX: 423.425.3172
EMAIL: customerservice@playandpark.com
Visit our website: www.playandpark.com

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!

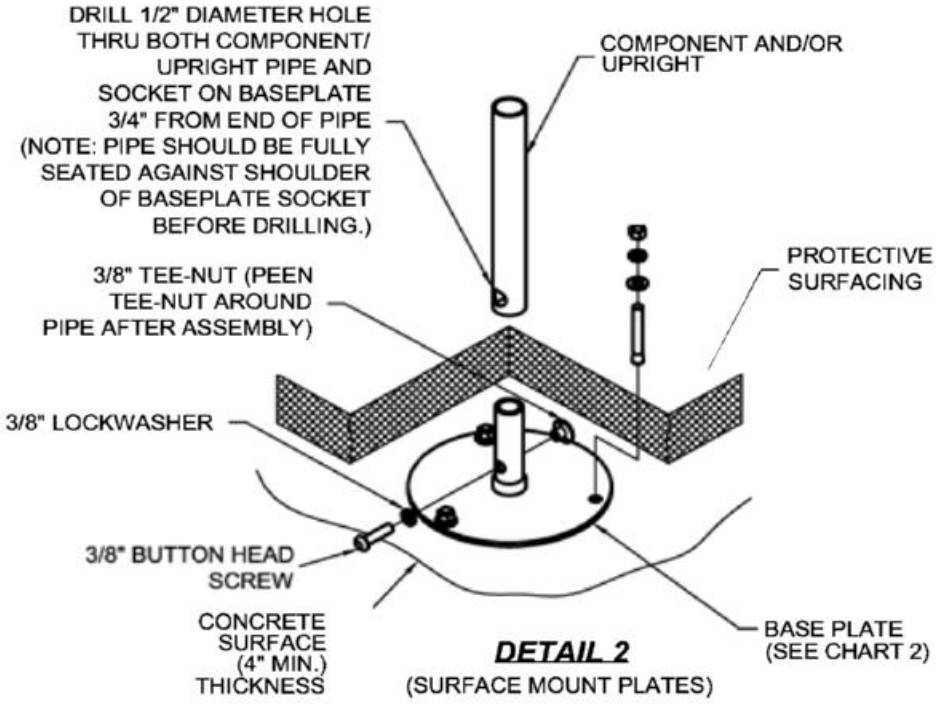
***CHART 1***

| 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)

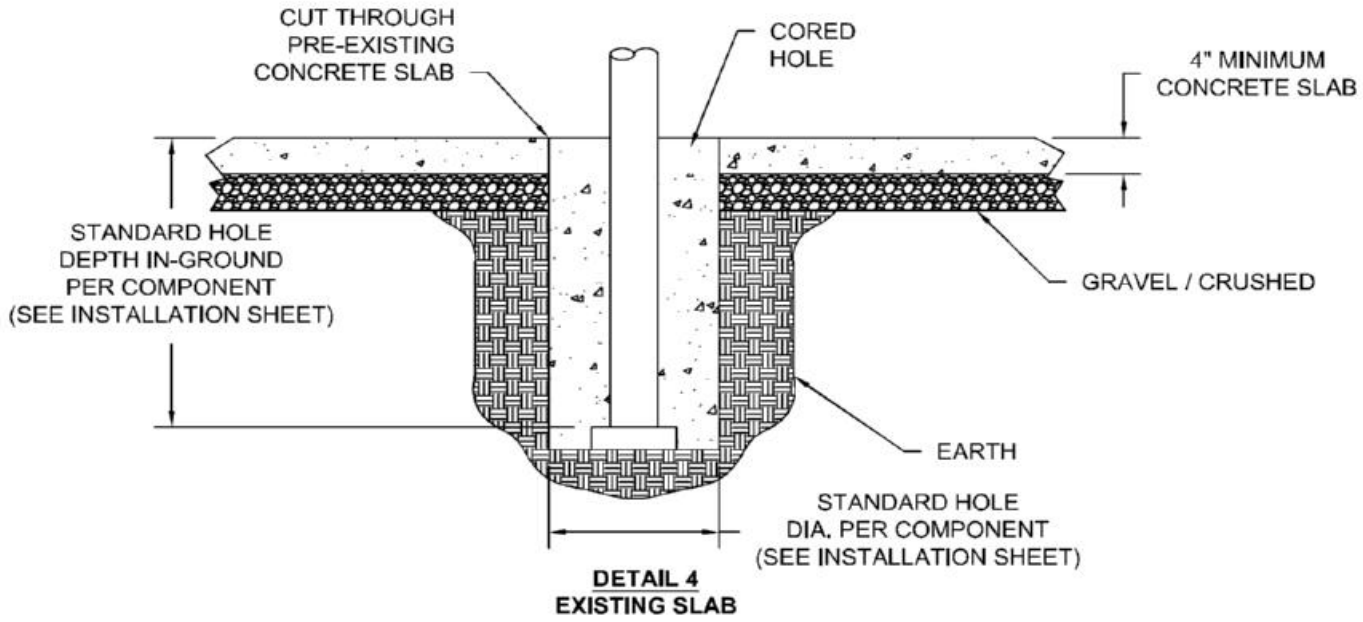



***DETAIL 2***

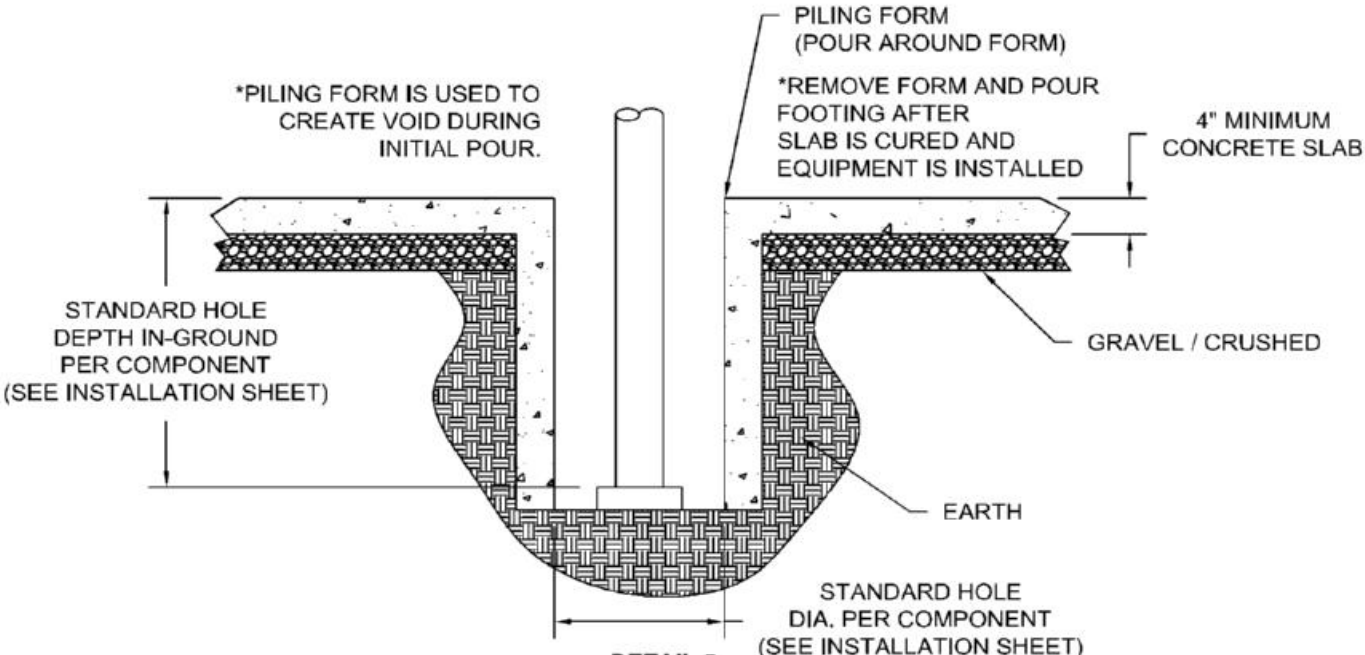
(SURFACE MOUNT PLATES)

***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.

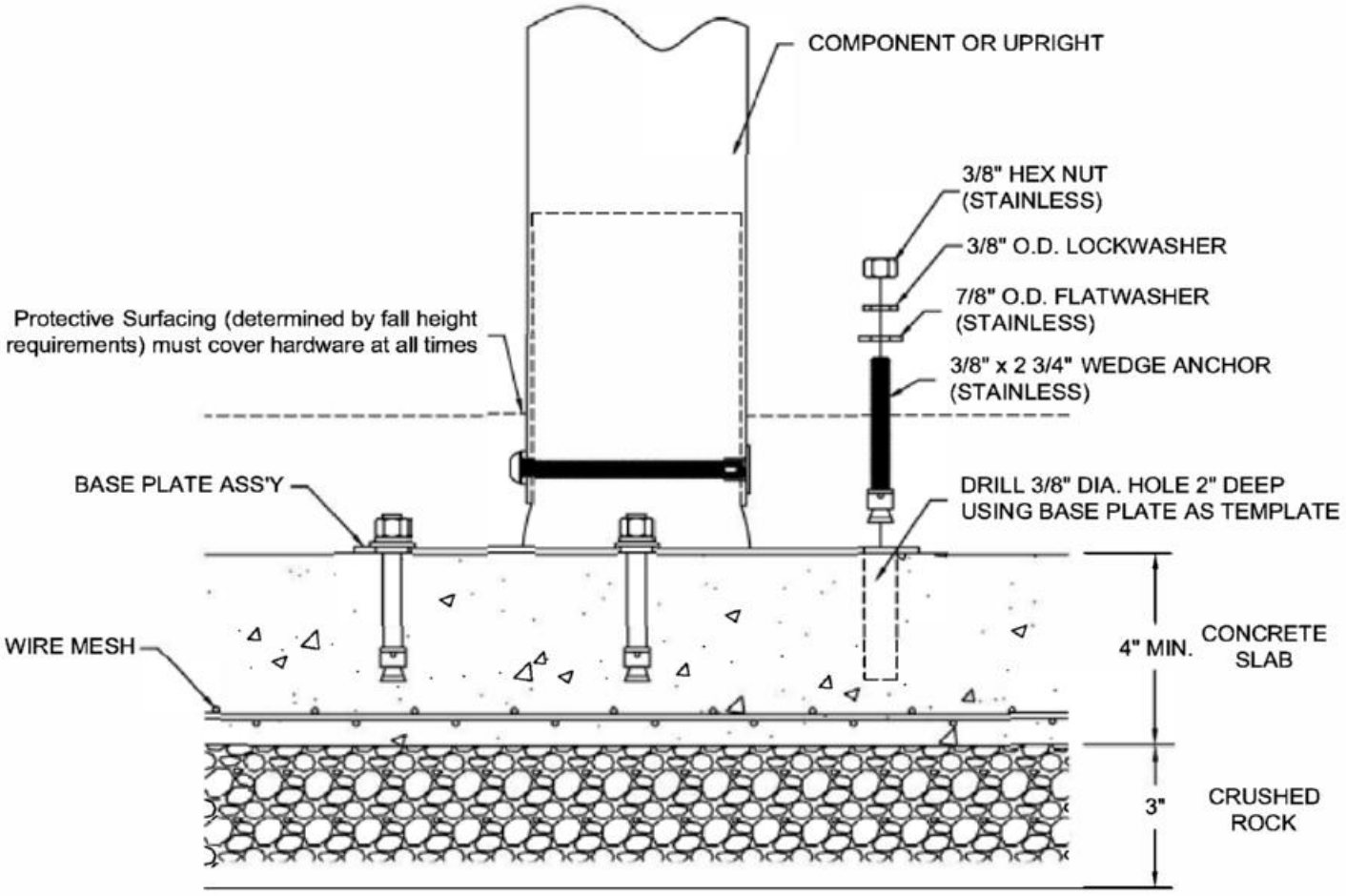
***NOTE:*** If concrete slab is pre-existing and a cored hole is required it must be drilled through exisitng concrete to allow for concrete footing. Review your standard installation sheet for correct size and location of cored hole. See Detail 3.

***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.

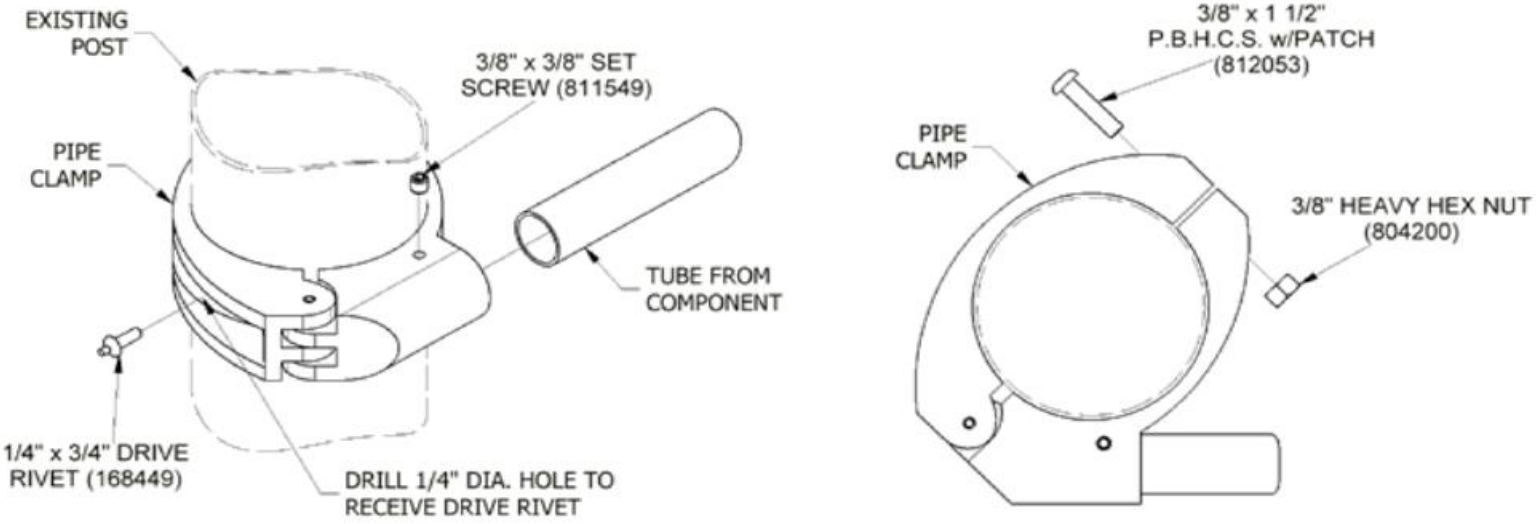
## *CONCRETE SPECIFICATIONS*

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.



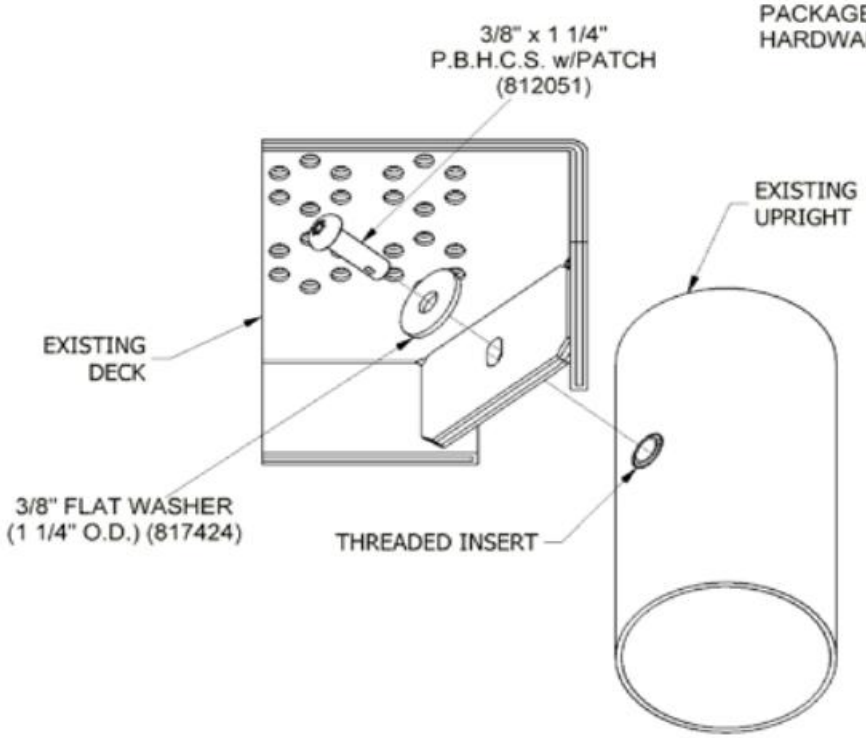

**DETAIL 3**
**SIDE VIEW OF SURFACE MOUNT**

# Clamp Assembly Details




**TYPICAL DURAMAX PIPE CLAMP ASSEMBLY**

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

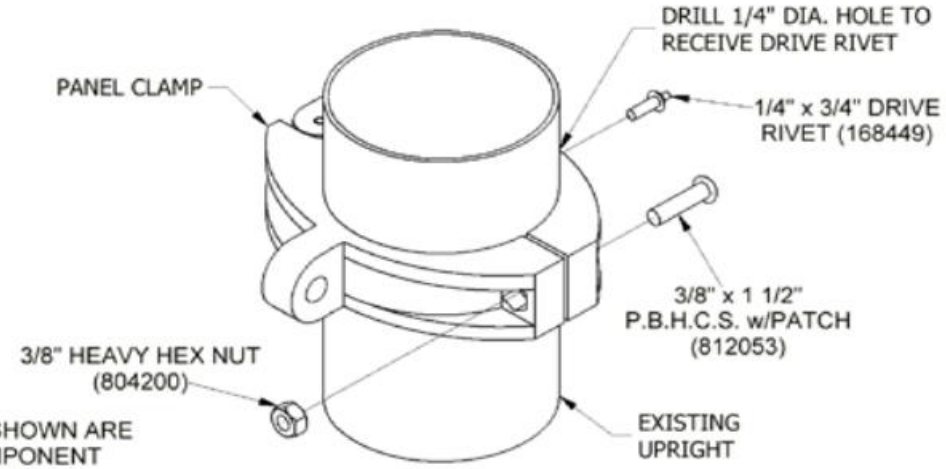



**TYPICAL DURAMAX DECK CONNECTION**

Issued/Revised: 4/4/2016

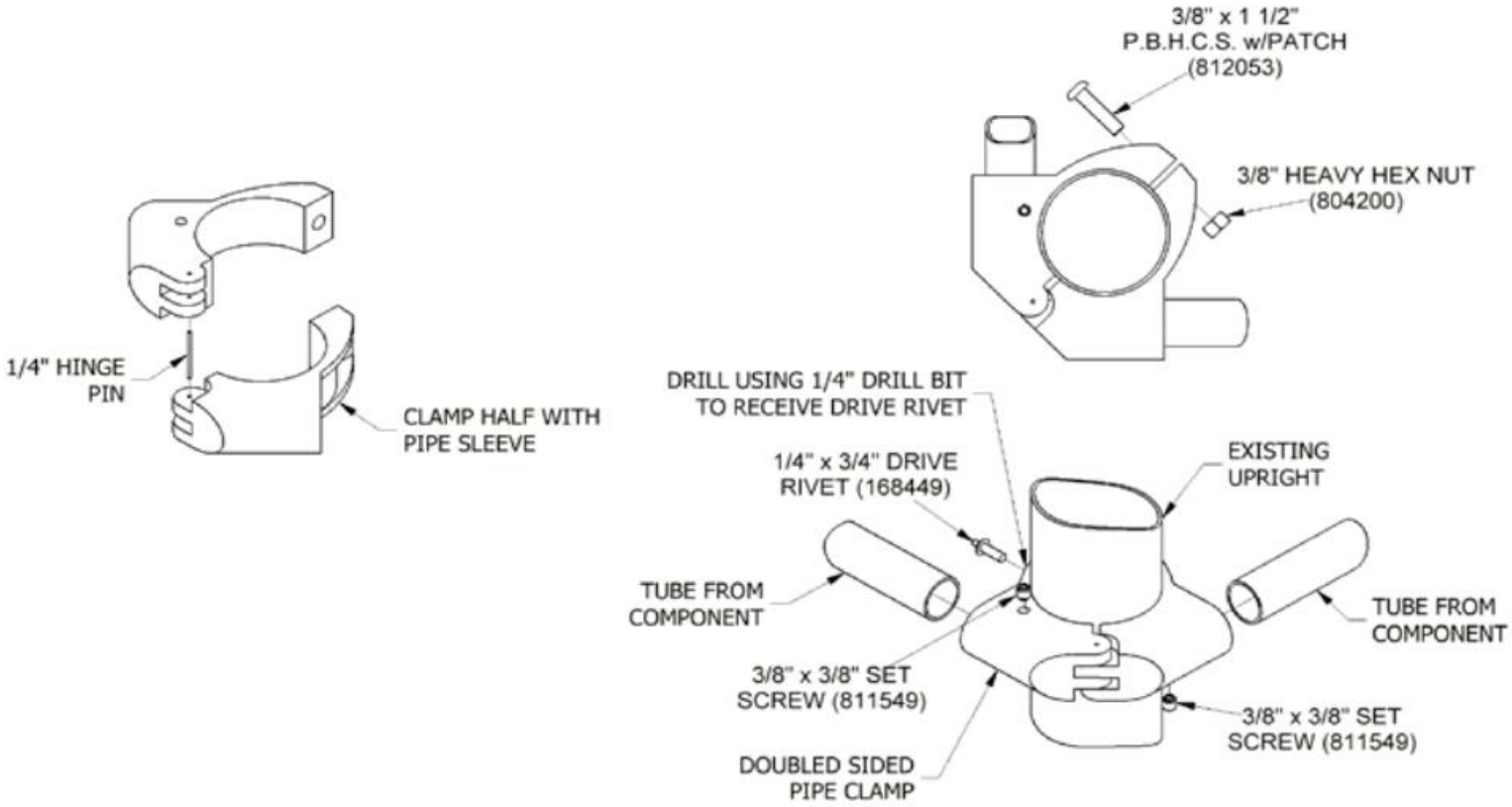
SHEET 1 OF 2

# 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.

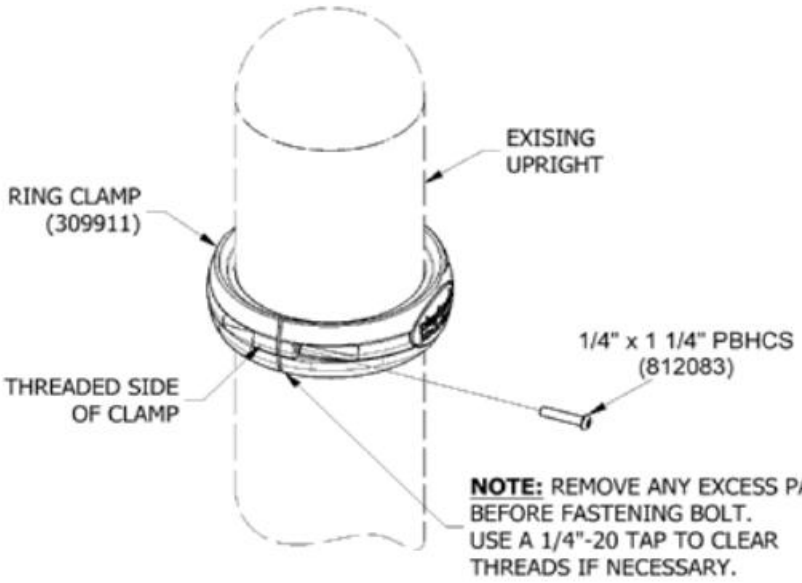
ASSEMBLY INSTRUCTIONS: Use two regular Pipe Clamps and remove hinge pins. Select clamps with pipe sleeves to create the Double Sided Pipe Clamp. Insert hinge pin back into clamps as shown above.

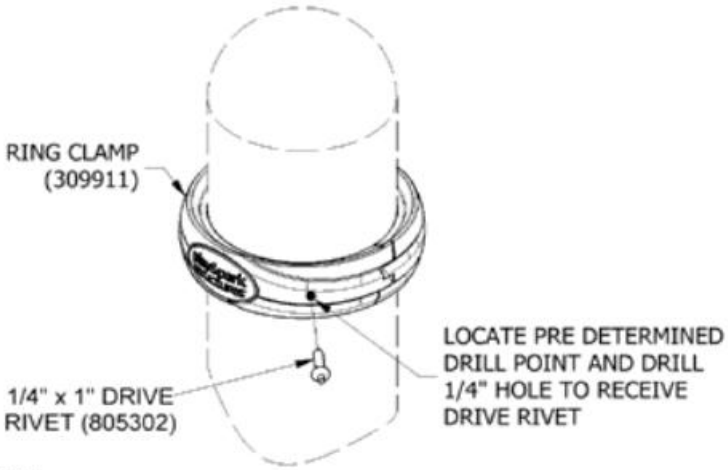
## TYPICAL DURAMAX DOUBLE SIDED PIPE CLAMP ASSEMBLY

Issued/Revised: 4/4/2016

SHEET 2 OF 2

# Clamp Assembly Details



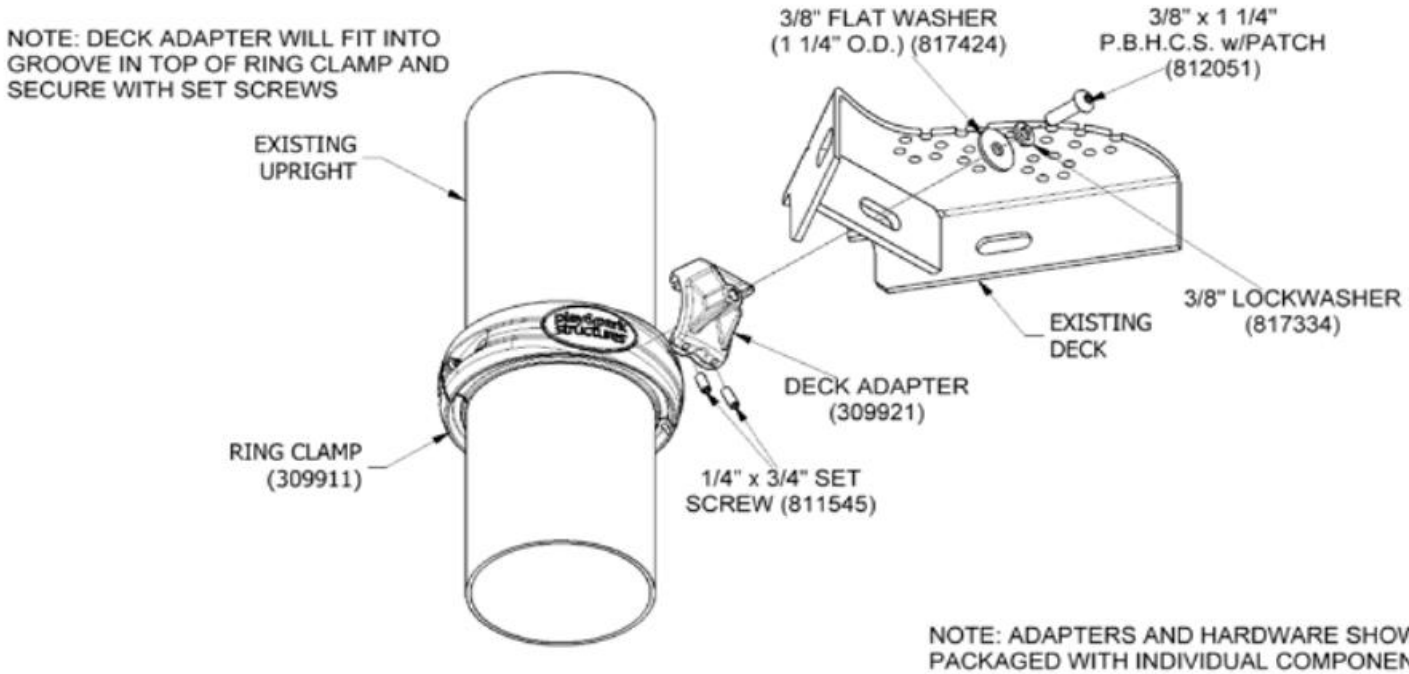

NOTE: THE USE OF LOCTITE IS IMPORTANT.

**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



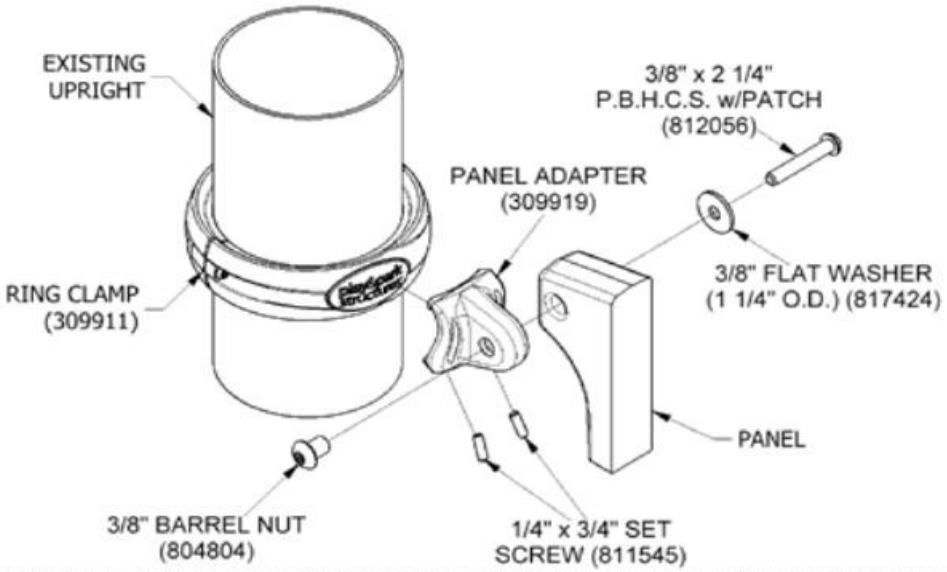

NOTE: ADAPTERS AND HARDWARE SHOWN ARE PACKAGED WITH INDIVIDUAL COMPONENT HARDWARE COMPLETE PACKAGES

Issued/Revised: 4/11/2016

## TYPICAL SUPERMAX DECK CONNECTION

SHEET 1 OF 2

# Clamp Assembly Details

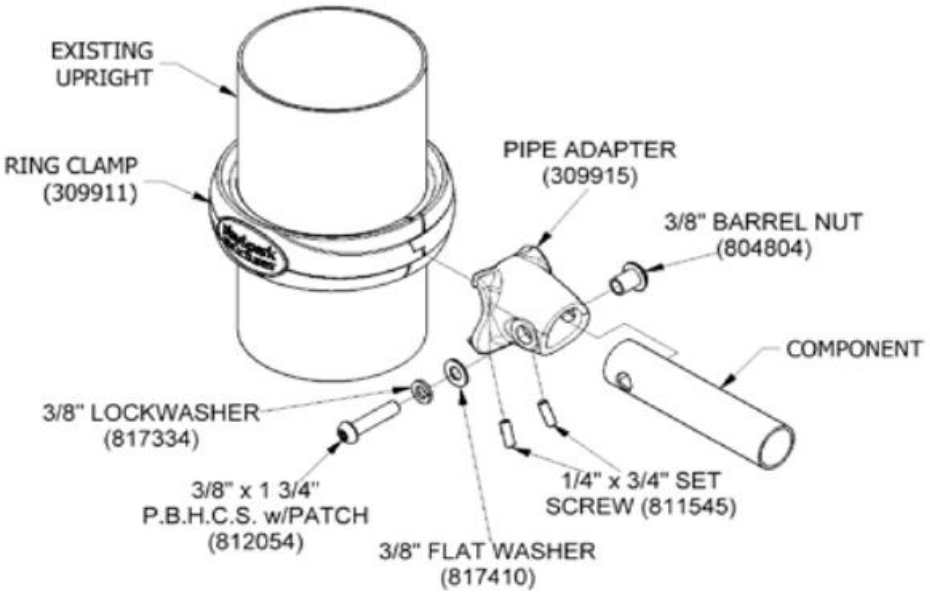



NOTE: PANEL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.

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

play&park structures
A PLAYCORE Company

Play Area Site Name _____

Play Area Location or Description _____

Date _____ Inspector _____

| Item Number | OK | Problem | Solution | Date Repaired | Initials |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

# PLAYGROUND MAINTENANCE CHECKLIST

play&park structures
A PLAYCORE Company

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 .) | | | |

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

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

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

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

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

## ***SPECIFICATIONS:***

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

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

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

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

## INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*
2. Attach Wave Sounds One Sided to Spacers using 3/8" x 3" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" T-Nut. See Detail 542.
3. Attach Wave Sounds One Sided and Spacers to Rotomold using 3/8" x 3 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. See Detail 543.
4. Batteries (supplied by others) should be installed in water tight housing. See Detail 544.
5. Plumb and level the entire assembly and tighten all fasteners.
6. After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use. Temporary bracing may be required until concrete cures.
7. When structure is finished and satisfactory, eliminate sharp points and edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

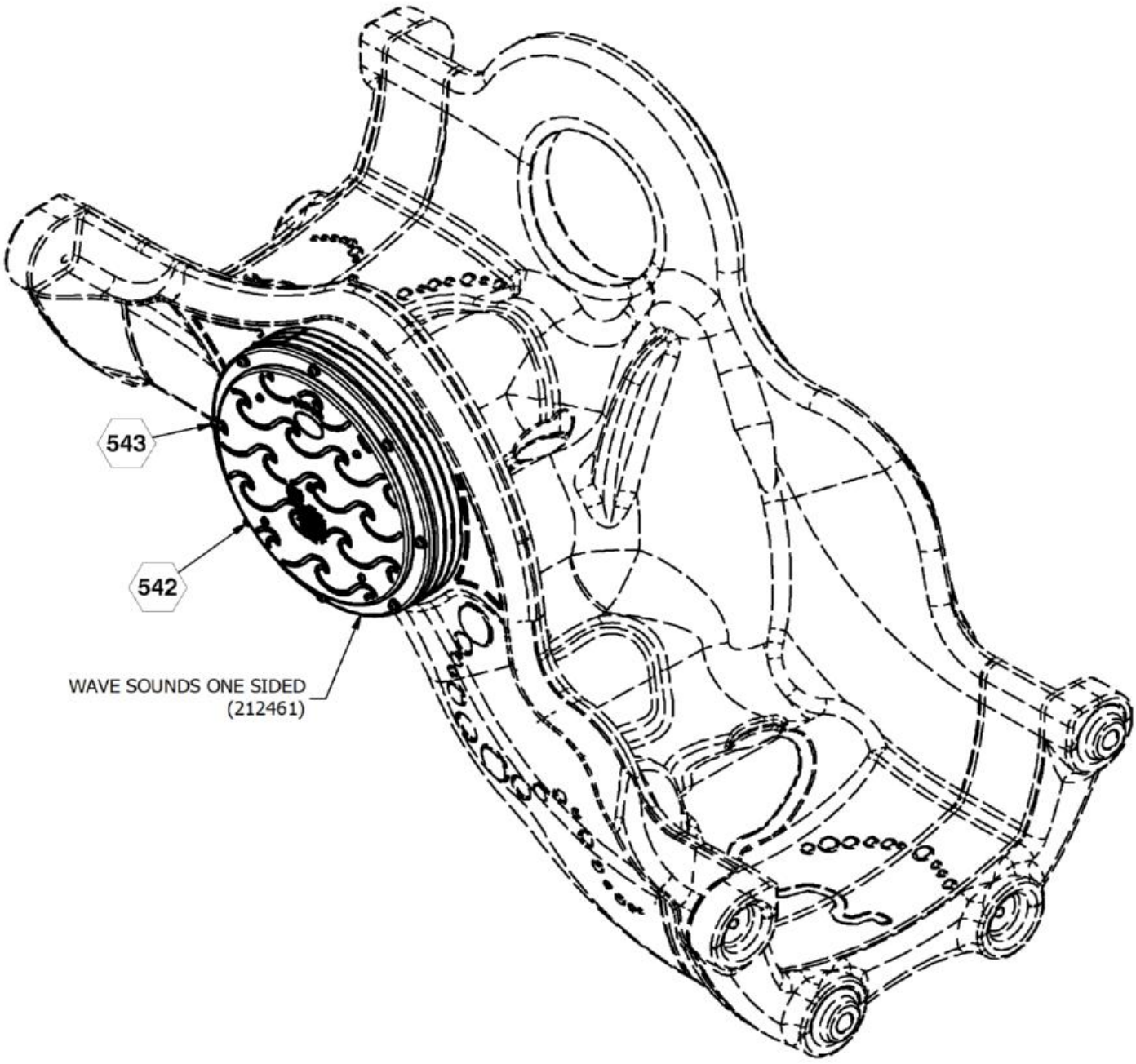
## INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*
2. Attach Wave Sounds Two Sided and Rings to Rotomold using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 816.
3. Attach Back Cover to Rotomold using 3/8" x 2 3/4" P.B.H.C.S w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 817.
4. Batteries (supplied by others) should be installed in water tight housing. See Detail 544.
5. Plumb and level the entire assembly and tighten all fasteners.
6. After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use. Temporary bracing may be required until concrete cures.
7. When structure is finished and satisfactory, eliminate sharp points and edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

## MAINTENANCE PROCEDURE:

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

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



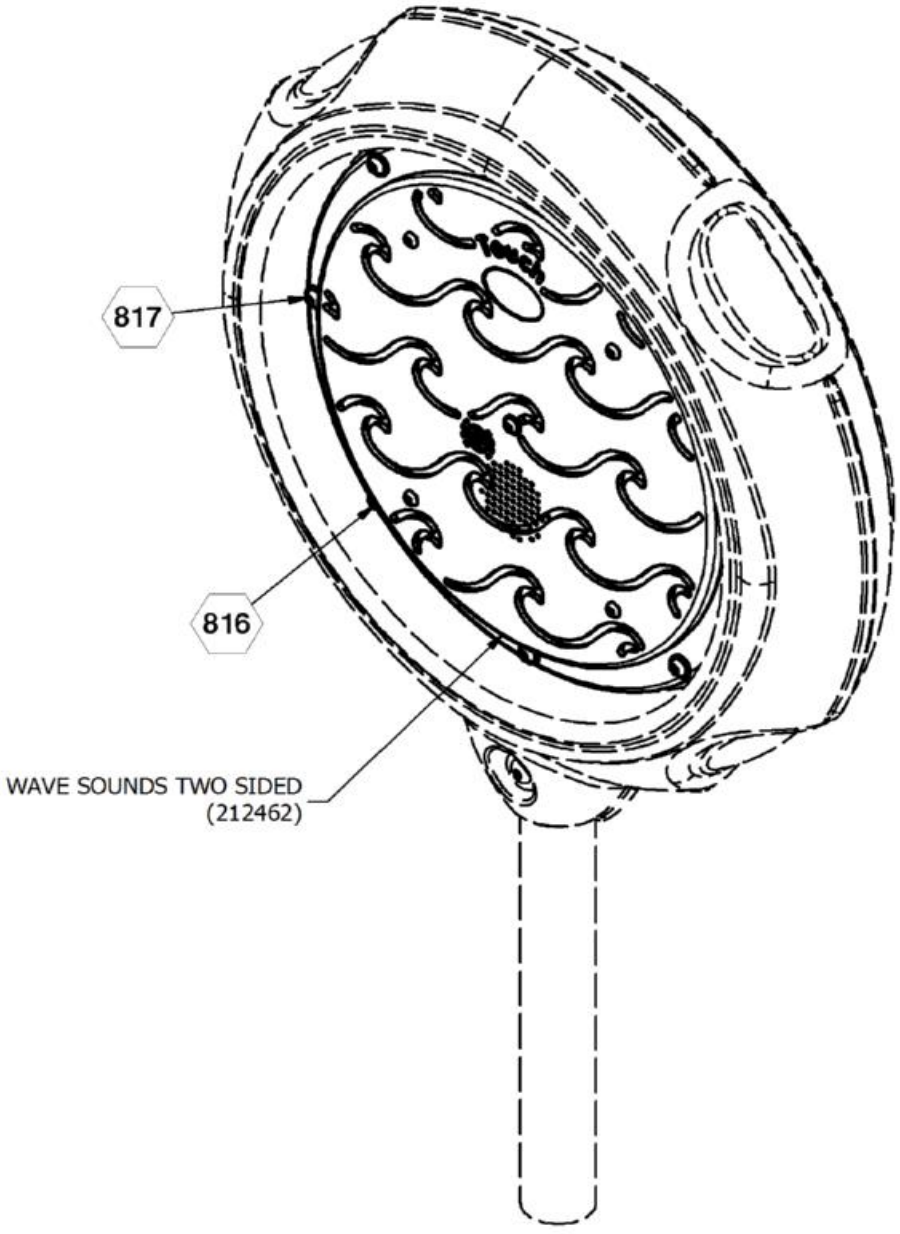

***FINISHED ASSEMBLY***
***7345 SHOWN***

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 2/2/2017

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



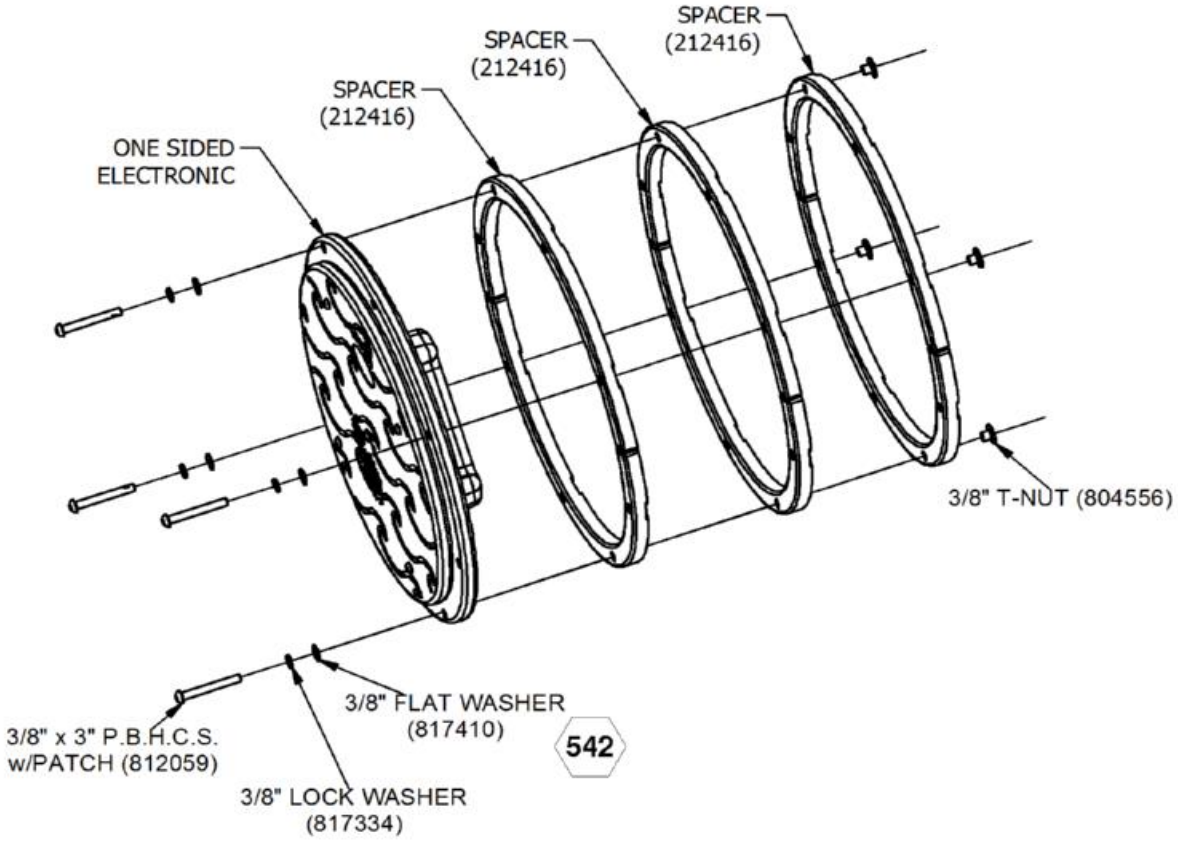

⬡ = INSTALLATION DETAIL

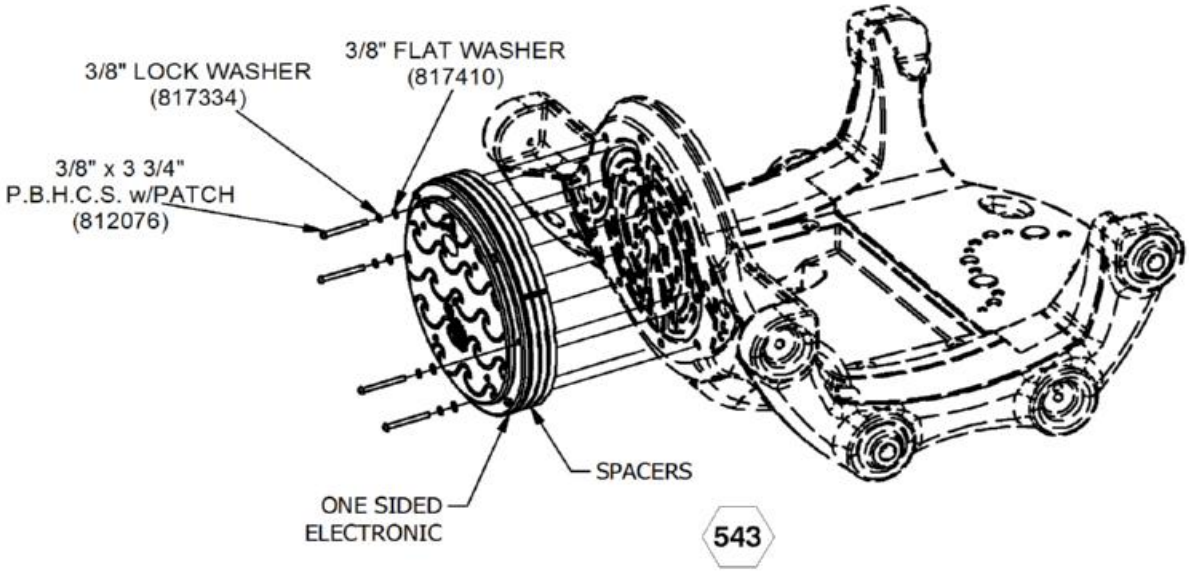
Issued/Revised: 2/2/2017

***FINISHED ASSEMBLY***
***7346 SHOWN***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

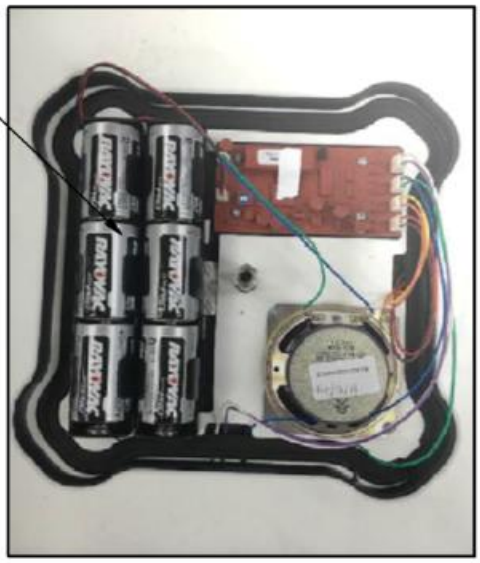
# 7345 20" ONE SIDED WATER WAVES w/ADAPTIVE SWITCH PORT
# 7346 20" TWO SIDED WATER WAVES w/ADAPTIVE SWITCH PORT



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

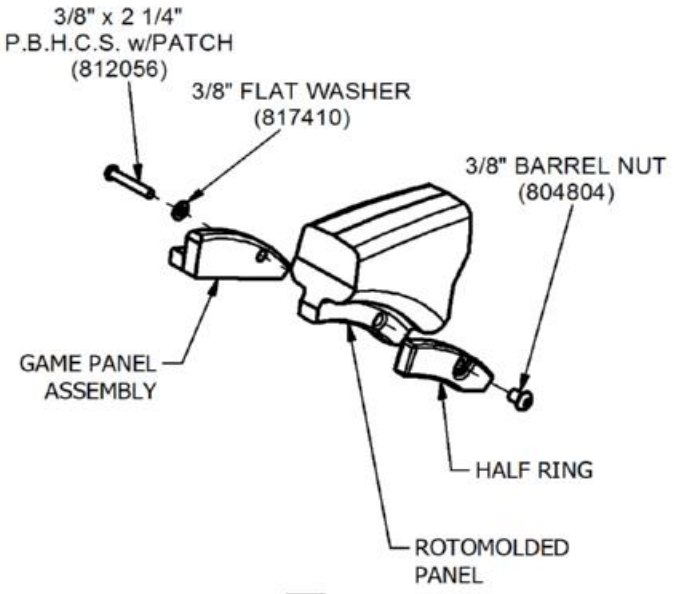
BATTERY REPLACEMENT
(6) D-CELL BATTERIES



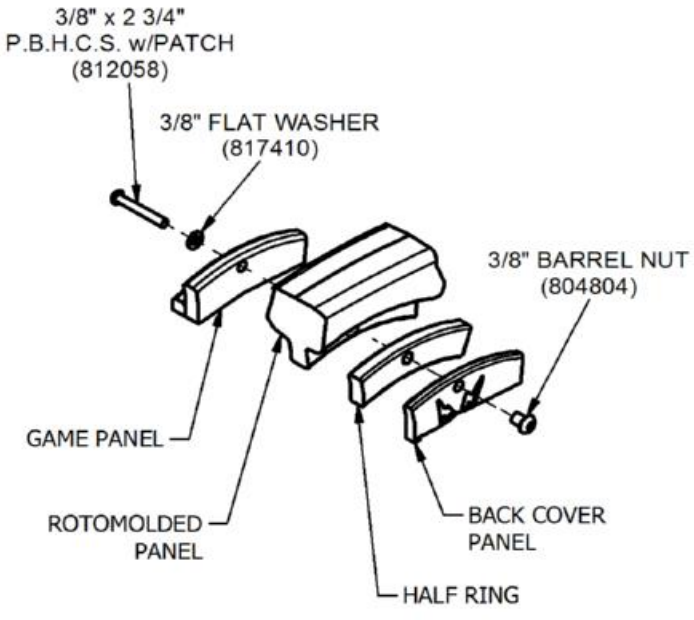
TO REPLACE BATTERIES OR ADJUST VOLUME REMOVE BACK OF BOX WITH TOOL PROVIDED.

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

544




816




817

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

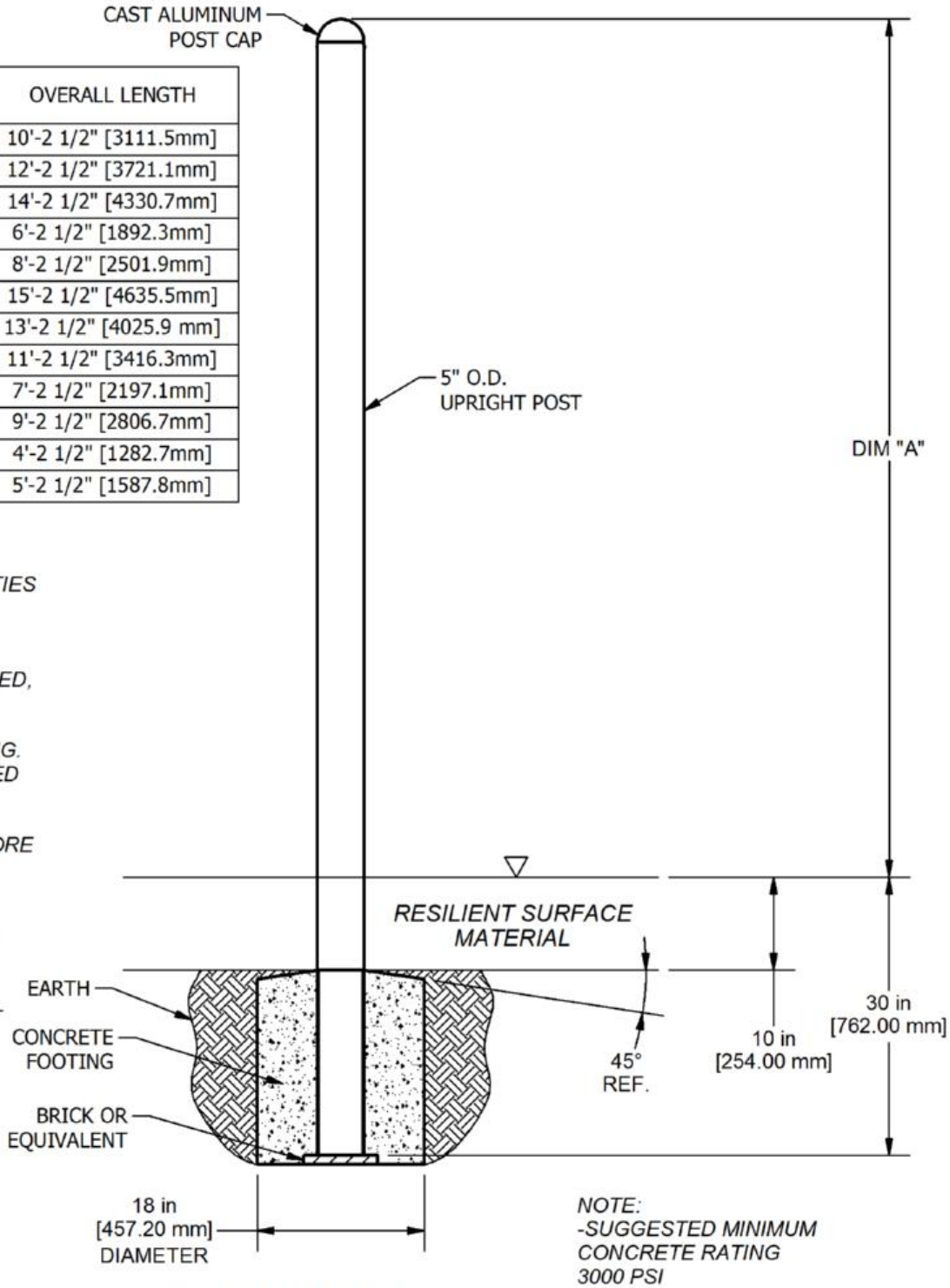
# 60059 (10'), 60060 (12'), 60088 (14'), 60102 (6'), 60178 (8'), 60946 (15'), 60947 (13'), 60948 (11'), 60949 (7'), 60956 (9'), 61538 (4'), 61539 (5') SUPERMAX POST w/ CAP

*(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:***

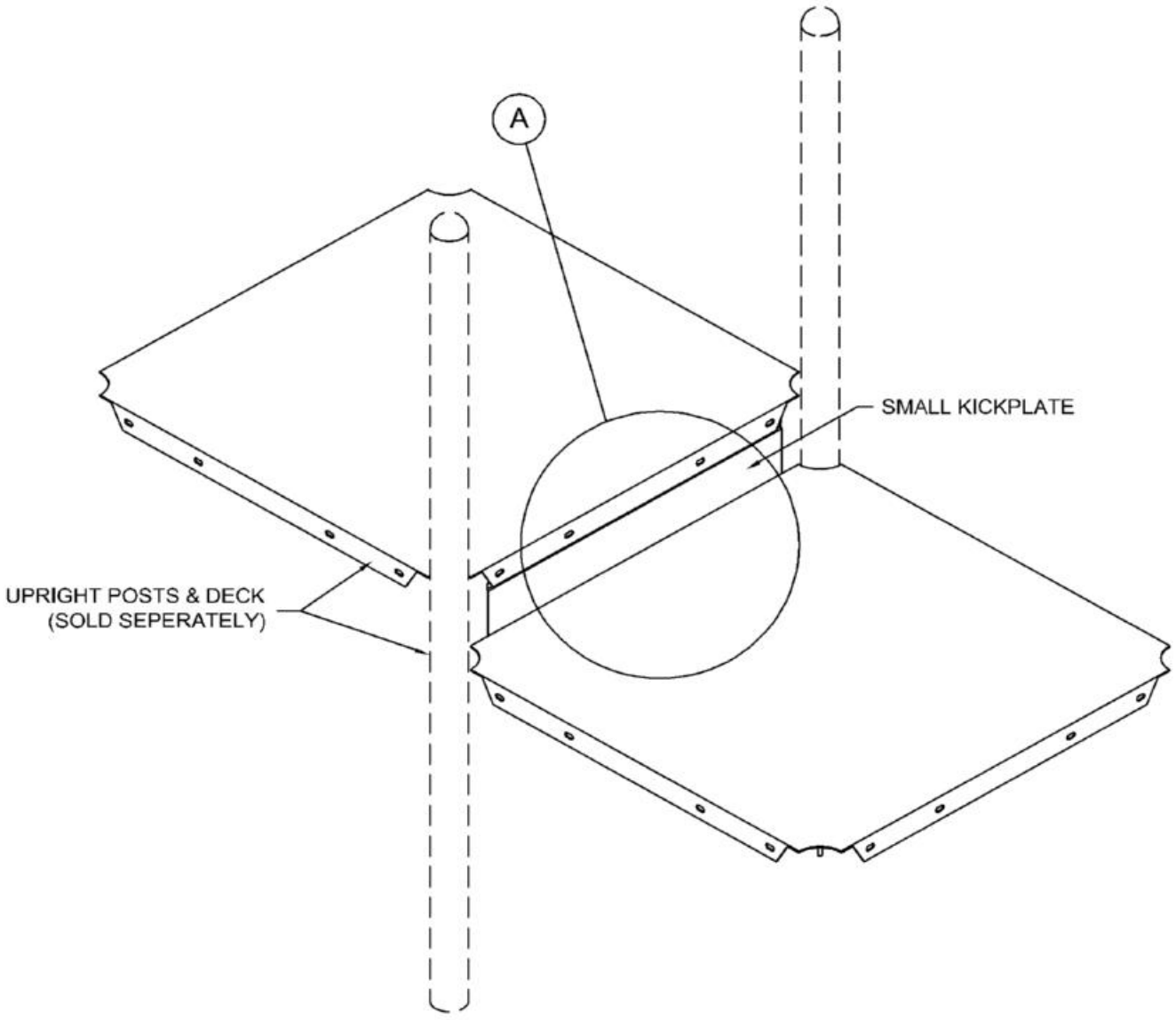
1. Refer to the main drawing to locate decks, which are spaced 8" apart. These will require Kickplate(s). Attach Kickplates after decks have been installed, but before deck clamps have been pinned, in case adjustment in deck heights is required to match up holes in deck flanges with holes in Kickplate.

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:***

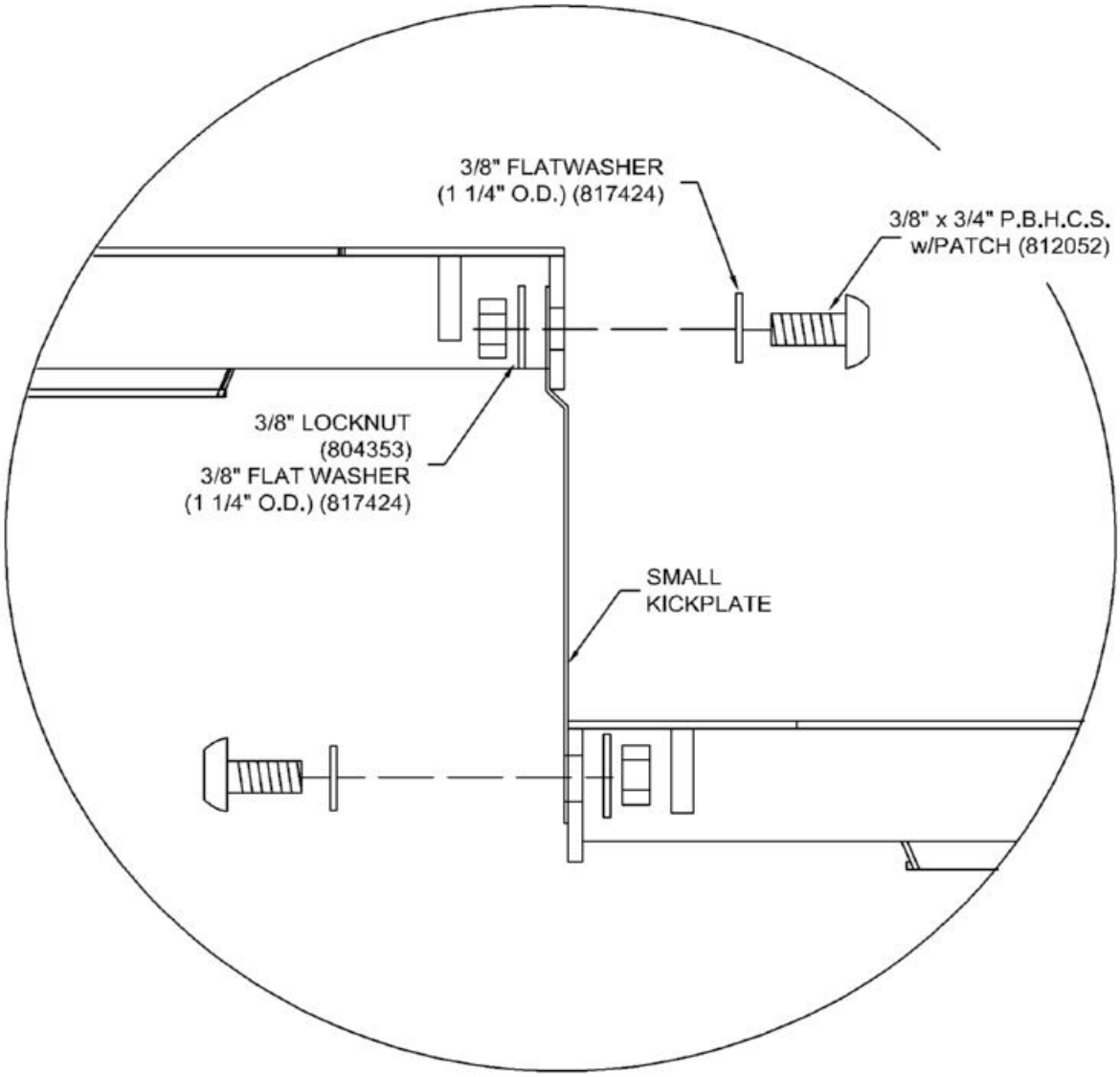
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check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

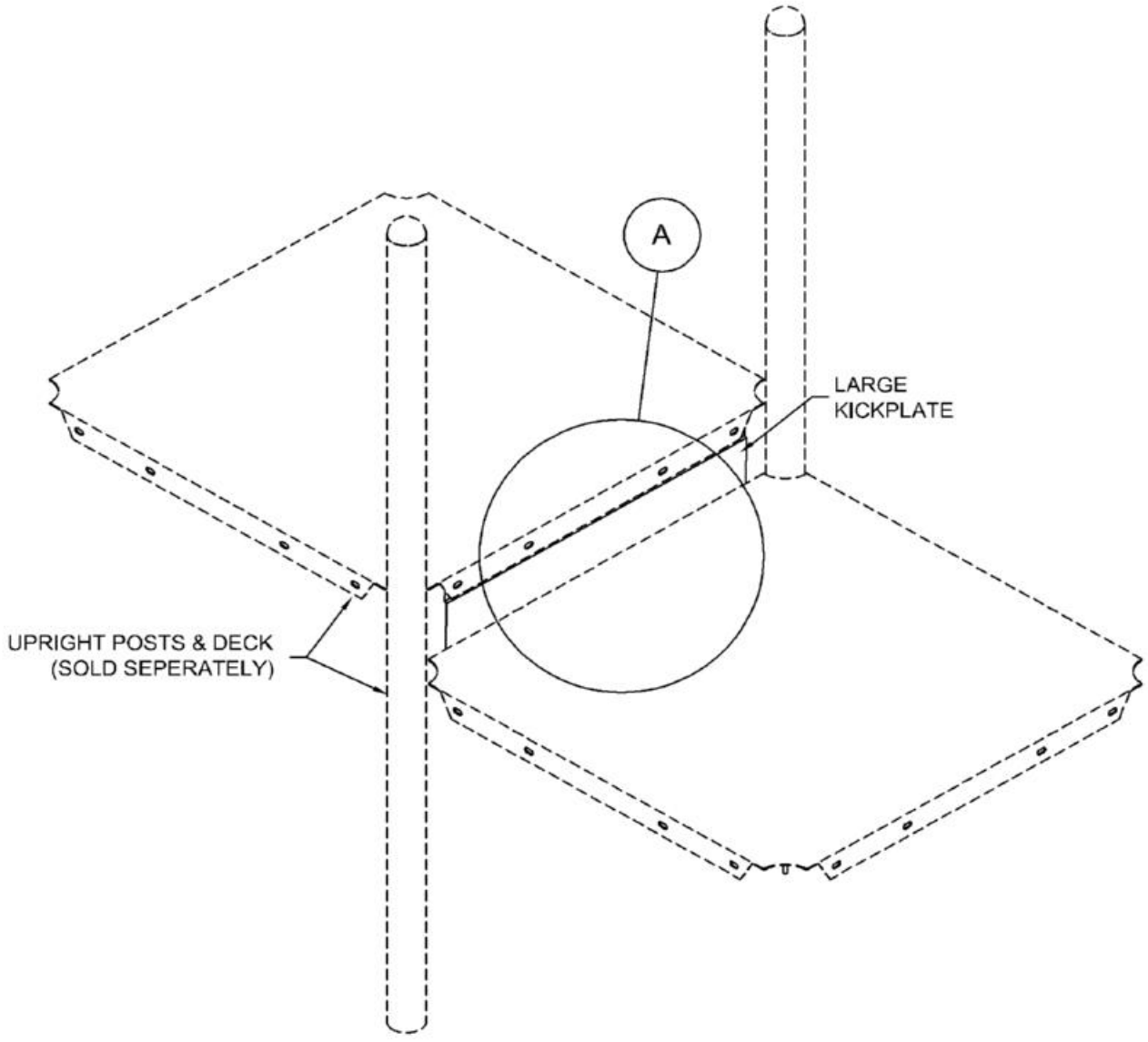
   IMPORTANT: No portion of the Kickplate should be protruding in a manner which could cause a user to receive a cut, scrape or trip over any edge. Any rough edges should be filed smooth, and any protruding corners should be flattened.

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:

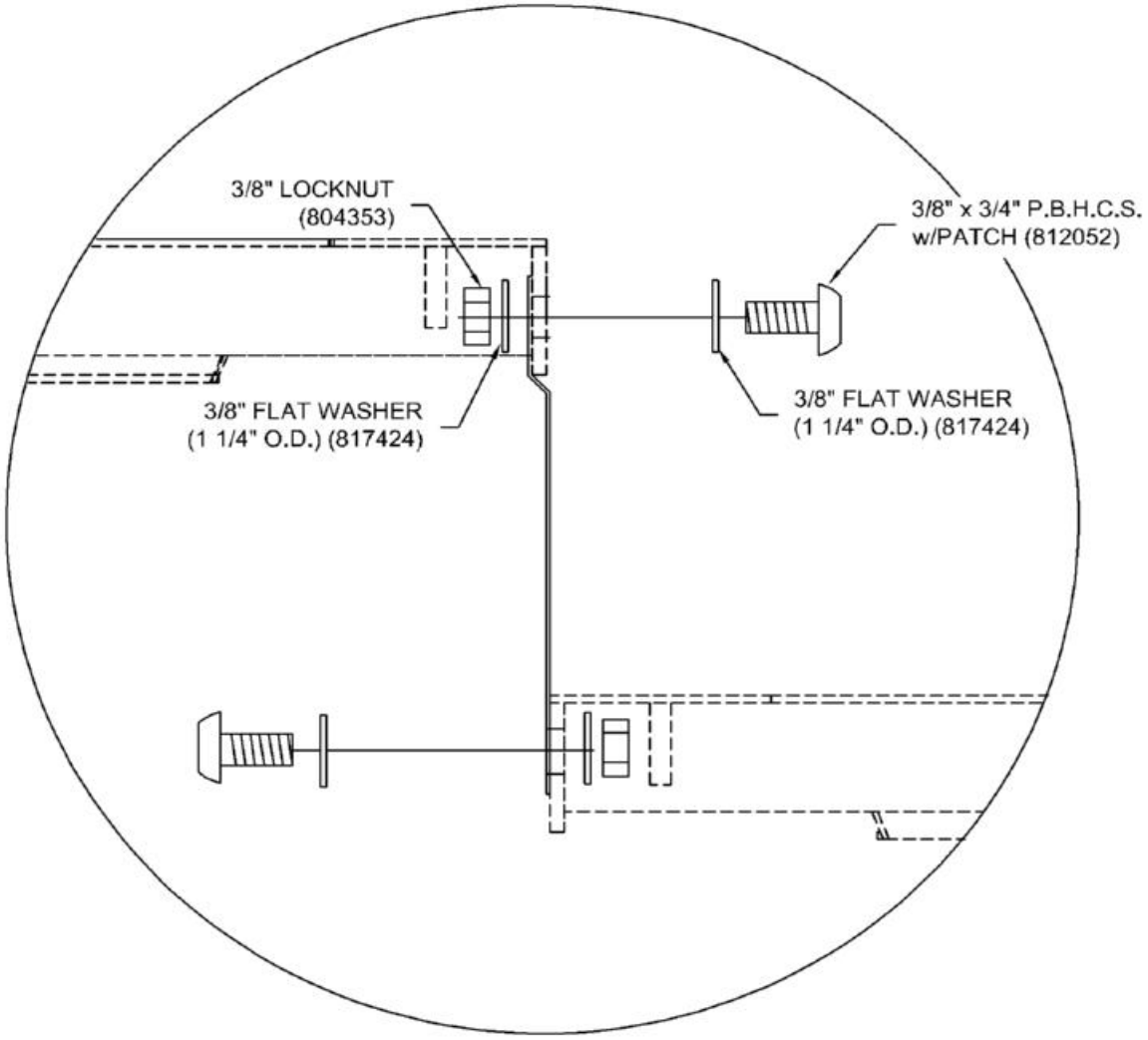
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Check for rust or paint loss and touch-up if necessary with paint. Check periodically resilient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

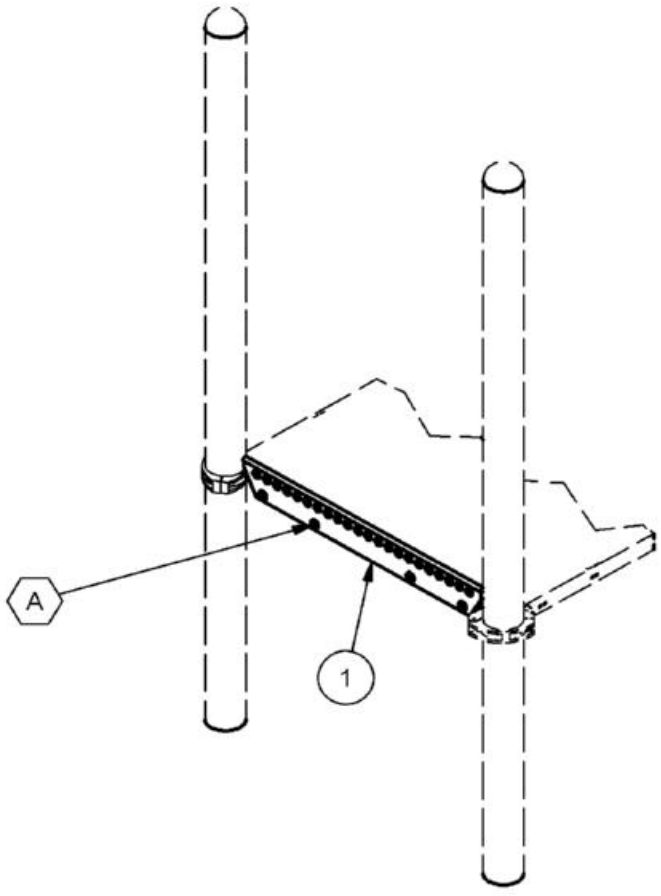
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

***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.



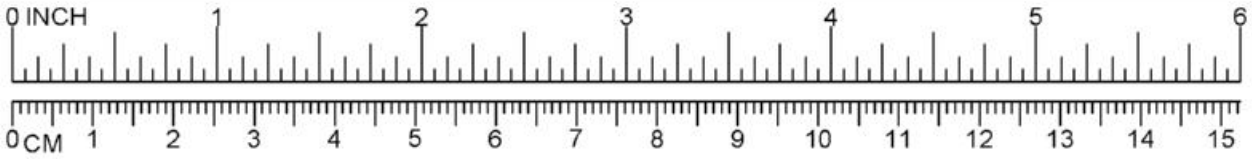
# DETAILS -for-
# 60645

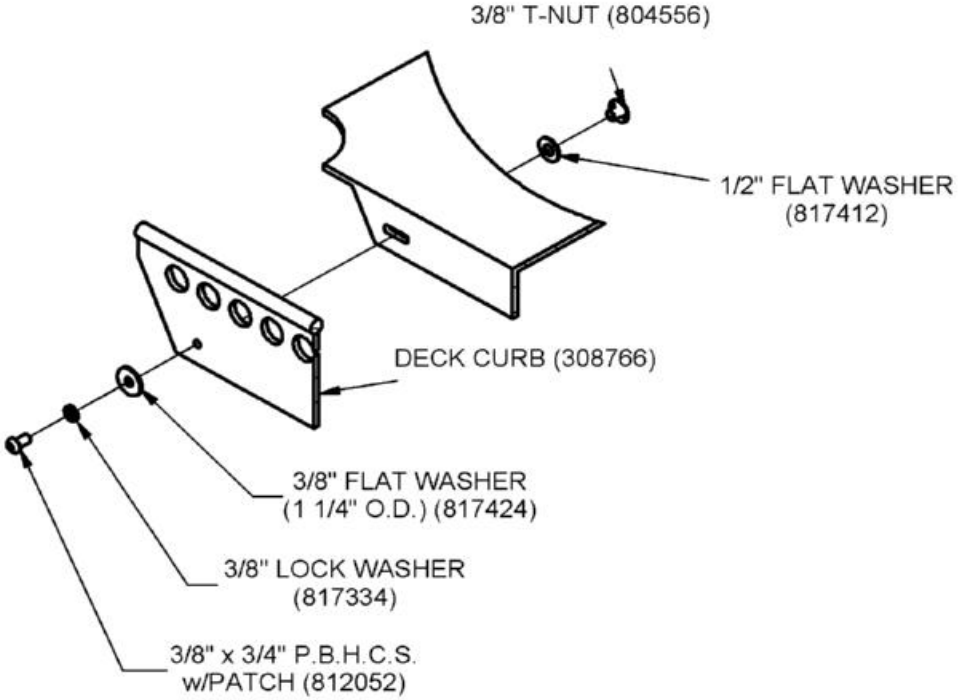
*IMPORTANT*

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"

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




**65280**
**65281**

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




**65282**

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

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

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

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

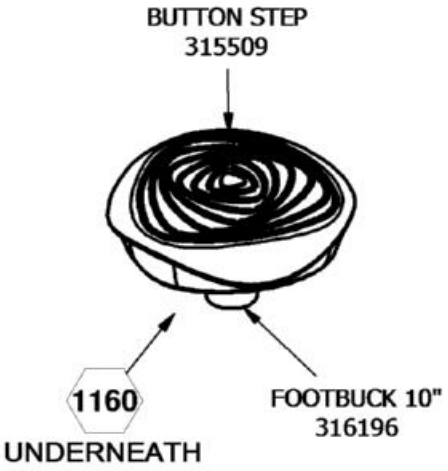
## INSTALLATION INSTRUCTIONS:

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

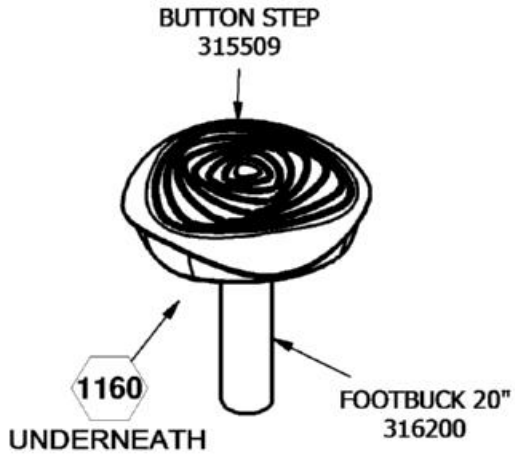
## MAINTENANCE PROCEDURE:

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

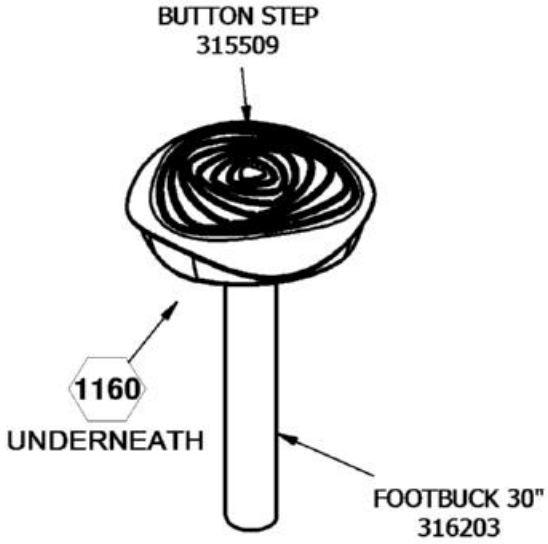
# 65280 BUTTON STEP 10"; 65281 BUTTON STEP 20"; 65282 BUTTON STEP 30"




65280 SHOWN

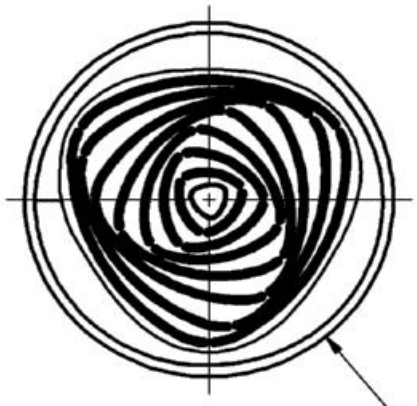



65281 SHOWN



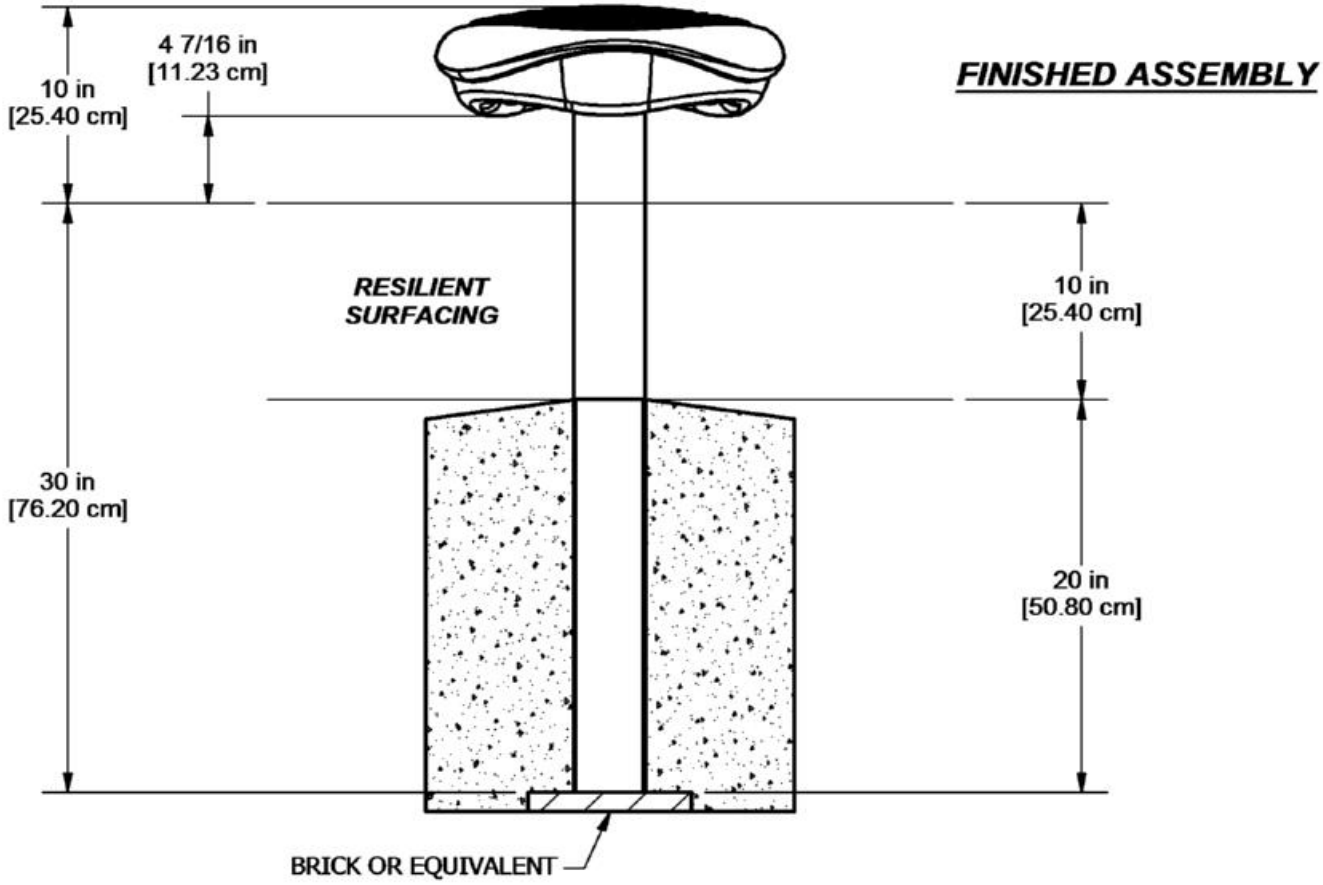

65282 SHOWN

# 65280 BUTTON STEP 10"



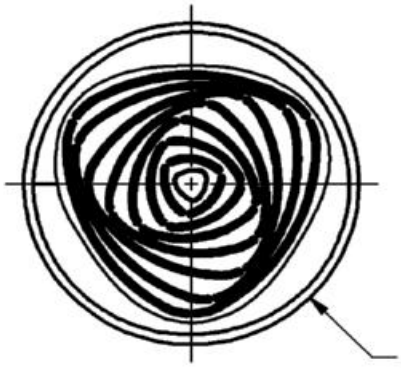

***PLAN VIEW***

**CONCRETE REQUIRED**
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



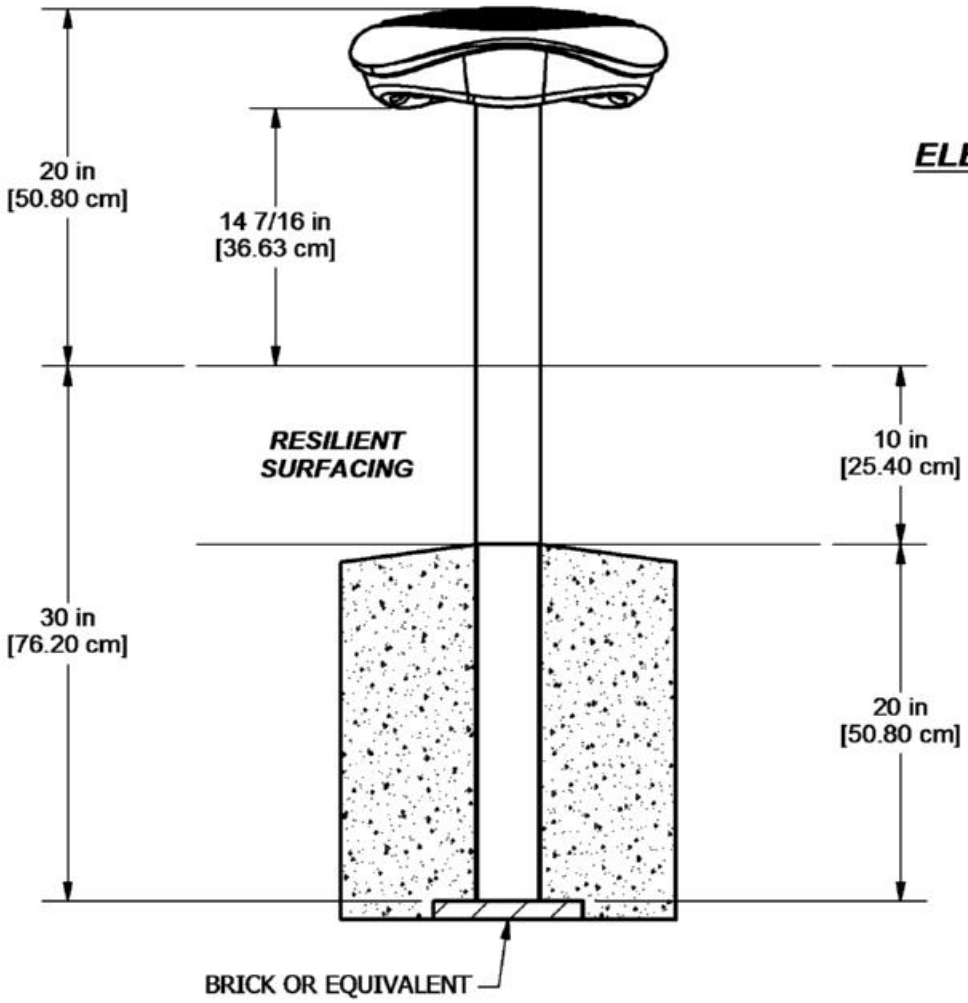

***FINISHED ASSEMBLY***

# 65281 BUTTON STEP 20"



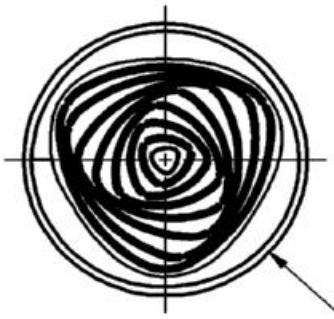

***PLAN VIEW***

**CONCRETE REQUIRED**
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



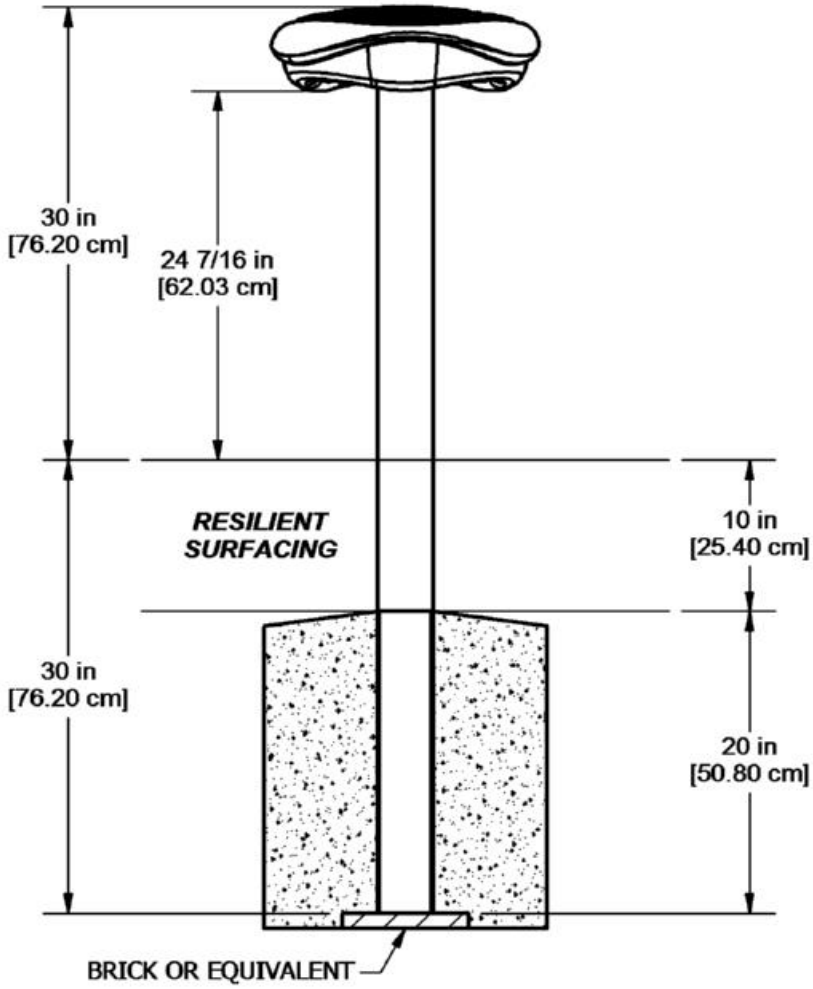

***ELEVATION VIEW***

# 65282 BUTTON STEP 30"



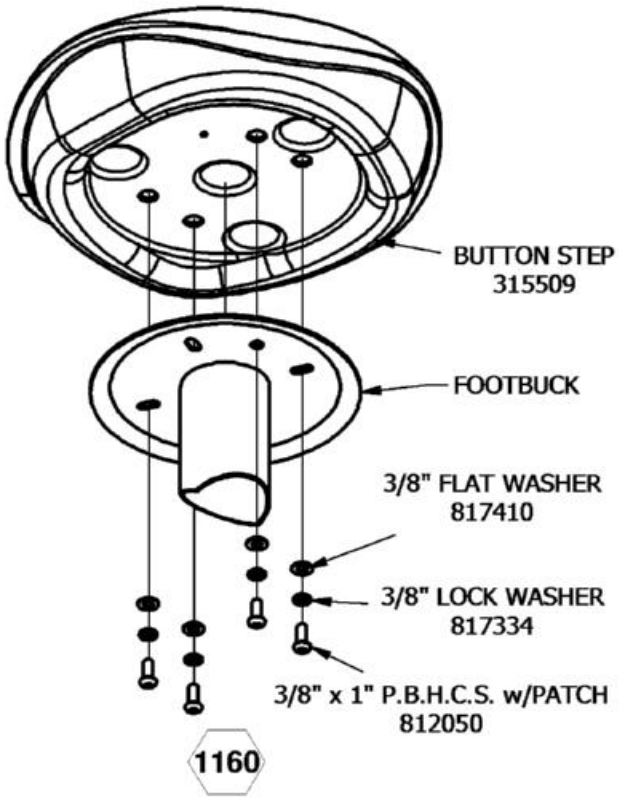

***PLAN VIEW***

**CONCRETE REQUIRED**
0.109 CUBIC YARDS
0.083 [CUBIC METERS]




***ELEVATION VIEW***

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



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




**65280**
**65281**

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




**65282**

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

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

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

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

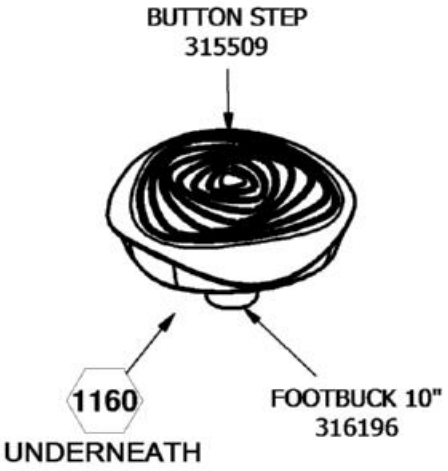
## INSTALLATION INSTRUCTIONS:

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

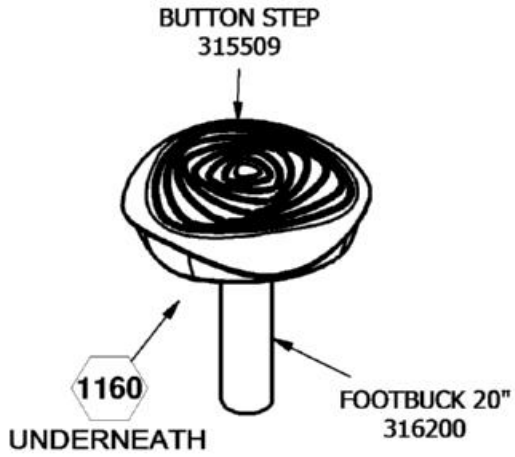
## MAINTENANCE PROCEDURE:

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

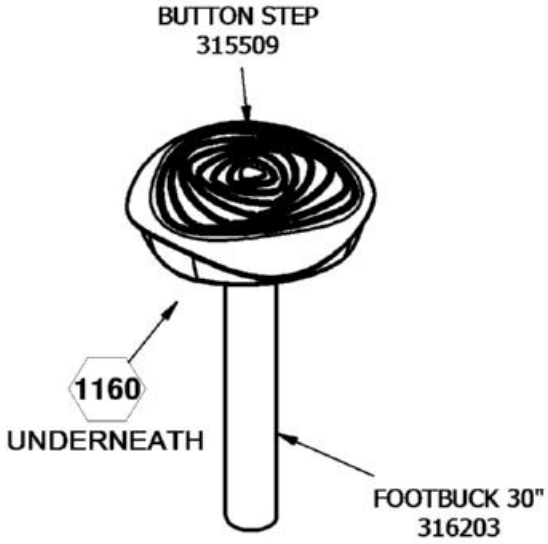
# 65280 BUTTON STEP 10"; 65281 BUTTON STEP 20"; 65282 BUTTON STEP 30"




65280 SHOWN

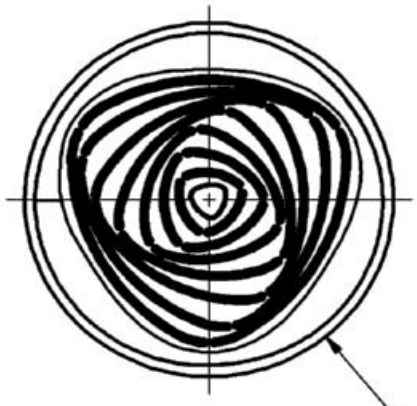



65281 SHOWN



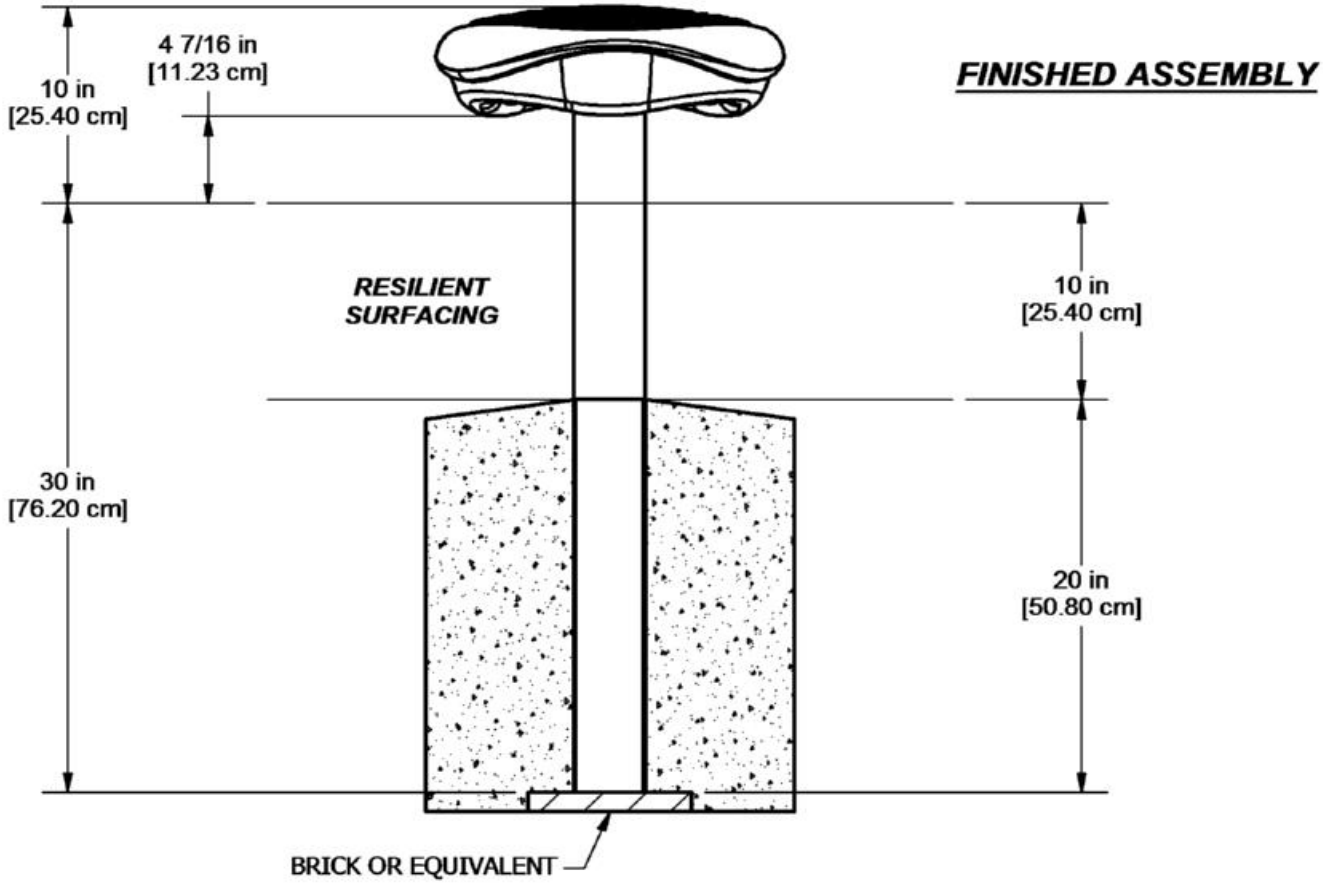

65282 SHOWN

# 65280 BUTTON STEP 10"



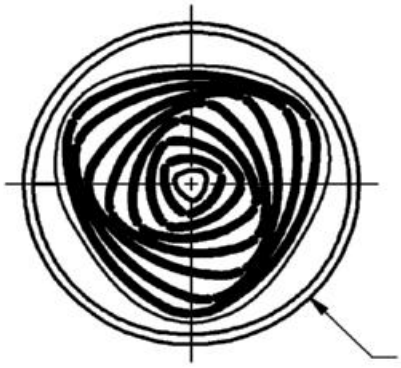

***PLAN VIEW***

**CONCRETE REQUIRED**
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



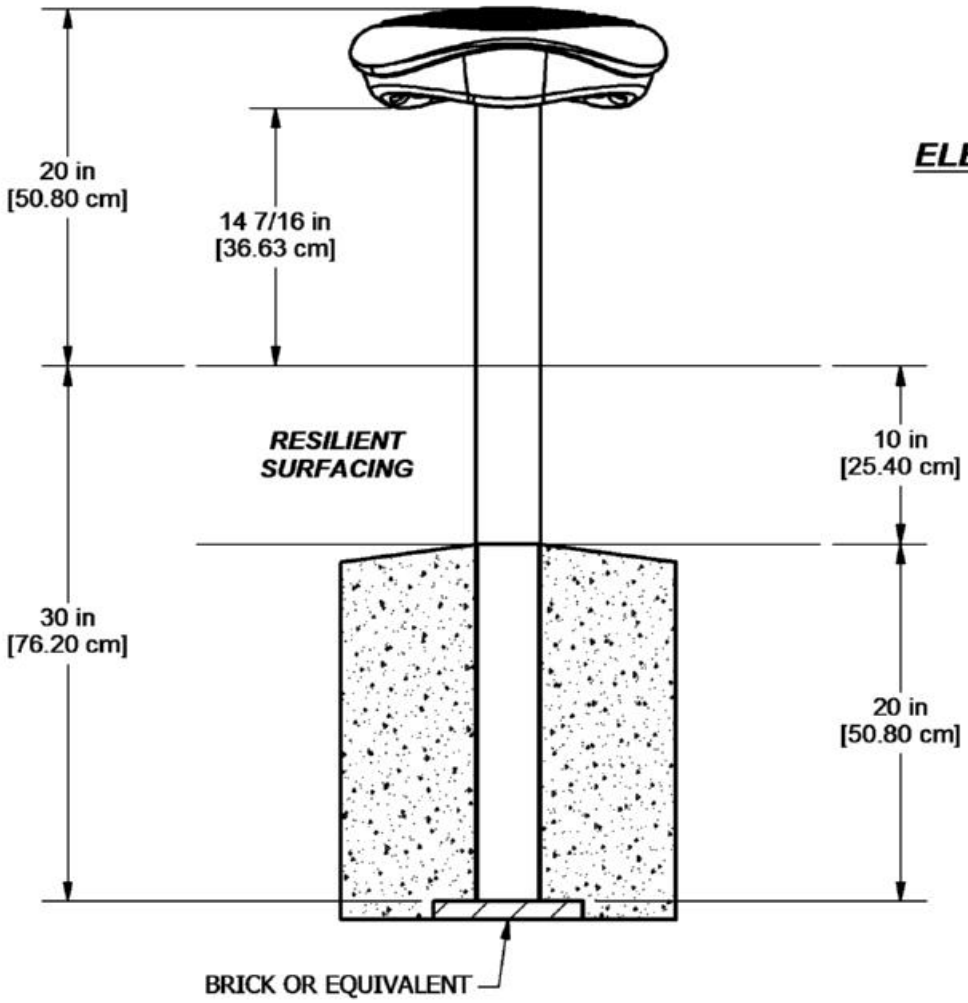

***FINISHED ASSEMBLY***

# 65281 BUTTON STEP 20"



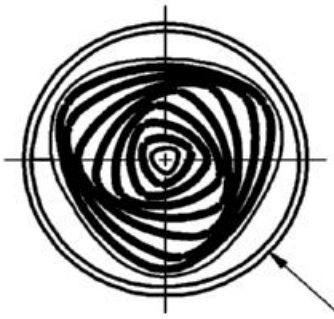

***PLAN VIEW***

**CONCRETE REQUIRED**
0.109 CUBIC YARDS
0.083 [CUBIC METERS]



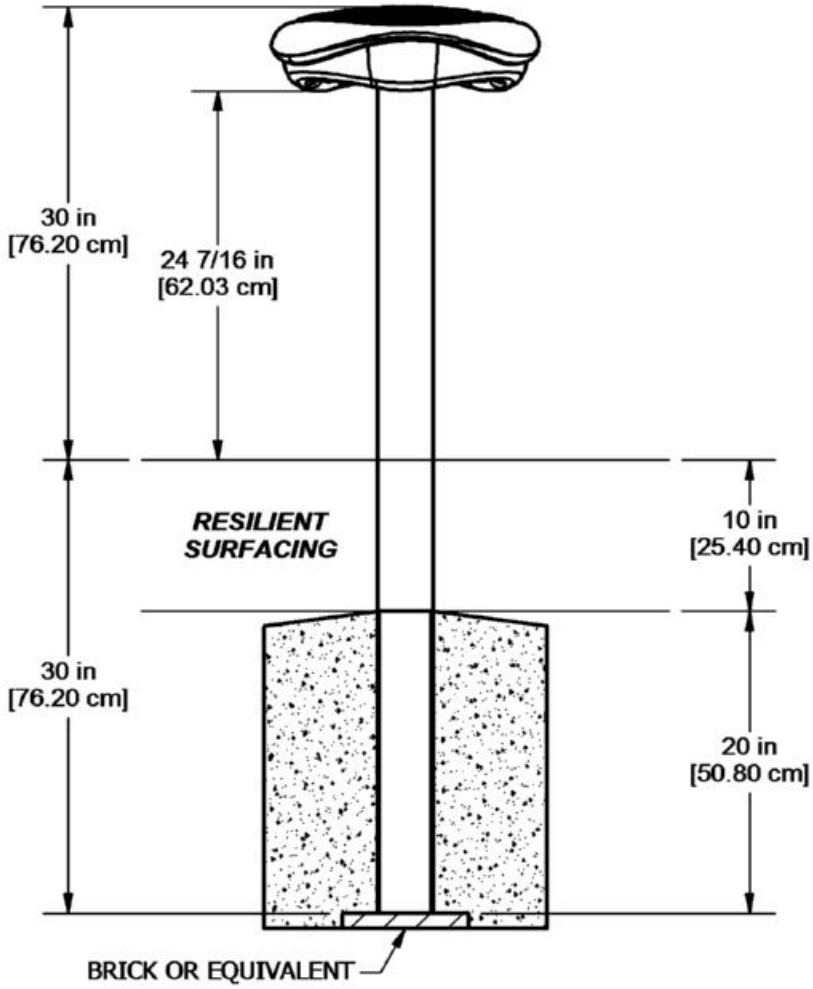

***ELEVATION VIEW***

# 65282 BUTTON STEP 30"



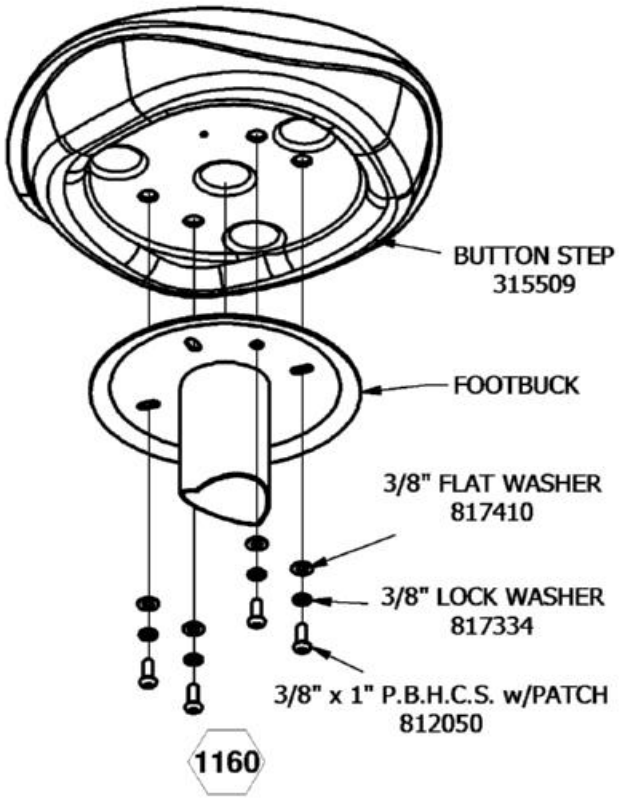

***PLAN VIEW***

**CONCRETE REQUIRED**
0.109 CUBIC YARDS
0.083 [CUBIC METERS]




***ELEVATION VIEW***

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



# 67994-Climb & Discover Cave ABCD-1234 Handholds, (Playful)
# 67997-Climb & Discover Cave Standard Handholds, (Natural)

| Parts List | | | |
|---|---|---|---|
| DESCRIPTION | 67994 | 67997 | PART NUMBER |
| FOOTBUCK | 4 | 4 | 208100 |
| CLIMB & DISCOVER CAVE | 2 | 2 | 311341 |
| CONNECTOR PLATE | 1 | 1 | 311523 |
| ***HARDWARE COMPLETE*** | 1 | 0 | 311520 |
| ***HARDWARE COMPLETE*** | 0 | 1 | 311521 |
| HANDHOLD PACKAGE (ABCD, 1234) | 1 | 0 | 311352* |
| HANDHOLD PACKAGE (STANDARD) | 0 | 1 | 311355* |
| 5/16" x 1 1/2" P.B.H.C.S. w/PATCH | 36 | 36 | 812045* |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 8 | 8 | 812052* |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 10 | 10 | 812050* |
| 3/8" x 2" THREADED ROD | 2 | 2 | 803560* |
| 3/8" LOCK WASHER | 10 | 10 | 817334* |
| 3/8" FLAT WASHER | 44 | 44 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 2 | 2 | 817424* |
| 3/8" HEX NUT | 2 | 2 | 804053* |
| 3/8" FLAT WASHER (1" O.D.) | 10 | 10 | 817401* |

*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.***

***Climb and Discover Cave:***

Shall be 1/4" 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).

***Connector Plate:***

Shall be fabricated from 1/4" x 4" hot rolled flat steel with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

***Footbuck:***

Shall be an all welded construction fabricated from 2 3/8" O.D. (13ga.) galvanized steel tubing and 12ga steel sheet. The footbuck shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

# 67994-Climb & Discover Cave ABCD-1234 Handholds, (Playful)
# 67997-Climb & Discover Cave Standard Handholds, (Natural)

***Handholds:***

Shall be fabricated from a hybrid resin mixture with custom formulated UV inhibiter.

***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.

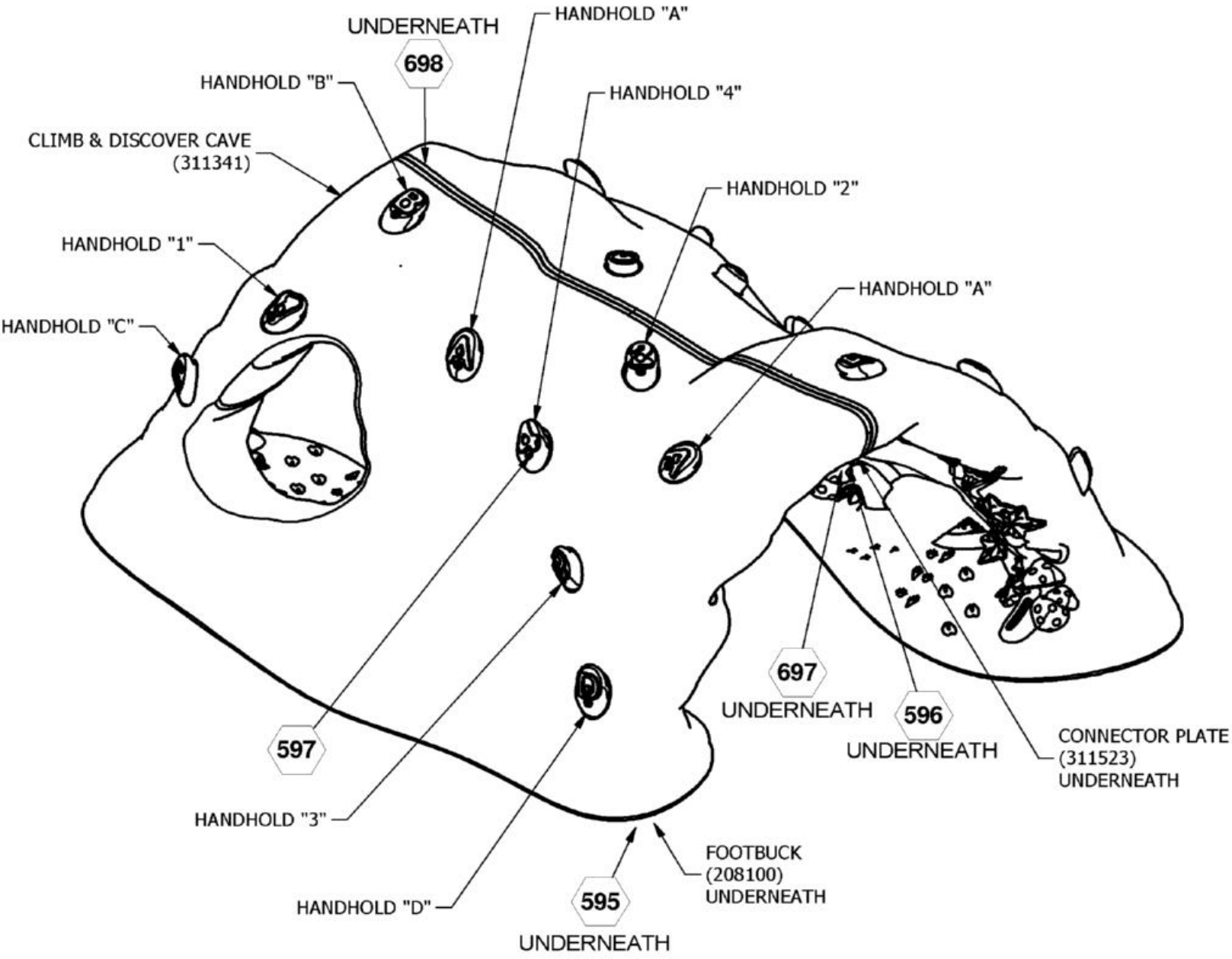
## ***INSTALLATION INSTRUCTIONS:***

1. Dig footing holes as shown in Plan and Elevation Views. Place brick or equivalent in the bottom of hole to provide a solid foundation.
2. Attach Footbucks to bottom of Climb & Discover Cave using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. See Detail 595.
3. Insert 3/8" Threaded Rod into one end of each Climb & Discover Cave. ***IMPORTANT: BE SURE TO INSTALL 3/8" THREAED ROD IN THE APPROPRIATE THREADED INSERT.*** See Detail 697.
4. Slide the Climb & Discover Caves together, Attach 3/8" Flat Washer (1 1/4" O.D.), 3/8" Lock Washer, and 3/8" Hex Nut to Threaded Rod. ***IMPORTANT: ALIGN CLIMB & DISCOVER CAVES TOP AND EDGES TOGETHER BEFORE TIGHTENING TO ELIMINATE GAPS ON THE ENDS.*** See Detail 698.
5. After Climb & Discover Caves ends are tightened attach Connector Plate to Climb & Discover Cave using 3/8" x 1" P.B.H.C.S w/Patch and 3/8" Flat Washer. See Detail 596.
6. Attach Handholds to Climb & Discover Cave using 5/16" x 1 1/2" P.B.H.C.S. w/Patch and 3/8" Flat Washer. See Detail 597. ***IMPORTANT: DO NOT OVERTIGHTEN HANDHOLDS,***
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 posts for water drainage. Allow to cure at least 48 hours before use. ***Note:*** *Temporary bracing may be required until concrete cures.*
9. 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.

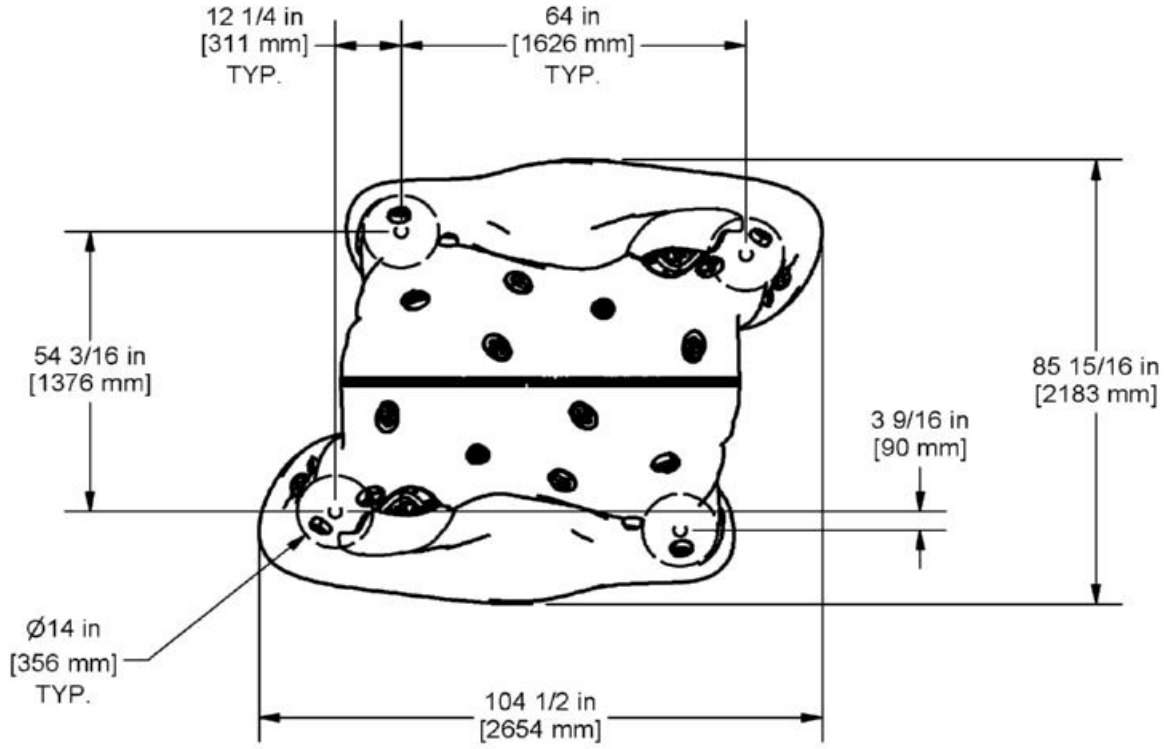
# 67994-Climb & Discover Cave ABCD-1234 Handholds, (Playful)
# 67997-Climb & Discover Cave Standard Handholds, (Natural)




***FINISHED ASSEMBLY***
**67994 SHOWN**

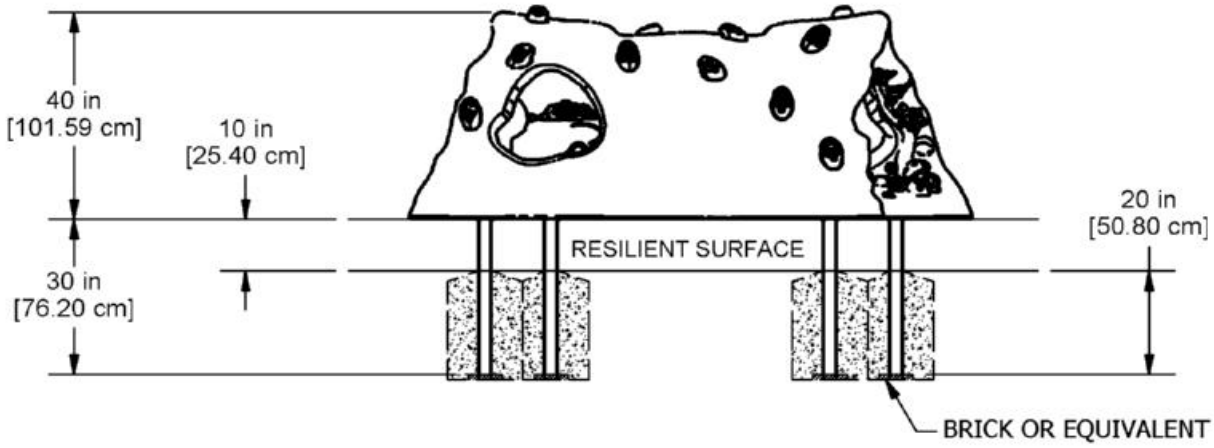
⬡ = INSTALLATION DETAIL

# 67994-Climb & Discover Cave ABCD-1234 Handholds, (Playful)
# 67997-Climb & Discover Cave Standard Handholds, (Natural)



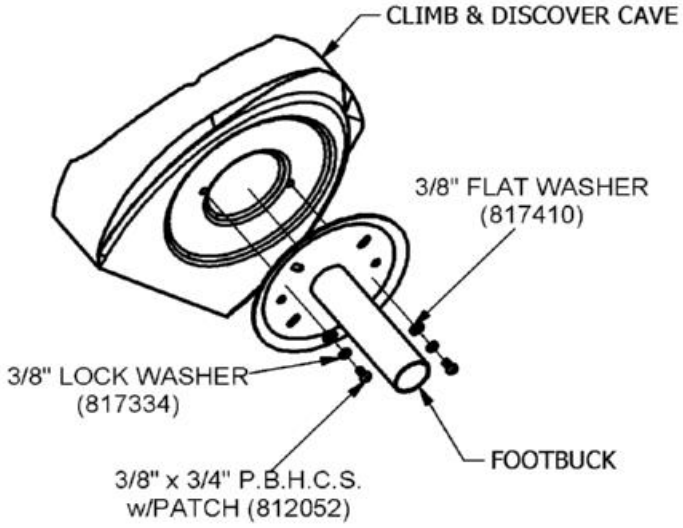

***PLAN VIEW***

***CONCRETE REQUIRED:***
.26 cubic yards
[7.12 cubic meters]

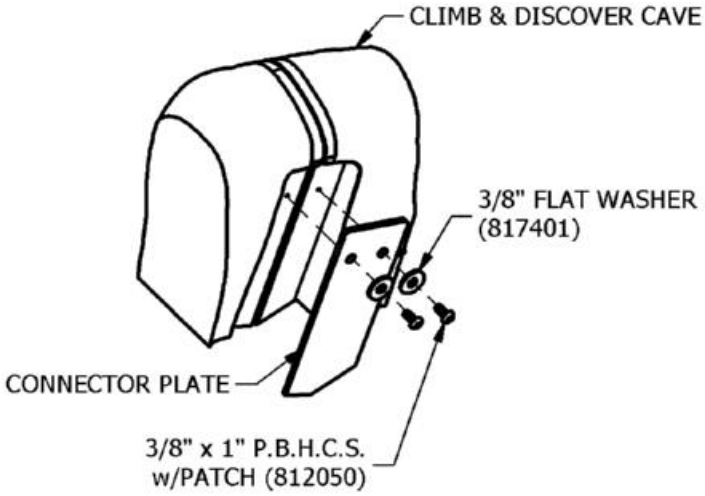



***ELEVATION VIEW***

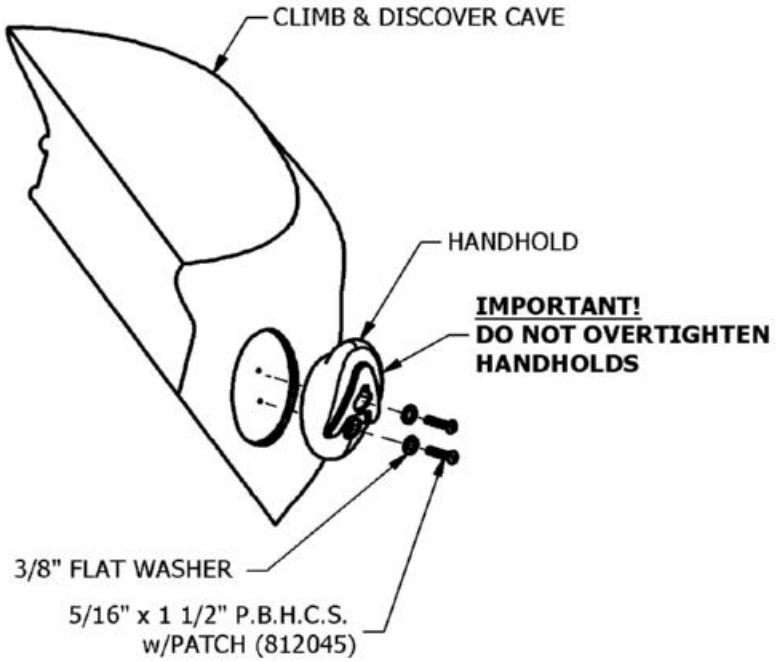
# 67994-Climb & Discover Cave ABCD-1234 Handholds, (Playful)
# 67997-Climb & Discover Cave Standard Handholds, (Natural)



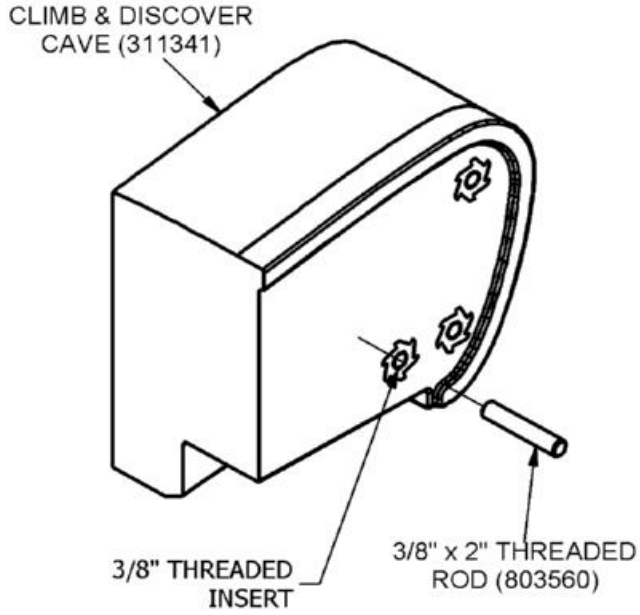

595




596

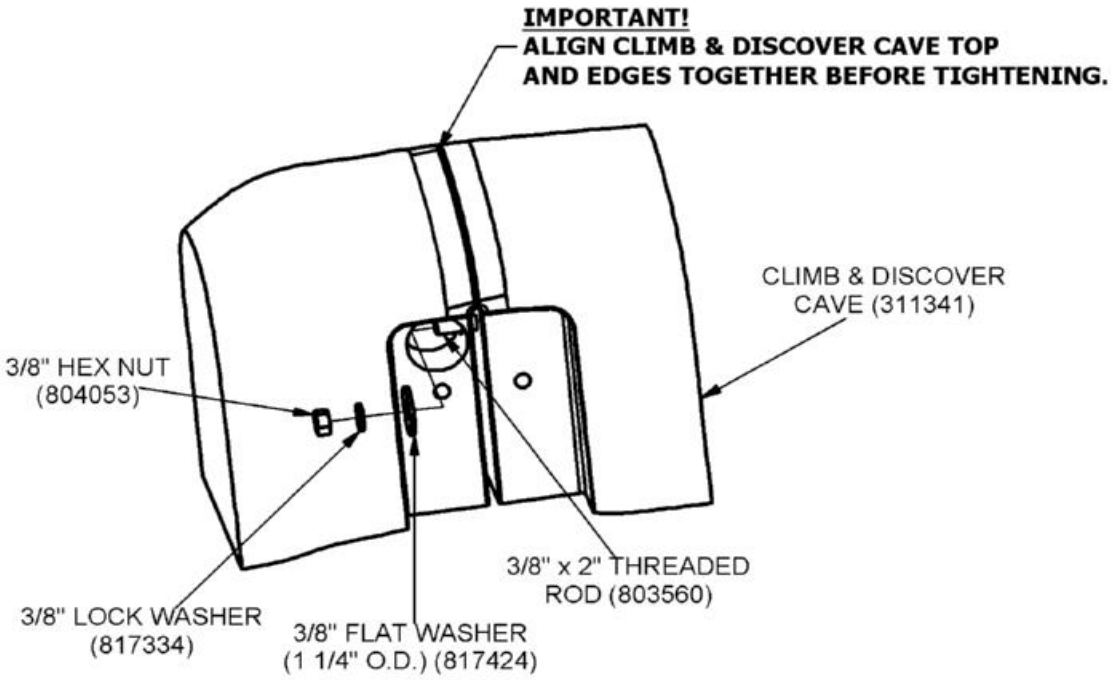



597




697

# 67994-Climb & Discover Cave ABCD-1234 Handholds, (Playful)
# 67997-Climb & Discover Cave Standard Handholds, (Natural)




698

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.

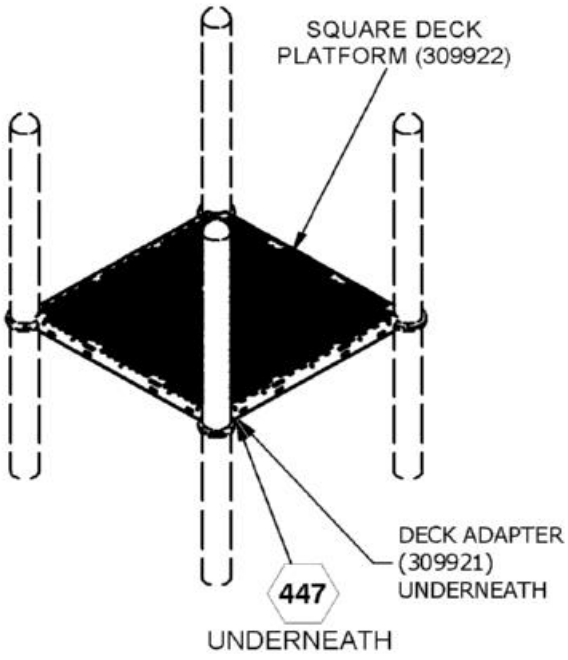
SuperMax Play Systems

# 71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck

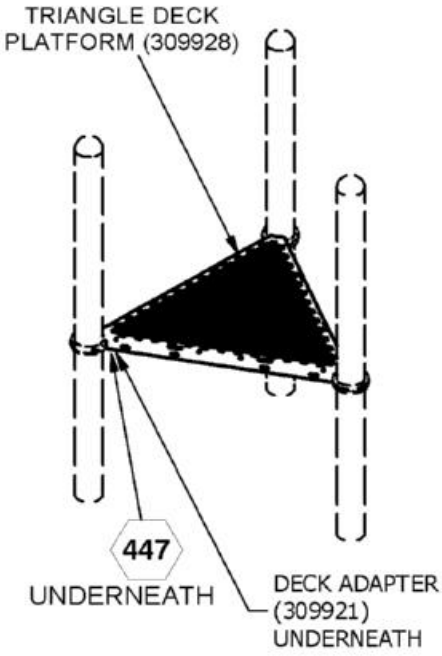
Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer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

## ***MAINTENANCE PROCEDURE:***

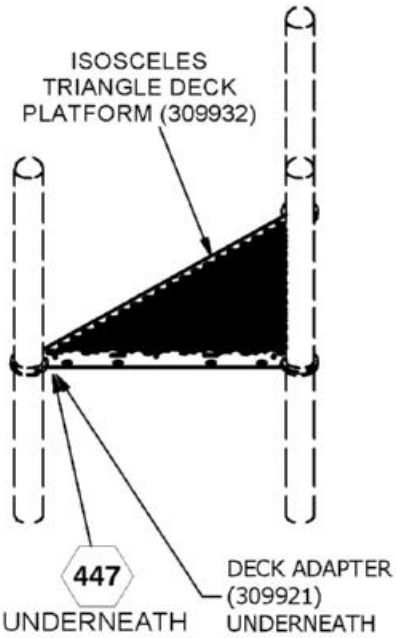
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check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

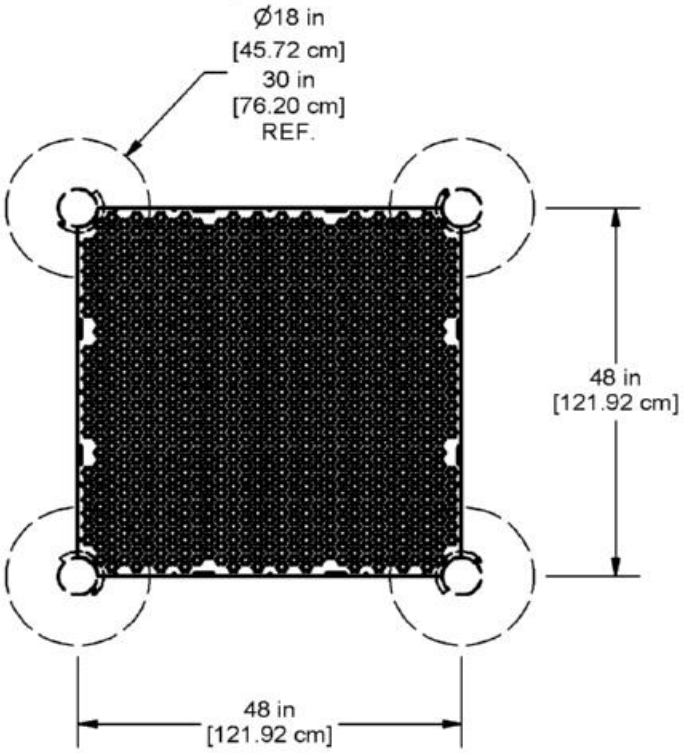
***FINISHED ASSEMBLY***

= INSTALLATION DETAIL

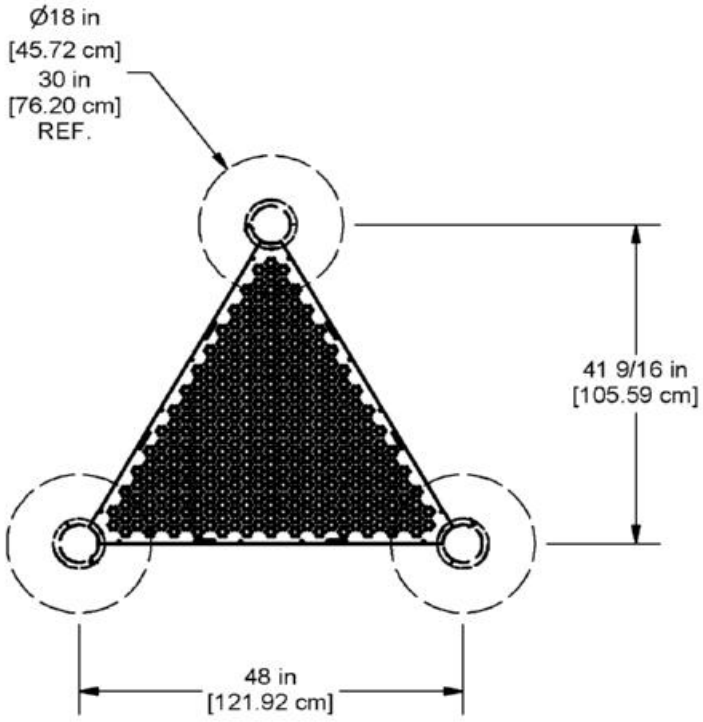
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 7/13/2012

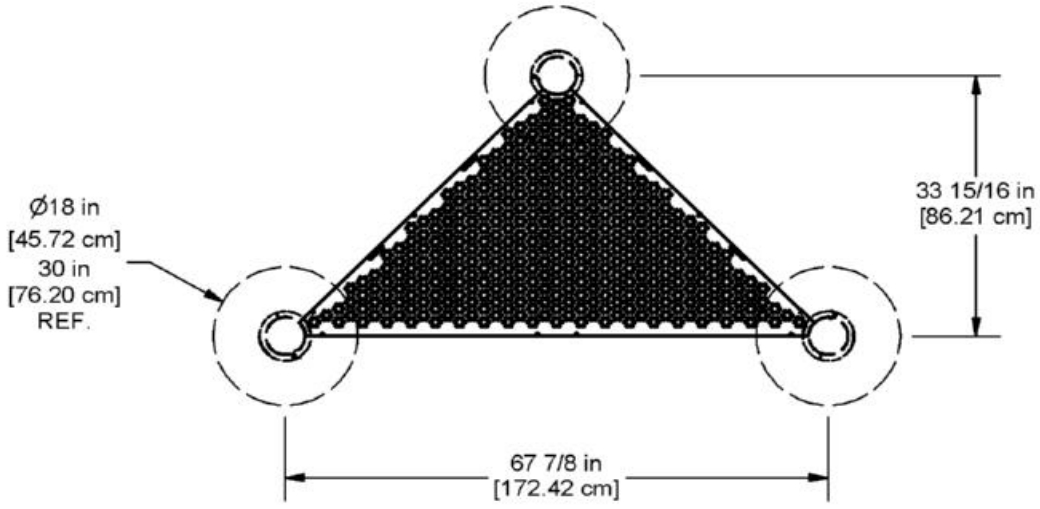
# 71000 Square Deck; 71001 Triangle Deck; 71002 Isosceles Deck




***SQUARE DECK***



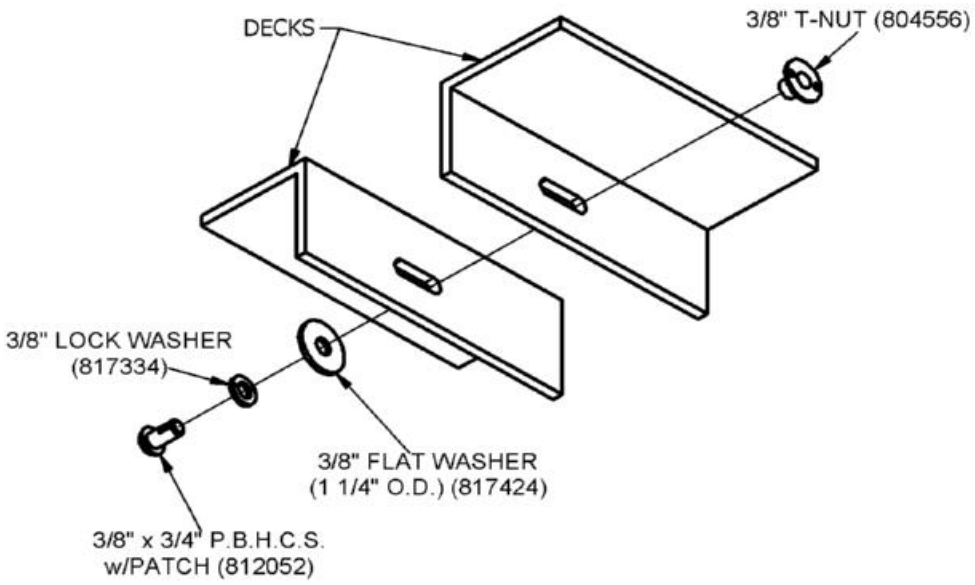

***TRIANGLE DECK***




***ISOSCELES TRIANGLE DECK***

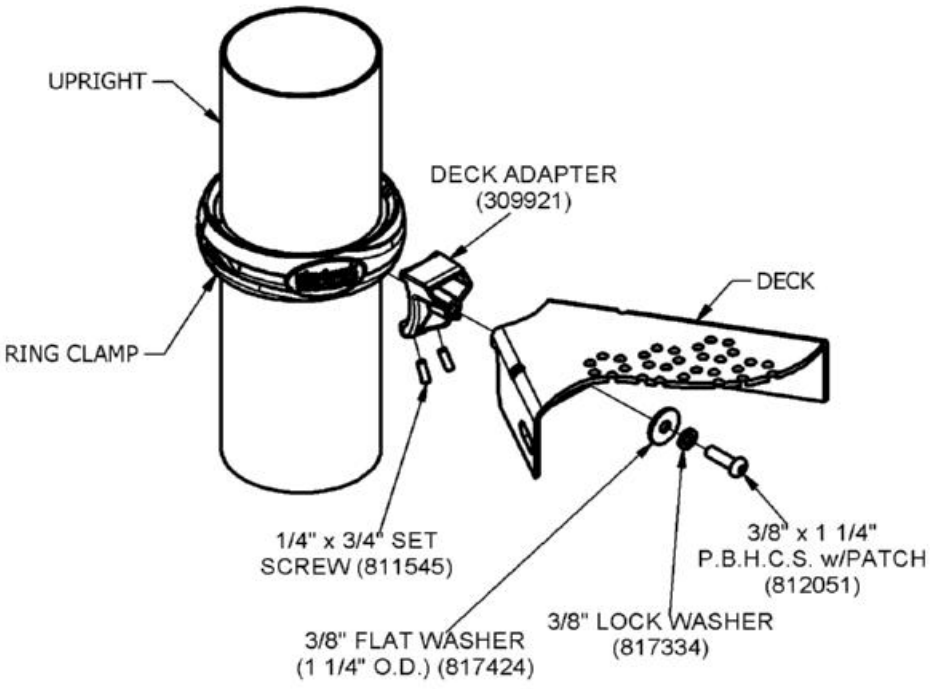
***PLAN VIEW***

# 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.

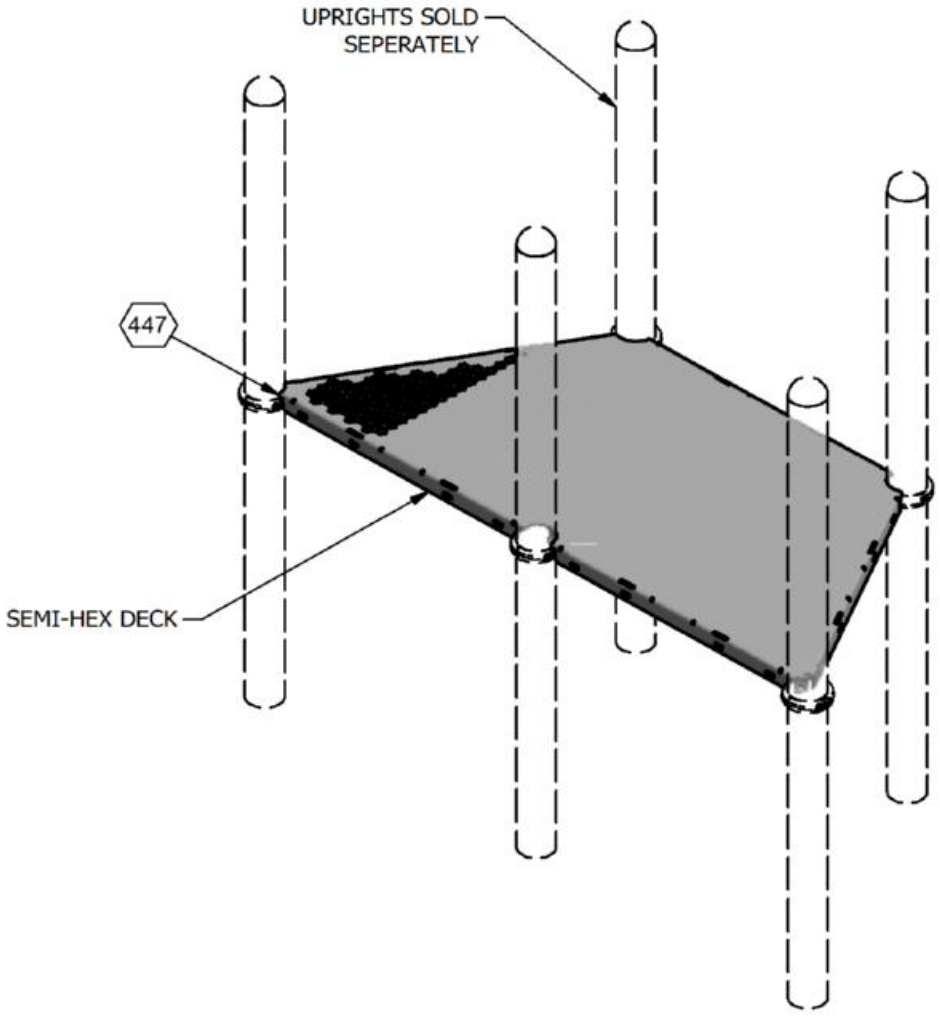
6. When all decks are completed and correct, pour concrete footings within 4" to the top and taper away from support posts to allow water drainage. Allow curing at least 48 hours before use.

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

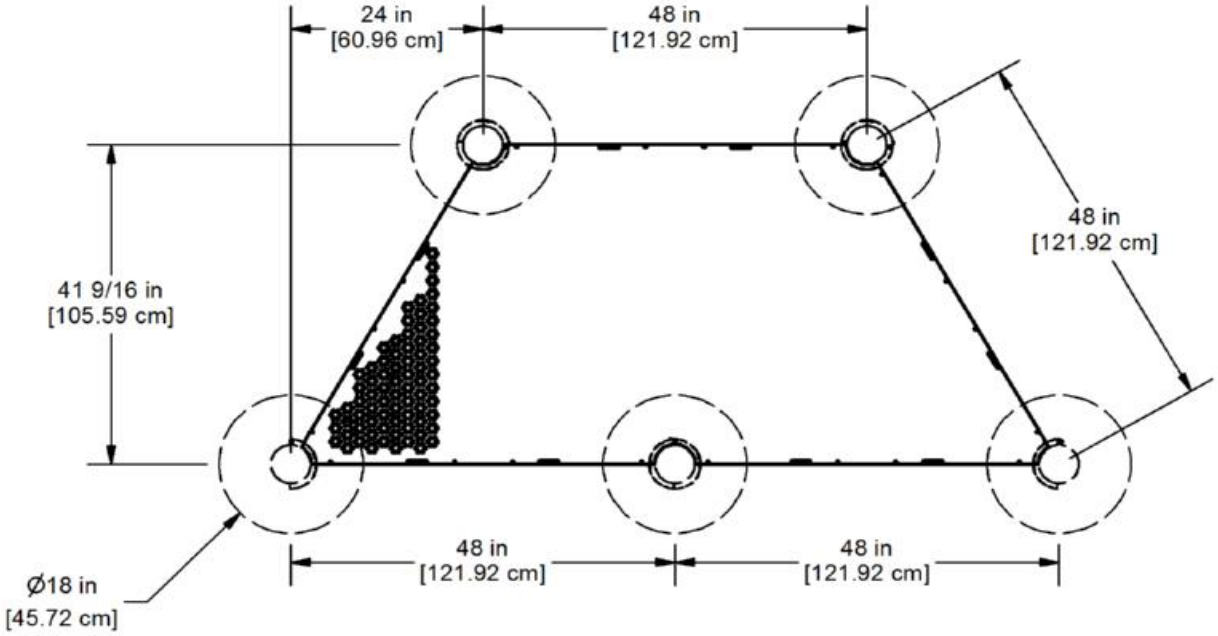
Note: To cushion accidental falls by children, it is strongly recommended that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer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

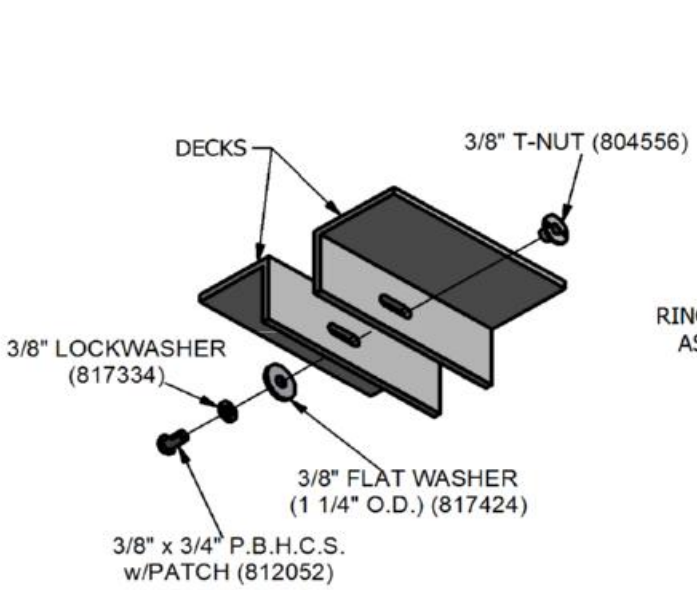



**FINISHED ASSEMBLY**

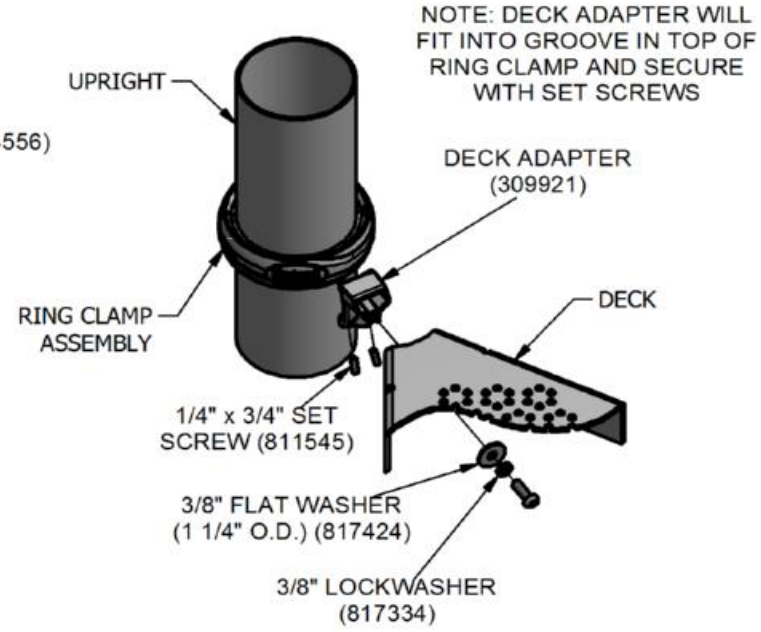
# 71003 Semi-Hex Deck



# 71003 Semi-Hex Deck




061




447

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.

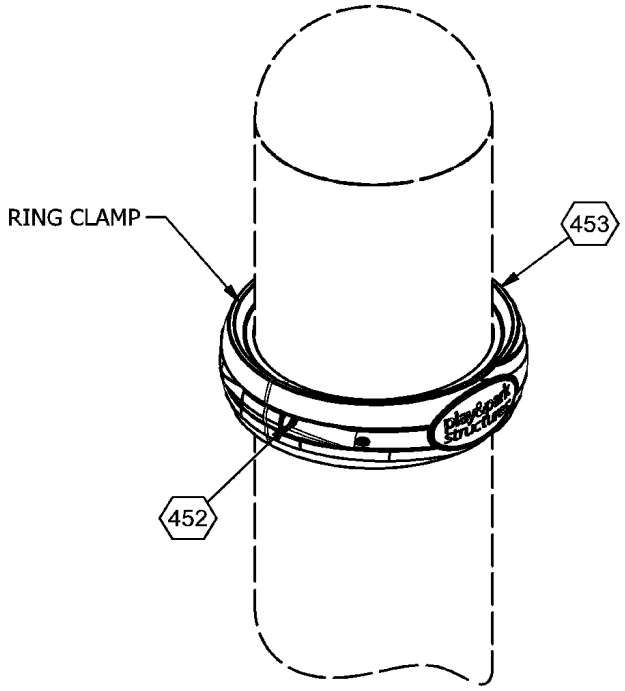
3. Install required components to the attaching to the Ring Clamp. See Top View and Seperate component installation sheets.

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

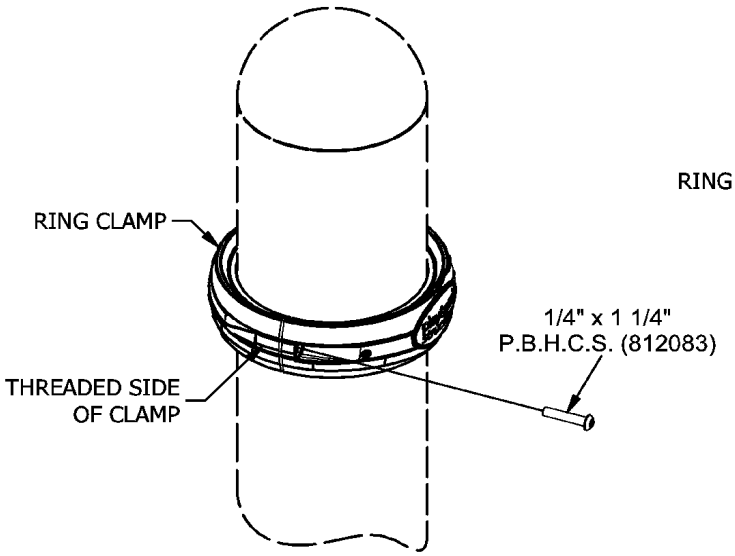
UPRIGHT AND CAP
SOLD SEPERATELY




***FINISHED ASSEMBLY***

⬡ = INSTALLATION DETAIL

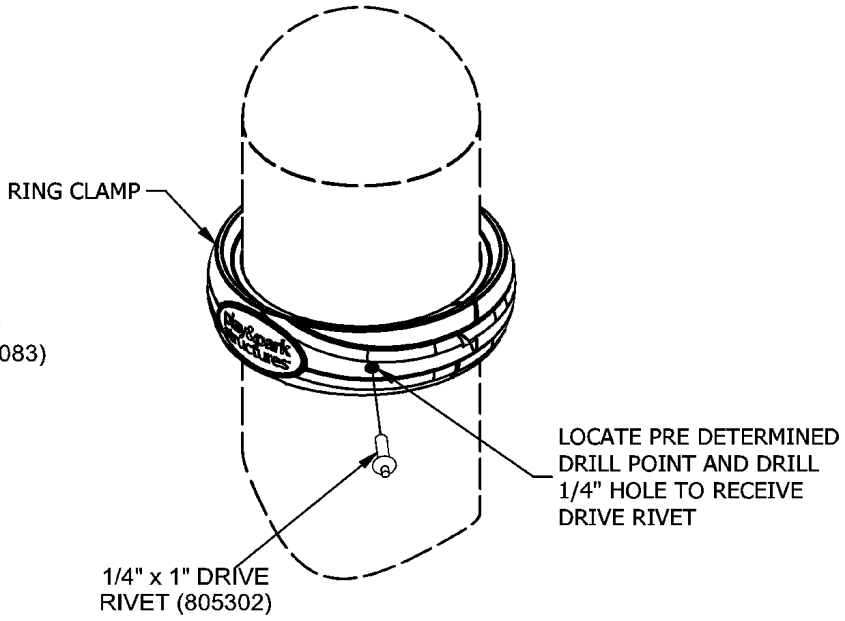
# 71031 RING CLAMP ASSEMBLY




NOTE: THE USE OF LOCTITE IS IMPORTANT.

**IMPORTANT:** ORIENTATION OF BOLT IS CRITICAL.

452




453

SuperMax Play Systems

# 71119 Maxclimb Summit

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

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

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

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

# 71119 Maxclimb Summit

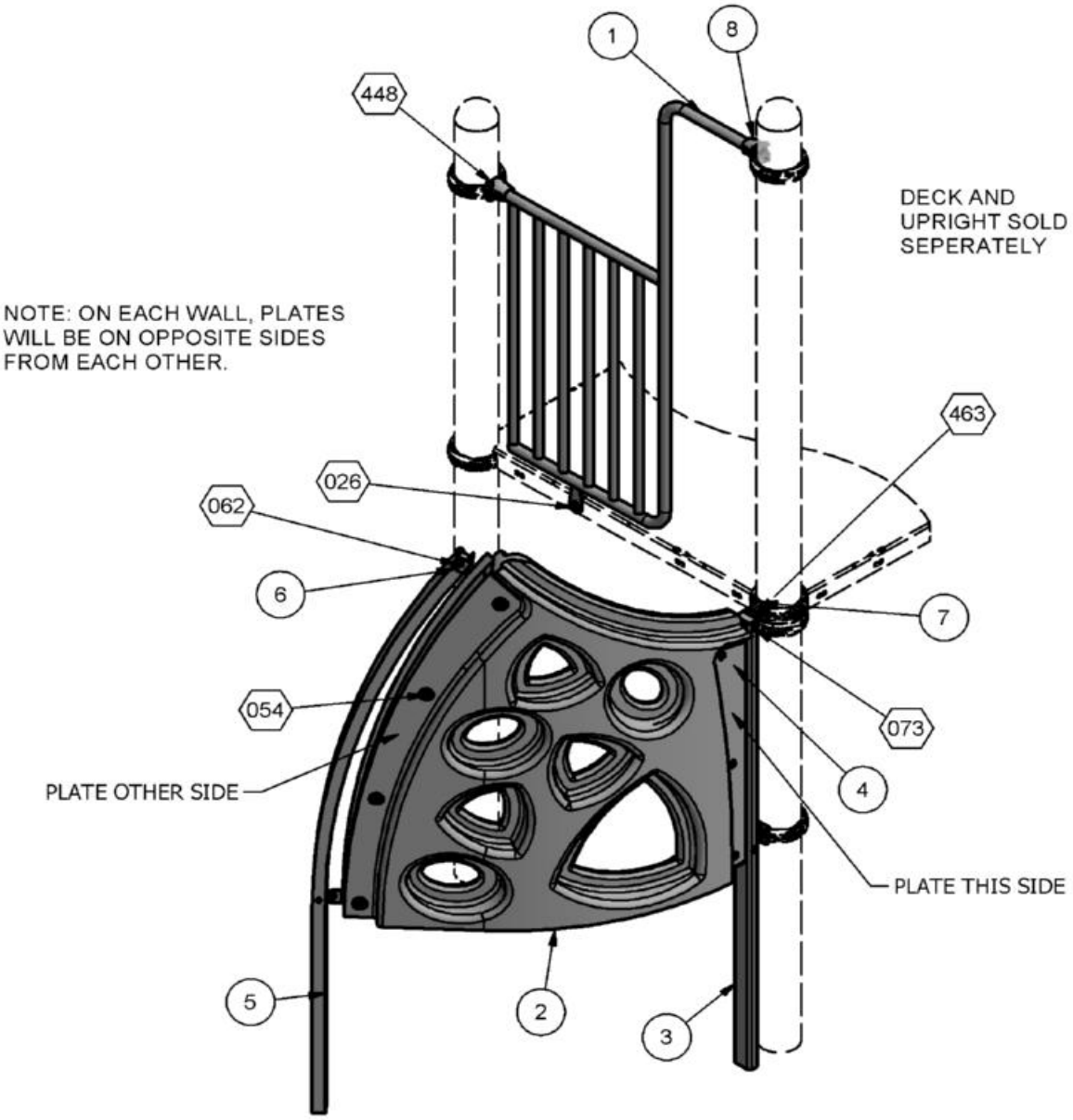
**INSTALLATION INSTRUCTIONS:**

1. Using a 7/16" drill bit, ream out any excess "Plastisol" coating from all holes used on the Deck. Be careful not to expose the steel.
2. Using Elevation View, locate and fasten two Ring Clamps to Upright Posts. See Ring Clamp Installation sheet.
3. Using Detail-448, attach Offset Archway to Upright Posts using Pipe Adapters.
4. Using Detail-026, attach Archway to front of deck using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 3/8" Flat Washer (1-1/4" O.D.), and 3/8" Lock Nut.
5. Using Elevation View, locate and fasten two Ring Clamps to Upright Posts. See Ring Clamp Installation Sheet.
6. Attach Straight Support Tube to Straight Support Plate using 3/8" x 2-1/2" P.B.H.C.S. w/Patch and 3/8" Barrel Nut as shown in Detail-073.
7. Begin with straight side using Detail-054. Attach Straight Support to Climbing Wall with 3/8" x 2" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1-1/4" O.D.), and 3/8" Barrel Nut.
8. Following Detail-062 Attach Curved Support Plate to Curved Support Tube with 3/8" x 2-1/2" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut.
9. Attach Curved Support to Climbing Wall using Detail-054. Fasten with 3/8" x 2" P.B.H.C.S. w/Patch, 3/8" Flat Washer (1-1/4" O.D.), and 3/8" Barrel Nut.
10. Attach straight side of assembled Climbing Wall to Ring Clamp using Detail-463.
11. Plumb and level the entire assembly and tighten all fasteners.
12. Pour concrete footings within 4" to the top and taper away from posts for water drainage. Allow footings to cure at least 48 hours before use.
13. When the structure is finished and satisfactory, install Drive Rivets in all Clamps to ensure Clamps cannot slide down posts. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts etc. It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the Safety Guidelines.

***MAINTENANCE PROCEDURE:***

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

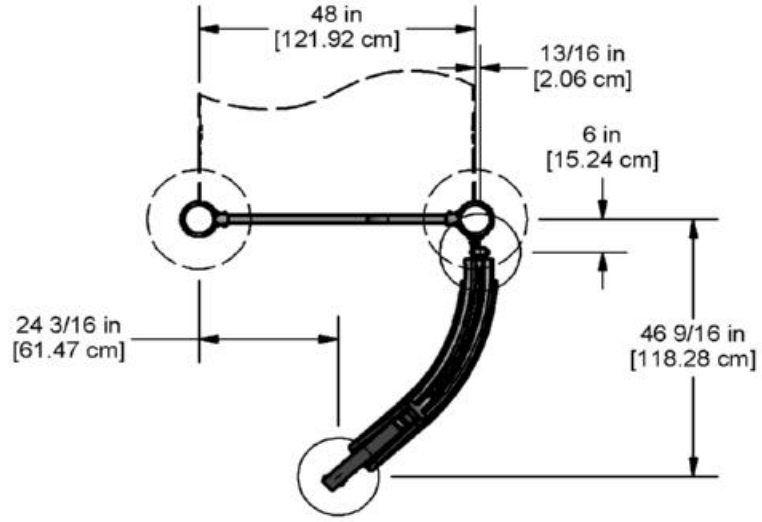
# 71119 Maxclimb Summit



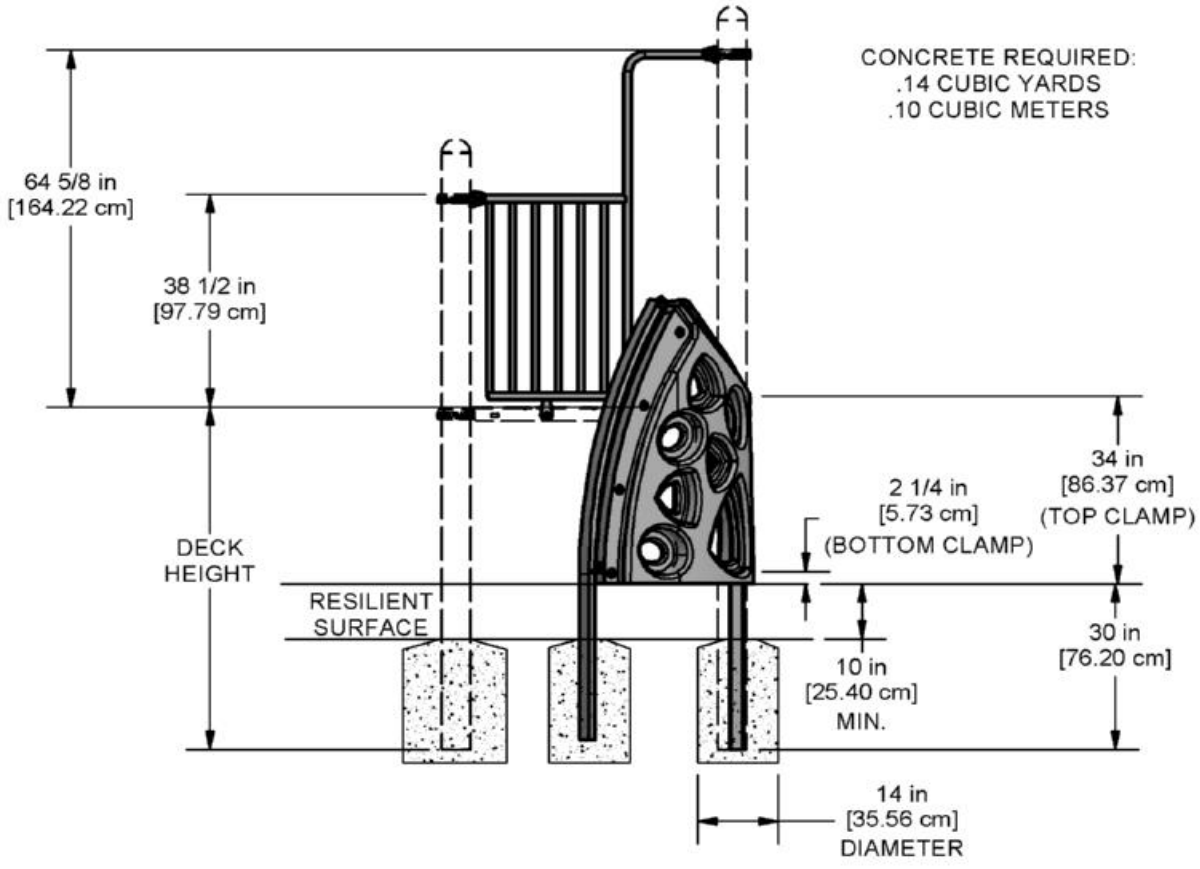

***FINISHED ASSEMBLY***

⬡ = INSTALLATION DETAIL

# 71119 Maxclimb Summit

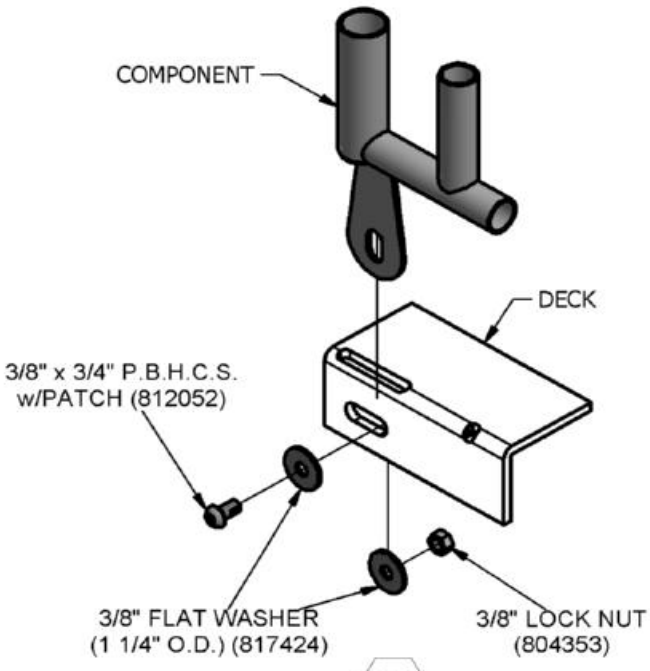



***PLAN VIEW***

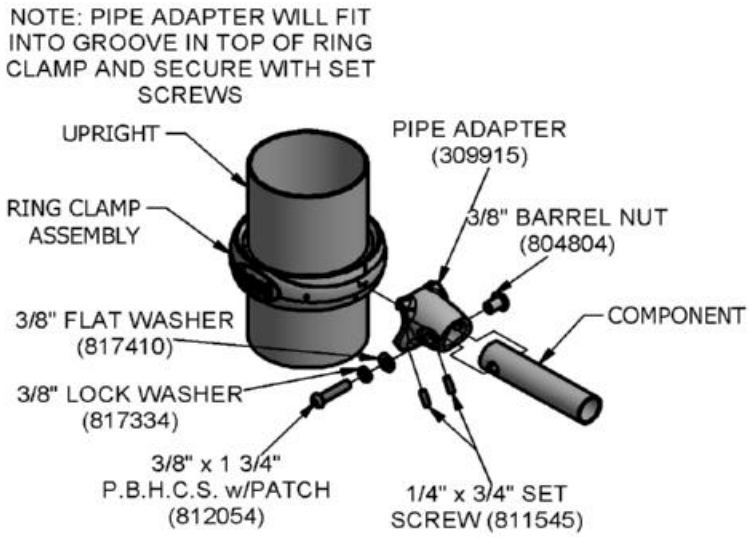



***ELEVATION VIEW***

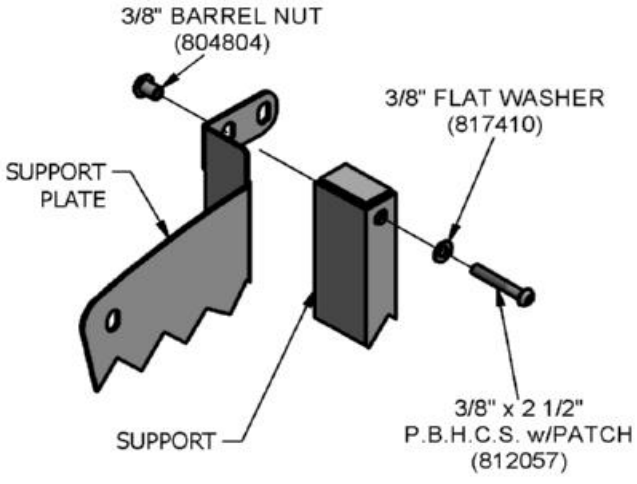
# 71119 Maxclimb Summit



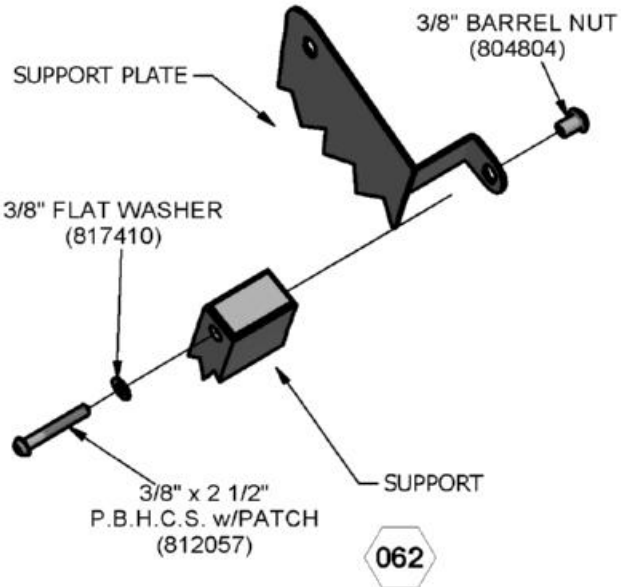

026




448

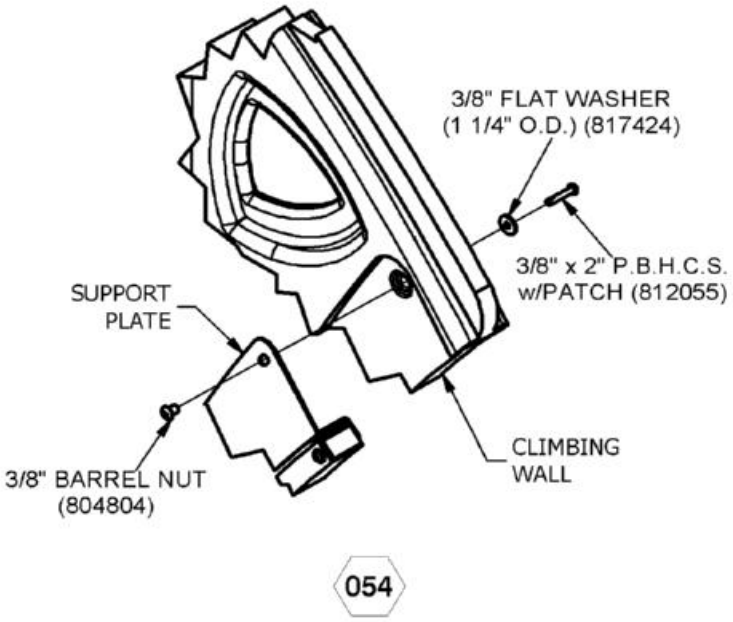


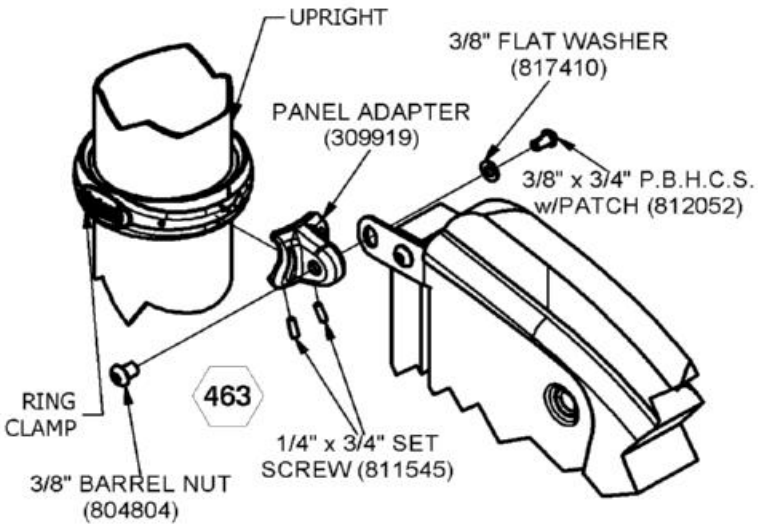

073




062

# 71119 Maxclimb Summit



SuperMax Play Systems

# 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.

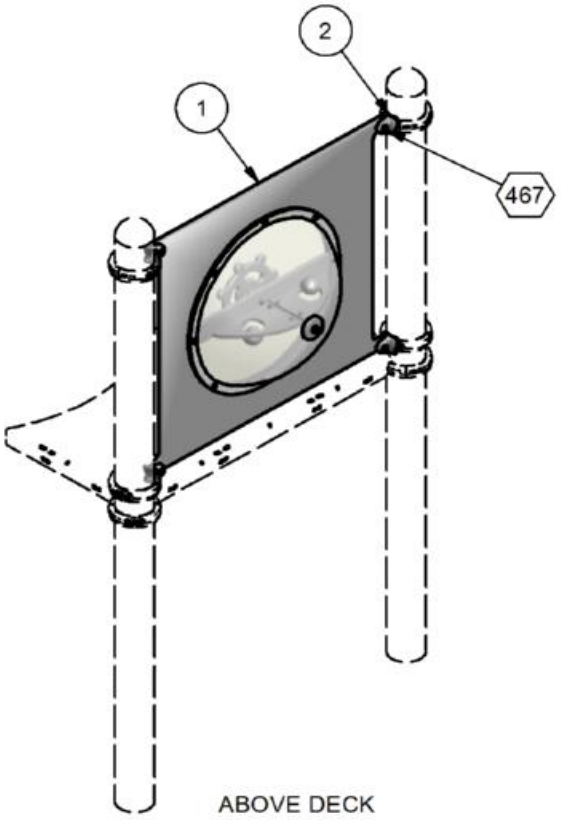
***IMPORTANT! Avoid creating any Gaps between the components, which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points, which can trap a child and cause injury.***

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.

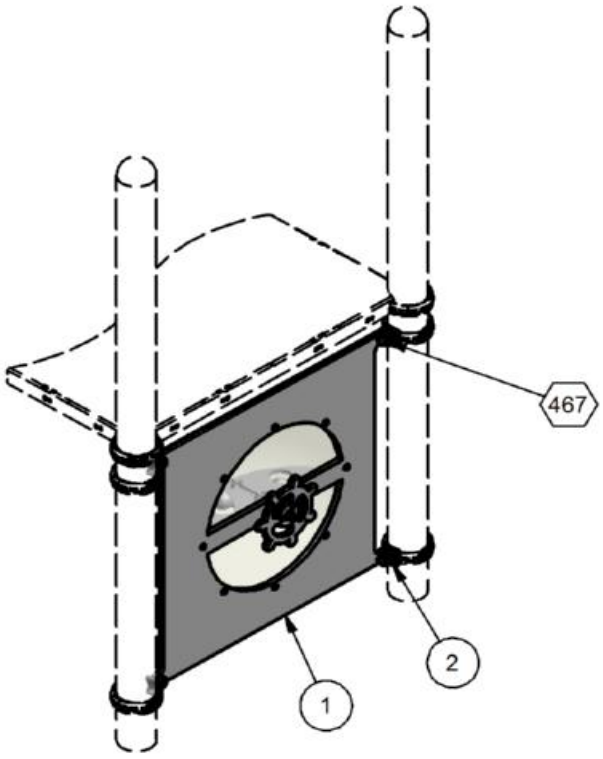
**MAINTENANCE PROCEDURE**:

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

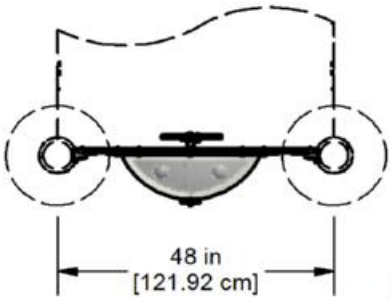



***FINISHED ASSEMBLY***

BELOW DECK

⬡ = INSTALLATION DETAIL

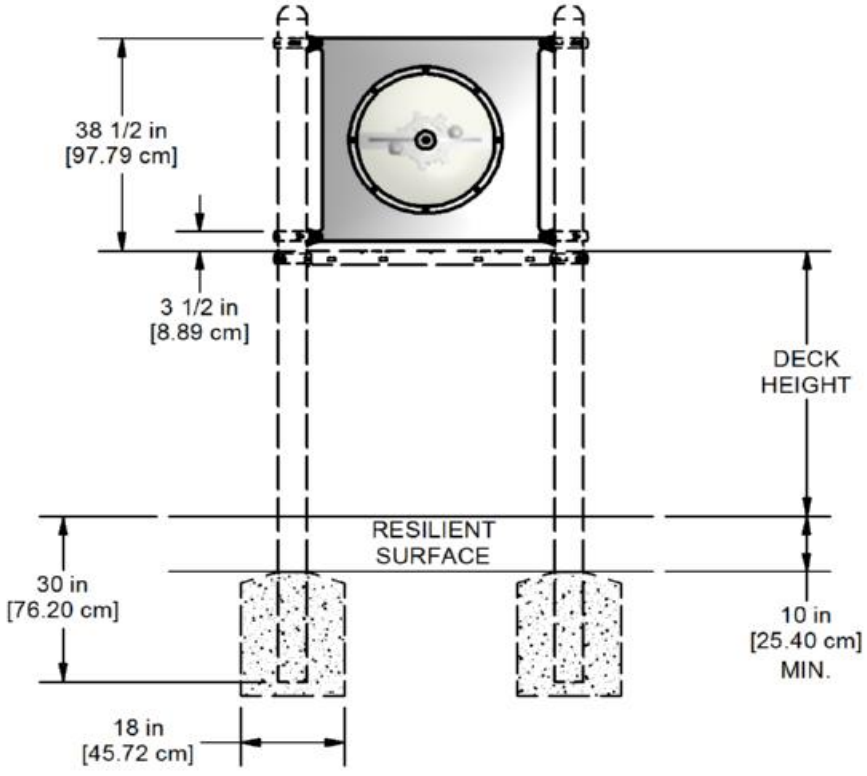
# 71152 Paddle Ball Panel




***PLAN VIEW***

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

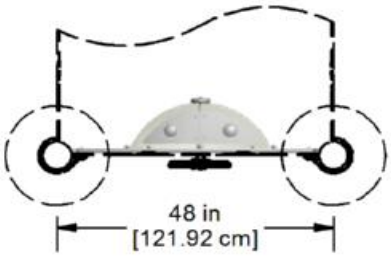
TOP EDGE OF PANEL MUST BE 29"[736mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 2-5 YEAR OLDS.




***ELEVATION VIEW***

ABOVE DECK
SHOWN

# 71152 Paddle Ball Panel

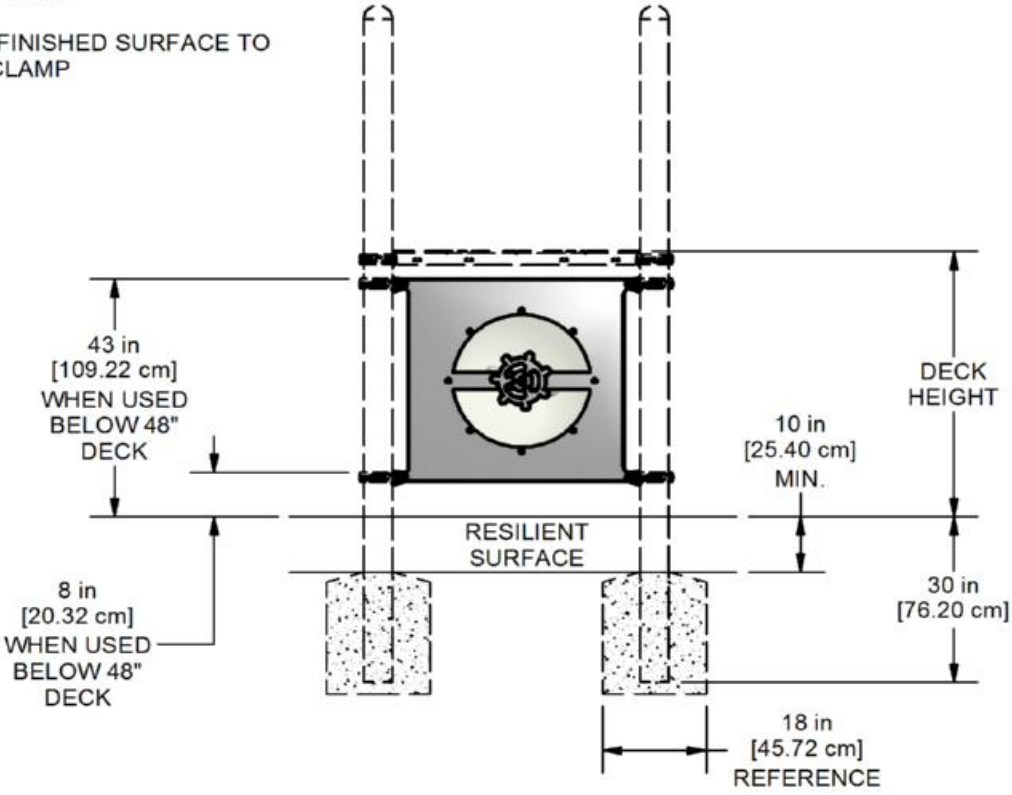



***PLAN VIEW***

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



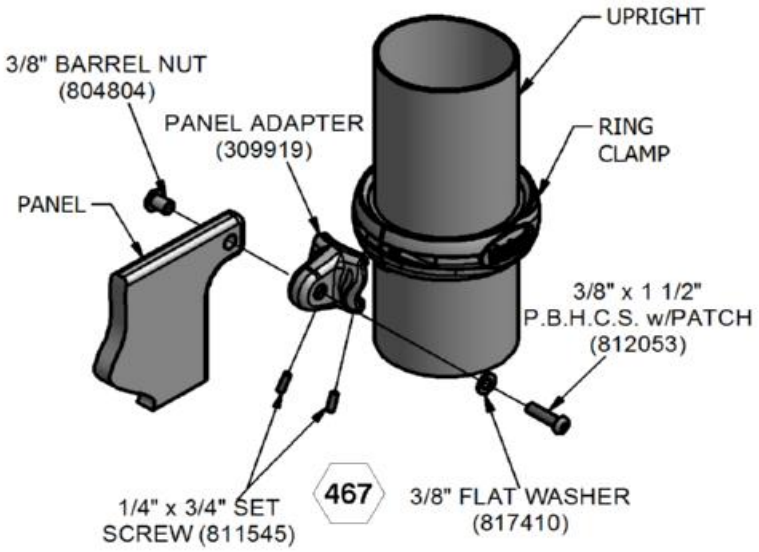

***ELEVATION VIEW***

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

# 71158 Word Scramble (ADA Panel)

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| BACK PANEL | 1 | 310180 |
| PANEL ADAPTER | 4 | 309919 |
| ——HARDWARE COMPLETE—— | 1 | 310179 |
| A HANDLE | 2 | 309563 |
| C HANDLE | 2 | 309564 |
| E HANDLE | 2 | 309565 |
| N HANDLE | 2 | 309566 |
| O HANDLE | 2 | 309567 |
| T HANDLE | 2 | 309568 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 4 | 812053 |
| 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 6 | 812056 |
| 3/8" FLAT WASHER | 10 | 817410 |
| 3/8" BARREL NUT | 10 | 804804 |
| 1/2" I.D. BRONZE BUSHING | 6 | 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. 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 Deck opening to receive the Word Scramble (ADA Panel).

2. Attach Ring Clamps to the uprights.Refer to Elevation and Plan Views for clamp height and location. See seperate Ring Clamp Installation Sheet..

3. Attach handles to the Back Panel using 3/8" x 2" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 1/2" I.D. Bronze Bushing and 3/8" Barrel Nut. See Detail 409.

4. Attach Back Panel to Ring Clamps using Panel Adapter. See Detail 408.

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

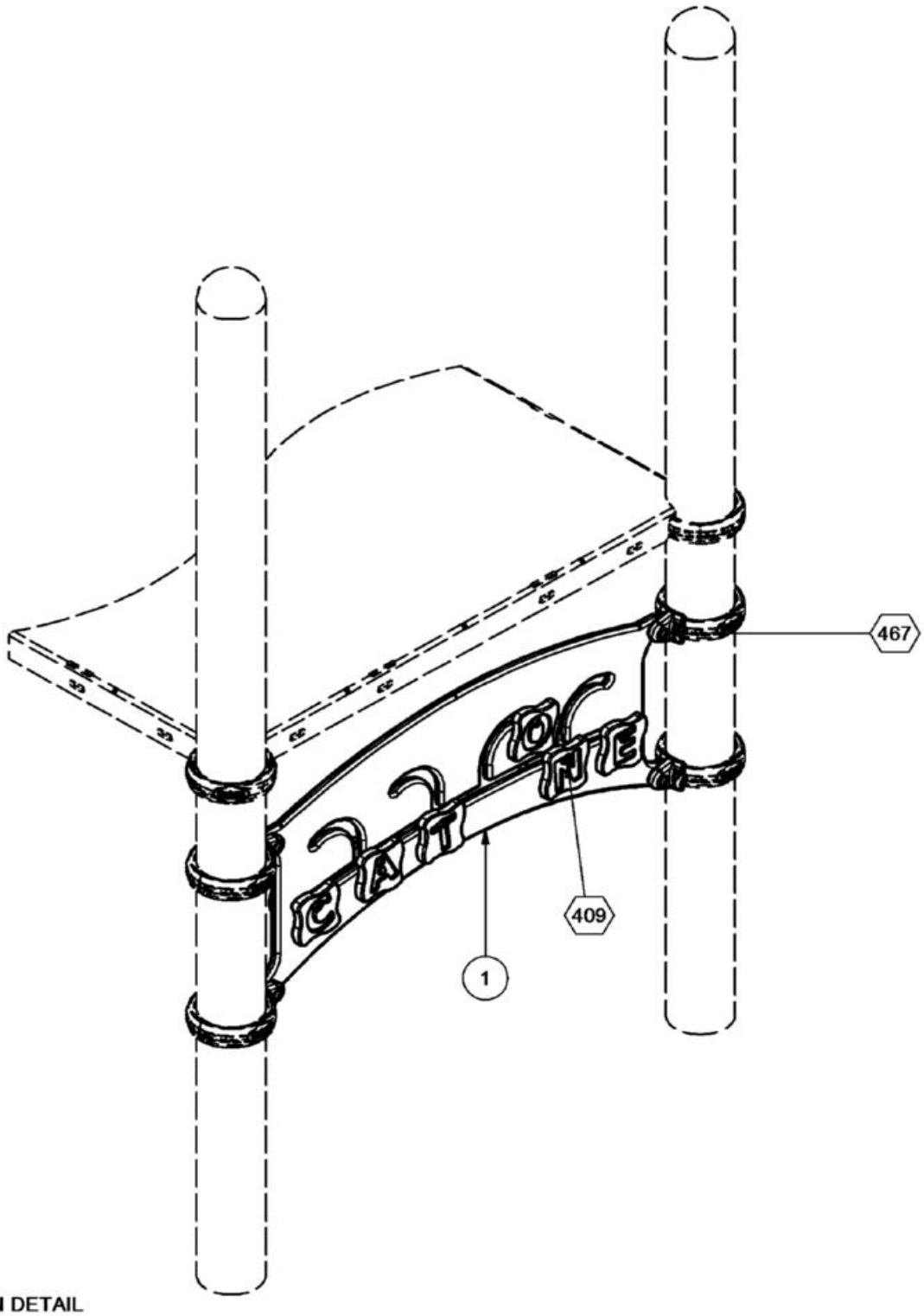
6. When the structure is finished and satisfactory, eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

***IMPORTANT! 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.***

## 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.

# 71158 Word Scramble (ADA Panel)

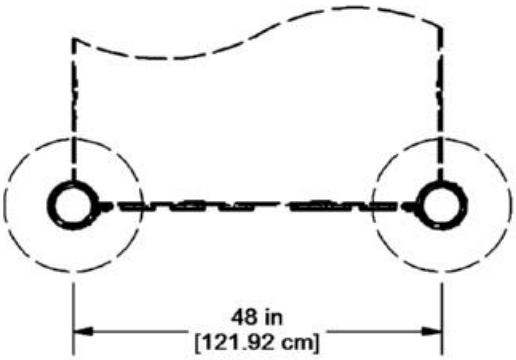



= INSTALLATION DETAIL

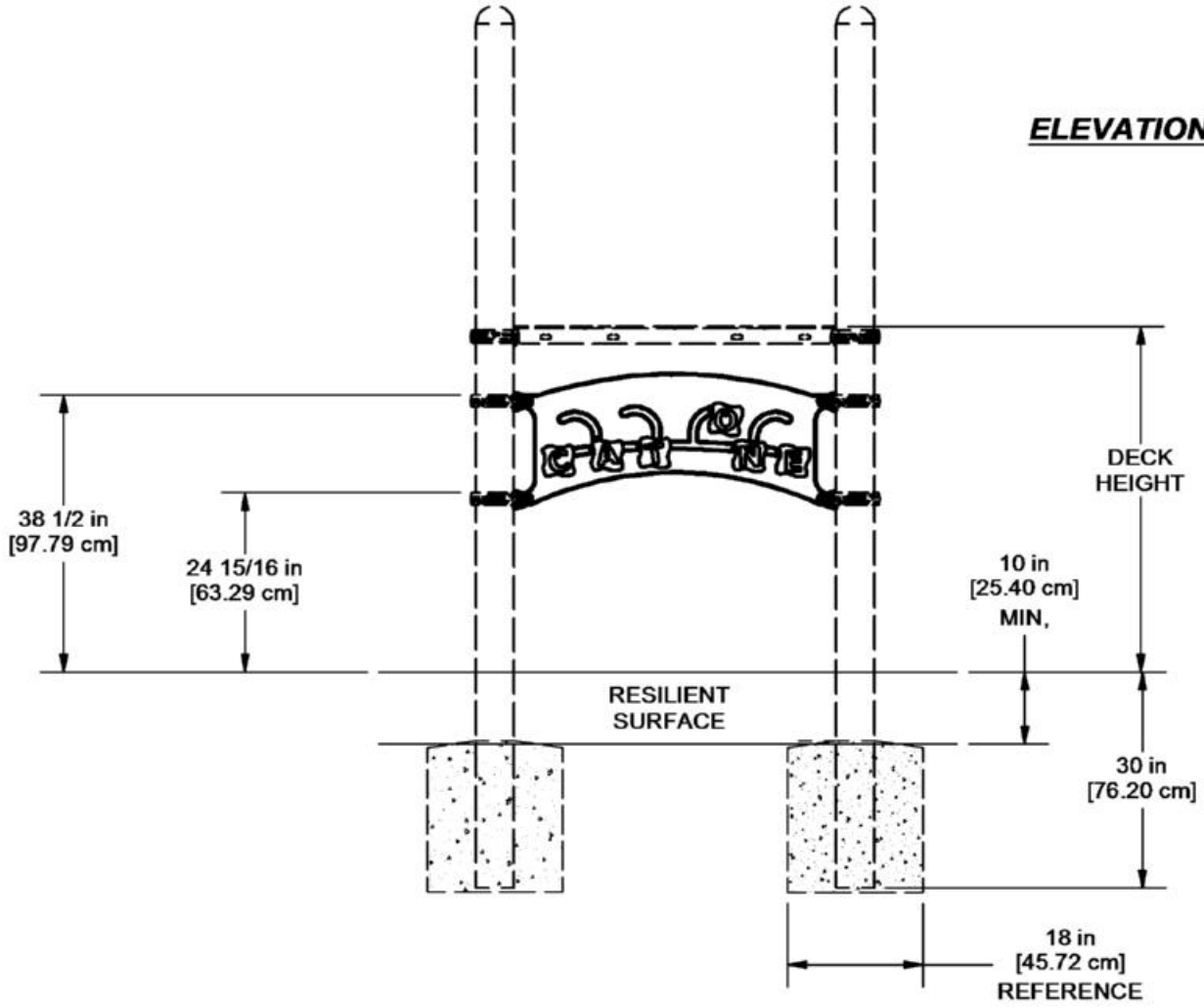
Issued/Revised: 12/30/2025

***FINISHED ASSEMBLY***

# 71158 Word Scramble (ADA Panel)




***PLAN VIEW***

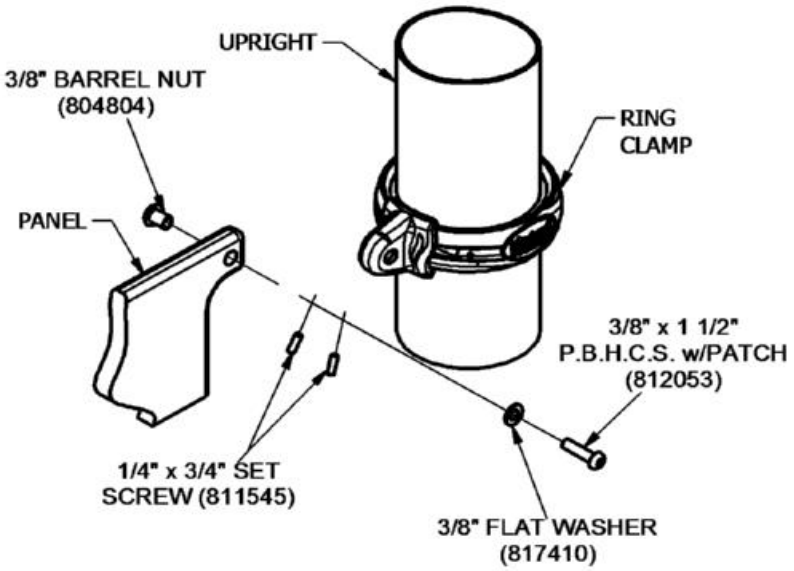



***ELEVATION VIEW***

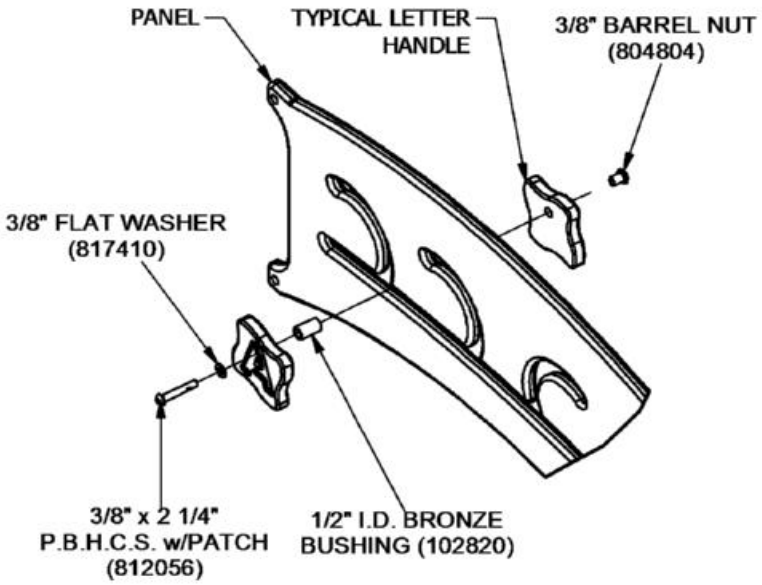
# 71158 Word Scramble (ADA Panel)

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




409

SuperMax Play Systems

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

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

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

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

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

***INSTALLATION INSTRUCTIONS:***

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

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

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

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

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

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

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

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

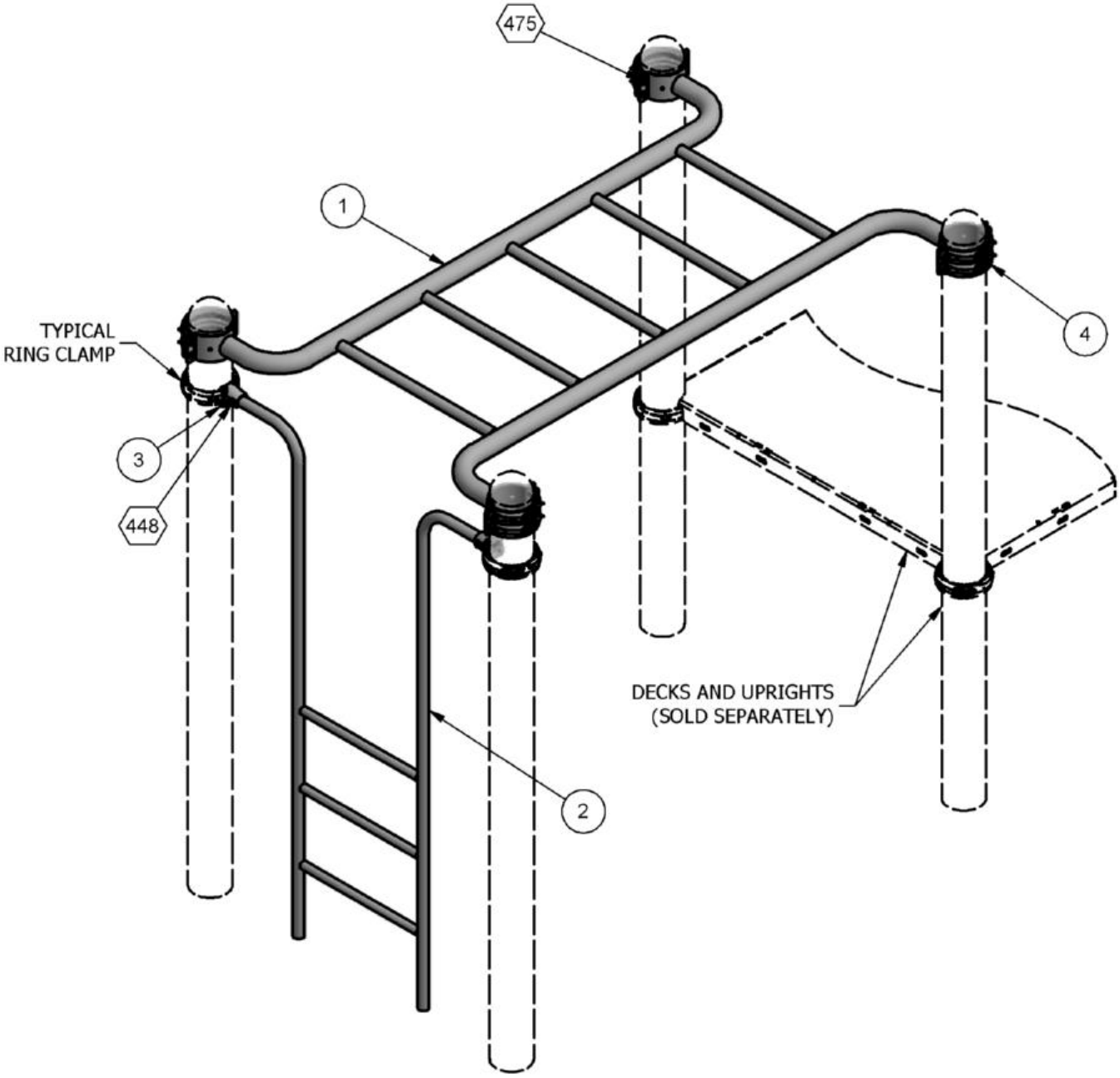
7. When structure is finished and satisfactory, tighten all fastener and install Drive Rivets in all clamps to ensure clamps cannot slide down the posts. See Ring Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them.*** Also, eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety Guidelines.

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

***MAINTENANCE PROCEDURE:***

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check resilient surfacing for appropriate depth, and remove extraneous materials that could cause injury, infection, or disease. Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

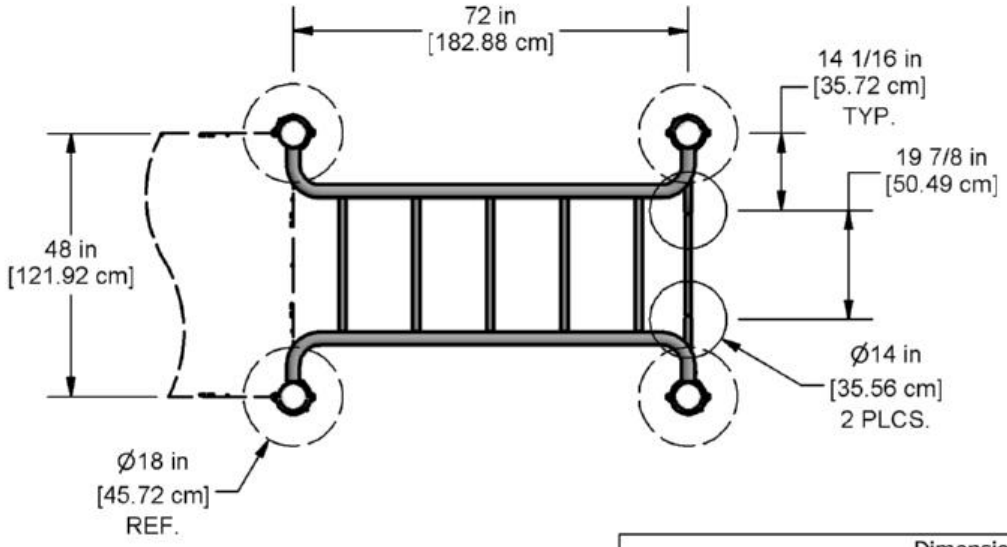
# 6' Horizontal Ladder - Attachment
## 71188 (0'-8", 1'-0" & 1'-4"); 71189 (2'-0"); 71190 (2'-8")




***FINISHED ASSEMBLY***
71190 SHOWN

⬡ = INSTALLATION DETAIL

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

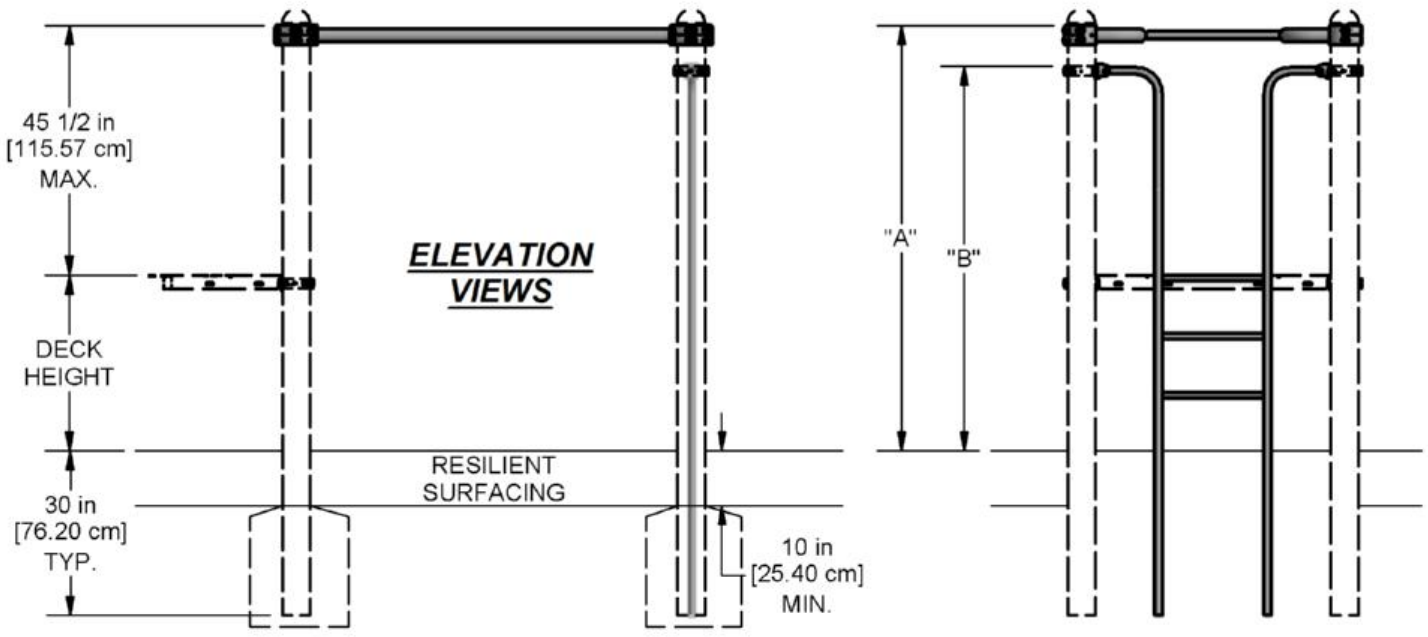



***PLAN VIEW***

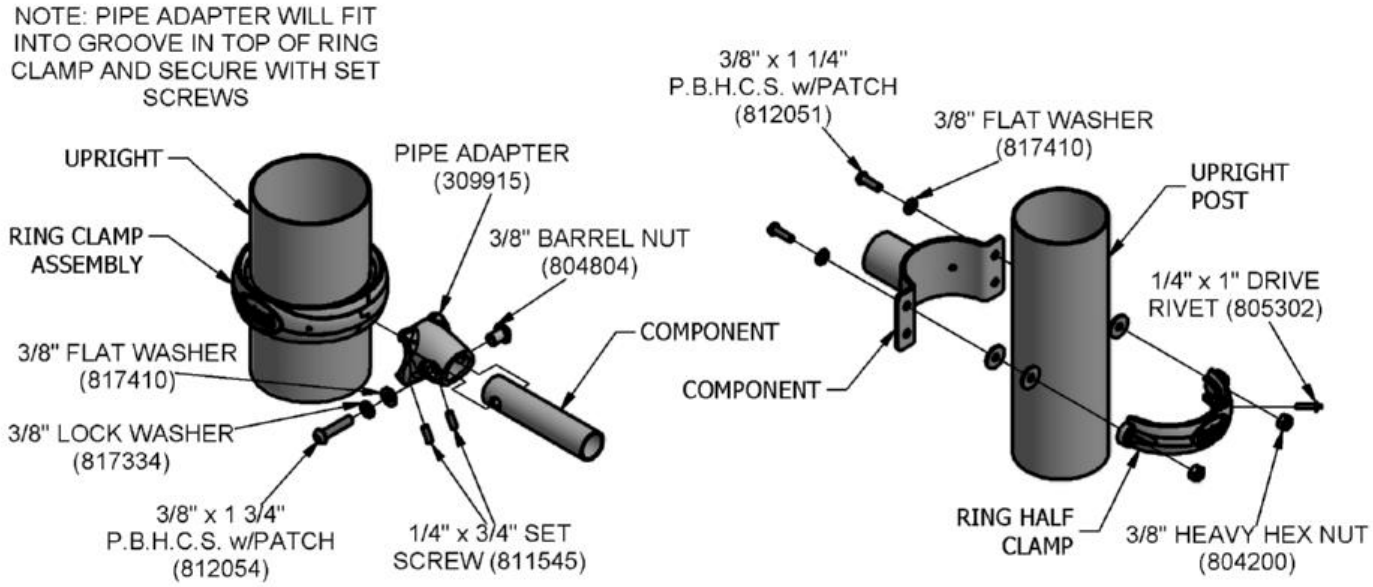
CONCRETE REQUIRED
0.14 CUBIC YARDS
[0.10 CUBIC METERS]

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

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



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




448

475

SuperMax Play Systems

# 71317 Single U-Handle

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

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

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

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

***INSTALLATION INSTRUCTIONS:***

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

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

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

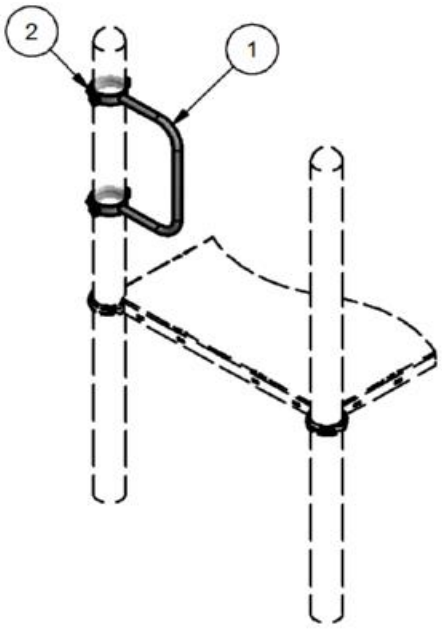
4. Plumb and level the U-Handle, then tighten all fasteners.

5. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the *Safety Guidelines*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

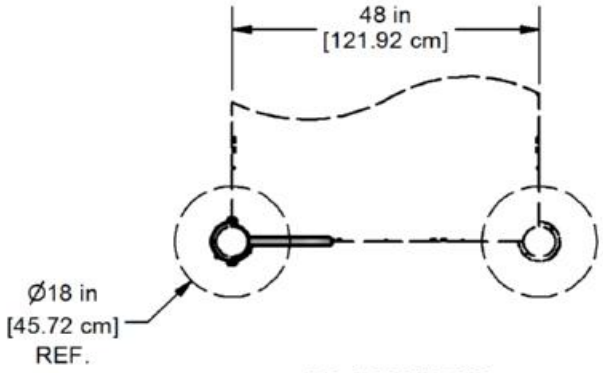
***MAINTENANCE PROCEDURE:***

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

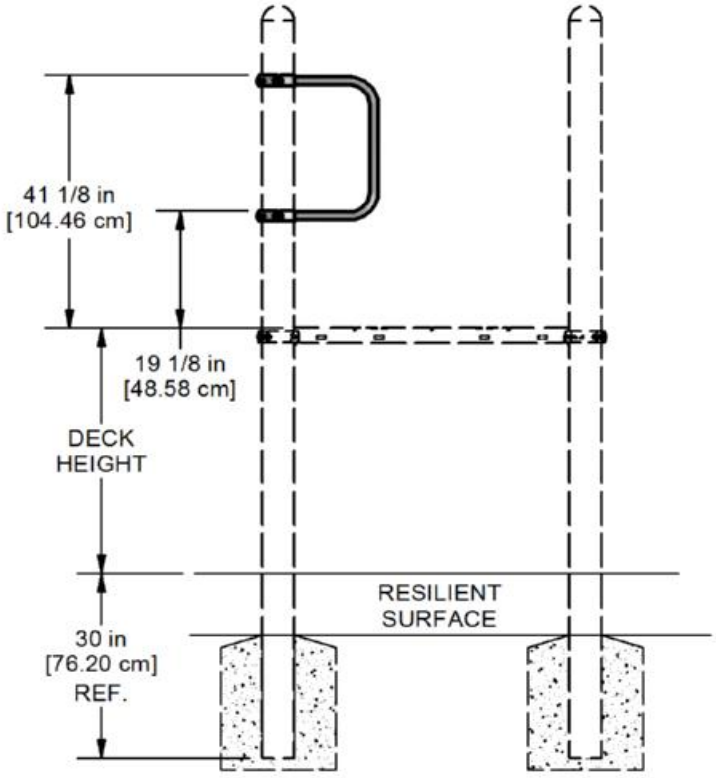
# 71317 Single U-Handle




DECKS AND UPRIGHTS
(SOLD SEPERATELY)



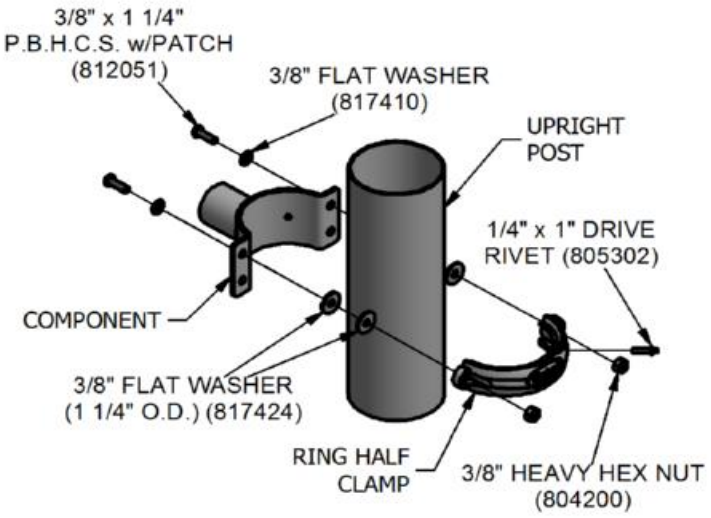

***PLAN VIEW***




***ELEVATION VIEW***

⬡ = INSTALLATION DETAIL

# 71317 Single U-Handle




475

# 71338 Hand Pedaler

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

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

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

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

***INSTALLATION INSTRUCTIONS:***

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

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

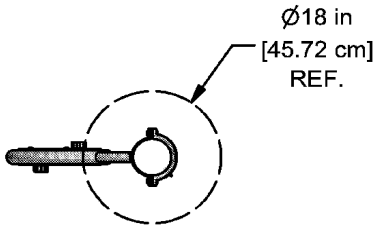
3. Attach Hand Pedaler to Upright Post using Ring Half Clamp, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 3/8" Flat Washer (1 1/4" O.D.) and 3/8" Heavy Hex Nut as shown in Detail 475.

4. When structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Pipe Clamp sub-assembly sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also Eliminate sharp points and sharp edges (burring on installed hardware like bolts, nuts etc. Install resilient surfacing material within the *use zone* of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the *Safety Guidelines*.

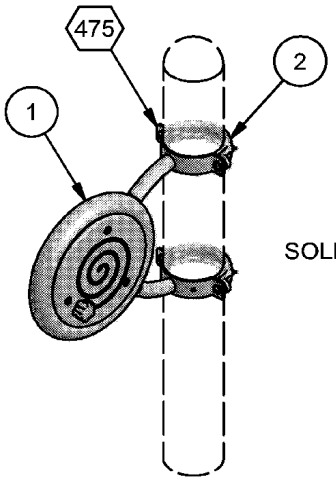
***MAINTENANCE PROCEDURE:***

Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check resilient surfacing for appropriate depth, and remove extraneous materials that could cause injury, infection, or disease. Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

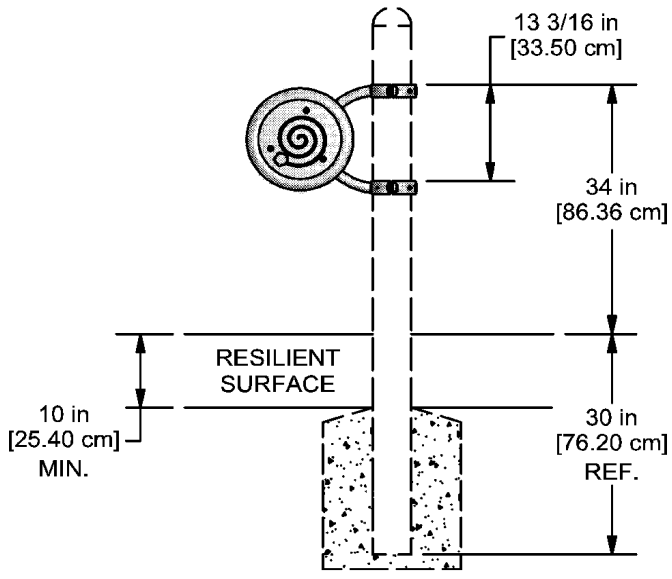
# 71338 Hand Pedaler




***PLAN VIEW***

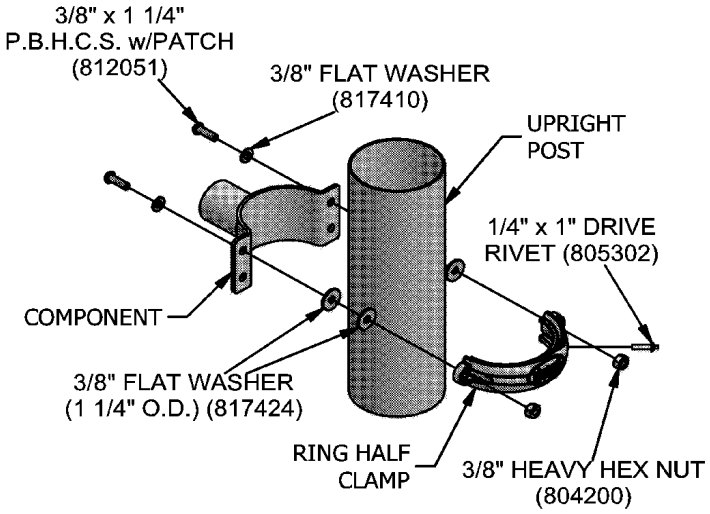



***FINISHED ASSEMBLY***




***ELEVATION VIEW***

# 71338 Hand Pedaler




475

# 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 |

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

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

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

***INSTALLATION INSTRUCTIONS:***

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

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

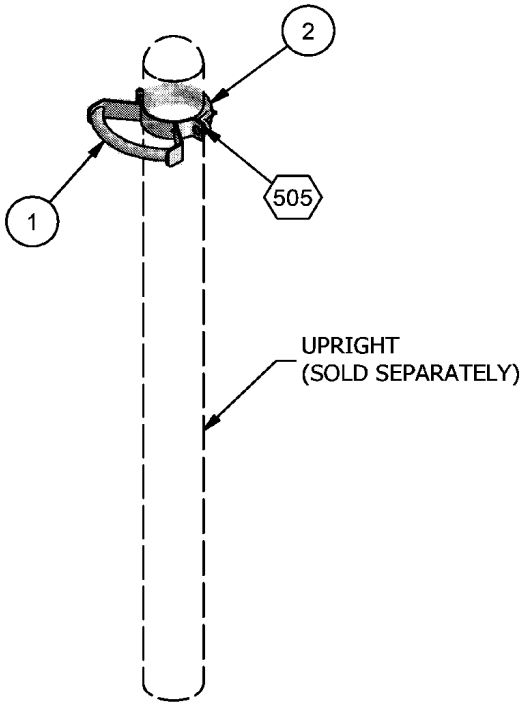
3. Attach Leg Lift to Upright Post using Ring Half Clamp, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, 3/8" Flat Washer (1 1/4" O.D.) and 3/8" Heavy Hex Nut as shown in Detail 505.

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*.

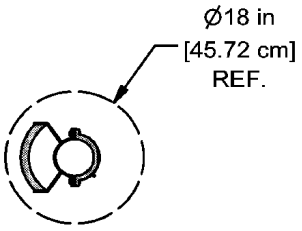
***MAINTENANCE PROCEDURE:***

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.

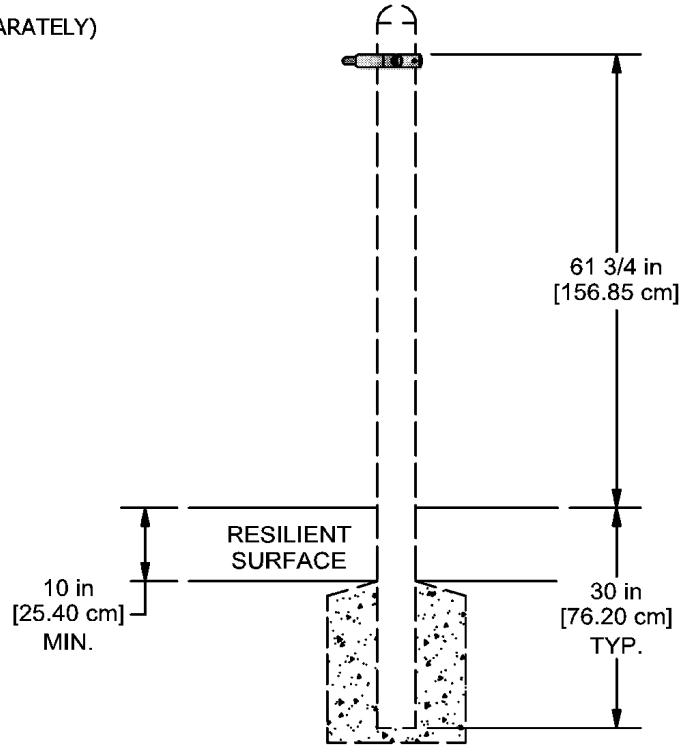
# 71340 Leg Lift




***FINISHED ASSEMBLY***



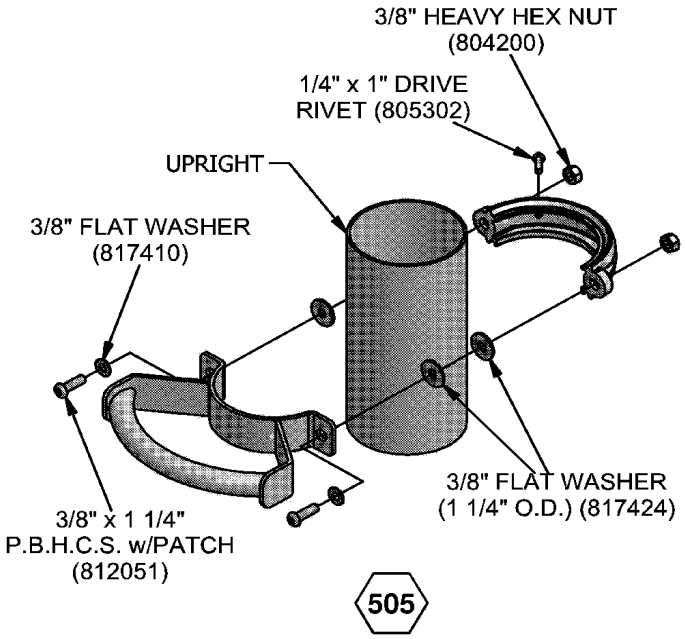

***PLAN VIEW***




***ELEVATION VIEW***

⬡ = INSTALLATION DETAIL

# 71340 Leg Lift



SuperMax Play Systems

# 71348 Seat for Two and Table

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

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

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

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

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

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

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

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

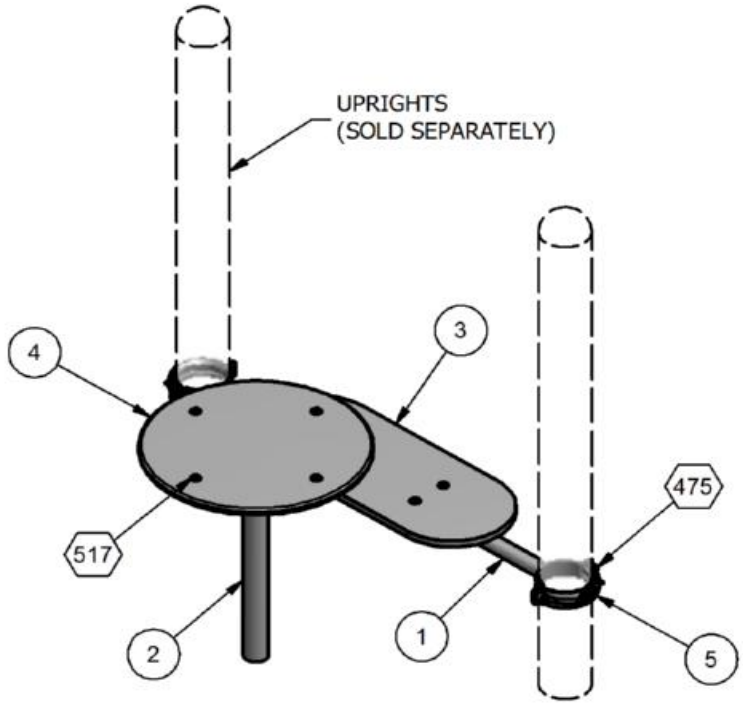
# 71348 Seat for Two and Table

7. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the *Safety Guidelines*. Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

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

***MAINTENANCE PROCEDURE:***

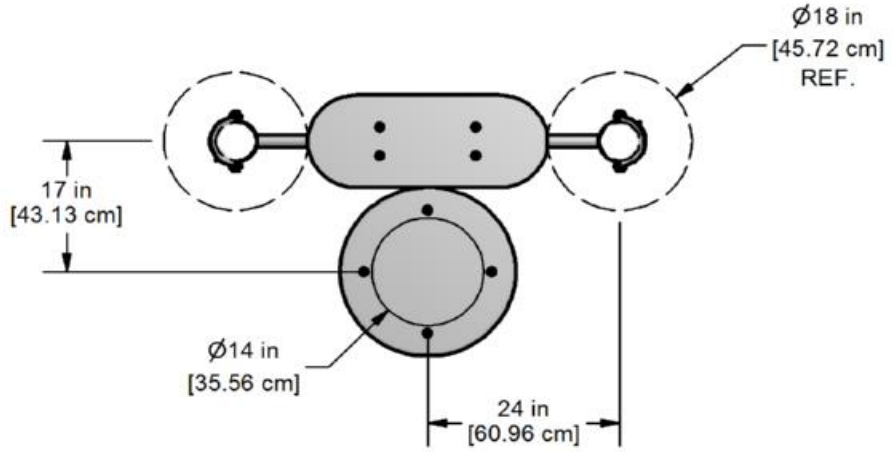
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check resilient surfacing for appropriate depth, and remove extraneous materials that could cause injury, infection, or disease. Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.



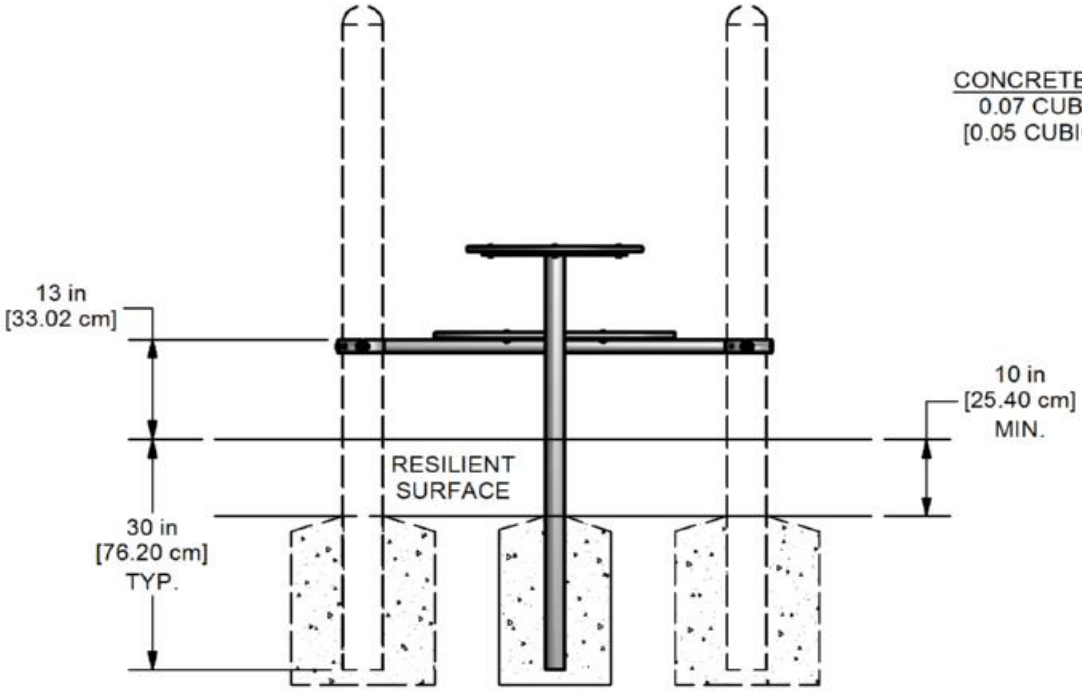

= INSTALLATION DETAIL

***FINISHED ASSEMBLY***

# 71348 Seat for Two and Table

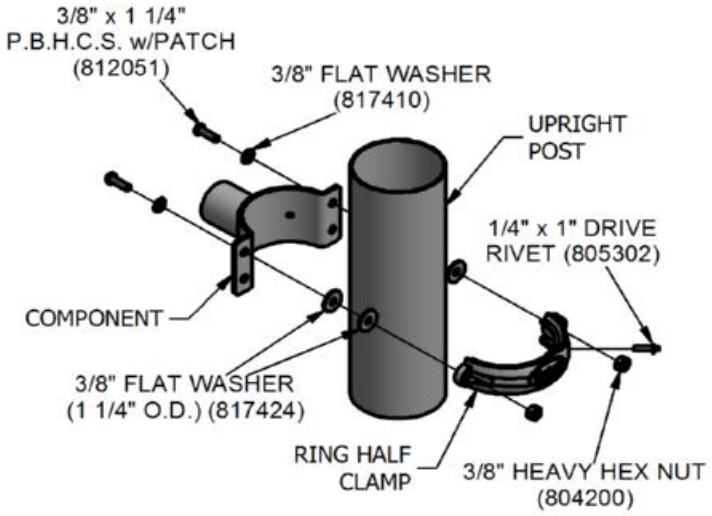



***PLAN VIEW***

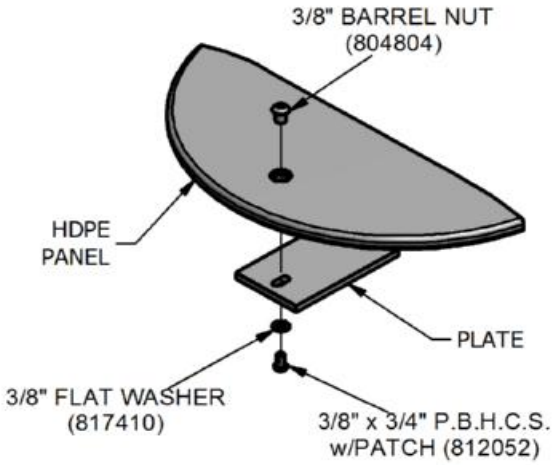



***ELEVATION VIEW***

# 71348 Seat for Two and Table




475




517

# 71380 Telephone Tube

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | TELEPHONE TUBE | 1 | 302125 |
| 2 | RING HALF CLAMP | 2 | 309913 |
| 3 | 25' FLEX HOSE | 1 | 306774 |
| | -----HARDWARE COMPLETE----- | 1 | 310662 |
| | HOSE CLAMP | 2 | 302090 |
| | SLEEVE | 1 | 304245 |
| | 1/4" x 1" DRIVE RIVET | 2 | 805302 |
| | 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 4 | 812051 |
| | 3/8" FLAT WASHER | 4 | 817410 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 817424 |
| | 3/8" HEAVY HEX NUT | 4 | 804200 |

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

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

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

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

***INSTALLATION INSTRUCTIONS:***

Note: Two 71380 Components are required for complete Telephone Tube Assembly.

1. Select the appropriate Upright Post to receive the Telephone Tube. Refer to your overhead drawing for location. Note: Telephone Tube should be installed to its appropriate posts prior to concreting those posts. End of Telephone Tubes should not be concreted.

2. Dig a 6" to 12" deep trench from one Upright Post to the other for laying of the hose. Hose should be buried below resilient surfacing level, but not in concrete.

3. Attach Telephone Tube to Upright Post using Ring Half Clamps, 3/8" x 1 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washers, 3/8" Flat Washers (1 1/4" O.D.) and 3/8" Heavy Hex Nuts as shown in Detail 475. It should be positioned such that the lower in-ground end points toward the other Upright Post.

4. Slide a Hose Clamp over the lower end of a Telephone Tube along with one end of the flexible hose. Slide Hose Clamp over hose and tighten to securely hold in place as shown in Detail 521.

5. Run hose through the trench and repeat at the other end for the other Telephone Tube. Note: Sleeve and extra Hose Clamp are provided to connect hoses if length needed exceeds 25'. See Detail 522.

6. When the entire assembly is plumb and level, tighten all fasteners.

7. Cover up the trench with the hose by back-filling dirt.

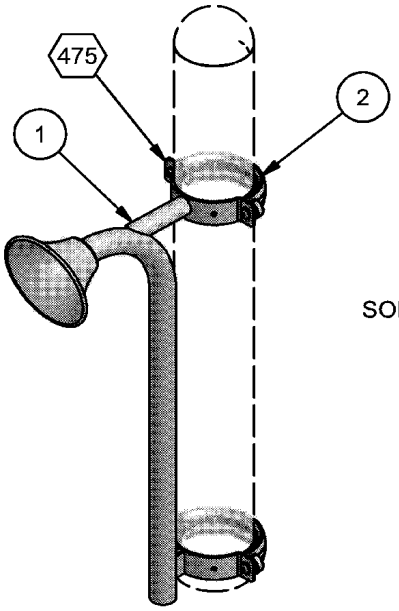
# 71380 Telephone Tube

8. 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.

FLEX HOSE IS BELOW GROUND AND IS NOT VISIBLE IN THIS VIEW, ATTACH TO LOWER END OF TELEPHONE TUBE USING DETAIL 521

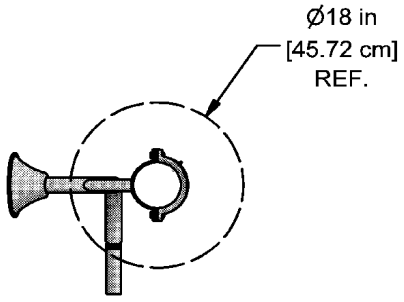



UPRIGHT
SOLD SEPERATELY

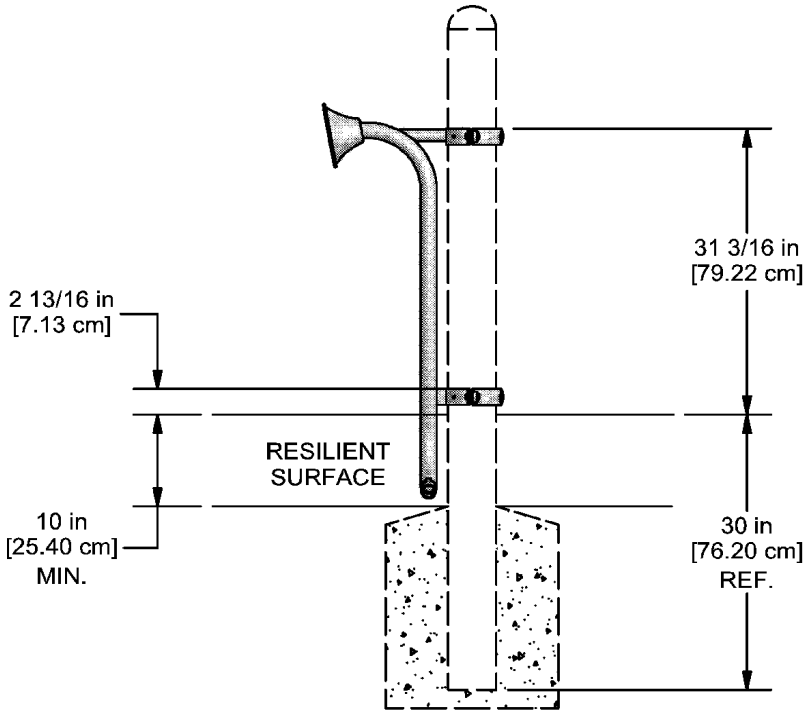
***FINISHED ASSEMBLY***

⬡ = INSTALLATION DETAIL

# 71380 Telephone Tube

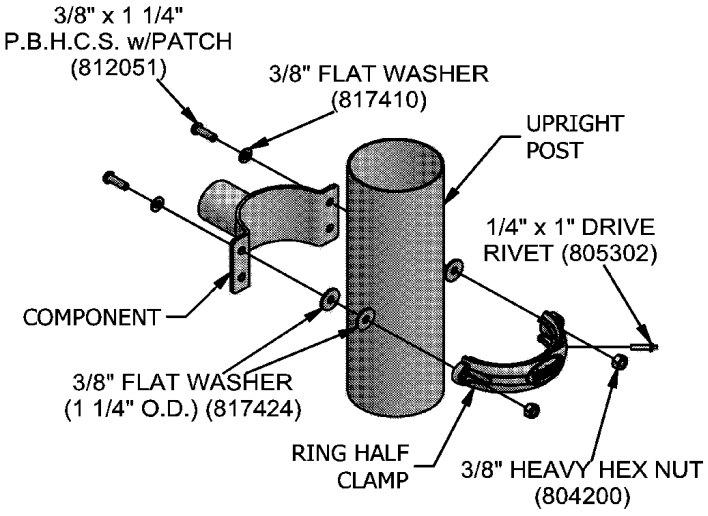



***PLAN VIEW***

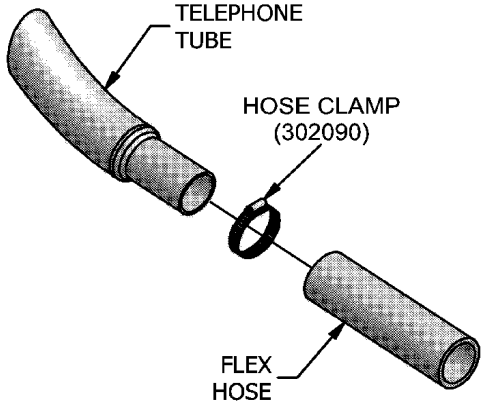



***ELEVATION VIEW***

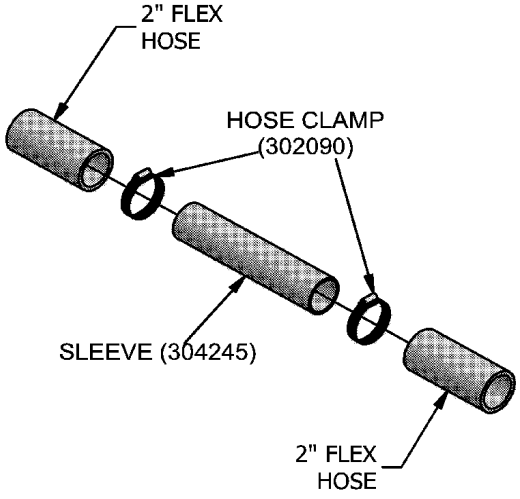
# 71380 Telephone Tube




475




521




522

SuperMax Play Systems

# 71385 BALCONY DECK
# 71386 BALCONY DECK w/PLAYWHEEL

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

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

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

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

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

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

**INSTALLATION INSTRUCTIONS:**

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

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

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

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

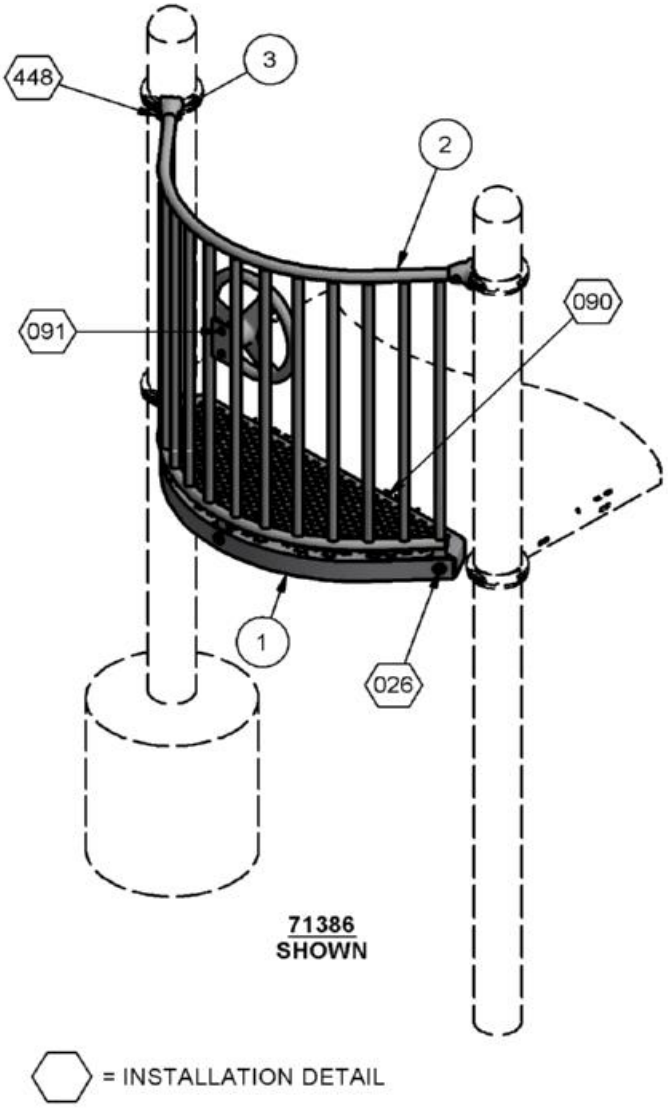
5.When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See a Deck Clamp subassembly sheet. It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial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

Install resilient surfacing material within the use zone of play structure, in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the Safety Guidelines.

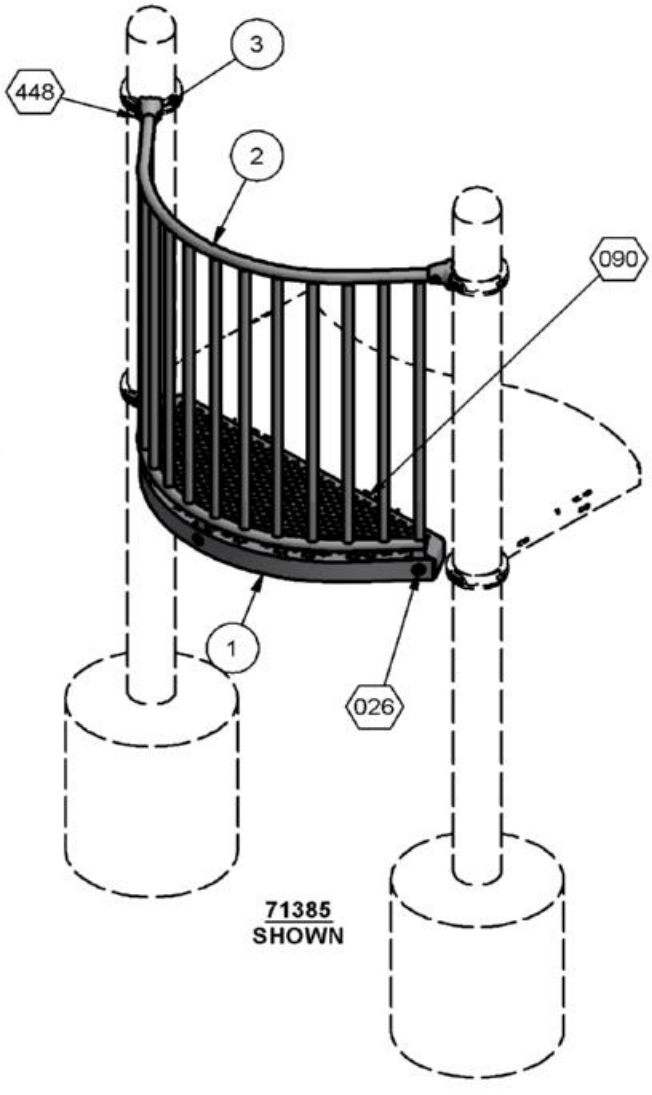
# 71385 BALCONY DECK
# 71386 BALCONY DECK w/PLAYWHEEL

***MAINTENANCE PROCEDURE:***

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



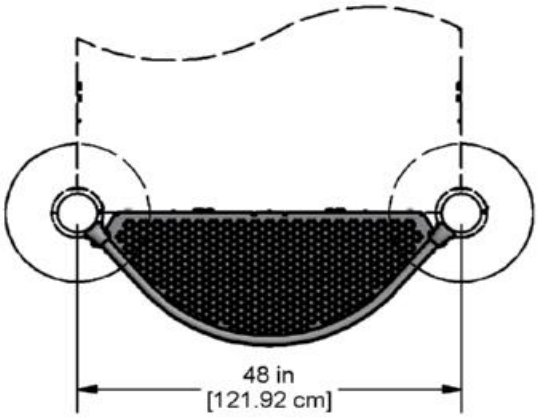

**71386**
**SHOWN**



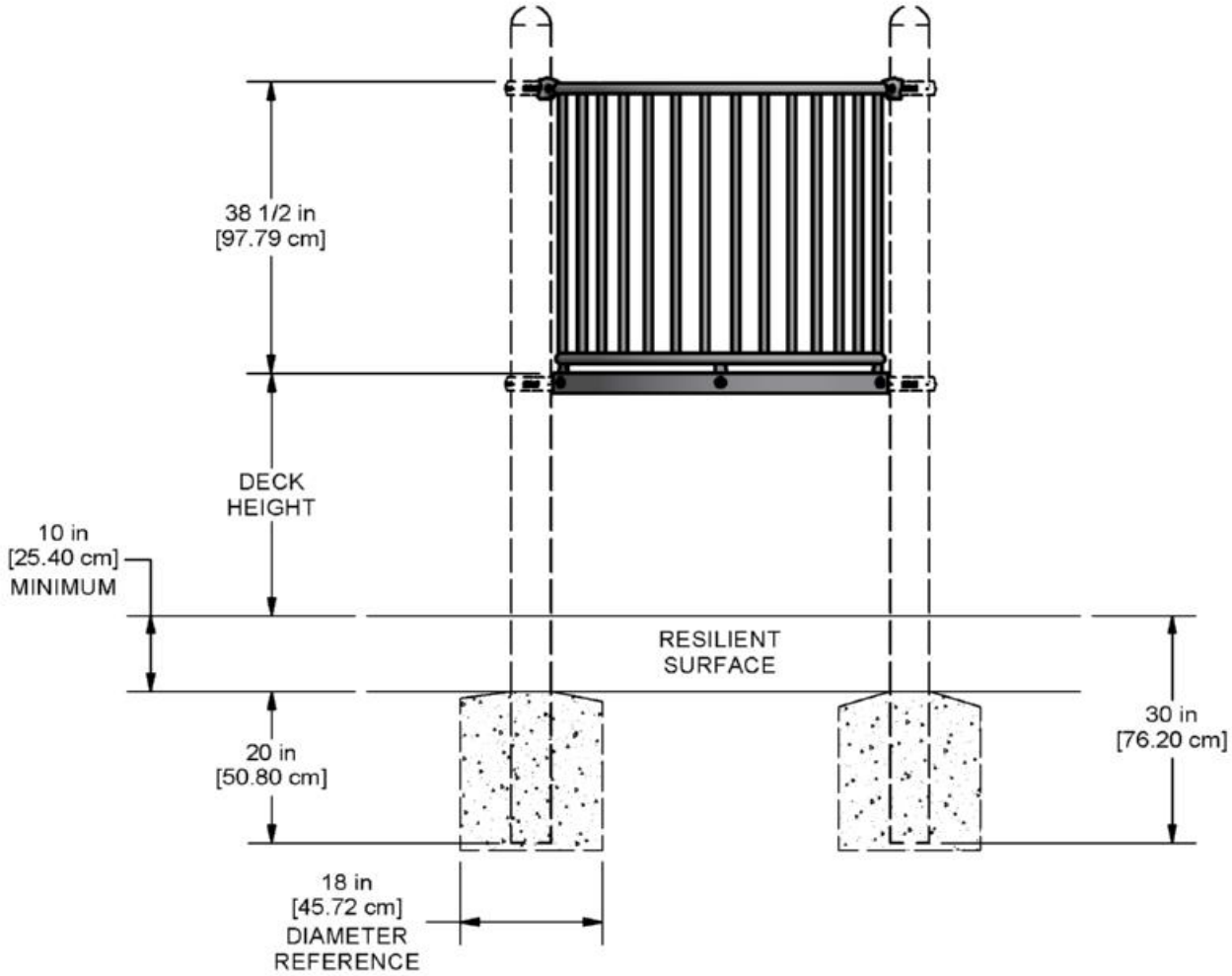

**71385**
**SHOWN**

⬡ = INSTALLATION DETAIL

# 71385 BALCONY DECK
# 71386 BALCONY DECK w/PLAYWHEEL

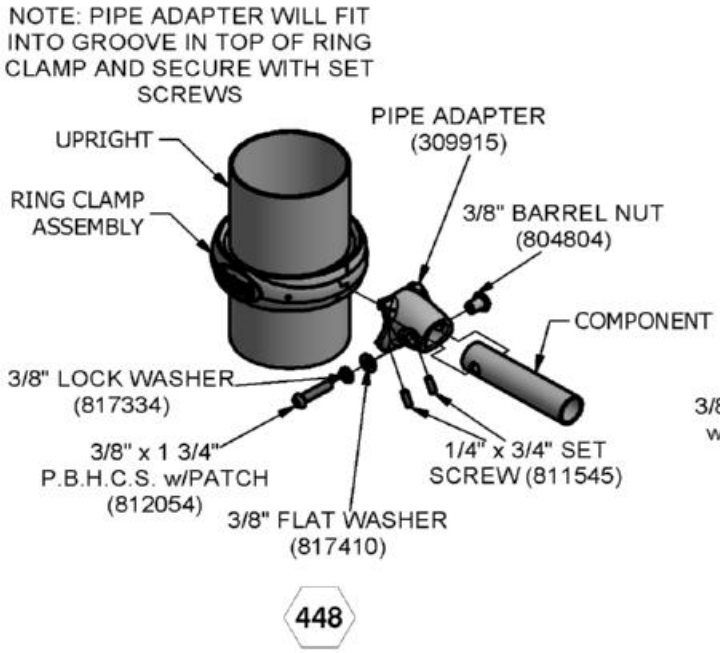



***PLAN VIEW***

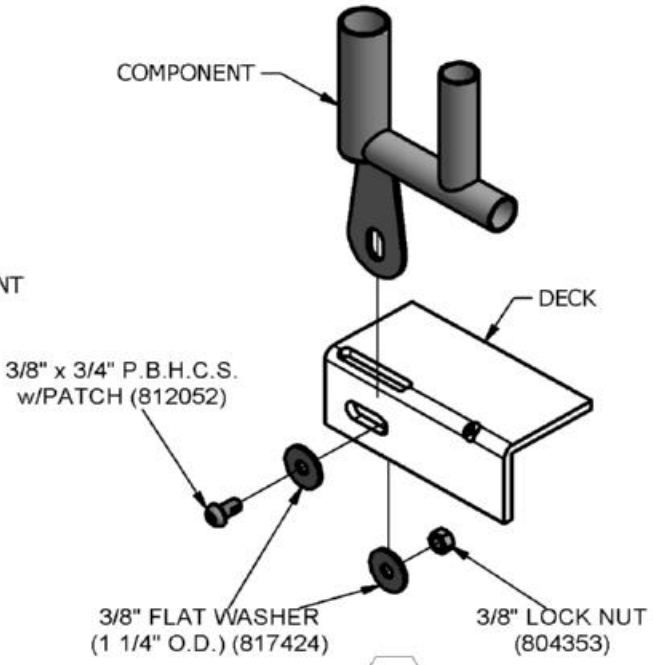



***ELEVATION VIEW***

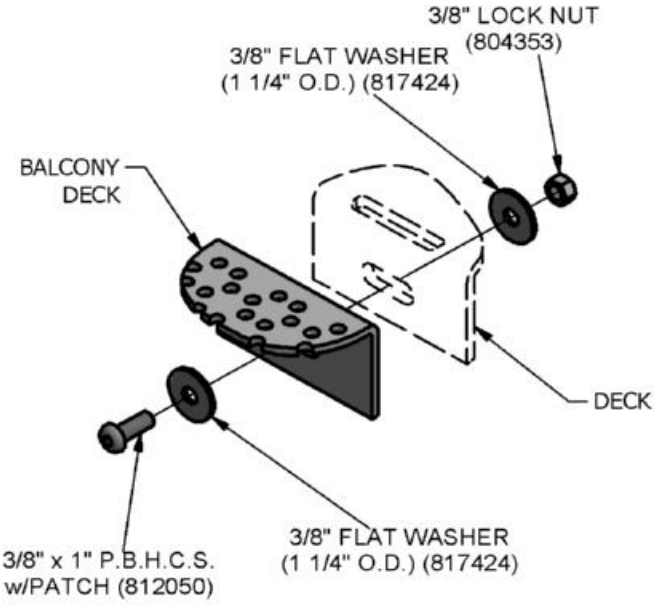
# 71385 BALCONY DECK
# 71386 BALCONY DECK w/PLAYWHEEL



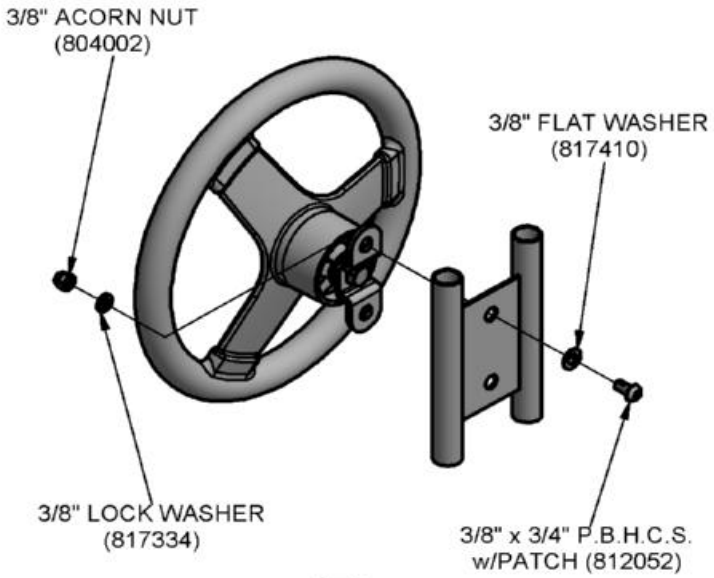

448




026




090




091

SuperMax Play Systems

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

# 71464 Slide Transfer

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

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

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

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

## INSTALLATION INSTRUCTIONS:

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

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

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

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

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

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

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

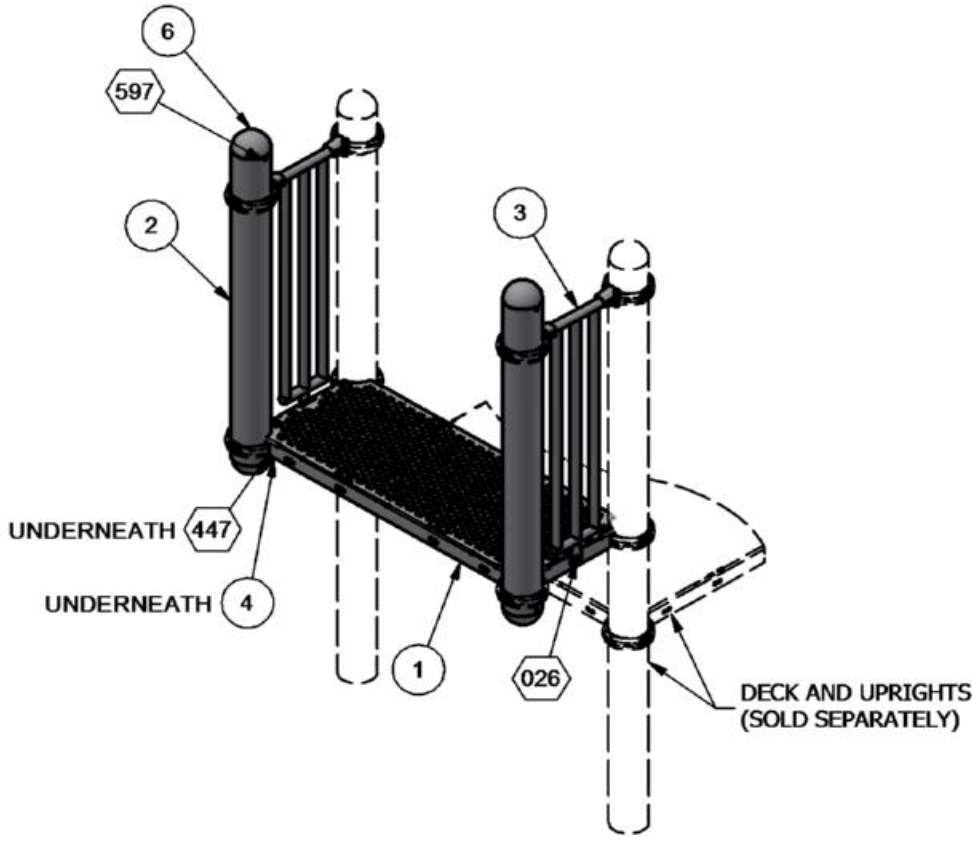
# 71464 Slide Transfer

When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial weight without them***. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the *Safety Guidelines.* Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc.

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

***MAINTENANCE PROCEDURE:***

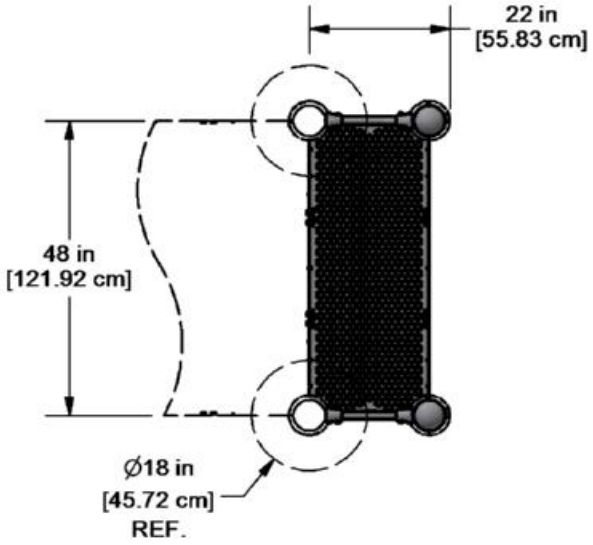
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check resilient surfacing for appropriate depth, and remove extraneous materials that could cause injury, infection, or disease. Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.



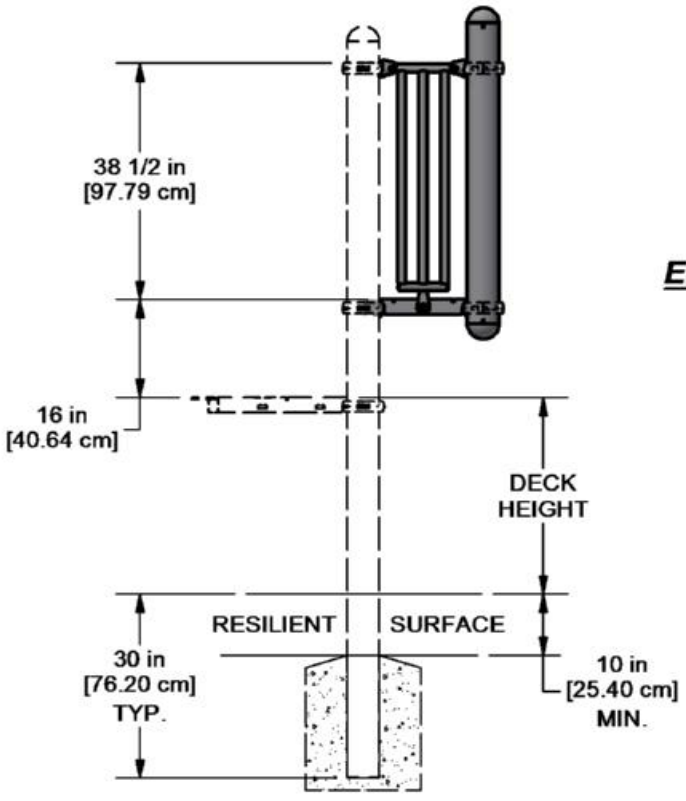

⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***

# 71464 Slide Transfer

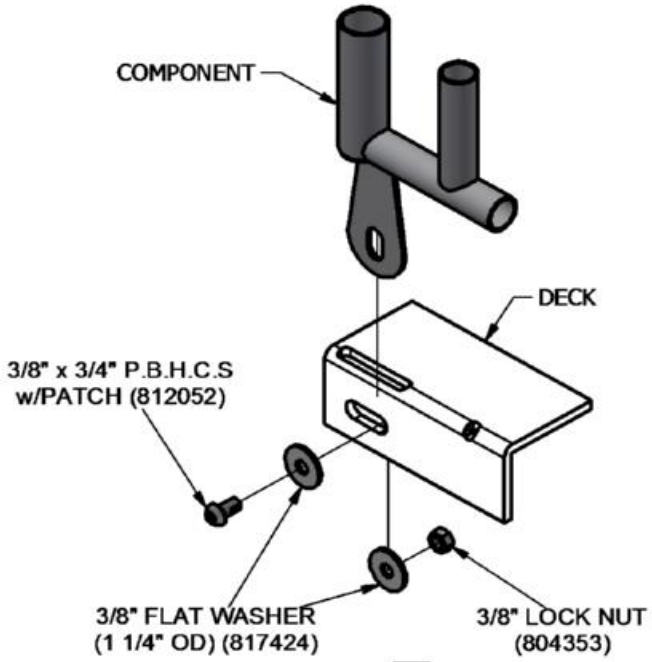



***PLAN VIEW***

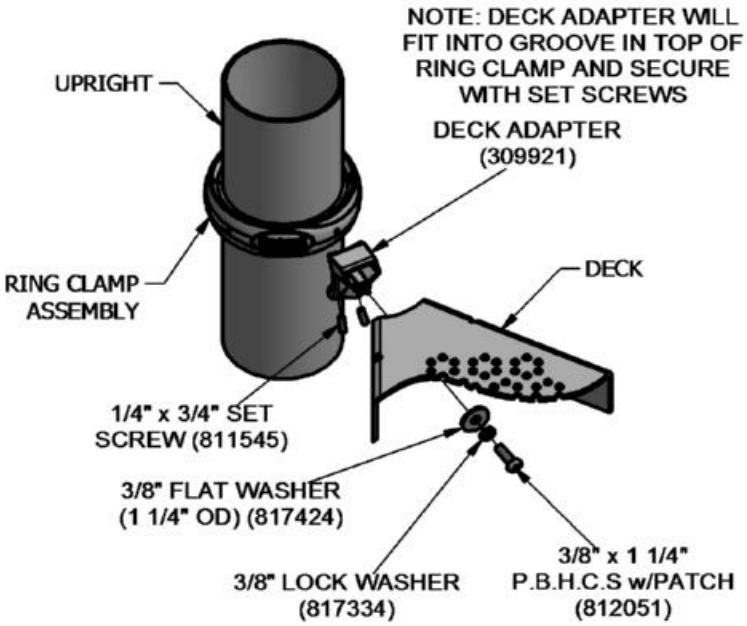



***ELEVATION VIEW***

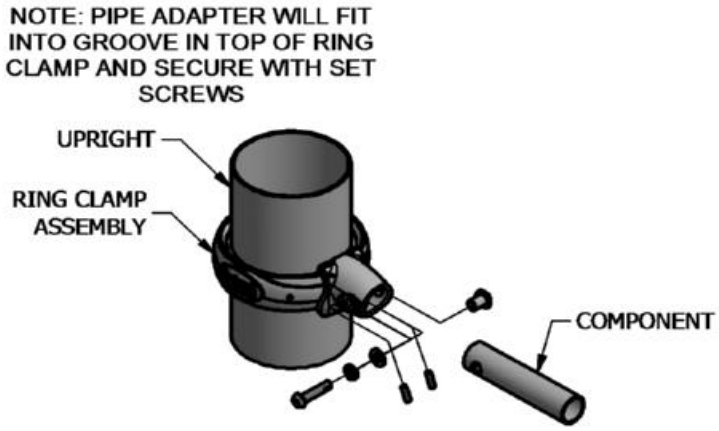
# 71464 Slide Transfer



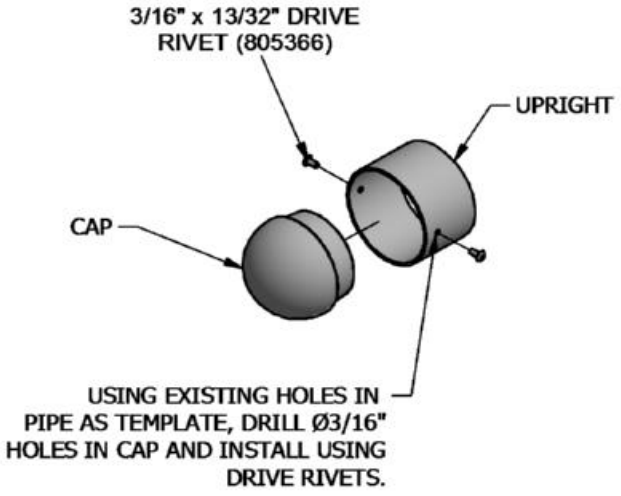

026




447




448




597

SuperMax Play Systems

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

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

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

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

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

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

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

***INSTALLATION INSTRUCTIONS:***

1. Locate the appropriate decks to attach the Stair.

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

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

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

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

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

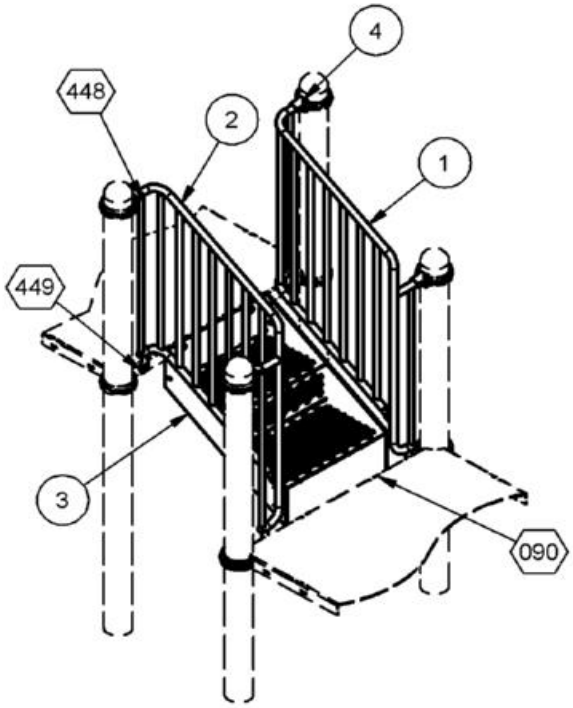
7. Plumb and Level the entire assembly.

8. When structure is finished and satisfactory, tighten all fasteners and install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp installation sheet. ***It is very important that all Drive Rivets be installed prior to allowing use of equipment, as clamps are not designed to support substantial weight without them.*** Also Eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts etc. Install resilient surfacing material within the ***use zone*** of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the ***Safety Guidelines***.

***MAINTENANCE PROCEDURE:***

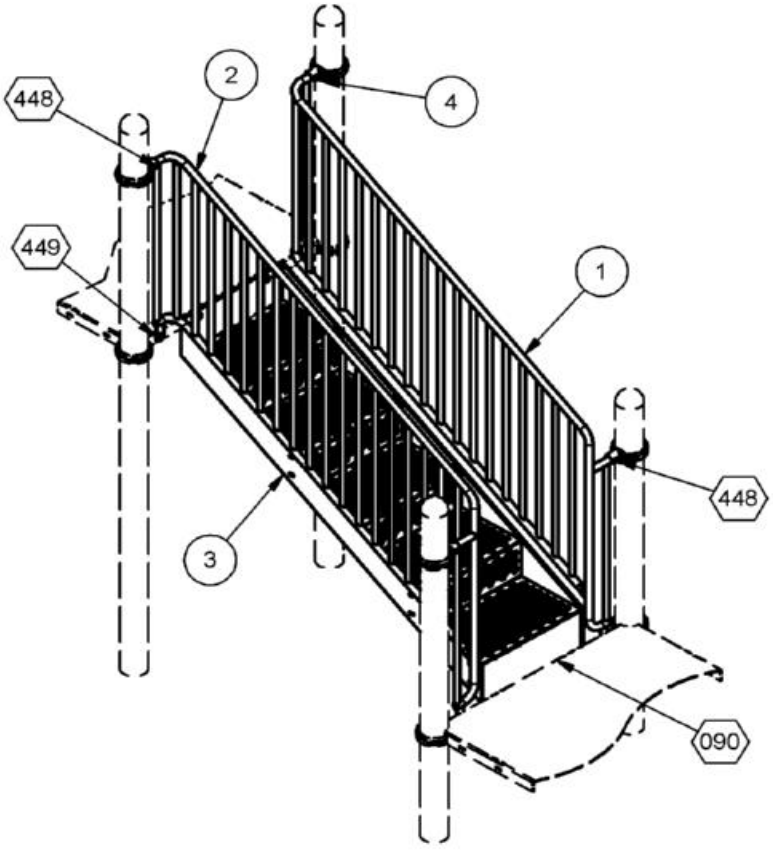
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check resilient surfacing for appropriate depth, and remove extraneous materials that could cause injury, infection, or disease. Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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




71472 SHOWN

***FINISHED ASSEMBLY***

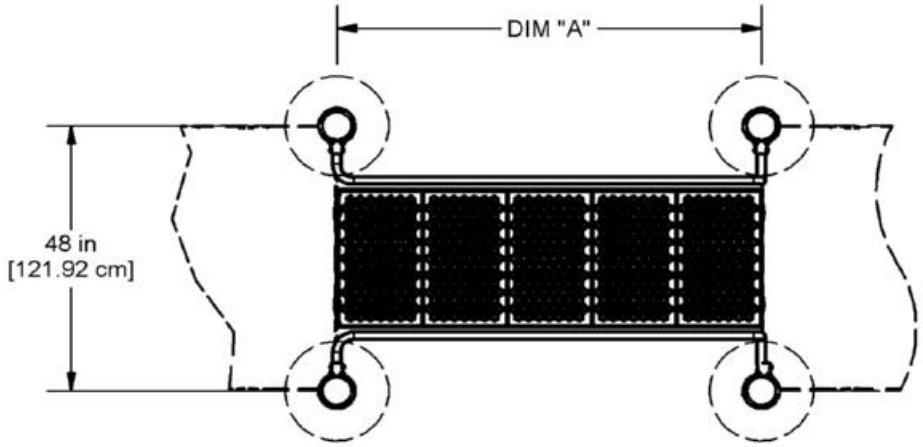



71475 SHOWN

DECKS AND UPRIGHTS SOLD SEPARATELY

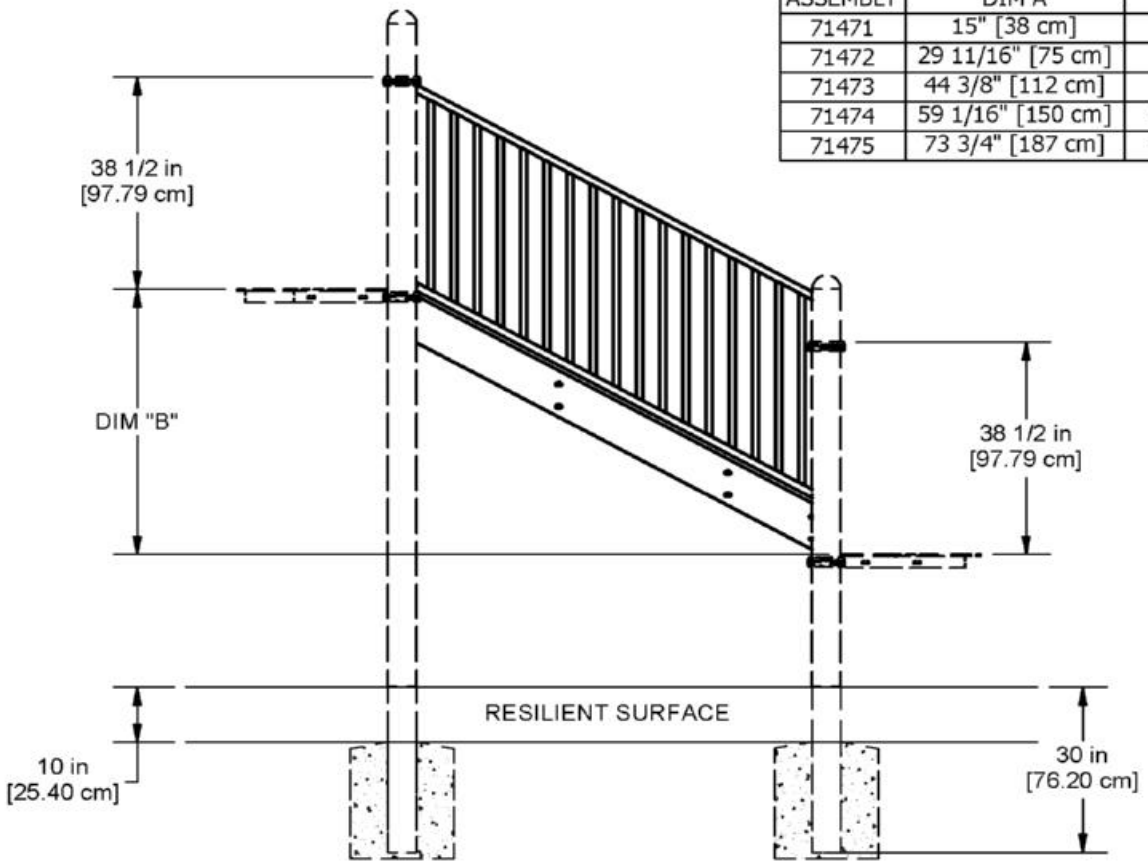
⬡ = INSTALLATION DETAIL

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



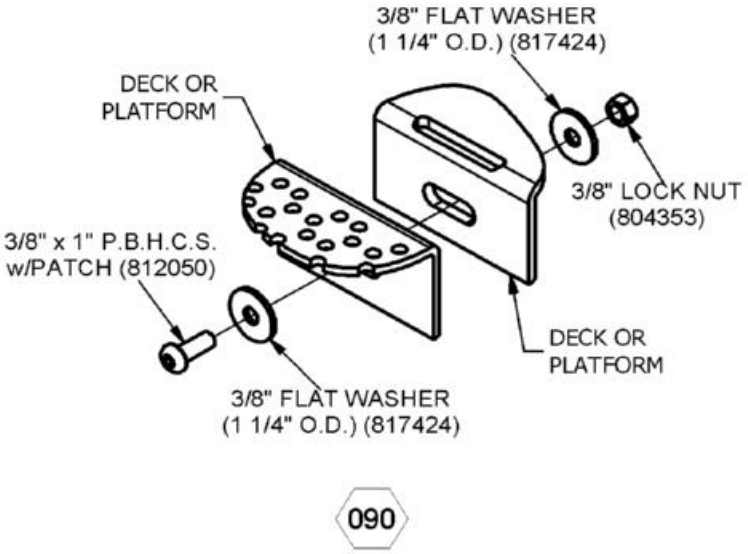

***PLAN VIEW***

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

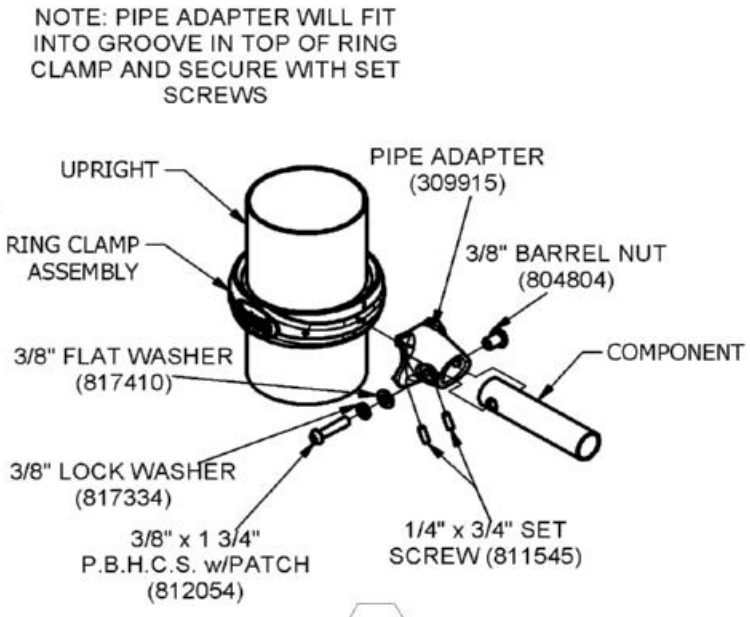



***ELEVATION VIEW***

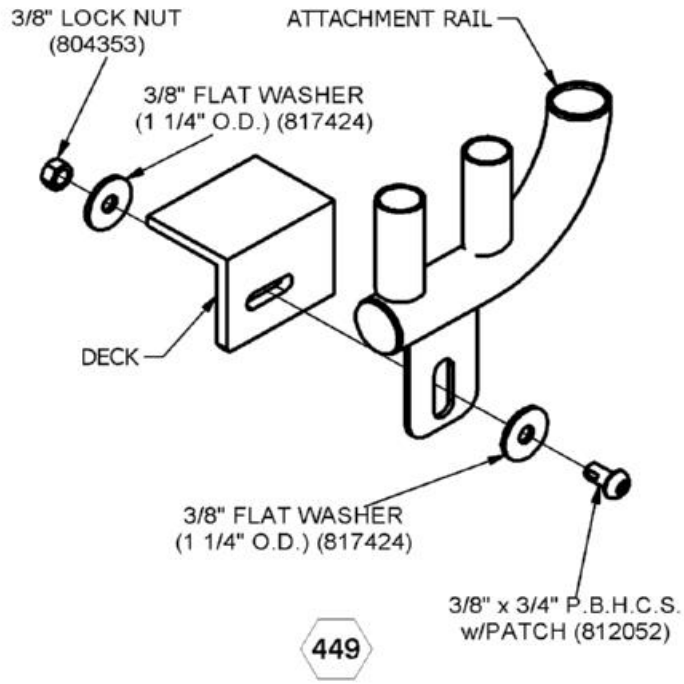
# Deck to Deck Stairs 71471 (1'-4" Rise); 71472 (2' Rise); 71473 (2'-8" Rise); 71474 (3'-4" Rise); 71475 (4' Rise)




090




448




449

# 71503 Flat Cap Package

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

*Unless Otherwise Specified, All Units of Measure are Each*
*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.**

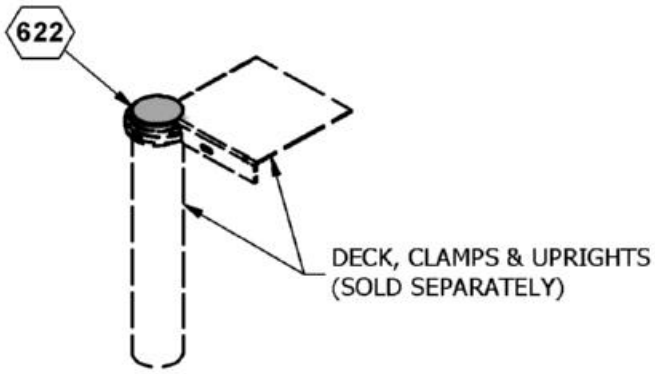
When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support substantial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

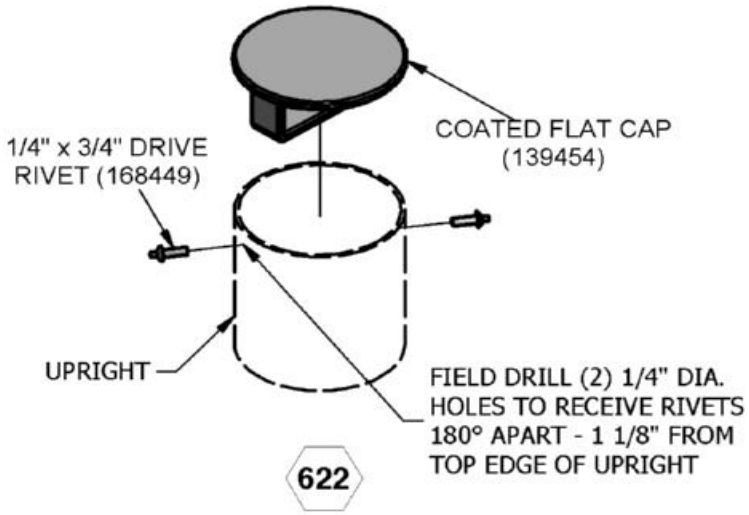
***MAINTENANCE PROCEDURE:***

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

# 71659 SINGLE VELOCITY WAVE SLIDE (2'-8")

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| SLIDE HOOD | 1 | 312484 |
| 2'-8" SINGLE VELOCITY WAVE SLIDE | 1 | 176399 |
| FOOTBUCK | 1 | 176384 |
| PANEL ADAPTER | 2 | 309919 |
| ***HARDWARE COMPLETE*** | 1 | 312600* |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 812054* |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 2 | 812053* |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 2 | 812051* |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 4 | 812052* |
| 3/8" FLAT WASHER | 6 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 4 | 817424* |
| 3/8" LOCK WASHER | 4 | 817334* |
| 1/4" x 3/4" SET SCREW | 4 | 811545* |
| 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.***

***INSTALLATION INSTRUCTIONS:***

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

2. 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 Foot Buck to Slide using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Lock washer and 3/8" Flat Washer. See Detail 024.

5. Attach Slide 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 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.

7. Attack Slide 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.

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

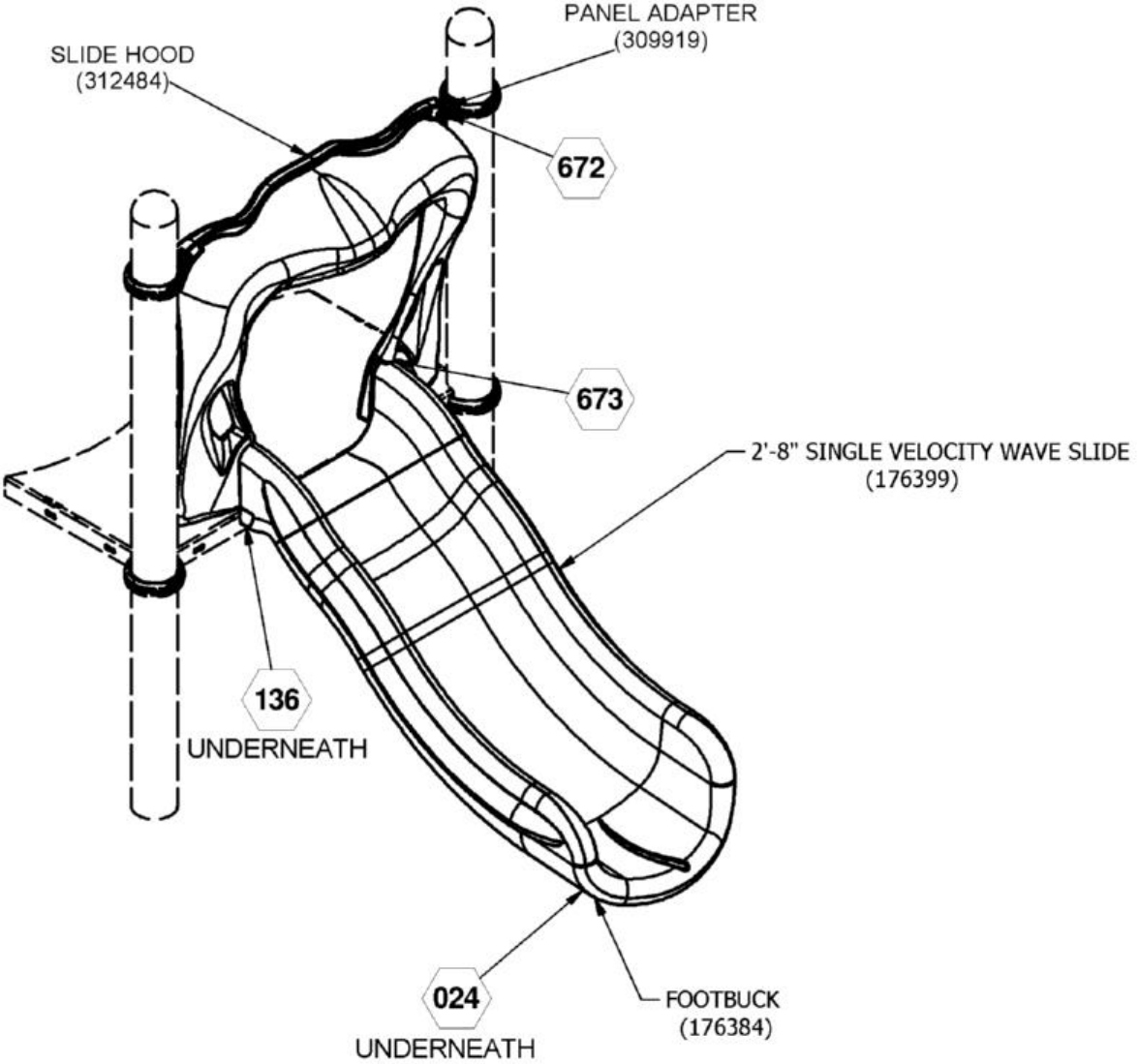
9. After entire unit is assembled pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use. Temporary bracing may be required until concrete cures.

# 71659 SINGLE VELOCITY WAVE SLIDE (2'-8")

10. 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.



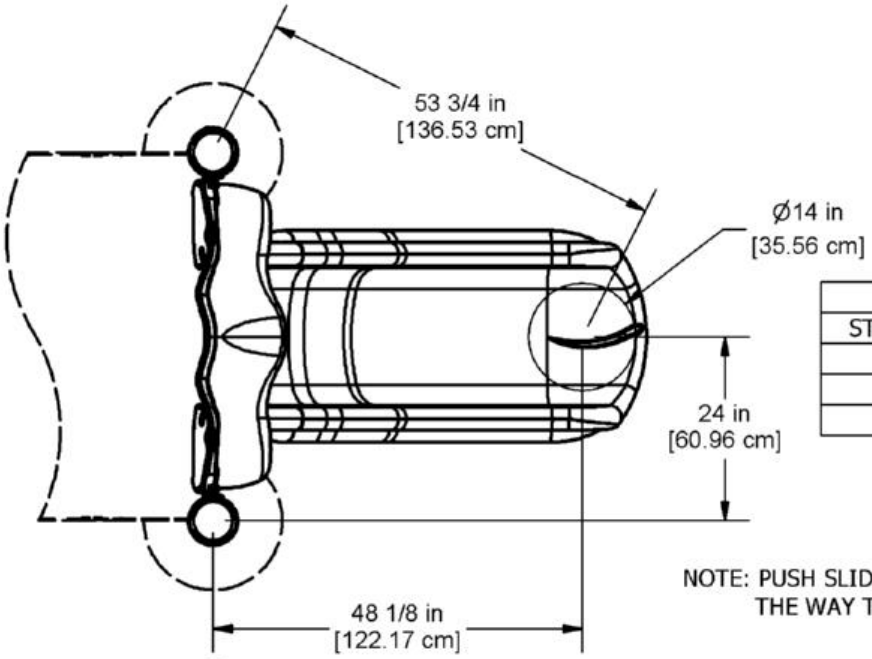

⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

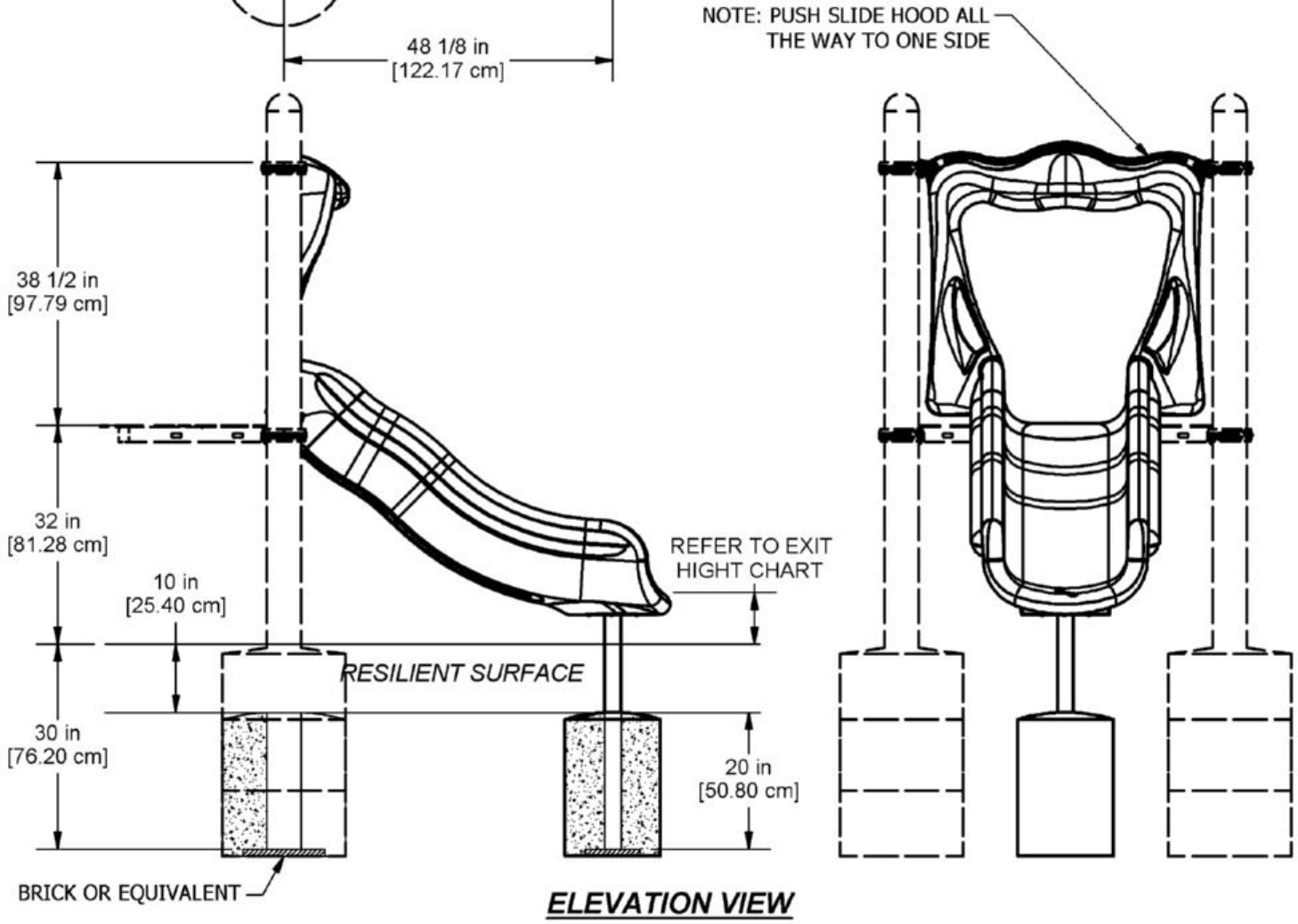
SuperMax Play Systems

# 71659 SINGLE VELOCITY WAVE SLIDE (2'-8")



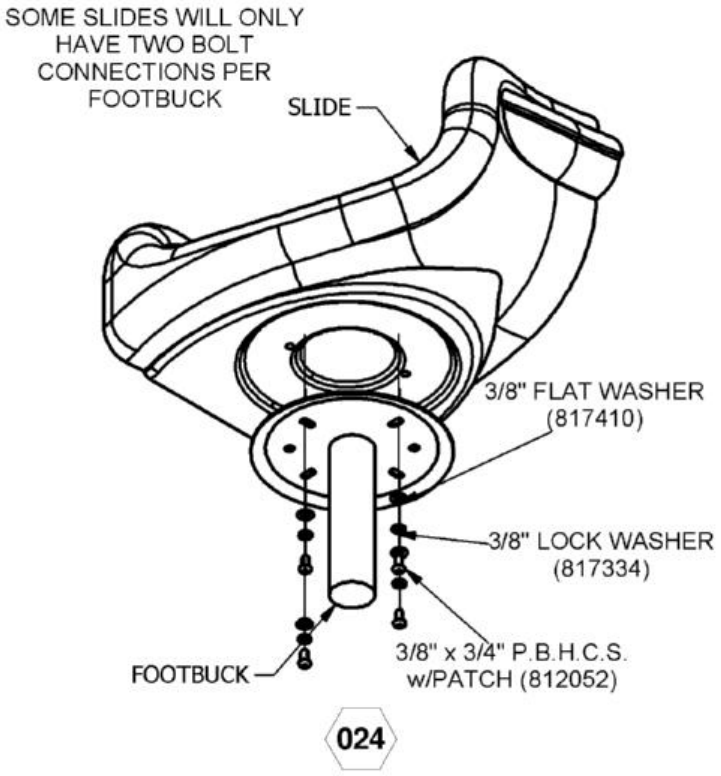

| EXIT HEIGHT CHART | |
|---|---|
| STANDARD | EXIT HEIGHT from SURFACING |
| ASTM | 7" TO 15" |
| CSA | 175mm TO 380mm |
| EN | 350mm OR LESS |

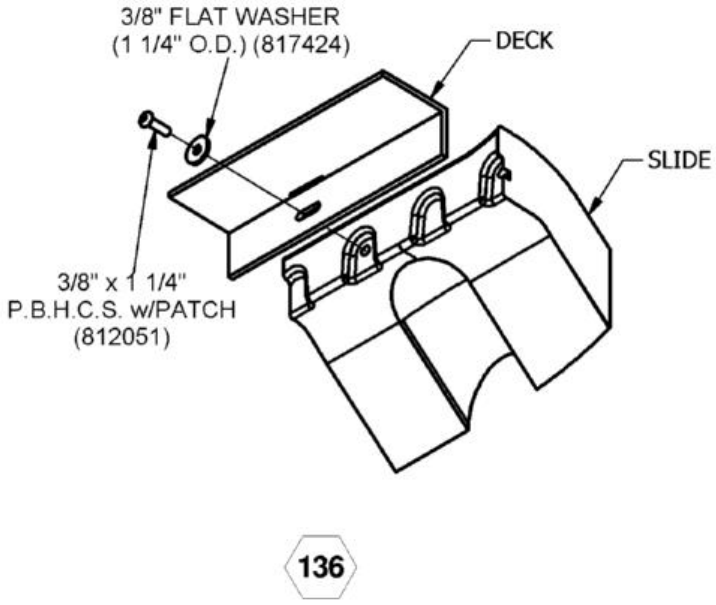
**CONCRETE REQUIRED**
.07 CUBIC YARDS
.05 [CUBIC METERS]

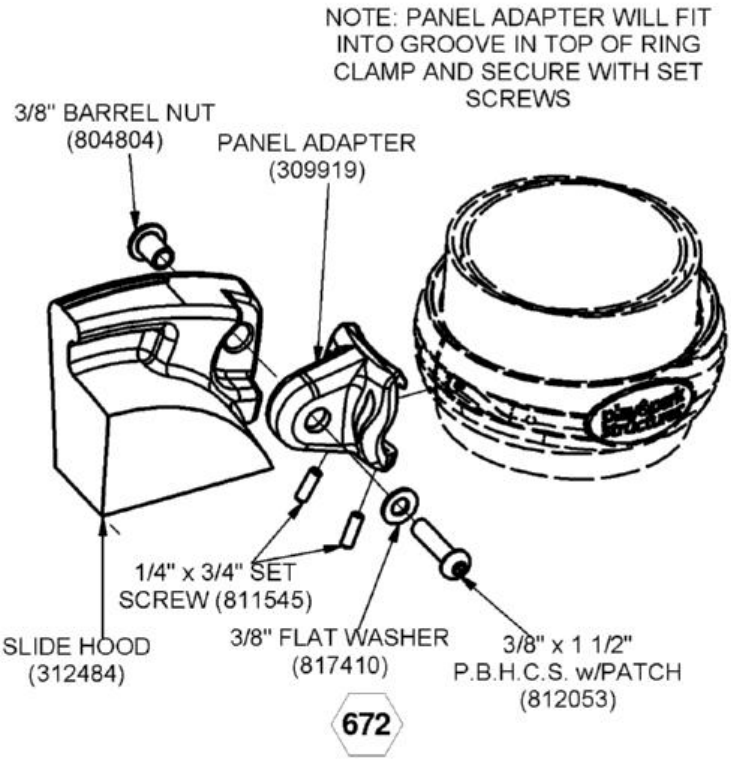


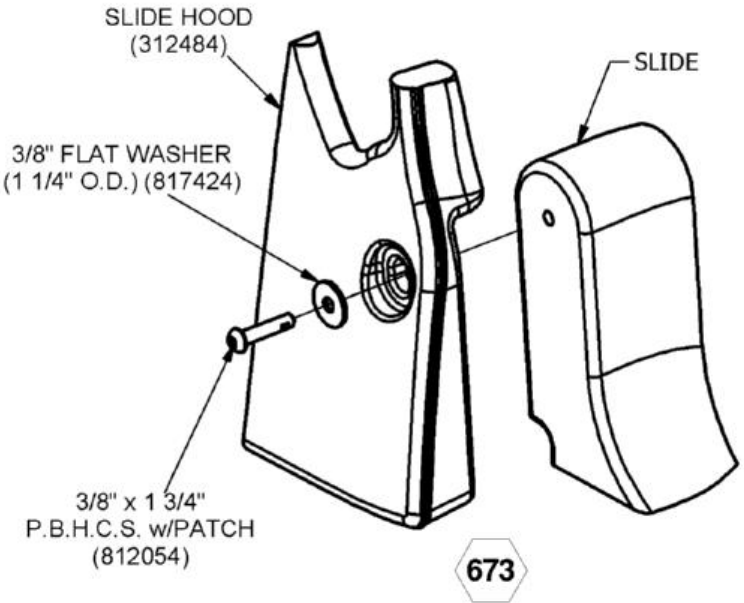

***ELEVATION VIEW***

# 71659 SINGLE VELOCITY WAVE SLIDE (2'-8")



SuperMax Play Systems

# 71680 (2'-8"); 71681 (4'); 71682 (5'-4"); 71683 (6'); 71684 (7'-4") DOUBLE VELOCITY SLIDE

| Parts List | | | | | | |
|---|---|---|---|---|---|---|
| DESCRIPTION | 71680 | 71681 | 71682 | 71683 | 71684 | PART NUMBER |
| 3' DOUBLE VELOCITY SLIDE | 1 | 0 | 0 | 0 | 0 | 176401 |
| 4' DOUBLE VELOCITY SLIDE | 0 | 1 | 0 | 0 | 0 | 176188 |
| 5' DOUBLE VELOCITY SLIDE | 0 | 0 | 1 | 0 | 0 | 176189 |
| 6' DOUBLE VELOCITY SLIDE | 0 | 0 | 0 | 1 | 0 | 176158 |
| 7'-4" DOUBLE VELOCITY SLIDE | 0 | 0 | 0 | 0 | 1 | 176259 |
| FOOTBUCK PLATE | 2 | 2 | 2 | 2 | 2 | 223226 |
| LASER CUT FOOT BUCK PIPE, 34 1/4" | 2 | 0 | 0 | 2 | 0 | 223452 |
| FOOTBUCK PIPE, 32" | 0 | 2 | 0 | 0 | 0 | 223228 |
| FOOTBUCK PIPE 30.595" | 0 | 0 | 2 | 0 | 2 | 224589 |
| PANEL ADAPTER | 2 | 2 | 2 | 2 | 2 | 309919 |
| DOUBLE ENTRANCE SLIDEHOOD | 1 | 1 | 1 | 1 | 1 | 312730 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 0 | 1 | 0 | 317246 |
| ***HARDWARE COMPLETE*** | 0 | 0 | 1 | 0 | 1 | 317247 |
| EXTENSION LEG | 0 | 0 | 2 | 0 | 2 | 152110* |
| 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 | 8 | 8 | 8 | 8 | 8 | 812052* |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 4 | 4 | 4 | 4 | 4 | 812051* |
| 3/8" x 1 1/4" SELF TAPPING TORX w/PATCH | 2 | 2 | 2 | 2 | 2 | HWS0081* |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 812054* |
| 3/8" x 2" P.B.H.C.S. w/PATCH | 2 | 2 | 2 | 2 | 2 | 812055* |
| 3/8" x 2 1/2" HEX HEAD BOLT | 0 | 0 | 2 | 0 | 2 | 801009* |
| 3/8" LOCK WASHER | 8 | 8 | 10 | 8 | 10 | 817334* |
| 3/8" FLAT WASHER | 10 | 10 | 10 | 10 | 10 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 6 | 6 | 6 | 6 | 6 | 817424* |
| 3/8" BARREL NUT | 2 | 2 | 2 | 2 | 2 | 804804* |
| 3/8" HEX NUT | 0 | 0 | 2 | 0 | 2 | 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.***

# 71680 (2'-8"); 71681 (4'); 71682 (5'-4"); 71683 (6'); 71684 (7'-4") DOUBLE VELOCITY SLIDE

***INSTALLATION INSTRUCTIONS:***

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

2. 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 715.

4. Using Detail 1253, attach Footbuck plate to Double Velocity Slide using 3/8" x 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. Attach Footbuck pipe to Footbuck Plate using 3/8" x 1 1/4" Self Tapper Screw.

5. Place Foot Buck into footing holes and attach Double Velocity Slide to Deck as referred in Detail 136, using 3/8" x 1 1/4" P.B.H.C.S. w/Patch and 3/8" Flat Washer (1 1/4" O.D.).

6. Attach Extension to Foot buck pipe using 3/8" HEX NUT, 3/8" Lock washer and Bolt Chart using Detail 064.

7. 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.

8. Attach Double Velocity Slide to Double Entrance 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.

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

10. 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.

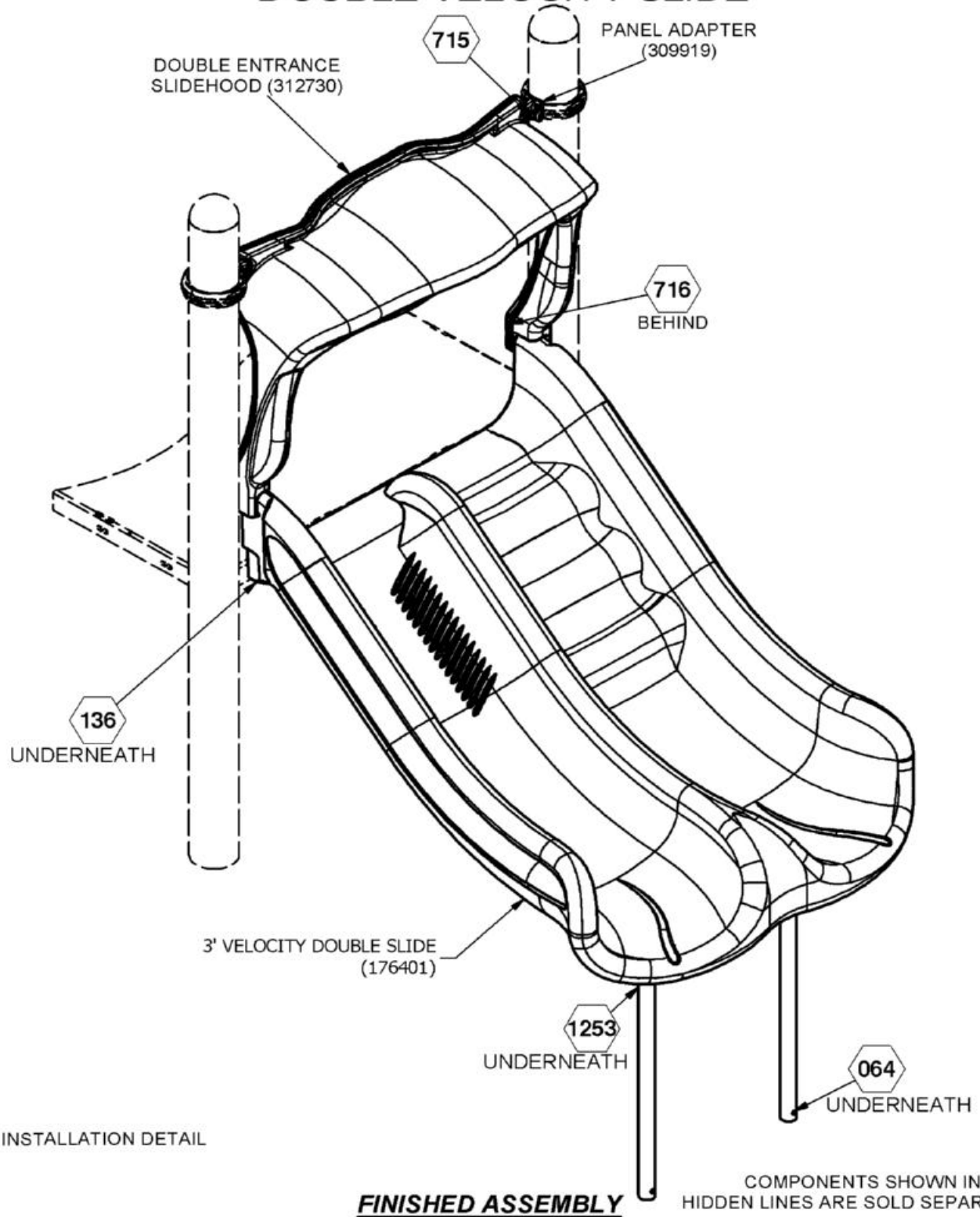
**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

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.

# 71680 (2'-8"); 71681 (4'); 71682 (5'-4"); 71683 (6'); 71684 (7'-4")
# DOUBLE VELOCITY SLIDE

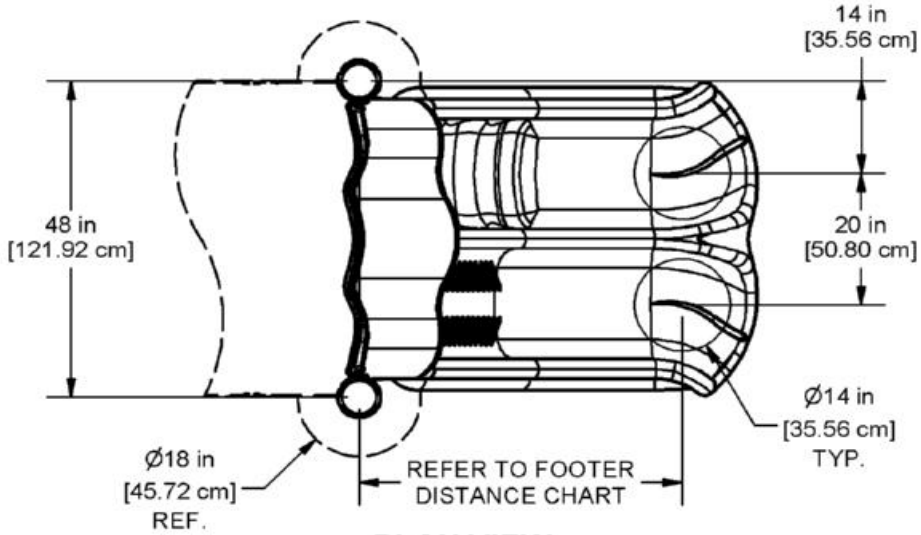



⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***
71680 SHOWN
OTHERS SIMILAR

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# 71680 (2'-8"); 71681 (4'); 71682 (5'-4"); 71683 (6'); 71684 (7'-4")
# DOUBLE VELOCITY SLIDE



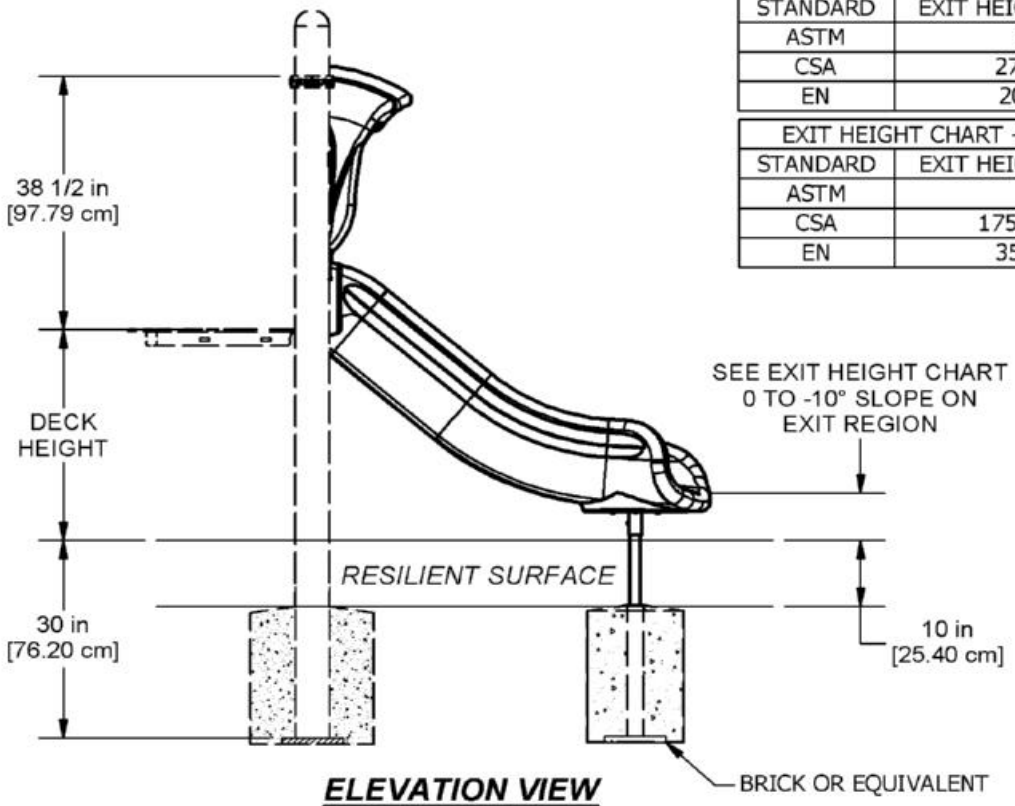

***PLAN VIEW***

| FOOTER DISTANCE | |
|---|---|
| SLIDE | DISTANCE |
| 71680 (2'-8") | 47 1/8 in |
| 71681 (4') | 64 1/8 in |
| 71682 (5'-4") | 81 1/8 in |
| 71683 (6') | 99 3/8 in |
| 71684 (7'-4") | 118 3/4 in |

**CONCRETE REQUIRED**
0.132 CUBIC YARDS
0.100 [CUBIC METERS]

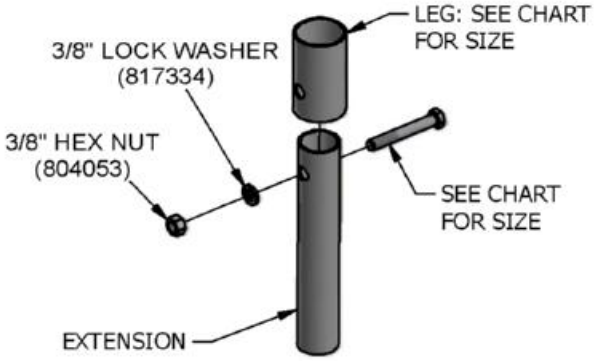
| EXIT HEIGHT CHART -for- 71680 and 71681 | |
|---|---|
| STANDARD | EXIT HEIGHT from SURFACING |
| ASTM | 11" OR LESS |
| CSA | 275mm OR LESS |
| EN | 200mm OR LESS |

| EXIT HEIGHT CHART -for- 71682 to 71684 | |
|---|---|
| STANDARD | EXIT HEIGHT from SURFACING |
| ASTM | 7" TO 15" |
| CSA | 175mm TO 380mm |
| EN | 350mm OR LESS |



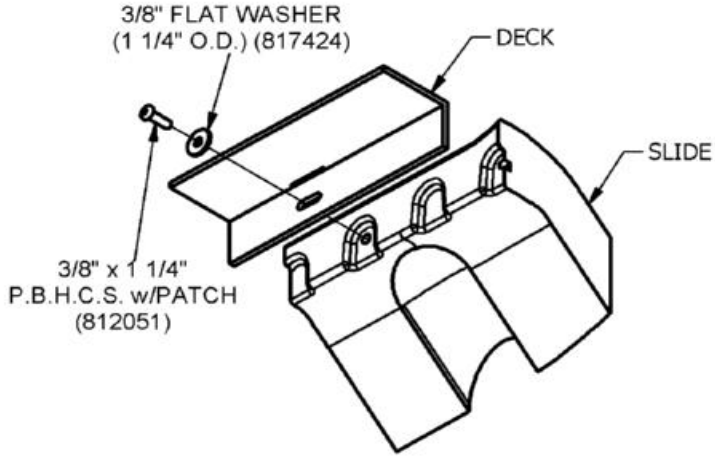

***ELEVATION VIEW***
71680 SHOWN

# 71680 (2'-8"); 71681 (4'); 71682 (5'-4"); 71683 (6'); 71684 (7'-4") DOUBLE VELOCITY SLIDE

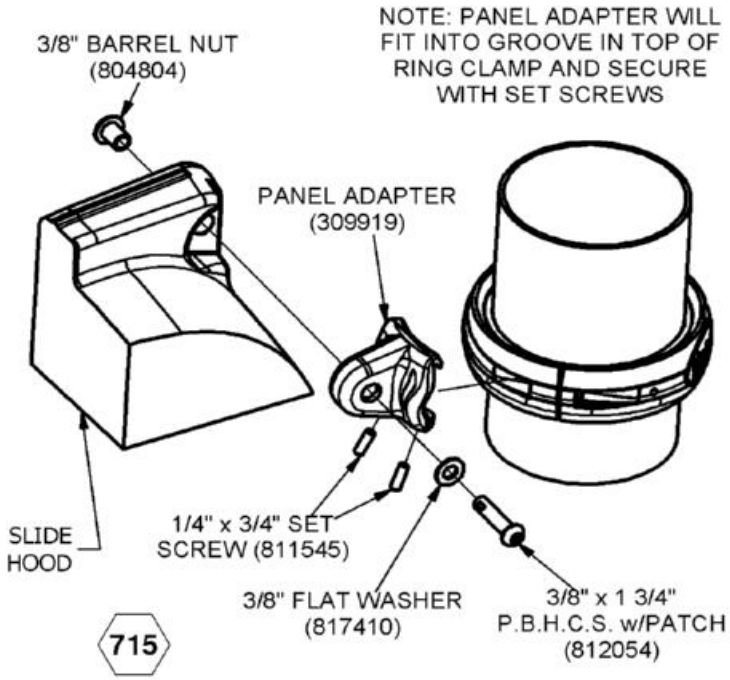



| LEG (PIPE DIA.) | BOLT REQUIRED |
|---|---|
| 1 5/16" [3.3 cm] | 3/8" x 2" HEX HEAD (801007) |
| 1 5/8" [4.1 cm] | 3/8" x 2 1/2" HEX HEAD (801009) |
| 1 7/8" [6.0 cm] | 3/8" x 3" HEX HEAD (801011) |
| 2 3/8" [6.0 cm] | 3/8" x 3 1/2" HEX HEAD (801013) |

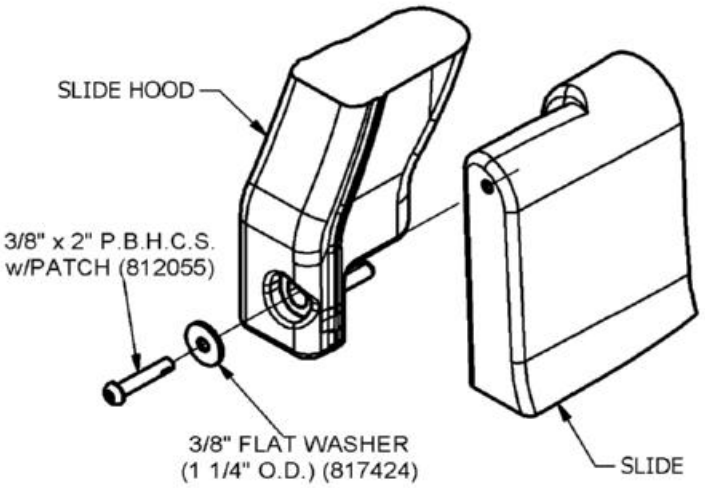
064




136

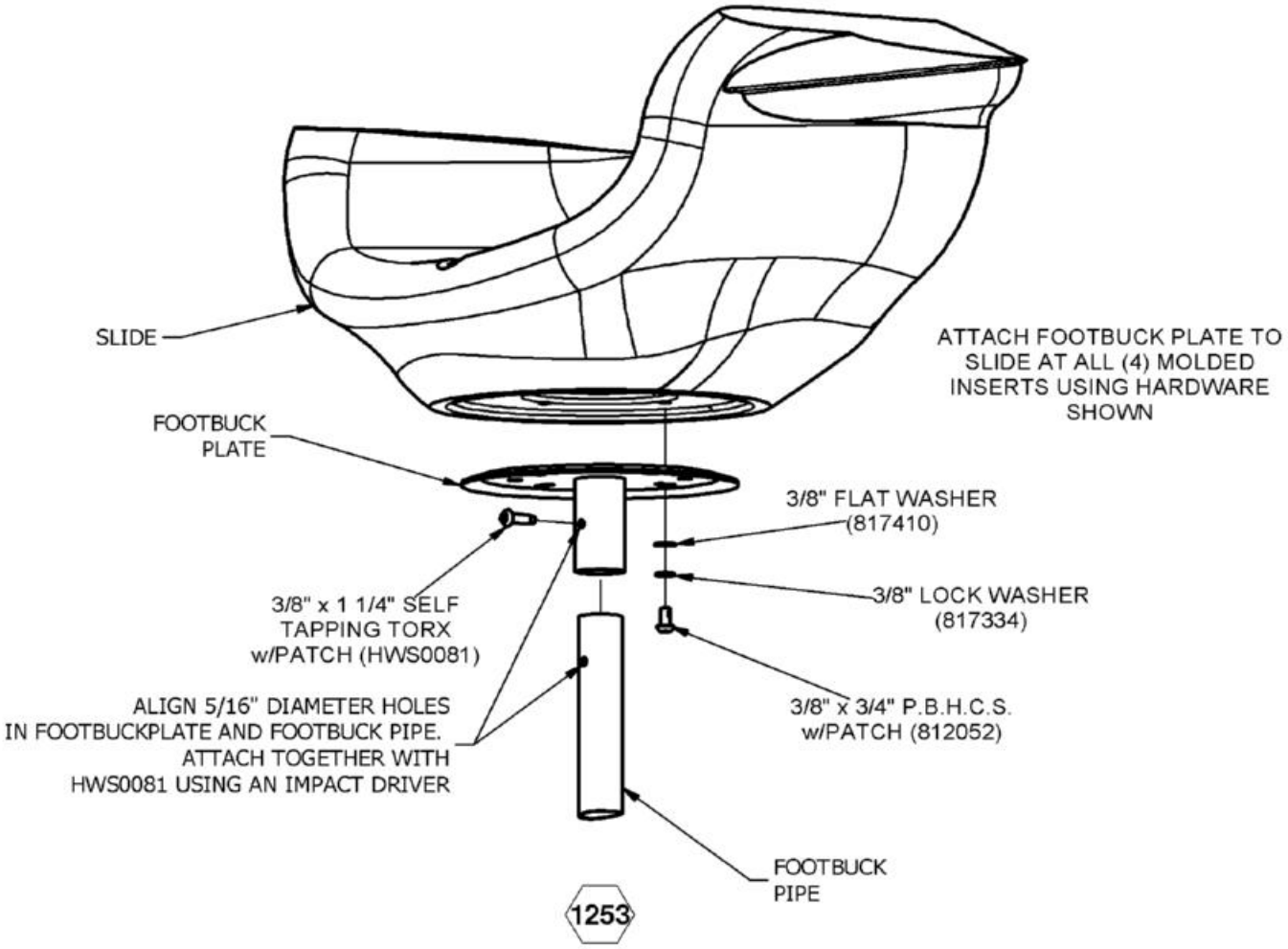



715




716

# 71680 (2'-8"); 71681 (4'); 71682 (5'-4"); 71683 (6'); 71684 (7'-4")
# DOUBLE VELOCITY SLIDE



SuperMax Play Systems

# 71755 MOON PHASE PANEL

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| SUPPORT PIPE | 2 | 307586 |
| PANEL ADAPTER | 2 | 309919 |
| GEAR HANDLE | 1 | 311800 |
| FRONT MOON PHASE PANEL | 1 | 312675 |
| BACK MOON PHASE PANEL | 1 | 312676 |
| MOON PIECE | 1 | 312678 |
| MOON PHASE COVER | 1 | 313572 |
| SM ACTIVITY PANEL | 1 | 313586 |
| ***HARDWARE COMPLETE*** | 1 | 302942 |
| 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" P.B.H.C.S. w/PATCH | 2 | 812055* |
| 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 2 | 812056* |
| 3/8" x 2 3/4" P.B.H.C.S. w/PATCH | 8 | 812058* |
| 3/4" LG. SPACER | 2 | 312680* |
| 3/8" FLAT WASHER | 24 | 817410* |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 6 | 817424* |
| 3/8" LOCK NUT | 4 | 804353* |
| 3/8" BARREL NUT | 2 | 804804* |
| 3/8" ACORN NUT | 8 | 804002* |

*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.***

# 71755 MOON PHASE PANEL

## INSTALLATION INSTRUCTIONS:

***IMPORTANT:*** You must attach the Gear Handle, Moon Phase Cover, Front Moon Phase Panel and Moon Piece at the same time.

1. Attach Gear Handle, Moon Phase Cover, and Front Moon Phase Panel to Moon Piece using 3/8" x 2" P.B.H.C.S. w/Patch, 3/8" Flat Washers, 3/4" Lg. Spacer, and 3/8" Lock Nut. See Detail 692.

2. Attach Moon Phase Cover, Front Moon Phase Panel, and Back Moon Phase Panel to SM Activity Panel using 3/8" x 2 1/2" P.B.H.C.S w/Patch, 3/8" Flat Washers, and 3/8" Acorn Nut.. See Detail 693.

3. Attach Panel Adapter to SM 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. Plumb and level the entire assembly and tighten all fasteners.

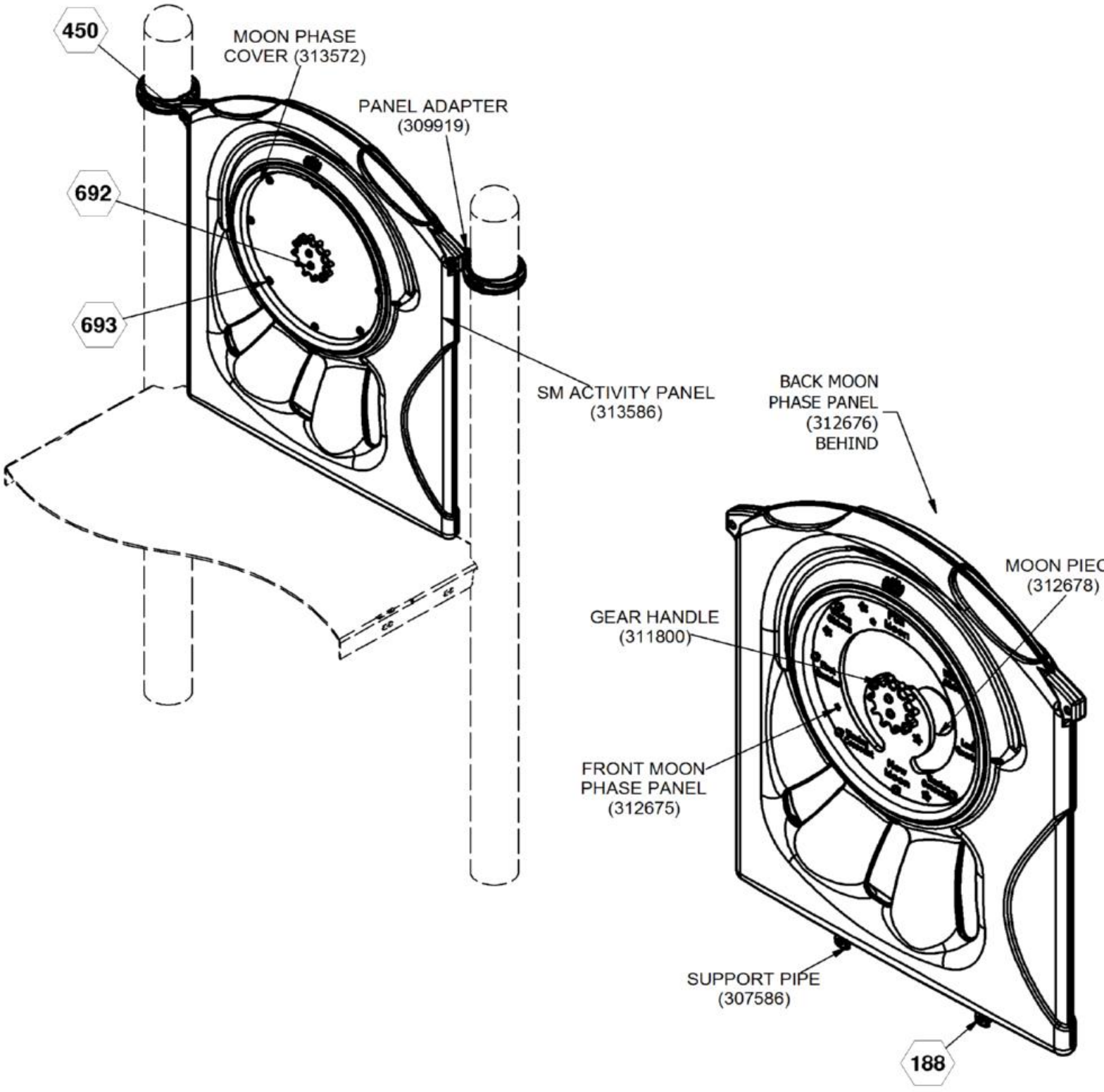
6. After entire unit is assembled pour concrete footings within 4' to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use.

7. When structure is finished and satisfactory, tighten all fasteners and install Drive Rivets in all clamps to ensure clamps cannot slide do 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 edge (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structure in accordanc 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.

# 71755 MOON PHASE PANEL

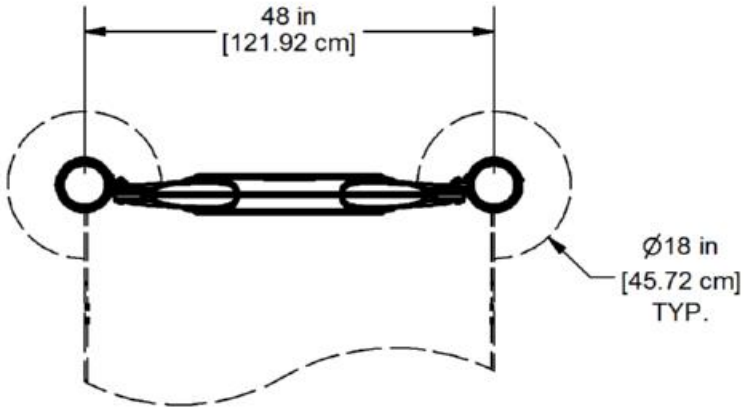



= INSTALLATION DETAIL

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

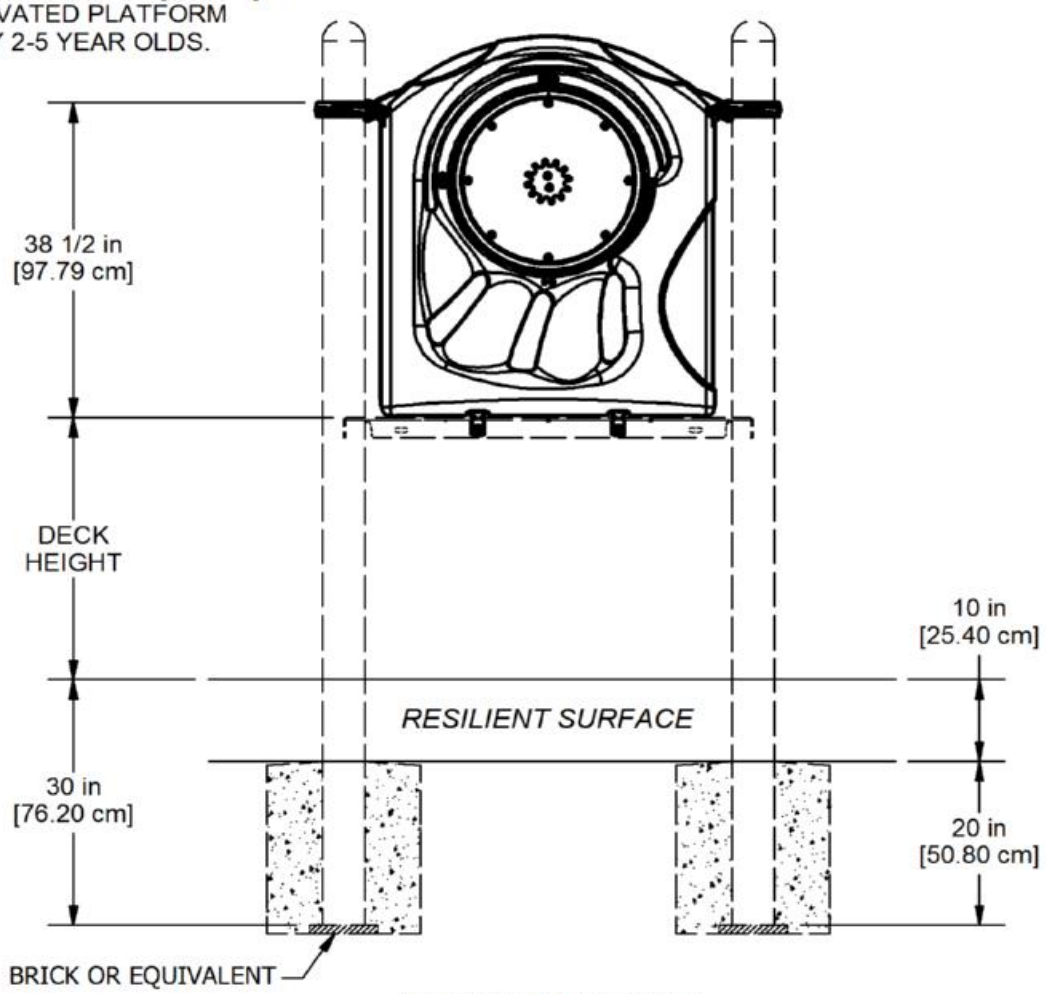
# 71755 MOON PHASE PANEL




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.

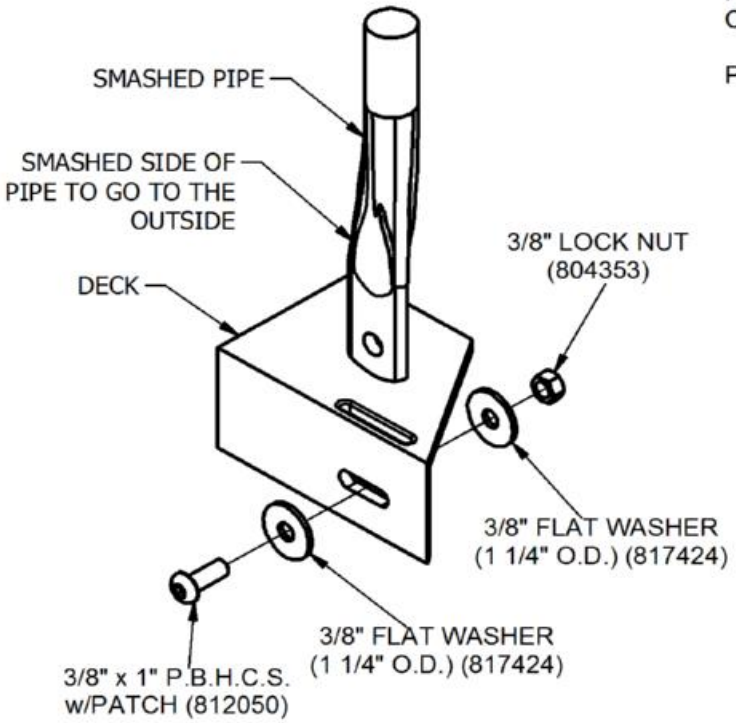



***ELEVATION VIEW***

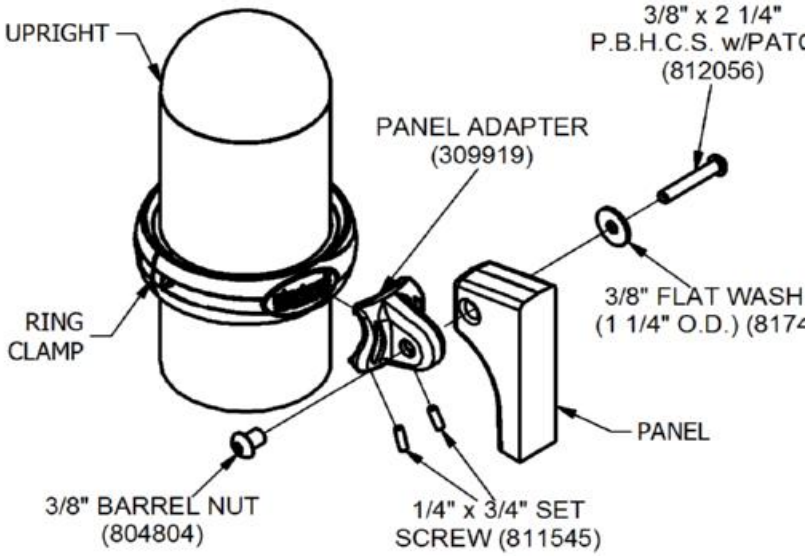
# 71755 MOON PHASE PANEL

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

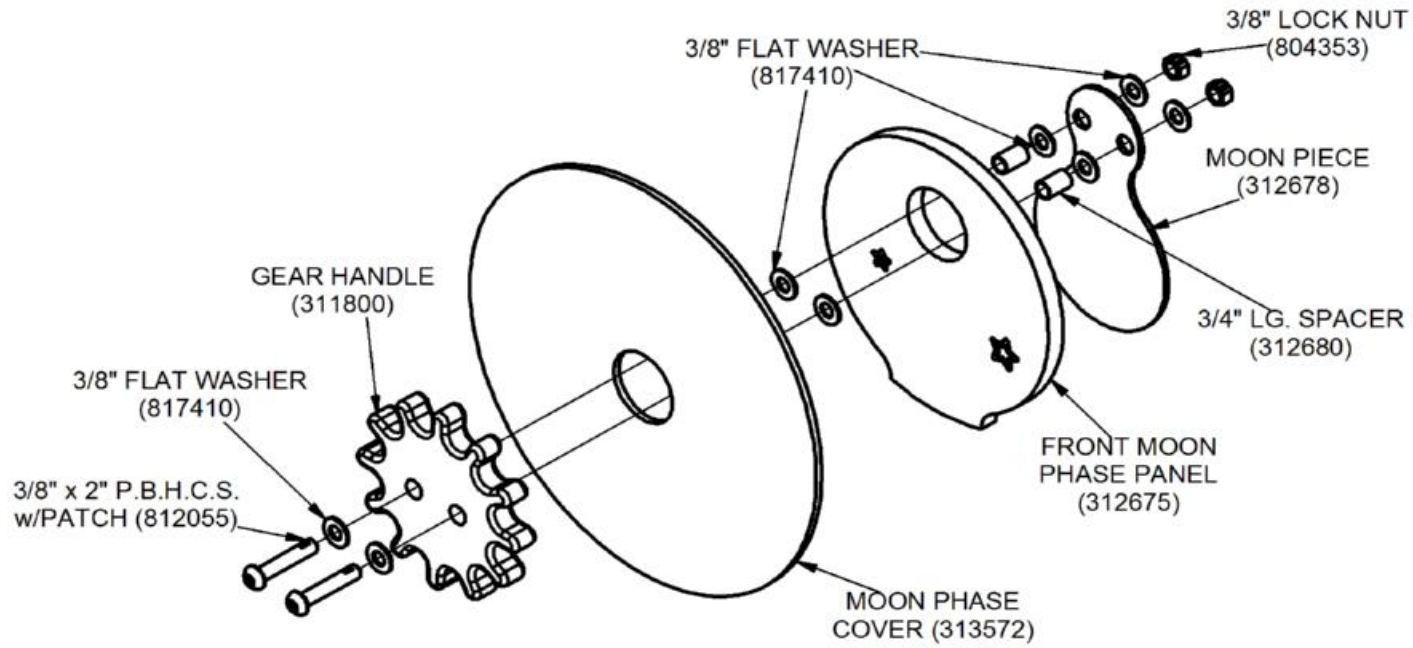
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.




188

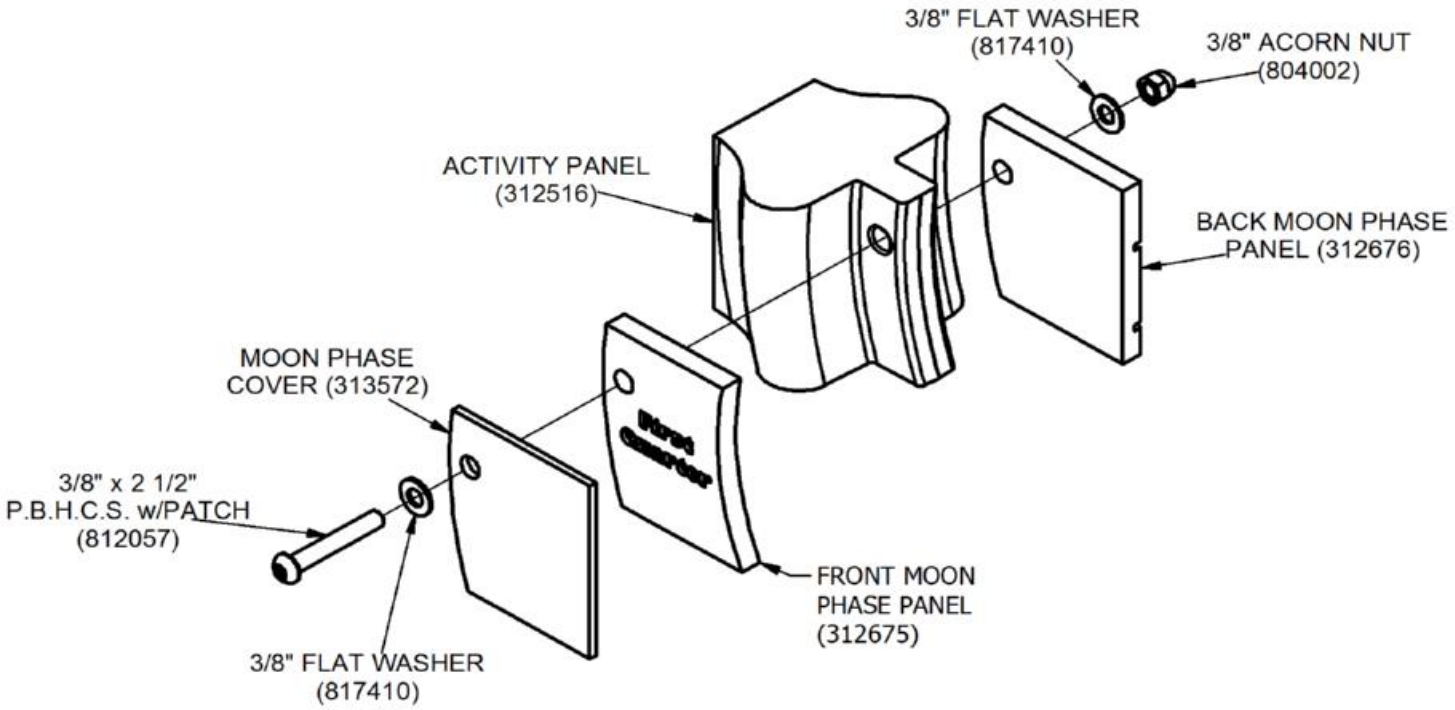



450




692

# 71755 MOON PHASE PANEL




693

# 71775 EQUILATERAL FABRIC SHADE

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| INGROUND EXTENSION | 3 | 314972 |
| ALUMINUM END CAP | 3 | 212993 |
| EQUILATERAL SHORT EXTENSION ASSEMBLY | 1 | 314017 |
| EQUILATERAL LONG EXTENSION ASSEMBLY | 2 | 314020 |
| **EQUILATERAL FABRIC PACKAGE** | 1 | 314023 |
| FABRIC | 1 | |
| **EQUILATERAL FABRIC SHADE KIT** | 1 | 314622 |
| 1/8" x 26' CABLE | 1 | |
| CABLE CLAMP | 4 | |
| ***HARDWARE COMPLETE*** | 1 | 314025 |
| D SHACKLE w/NO-SNAG PIN | 3 | 161853 |
| O-RING | 3 | 169362 |
| 3/16" x 13/32" DRIVE RIVET | 6 | 805366 |
| 5/16" STAINLESS STEEL QUICK LINK | 3 | H501 |
| 3/8" PLASTIC SPACER | 6 | 817613 |
| 1/2" x 5 1/2" HEX HEAD BOLT | 3 | 801221 |
| 1/2" x 5 1/2" B.H.C.S. | 6 | 811071 |
| 1/2" LOCKWASHER | 9 | 817342 |
| 1/2" HEX NUT | 6 | 804055 |
| 1/2" LOCKNUT | 3 | 804355 |
| 1/2" ANCHOR ROD | 6 | 135038 |

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

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

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

## STORAGE:

When Shade Unit equipment is received at the job site it should be installed as soon as possible (within a few days). We package the equipment components to keep them safe and damage-free during shipment. However, the packaging material is not suited for periods of extended storage in an uncontrolled environments. The combination of moisture in the air mixed with heat generated inside the plastic shrink-wrap may cause damage to the finish of powdercoated frame members.

If an immediate installation is not possible, certain steps should be taken to minimize the risk of damage to the components. If Shade components must be stored, ideally they should be kept in a controlled warehouse or storage container environment away from heat and moisture. If this is not possible, the packaging material should be removed. Care is recommended when using cutting blades to remove packaging. Keep blades away from powdercoated surfaces to avoid damage to finish.

## INSTALLATION INSTRUCTIONS:

1. Locate which deck is to receive Isosceles Fabric Shade according to Plan View.

# 71775 EQUILATERAL FABRIC SHADE

2. Using the Inground Extensions as template, drill Bottom of Uprights and attach using 1/2" x 5 1/2" Hex Head Bolt, 1/2" Lock Nut, and 1/2" Lock Washer as shown in Detail 372. Place 1/2" Anchor Rods in Inground Extensions as shown in Detail 371.

3. Dig and prepare Ground Holes, and pour concrete per Detail 981. Installation of the shade must be done after the concrete has cured approximately 48 hours.

4. Attach Aluminum End Cap to Isosceles Short and Long Extension Ass'y using 3/16" x 13/32" Drive Rivet. See Detail 597.

5. Attach Equilateral Short Extension Assembly and Equilateral Long Extension Assembly to appropriate uprights using O-Ring, 1/2" x 5 1/2" B.H.C.S., 1/2" Lock Washer, and 1/2" Hex Nut. See Detail 865. **NOTE:** *Refer to Finished Assembly and Plan View for correct orientation.* **IMPORTANT:** *Make sure shade extensions are properly aligned. Standing with enough distance from the corners of the deck, look at the center point of deck. Align each upright extension so that each line up with the center point of each deck side.* **NOTE:** *Use something tall and straight at the center point of deck to help you align the extensions. Refer to the Plan View for orientation.*

6. Unroll fabric sail on smooth flat surface with the hem side down. Starting at one corner, insert the steel cable end into hem that runs along fabric edge. Feed the cable through the length of the hem until approximately 24" is left at the starting corner. Re-insert the cable end into the adjacent hem at the second corner. Feed cable through entire length of second fabric edge until only a small corner the size of the D-Ring remains at the second corner. Insert the cable end into the adjacent hem at the 3rd corner and feed through the entire length of the remaining edge. Leave a loop at the 3rd corner. **NOTE:** *The opening that is used to start feeding cable thru should be used as pulling point for tensioning which shall be at the highest extension connection.* **NOTE:** *Cable for this step is in the Equilateral Fabric Shade Kit.*

7. Lift fabric sail into position between the column layout with a corner next to each column. **NOTE:** *Be sure not to drag fabric across the ground which could result in a hole or tear.* Remove the threaded pin from the shackle and loop it around both the D-Ring and cable at one of the corners. Lift the corner into position centering the shackle pin holes over the column bracket hole. Re-insert and tighten the shackle pin securing it to column bracket. Repeat this procedure at all of the corners until the fabric is completely suspended by the shackles.

8. Locate the corner with the dangling cable ends. Insert each cable end through the shackle from opposite sides crossing them over each other. Attach a cable clamp over both cables close to one of the hem openings. Pull on the remaining cable end removing all slack within fabric edges. Place a second cable clamp over both cables close to the corresponding fabric hem opening. Tuck remaing cable ends back into respective hems. **NOTE:** *Cable Clamps for this step is in the Equilateral Fabric Shade Kit.*

9. Attach D Shackle w/No-Snag Pin to Equilateral Short Extension Assembly and Equilateral Long Extension Assembly. Then attach fabric to D Shackle w/No-Snag Pin using 5/16" Quick Link. See Detail 867.

10. Once Cable is attached to all three 5/16" Chain Quick Link, adjust Fabric so that there is an equal amount of distance from the Fabric to the Shackle at each point. Pull excess cable taut so that there is little slack in the Fabric and connect to existing cable using Cable Clamps. See Detail 866. **NOTE:** *Tuck remaining cable ends back into respective hems.*

11. 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.**

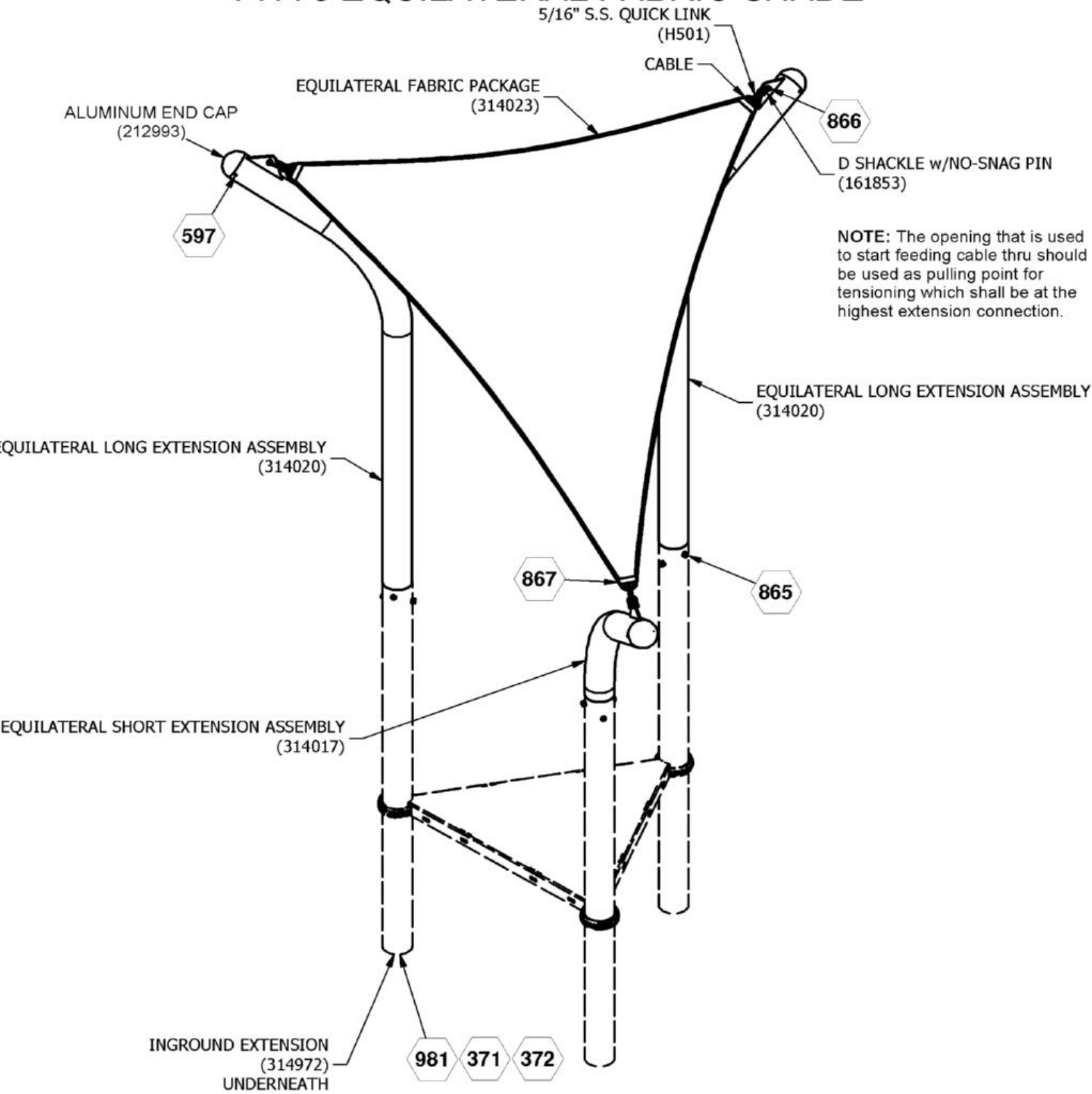
12. When structure is finished and satisfactory, eliminate sharp points and edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

13. Sail Removal: *In the event of severe weather, fabric removal is highly recommended.* Remove the shackle pin at each corner attachment locations. Roll fabric up neatly. Store in a warm dry area off of ground until ready to re-install.

## ***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.

# 71775 EQUILATERAL FABRIC SHADE




⬡ = INSTALLATION DETAIL

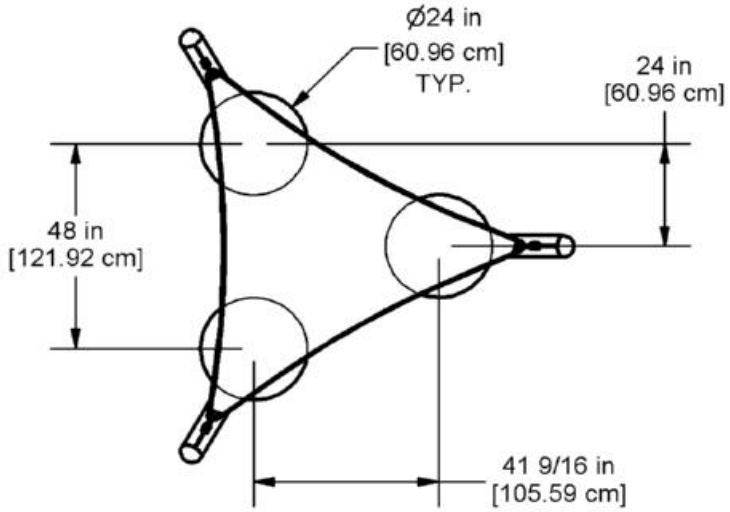
***FINISHED ASSEMBLY***

UNDERNEATH

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

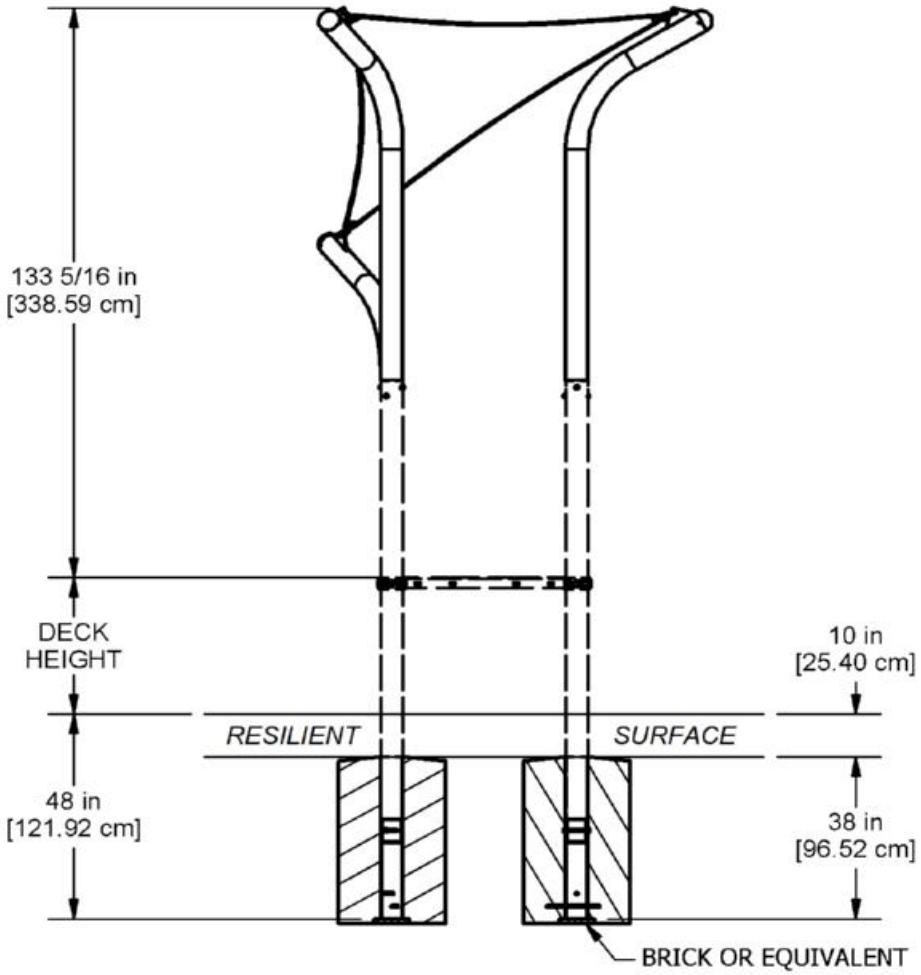
Issued/Revised: 7/22/2020

# 71775 EQUILATERAL FABRIC SHADE




***PLAN VIEW***

**CONCRETE REQUIRED**
1.40 CUBIC YARDS
1.07 [CUBIC METERS]




***ELEVATION VIEW***

# 71775 EQUILATERAL 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:**

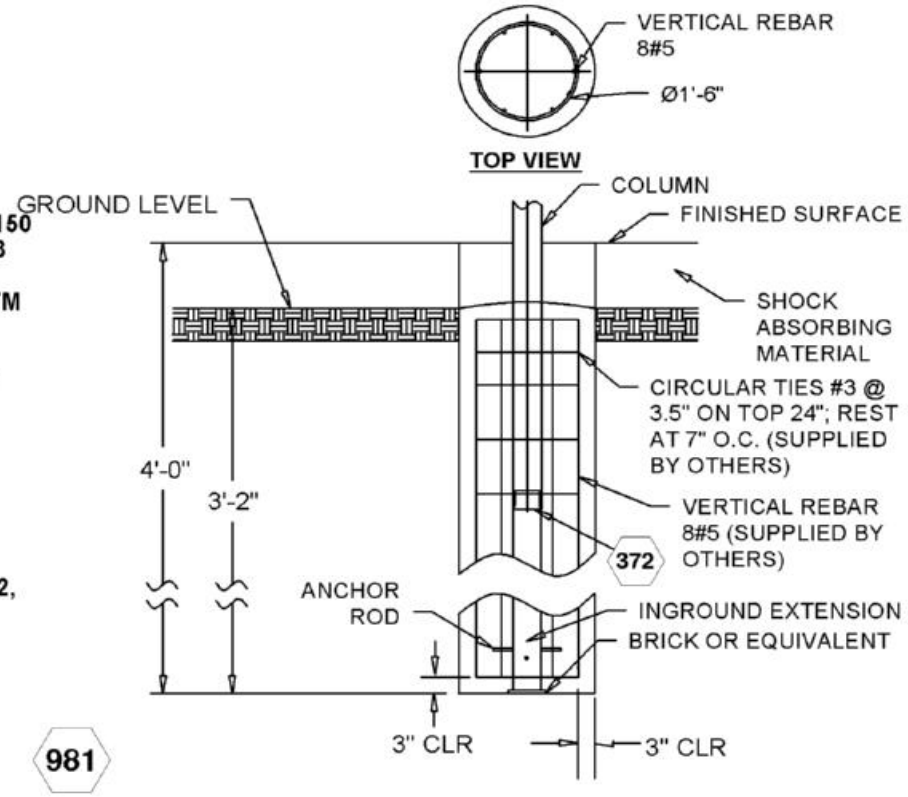
**-28 DAY STRENGTH: 3000PSI**

**-PORTLAND CEMENT SHALL CONFORM TO C-150**
**-AGGREGATE SHALL CONFORM TO ASTM C-33**

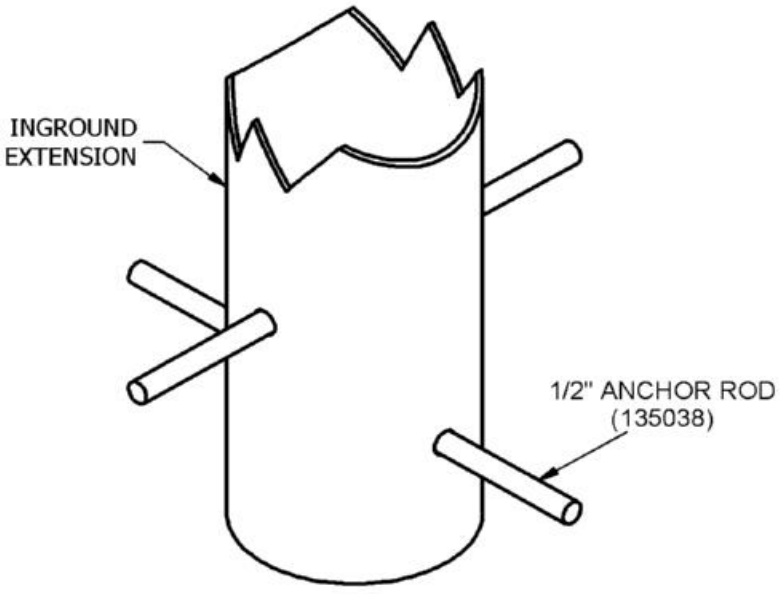
**2. ALL REINFORCEMENT SHALL CONFORM TO ASTM A-615 GRADE 60**
**REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL AND CRSI MANUAL OF STANDARD PRACTICE.**

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

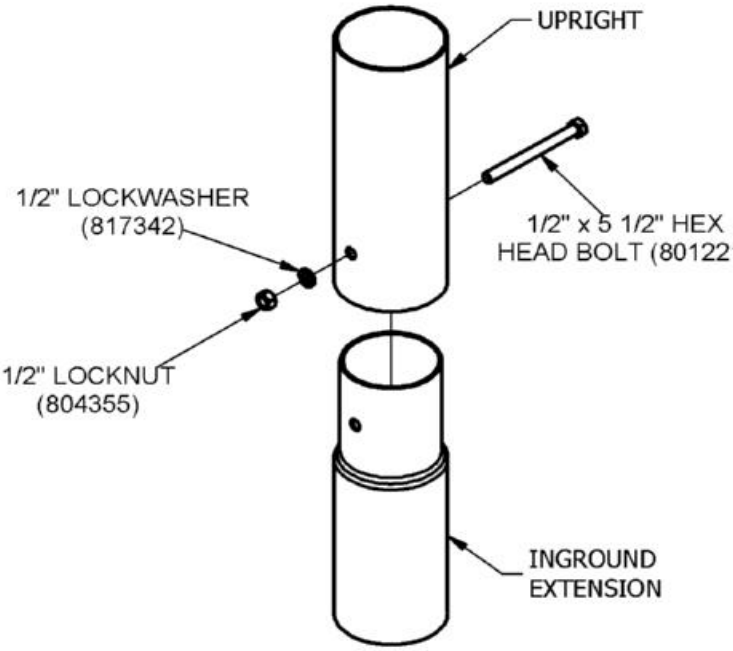
**4. SOIL PARAMETERS FOR ANALYSIS TABLE 1804.2, CLASS : 4**
**1806.2**




981

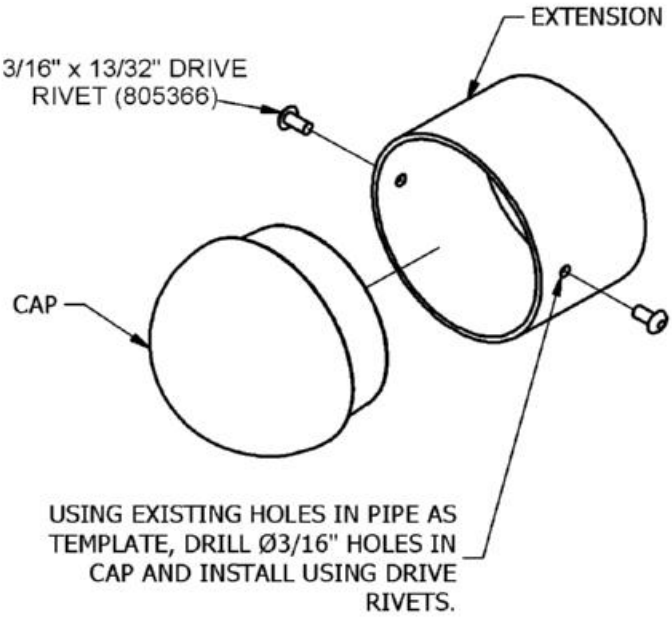



371

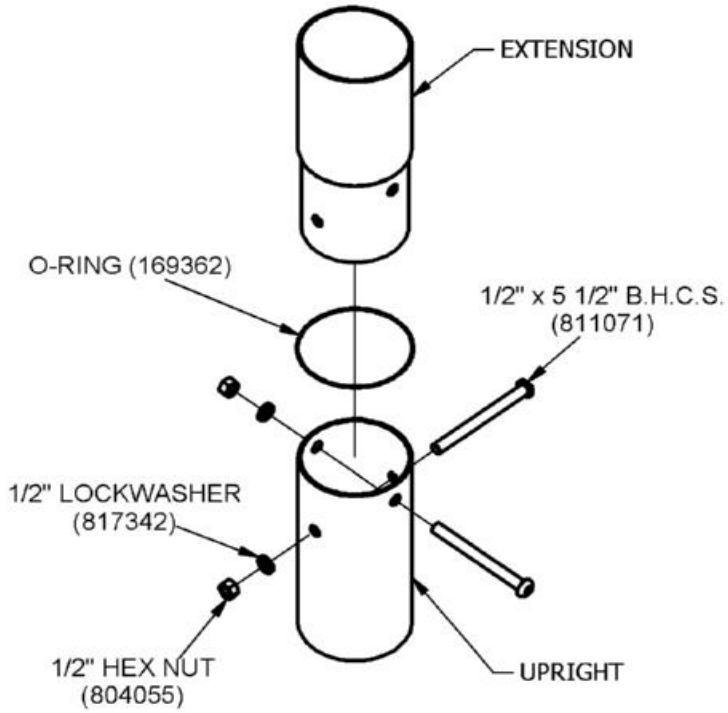



372

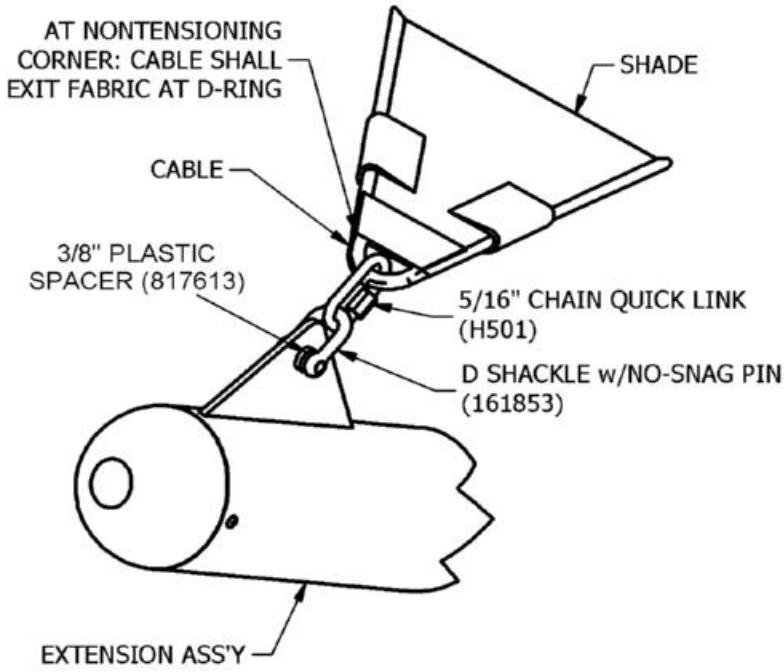
# 71775 EQUILATERAL FABRIC SHADE




597

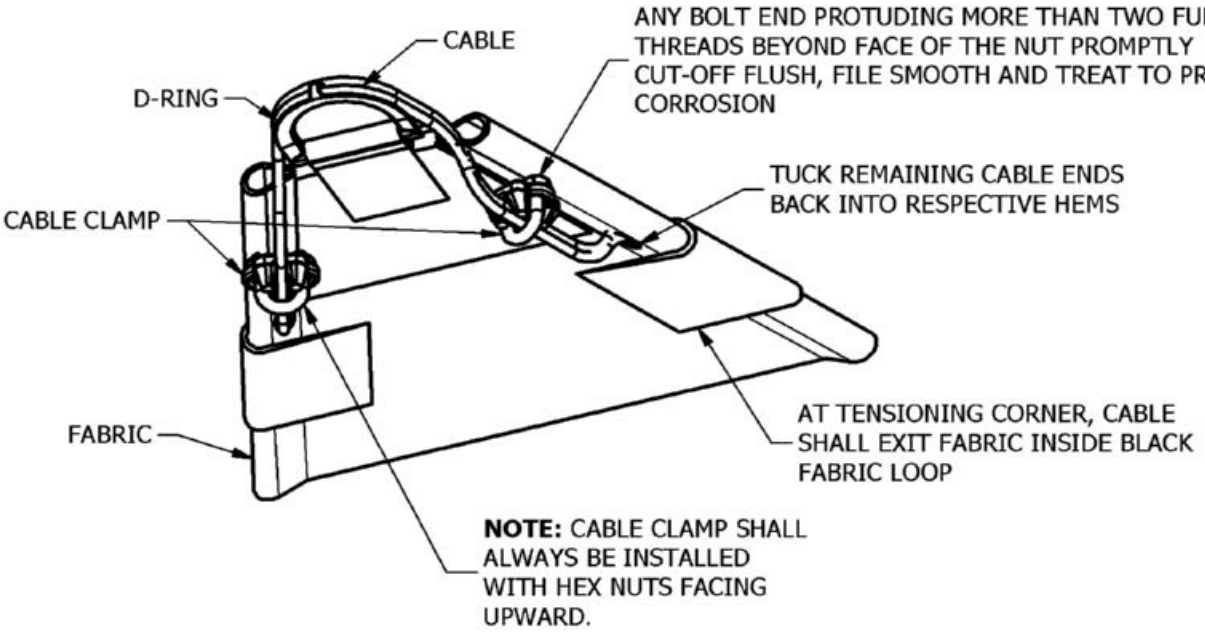



865




867

# 71775 EQUILATERAL FABRIC SHADE




866

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:

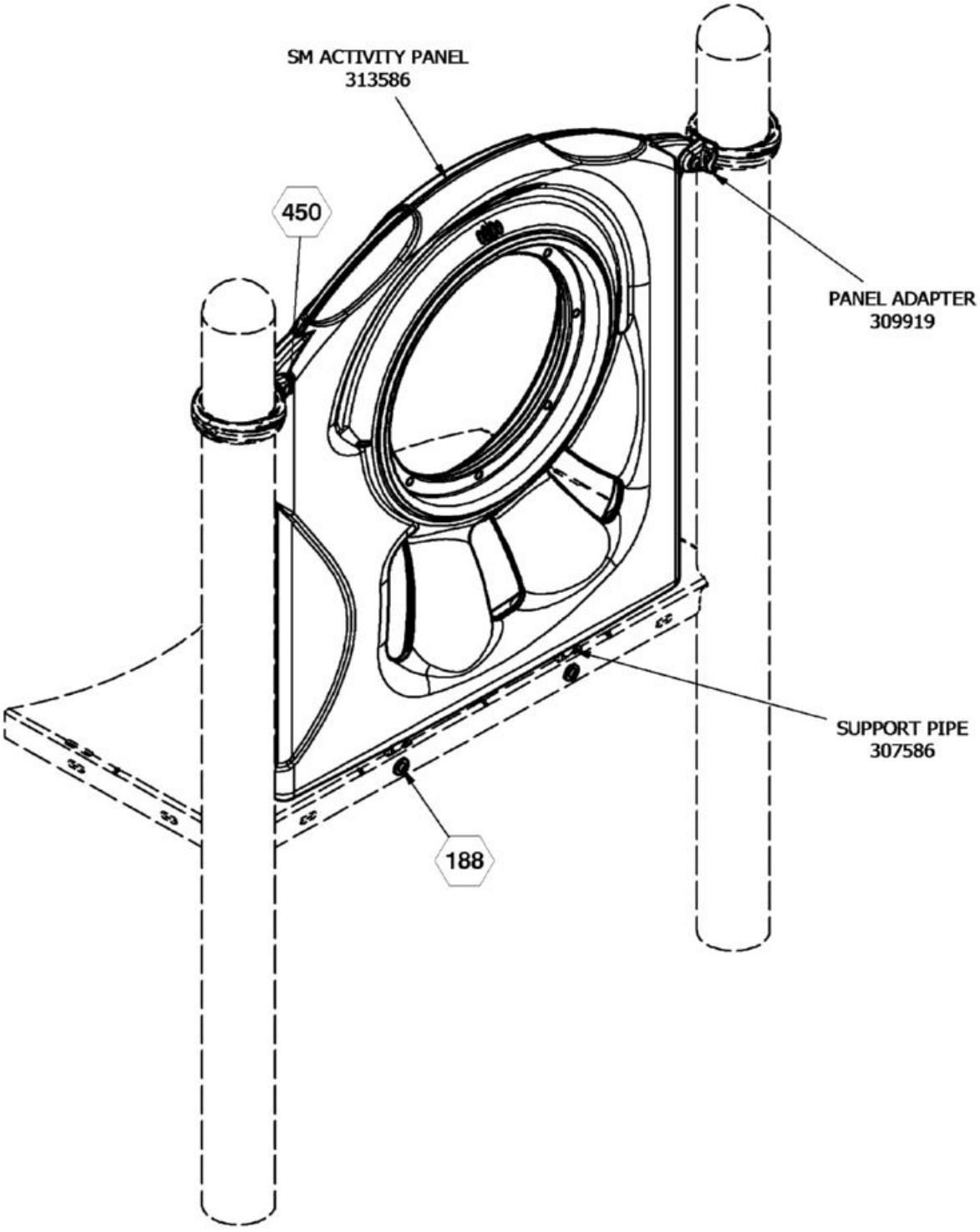
1. Determine which deck is to receive the Interactive Sensor Panel. Refer to Order Top View.
2. Attach the Support Pipes to the deck. See Detail 188.
3. Attach the Panel Adapters to the Ring Clamps. See Detail 450.
4. Slide the Activity Panel onto the Support Pipes and connect it to the Panel Clamps. 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



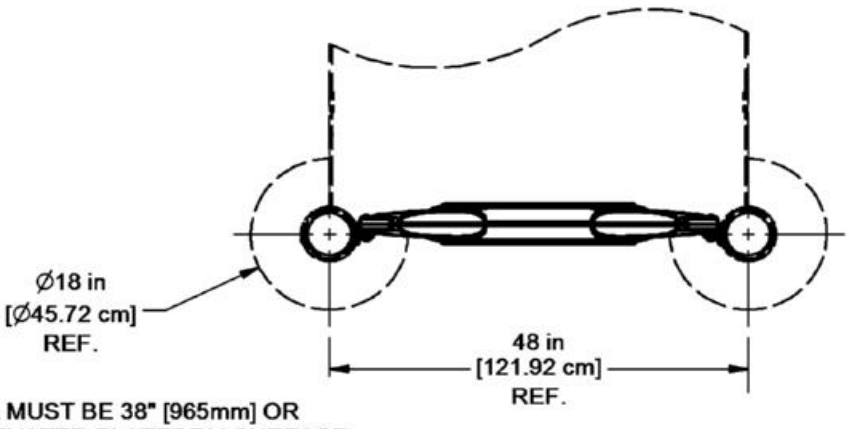

= INSTALLATION DETAIL

Issued/Revised: 12/14/2022

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

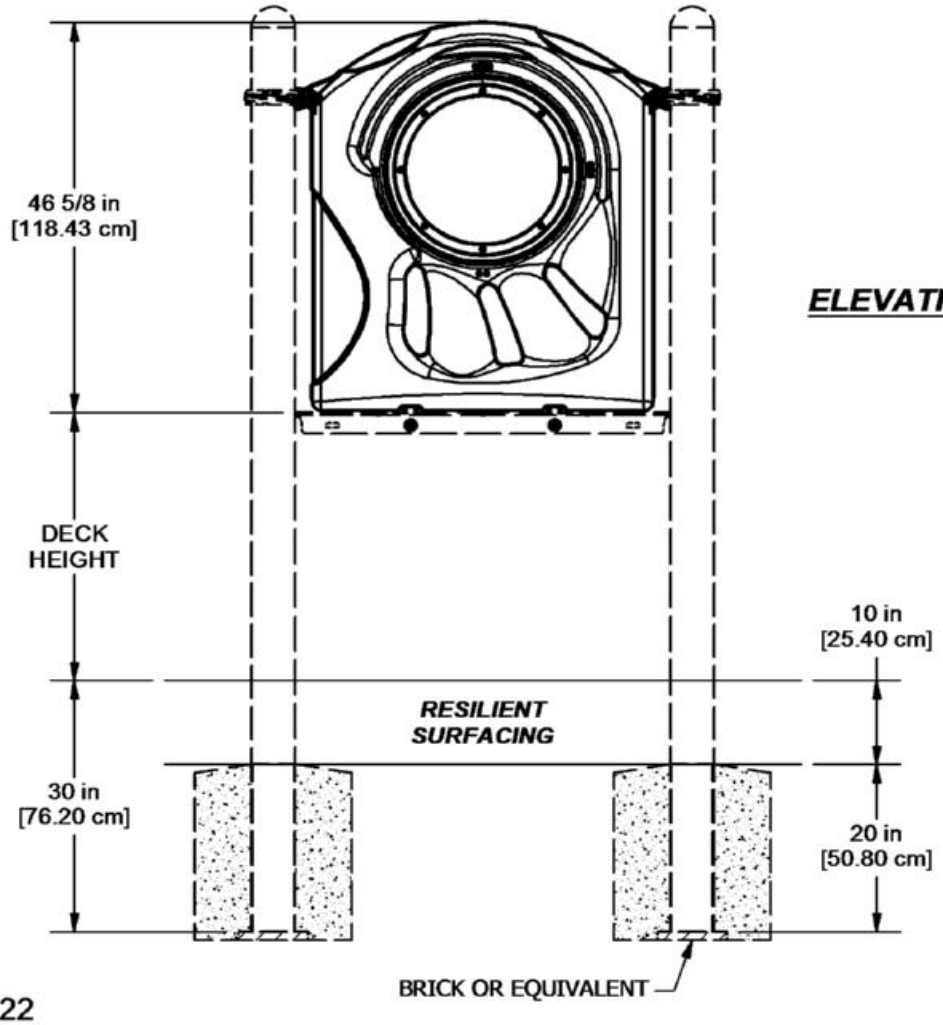
# 72066 INTERACTIVE SENSOR PANEL




***PLAN VIEW***

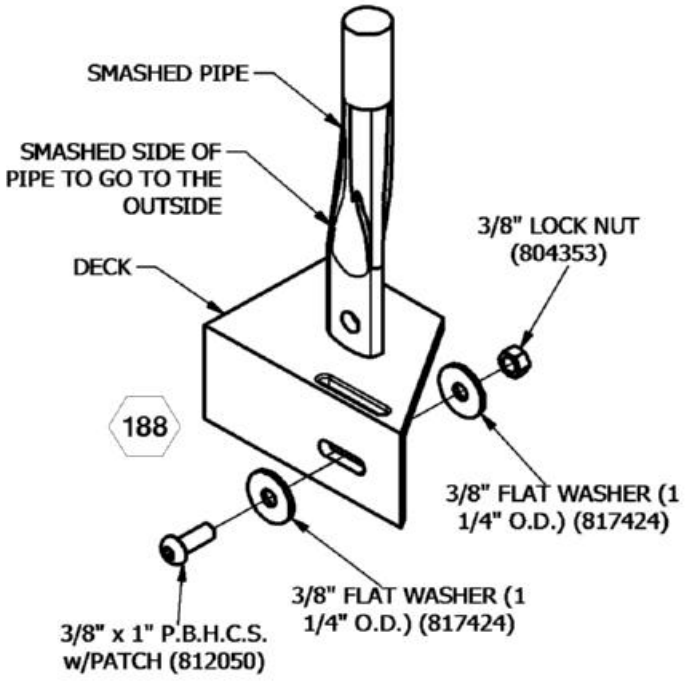
NOTE:
TOP EDGE OF PANEL MUST BE 38" [965mm] OR GREATER ABOVE ELEVATED PLATFORM SURFACE FOR USE BY 5-12 YEAR OLDS.

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



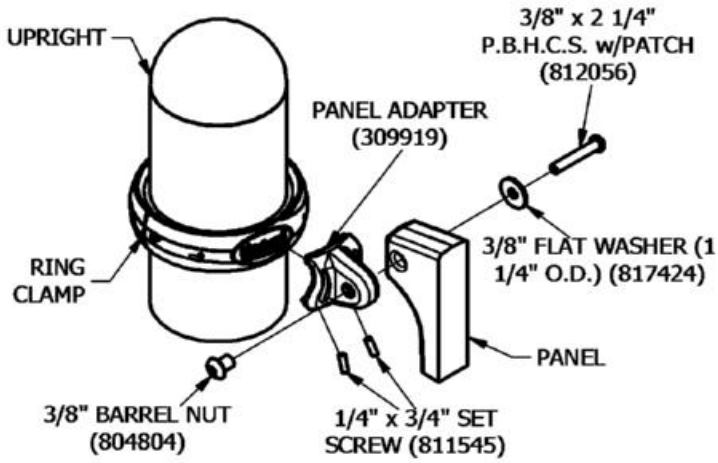

***ELEVATION VIEW***

# 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.

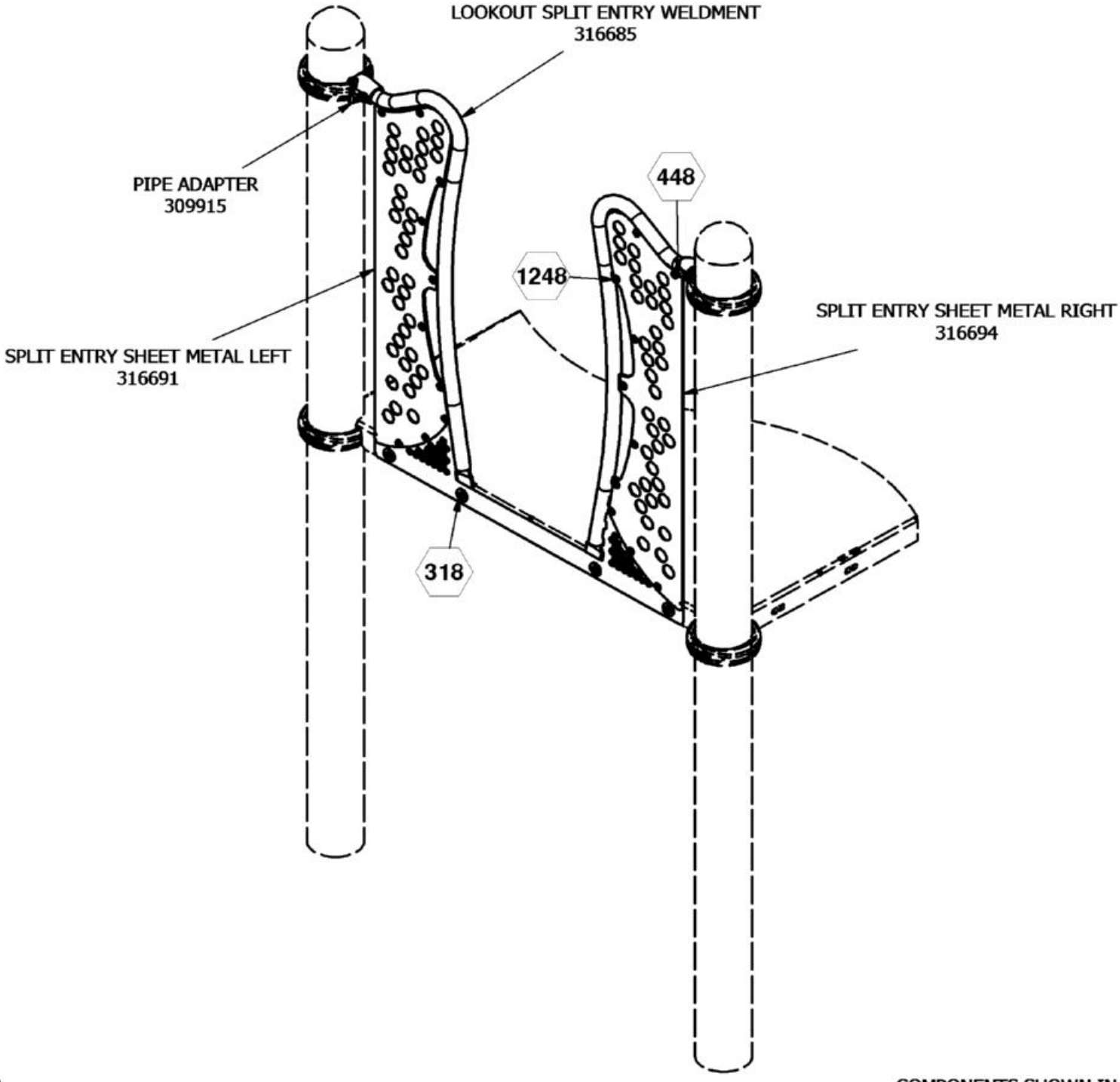
**IMPORTANT! Avoid creating any gaps between the components which fall between 3 1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

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.



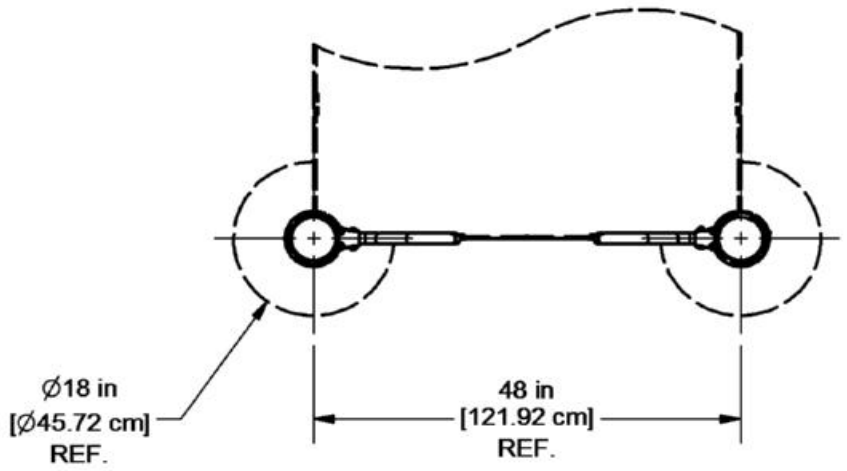

⬡ = INSTALLATION DETAIL

**FINISHED ASSEMBLY**

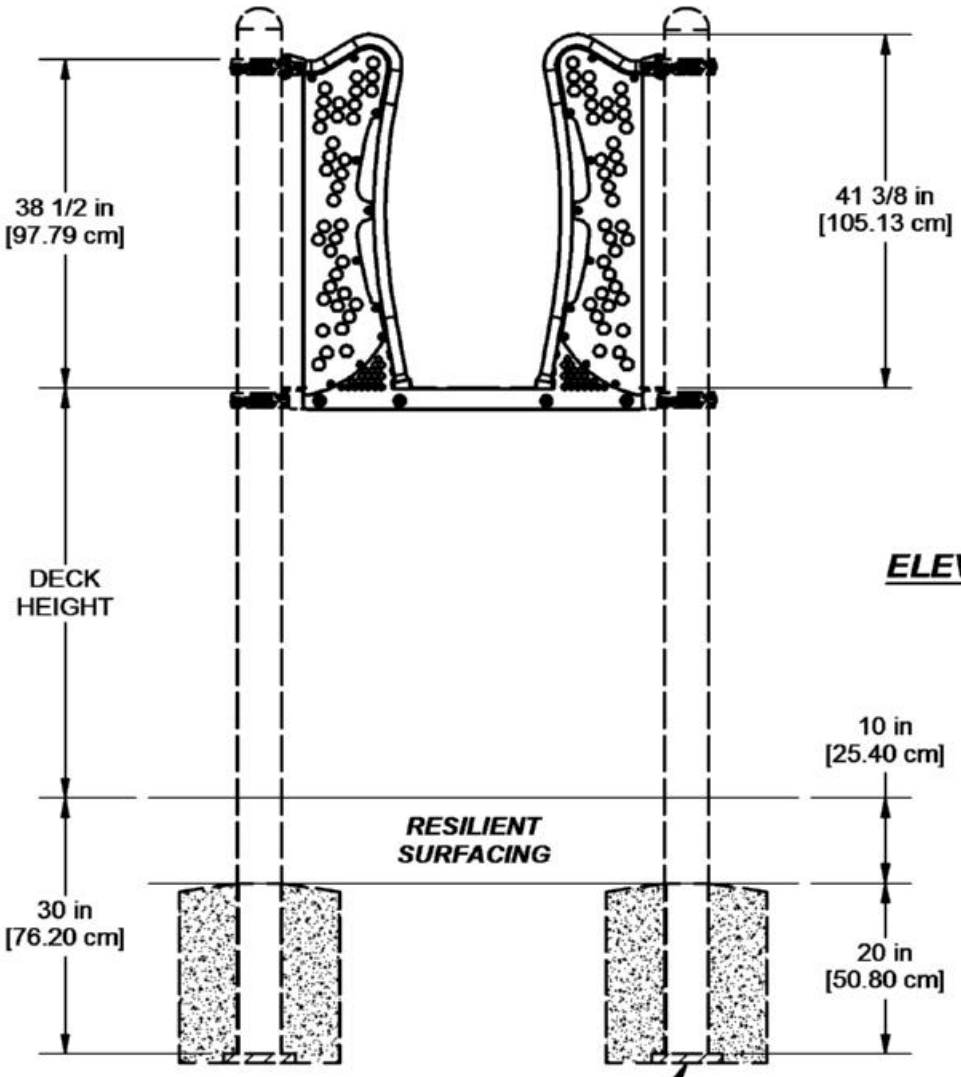
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 6/16/2023

# 72096 LOOKOUT SPLIT ENTRY

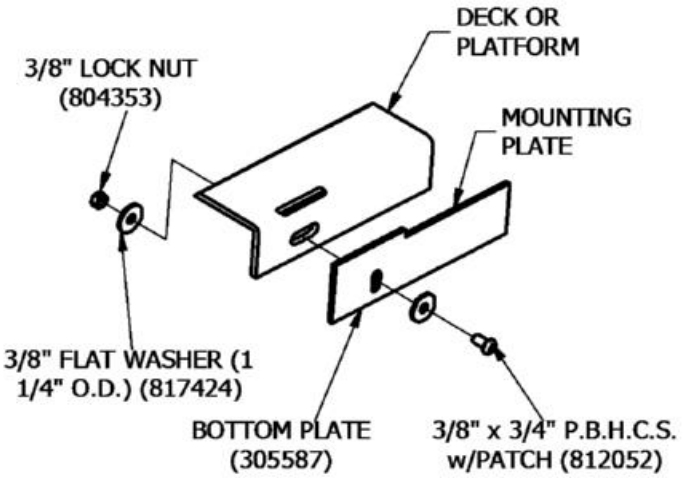



***PLAN VIEW***



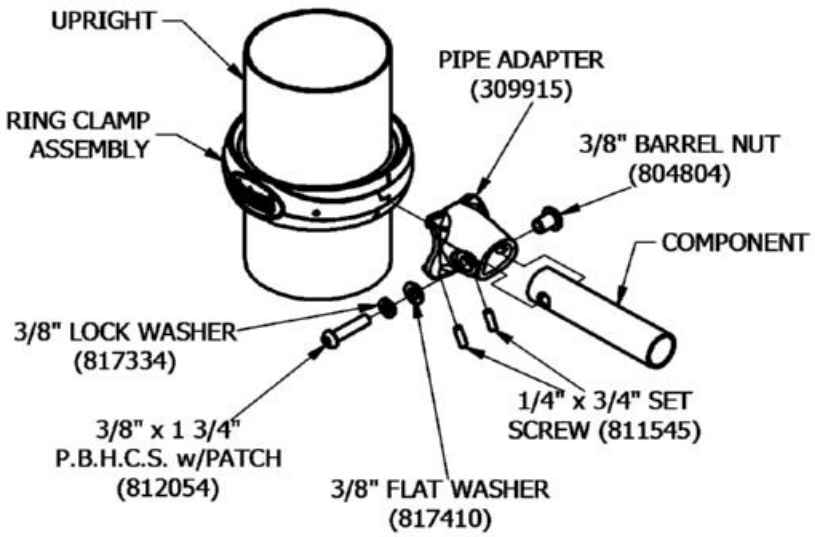

***ELEVATION VIEW***

# 72096 LOOKOUT SPLIT ENTRY

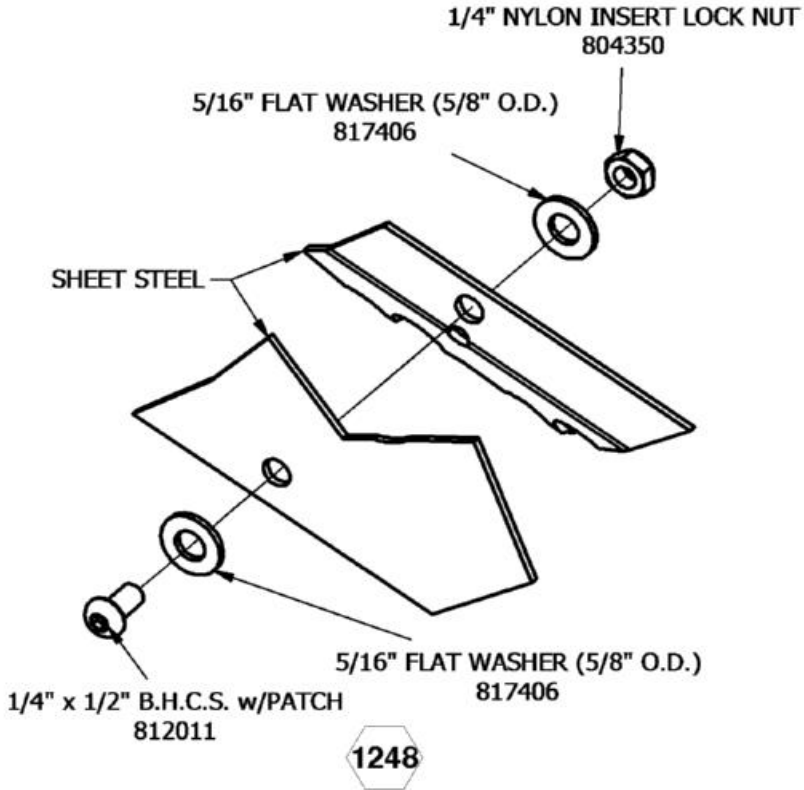



318

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




448




1248

SuperMax Play Systems

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

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

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

***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location. Any bolt end protruding more than two full threads beyond the face of the nut causes risk of clothing entanglement. Promptly cut-off flush, file smooth, and treat to prevent corrosion.***
***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***
***Note: Loctite (supplied by others) should be used on any non-patch hardware.***

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

## INSTALLATION INSTRUCTIONS:

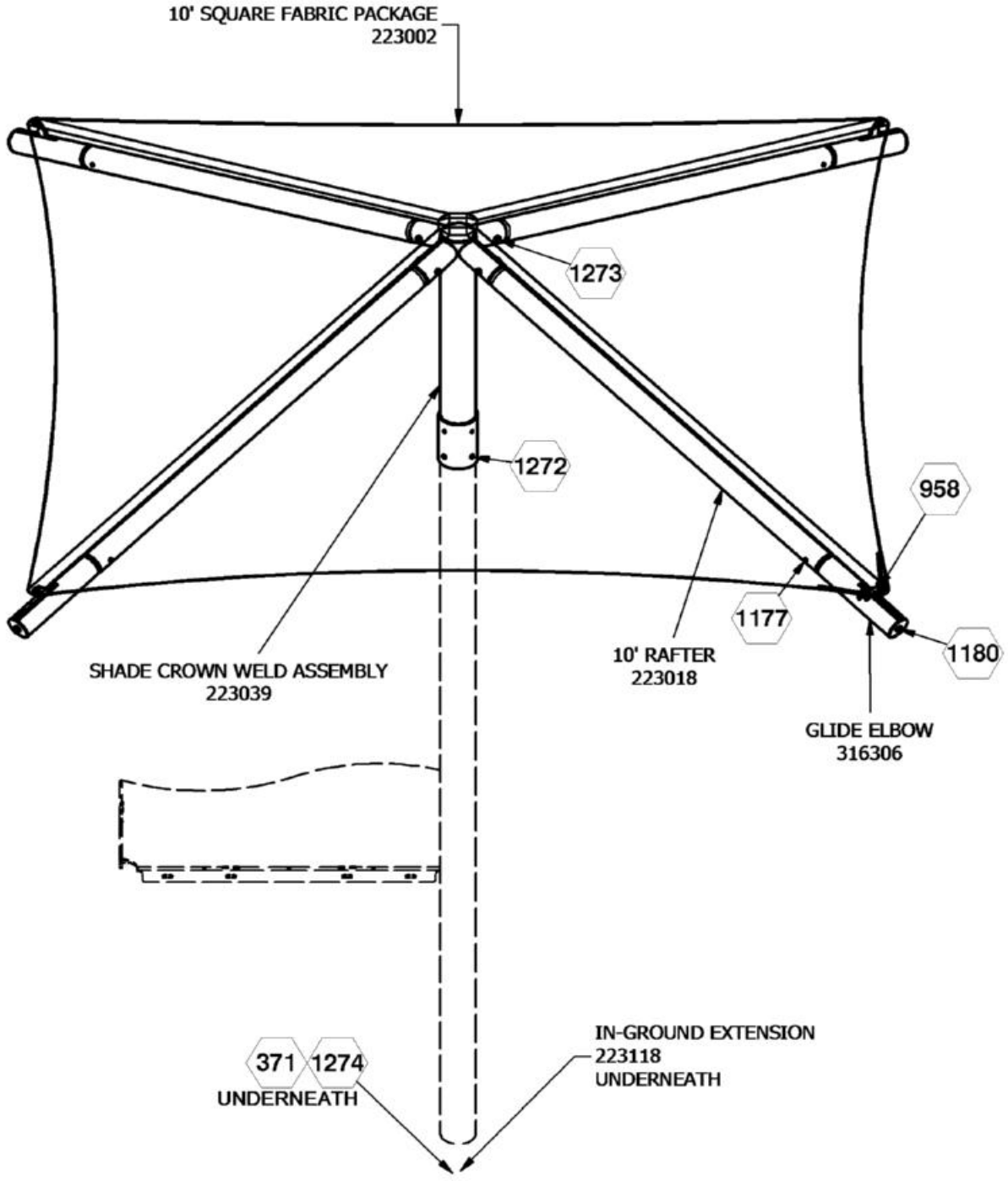
1. Determine which upright is to receive the 10' x 10' Shade. Refer to order Top View.
2. Put Anchor Rods into In-Ground Extensions. See Detail 371.
3. Attach the In-Ground Extension to the existing upright. See Detail 1274.
4. Attach the Shade Crown Weld Assembly to the existing upright. See Detail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

## MAINTENANCE PROCEDURE:

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

SuperMax Play Systems

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




⬡ = INSTALLATION DETAIL

Issued/Revised: 11/2/2023

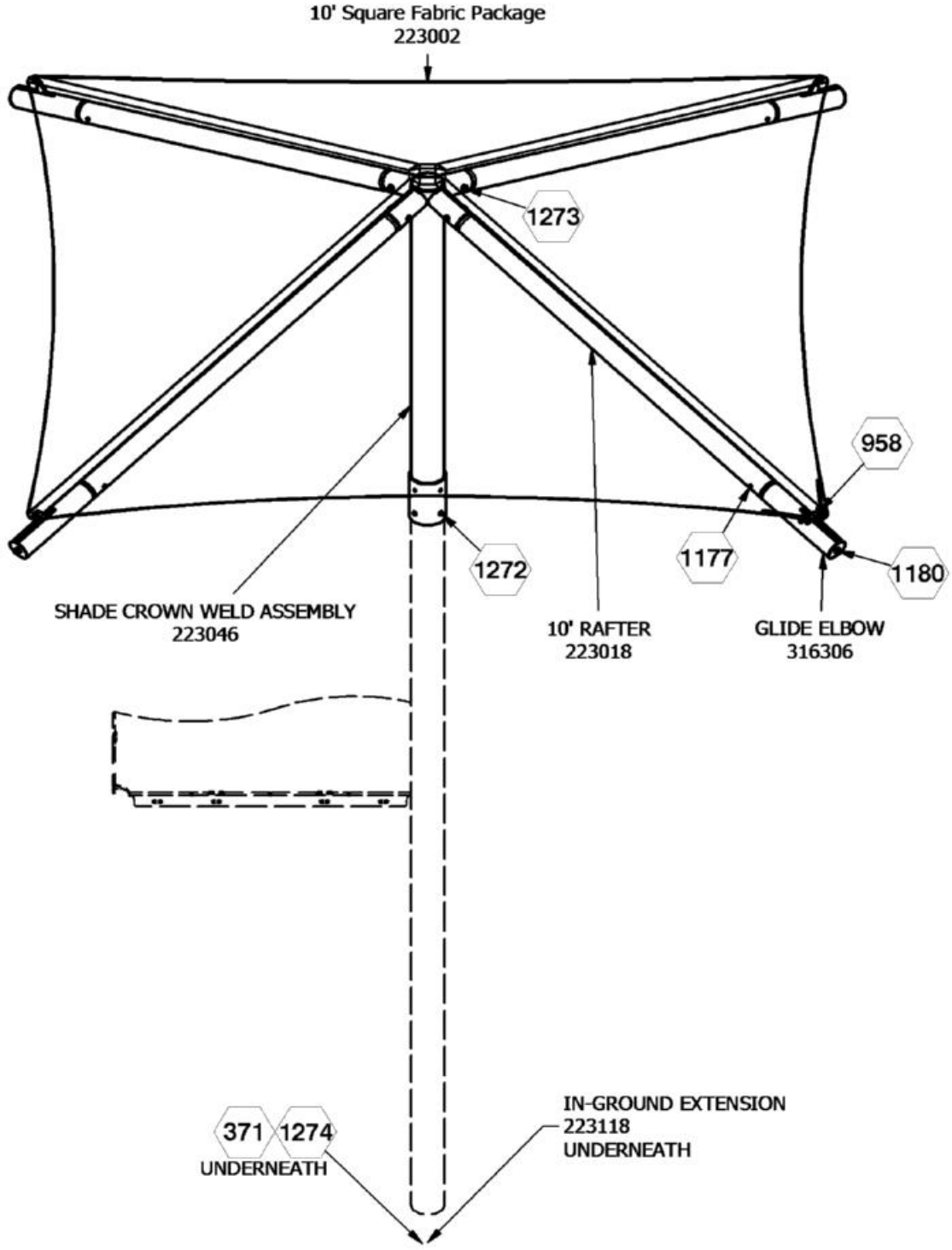
***FINISHED ASSEMBLY***

4'-0" SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

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




⬡ = INSTALLATION DETAIL

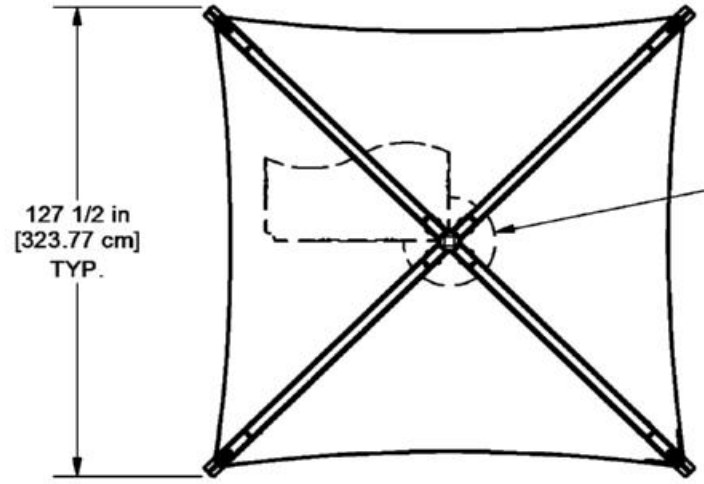
Issued/Revised: 11/2/2023

***FINISHED ASSEMBLY***

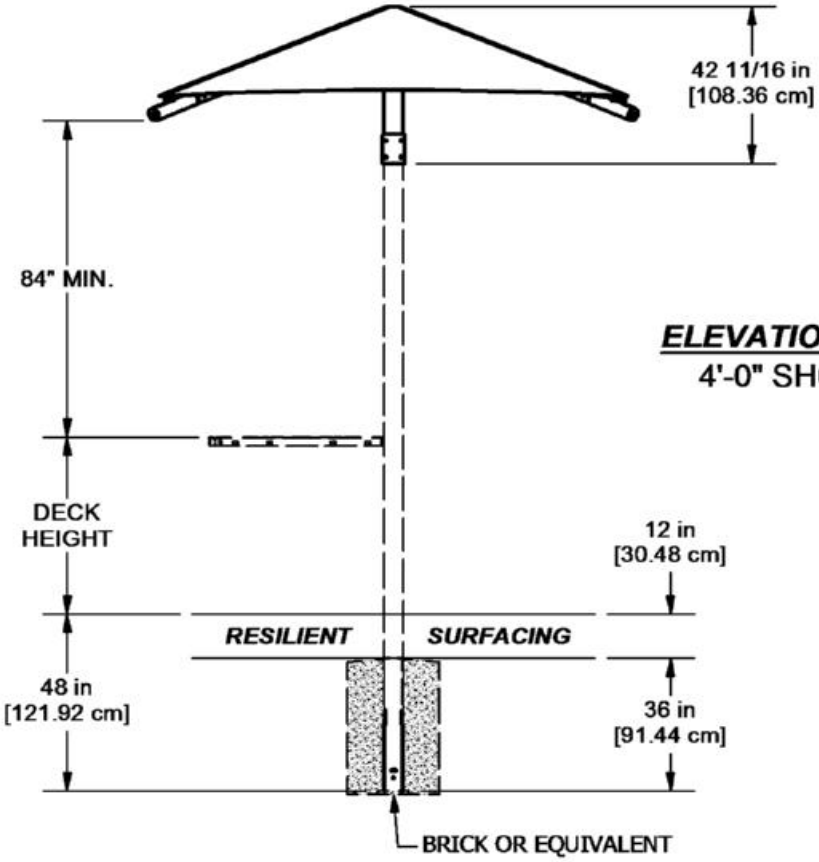
6'-8" SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

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



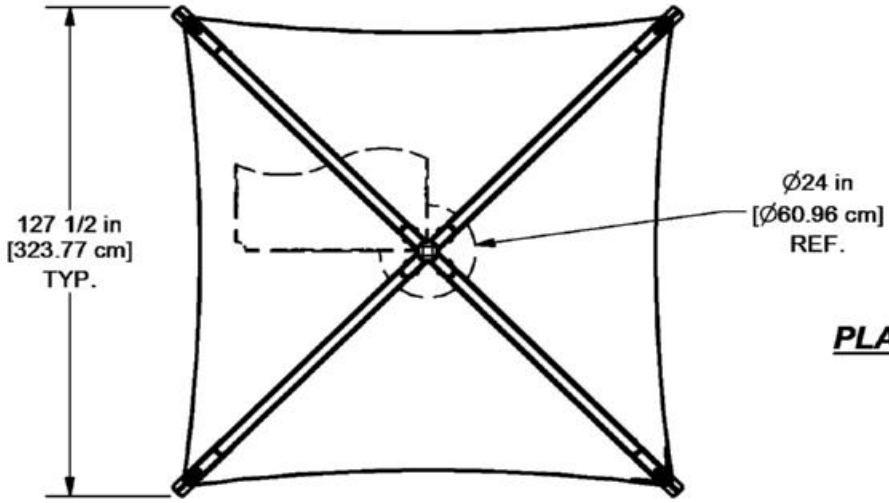

***PLAN VIEW***



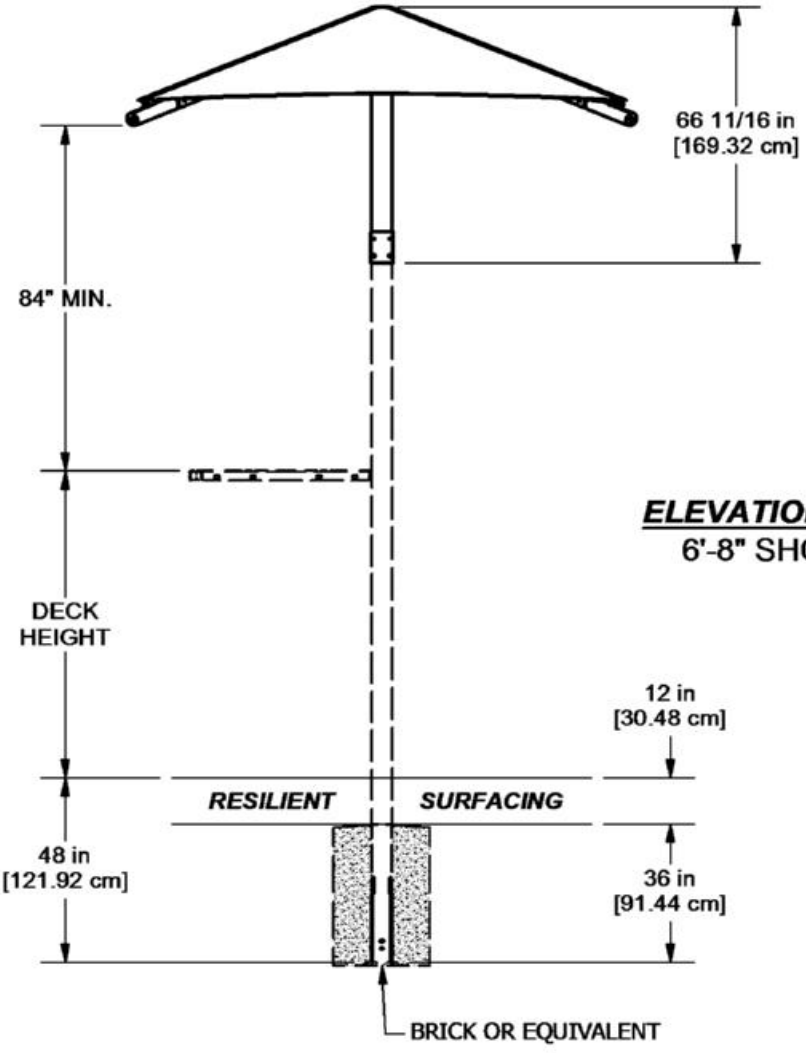

***ELEVATION VIEW***
4'-0" SHOWN

SuperMax Play Systems

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

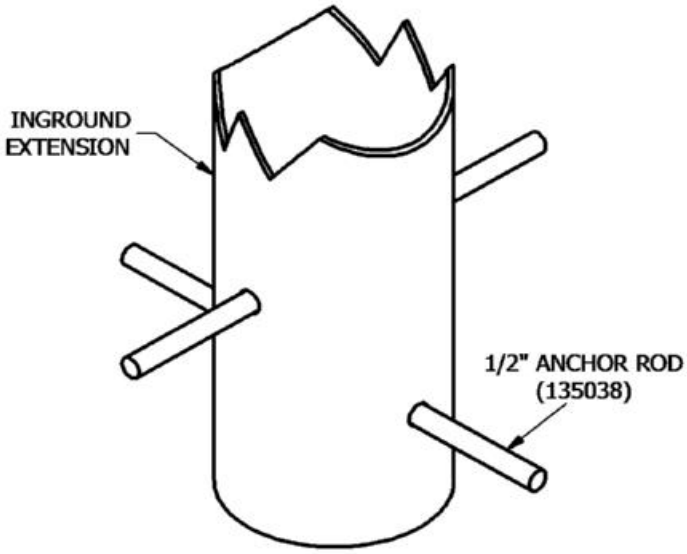



***PLAN VIEW***



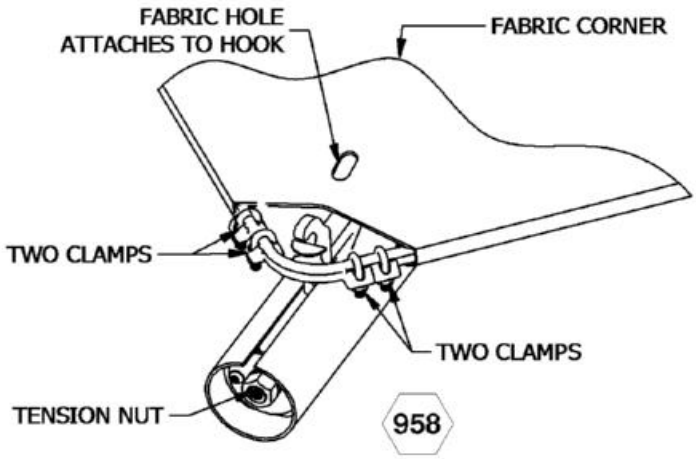

***ELEVATION VIEW***
6'-8" SHOWN

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




371

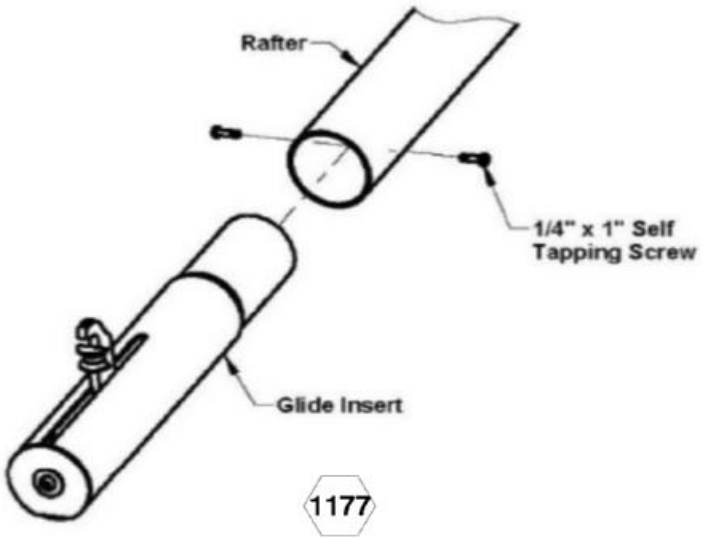
SMALLER GLIDE INSERTS WILL NOT HAVE A CABLE GUIDE ON THE GLIDE HOOK. THE CABLE FOLLOWED BY THE FABRIC HOLE ARE BOTH PLACED OVER THE HOOK.



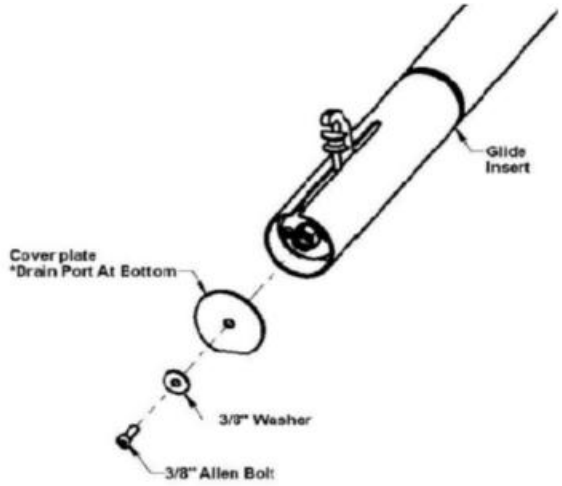

958

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

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

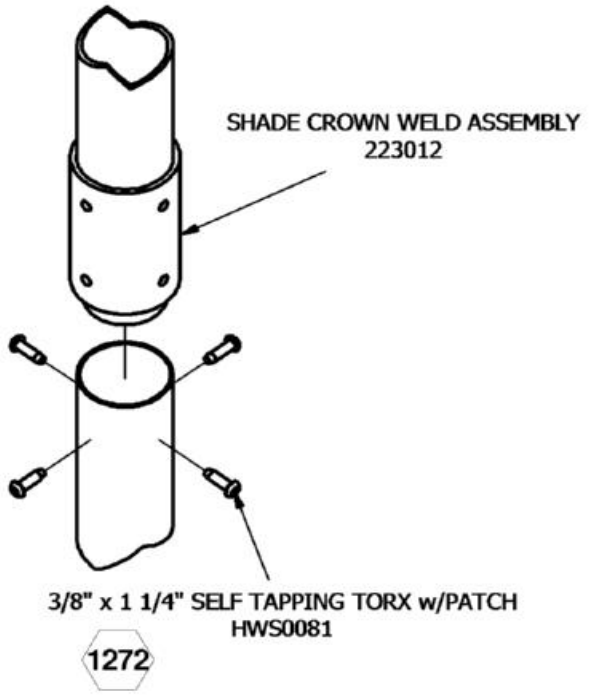


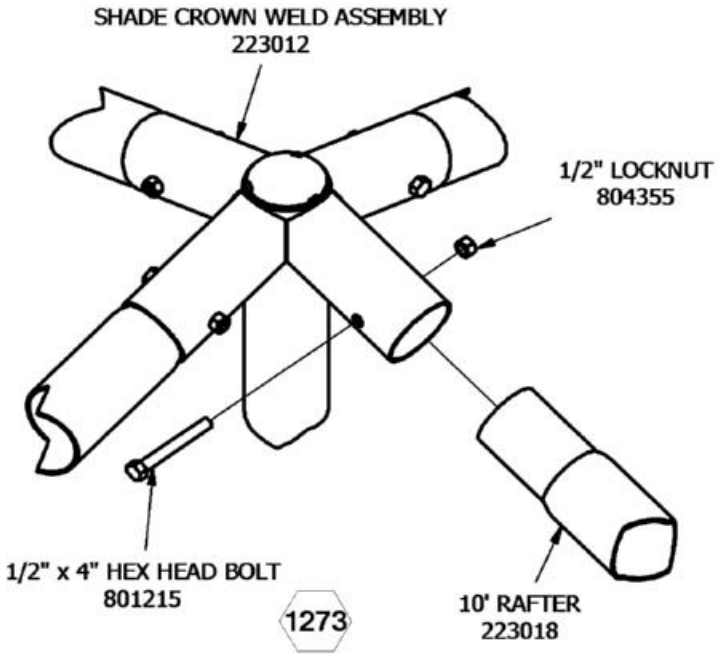

1177

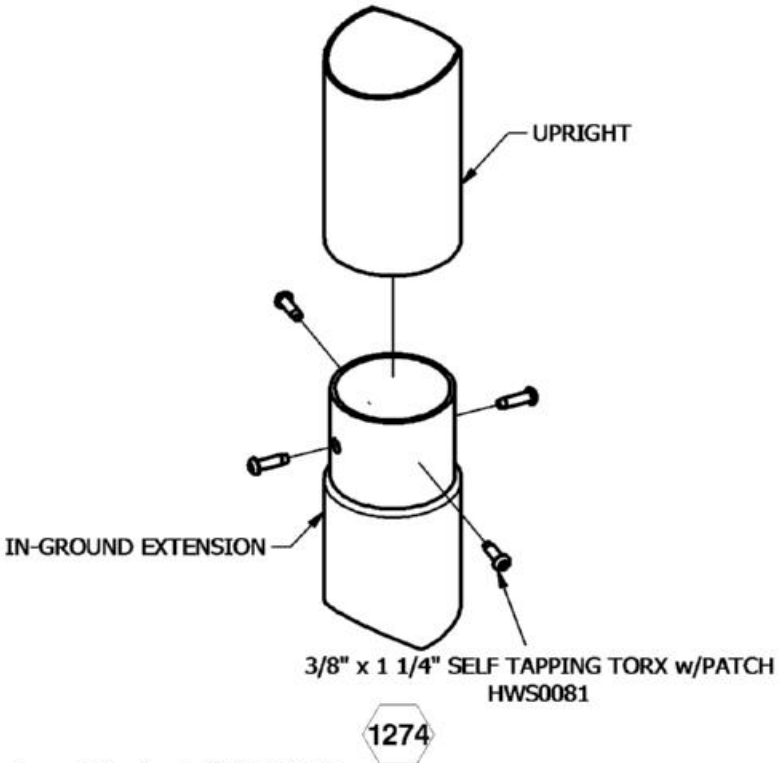



1180

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




Issued/Revised: 11/2/2023

# 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.**

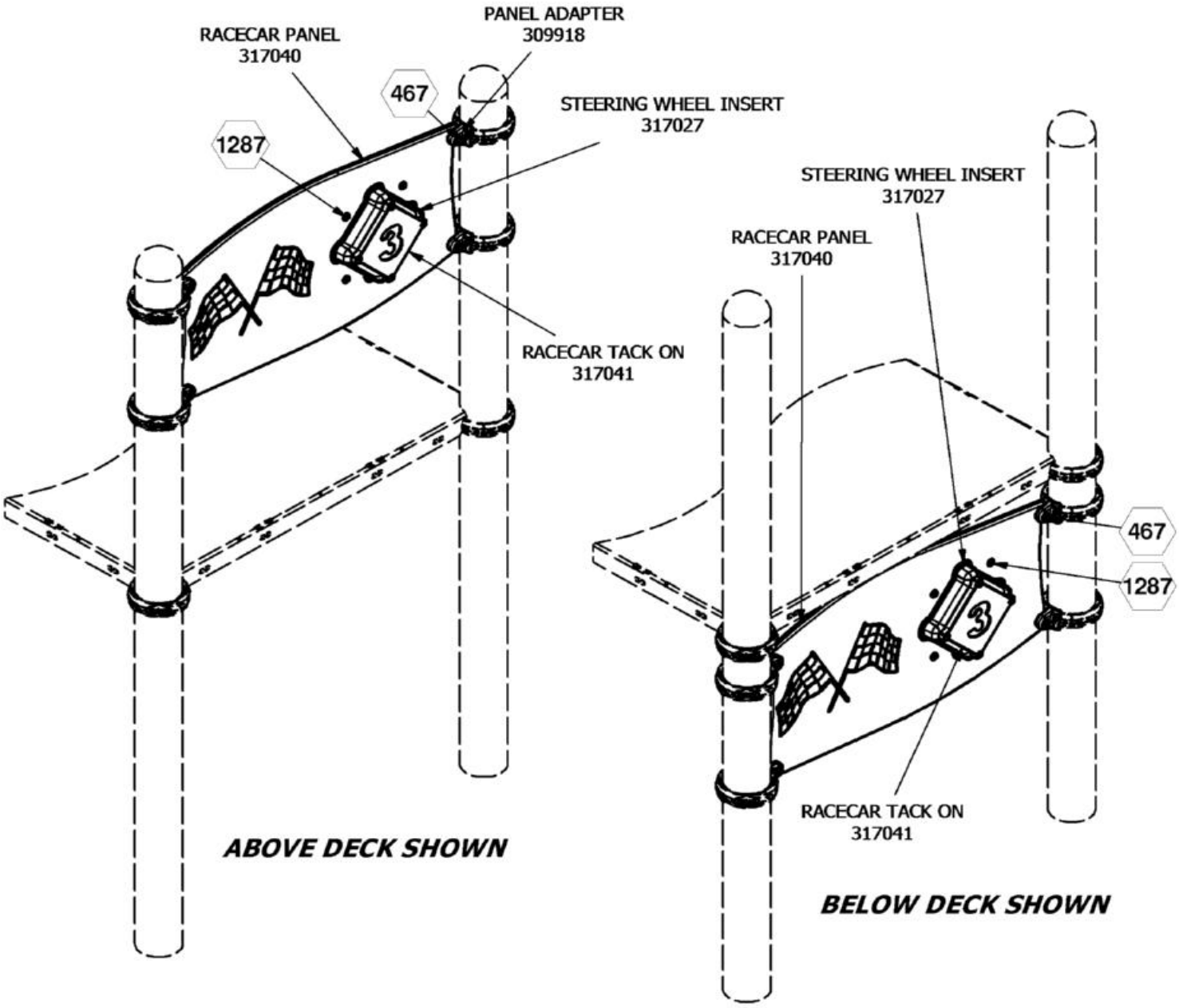
8. When the structure is finished and satisfactory, install Drive Rivets in all clamps to ensure clamps cannot slide down posts. See Ring Clamp subassembly sheets. ***It is very important that all Drive Rivets be installed prior to allowing use of the equipment, as clamps are not designed to support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



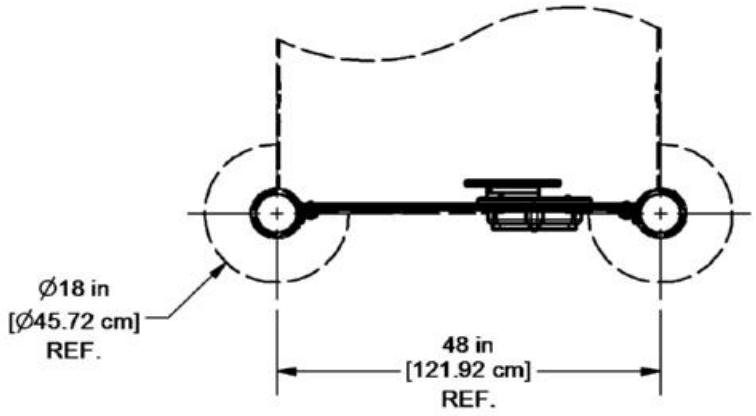

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

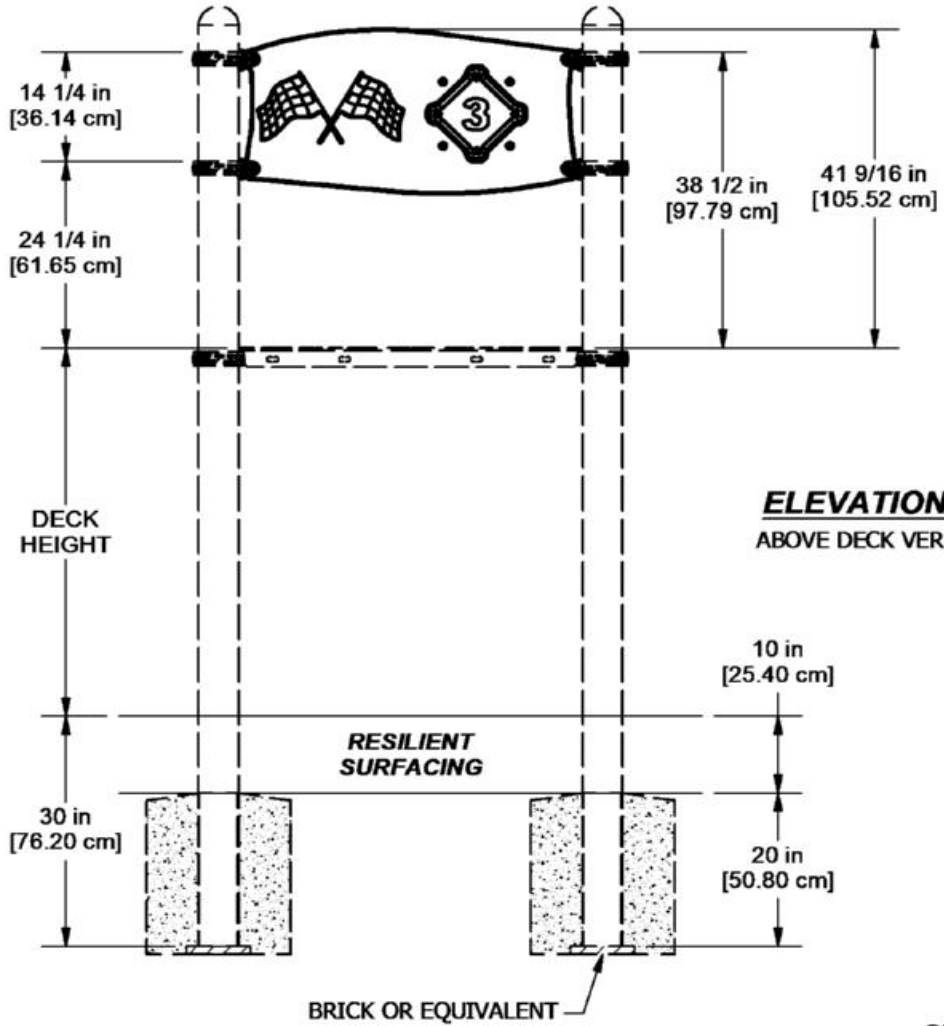
Issued/Revised: 6/12/2024

**FINISHED ASSEMBLY**

# 72168 RACECAR ROTOGEN PANEL (ABOVE DECK VER.)



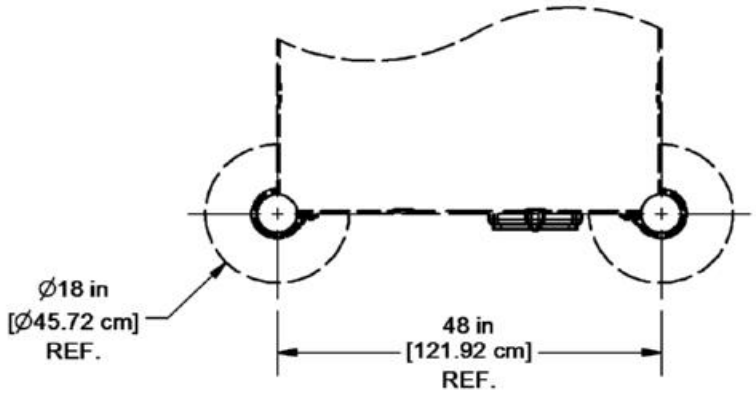

***PLAN VIEW***



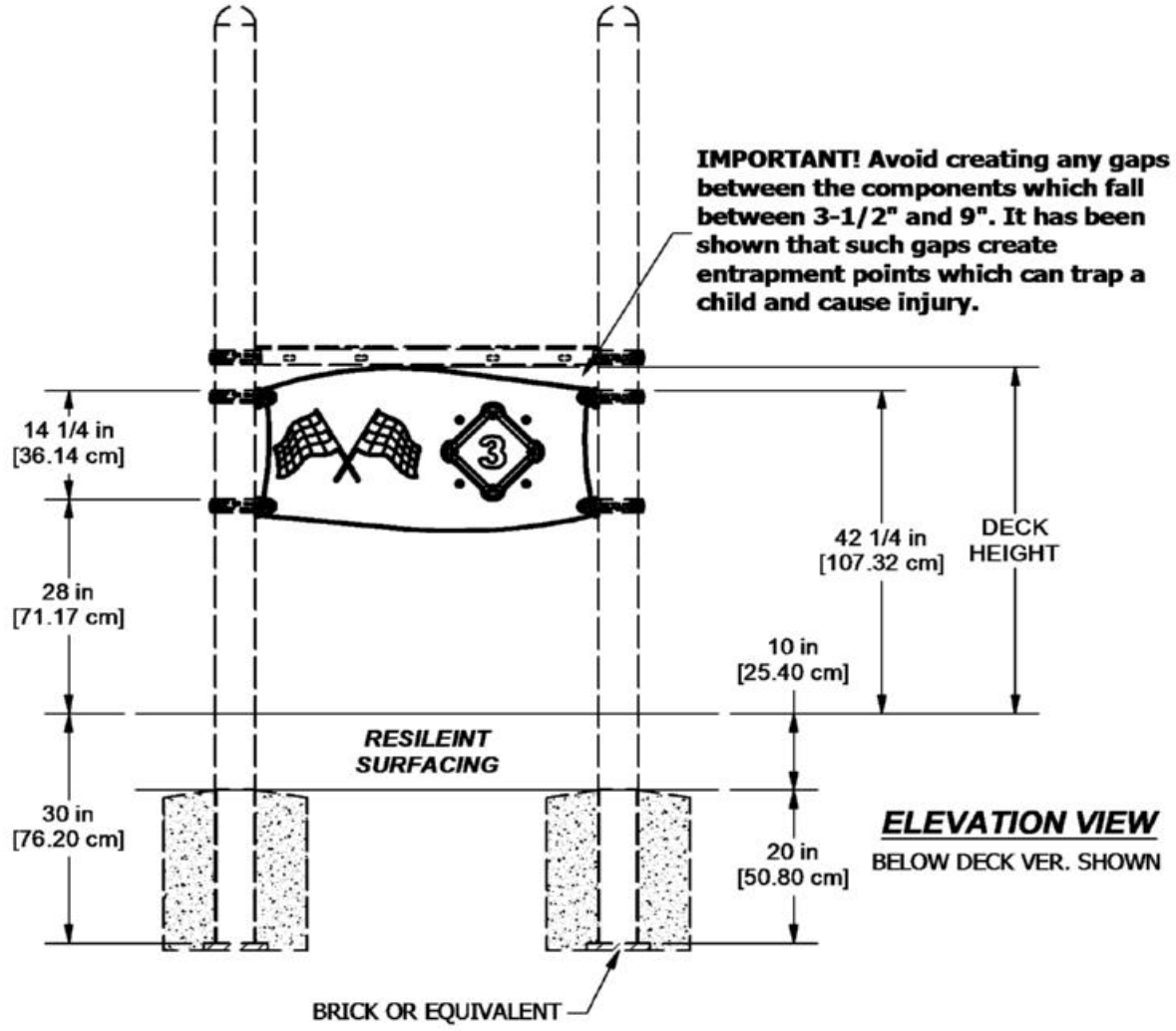

***ELEVATION VIEW***

ABOVE DECK VER. SHOWN

# 72168 RACECAR ROTOGEN PANEL (BELOW DECK VER.)




***PLAN VIEW***



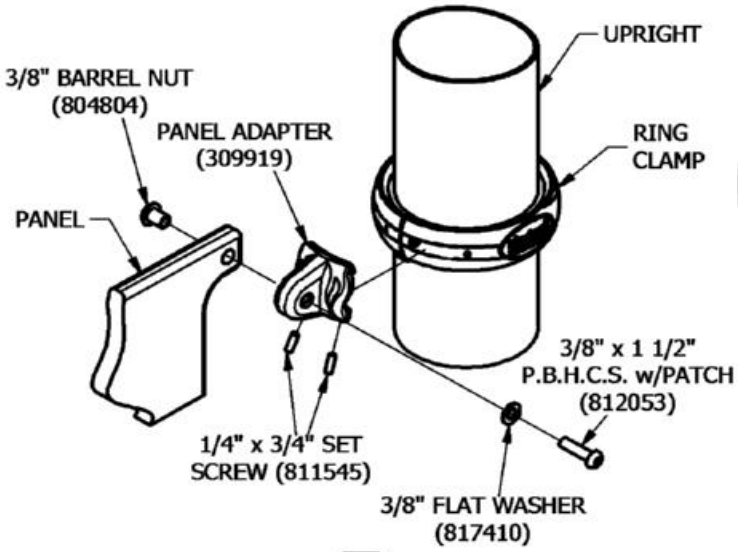

***ELEVATION VIEW***

BELOW DECK VER. SHOWN

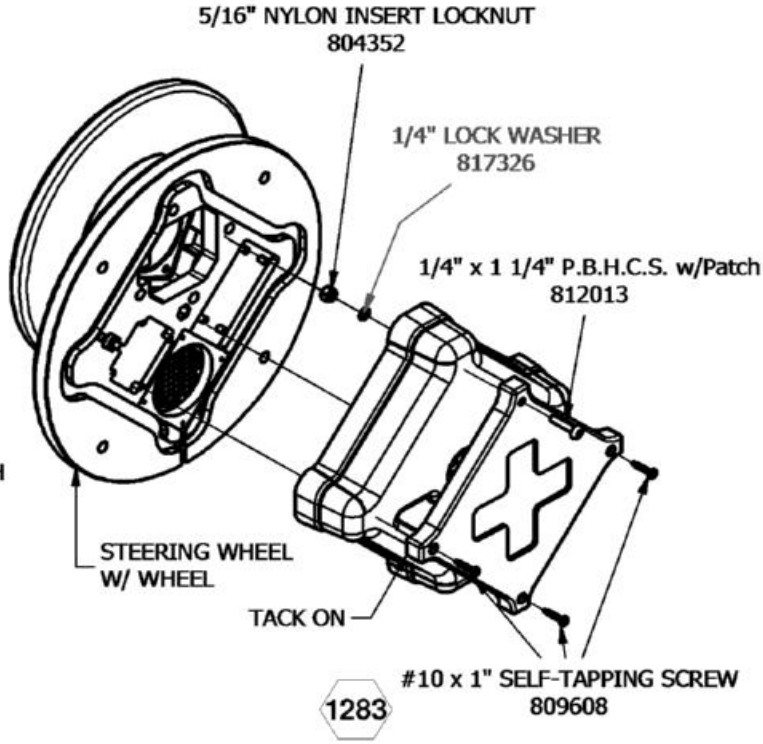
# 72168 RACECAR ROTOGEN PANEL

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

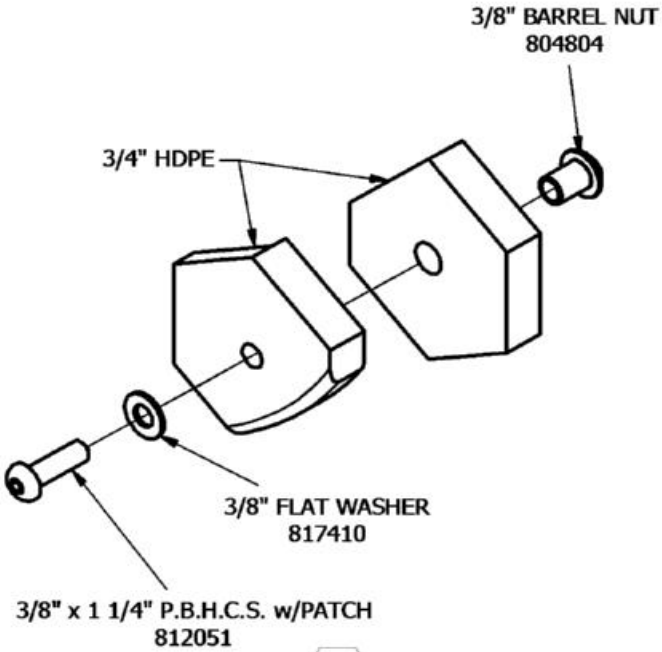
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.




467




1283




1287

SuperMax Play Systems

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

# 72196 LOOKOUT RAMP 8" RISE (8' SPAN) BARRIERS

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| HAND HOLD | 1 | 176725 |
| VERTICAL ADAPTER | 2 | 309917 |
| 8' RAMP INLAY BARRIER WELDMENT | 1 | 317250 |
| 8' NON-SENSORY RAMP SIDE TOP | 1 | 317254 |
| 8' NON-SENSORY RAMP SIDE BOTTOM | 1 | 317256 |
| ***HARDWARE COMPLETE*** | 1 | 317257 |
| 1/4" x 3/4" SET SCREW | 4 | 811545 |
| 5/16" x 3/4" P.B.H.C.S. w/PATCH | 28 | 812040 |
| 5/16" LOCK WASHER | 28 | 817330 |
| 5/16" FLAT WASHER (11/16" O.D.) | 56 | 817406 |
| 5/16" NYLON INSERT LOCKNUT | 28 | 804352 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 8 | 812050 |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 3 | 812054 |
| 3/8" LOCK WASHER | 9 | 817334 |
| 3/8" FLAT WASHER | 14 | 817410 |
| 3/8" T-NUT | 3 | 804556 |
| 3/8" ACORN NUT | 6 | 804002 |
| 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.***

## ***INSTALLATION INSTRUCTIONS:***

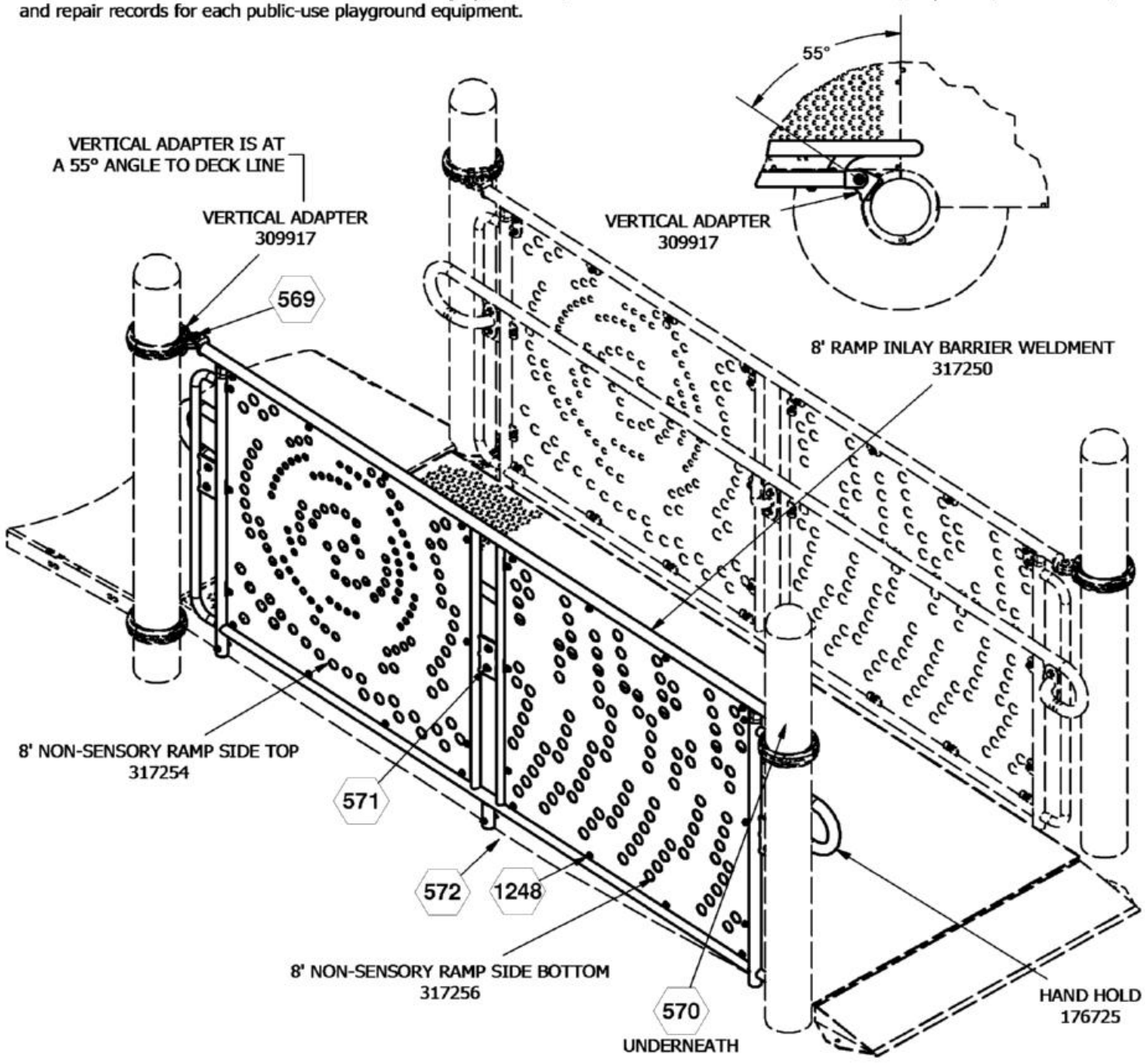
1. Determine which ramp is to receive the Lookout Ramp. Refer to order Top View.
2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.
3. Attach top of the Barrier to the Ring Clamps using Vertical Adapters. See Details 569 & 570.
4. Attach the bottom of the Barrier to the side of the Ramp. See Detail 572.
5. Attach the Ramp Sides to the Barrier. See Detail 1248.
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.

SuperMax Play Systems

# 72196 LOOKOUT RAMP 8" RISE (8' SPAN) BARRIERS

***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

Issued/Revised: 12/10/2024

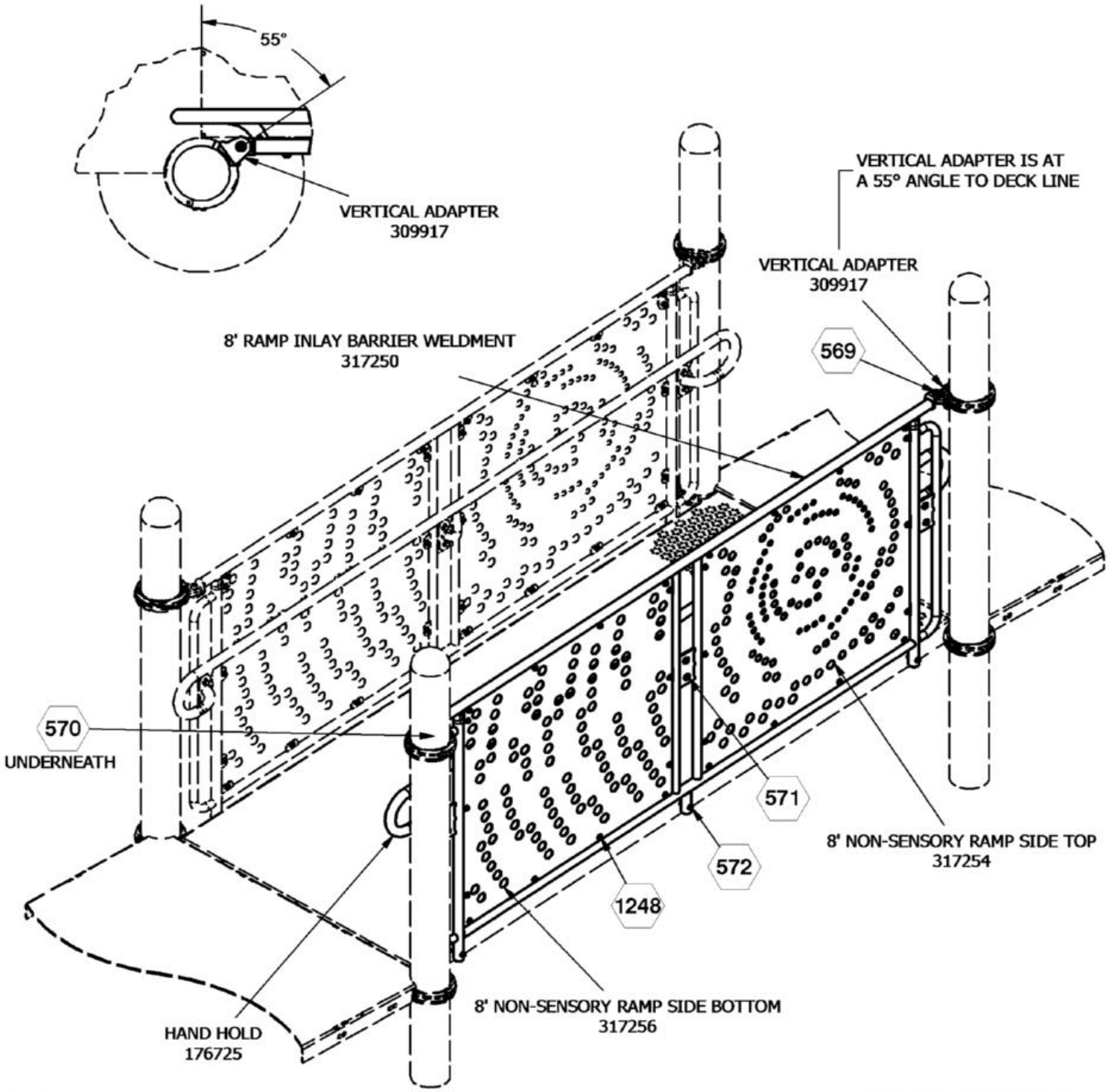
***FINISHED ASSEMBLY***

GROUND TO DECK SHOWN

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

# 72196 LOOKOUT RAMP 8" RISE (8' SPAN) BARRIERS




⬡ = INSTALLATION DETAIL

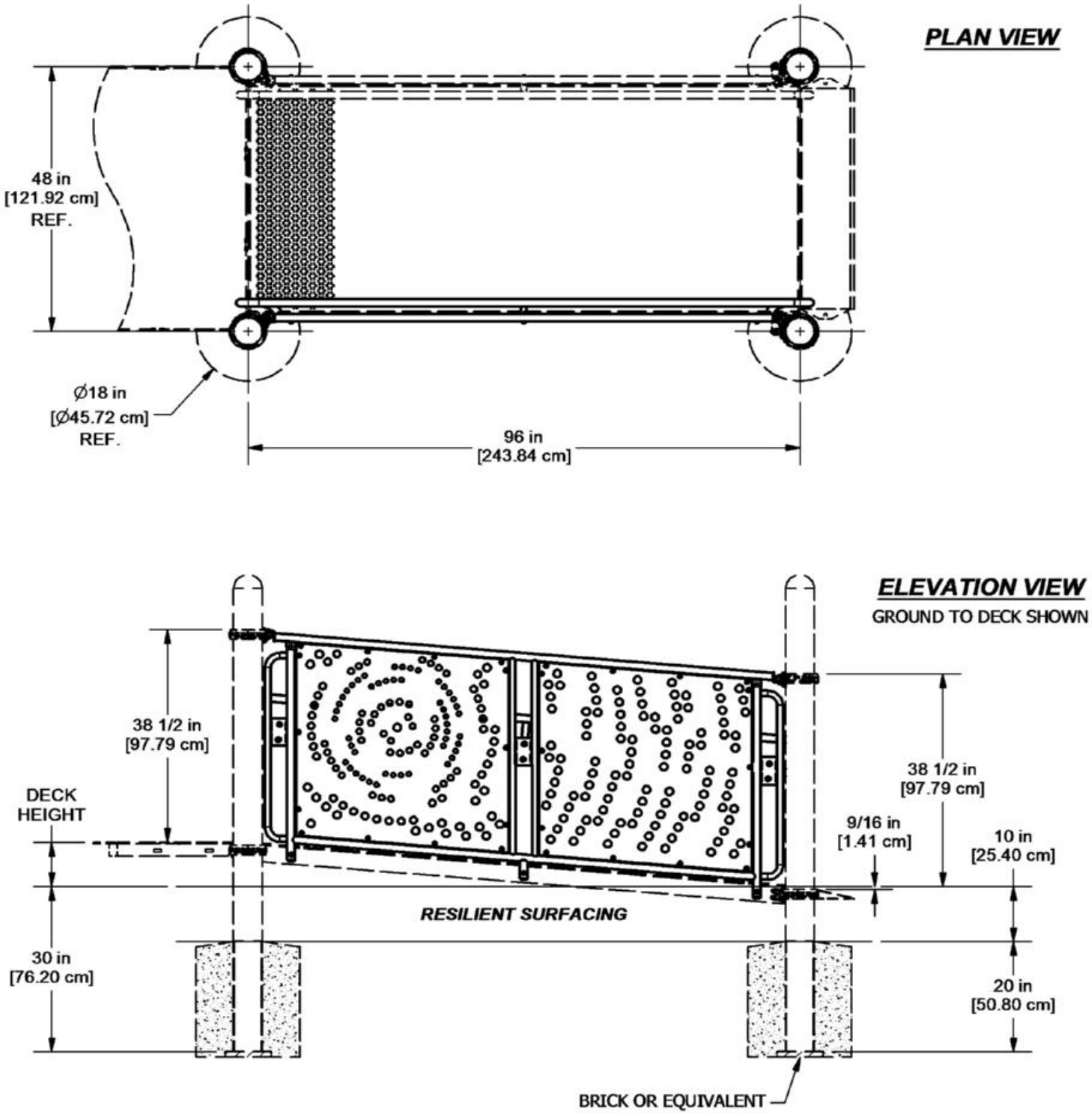
Issued/Revised: 12/10/2024

***FINISHED ASSEMBLY***

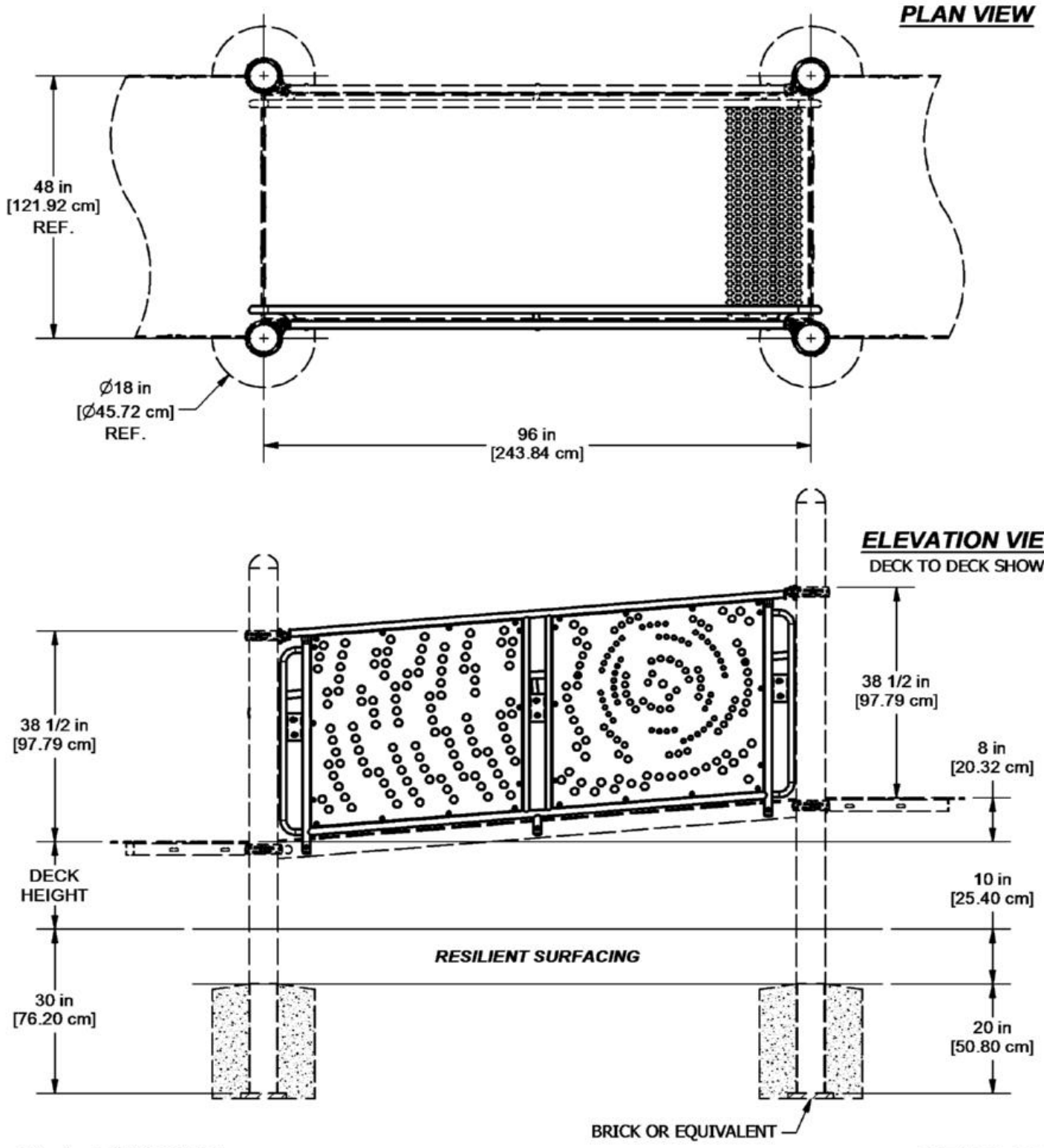
DECK TO DECK SHOWN

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

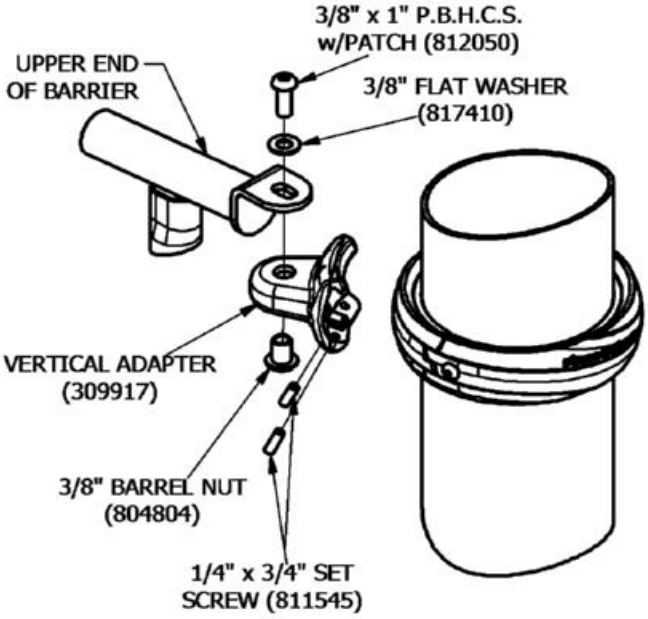
# 72196 LOOKOUT RAMP 8" RISE (8' SPAN) GROUND TO DECK



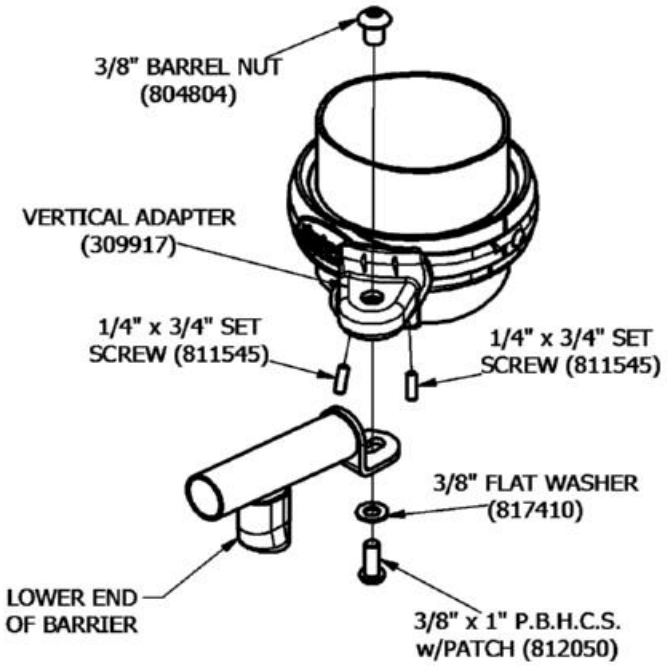
# 72196 LOOKOUT RAMP 8" RISE (8' SPAN) BARRIERS



# 72196 LOOKOUT RAMP 8" RISE (8' SPAN) BARRIERS

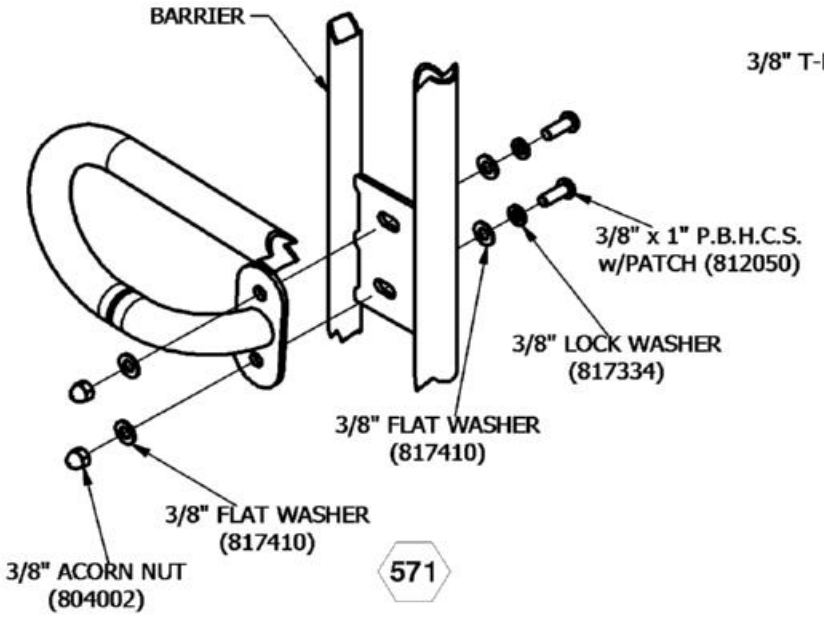



569

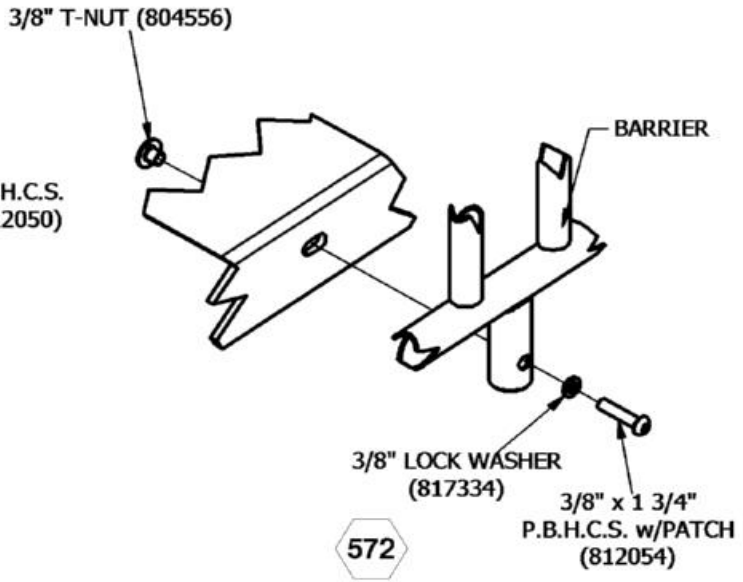



570

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

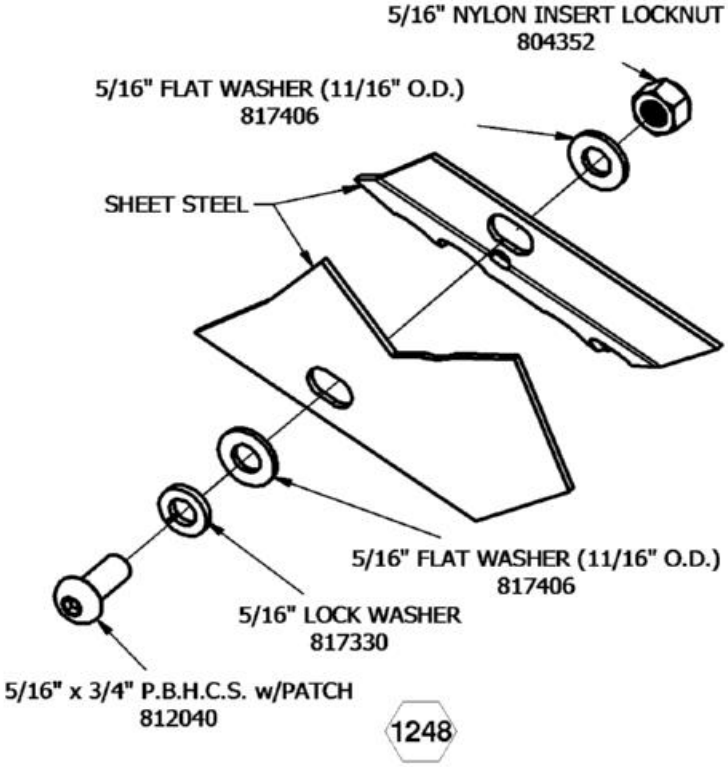



571




572

# 72196 LOOKOUT RAMP 8" RISE (8' SPAN) BARRIERS



SuperMax Play Systems

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

# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A
# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B
# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C
# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D

| Parts List | | | | | |
|---|---|---|---|---|---|
| DESCRIPTION | 72200 | 72236 | 72237 | 72238 | PART NUMBER |
| HOURGLASS SENSOR RAMP ASSEMBLY | 0 | 0 | 1 | 0 | 7368 |
| 20" BELL SENSOR RAMP ASSEMBLY | 1 | 0 | 0 | 0 | 7369 |
| HYPNETIC SENSOR RAMP ASSEMBLY | 0 | 1 | 0 | 0 | 7370 |
| PIANO SENSOR RAMP ASSEMBLY | 0 | 0 | 0 | 1 | 7371 |
| 12" BELL SENSOR RAMP ASSEMBLY | 0 | 1 | 0 | 0 | 7372 |
| TOPOGRAPHIC SENSOR RAMP ASSEMBLY | 1 | 0 | 0 | 0 | 7373 |
| HYPNO WHEEL SENSOR RAMP ASSEMBLY | 0 | 0 | 0 | 1 | 7374 |
| WINDOW PANEL SENSOR RAMP ASSEMBLY | 1 | 1 | 1 | 1 | 7376 |
| 12" ROLLER BALLS SENSOR RAMP ASSEMBLY | 0 | 0 | 1 | 0 | 7377 |
| HAND HOLD | 1 | 1 | 1 | 1 | 176725 |
| VERTICAL ADAPTER | 2 | 2 | 2 | 2 | 309917 |
| 8' RAMP INLAY BARRIER WELDMENT | 1 | 1 | 1 | 1 | 317250 |
| 8' SENSORY RAMP SIDE BOTTOM GROUND TO 8" | 1 | 1 | 1 | 1 | 317285 |
| 8' SENSORY RAMP SIDE TOP GROUND TO 8" | 1 | 1 | 1 | 1 | 317287 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 1 | 317458 |
| 1/4" x 3/4" SET SCREW | 4 | 4 | 4 | 4 | 811545 |
| 5/16" x 3/4" P.B.H.C.S. w/PATCH | 28 | 28 | 28 | 28 | 812040 |
| 5/16" LOCK WASHER | 28 | 28 | 28 | 28 | 817330 |
| 5/16" FLAT WASHER (11/16" O.D.) | 56 | 56 | 56 | 56 | 817406 |
| 5/16" NYLON INSERT LOCKNUT | 28 | 28 | 28 | 28 | 804352 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 8 | 8 | 8 | 8 | 812050 |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 3 | 3 | 3 | 3 | 812054 |
| 3/8" LOCK WASHER | 9 | 9 | 9 | 9 | 817334 |
| 3/8" FLAT WASHER | 8 | 8 | 8 | 8 | 817410 |
| 3/8" T-NUT | 3 | 3 | 3 | 3 | 804556 |
| 3/8" ACORN NUT | 6 | 6 | 6 | 6 | 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.***

# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A
# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B
# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C
# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D

## INSTALLATION INSTRUCTIONS:

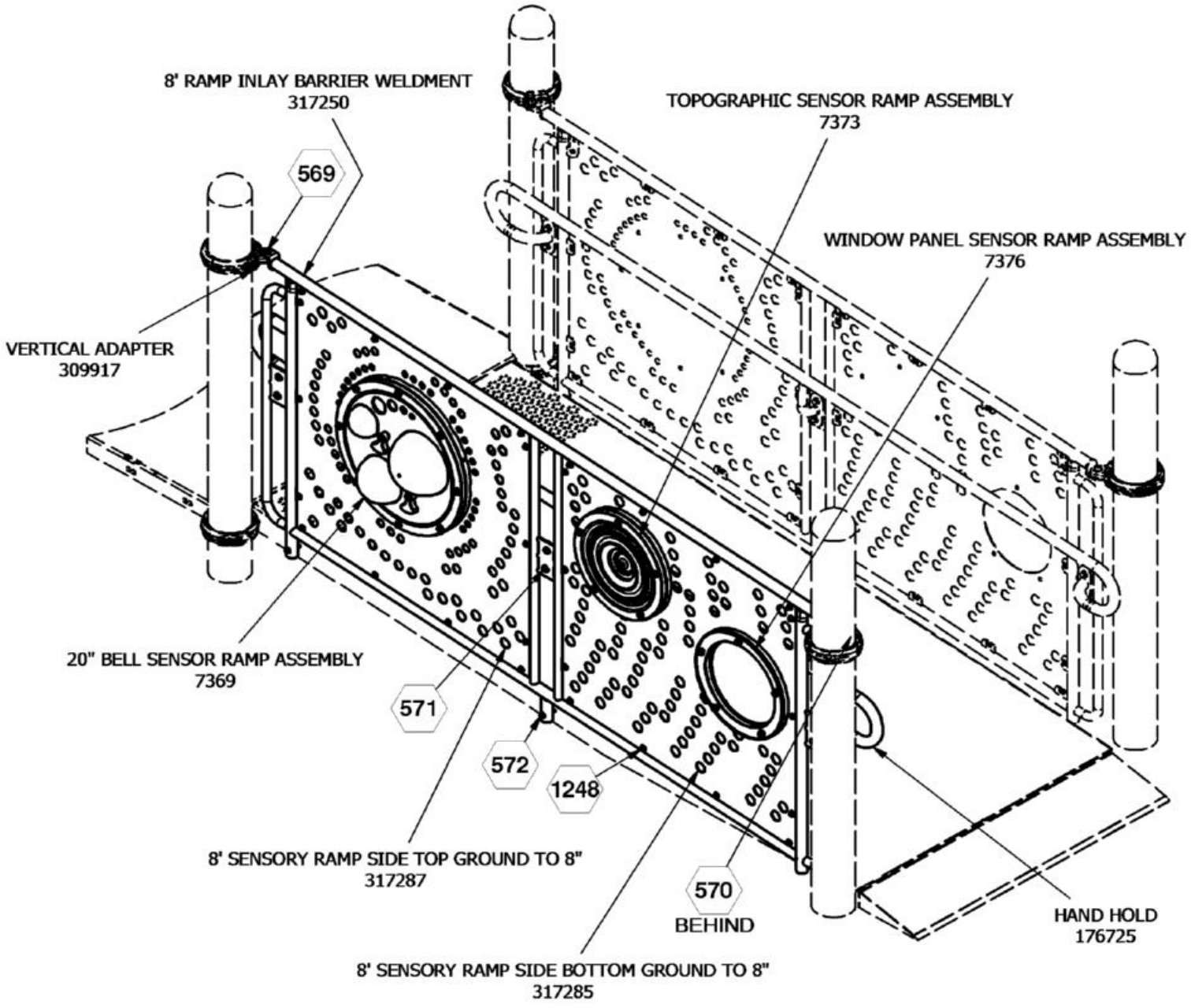
1. Determine which ramp barrier is to receive which ramp Sensor Package. Refer to order Top View.
2. Attach the Sensor Ramp Side Top and Bottom to the Inlay Barrier Weldment. See Detail 1248.
3. Attach top of the Barrier to the existing Ring Clamps using Vertical Adapters. See Details 569 & 570.
4. Attach 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

# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A




= INSTALLATION DETAIL

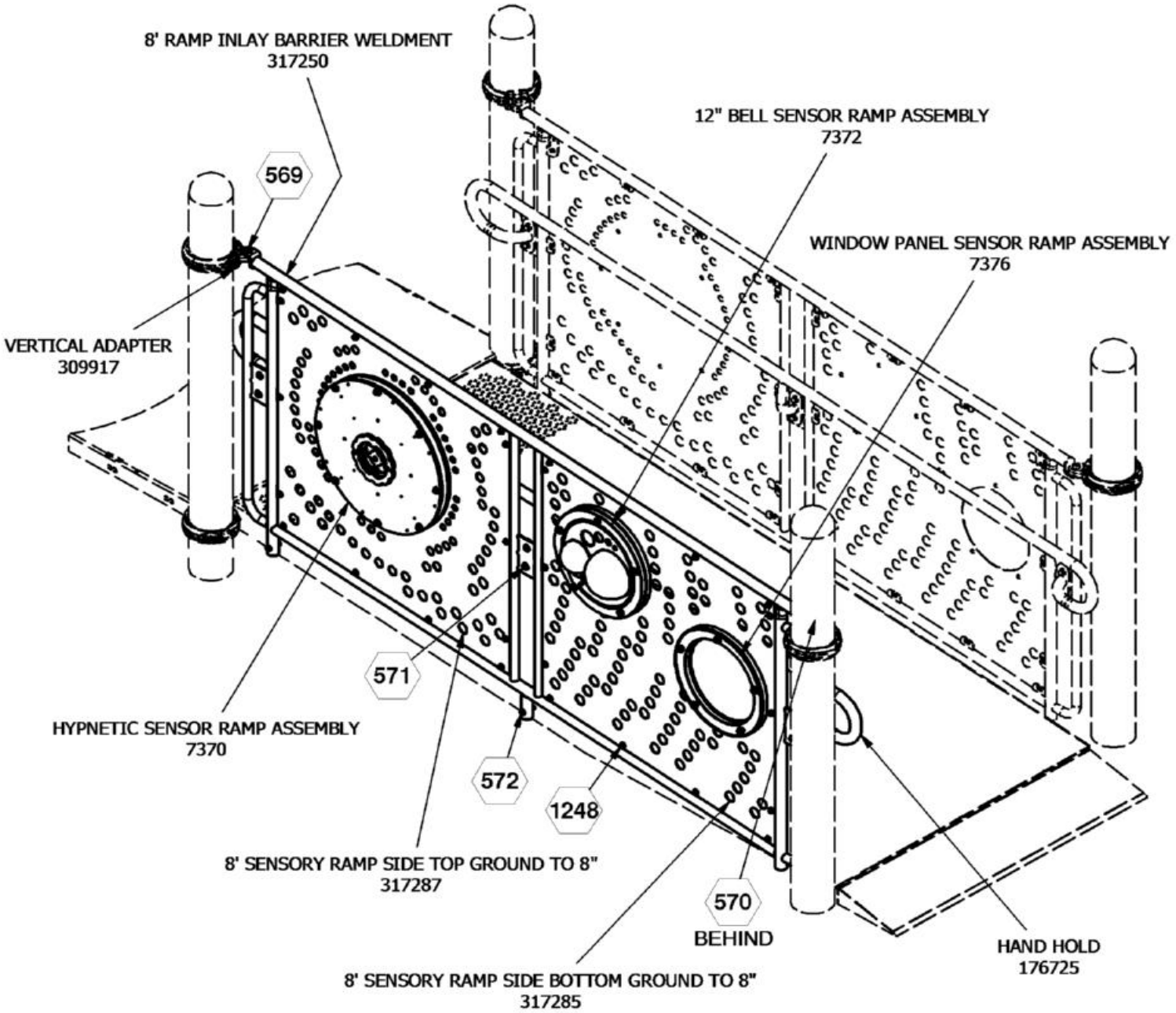
Issued/Revised: 12/11/2024

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B




= INSTALLATION DETAIL

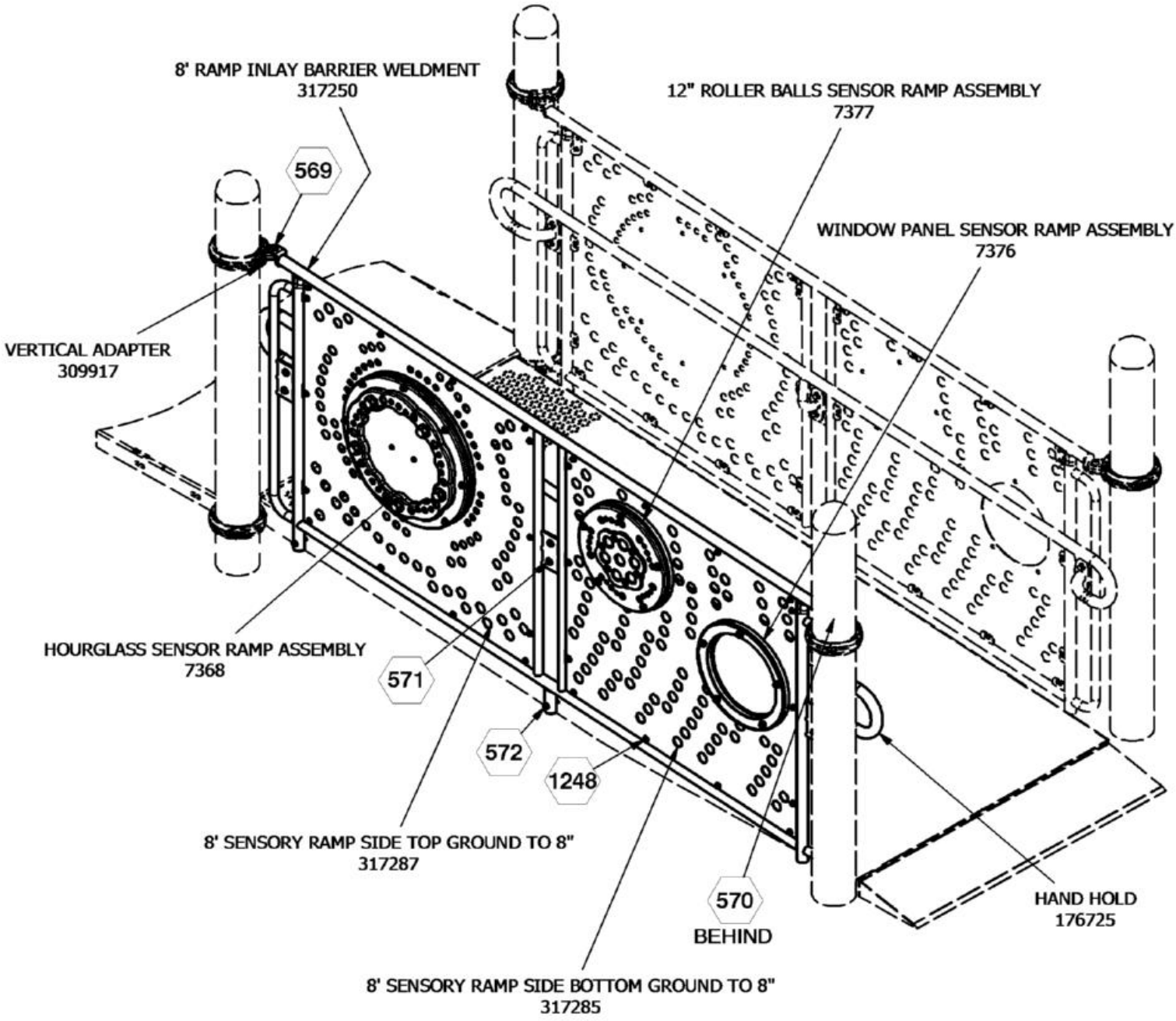
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 12/11/2024

***FINISHED ASSEMBLY***

SuperMax Play Systems

# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C




⬡ = INSTALLATION DETAIL

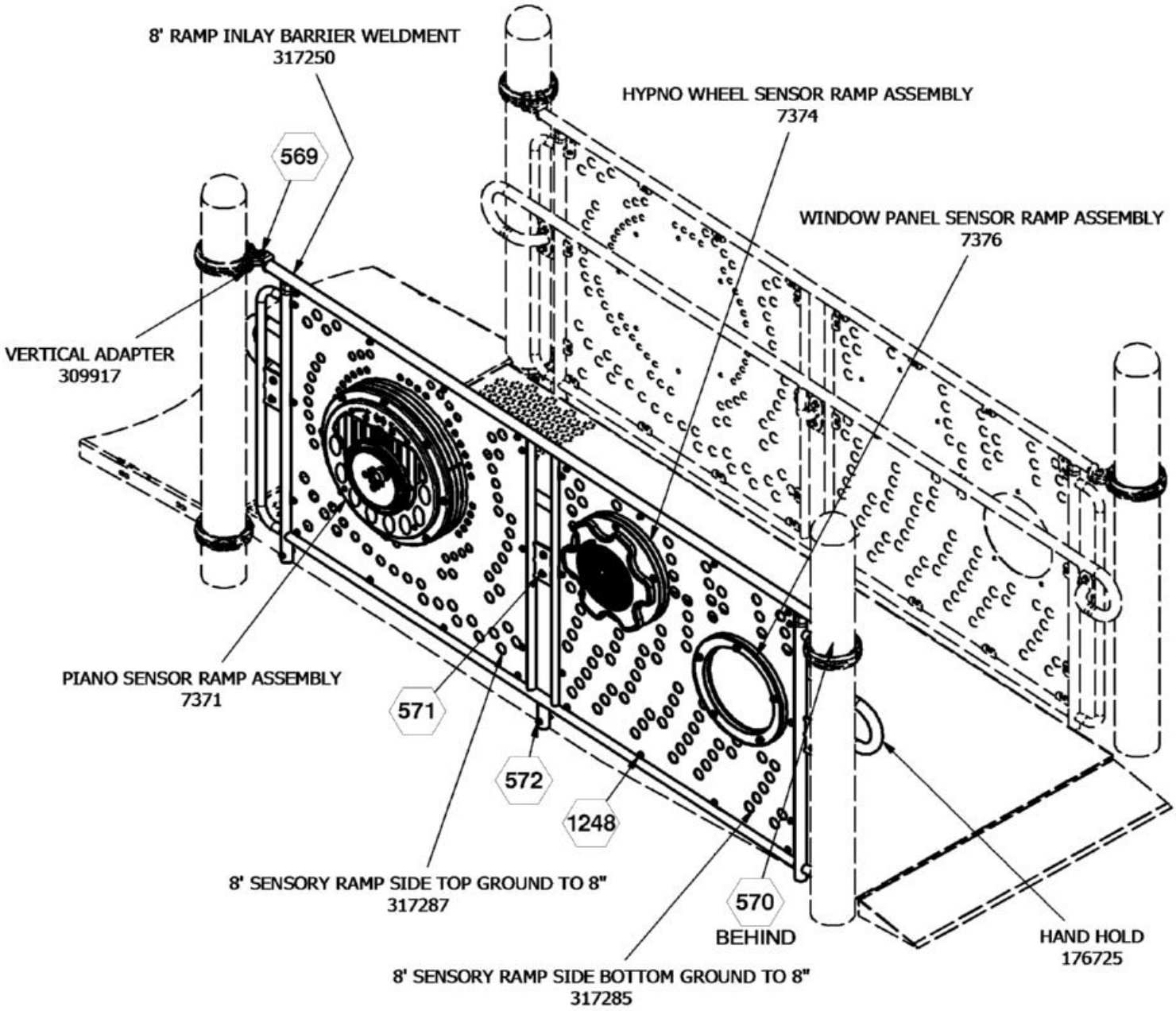
Issued/Revised: 12/11/2024

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

SuperMax Play Systems

# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D




= INSTALLATION DETAIL

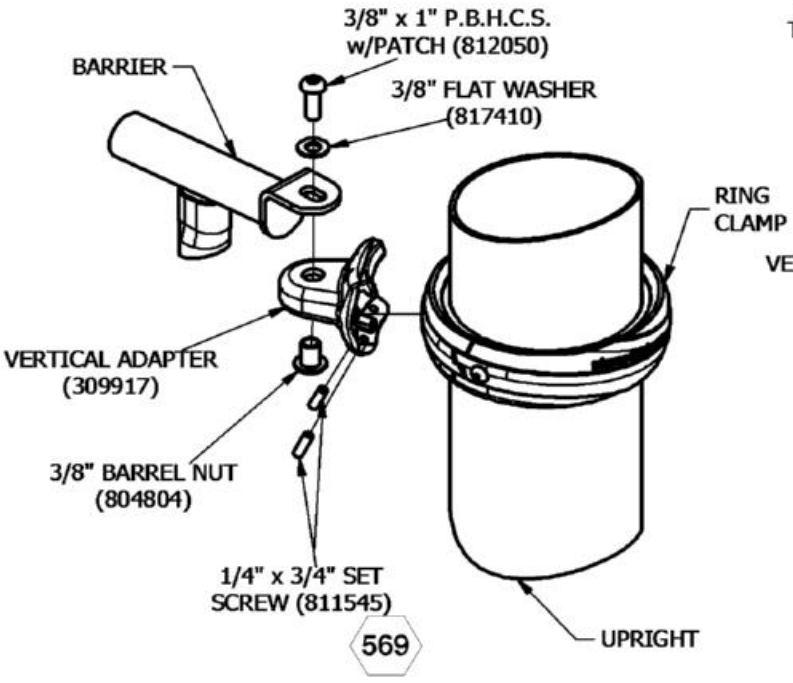
Issued/Revised: 12/11/2024

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

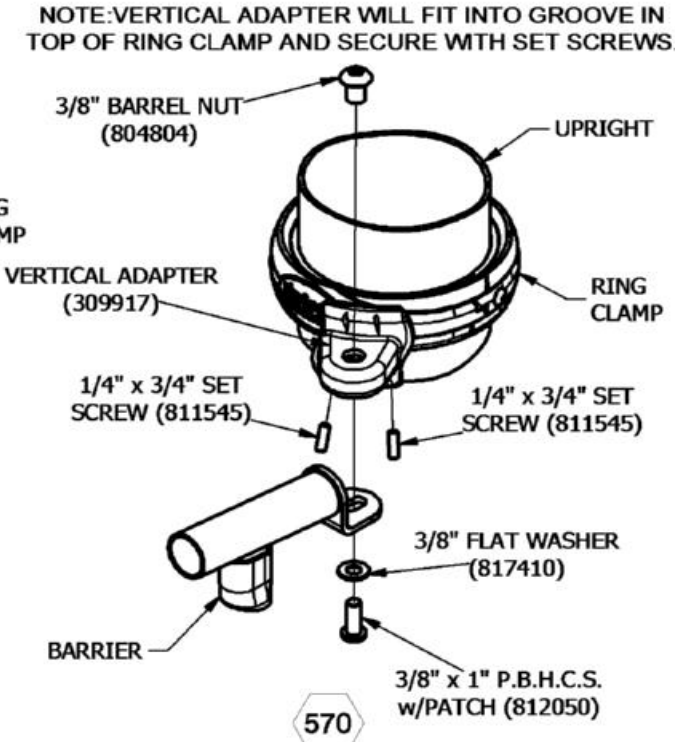
# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A
# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B
# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C
# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D

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

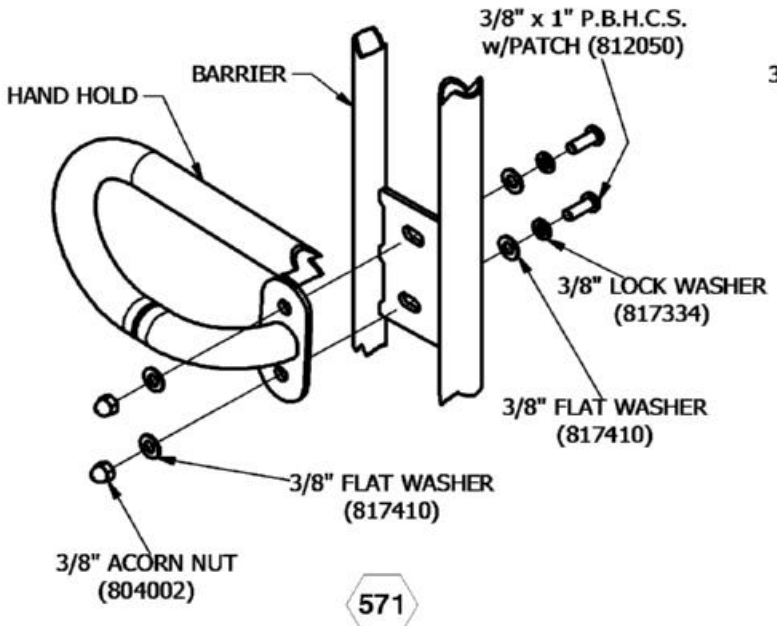



569

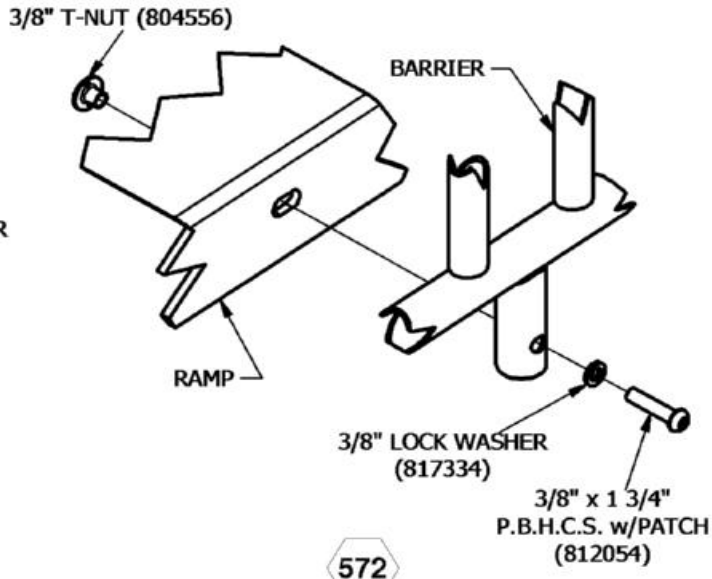
NOTE:VERTICAL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.



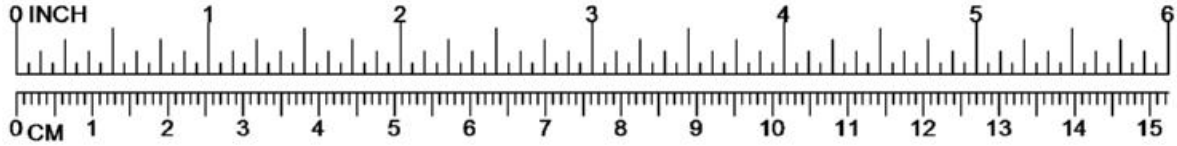

570



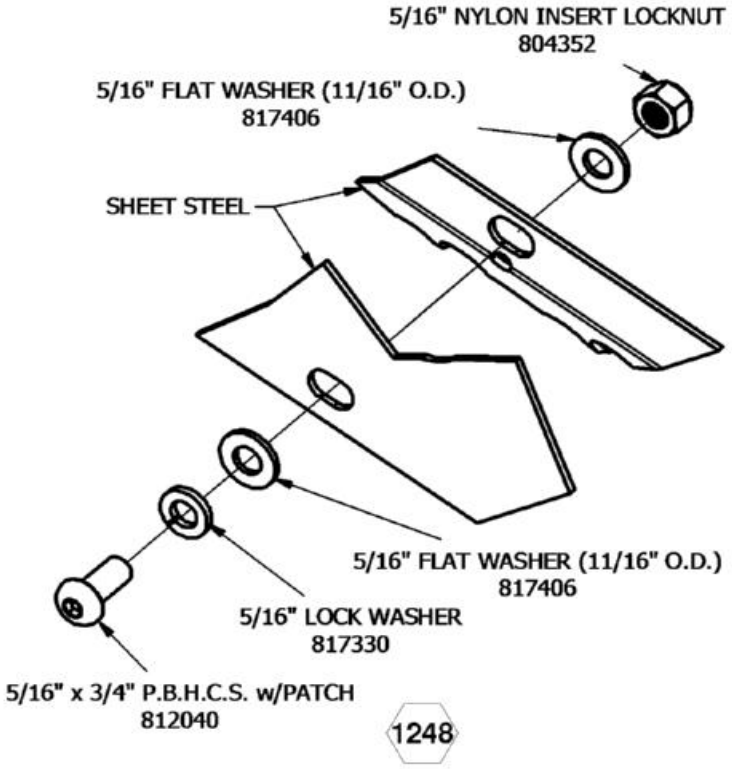

571




572




# 72200 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK A
# 72236 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK B
# 72237 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK C
# 72238 INLAY RAMP (8' SPAN 8" RISE) GROUND TO DECK D



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

# 72226 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" A
# 72239 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" B
# 72240 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" C

| Parts List | | | | |
|---|---|---|---|---|
| DESCRIPTION | 72226 | 72239 | 72240 | PART NUMBER |
| HOURGLASS SENSOR RAMP ASSEMBLY | 0 | 0 | 1 | 7368 |
| 20" BELL SENSOR RAMP ASSEMBLY | 1 | 0 | 0 | 7369 |
| HYPNETIC SENSOR RAMP ASSEMBLY | 0 | 1 | 0 | 7370 |
| 12" BELL SENSOR RAMP ASSEMBLY | 0 | 1 | 0 | 7372 |
| TOPOGRAPHIC SENSOR RAMP ASSEMBLY | 1 | 0 | 0 | 7373 |
| WINDOW PANEL SENSOR RAMP ASSEMBLY | 1 | 1 | 1 | 7376 |
| 12" ROLLER BALLS SENSOR RAMP ASSEMBLY | 0 | 0 | 1 | 7377 |
| HAND HOLD | 1 | 1 | 1 | 176725 |
| VERTICAL ADAPTER | 2 | 2 | 2 | 309917 |
| 8' RAMP INLAY BARRIER WELDMENT | 1 | 1 | 1 | 317250 |
| 8' SENSORY RAMP SIDE BOTTOM GROUND TO 8" | 1 | 1 | 1 | 317285 |
| 8' SENSORY RAMP SIDE TOP GROUND TO 8" | 1 | 1 | 1 | 317287 |
| ***HARDWARE COMPLETE*** | 1 | 1 | 1 | 317458 |
| 1/4" x 3/4" SET SCREW | 4 | 4 | 4 | 811545 |
| 5/16" x 3/4" P.B.H.C.S. w/PATCH | 28 | 28 | 28 | 812040 |
| 5/16" LOCK WASHER | 28 | 28 | 28 | 817330 |
| 5/16" FLAT WASHER (11/16" O.D.) | 56 | 56 | 56 | 817406 |
| 5/16" NYLON INSERT LOCKNUT | 28 | 28 | 28 | 804352 |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 8 | 8 | 8 | 812050 |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 3 | 3 | 3 | 812054 |
| 3/8" LOCK WASHER | 9 | 9 | 9 | 817334 |
| 3/8" FLAT WASHER | 8 | 8 | 8 | 817410 |
| 3/8" T-NUT | 3 | 3 | 3 | 804556 |
| 3/8" ACORN NUT | 6 | 6 | 6 | 804002 |
| 3/8" BARREL NUT | 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.***

# 72226 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" A
# 72239 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" B
# 72240 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" C

## INSTALLATION INSTRUCTIONS:

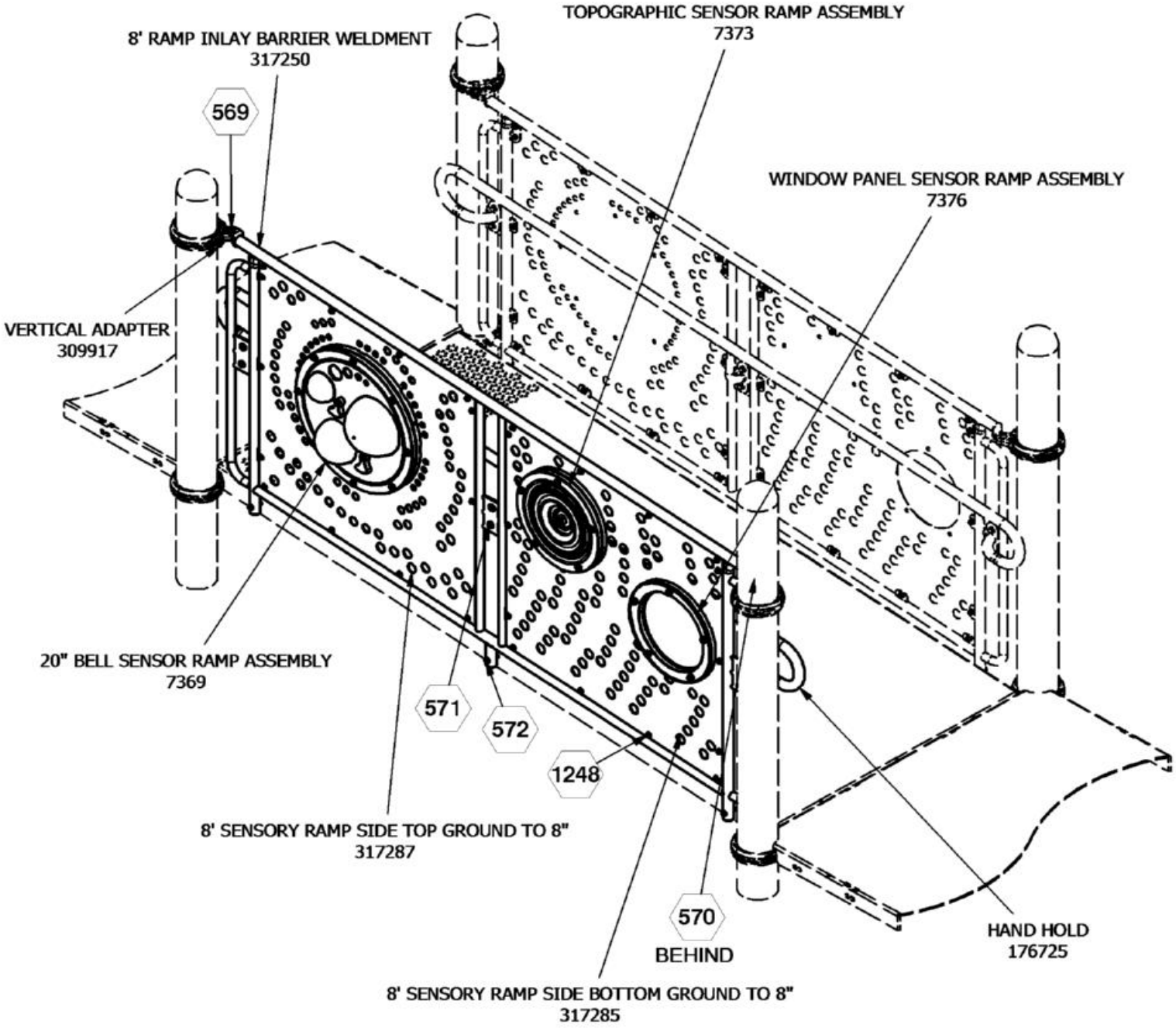
1. Determine which ramp barrier is to receive which ramp Sensor Package. Refer to order Top View.
2. Attach the Sensor Ramp Side Top and Bottom to the Inlay Barrier Weldment. See Detail 1248.
3. Attach top of the Barrier to the existing Ring Clamps using Vertical Adapters. See Details 569 & 570.
4. Attach 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

# 72226 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" A




= INSTALLATION DETAIL

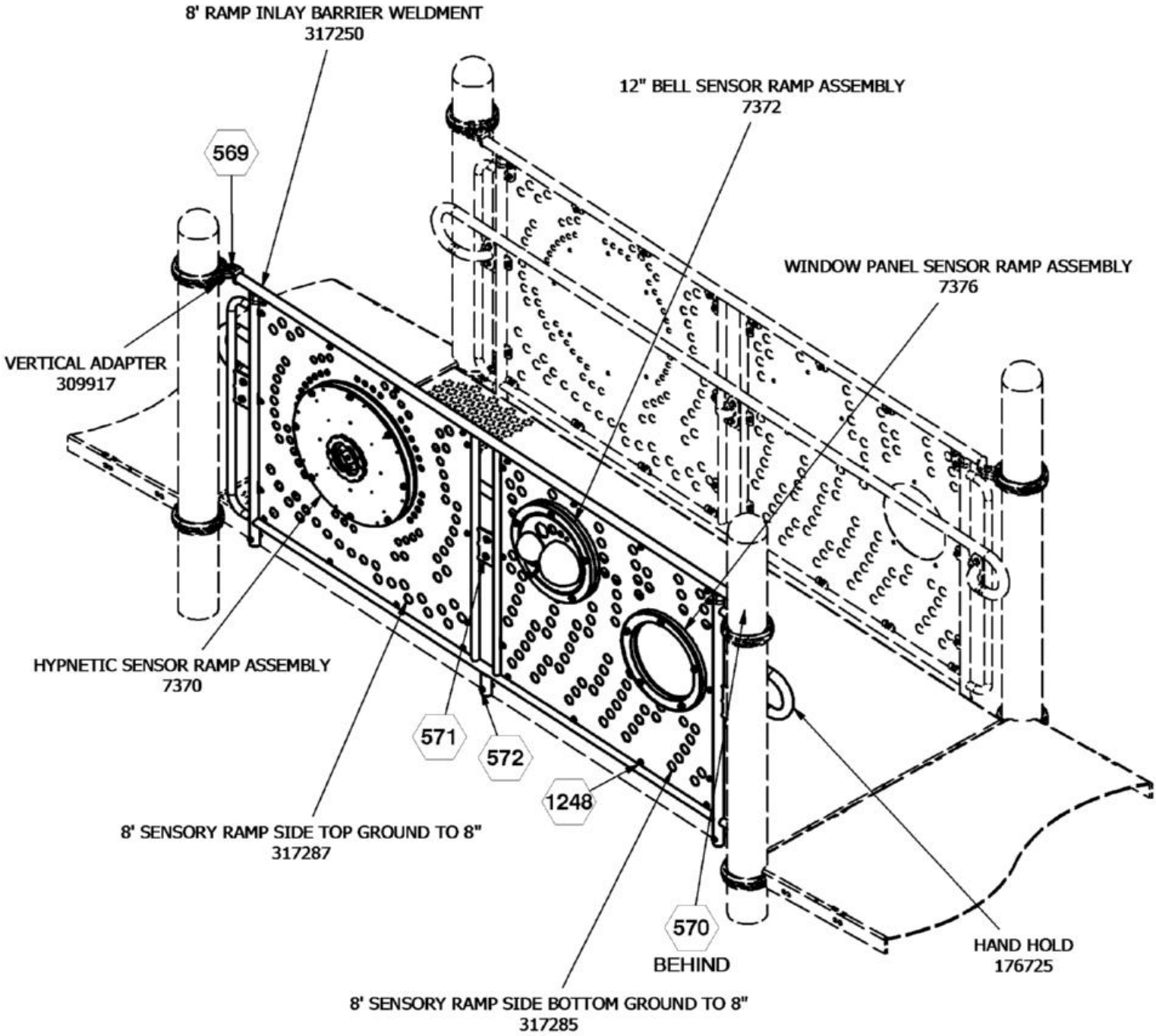
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 12/11/2024

***FINISHED ASSEMBLY***

SuperMax Play Systems

# 72239 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" B




= INSTALLATION DETAIL

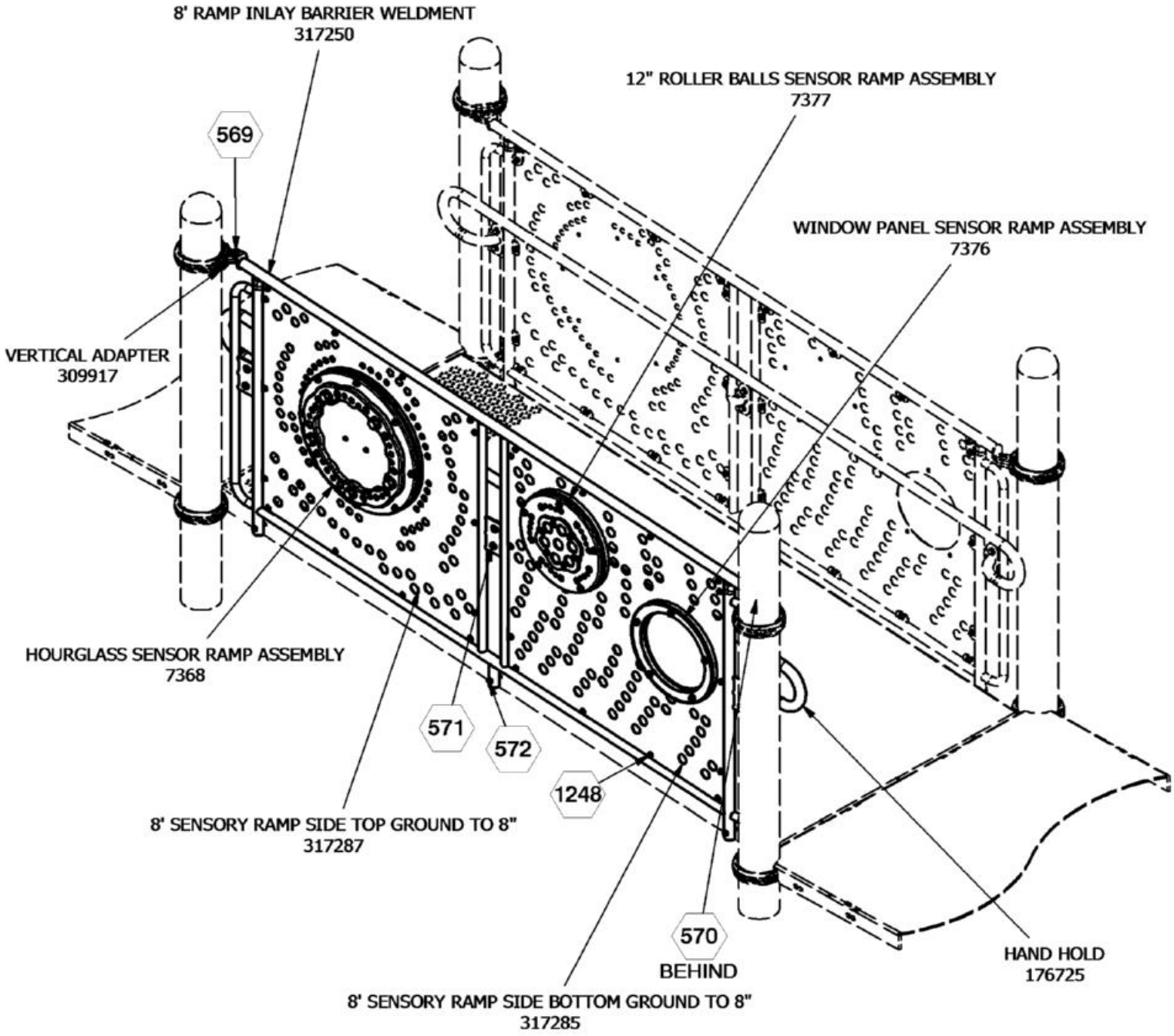
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 12/11/2024

***FINISHED ASSEMBLY***

SuperMax Play Systems

# 72240 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" C




= INSTALLATION DETAIL

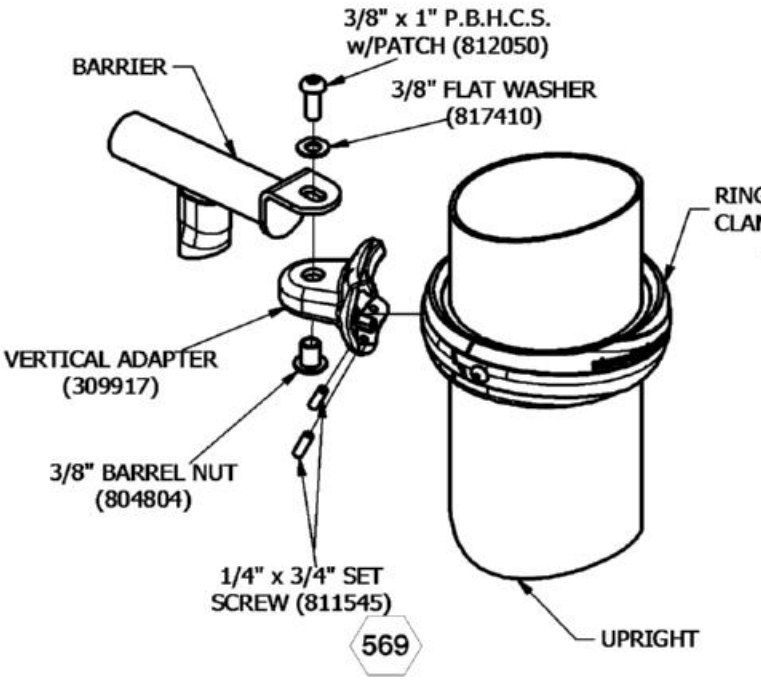
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 12/11/2024

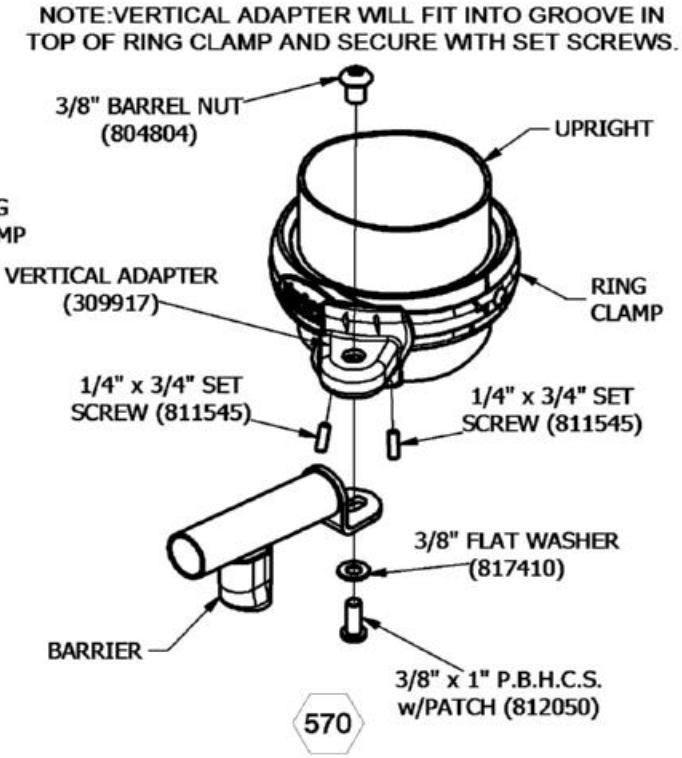
***FINISHED ASSEMBLY***

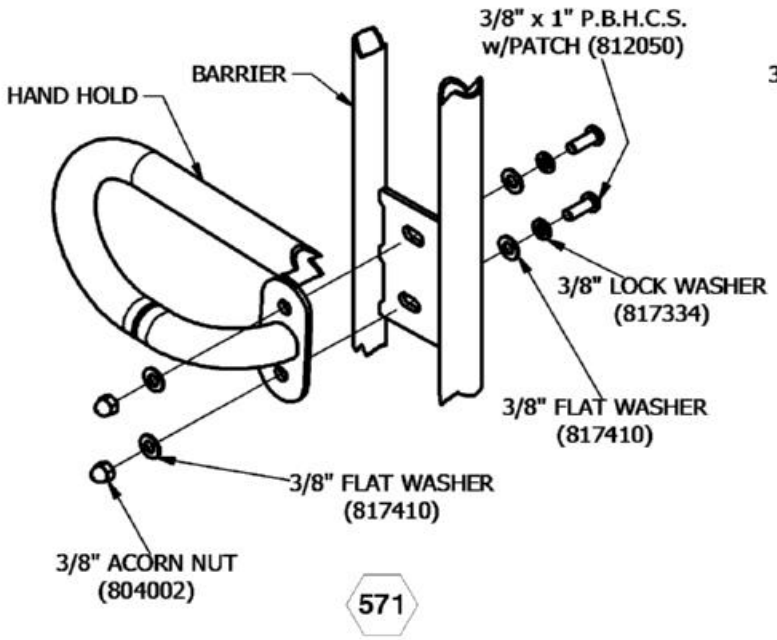
# 72226 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" A
# 72239 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" B
# 72240 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" C

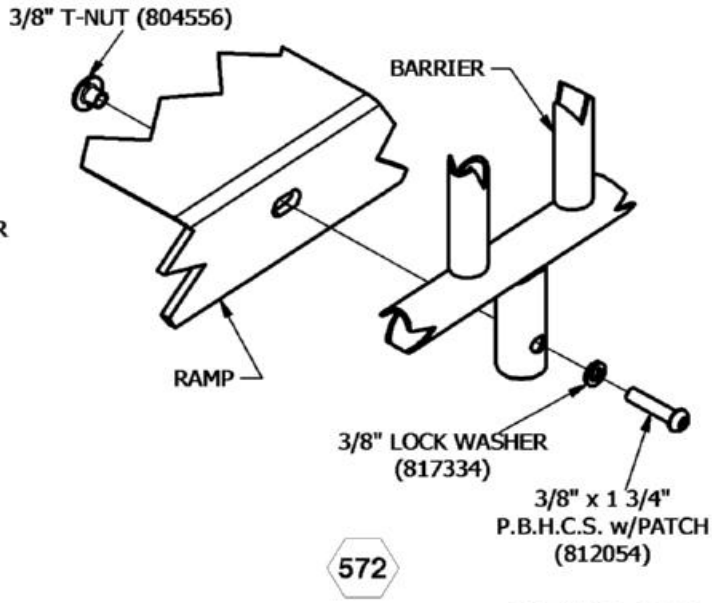
NOTE:VERTICAL ADAPTER WILL FIT INTO GROOVE IN TOP OF RING CLAMP AND SECURE WITH SET SCREWS.




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

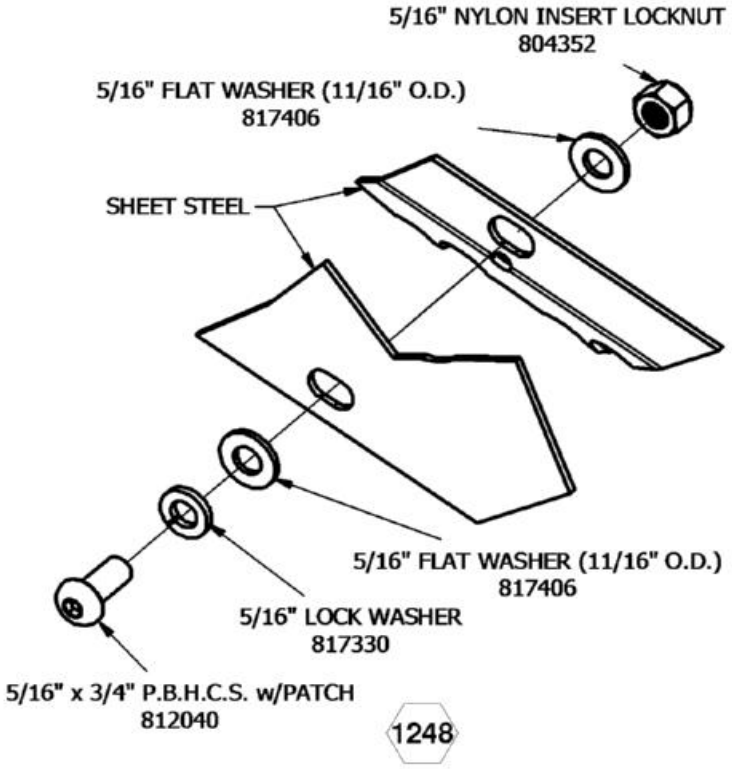



Issued/Revised: **12/11/2024**

# 72226 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" A
# 72239 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" B
# 72240 INLAY RAMP (8' SPAN 8" RISE) 0'-8" TO 1'-4" C



# 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:

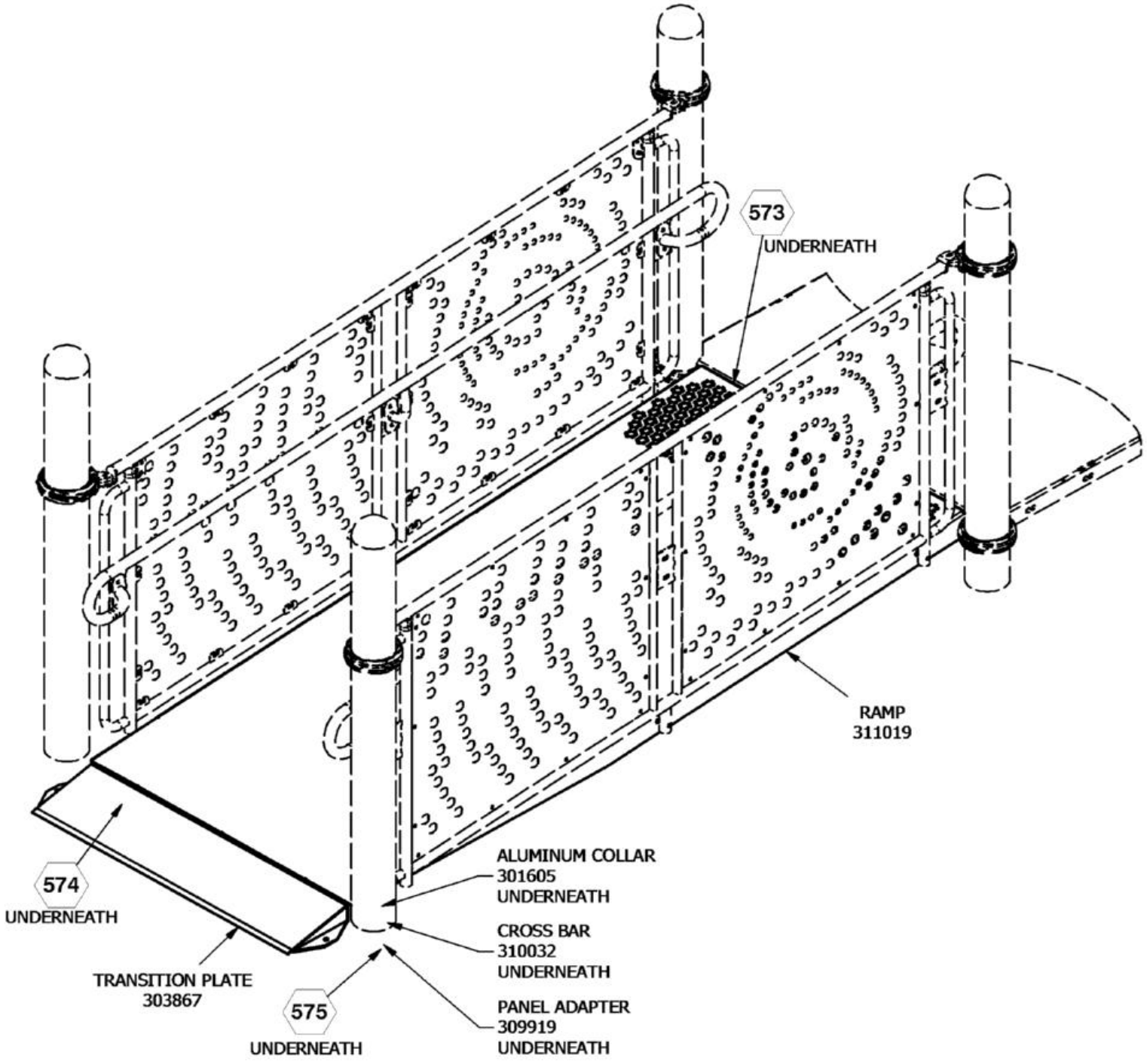
1. Determine which deck(s) are to receive the Ramp, and dig footing holes in locations and depths shown as needed.
2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.
3. For 72246 and 72247, attach ramps together. See Detail 573.
4. For 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

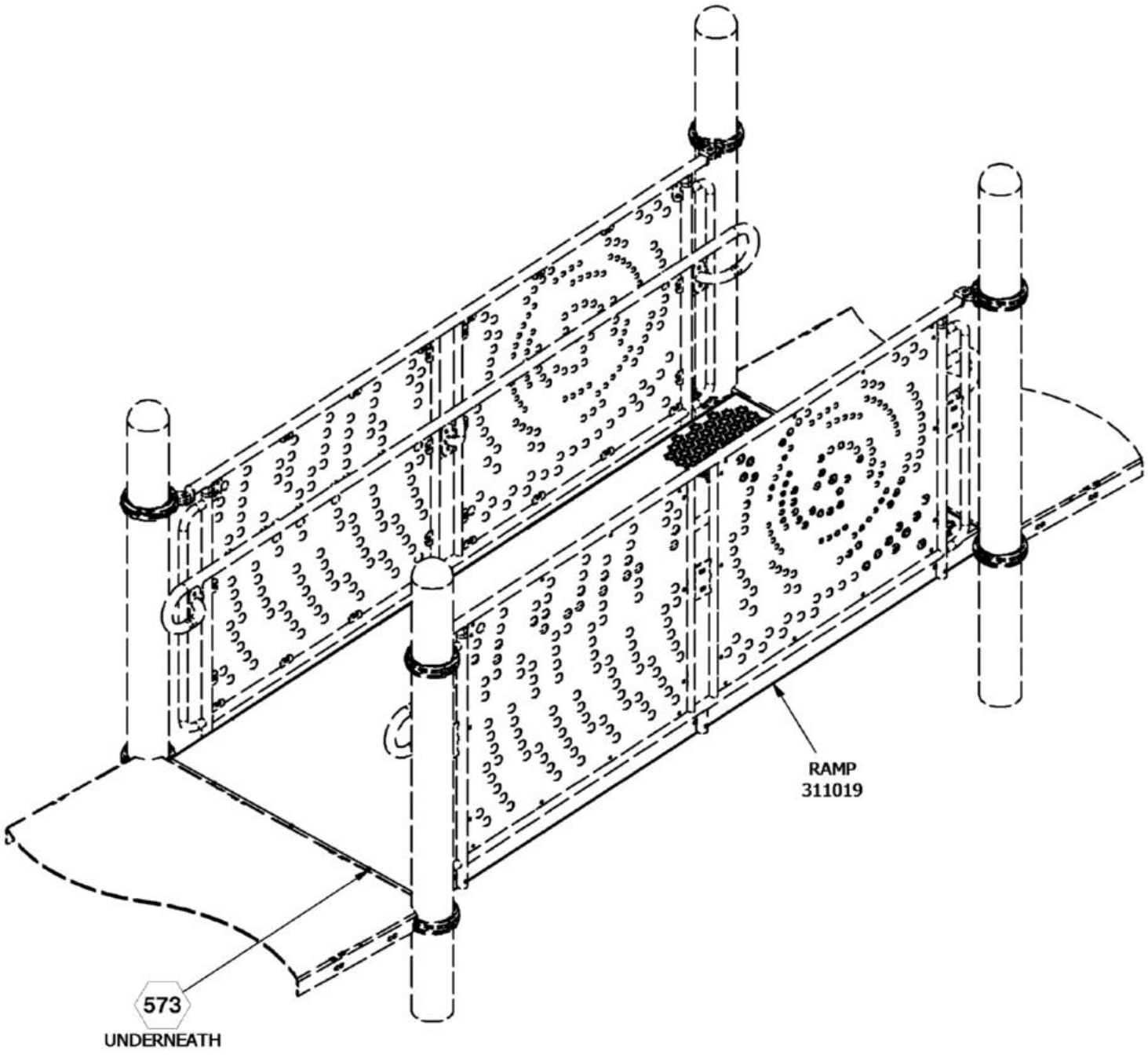
***FINISHED ASSEMBLY***

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

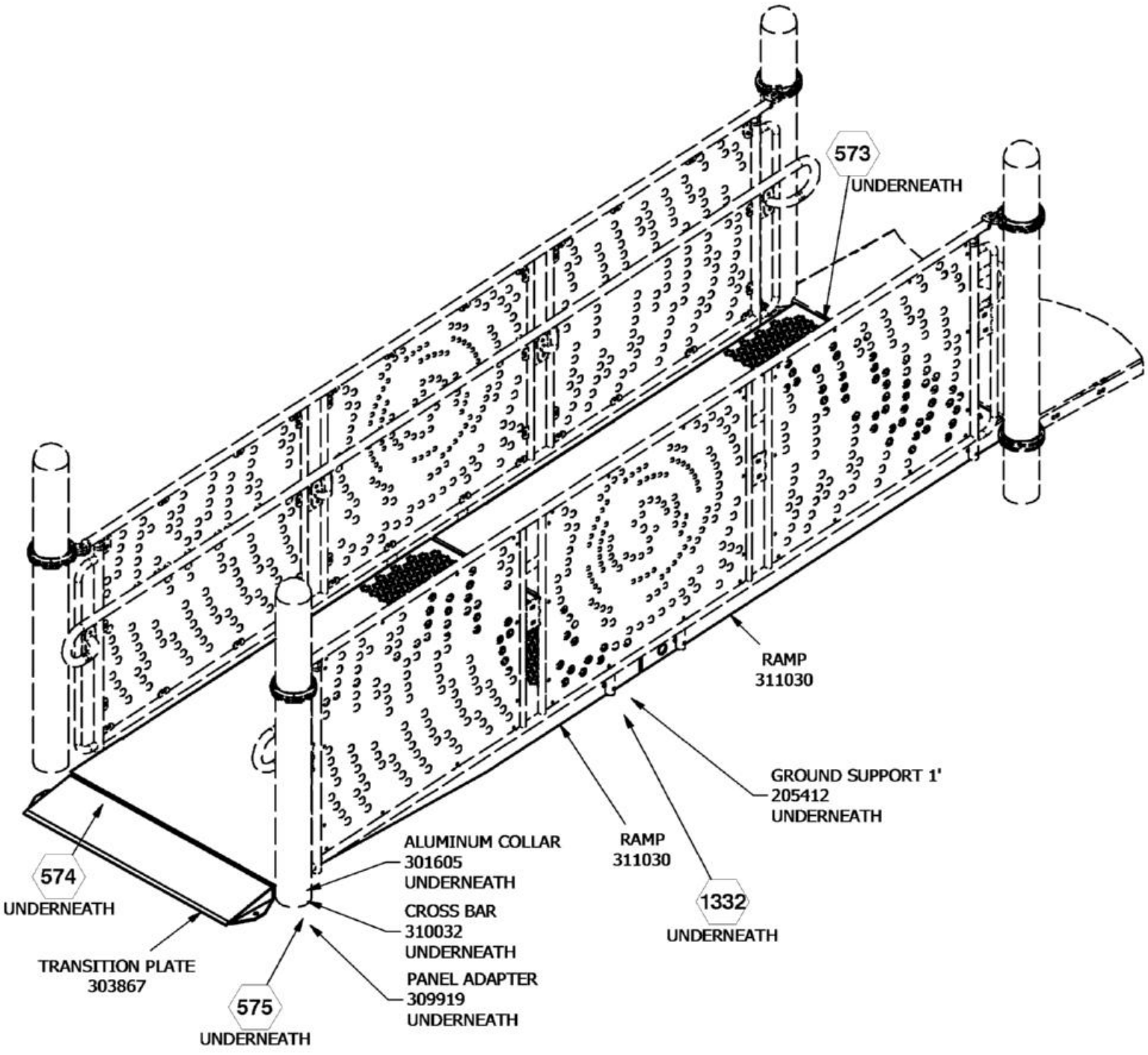
***FINISHED ASSEMBLY***

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

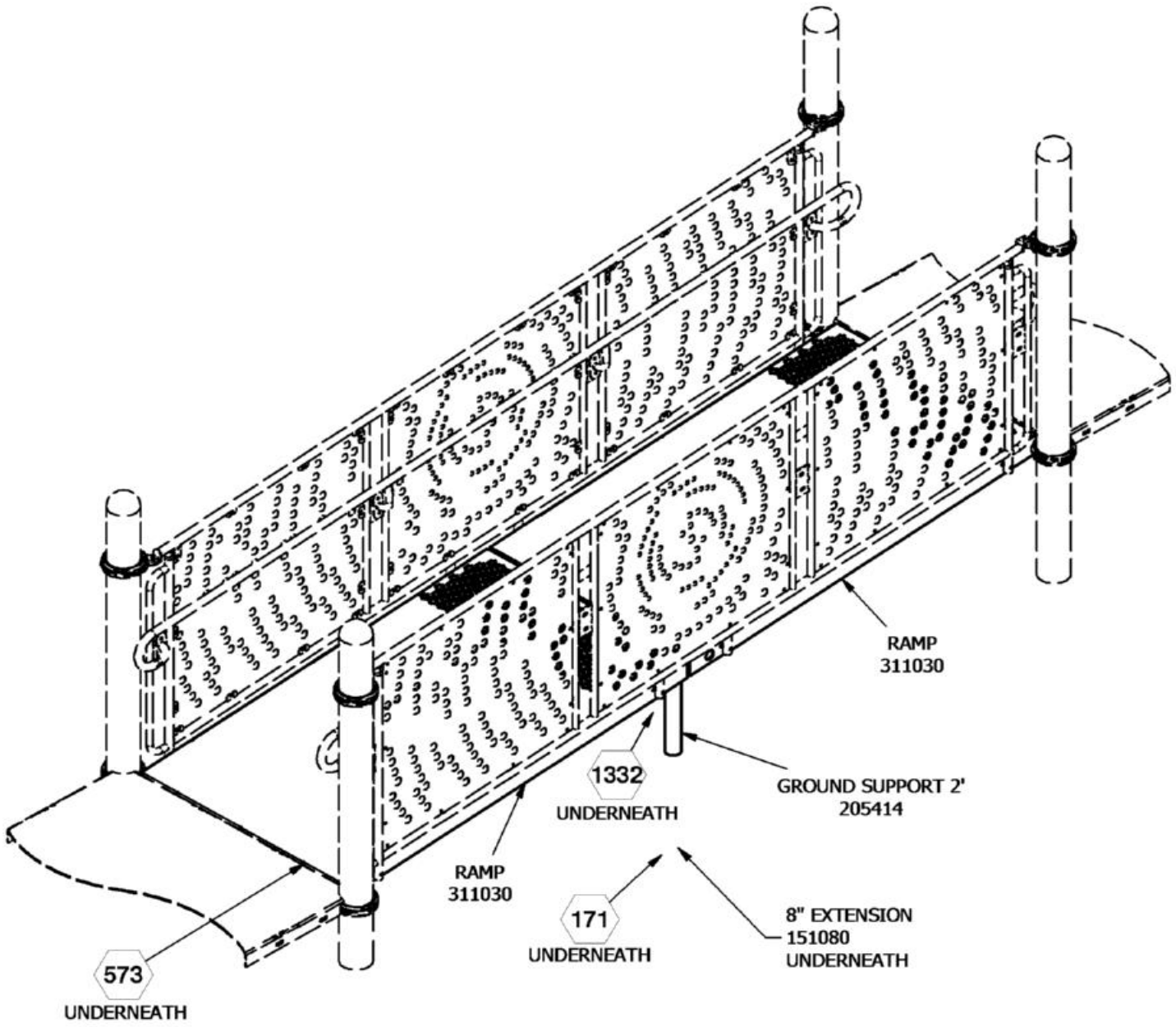
Issued/Revised: 9/19/2024

***FINISHED ASSEMBLY***

72246 SHOWN

SuperMax Play Systems

# 72247 12FT RAMP DECK TO DECK (RAMP ONLY)




⬡ = INSTALLATION DETAIL

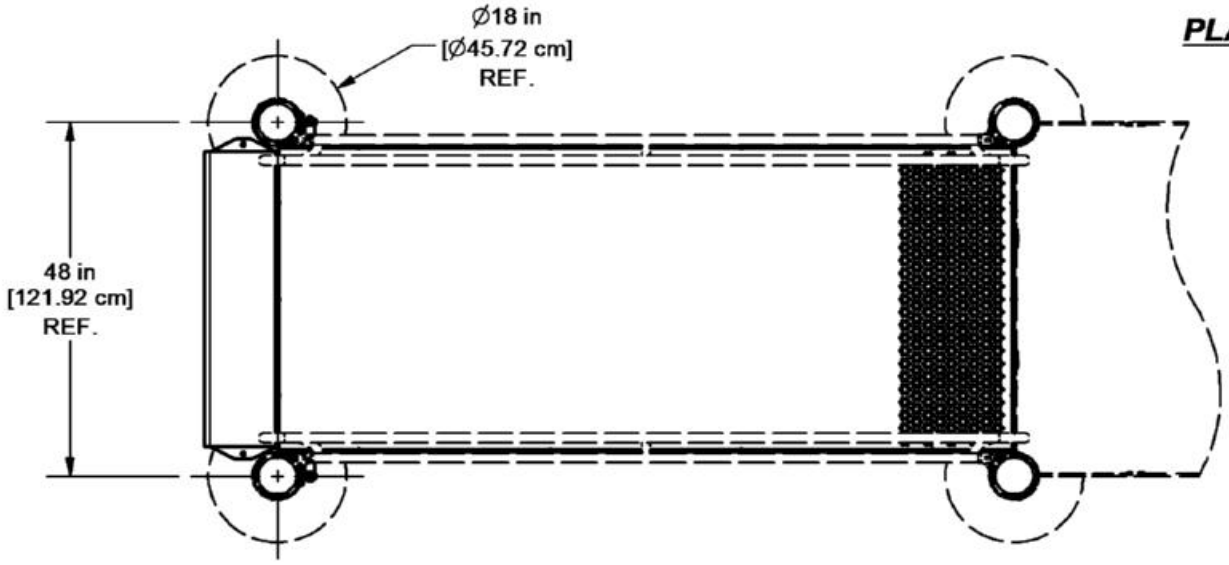
Issued/Revised: 9/19/2024

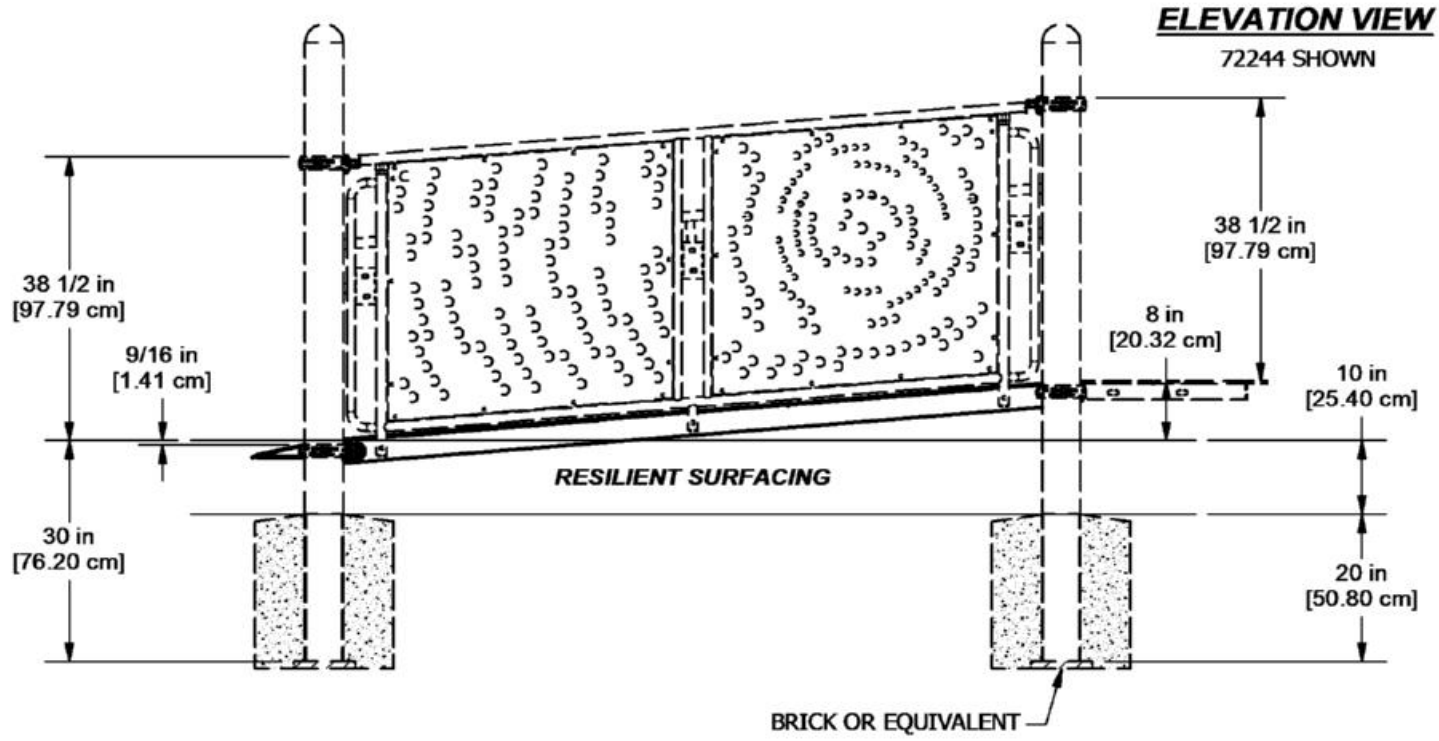
***FINISHED ASSEMBLY***

72247 SHOWN

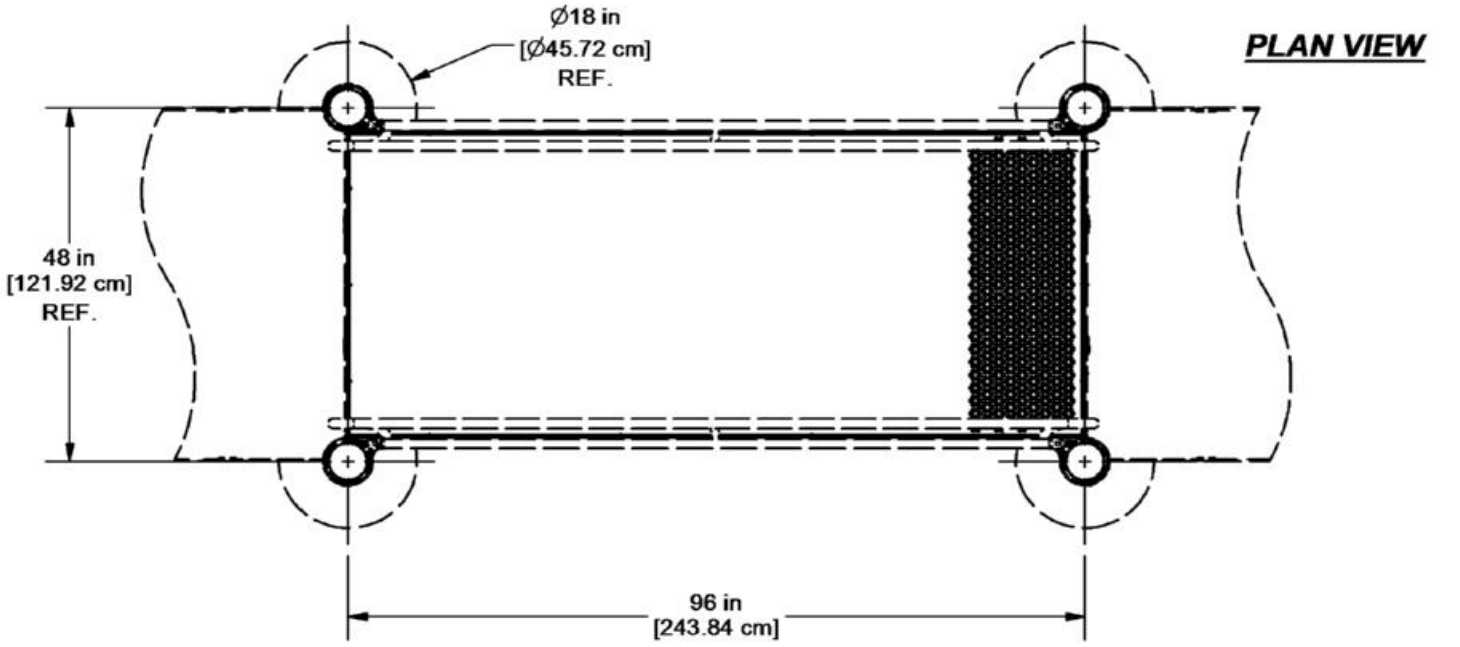
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

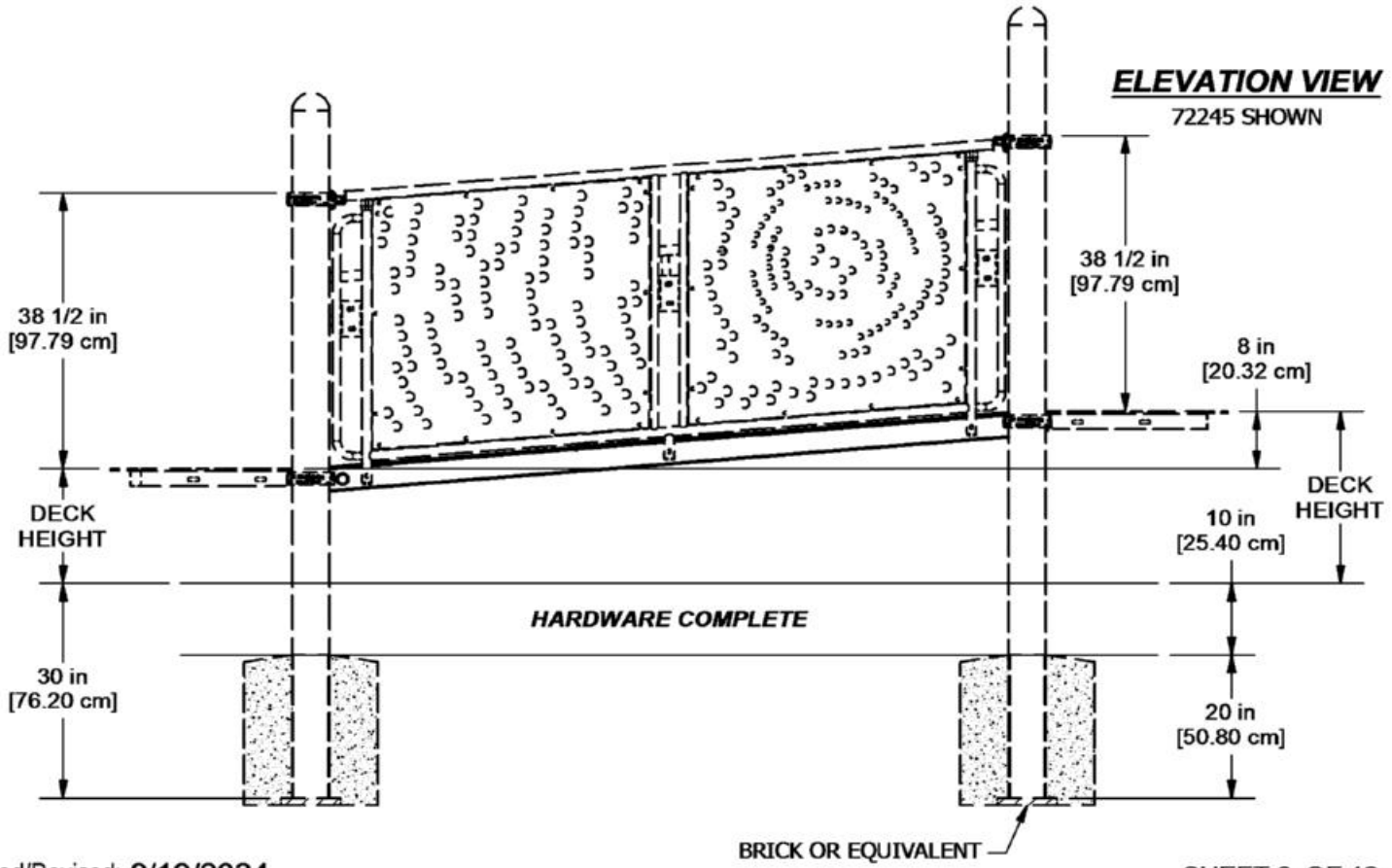
# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY)



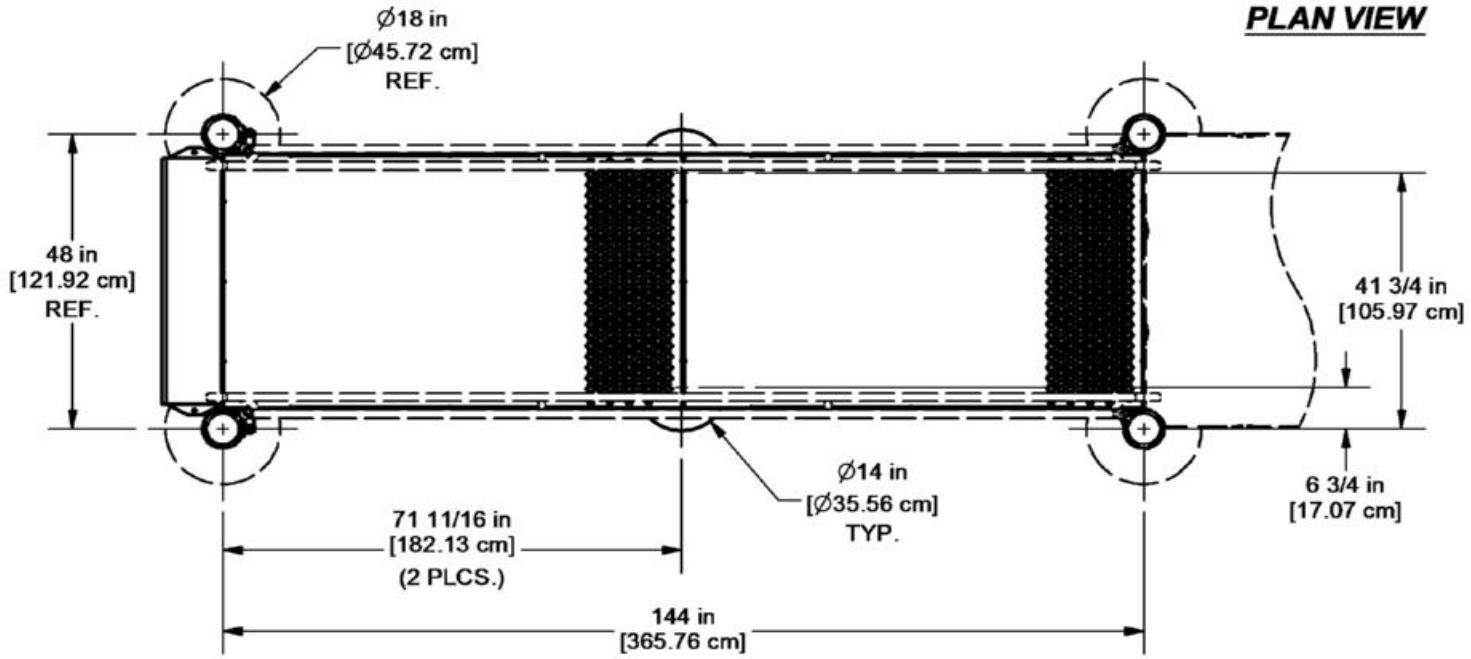
# 72245 8FT RAMP DECK TO DECK (RAMP ONLY)



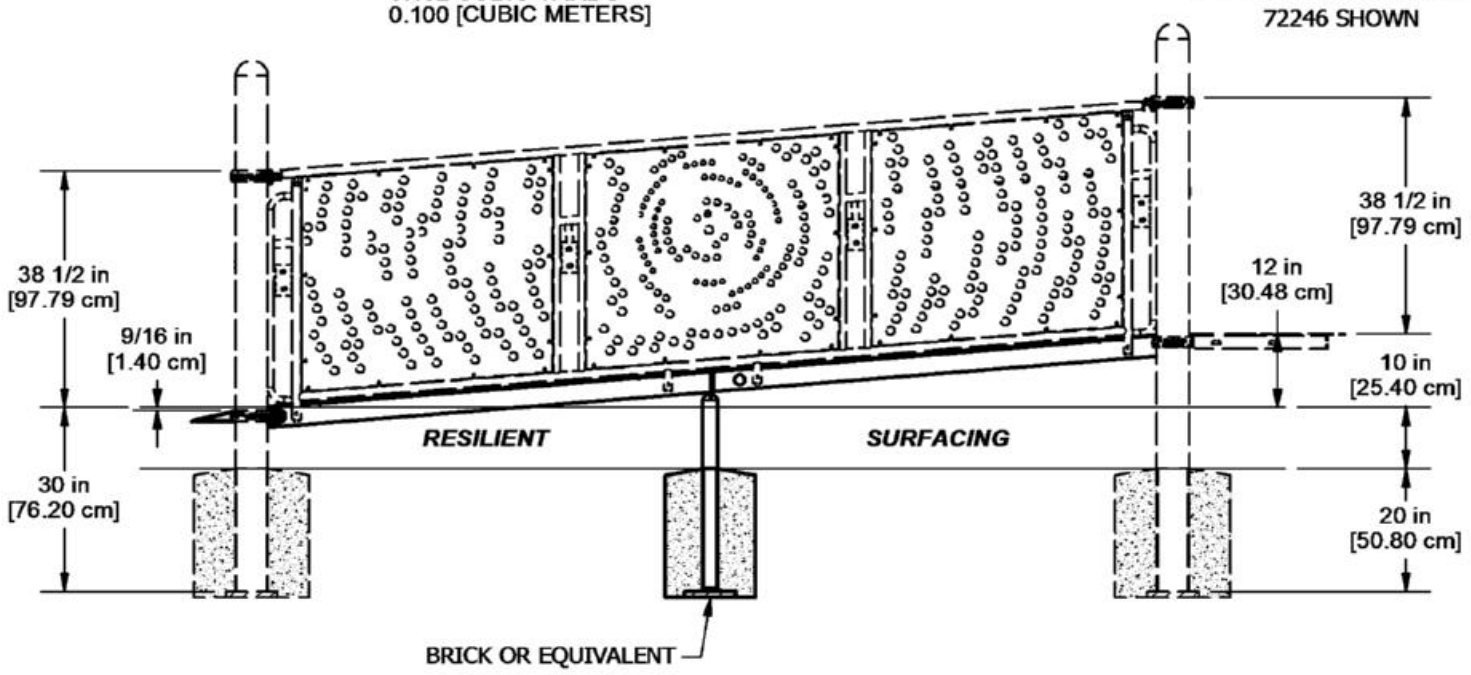
# 72246 12FT RAMP GROUND TO DECK (RAMP ONLY)

**PLAN VIEW**



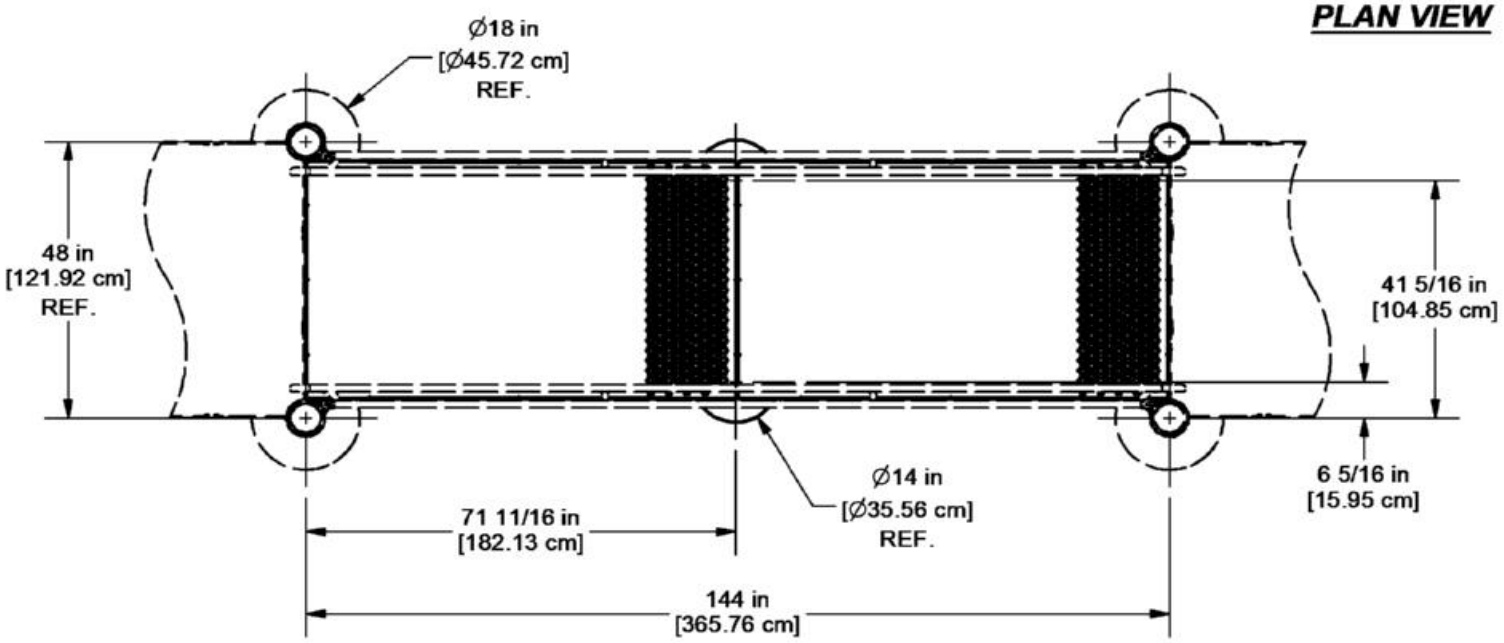

**CONCRETE REQUIRED**
0.132 CUBIC YARDS
0.100 [CUBIC METERS]

**ELEVATION VIEW**
72246 SHOWN



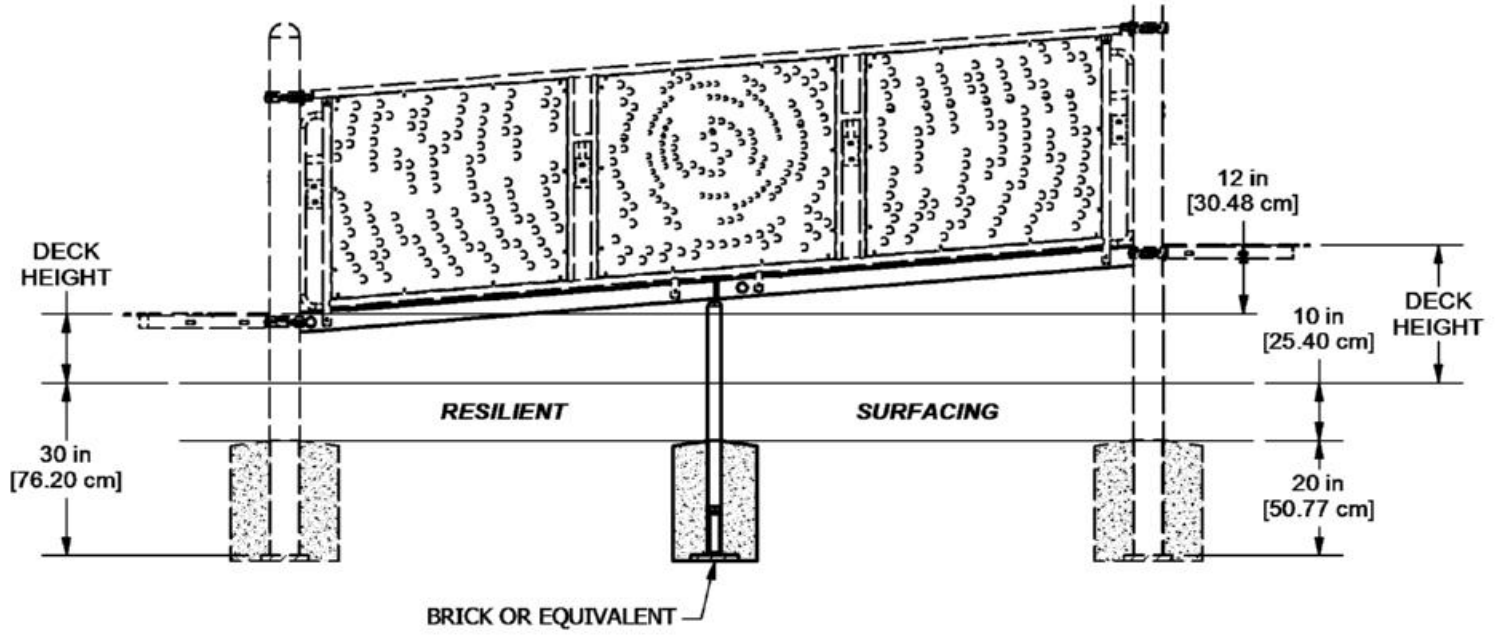
# 72247 12FT RAMP DECK TO DECK (RAMP ONLY)

**PLAN VIEW**

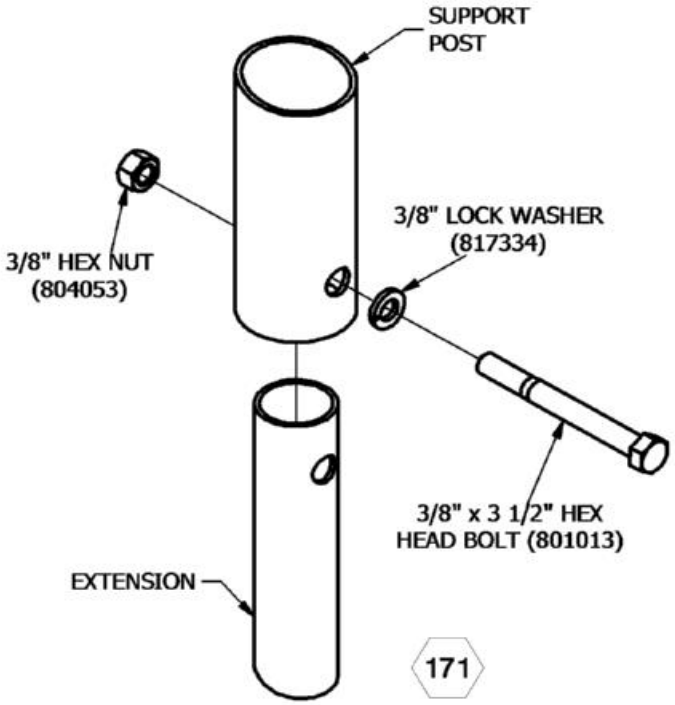



**CONCRETE REQUIRED**
0.132 CUBIC YARDS
0.100 [CUBIC METERS]

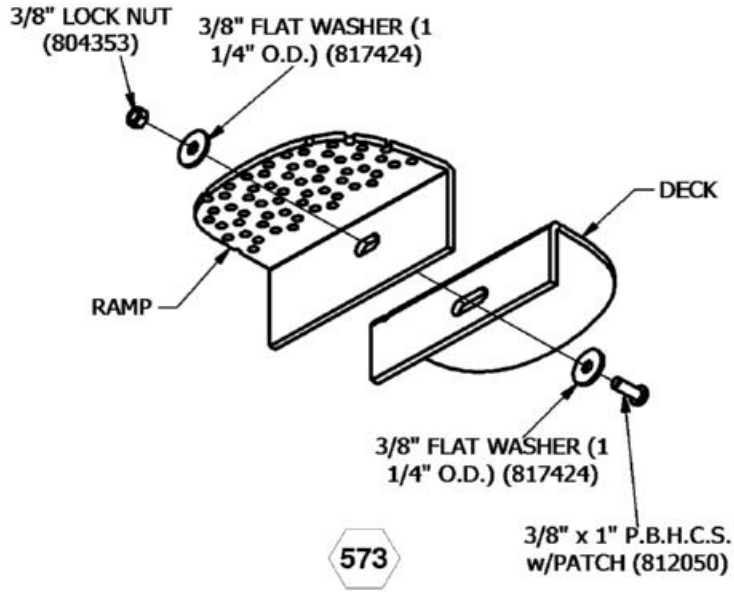
**ELEVATION VIEW**
72247 SHOWN



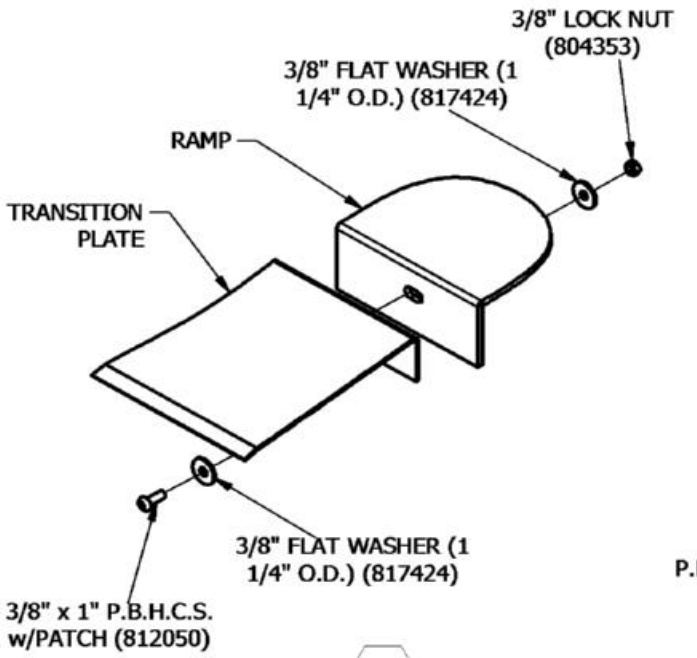
# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY); 72245 8FT RAMP DECK TO DECK (RAMP ONLY); 72246 12FT RAMP GROUND TO DECK (RAMP ONLY); 72247 12FT RAMP DECK TO DECK (RAMP ONLY)



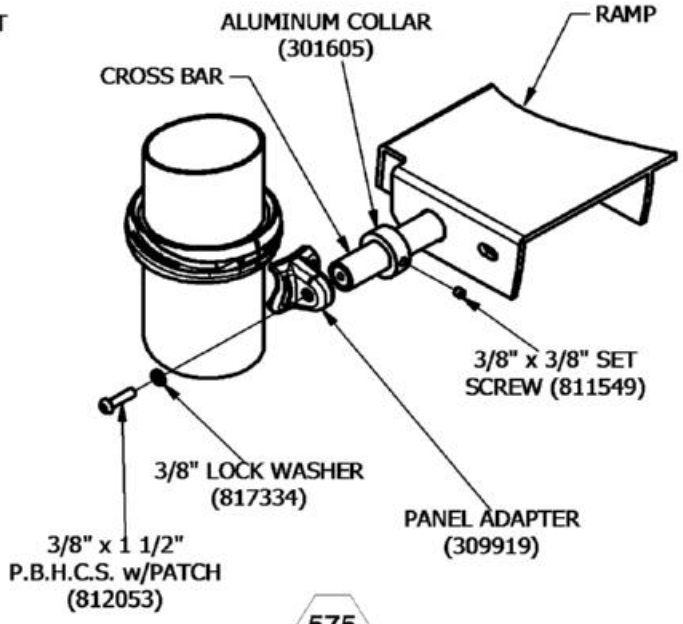

171




573



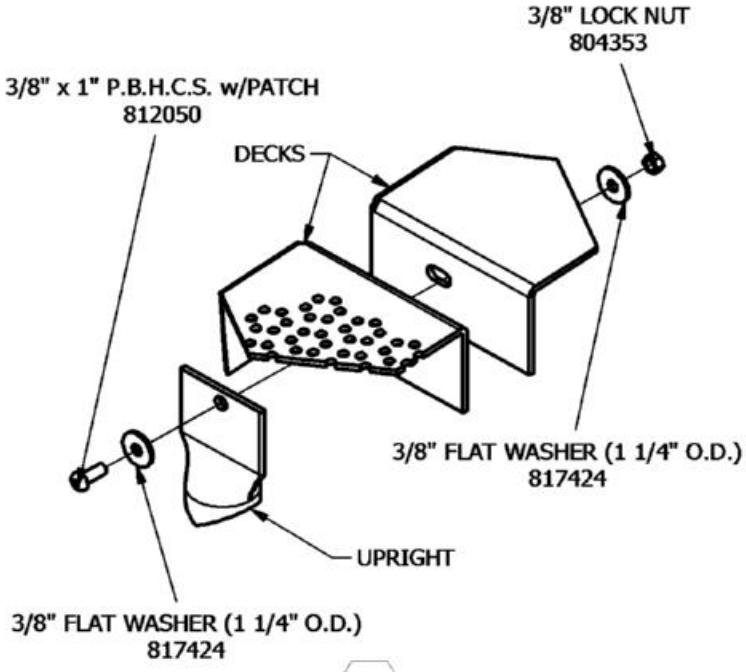

574




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)



# 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:

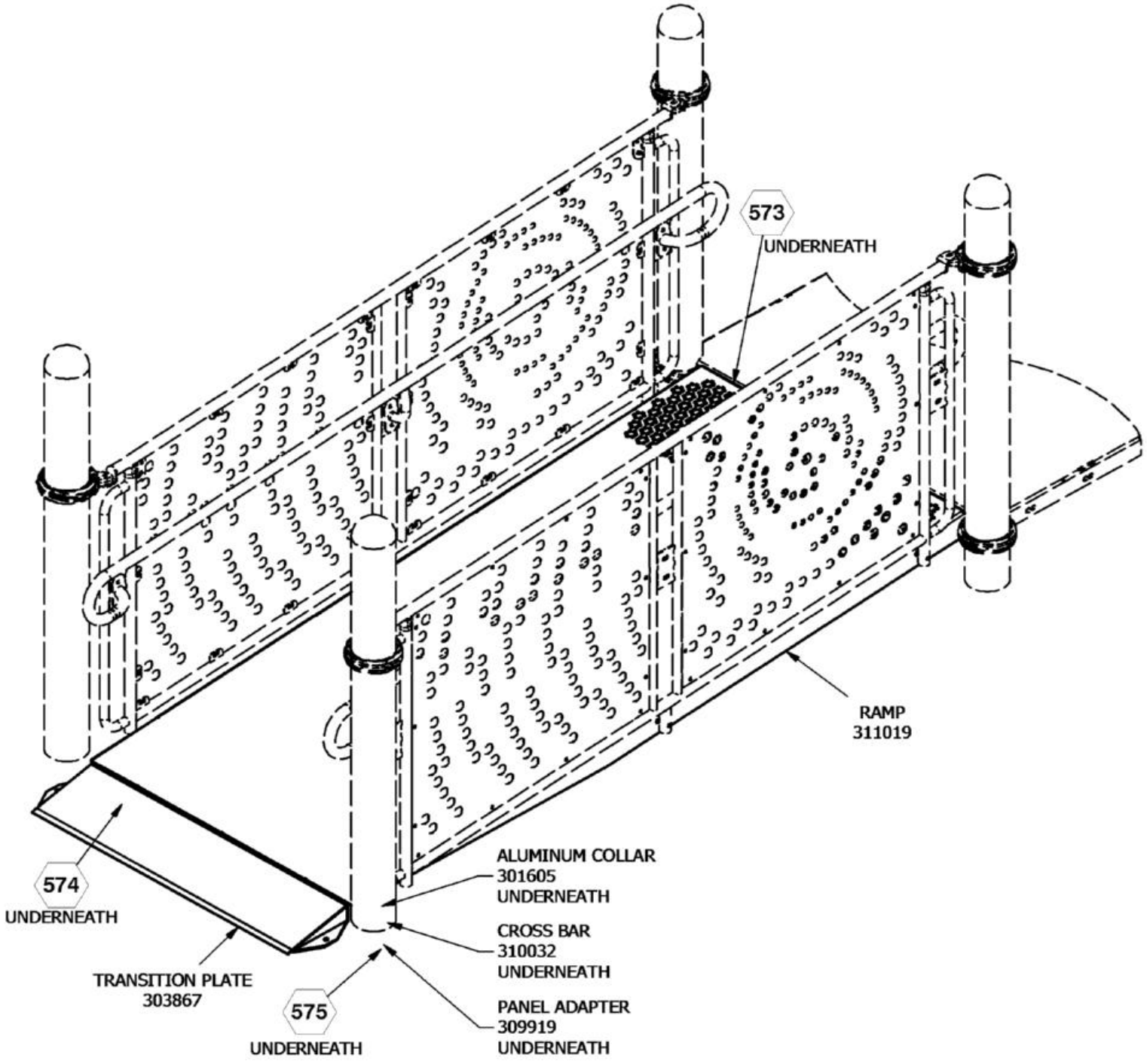
1. Determine which deck(s) are to receive the Ramp, and dig footing holes in locations and depths shown as needed.
2. Loosely attach Ring Clamps to Uprights at noted height using information provided in Ring Clamp Installation Sheet.
3. For 72246 and 72247, attach ramps together. See Detail 573.
4. For 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

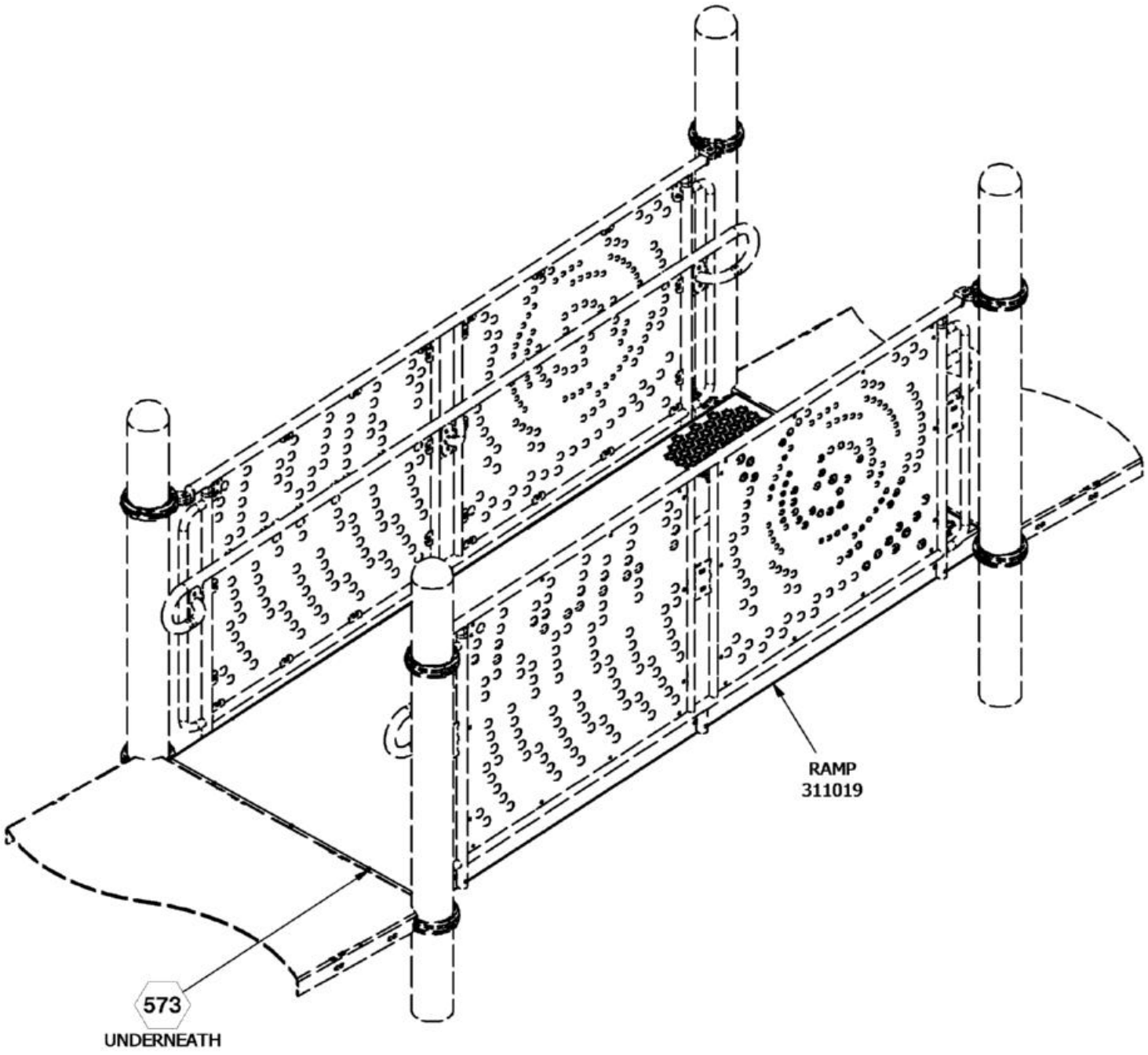
***FINISHED ASSEMBLY***

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

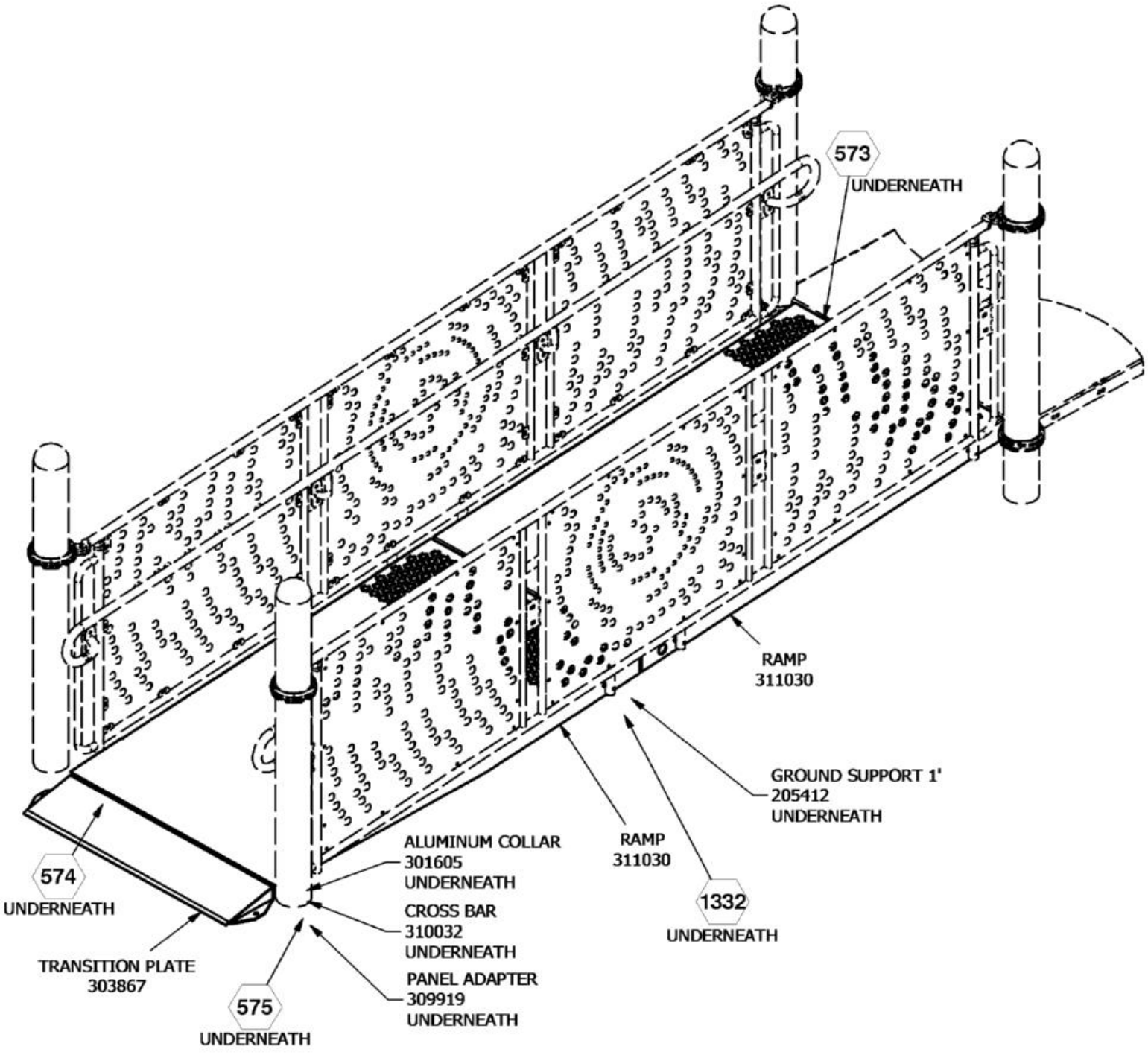
***FINISHED ASSEMBLY***

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

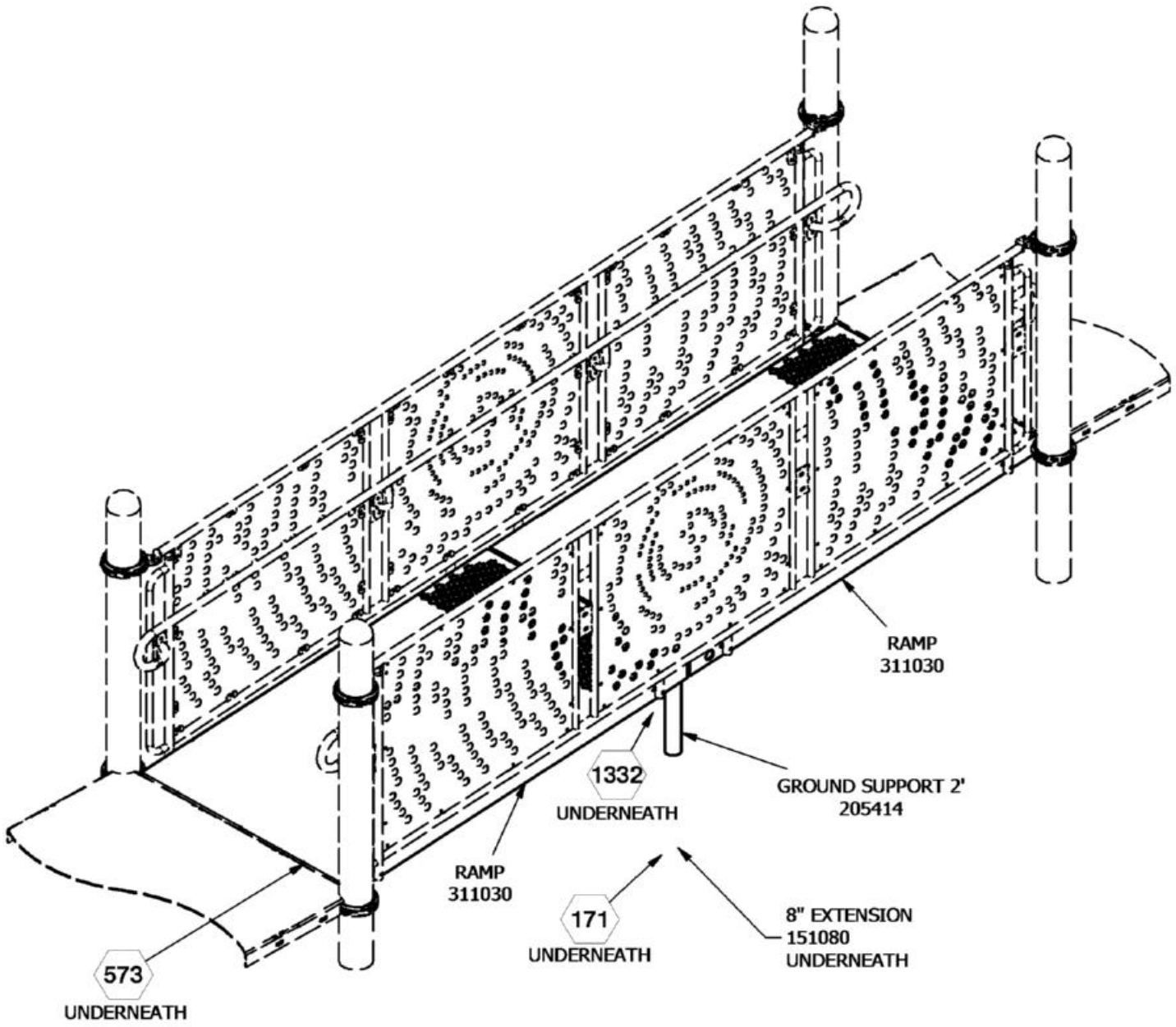
Issued/Revised: 9/19/2024

***FINISHED ASSEMBLY***

72246 SHOWN

SuperMax Play Systems

# 72247 12FT RAMP DECK TO DECK (RAMP ONLY)




⬡ = INSTALLATION DETAIL

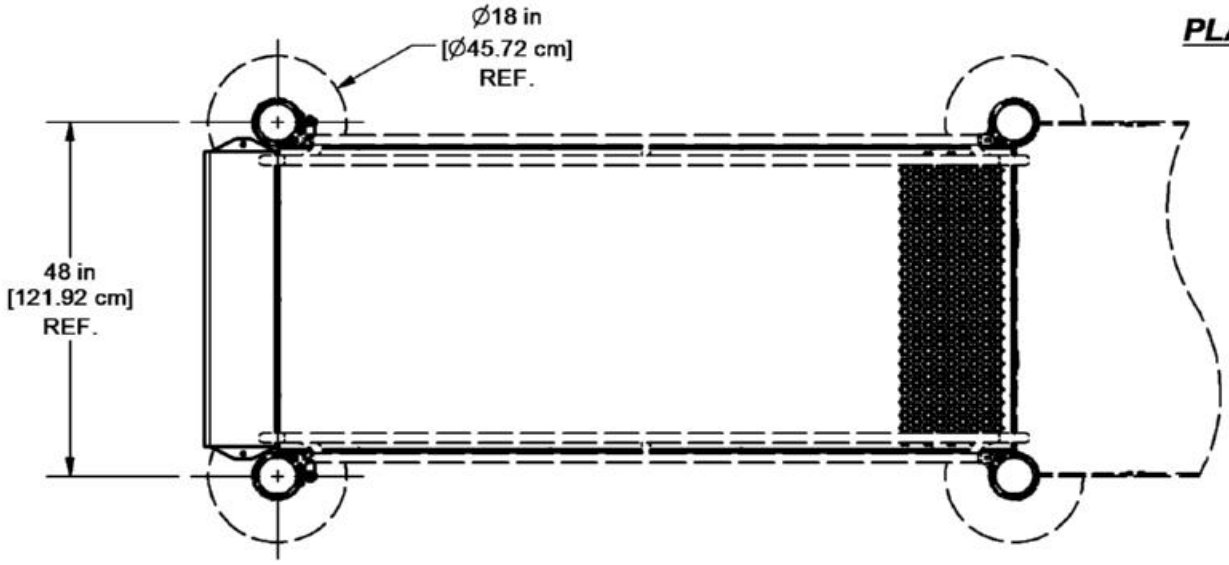
Issued/Revised: 9/19/2024

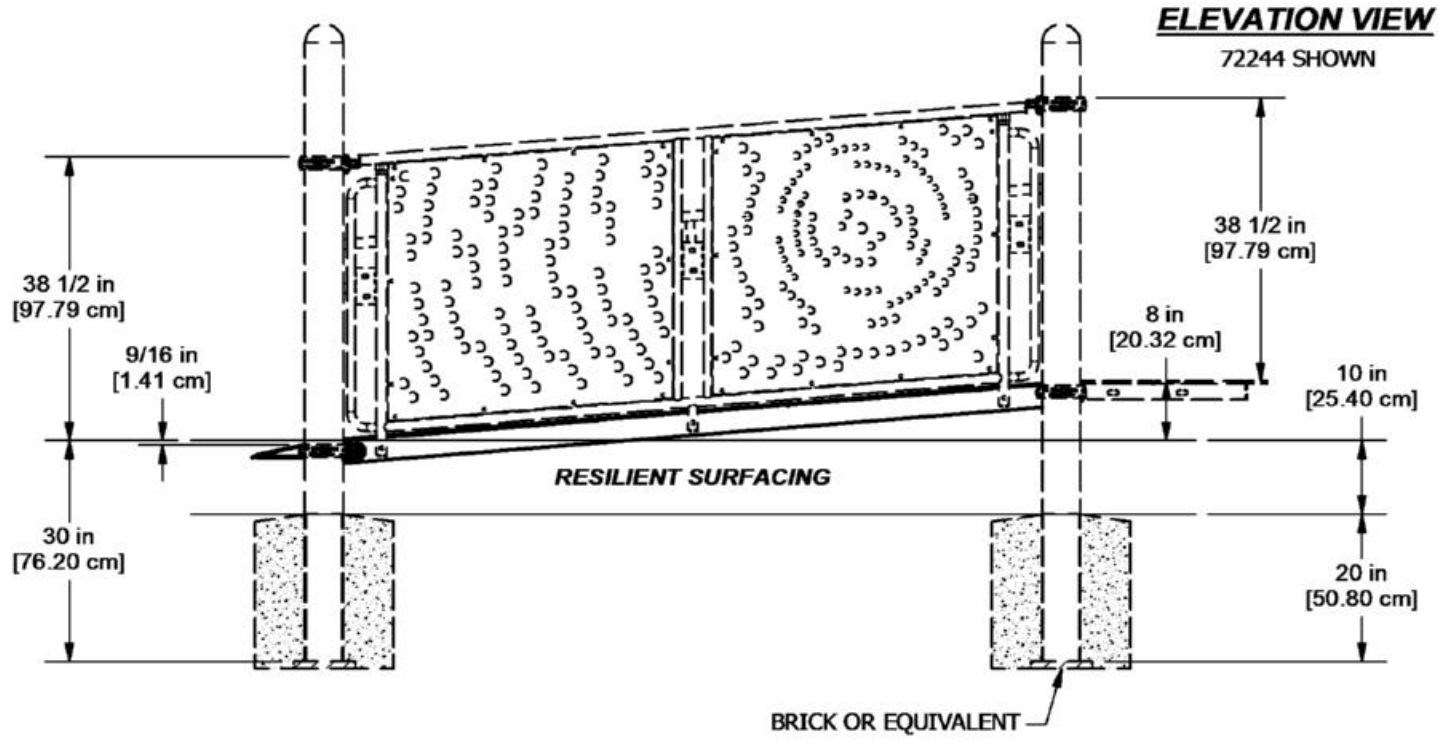
***FINISHED ASSEMBLY***

72247 SHOWN

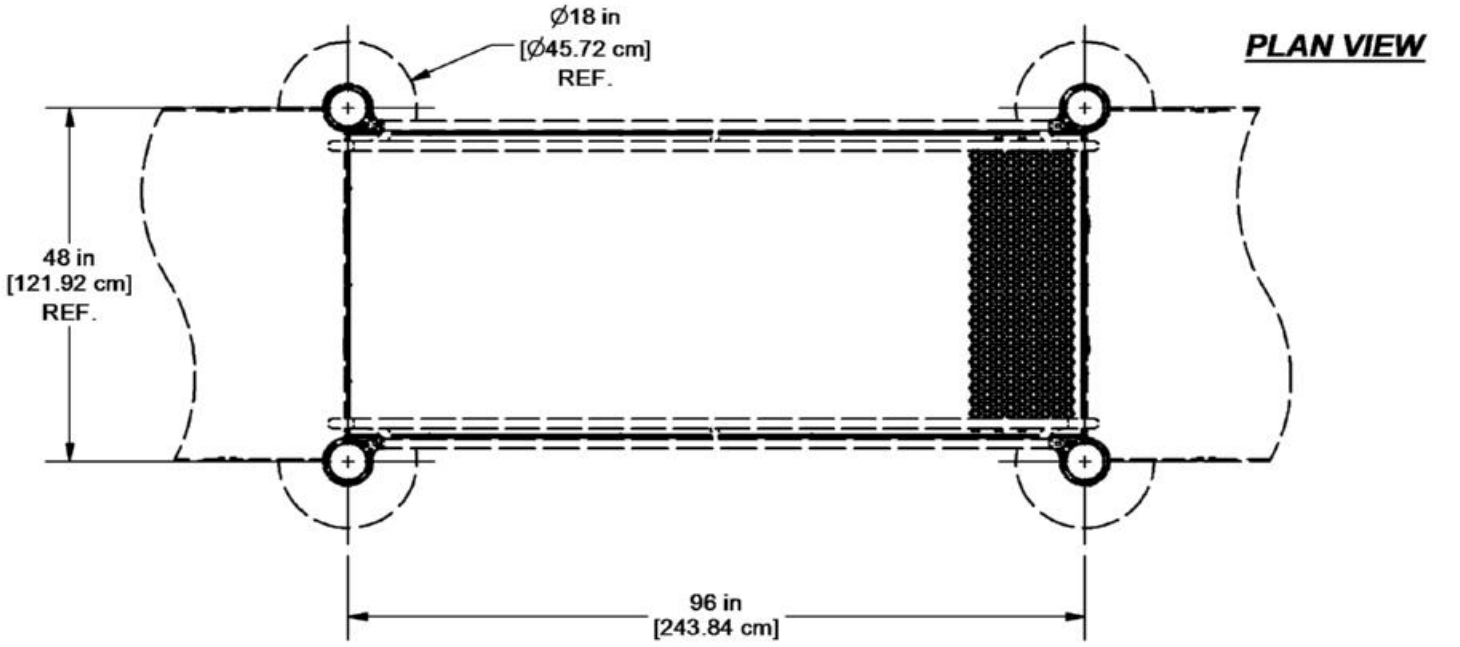
COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

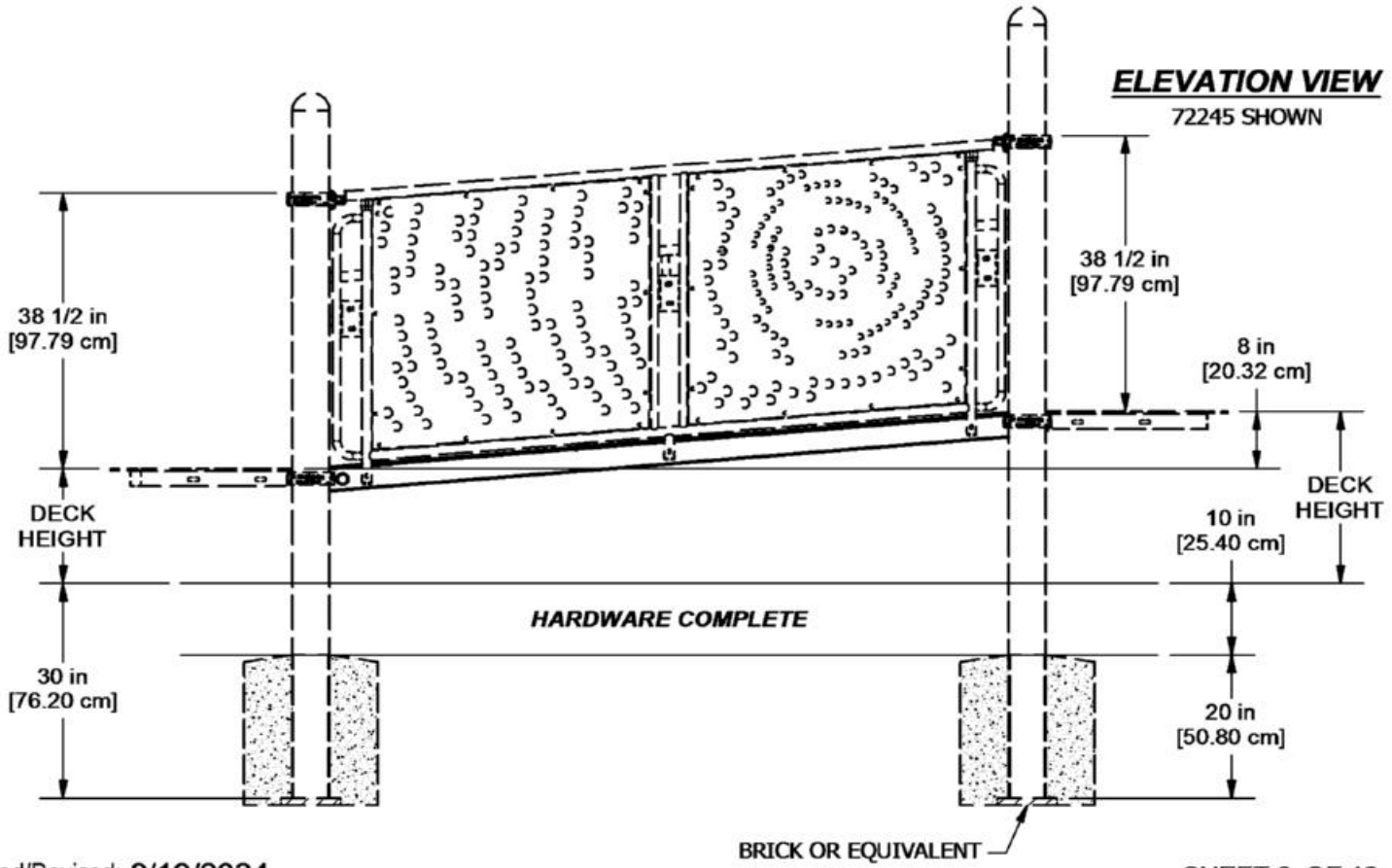
# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY)



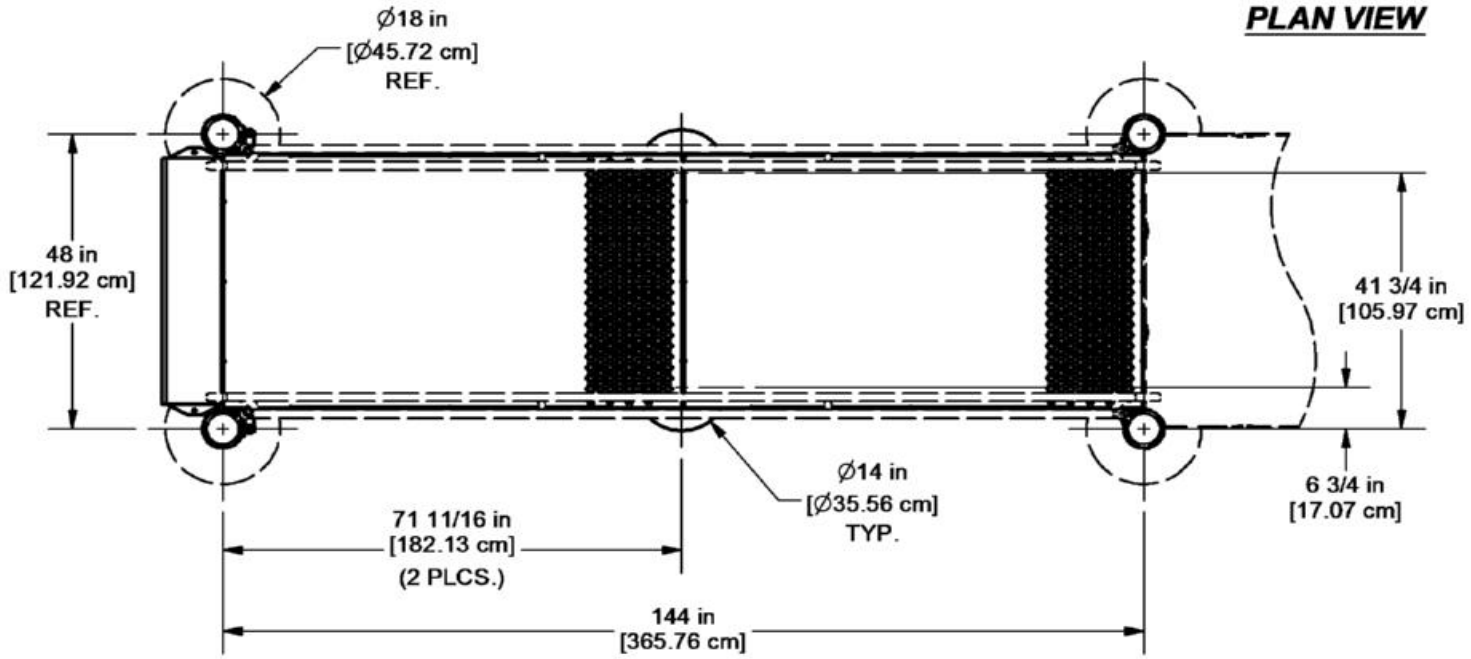
# 72245 8FT RAMP DECK TO DECK (RAMP ONLY)



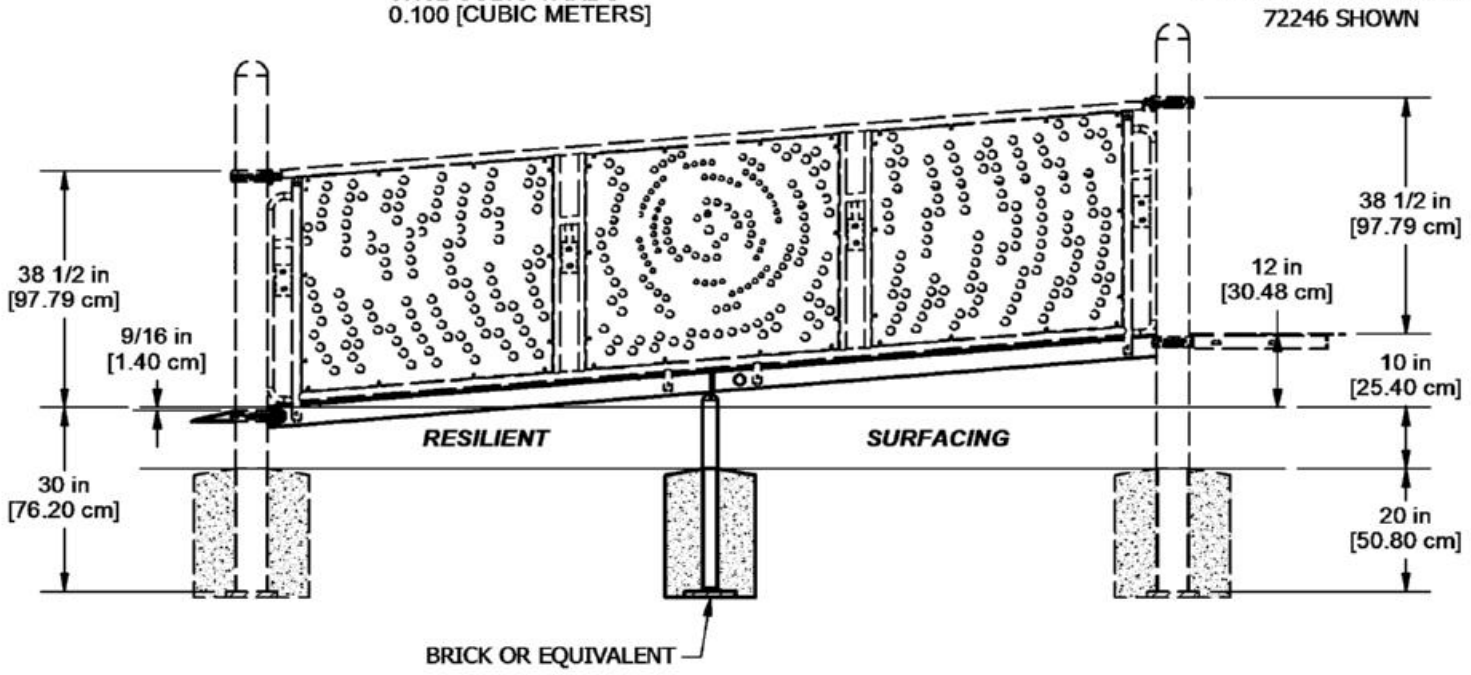
# 72246 12FT RAMP GROUND TO DECK (RAMP ONLY)

**PLAN VIEW**



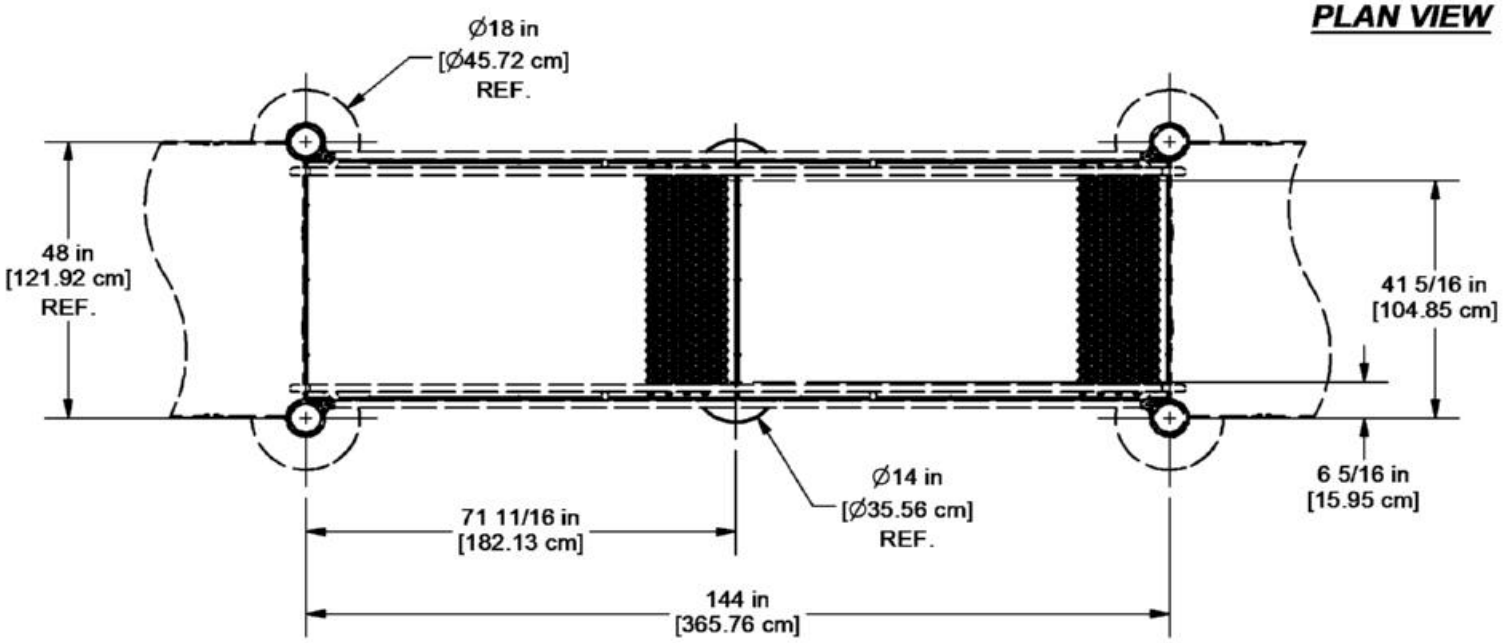

**CONCRETE REQUIRED**
0.132 CUBIC YARDS
0.100 [CUBIC METERS]

**ELEVATION VIEW**
72246 SHOWN



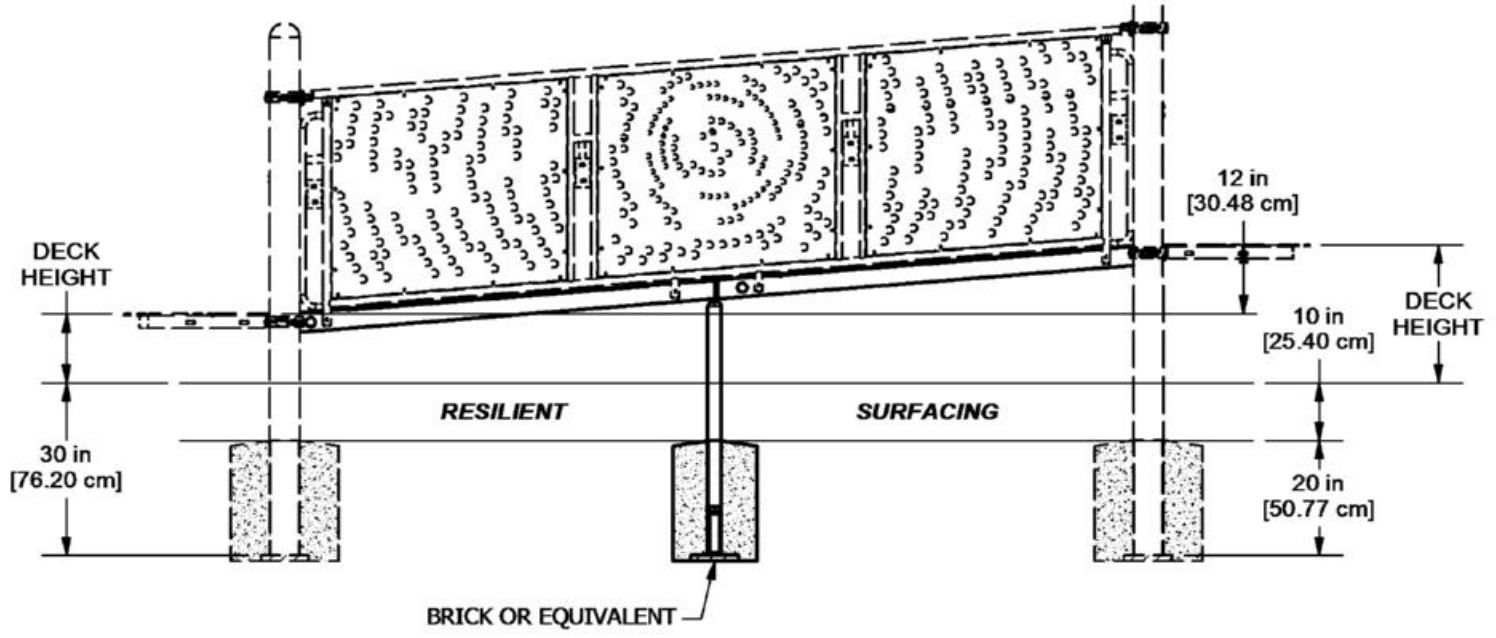
# 72247 12FT RAMP DECK TO DECK (RAMP ONLY)

**PLAN VIEW**

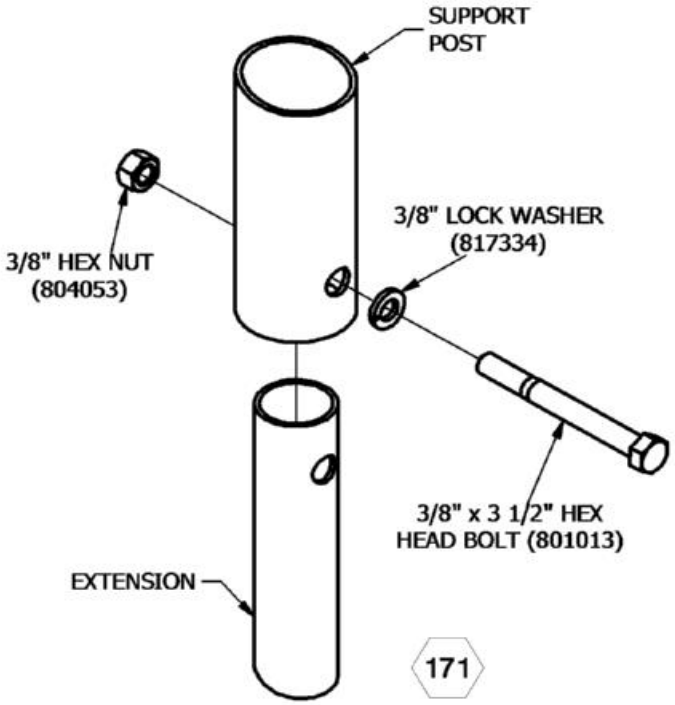



**CONCRETE REQUIRED**
0.132 CUBIC YARDS
0.100 [CUBIC METERS]

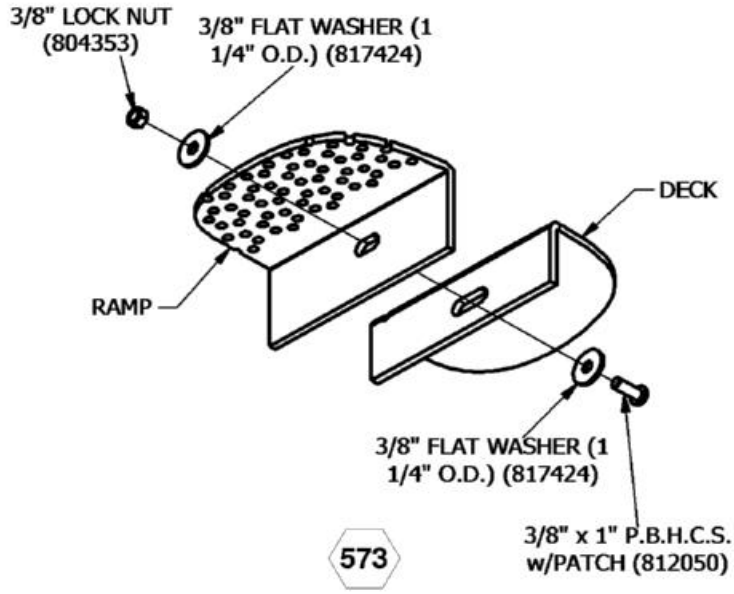
**ELEVATION VIEW**
72247 SHOWN



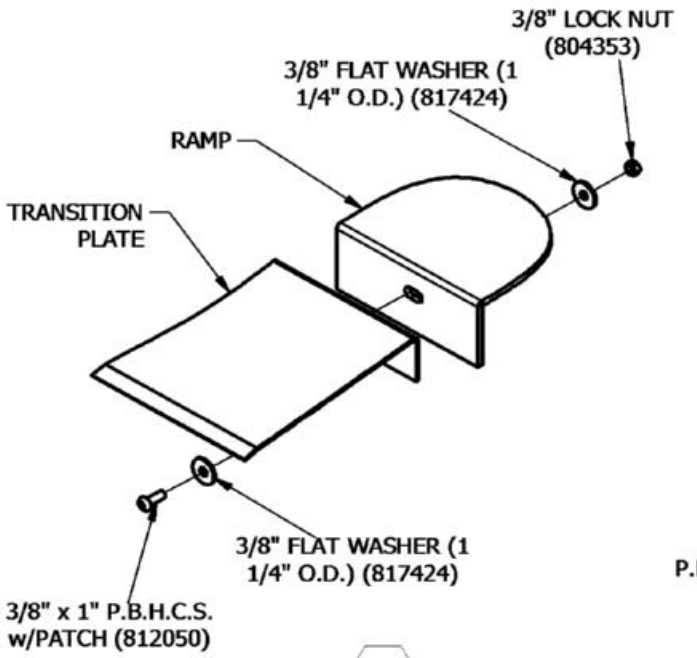
# 72244 8FT RAMP GROUND TO DECK (RAMP ONLY); 72245 8FT RAMP DECK TO DECK (RAMP ONLY); 72246 12FT RAMP GROUND TO DECK (RAMP ONLY); 72247 12FT RAMP DECK TO DECK (RAMP ONLY)



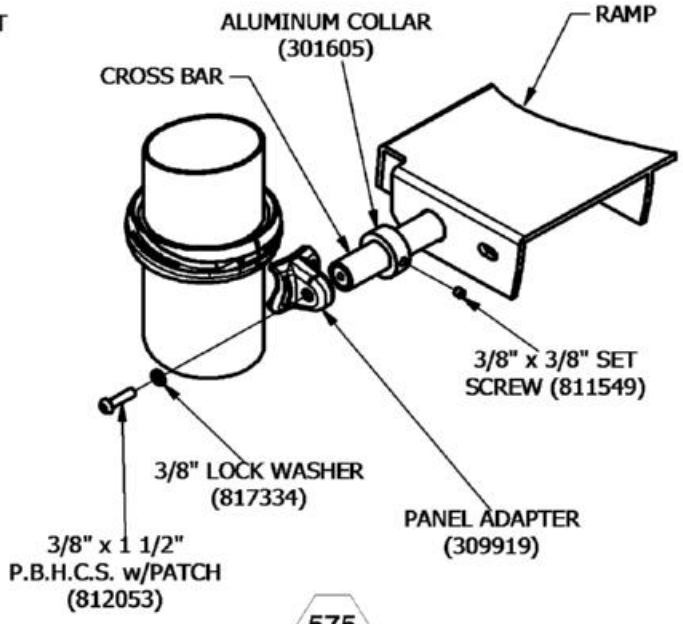

171




573



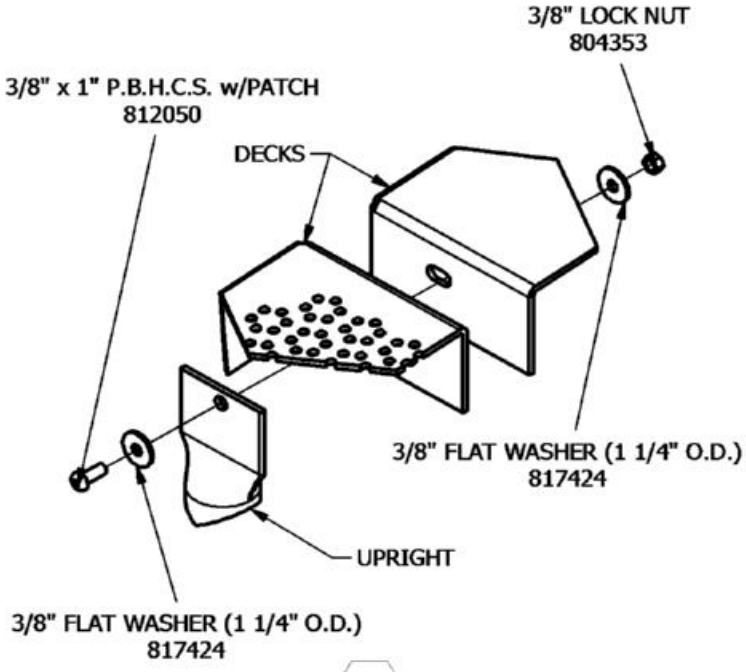

574




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)



# 71366 Climbing Wall w/Ring

| Parts List | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | QTY | PART NUMBER |
| 1 | FORMED FOOTBUCK | 1 | 310270 |
| 2 | CLIMBING WALL PANEL w/HOLE | 1 | 310595 |
| 3 | SEMI-CIRCLE RING | 2 | 303090 |
| 4 | PANEL ADAPTER | 4 | 309919 |
| | -----HARDWARE COMPLETE----- | 1 | 310602 |
| | 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 1 3/4" P.B.H.C.S. w/PATCH | 7 | 812054 |
| | 3/8" FLAT WASHER | 15 | 817410 |
| | 3/8" LOCKWASHER | 7 | 817334 |
| | 3/8" BARREL NUT | 4 | 804804 |
| | 3/8" LOCK NUT | 4 | 804353 |
| | 3/8" T-NUT | 3 | 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. Select the appropriate Upright Posts to receive the Climbing Wall. Refer to your overhead drawing for location.

2. Mark positions of Clamps on the Upright Posts. See Elevation Views. Loosely attach Ring Clamps to the uprights at marked locations. (See Ring Clamp Installation Sheet).

3. Attach the Formed Footbuck to the Climbing Wall 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" T-Nut as shown in Detail 484.

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

5. Placing the legs of the Formed Footbuck into the ground holes attach the Climbing Wall to the Panel Adaptors using 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 467.

6. Attach the Semi-Circle Rings to the Climbing Panel 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" Lock Nut as shown in Detail 485.

7. Plumb and level the entire assembly and fully tighten all fasteners.

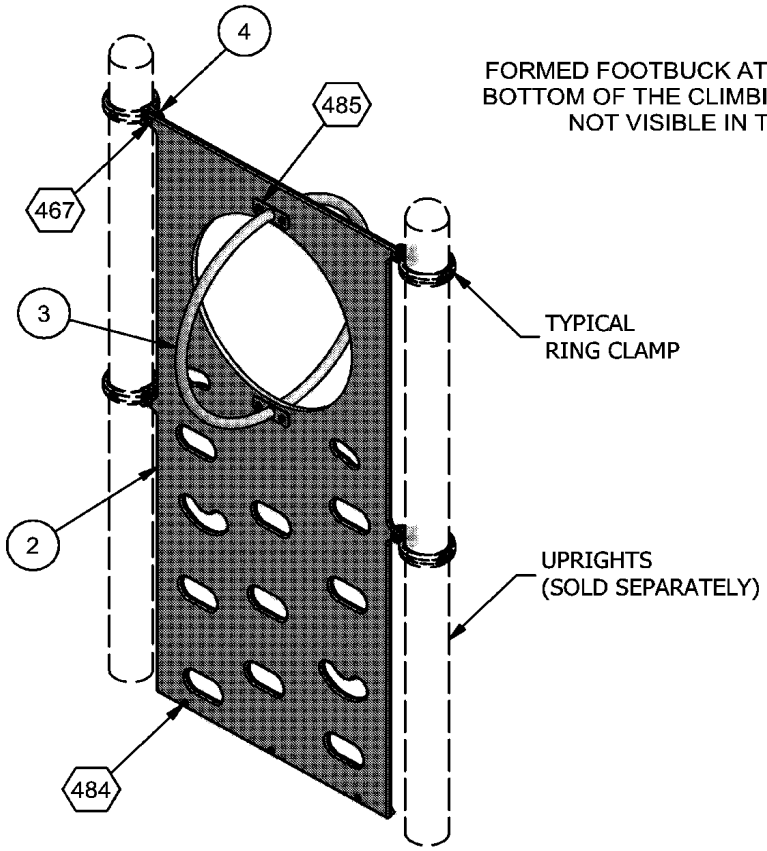
**IMPORTANT! Avoid creating any gaps between the components which fall between 3-1/2" and 9". It has been shown that such gaps create entrapment points which can trap a child and cause injury.**

# 71366 Climbing Wall w/Ring

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, Park Structures strongly recommends that the area under and around the play structure must be covered with a resilient material, such as sand, mulch, etc., to a minimum depth of 10" for sand. Approved rubber safety matting can also be used. For details, please refer to your Safety Guidelines, provided within the assembly instruction packet.

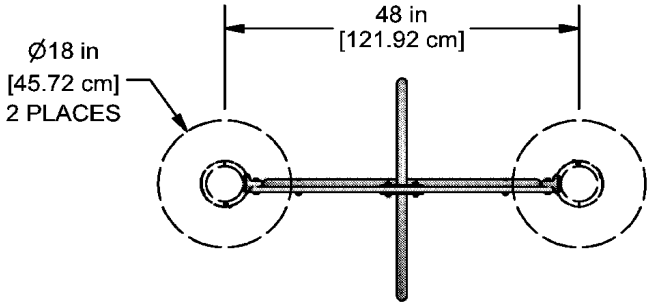
***MAINTENANCE PROCEDURE:***
Periodically check hardware for tightness, and tighten as necessary. Always check parts for breakage or wear, and immediately put equipment out of service until any faulty parts are repaired or replaced. Check for rust, paint loss, and touch up if necessary with paint. Check for welded areas and verify integrity. Check all decks for peeling of Plastisol coating and touch up with Plastisol if necessary. Check for obstructed holes on deck, clean if necessary. Check for openings on plastic junctions and use clear silicone to fill. Check for cracks, gouges, or breakage on plastic. Check for integrity of plastic and keep plastic keep of any extraneous substances. Verify that any deformation does not create entrapment as specified on ASTM F1487 section 6. Periodically check resilient surfacing for appropriate depth, and remove extraneous materials that could cause injury, infection, or disease. Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.



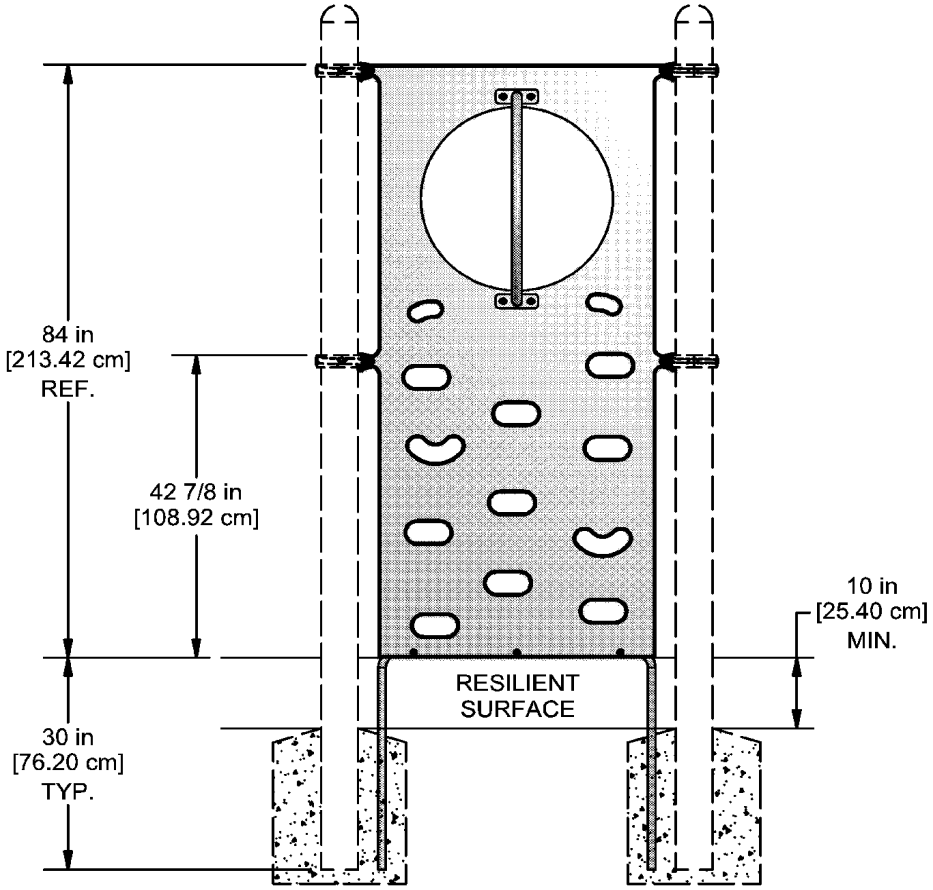

⬡ = INSTALLATION DETAIL

***FINISHED ASSEMBLY***

# 71366 Climbing Wall w/Ring




***PLAN VIEW***

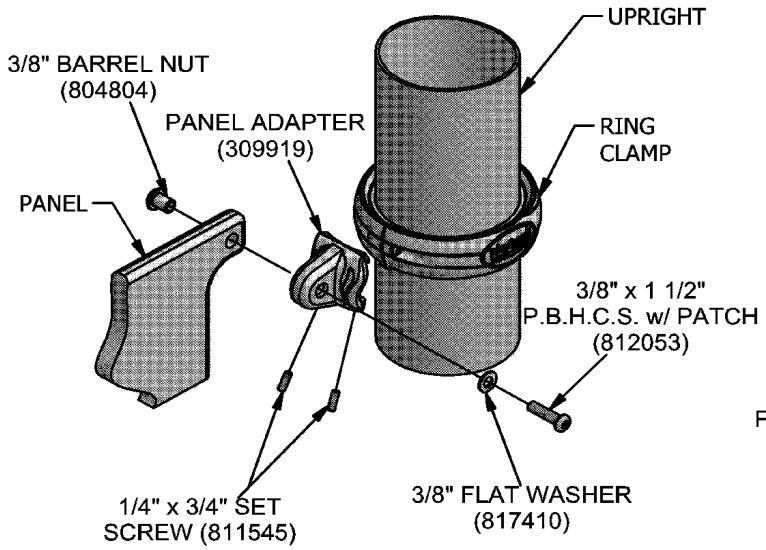



***ELEVATION VIEW***

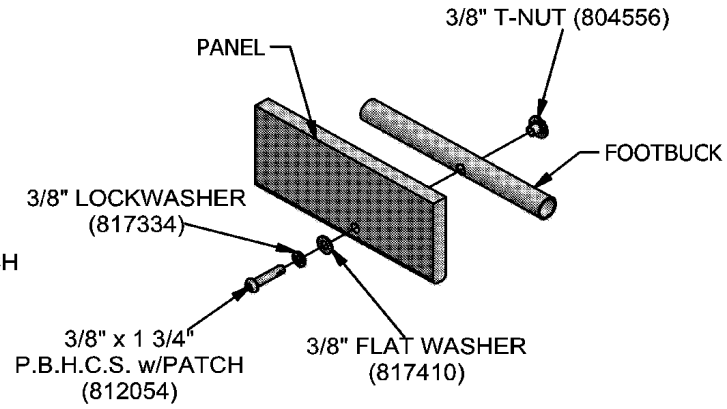
# 71366 Climbing Wall w/Ring

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

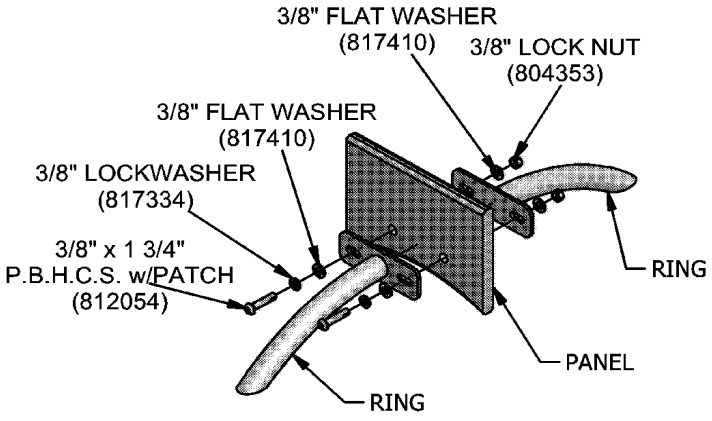
PANEL MUST ATTACH TO THE DECK SIDE OF THE ADAPTER.




467




484




485

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

| Parts List | | | | | |
|---|---|---|---|---|---|
| DESCRIPTION | 65222 | 65223 | 65224 | 65225 | PART NUMBER |
| 5" SWING HANGER | 4 | 8 | 12 | 16 | 1487 |
| END CROWN WELD ASSEMBLY - 3 SOCKET | 2 | 2 | 2 | 2 | AFB-34708XX |
| MID CROWN WELD ASSEMBLY - 4 SOCKET | 0 | 1 | 2 | 3 | AFB-34709XX |
| RAFTER WELD ASSEMBLY - 108 3/4" | 4 | 4 | 4 | 4 | AFB-34710XX |
| RAFTER WELD ASSEMBLY - 84 3/4" | 0 | 2 | 4 | 6 | AFB-34711XX |
| STRUT WELD ASSEMBLY - 42 3/8" | 4 | 4 | 4 | 4 | AFB-34712XX |
| STRUT WELD ASSEMBLY - 33 1/8" | 0 | 2 | 4 | 6 | AFB-34713XX |
| SWING TOP BAR WELD ASSEMBLY | 1 | 2 | 3 | 4 | AFB-34715XX |
| CABLE - 87' | 1 | 0 | 0 | 0 | CA-5-87F |
| CABLE - 100' | 0 | 1 | 0 | 0 | CA-5-100F |
| CABLE - 135' | 0 | 0 | 1 | 0 | CA-5-135F |
| CABLE - 158' | 0 | 0 | 0 | 1 | CA-5-158F |
| RIDGE POLE - 126 5/8" | 1 | 2 | 3 | 4 | FAB-311155XX |
| FABRIC | 1 | 0 | 0 | 0 | FRSW23516G |
| FABRIC | 0 | 1 | 0 | 0 | FRSW3516G |
| FABRIC | 0 | 0 | 1 | 0 | FRSW46516G |
| FABRIC | 0 | 0 | 0 | 1 | FRSW5816G |
| GLIDE EXTENSION | 4 | 6 | 8 | 10 | GTMTA25592XX |
| COLUMN WELD ASSEMBLY - 2 SOCKET | 0 | 1 | 2 | 3 | PSA-5025XX |
| COLUMN WELD ASSEMBLY - 1 SOCKET | 2 | 2 | 2 | 2 | PSA-5034XX |
| 1/4" x 1" SELF TAPPING TORX w/PATCH | 8 | 12 | 16 | 20 | HWS0021 |
| 3/8" x 1 1/4" SELF TAPPING TORX w/PATCH | 12 | 20 | 28 | 36 | HWS0081 |
| 1/2" x 1 3/4" HEX HEAD BOLT | 8 | 12 | 16 | 20 | HWB0021 |
| 1/2" x 2" B.H.C.S. | 12 | 24 | 36 | 48 | HWS0342 |
| 1/2" x 5 1/2" B.H.C.S. | 4 | 8 | 12 | 16 | 811071 |
| 1/2" FLATWASHER | 40 | 60 | 80 | 100 | HWWR0022 |
| 1/2" FLAT WASHER (2" O.D.) | 24 | 48 | 72 | 96 | 817413 |
| 1/2" LOCKWASHER | 4 | 8 | 12 | 16 | 817342 |
| 1/2" NYLOCK NUT | 24 | 30 | 40 | 50 | HWN0025 |
| T-45 BIT | 1 | 1 | 1 | 1 | HWM0132 |
| 12 OZ. AEROSOL CAN TOUCH UP PAINT | 1 | 1 | 1 | 1 | TouchUpMetal |

*Unless Otherwise Specified, All Units of Measure are Each*

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

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

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

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

# 65222 SHADED SWING 1 BAY

## INSTALLATION INSTRUCTIONS FOR 65222:

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

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

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

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

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

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

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

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

# 65222 SHADED SWING 1 BAY

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

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

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

22. When the structure is finished and satisfactory, eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

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

** Glide Drive Removal **

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

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

3. Remove Fabric, Cable, and cable clamps.

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

# 65223 SHADED SWING 2 BAY

## INSTALLATION INSTRUCTIONS FOR 65223:

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

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

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

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

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

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

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

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

# 65223 SHADED SWING 2 BAY

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

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

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

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

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

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

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

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

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

30. When the structure is finished and satisfactory, eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

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

** Glide Drive Removal **

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

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

3. Remove Fabric, Cable, and cable clamps.

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

# 65224 SHADED SWING 3 BAY

## INSTALLATION INSTRUCTIONS FOR 65224:

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

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

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

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

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

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

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

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

# 65224 SHADED SWING 3 BAY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

38. When the structure is finished and satisfactory, eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

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

** Glide Drive Removal **

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

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

3. Remove Fabric, Cable, and cable clamps.

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

# 65225 SHADED SWING 4 BAY

## INSTALLATION INSTRUCTIONS FOR 65225:

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

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

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

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

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

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

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

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

# 65225 SHADED SWING 4 BAY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

46. When the structure is finished and satisfactory, eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

# 65225 SHADED SWING 4 BAY

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

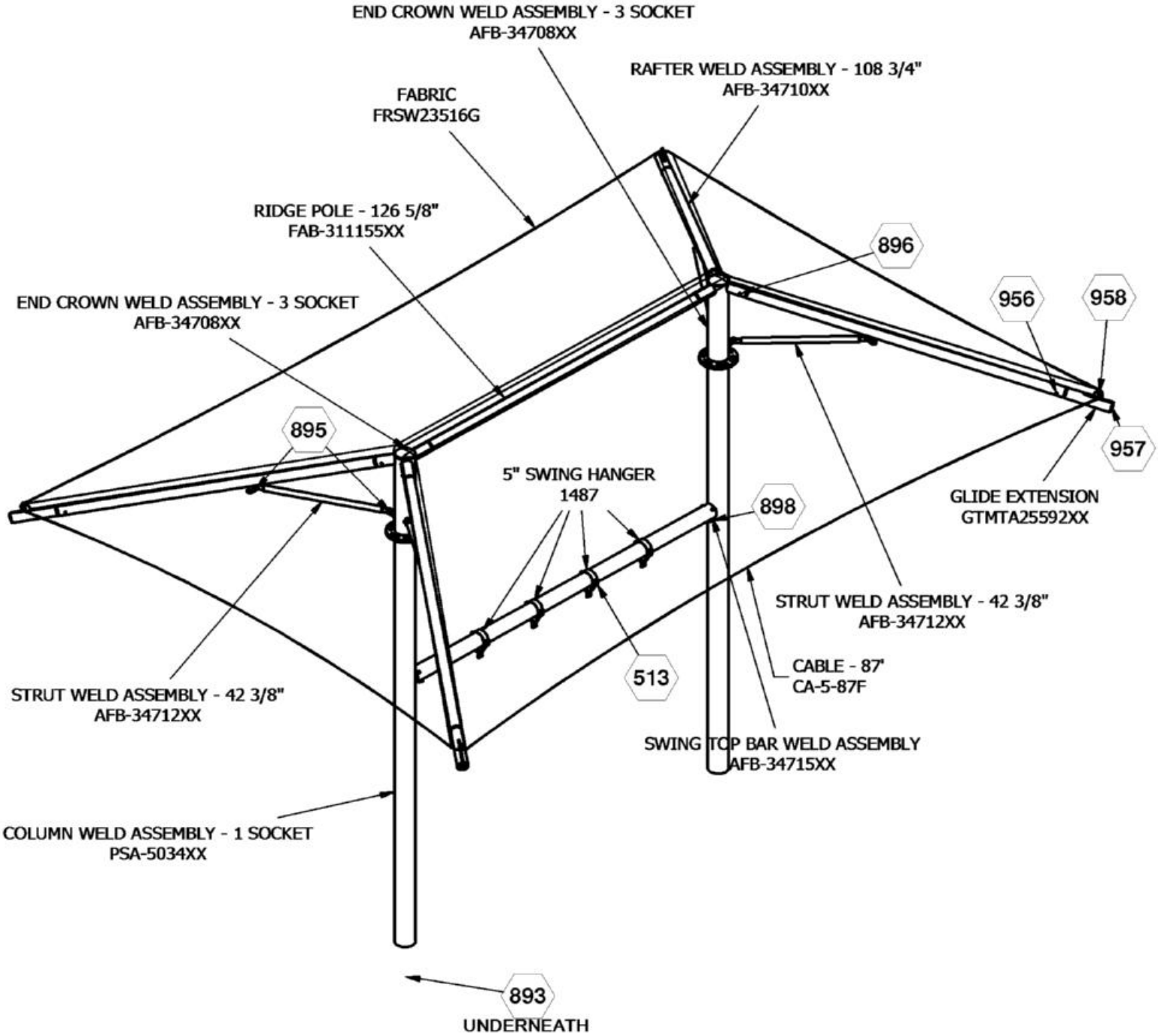
** Glide Drive Removal **

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

## ***MAINTENANCE PROCEDURE:***

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

# 65222 SHADED SWING 1 BAY

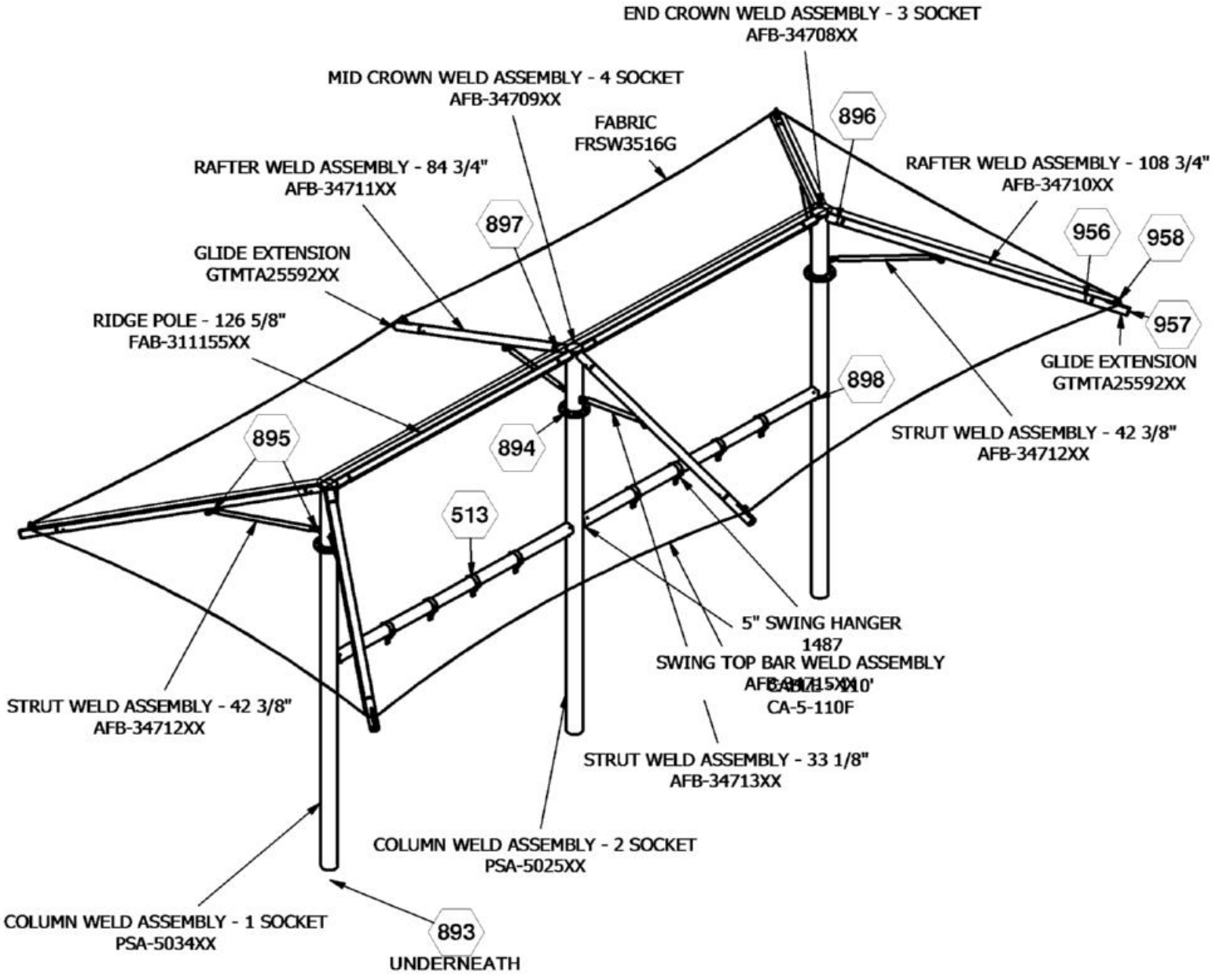



= INSTALLATION DETAIL

Issued/Revised: 8/20/2025

***FINISHED ASSEMBLY***
65222 SHOWN

# 65223 SHADED SWING 2 BAY

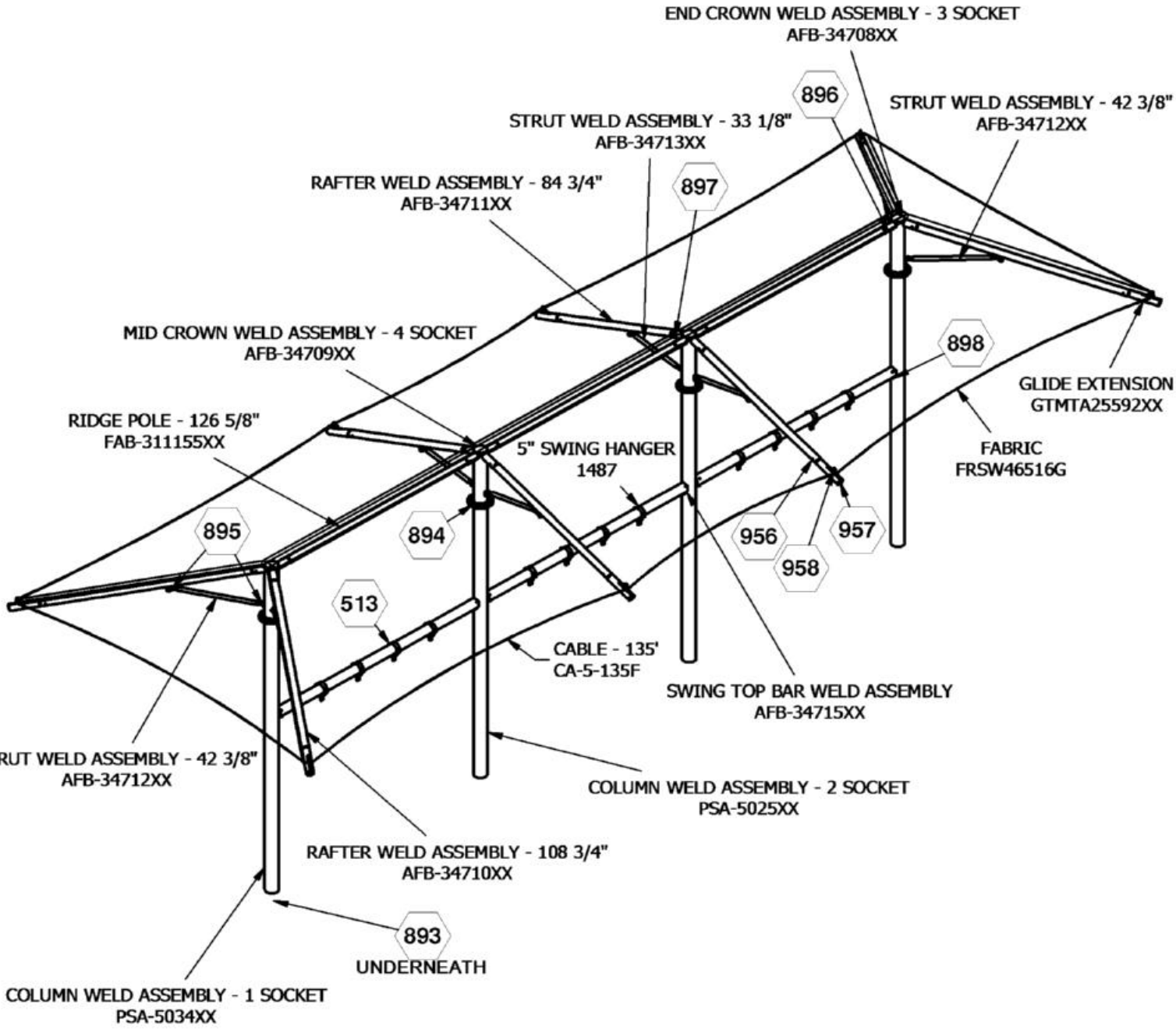



= INSTALLATION DETAIL

Issued/Revised: 8/20/2025

***FINISHED ASSEMBLY***
65223 SHOWN

# 65224 SHADED SWING 3 BAY

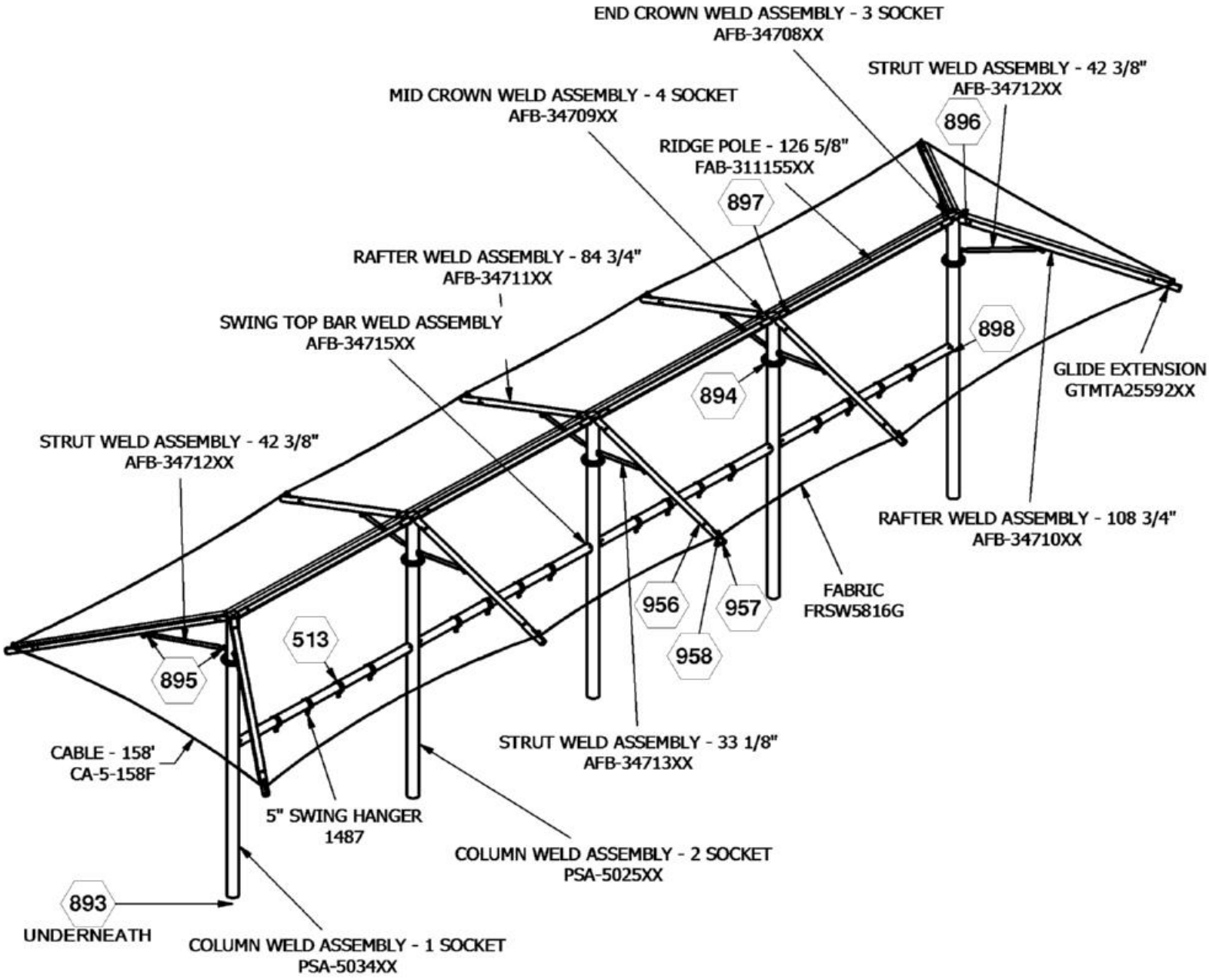



⬡ = INSTALLATION DETAIL

Issued/Revised: 8/20/2025

***FINISHED ASSEMBLY***
65224 SHOWN

# 65225 SHADED SWING 4 BAY



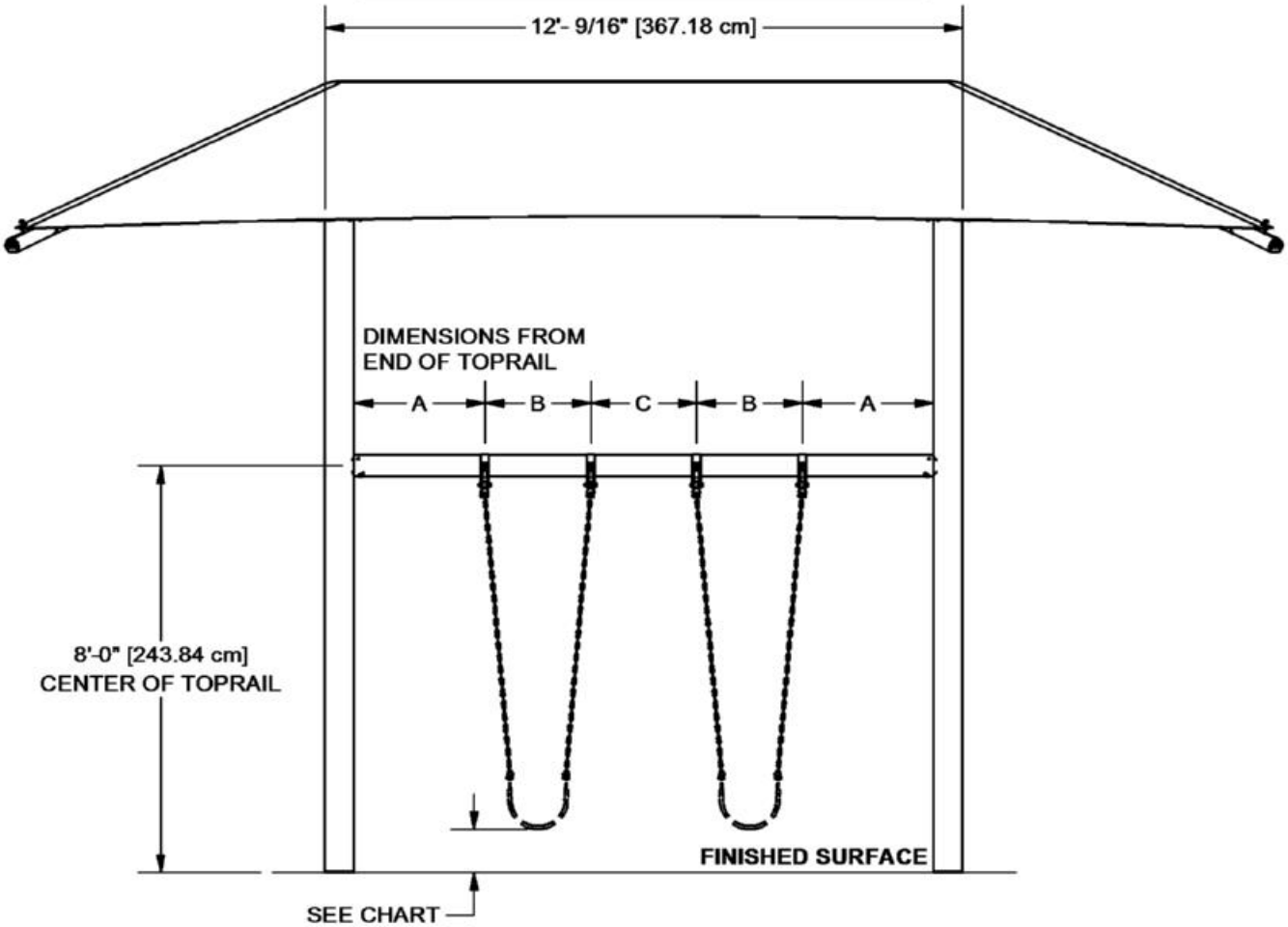

= INSTALLATION DETAIL

Issued/Revised: 8/20/2025

***FINISHED ASSEMBLY***
65225 SHOWN

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

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



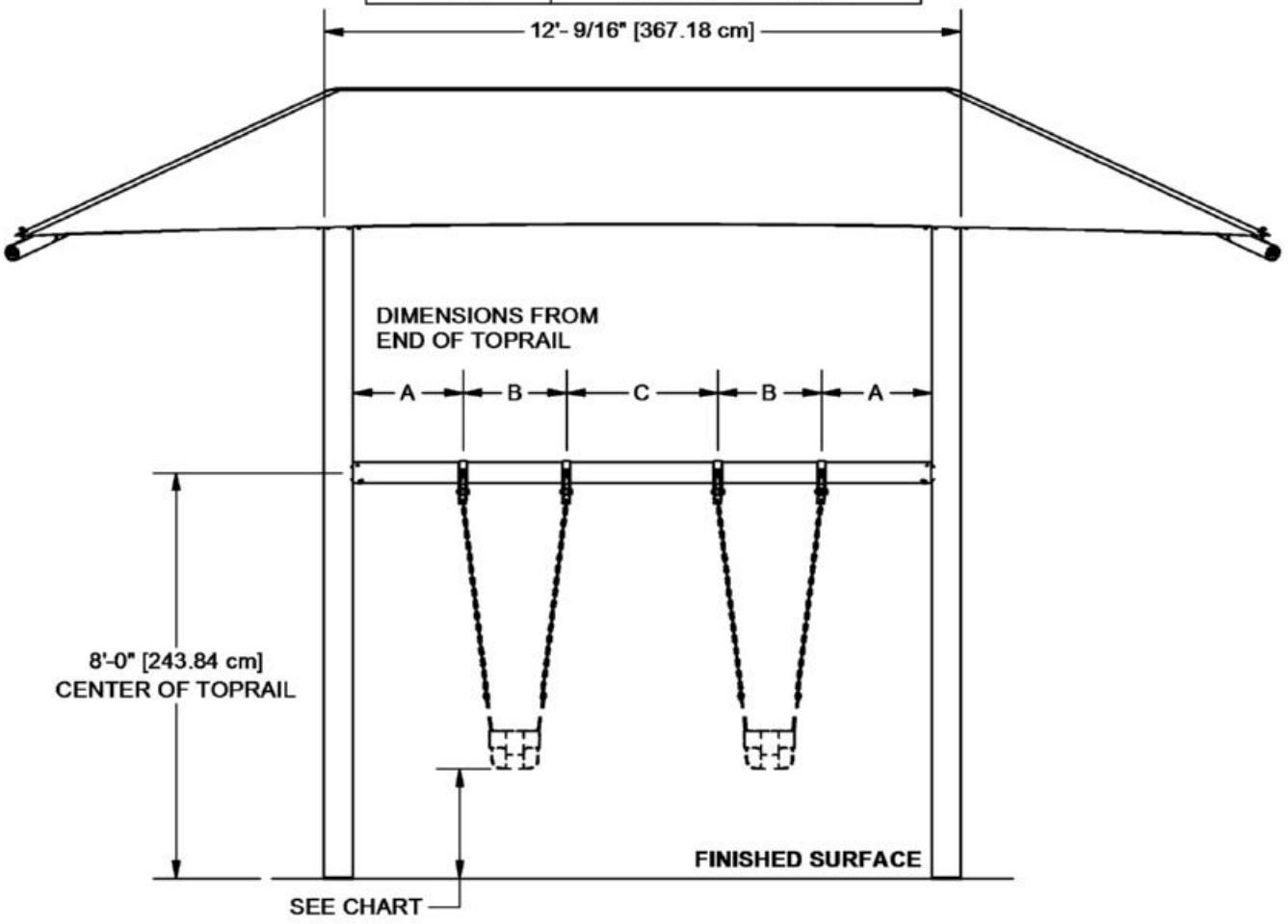

65222 SHOWN (65223, 65224 AND 65225 SIMILAR)
WITH OPTIONAL ENCLOSED TOT
SEAT PACKAGES (NOT INCLUDED)

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

MEASURED WHEN OCCUPIED BY MAXIMUM USERS

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

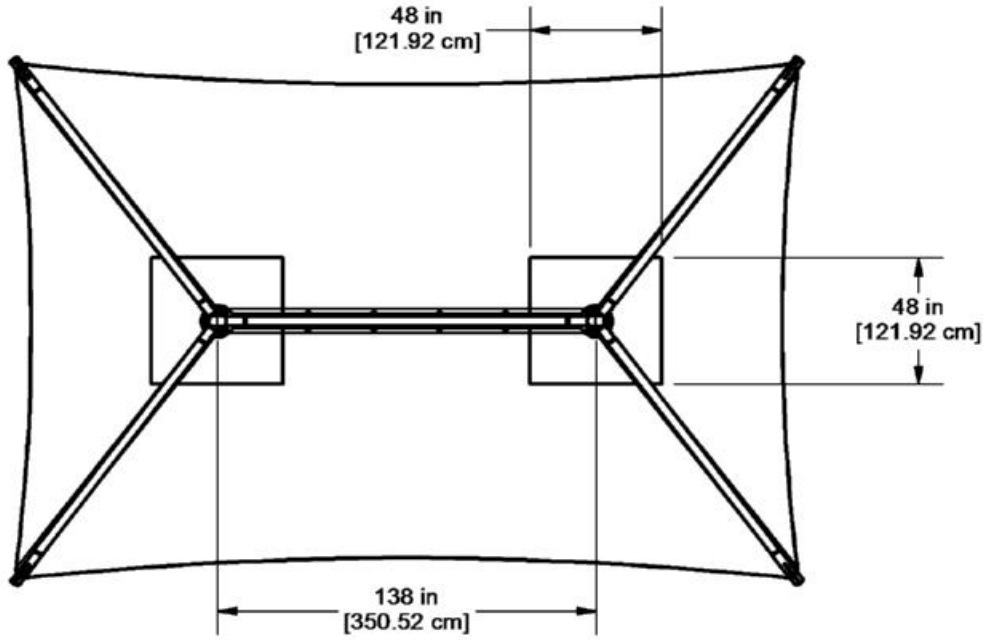
| TOPRAIL DIMENSIONS | |
|---|---|
| DIM A | 2'-1" [63.50 cm] |
| DIM B | 1'-11 1/2" [59.69 cm] |
| DIM C | 2'-10 3/8" [87.31 cm] |




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

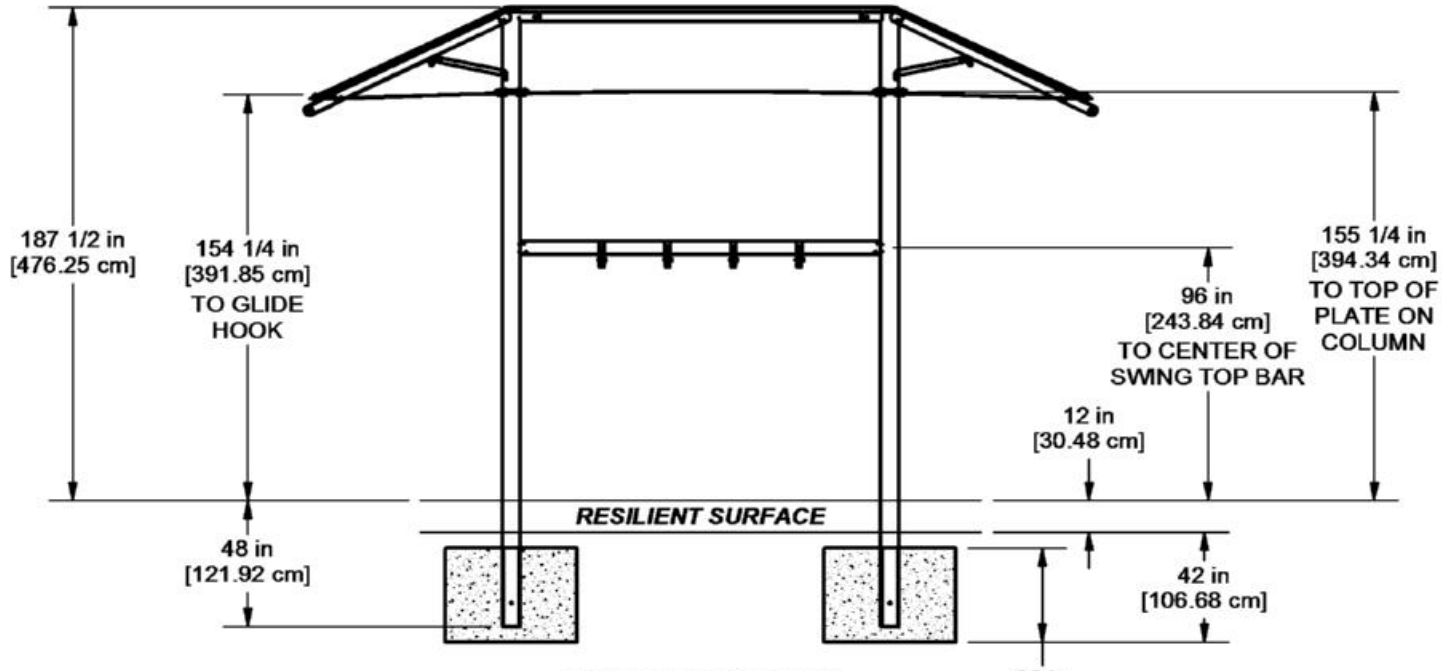
| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|---|---|---|
| STANDARD | MIN. | MAX. |
| CANADIAN | BELT & NEXGEN SEAT - 300mm [11.81"]<br>ENCLOSED TOT SEAT - 600mm [23.62"] | N/A |
| ASTM | BELT & NEXGEN SEAT - 12" [305mm]<br>ENCLOSED TOT SEAT - 24" [610mm] | N/A |
| BS EN | 350mm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

# 65222 SHADED SWING 1 BAY



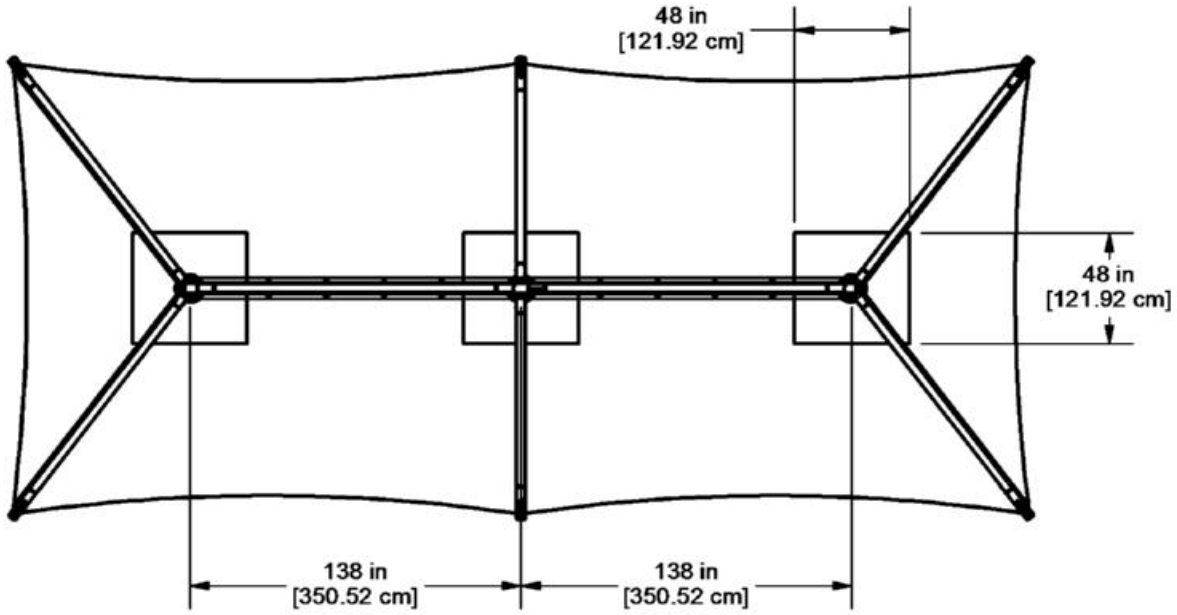

***PLAN VIEW***

**CONCRETE REQUIRED**
3.556 CUBIC YARDS
2.720 [CUBIC METERS]



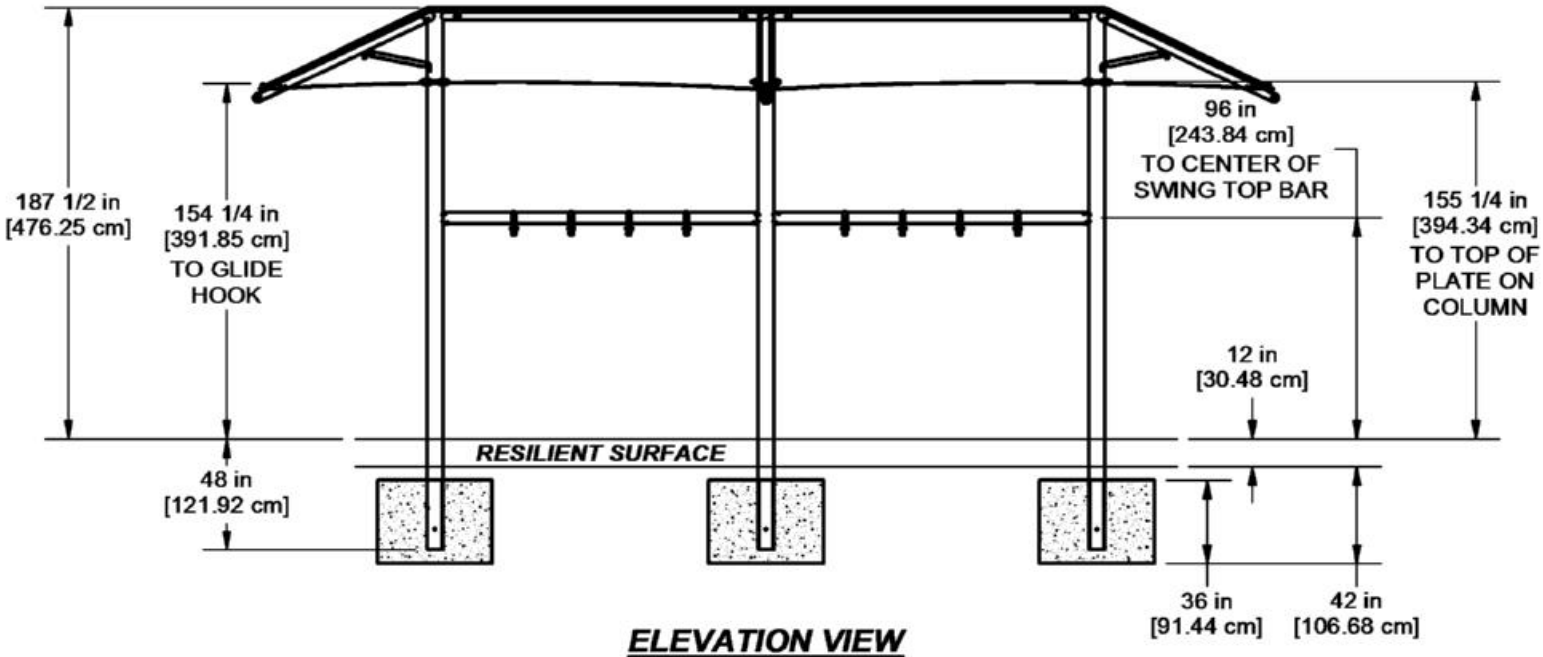

***ELEVATION VIEW***
65222 SHOWN

# 65223 SHADED SWING 2 BAY



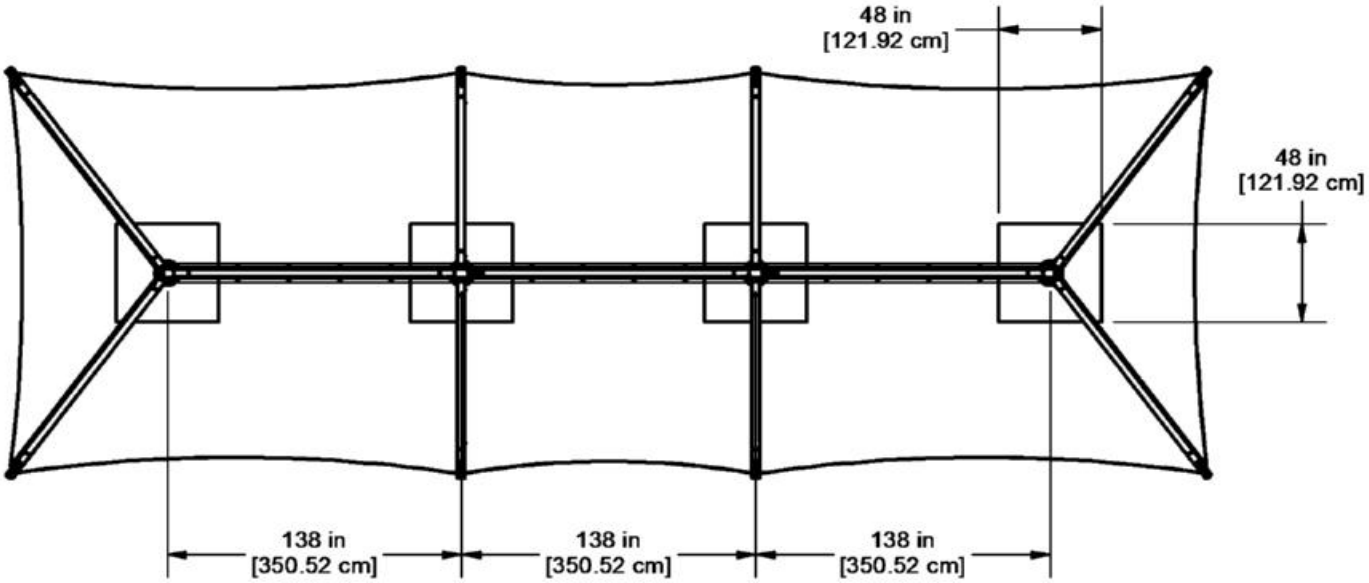

***PLAN VIEW***

**CONCRETE REQUIRED**
6.220 CUBIC YARDS
4.760 [CUBIC METERS]



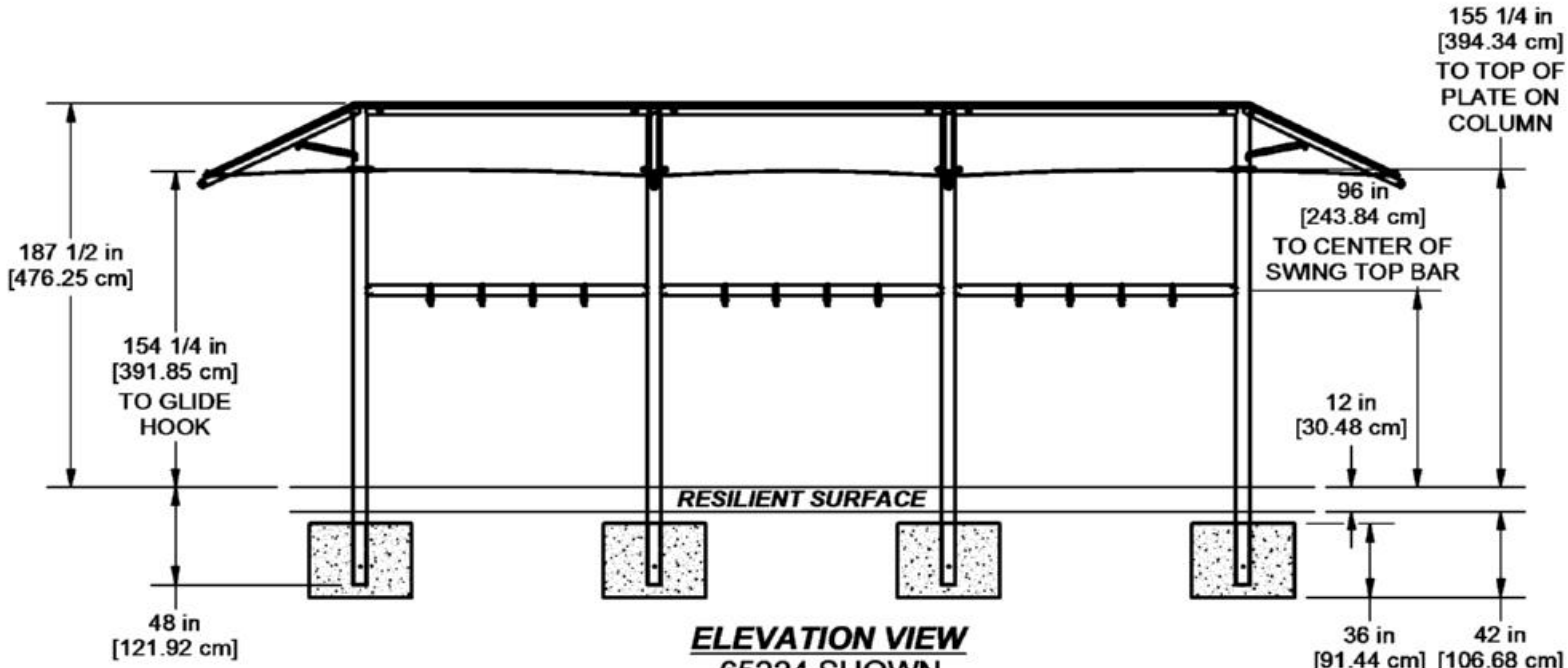

***ELEVATION VIEW***
65223 SHOWN

# 65224 SHADED SWING 3 BAY



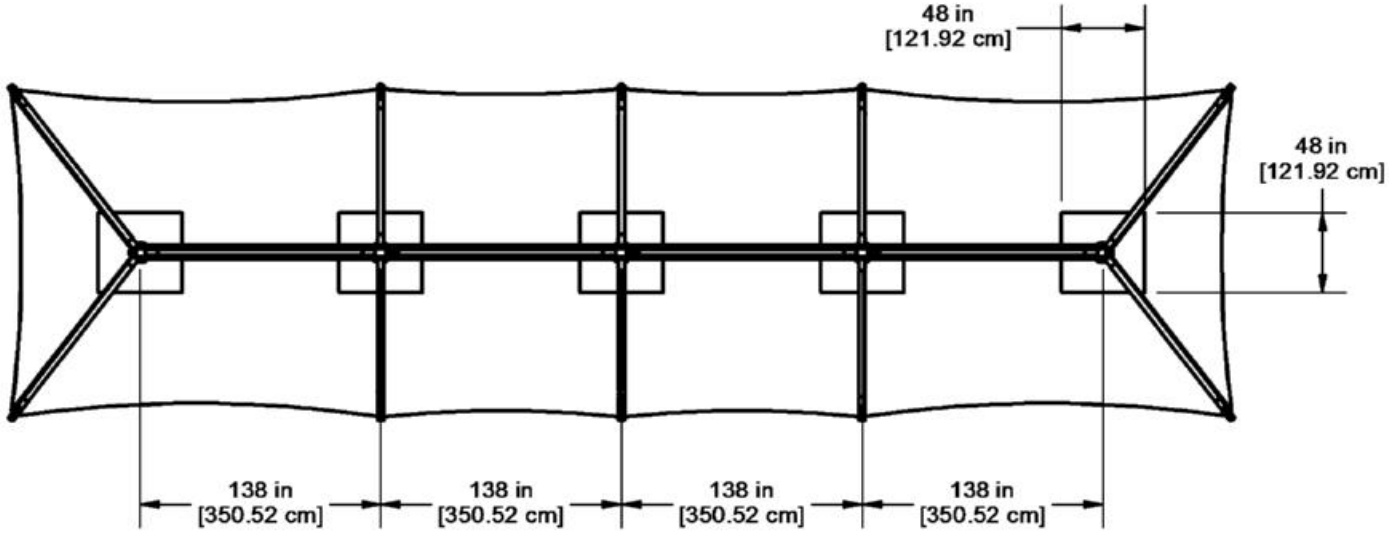

***PLAN VIEW***

**CONCRETE REQUIRED**
8.300 CUBIC YARDS
6.350 [CUBIC METERS]



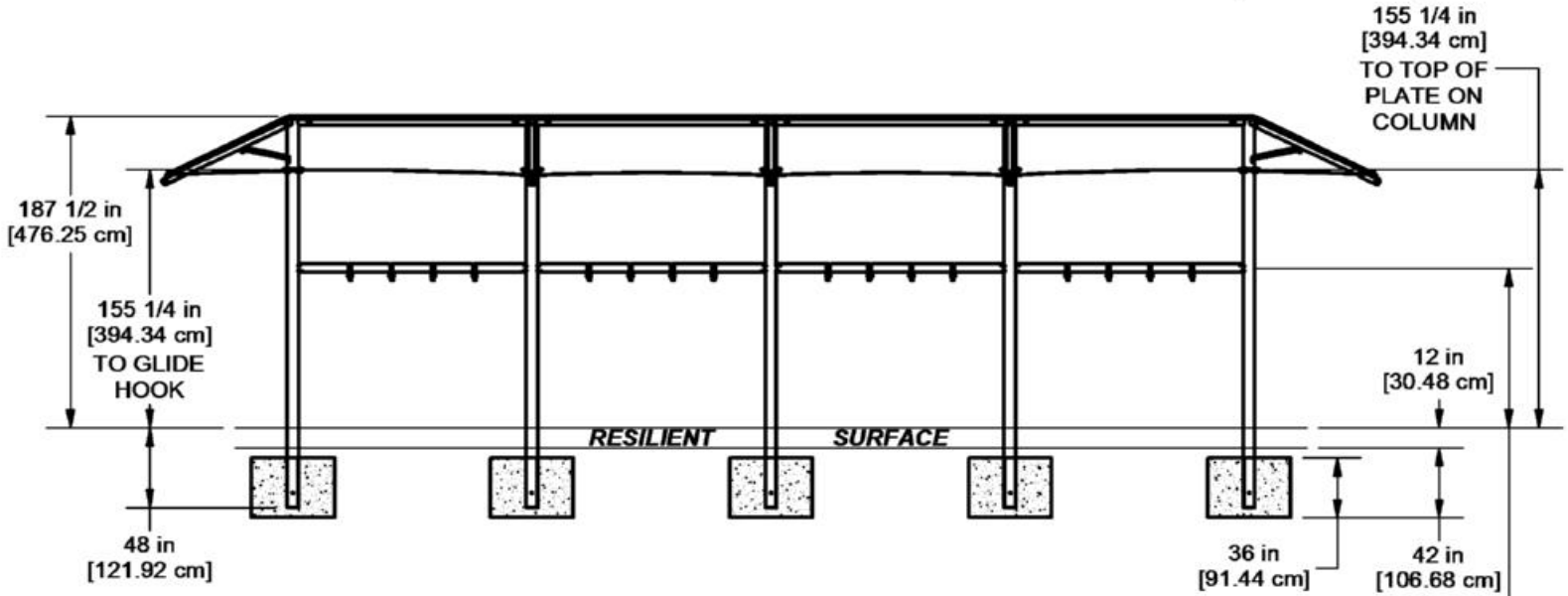

***ELEVATION VIEW***
65224 SHOWN

# 65225 SHADED SWING 4 BAY



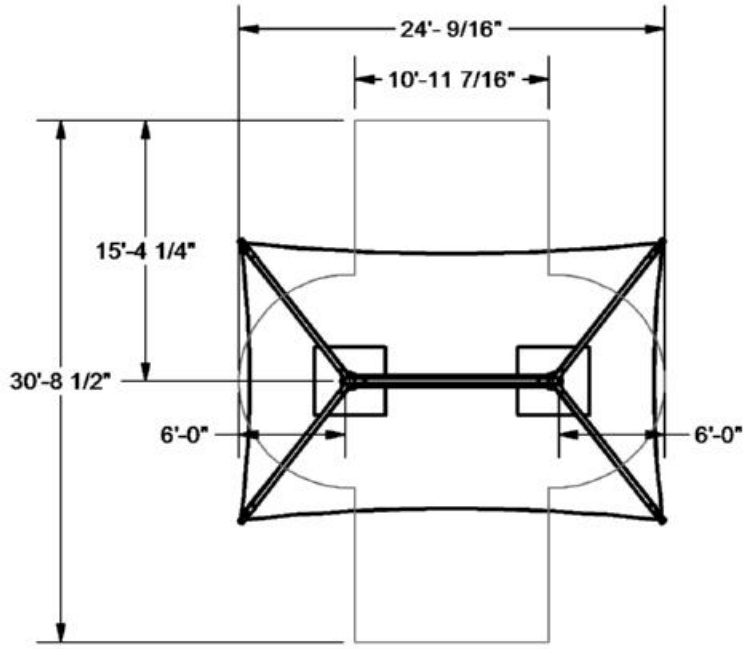

***PLAN VIEW***

**CONCRETE REQUIRED**
10.370 CUBIC YARDS
7.940 [CUBIC METERS]



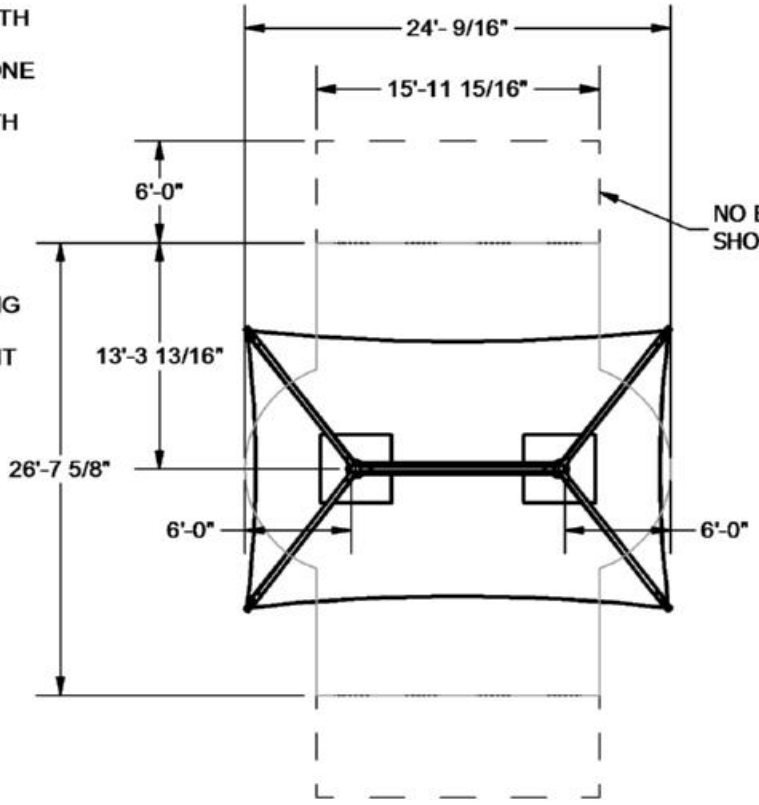

***ELEVATION VIEW***
65225 SHOWN

# 65222 SHADED SWING 1 BAY USE ZONE



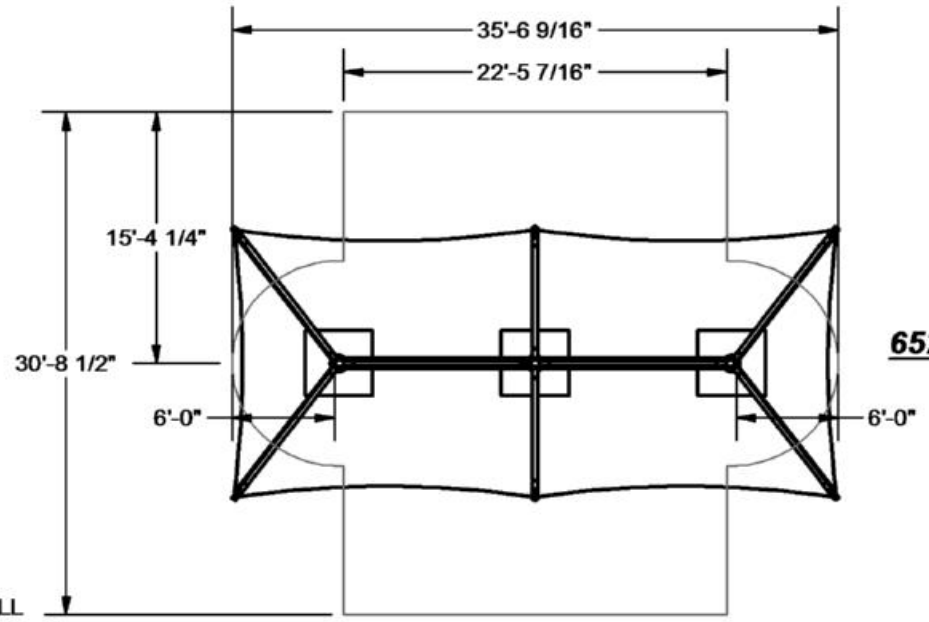

***65222 ASTM ZONE***

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



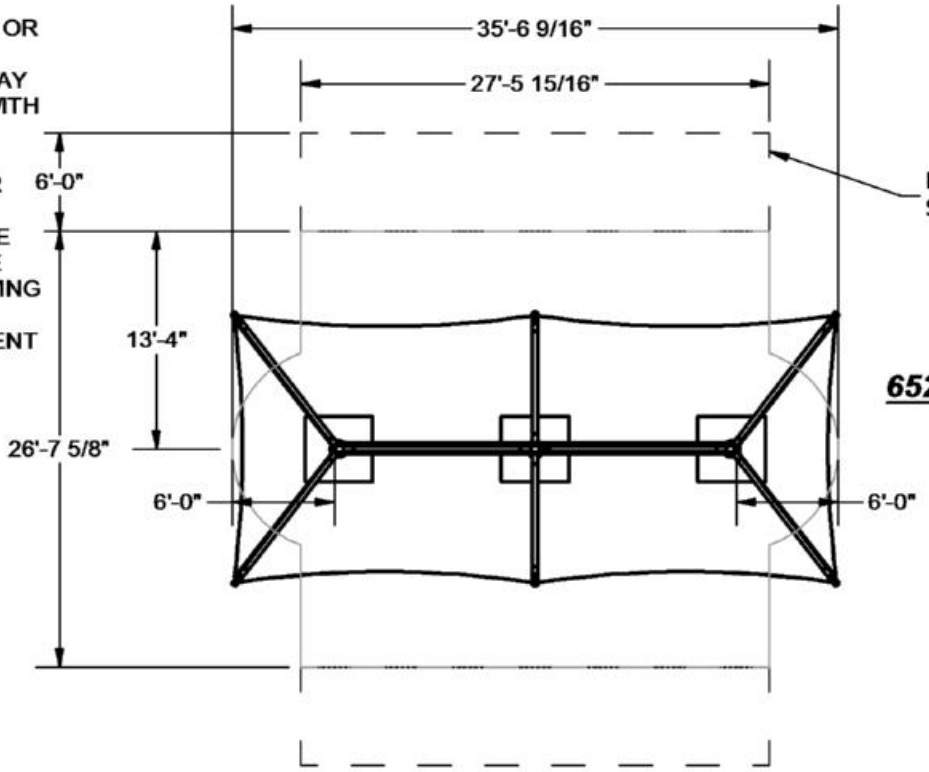

***65222 CSA ZONE***

# 65223 SHADED SWING 2 BAY USE ZONE



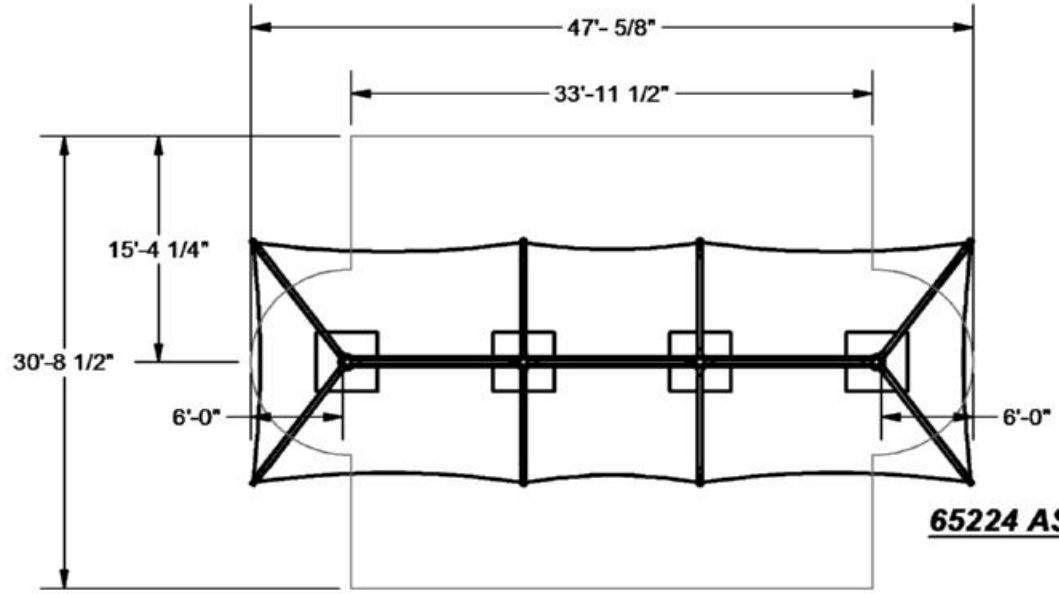

**65223 ASTM ZONE**

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



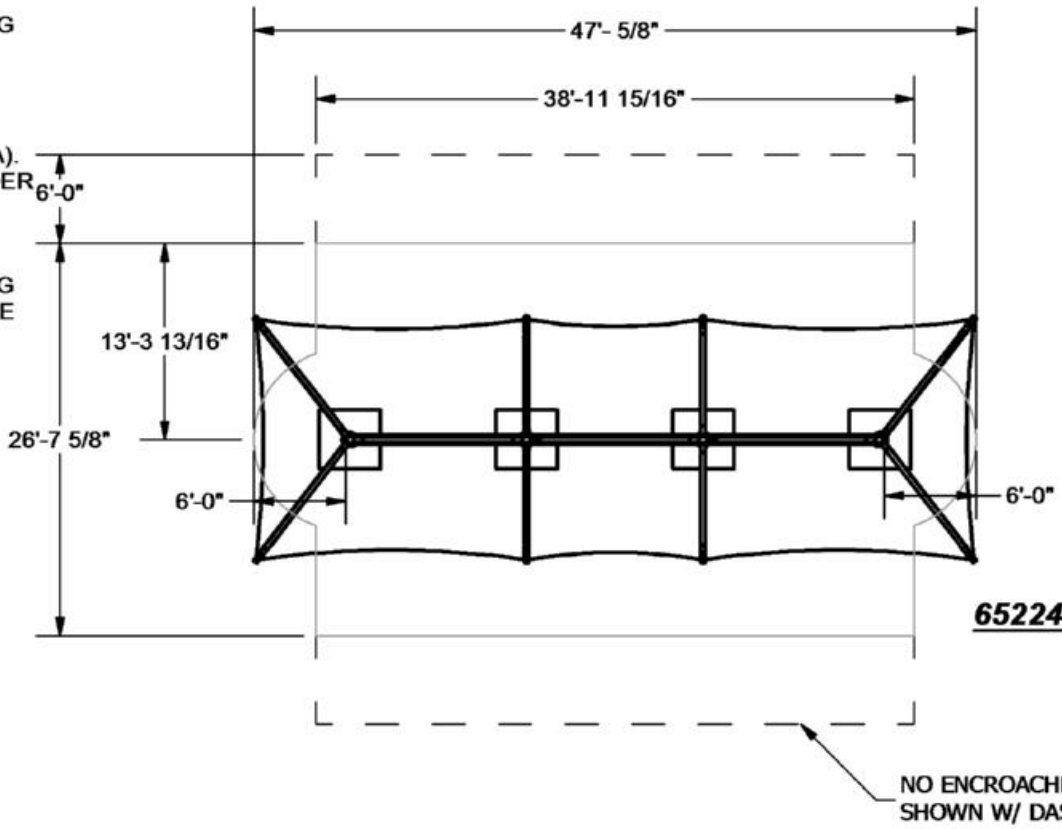

**65223 CSA ZONE**

# 65224 SHADED SWING 3 BAY USE ZONE



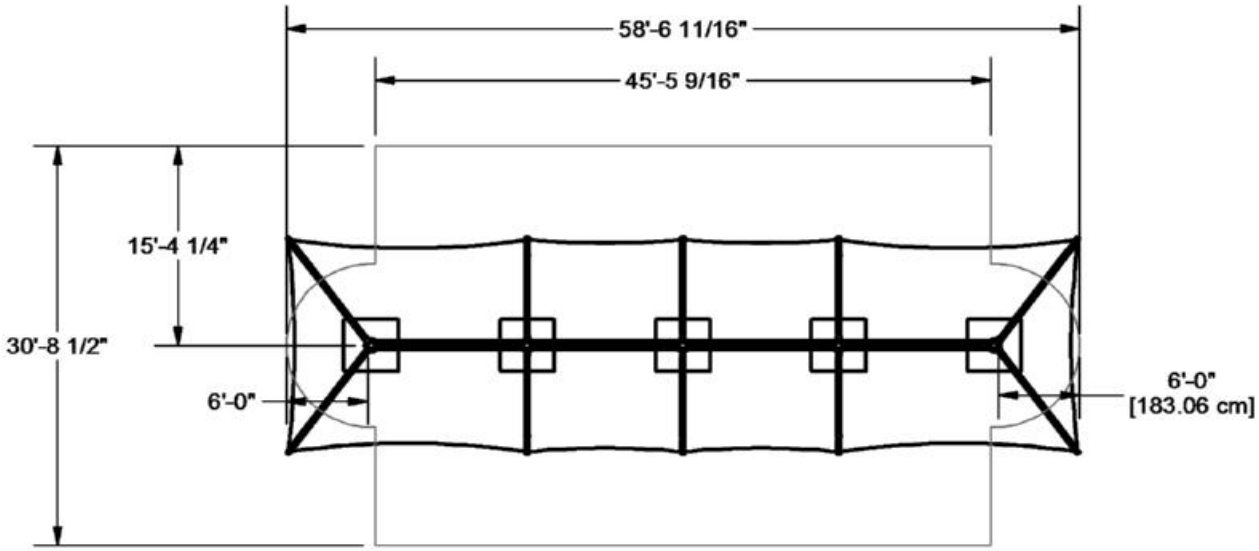

**65224 ASTM ZONE**

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



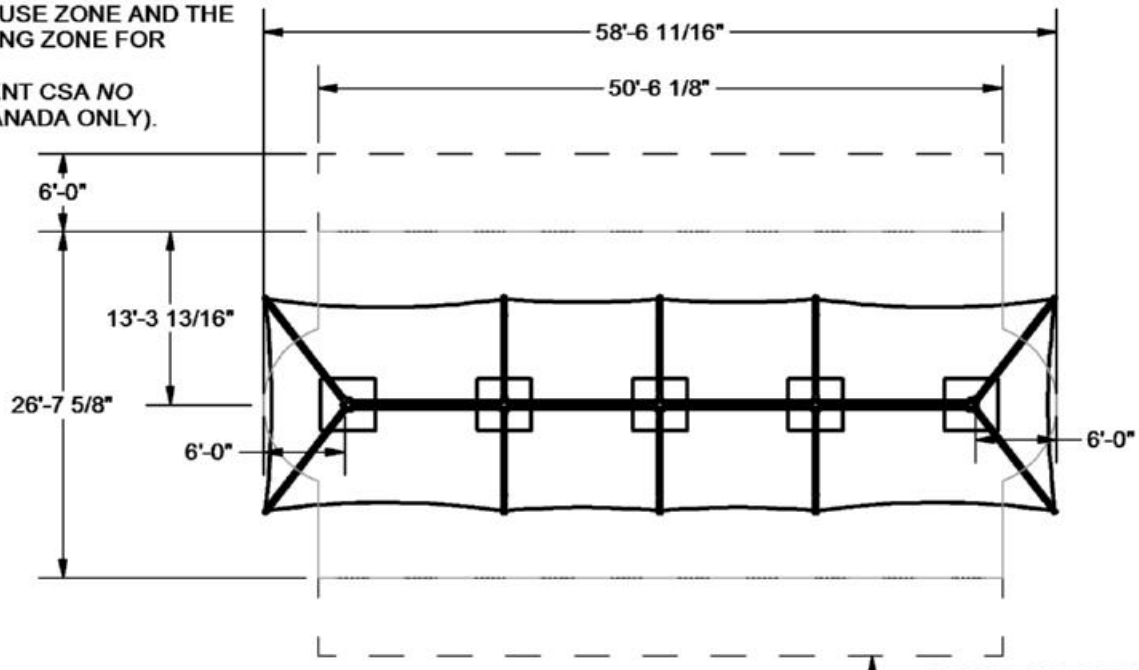

**65224 CSA ZONE**

# 65225 SHADED SWING 4 BAY USE ZONE




**65225 ASTM ZONE**

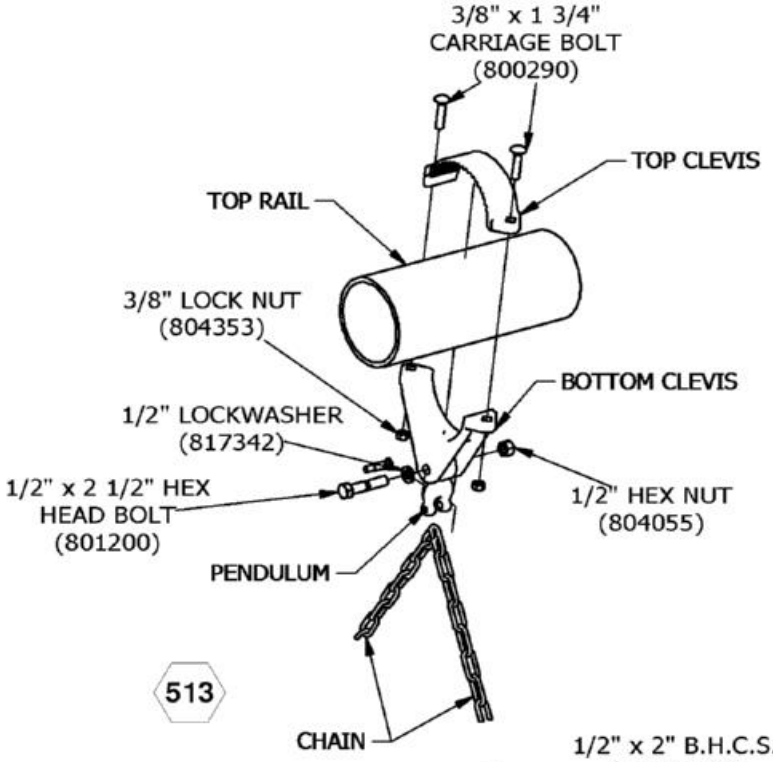
NOTE:
1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITH THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1487 (U.S.) OR CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND THE CSA PROTECTIVE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



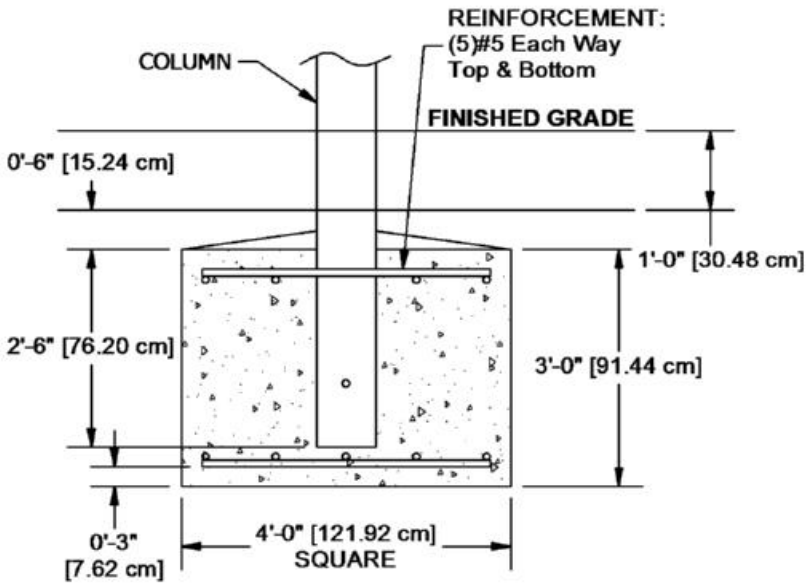

**65225 CSA ZONE**

NO ENCROACHMENT ZONES SHOWN W/ DASHED LINES

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

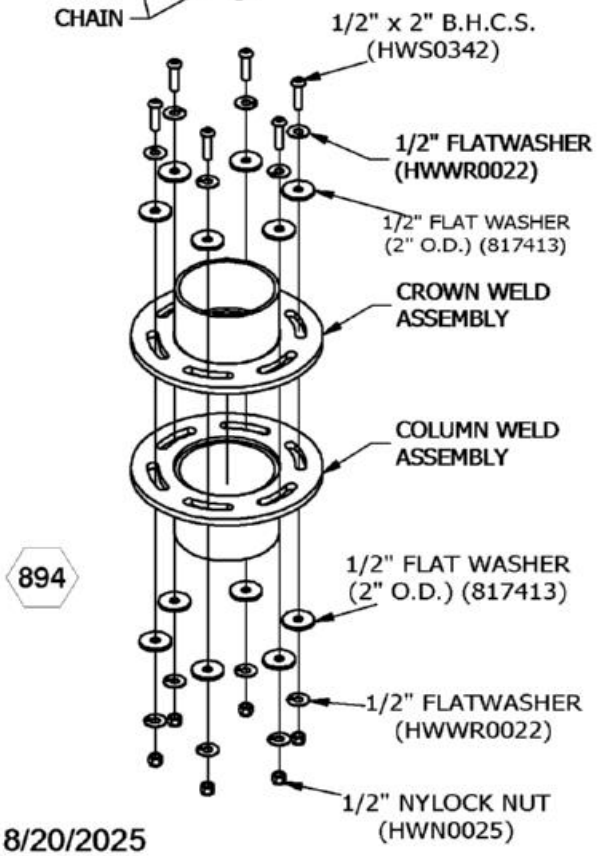



513



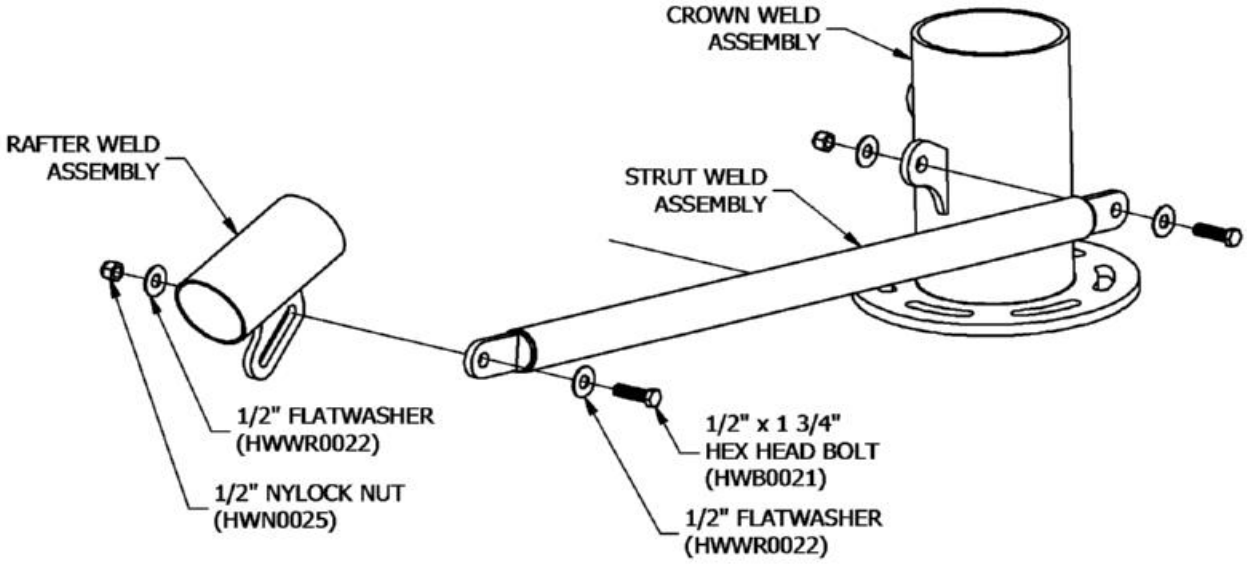

**NOTE:** HOLES ARE PROVIDED AT THE BASE OF EACH COLUMN FOR ADDITION #5 RODS

893

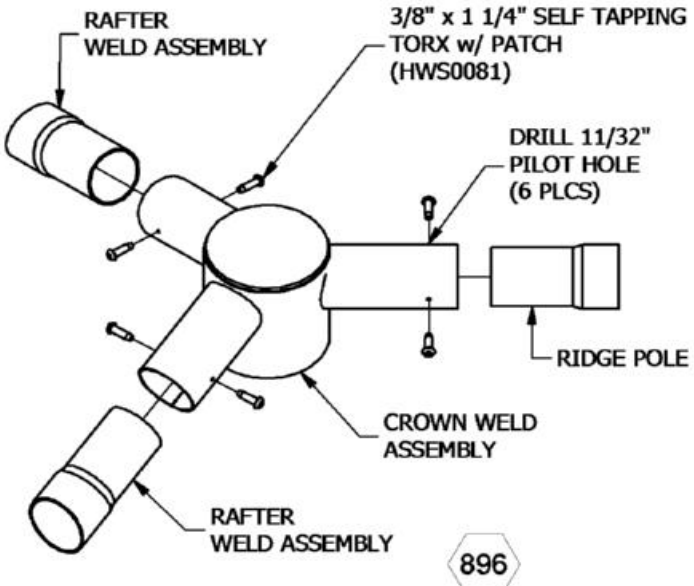



894

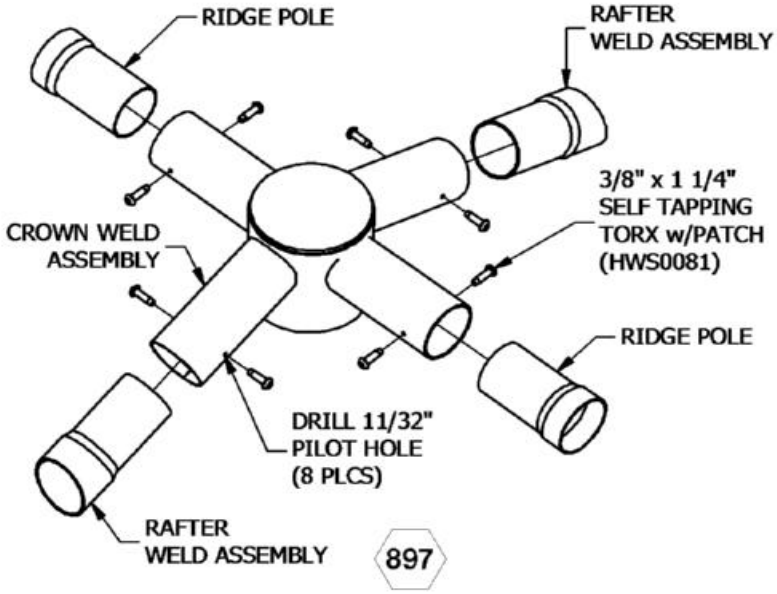
# 65222 SHADED SWING 1 BAY; 65223 SHADED SWING 2 BAY; 65224 SHADED SWING 3 BAY; 65225 SHADED SWING 4 BAY




895

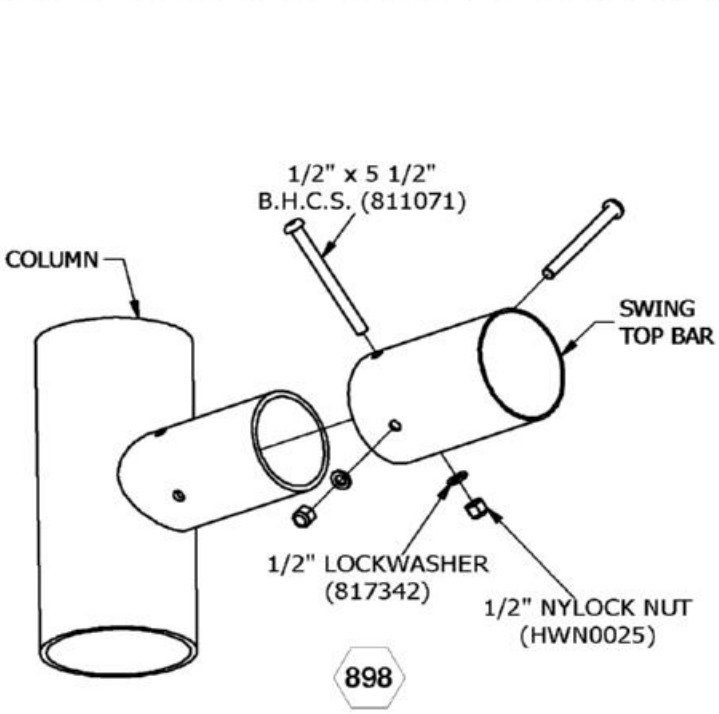



896

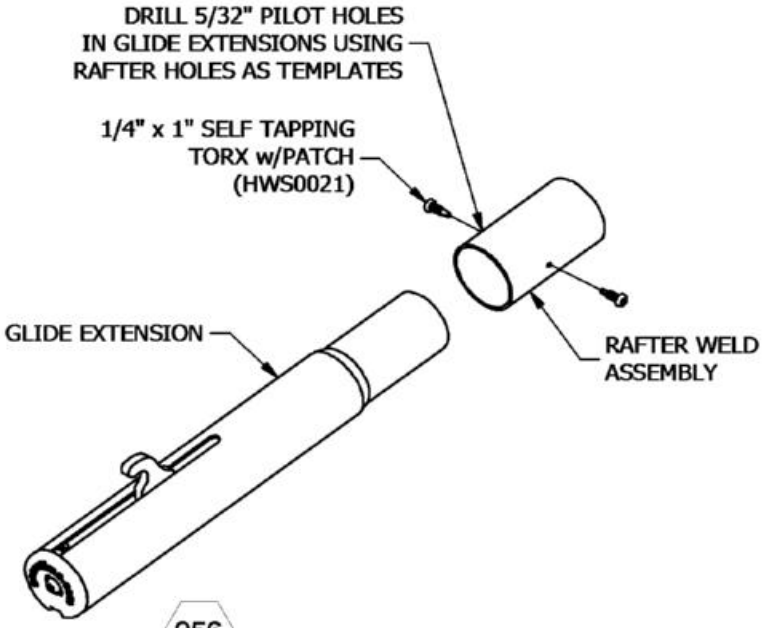



897

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

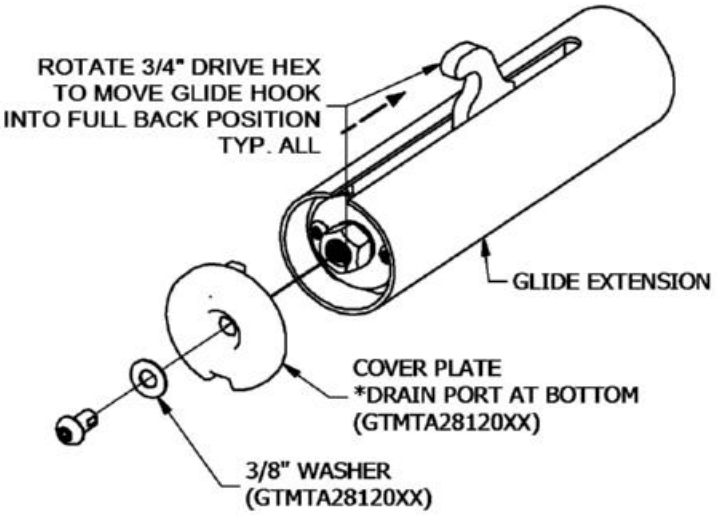



898

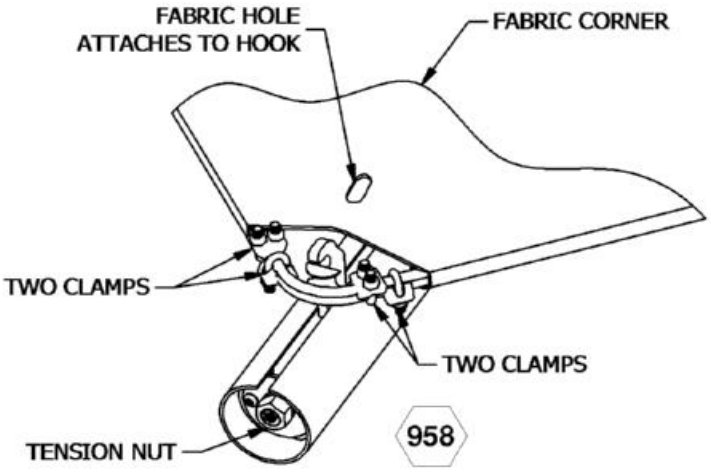



956

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




957



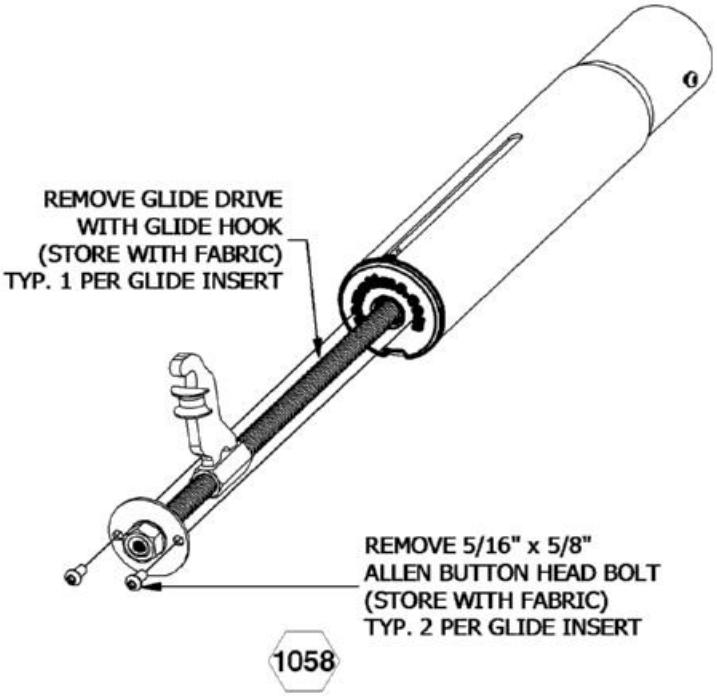

958

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

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

HARDWARE INCLUDED IN GTMTA28120XX GLIDE INSERT

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



Model No: _____

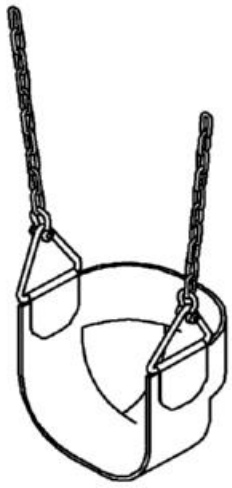
Desc: _____

# MODEL NO. 67590 SEAT

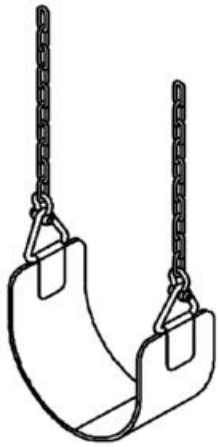
***ENCLOSED SEAT: 67590, 67591, 67592***
***67609, 67610, 67611***
***BUCKET SEAT: 67593, 67594, 67595***
***67612, 67613, 67614***
***BELT SEAT: 67596, 67597, 67598***
***67599,67600***
***67615, 67616, 67617***
***67618, 67619***



***ENCLOSED SEAT***



***BUCKET SEAT***



***BELT SEAT***

**SPECIFICATIONS:**

*Rights are reserved to disontinue or change specifications without notice.
*Bucket Seats shall be fabricated with .020" thick stainless steel inserts covered by a dark green colored EPDM rubber.
*Fully Enclosed Seats shall be fabricated with .025" thick stainless steel inserts covered by a dark green colored EPDM rubber.
*Commercial Belt Seat - an extra piece of fluted rubber at the front and back of seat gives it a cushion bumper.

***NOTE:** Weights are based on average comparisons of each part.

**MAINTENANCE PROCEDURE:**

Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Check 'S' Hooks at both ends and all connection points for wear. Check all moving part such as hangers for wear. Check 'S' Hooks as specified by ASTM F 1487 SECTION 6.3 for Entanglement. Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease. Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

# MODEL NO. 67590 SEAT

## STOP IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS STOP

- ☐ Replace all worn "S" Hooks. "S" Hooks must be completely closed. Failure to close "S" Hooks properly can result in serius injury to the user. Never reuse "S" Hooks.
- ☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. ***NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.*** A fall on a hard surface can result in serious injury to the equipment user.
- ☐ ***ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.***
- ☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- ☐ Equipment should be placed to eliminate conflicting traffic patterns.
- ☐ All protruding nuts and bolts should be covered; sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.
- ☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.
- ☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.
- ☐ ***PARK STRUCTURES®*** *PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATIONINSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.*
- ☐ Never add components not intended for use with this product.
- ☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.
- ☐ Proper maintenance of ***PARK STRUCTURES®*** equipment requires regular tightening of all bolts, nuts, and set screws.

### *PARTS LIST*

| *DESCRIPTION* | *NUMBER REQUIRED* | | | | | | *PART NUMBER* |
|---|---|---|---|---|---|---|---|
| | *67590* | *67591* | *67592* | *67609* | *67610* | *67611* | |
| Enclosed Tot Seat | 1 | 1 | 1 | 1 | 1 | 1 | 153746 |
| ***Hardware Complete*** | 1 | 0 | 0 | 0 | 0 | 0 | 166961 |
| ***Hardware Complete*** | 0 | 1 | 0 | 0 | 0 | 0 | 166962 |
| ***Hardware Complete*** | 0 | 0 | 1 | 0 | 0 | 0 | 166954 |
| ***Hardware Complete*** | 0 | 0 | 0 | 1 | 0 | 0 | 166969 |
| ***Hardware Complete*** | 0 | 0 | 0 | 0 | 1 | 0 | 166970 |
| ***Hardware Complete*** | 0 | 0 | 0 | 0 | 0 | 1 | 166958 |
| Swing Hanger (2-3/8" O.D) | 2 | 0 | 0 | 2 | 0 | 0 | 1461* |
| Swing Hanger (3 1/2" O.D) | 0 | 2 | 0 | 0 | 2 | 0 | 1462* |
| Swing Hanger (5" O.D) | 0 | 0 | 2 | 0 | 0 | 2 | 1463* |
| Chain (3'-10 3/8" Lg.) | 2 | 2 | 2 | 0 | 0 | 0 | 131904* |
| Coated Chain (3'-5 1/2" Lg.) | 0 | 0 | 0 | 2 | 2 | 2 | 141140* |
| Swing Clevis | 2 | 2 | 2 | 2 | 2 | 2 | 166683* |
| 1/2" Pin-In Hex Bit (5/16") | 1 | 1 | 1 | 1 | 1 | 1 | 812644* |

# MODEL NO. 67590 SEAT

## PARTS LIST

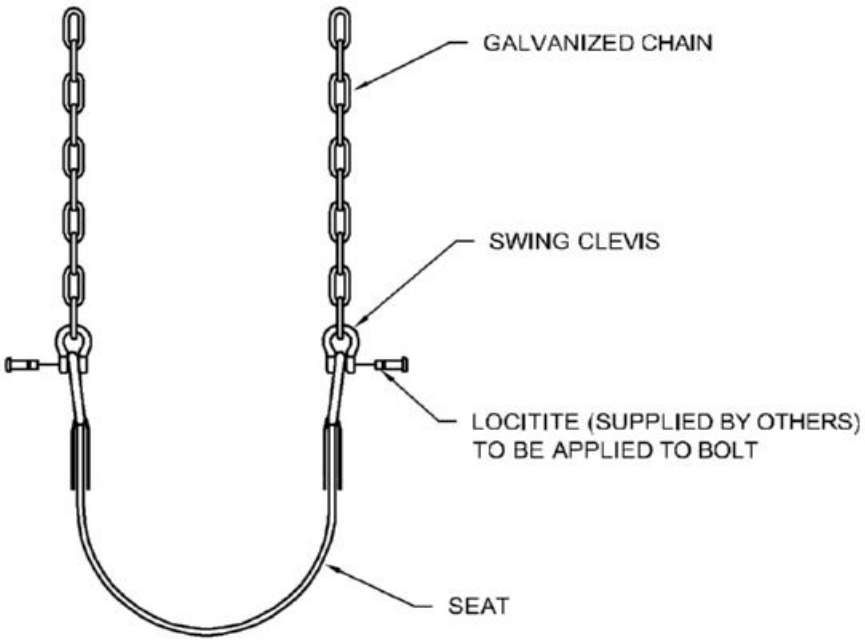
| DESCRIPTION | NUMBER REQUIRED | | | | | | PART NUMBER |
|---|---|---|---|---|---|---|---|
| | 67596 | 67597 | 67598 | 67599 | 67600 | 67617 | |
| Belt Seat | 1 | 1 | 1 | 1 | 1 | 1 | 153738 |
| **Hardware Complete** | 1 | 0 | 0 | 0 | 0 | 0 | 166889 |
| **Hardware Complete** | 0 | 1 | 0 | 0 | 0 | 0 | 166890 |
| **Hardware Complete** | 0 | 0 | 1 | 0 | 0 | 0 | 166957 |
| **Hardware Complete** | 0 | 0 | 0 | 1 | 0 | 0 | 166967 |
| **Hardware Complete** | 0 | 0 | 0 | 0 | 1 | 0 | 166968 |
| **Hardware Complete** | 0 | 0 | 0 | 0 | 0 | 1 | 166960 |
| Swing Hanger (2-3/8" O.D) | 2 | 0 | 0 | 2 | 0 | 0 | 1461* |
| Swing Hanger (3 1/2" O.D) | 0 | 2 | 0 | 0 | 2 | 0 | 1462* |
| Swing Hanger (5" O.D) | 0 | 0 | 2 | 0 | 0 | 2 | 1463* |
| Chain | 0 | 0 | 2 | 0 | 0 | 0 | 103052* |
| Coated Chain | 0 | 0 | 0 | 0 | 0 | 2 | 153854* |
| Chain | 2 | 2 | 0 | 2 | 0 | 0 | 166892* |
| Chain | 0 | 0 | 0 | 2 | 2 | 0 | 153867* |
| Swing Clevis | 2 | 2 | 2 | 2 | 2 | 2 | 166683* |
| 1/2" Pin-In Hex Bit (5/16") | 1 | 1 | 1 | 1 | 1 | 1 | 812644* |
| | | | 67615 | 67616 | 67618 | 67619 | |
| Belt Seat | | | 1 | 1 | 1 | 1 | 153738 |
| **Hardware Complete** | | | 1 | 0 | 0 | 0 | 166973 |
| **Hardware Complete** | | | 0 | 1 | 0 | 0 | 166974 |
| **Hardware Complete** | | | 0 | 0 | 1 | 0 | 166975 |
| **Hardware Complete** | | | 0 | 0 | 0 | 1 | 166976 |
| Swing Hanger (2-3/8" O.D) | | | 2 | 0 | 2 | 0 | 1461* |
| Swing Hanger (3 1/2" O.D) | | | 0 | 2 | 0 | 2 | 1462* |
| Coated Chain | | | 2 | 2 | 0 | 0 | 153869* |
| Coated Chain | | | 0 | 0 | 2 | 2 | 153868* |
| Swing Clevis | | | 2 | 2 | 2 | 2 | 166683* |
| 1/2" Pin-In Hex Bit (5/16") | | | 1 | 1 | 1 | 1 | 812644* |
| | 67593 | 67594 | 67595 | 67612 | 67613 | 67614 | |
| Bucket Seat | 1 | 1 | 1 | 1 | 1 | 1 | 153739 |
| **Hardware Complete** | 1 | 0 | 0 | 0 | 0 | 0 | 166963 |
| **Hardware Complete** | 0 | 1 | 0 | 0 | 0 | 0 | 166964 |
| **Hardware Complete** | 0 | 0 | 1 | 0 | 0 | 0 | 166955 |
| **Hardware Complete** | 0 | 0 | 0 | 1 | 0 | 0 | 166971 |
| **Hardware Complete** | 0 | 0 | 0 | 0 | 1 | 0 | 166972 |
| **Hardware Complete** | 0 | 0 | 0 | 0 | 0 | 1 | 166959 |
| Swing Hanger (2-3/8" O.D) | 2 | 0 | 0 | 2 | 0 | 0 | 1461* |
| Swing Hanger (3 1/2" O.D) | 0 | 2 | 0 | 0 | 2 | 0 | 1462* |
| Swing Hanger (5" O.D) | 0 | 0 | 2 | 0 | 0 | 2 | 1463* |
| Chain | 0 | 0 | 2 | 0 | 0 | 0 | 153866* |
| Coated Chain | 0 | 0 | 0 | 0 | 0 | 2 | 153865* |
| Chain | 2 | 2 | 0 | 0 | 0 | 0 | 103052* |
| Chain | 0 | 0 | 0 | 2 | 2 | 0 | 153864* |
| Swing Clevis | 2 | 2 | 2 | 2 | 2 | 2 | 166683* |
| 1/2" Pin-In Hex Bit (5/16") | 1 | 1 | 1 | 1 | 1 | 1 | 812644* |

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

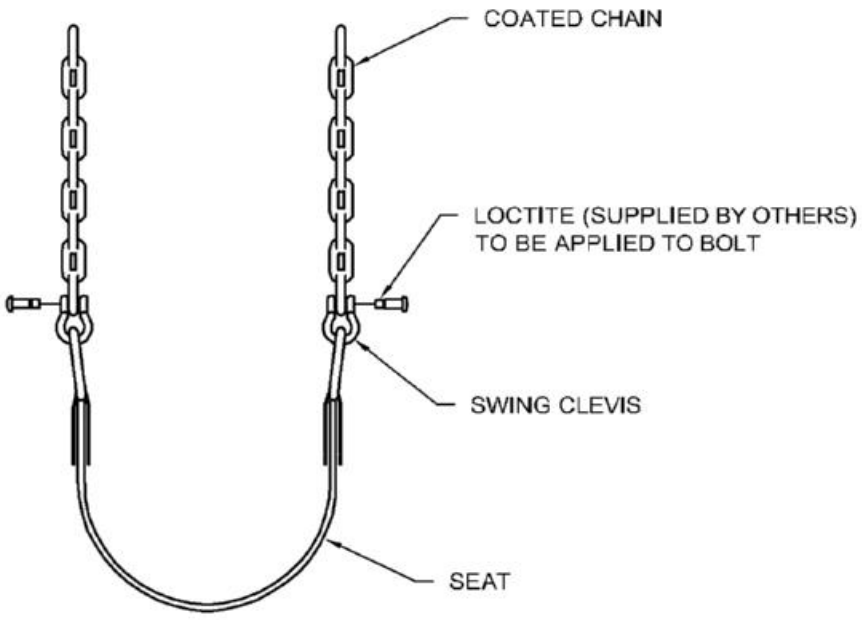
***Warning: Small parts and hardware items may present a potential choking hazard. Promptly remove all unused parts from play area.***

# MODEL NO. 67590 SEAT

**SEAT ASSEMBLY**
**(WITH GALVANIZED CHAIN)**




**SEAT ASSEMBLY**
**(WITH COATED CHAIN)**

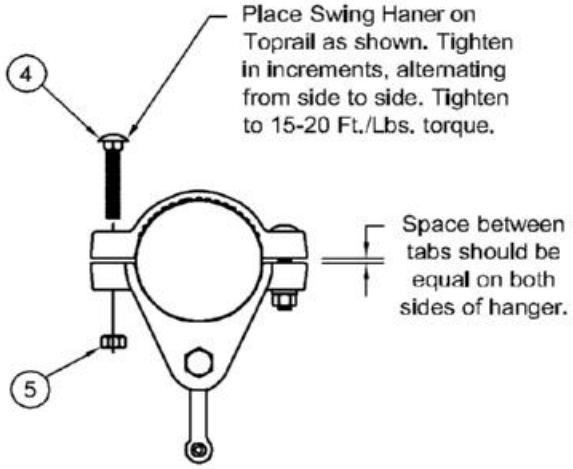


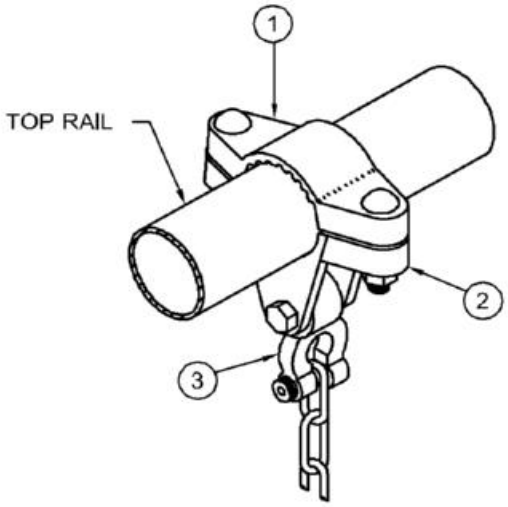
Model No: _____

Desc: _____

# MODEL NO. 1461 SWING HANGER

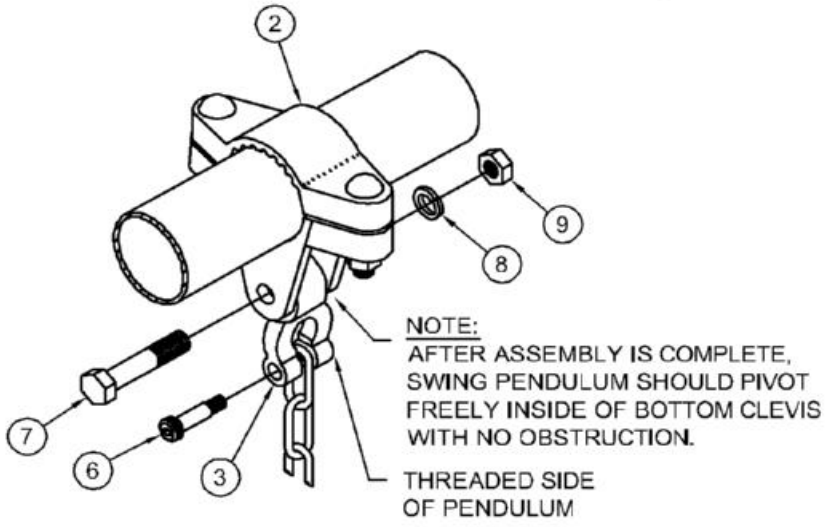
| | |
|---|---|
| **GALVANIZED** | **1461** |
| **GALVANIZED** | **1462** |
| **PAINTED** | **1463** |
| **PAINTED** | **1485** |
| **PAINTED** | **1486** |
| **GALVANIZED** | **1487** |




## *SPECIFICATIONS*

**MATERIAL:** All swing hanger castings shall be cast of malleable iron.
**HARDWARE:** All Carriage bolts, lockwashers, hex nuts, and shoulder bolts shall be zinc plated with a clear chromate coating.
**FINISH:** All top and bottom clevis parts shall be galvanized or powder coated. The swing pendulum shall be galvanized only.
**CONSTRUCTION:** The swing hanger shall consist of a top clevis, bottom clevis, and swing pendulum. The top clevis shall have a non-slip-serrated surface. The pendulum shall incorporate a factory installed bronze bushing. The pendulum shall be attached to the bottom clevis with 1/2" x 2-1/2" hex bolt, 1/2" lockwasher, and 1/2" hex nut. The top and bottom clevis shall be attached with 3/8" carriage bolt, 3/8" lockwasher, and 3/8" hex nut.
**SPECIFICATIONS:** ***PARK STRUCTURES*** has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.




| PAINTED | GALVANIZED | PIPE DIAMETER |
|---|---|---|
| *1485* | *1461* | *2-3/8" [6.03cm] O.D. Pipe* |
| *1486* | *1462* | *3-1/2" [8.89cm] O.D. Pipe* |
| *1463* | *1487* | *5" [12.70cm] O.D. Pipe* |

# MODEL NO. 1461 SWING HANGER

## PARTS LIST

| Ref. NO. | DESCRIPTION | NO. REQUIRED | | | | | | PART NO. |
|---|---|---|---|---|---|---|---|---|
| | | 1461 | 1462 | 1463 | 1485 | 1486 | 1487 | |
| 1 | Top Clevis | 1 | 0 | 0 | 0 | 0 | 0 | 157000 |
| 1 | Top Clevis | 0 | 1 | 0 | 0 | 0 | 0 | 157002 |
| 1 | Top Clevis | 0 | 0 | 1 | 0 | 0 | 0 | 157382 |
| 1 | Top Clevis | 0 | 0 | 0 | 1 | 0 | 0 | 158223 |
| 1 | Top Clevis | 0 | 0 | 0 | 0 | 1 | 0 | 158221 |
| 1 | Top Clevis | 0 | 0 | 0 | 0 | 0 | 1 | 157005 |
| 2 | Bottom Clevis | 1 | 0 | 0 | 0 | 0 | 0 | 157011 |
| 2 | Bottom Clevis | 0 | 1 | 0 | 0 | 0 | 0 | 157012 |
| 2 | Bottom Clevis | 0 | 0 | 1 | 0 | 0 | 0 | 157383 |
| 2 | Bottom Clevis | 0 | 0 | 0 | 1 | 0 | 0 | 158233 |
| 2 | Bottom Clevis | 0 | 0 | 0 | 0 | 1 | 0 | 158230 |
| 2 | Bottom Clevis | 0 | 0 | 0 | 0 | 0 | 1 | 157013 |
| 3 | Swing Pendulum | 1 | 1 | 1 | 1 | 1 | 1 | 157010 |
| 4 | 3/8" x 2" Carriage Bolt | 2 | 2 | 0 | 2 | 2 | 0 | 800256 |
| 4 | 3/8" x 1-3/4" Carriage Bolt | 0 | 0 | 2 | 0 | 0 | 2 | 800290 |
| 5 | 3/8" Lock Nut | 2 | 2 | 2 | 2 | 2 | 2 | 804353 |
| 6 | 3/8" x 1" Shoulder Bolt | 1 | 1 | 1 | 1 | 1 | 1 | 811226 |
| 7 | 1/2" x 2-1/2" Hex Bolt | 1 | 1 | 1 | 1 | 1 | 1 | 801200 |
| 8 | 1/2" Lockwasher | 1 | 1 | 1 | 1 | 1 | 1 | 817342 |
| 9 | 1/2" Hex Nut | 1 | 1 | 1 | 1 | 1 | 1 | 804055 |

***Unless otherwise specified, all units of measure are each.***

# 7343 20" ONE SIDED PIANO ROTOGEN
# 7344 20" TWO SIDED PIANO ROTOGEN

| Parts List | | | |
|---|---|---|---|
| DESCRIPTION | 7343 | 7344 | PART NUMBER |
| SPACER | 6 | 0 | 212416 |
| PIANO SENSOR 20" ROTOGEN | 1 | 0 | 218237 |
| PIANO SENSOR w/BACK 20" ROTOGEN | 0 | 1 | 218238 |
| ***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. | 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" T-NUT | 4 | 0 | 804556 |
| 3/8" BARREL NUT | 1 | 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.***

# 7343 20" ONE SIDED PIANO ROTOGEN
# 7344 20" TWO SIDED PIANO 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 Piano 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 Piano 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.

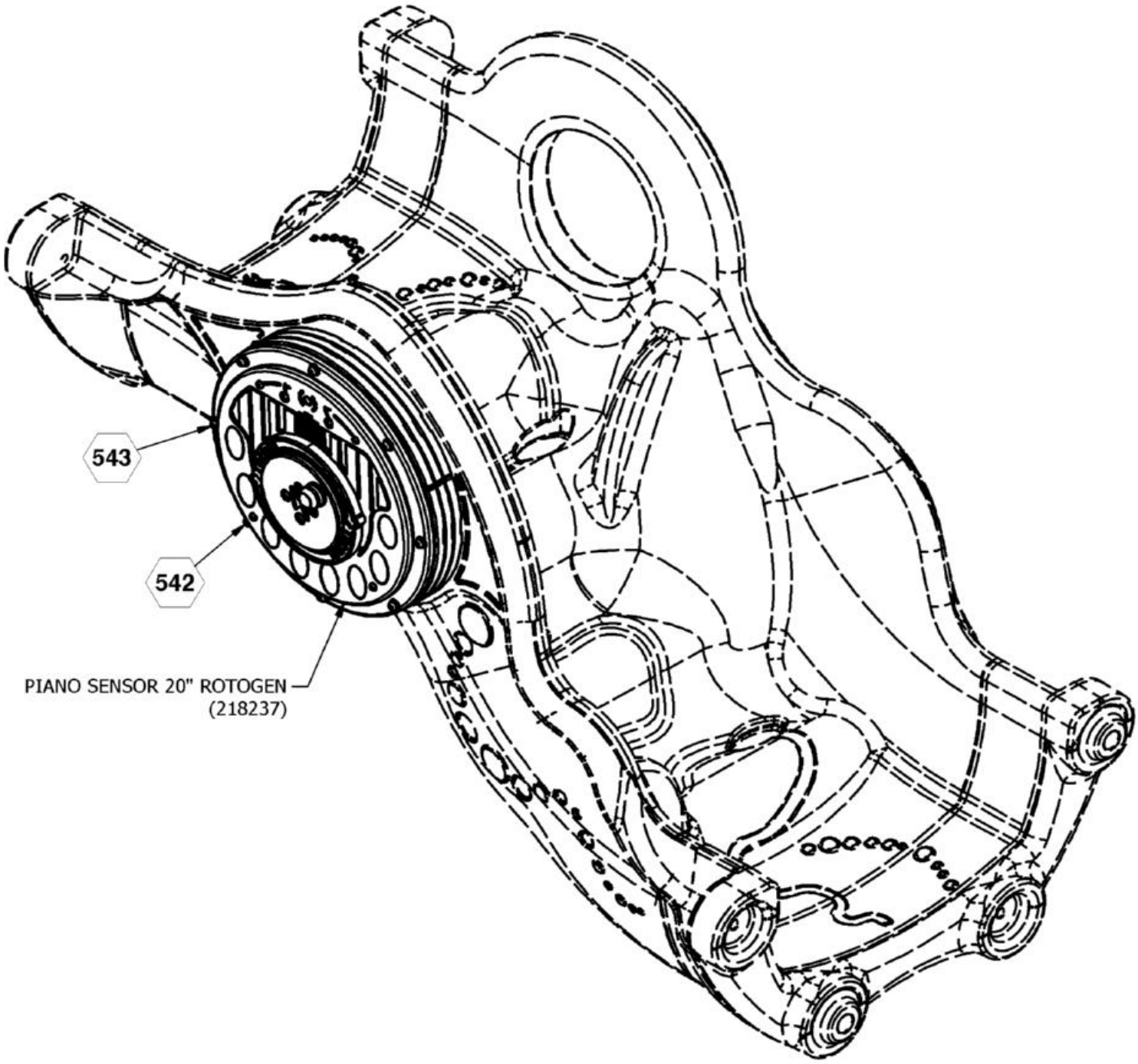
## INSTALLATION INSTRUCTIONS:

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 Piano 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.

# 7343 20" ONE SIDED PIANO ROTOGEN
# 7344 20" TWO SIDED PIANO ROTOGEN



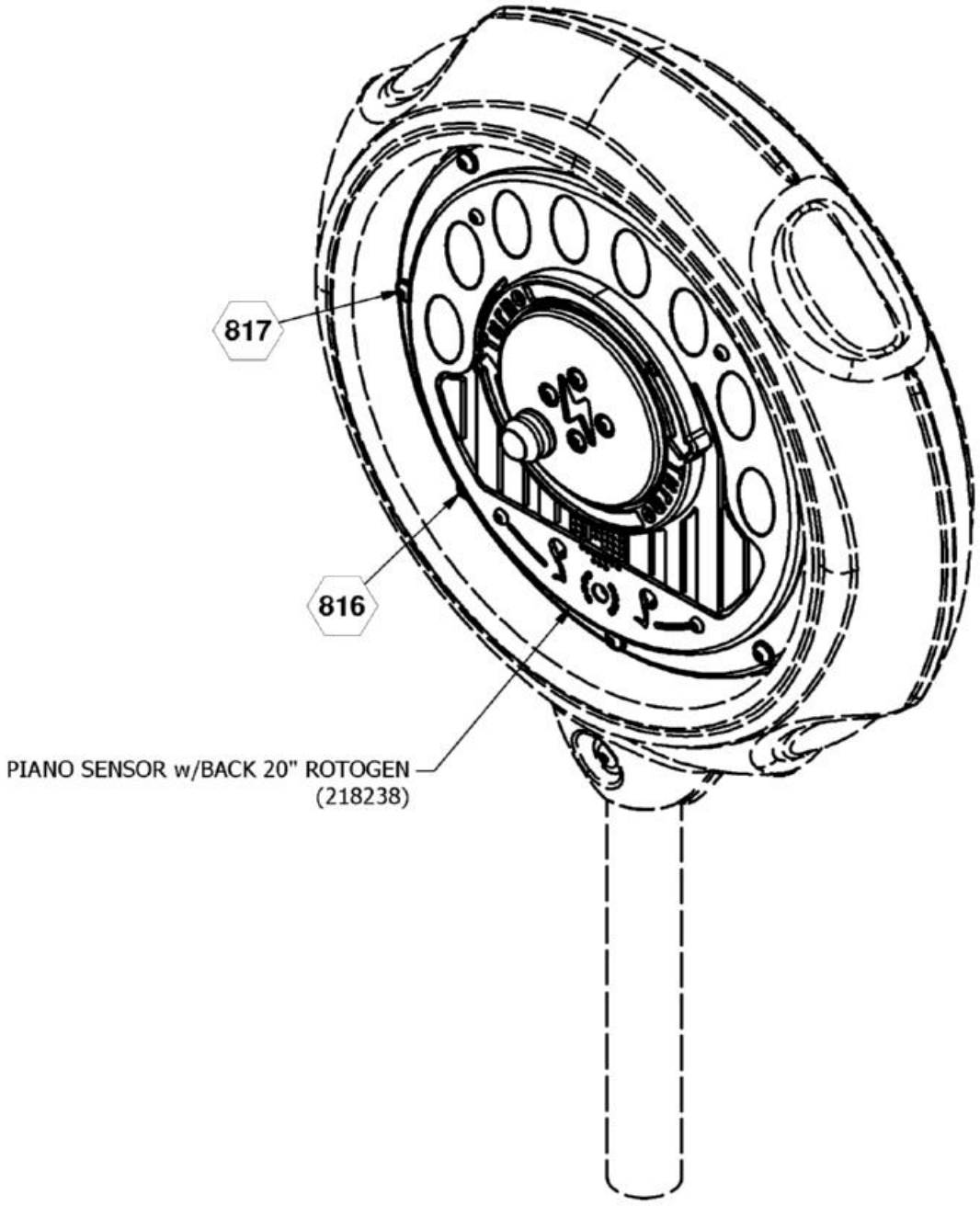

***FINISHED ASSEMBLY***
***7343 SHOWN***

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 5/6/2022

# 7343 20" ONE SIDED PIANO ROTOGEN
# 7344 20" TWO SIDED PIANO ROTOGEN



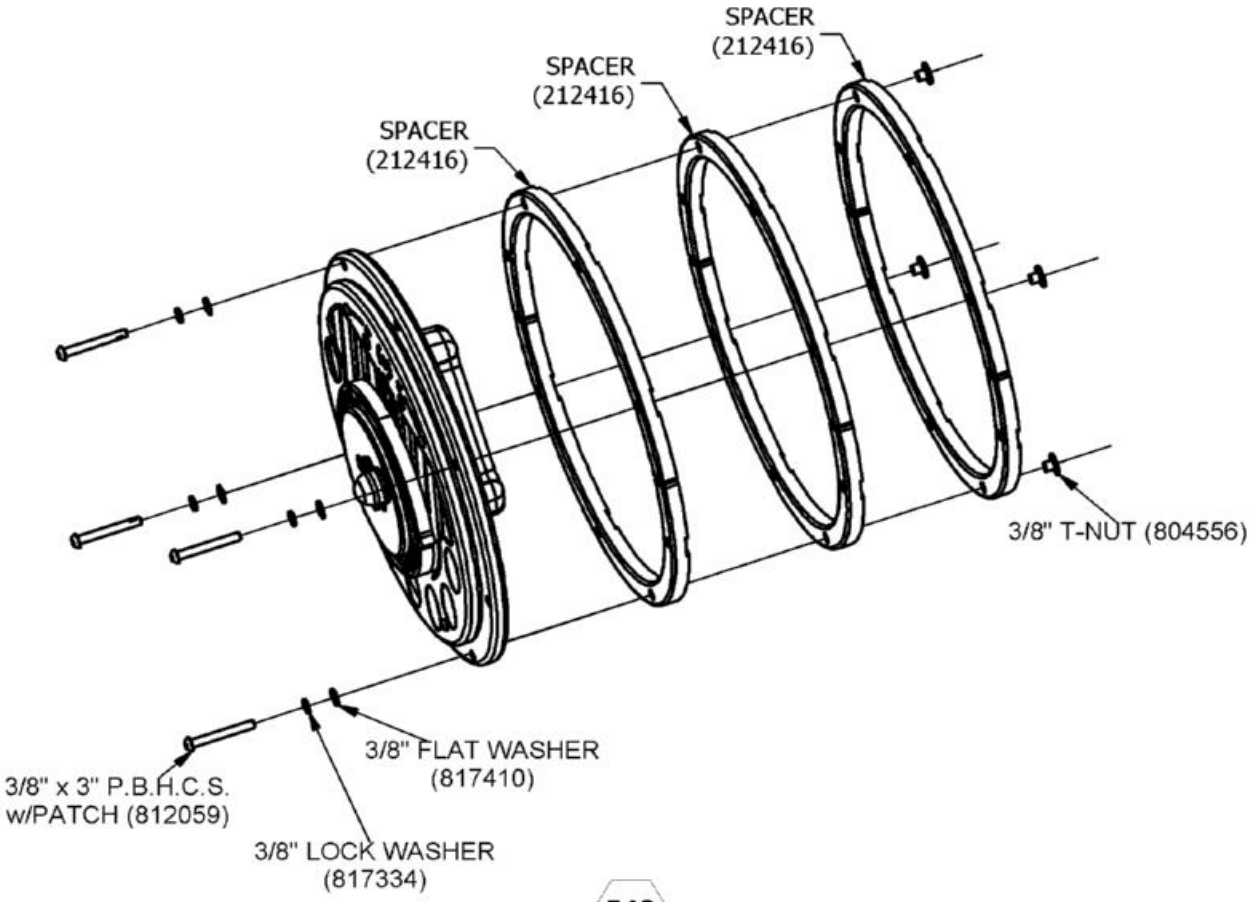

***FINISHED ASSEMBLY***
***7344 SHOWN***

= INSTALLATION DETAIL

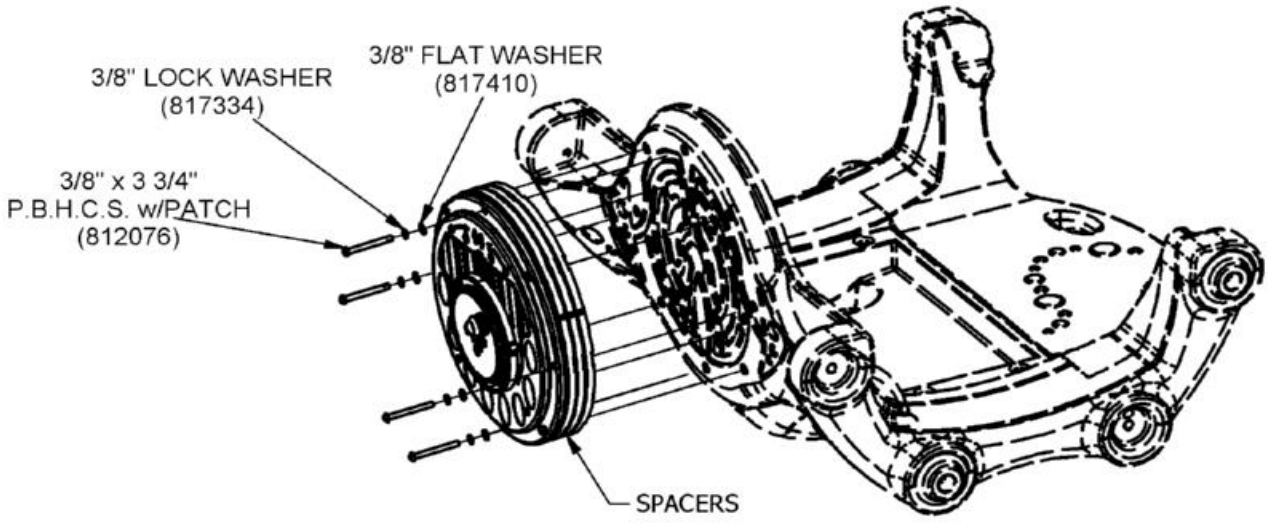
COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 5/6/2022

# 7343 20" ONE SIDED PIANO ROTOGEN
# 7344 20" TWO SIDED PIANO ROTOGEN

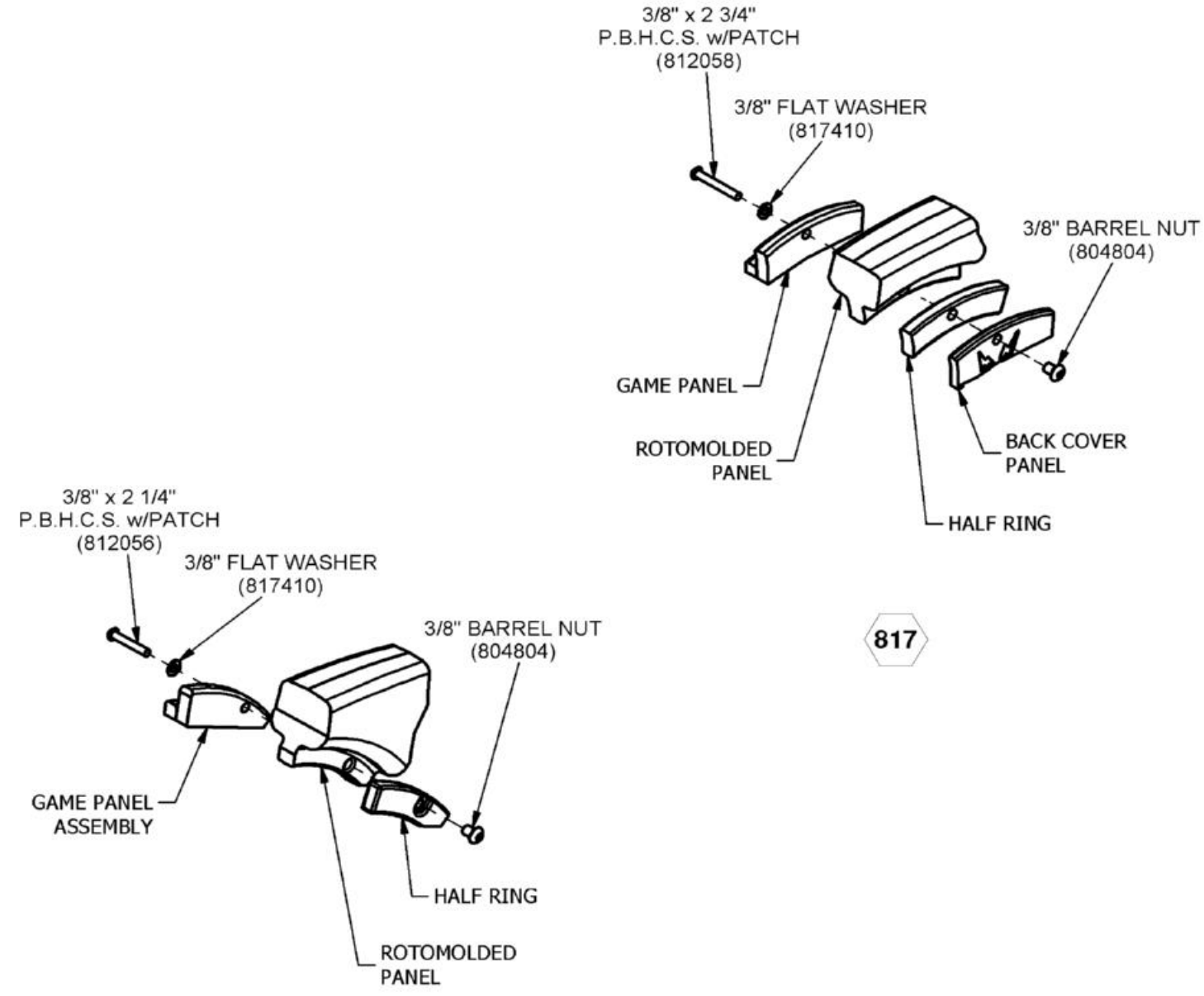



542




543

# 7343 20" ONE SIDED PIANO ROTOGEN
# 7344 20" TWO SIDED PIANO ROTOGEN



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

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

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

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

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

## ***SPECIFICATIONS:***

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

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

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

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

## INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*
2. Attach Wave Sounds One Sided to Spacers using 3/8" x 3" P.B.H.C.S. w/Patch, 3/8" Lock Washer, 3/8" Flat Washer, and 3/8" T-Nut. See Detail 542.
3. Attach Wave Sounds One Sided and Spacers to Rotomold using 3/8" x 3 3/4" P.B.H.C.S. w/Patch, 3/8" Lock Washer, and 3/8" Flat Washer. See Detail 543.
4. Batteries (supplied by others) should be installed in water tight housing. See Detail 544.
5. Plumb and level the entire assembly and tighten all fasteners.
6. After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use. Temporary bracing may be required until concrete cures.
7. When structure is finished and satisfactory, eliminate sharp points and edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

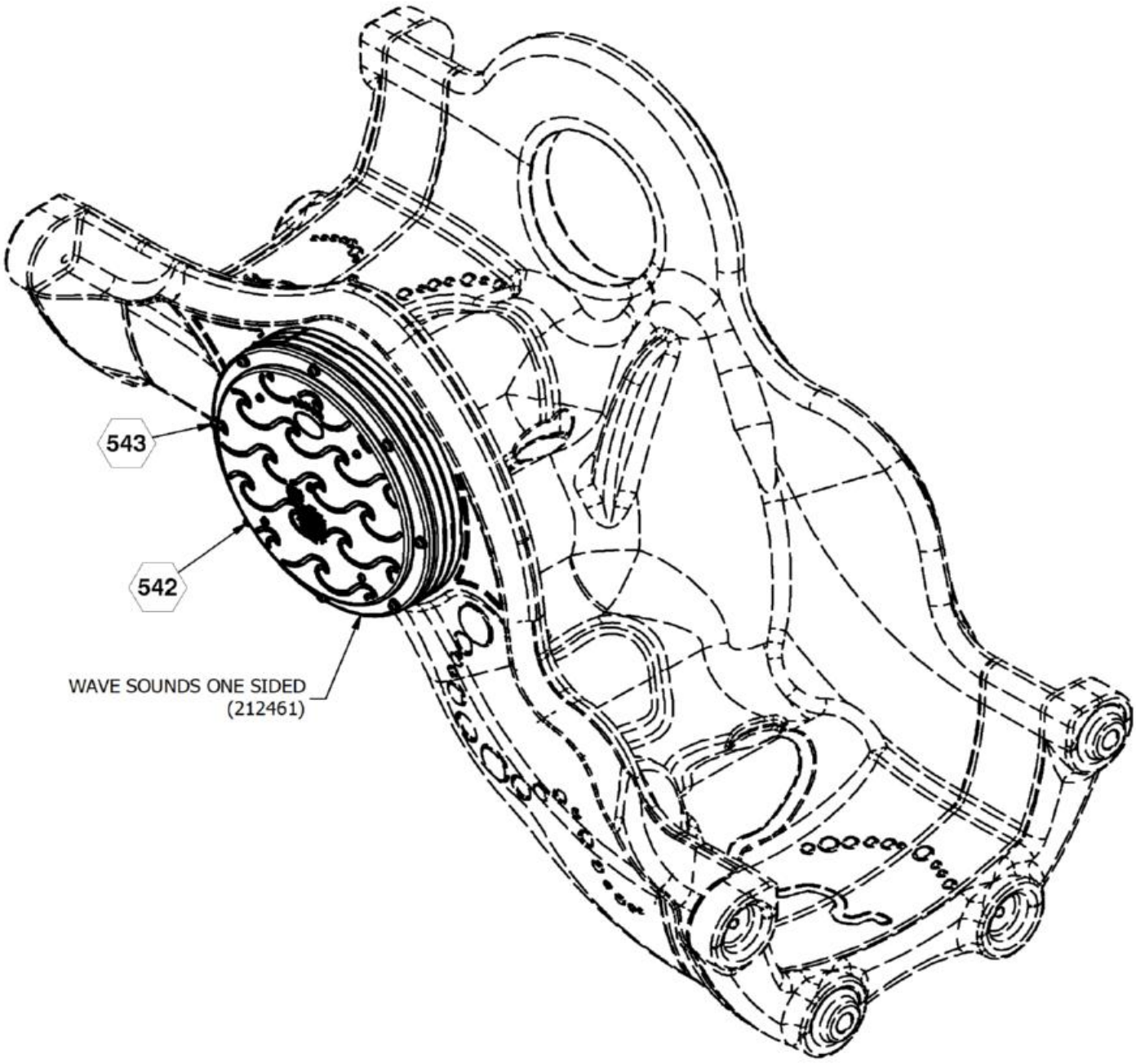
## INSTALLATION INSTRUCTIONS:

1. Locate and dig footing holes according to Plan View. See Plan View for dimensions and notes regarding sufacing, etc. **NOTE:** *Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.*
2. Attach Wave Sounds Two Sided and Rings to Rotomold using 3/8" x 2 1/4" P.B.H.C.S. w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 816.
3. Attach Back Cover to Rotomold using 3/8" x 2 3/4" P.B.H.C.S w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 817.
4. Batteries (supplied by others) should be installed in water tight housing. See Detail 544.
5. Plumb and level the entire assembly and tighten all fasteners.
6. After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use. Temporary bracing may be required until concrete cures.
7. When structure is finished and satisfactory, eliminate sharp points and edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

## MAINTENANCE PROCEDURE:

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

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



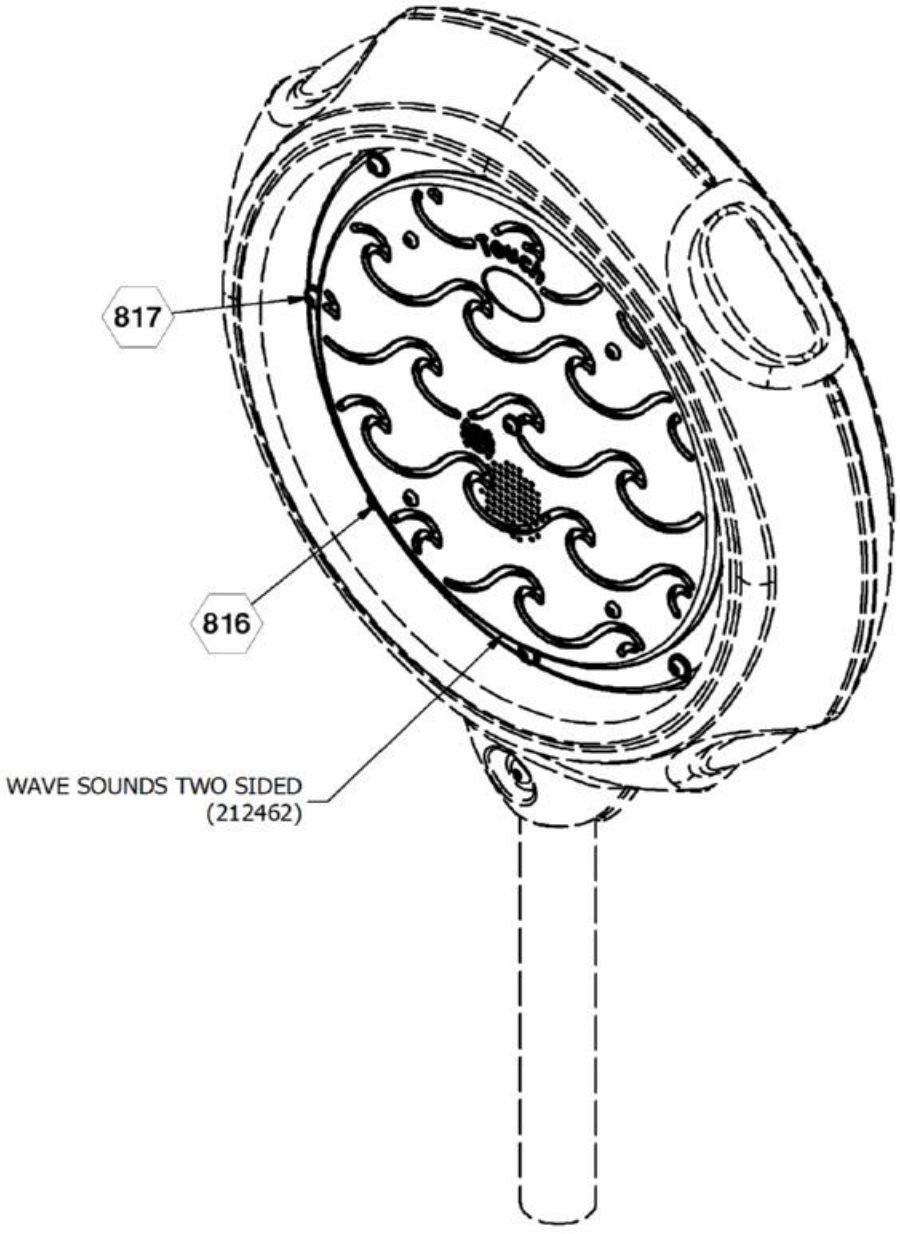

***FINISHED ASSEMBLY***
***7345 SHOWN***

⬡ = INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 2/2/2017

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



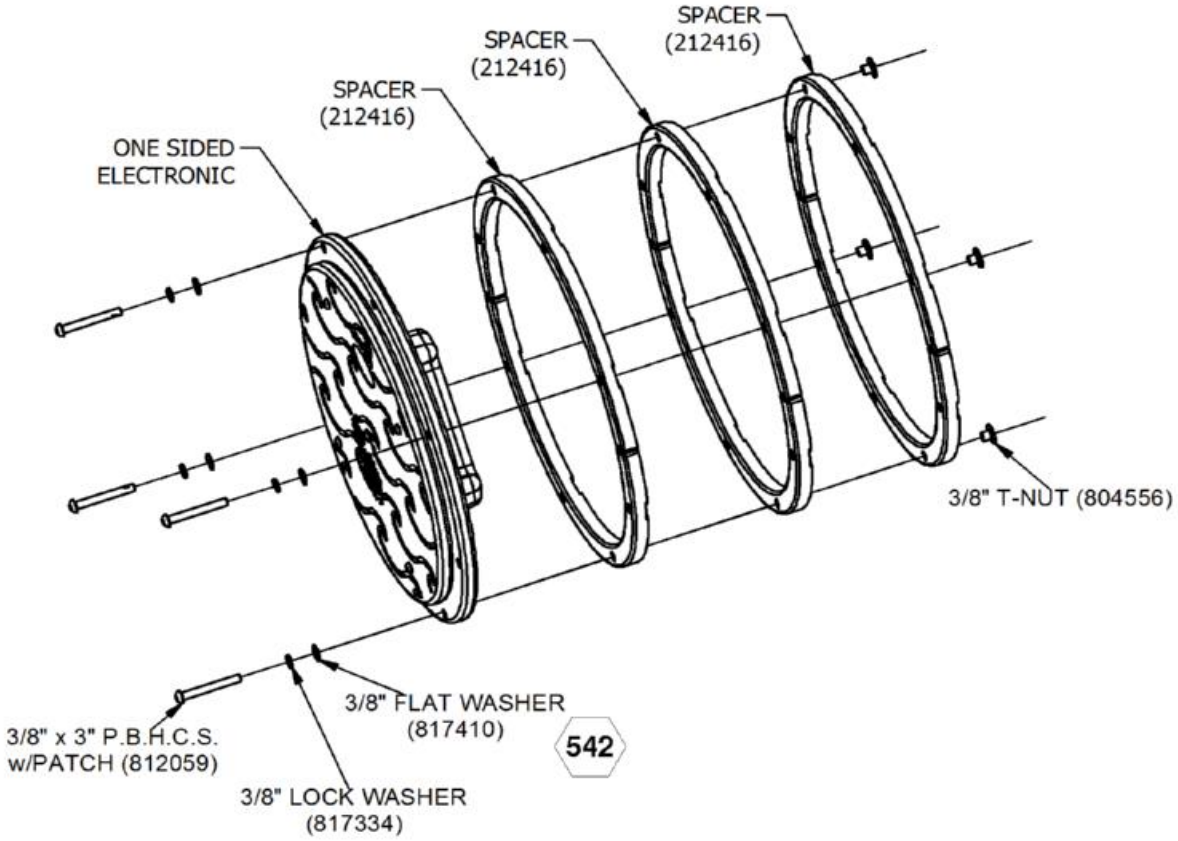

⬡ = INSTALLATION DETAIL

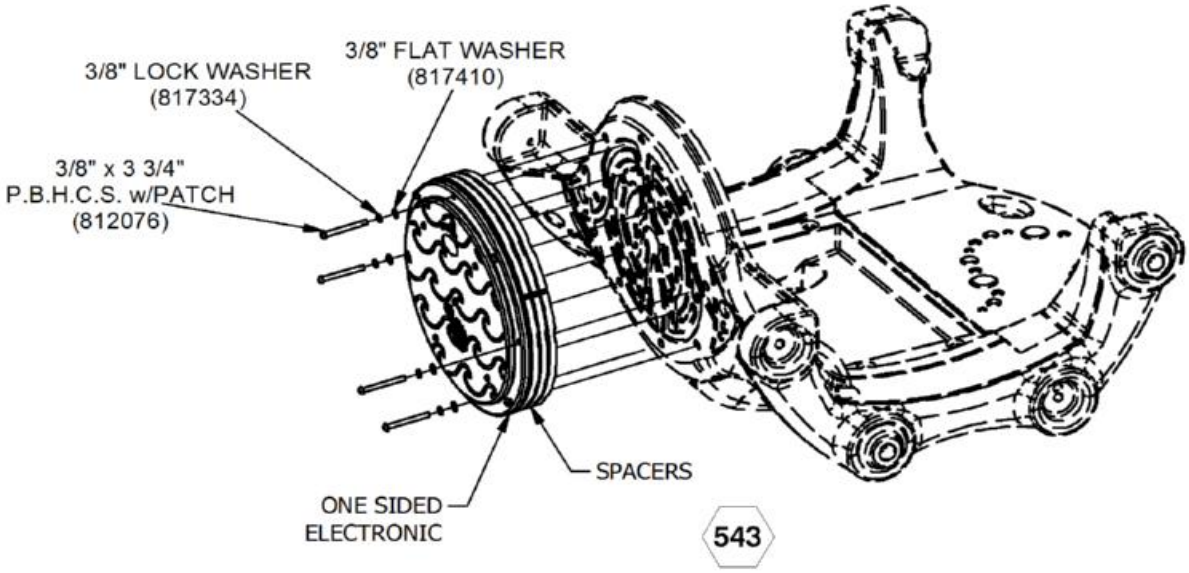
Issued/Revised: 2/2/2017

***FINISHED ASSEMBLY***
***7346 SHOWN***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

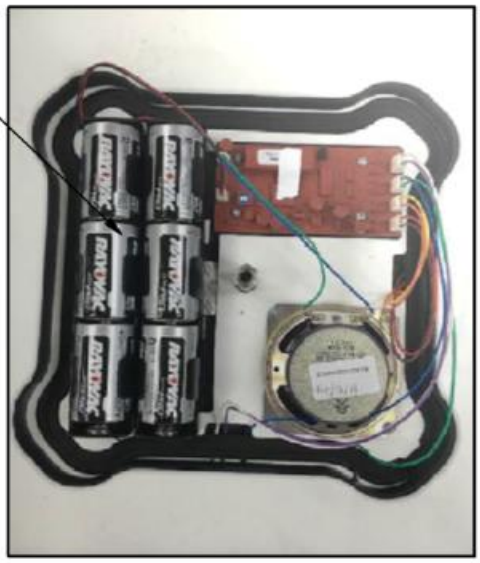
# 7345 20" ONE SIDED WATER WAVES w/ADAPTIVE SWITCH PORT
# 7346 20" TWO SIDED WATER WAVES w/ADAPTIVE SWITCH PORT



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

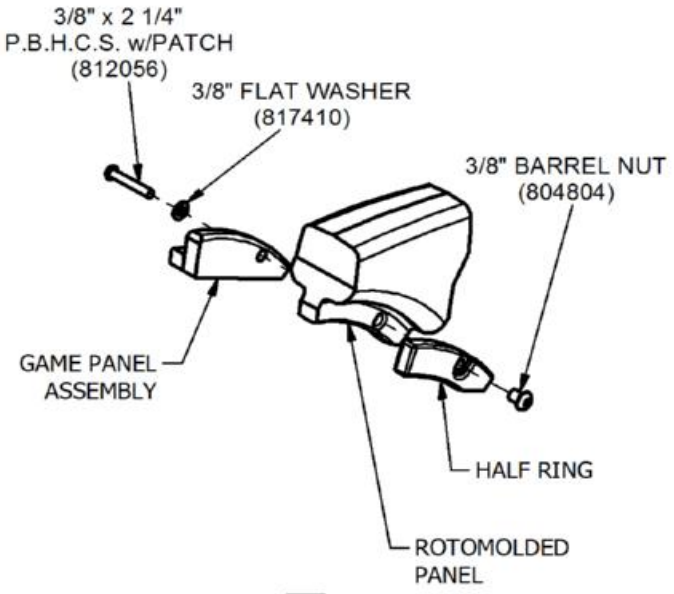
BATTERY REPLACEMENT
(6) D-CELL BATTERIES



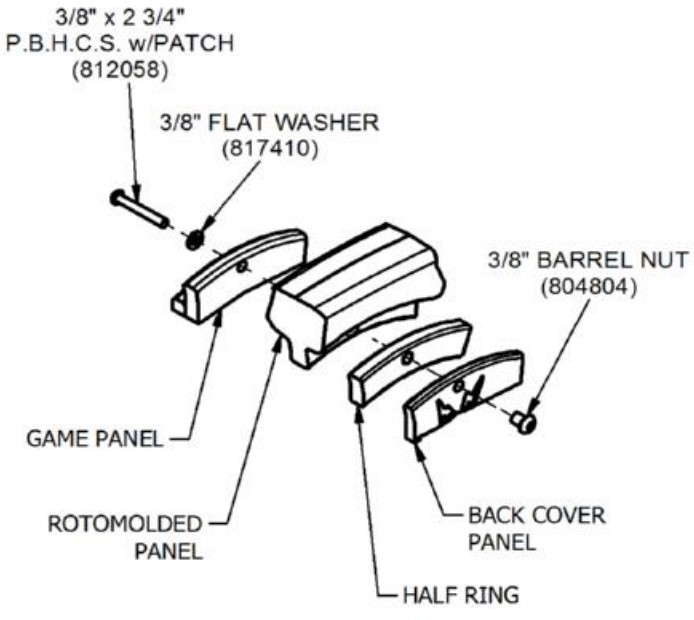
TO REPLACE BATTERIES OR ADJUST VOLUME REMOVE BACK OF BOX WITH TOOL PROVIDED.

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

544




816




817

# 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.

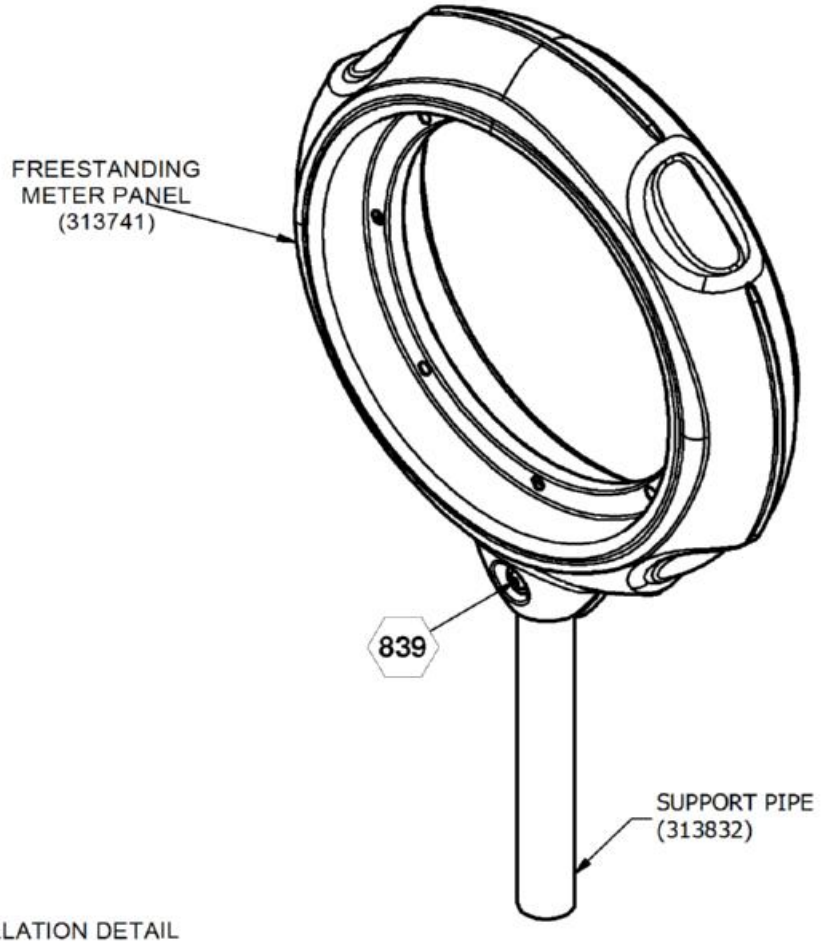
3. Plumb and level the entire assembly and tighten all fasteners.

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:***

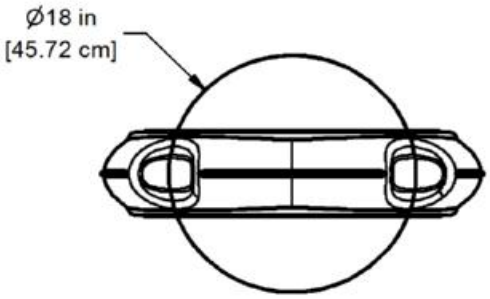
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check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

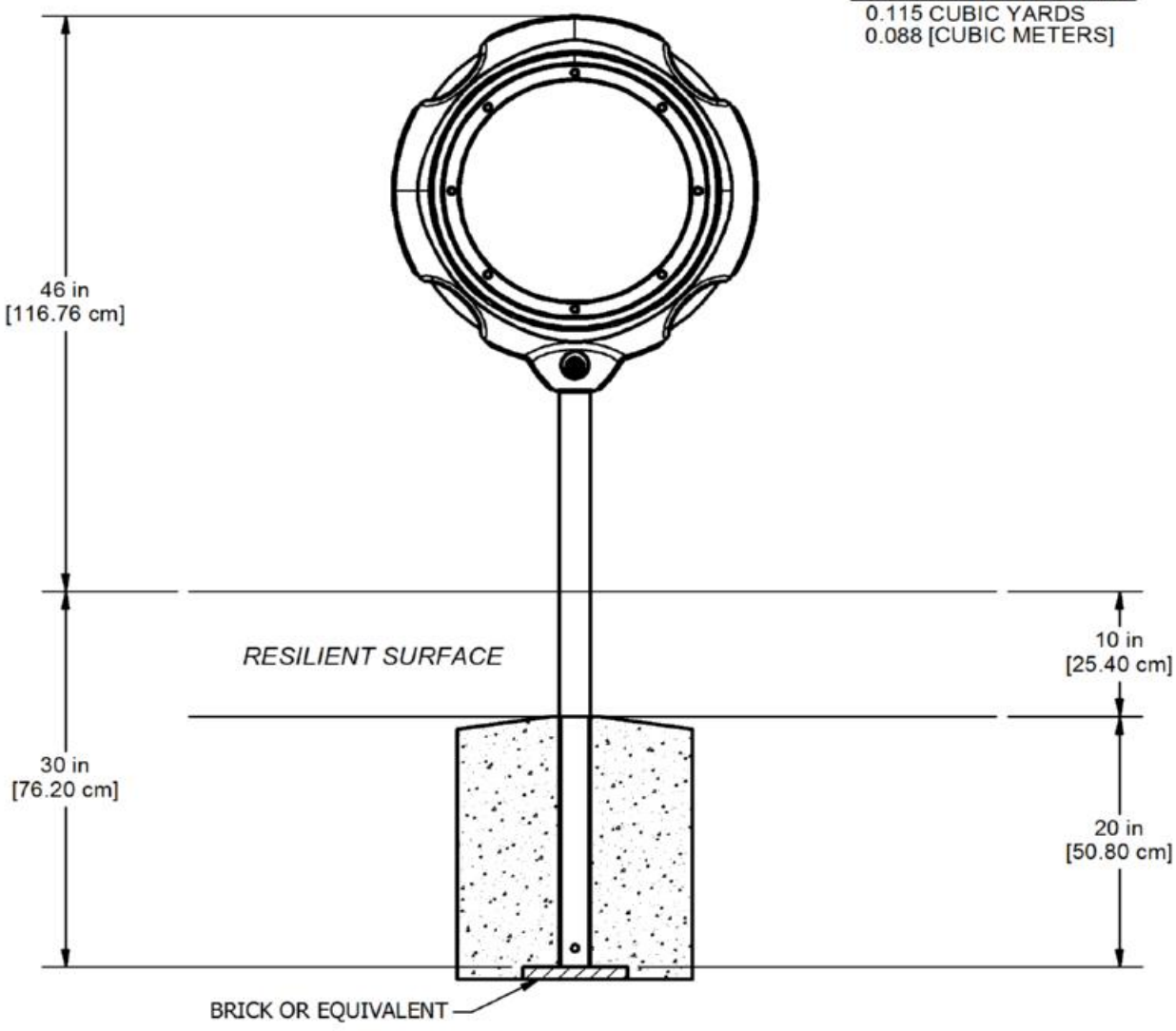
***FINISHED ASSEMBLY***

# 68115 ACTIVITY METER



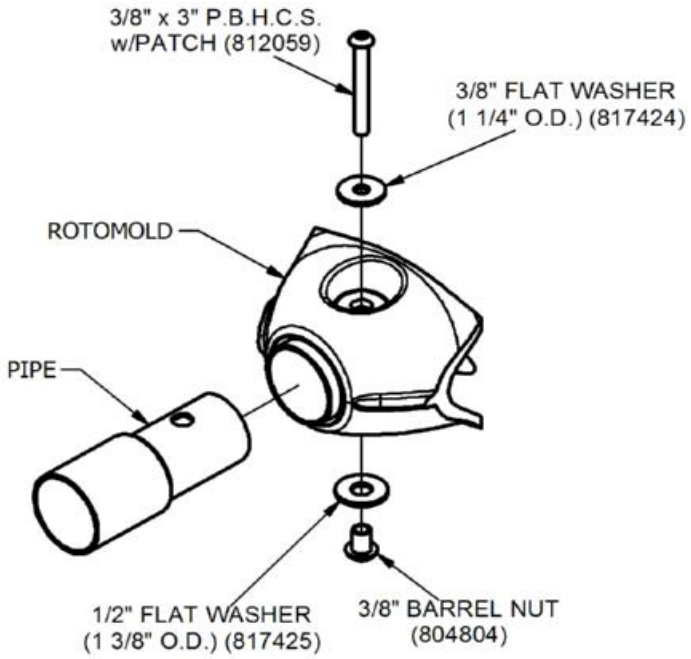

***PLAN VIEW***

**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

# 65297 BUNGALOW PLAYHOUSE

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| HDPE HAMMER | 2 | 212170 |
| SMALL BELL WELD ASS'Y | 2 | 212180 |
| FIREPLACE PANEL | 1 | 317350 |
| CONNECTOR PLATE | 4 | 317352 |
| CROSSBAR PIPE ASSEMBLY | 4 | 317355 |
| FIREPLACE SPINNER GRAPHIC | 1 | 317358 |
| ROOF PEAK | 1 | 317360 |
| FLOWER A | 5 | 317361 |
| FLOWER B | 1 | 317362 |
| FLOWER C | 1 | 317575 |
| FLOWER D | 1 | 317576 |
| SIDING CONNECTOR | 2 | 317364 |
| UPRIGHT FRAMING WELDMENT | 4 | 317366 |
| FRAME TAB | 2 | 317370 |
| FRIDGE DOOR | 1 | 317371 |
| FRIDGE GRAPHIC | 1 | 317372 |
| KITCHEN PANEL | 1 | 317373 |
| KNOB | 2 | 317374 |
| OVEN COVER | 1 | 317375 |
| ROOF | 2 | 317377 |
| WALL A | 2 | 317378 |
| WALL B | 1 | 317379 |
| WALL C | 1 | 317380 |
| ENTRY FASCIA A | 2 | 317381 |
| ENTRY FASCIA B | 2 | 317382 |
| ENTRY FASCIA C | 2 | 317383 |
| SPATULA | 1 | 317384 |
| SPOON | 1 | 317385 |
| STOVE PANEL GRAPHIC | 1 | 317386 |
| SUPPORT STRIP | 4 | 317388 |
| HDPE PLUG A | 2 | 317475 |
| BIG BUSH | 1 | 317478 |
| CAT APPLIQUE | 1 | 317479 |
| FIREPLACE LEXAN COVER | 1 | 317480 |
| HOUR HAND | 1 | 317481 |
| LOG STACK | 1 | 317482 |
| 3/4" LG. SPACER | 4 | 317483 |
| DOOR TRACK PART A | 2 | 318255 |
| DOOR TRACK PART B | 2 | 318256 |
| ***HARDWARE COMPLETE*** | 1 | 317389 |
| 5/16" x 3/4" P.B.H.C.S. w/PATCH | 12 | 812040 |
| 5/16" FLAT WASHER (11/16" O.D.) | 12 | 817406 |
| NUT 5/16"- INSERT TYPE 1 | 12 | HWN0149 |
| 3/8" x 3/4" P.B.H.C.S. w/PATCH | 41 | 812052 |

# 65297 BUNGALOW PLAYHOUSE

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| 3/8" x 1" P.B.H.C.S. w/PATCH | 5 | 812050 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 7 | 812051 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 15 | 812053 |
| 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 18 | 812054 |
| 3/8" x 2" P.B.H.C.S. w/PATCH | 8 | 812055 |
| 3/8" x 2 1/2" P.B.H.C.S. w/PATCH | 4 | 812057 |
| 3/8" x 2 3/4" P.B.H.C.S. w/PATCH | 38 | 812058 |
| 3/8" x 3 1/4" P.B.H.C.S. w/PATCH | 2 | 812060 |
| 3/8" x 3 1/2" P.B.H.C.S. w/PATCH | 20 | 812075 |
| 3/8" LOCK WASHER | 136 | 817334 |
| 3/8" FLAT WASHER | 149 | 817410 |
| 3/8" FLAT WASHER (1 1/4" O.D.) | 8 | 817424 |
| 3/8" PLASTIC WASHER | 5 | 817612 |
| 3/8" T-NUT | 14 | 804556 |
| 3/8" HEX NUT | 1 | 804053 |
| 3/8" BARREL NUT | 125 | 804804 |
| 3/8" REGULAR FLANGE LOCKING HEX NUT | 8 | 804365 |
| 1/2" FLAT WASHER (1 3/8" O.D.) | 8 | 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.***

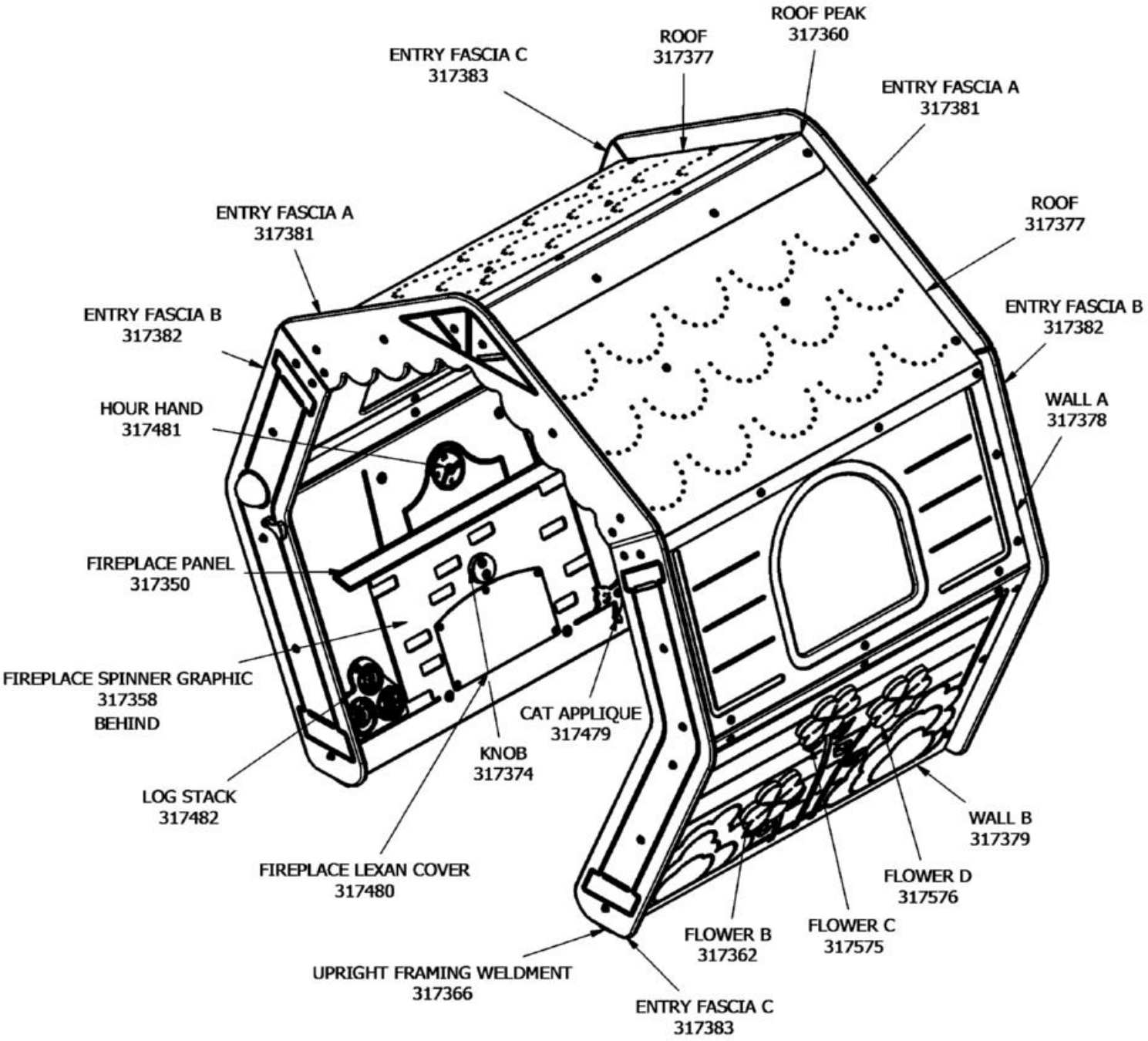
***Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.***

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

## 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.

# 65297 BUNGALOW PLAYHOUSE



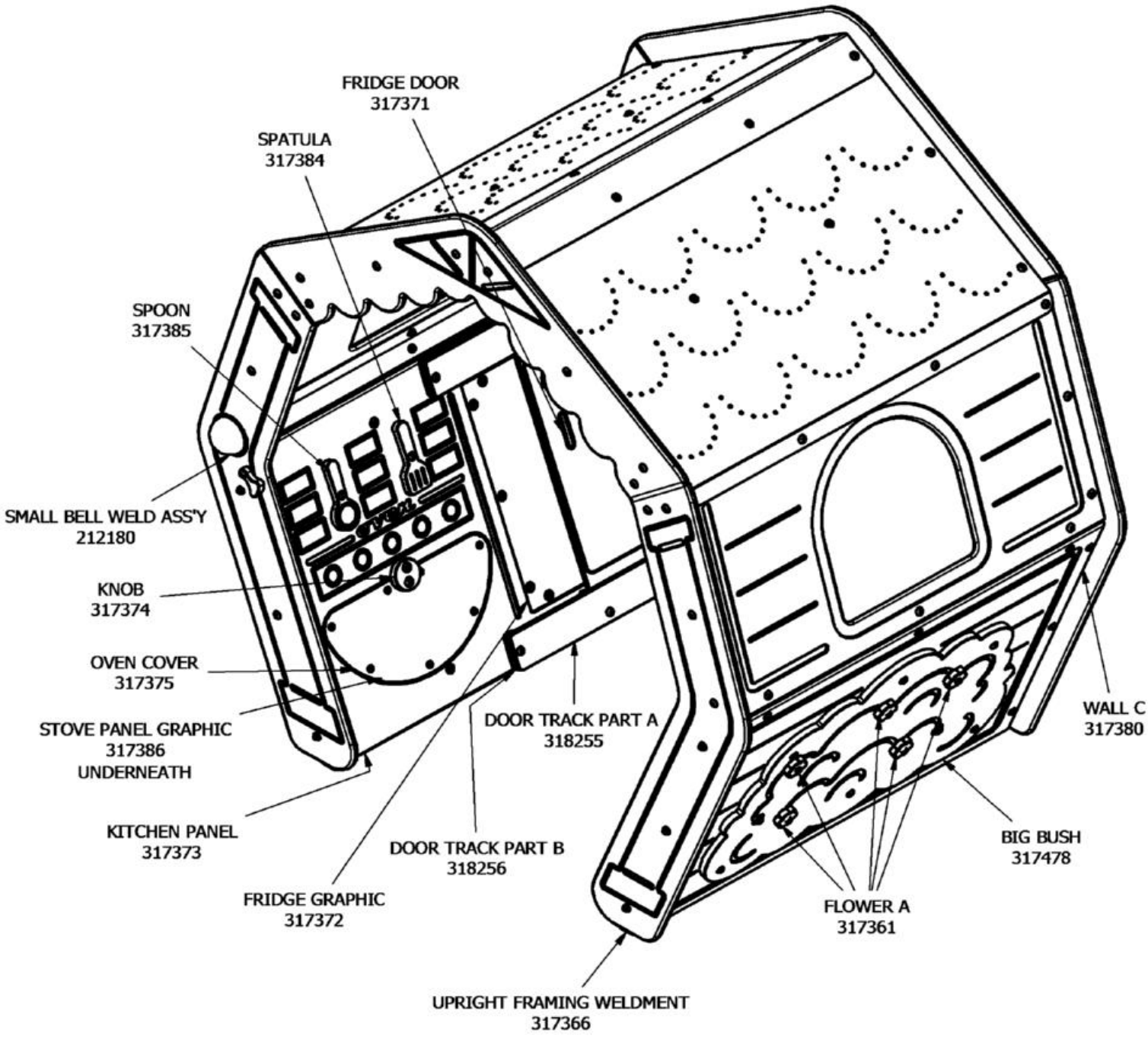

= INSTALLATION DETAIL

COMPONENTS SHOWN IN HIDDEN LINES ARE SOLD SEPARATELY

Issued/Revised: 7/1/2025

***FINISHED ASSEMBLY***

# 65297 BUNGALOW PLAYHOUSE



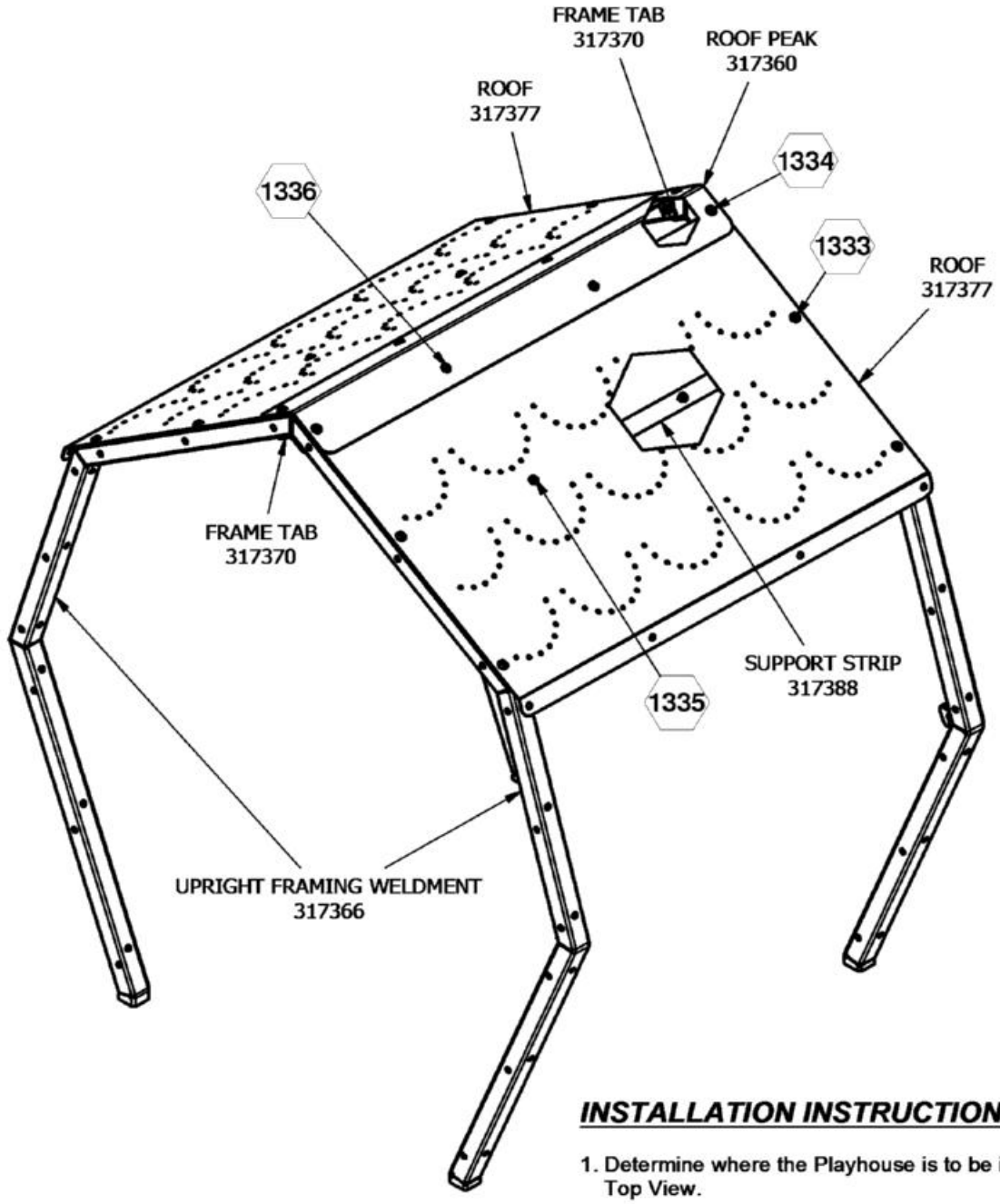

= INSTALLATION DETAIL

Issued/Revised: 7/1/2025

***FINISHED ASSEMBLY***

COMPONENTS SHOWN IN
HIDDEN LINES ARE SOLD SEPARATELY

# 65297 BUNGALOW PLAYHOUSE

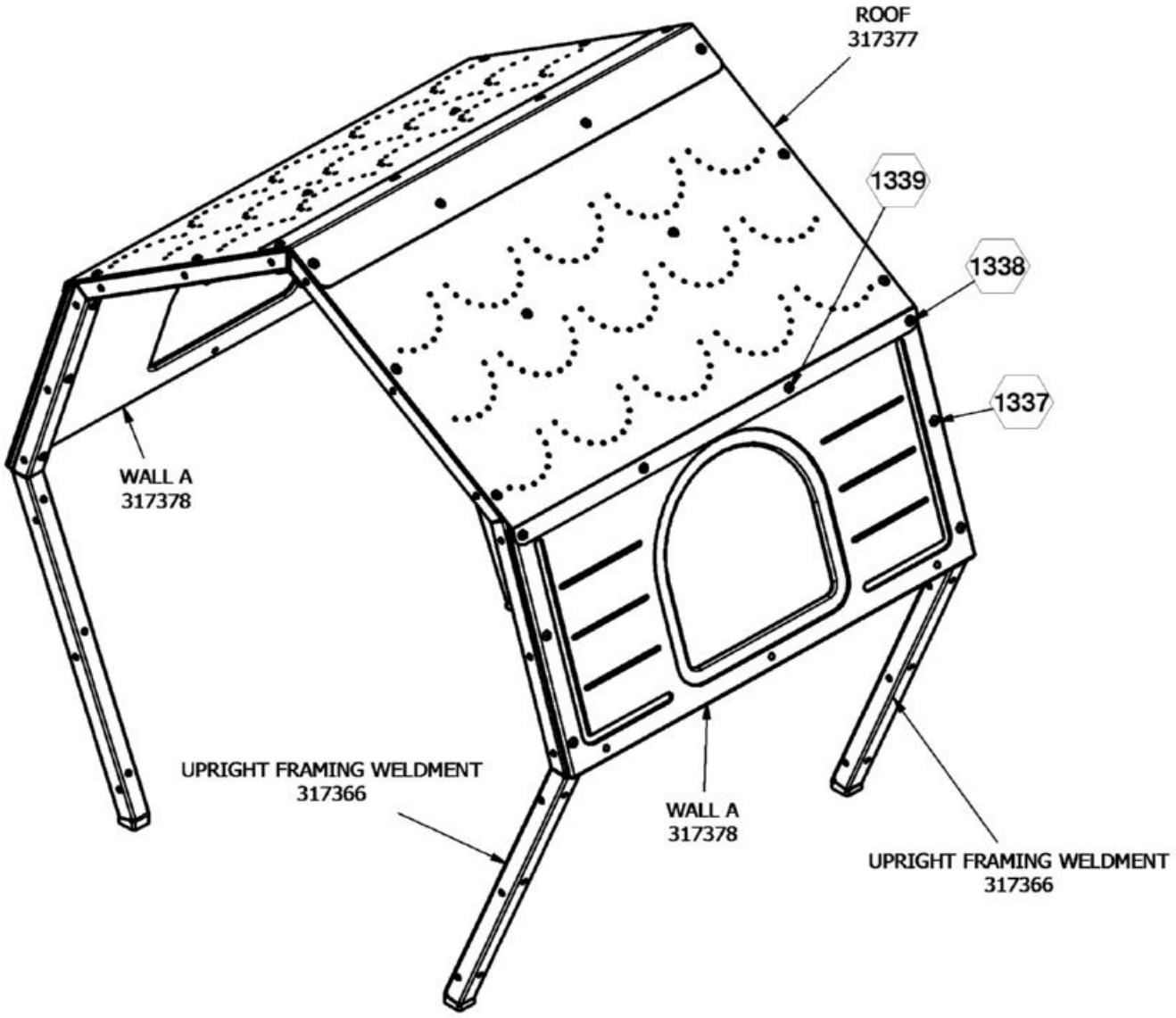



## *INSTALLATION INSTRUCTIONS:*

1. Determine where the Playhouse is to be installed. Refer to order Top View.
2. Attach Upright Framing Weldments together using Roofs, Frame Tabs and Roof Peak. See Details 1333 and 1334.
3. Attach Support Strips to the Roofs. See Details 1335 and 1336.

⬡ = INSTALLATION DETAIL

# 65297 BUNGALOW PLAYHOUSE

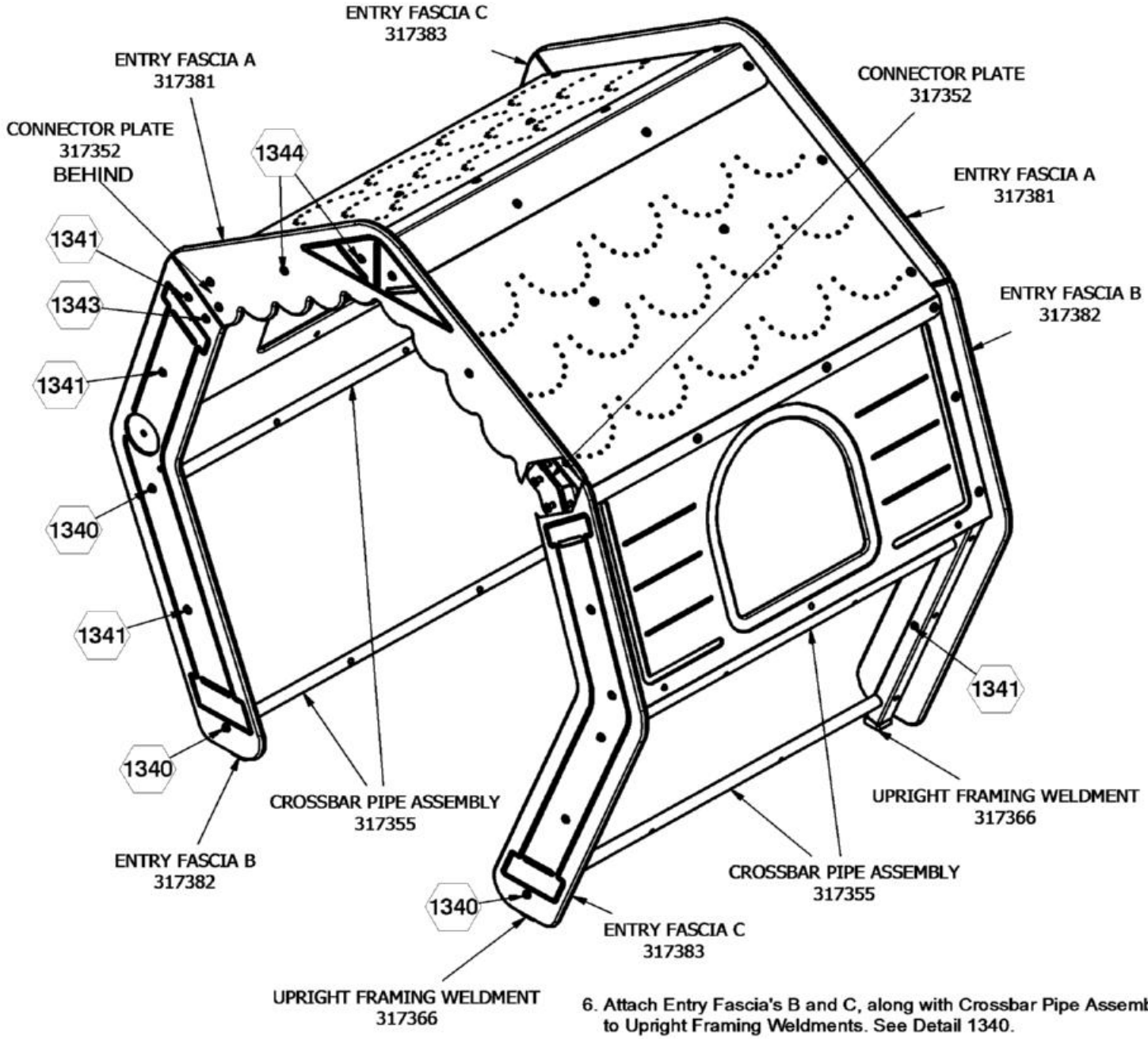



4. Attach Wall A's to Upright Framing Weldments. See Detail 1337.

5. Attach Roofs to Wall A's. See Details 1338 and 1339.

⬡ = INSTALLATION DETAIL

# 65297 BUNGALOW PLAYHOUSE



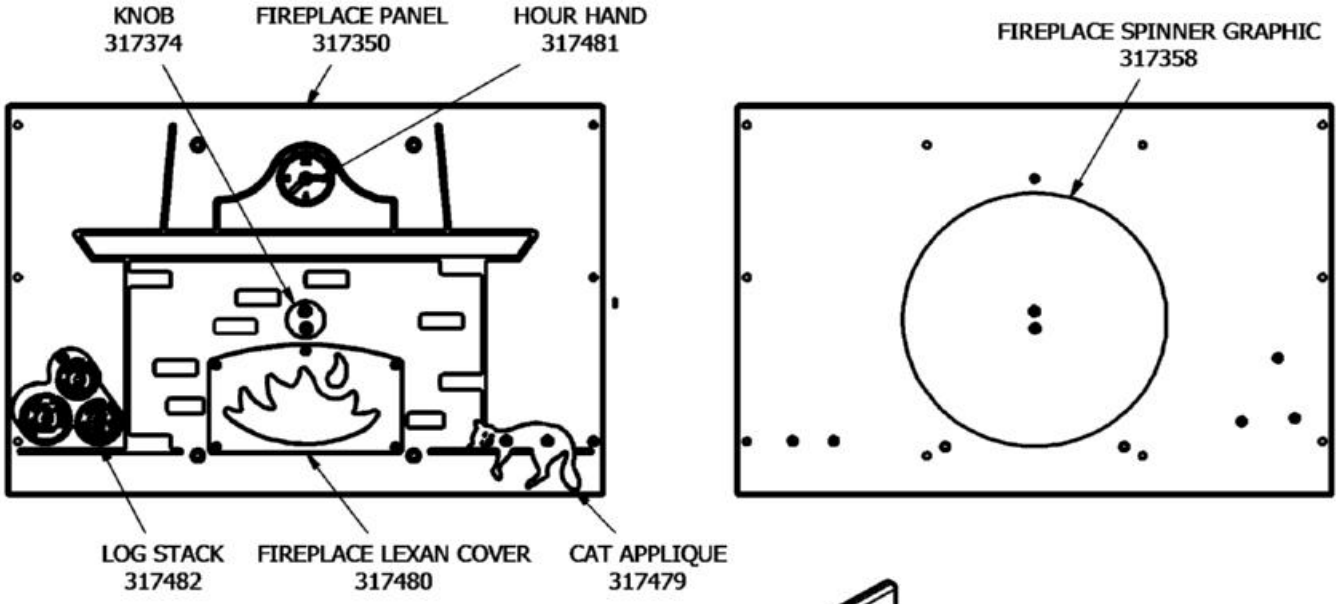

6. Attach Entry Fascia's B and C, along with Crossbar Pipe Assemblies to Upright Framing Weldments. See Detail 1340.
7. Attach Entry Fascia's A, B, and C to Upright Framing Weldments. See Detail 1341.
8. Connect Entry Fascia's B and C to Entry Fascia A using Connector Plates. See Detail 1343.
9. Attach Entry Fascia A, along with Support Strips to Upright Framing Weldments. See Detail 1344.

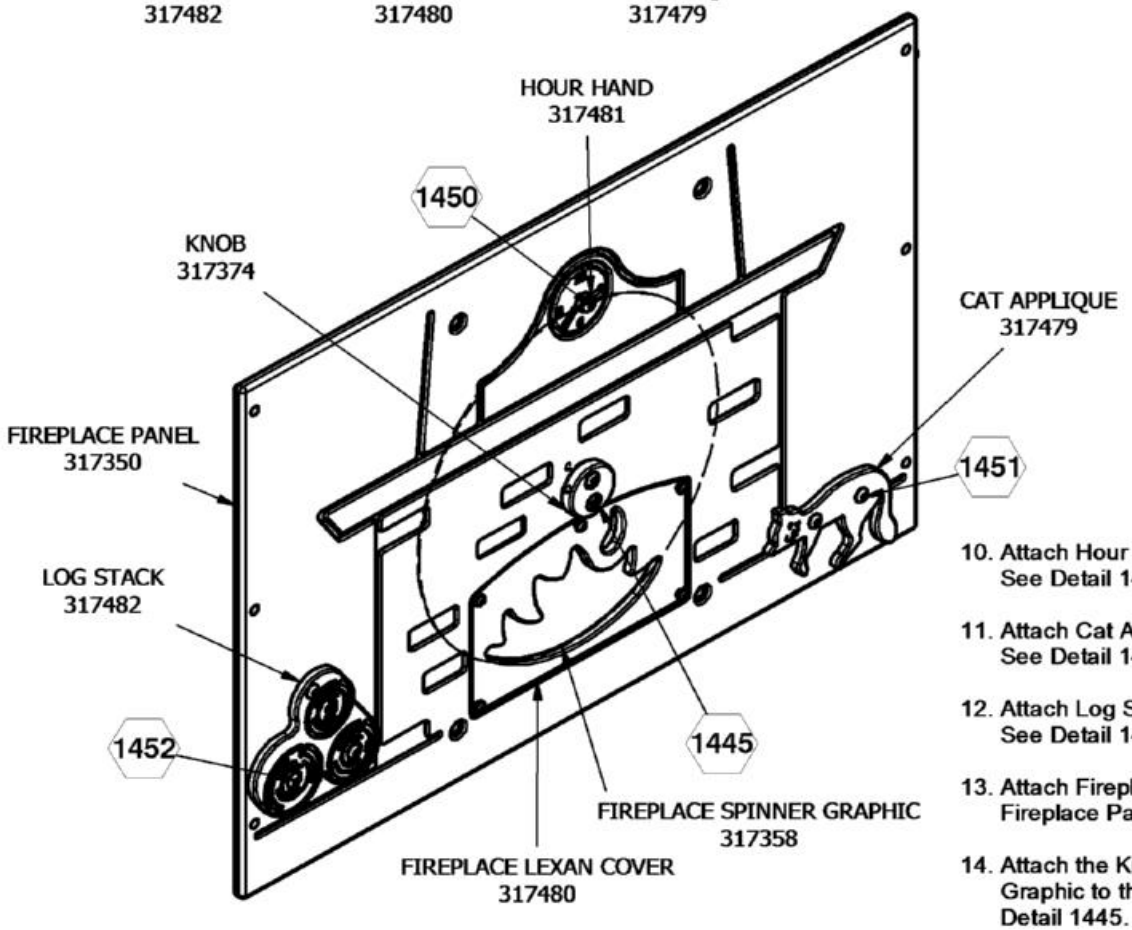
⬡ = INSTALLATION DETAIL

Issued/Revised: 7/1/2025

***STEP THREE***

# 65297 BUNGALOW PLAYHOUSE



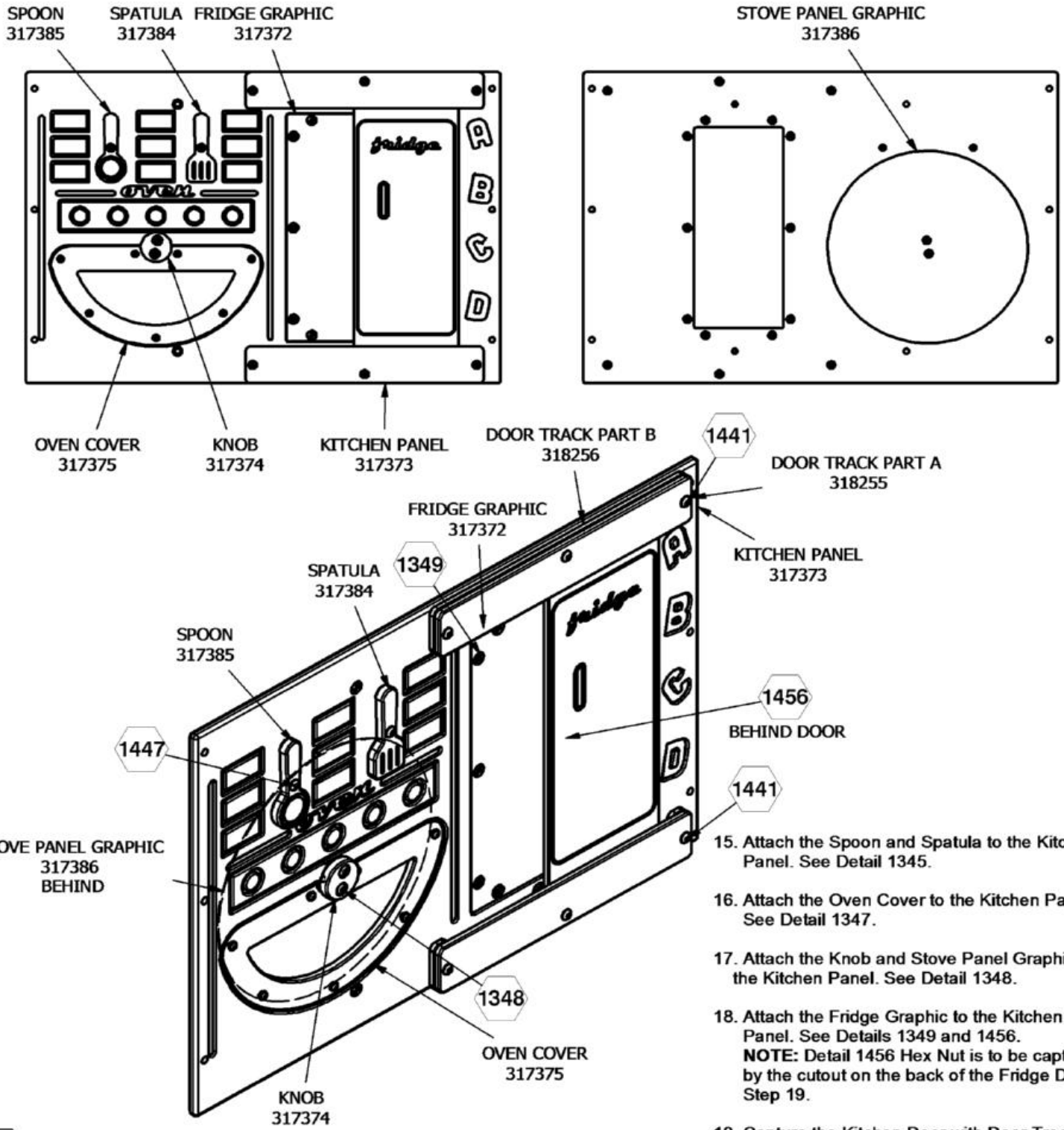




10. Attach Hour Hand to the Fireplace Panel. See Detail 1450.
11. Attach Cat Applique to the Fireplace Panel. See Detail 1451.
12. Attach Log Stack to the Fireplace Panel. See Detail 1452.
13. Attach Fireplace Lexan Cover to the Fireplace Panel. See Detail 1347.
14. Attach the Knob and Fireplace Spinner Graphic to the Fireplace Panel. See Detail 1445.

⬡ = INSTALLATION DETAIL

***STEP FOUR***

# 65297 BUNGALOW PLAYHOUSE



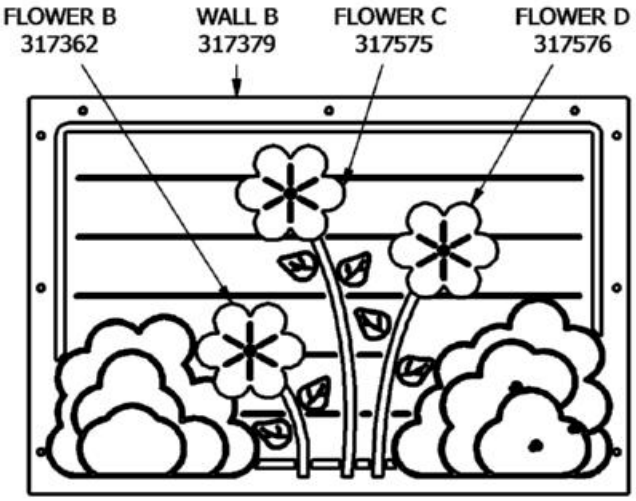

15. Attach the Spoon and Spatula to the Kitchen Panel. See Detail 1345.
16. Attach the Oven Cover to the Kitchen Panel. See Detail 1347.
17. Attach the Knob and Stove Panel Graphic to the Kitchen Panel. See Detail 1348.
18. Attach the Fridge Graphic to the Kitchen Panel. See Details 1349 and 1456. **NOTE:** Detail 1456 Hex Nut is to be captured by the cutout on the back of the Fridge Door in Step 19.
19. Capture the Kitchen Door with Door Track Panels A and B. See Detail 1441.

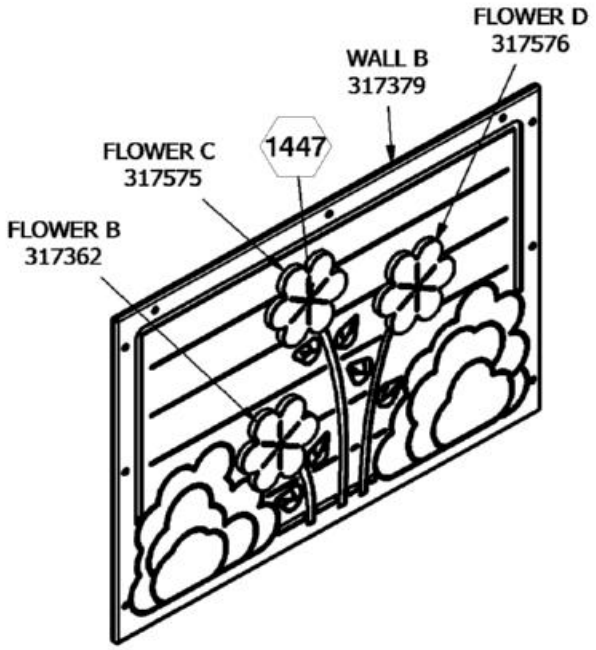
⬡ = INSTALLATION DETAIL

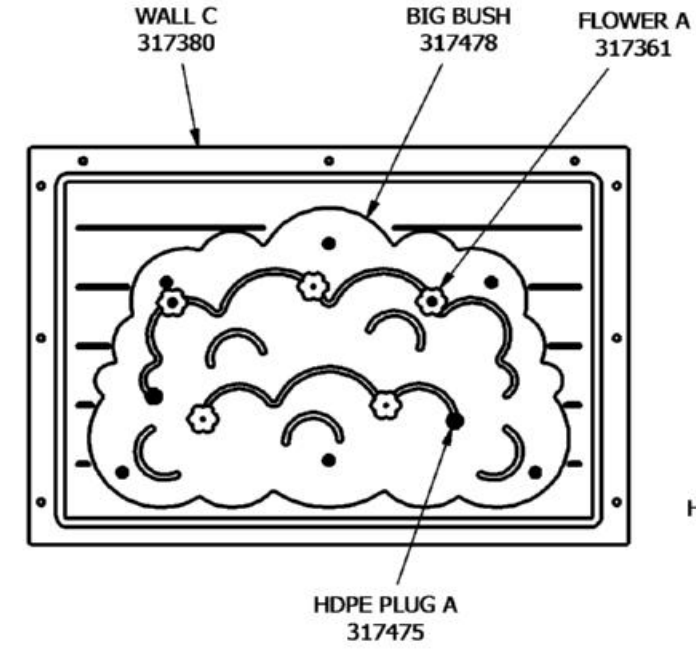
Issued/Revised: 7/1/2025

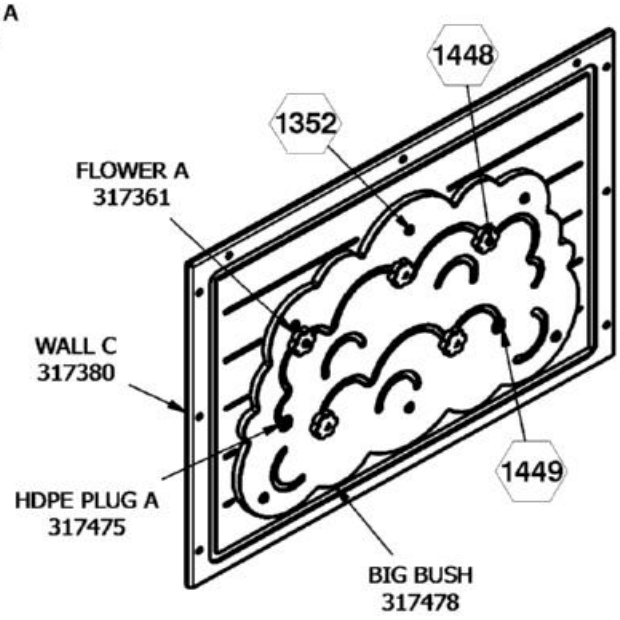
***STEP FIVE***

# 65297 BUNGALOW PLAYHOUSE




20. Attach Flowers B, C, and D to Wall B. See Detail 1447.

21. Attach Big Bush to Wall C. See Detail 1352.

22. Attach Flower A's to Big Bush. See Detail 1448.

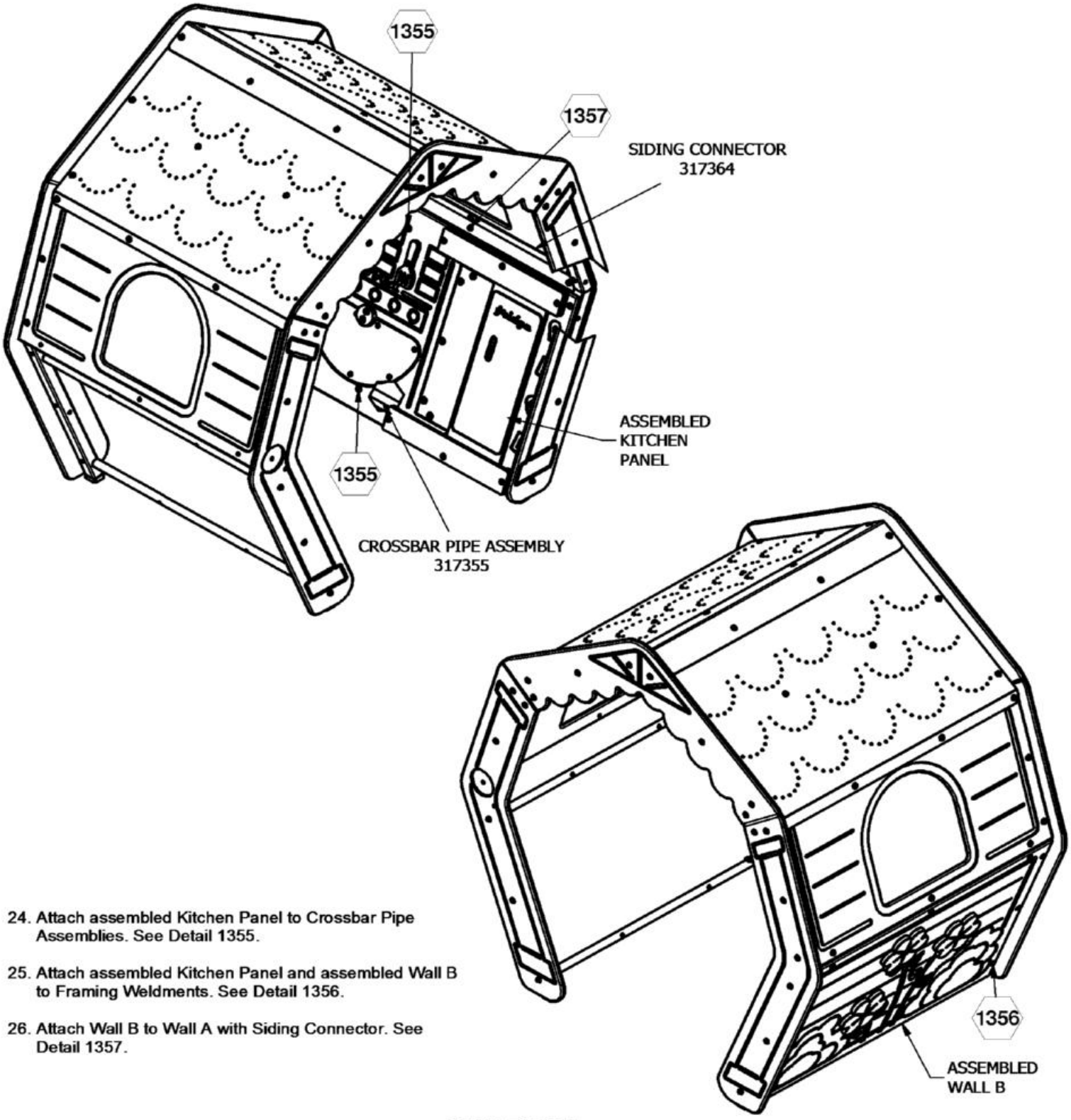
23. Attach HDPE Plugs to Wall C assembly. See Detail 1449.

⬡ = INSTALLATION DETAIL

Issued/Revised: 7/1/2025

***STEPS SIX & SEVEN***

# 65297 BUNGALOW PLAYHOUSE

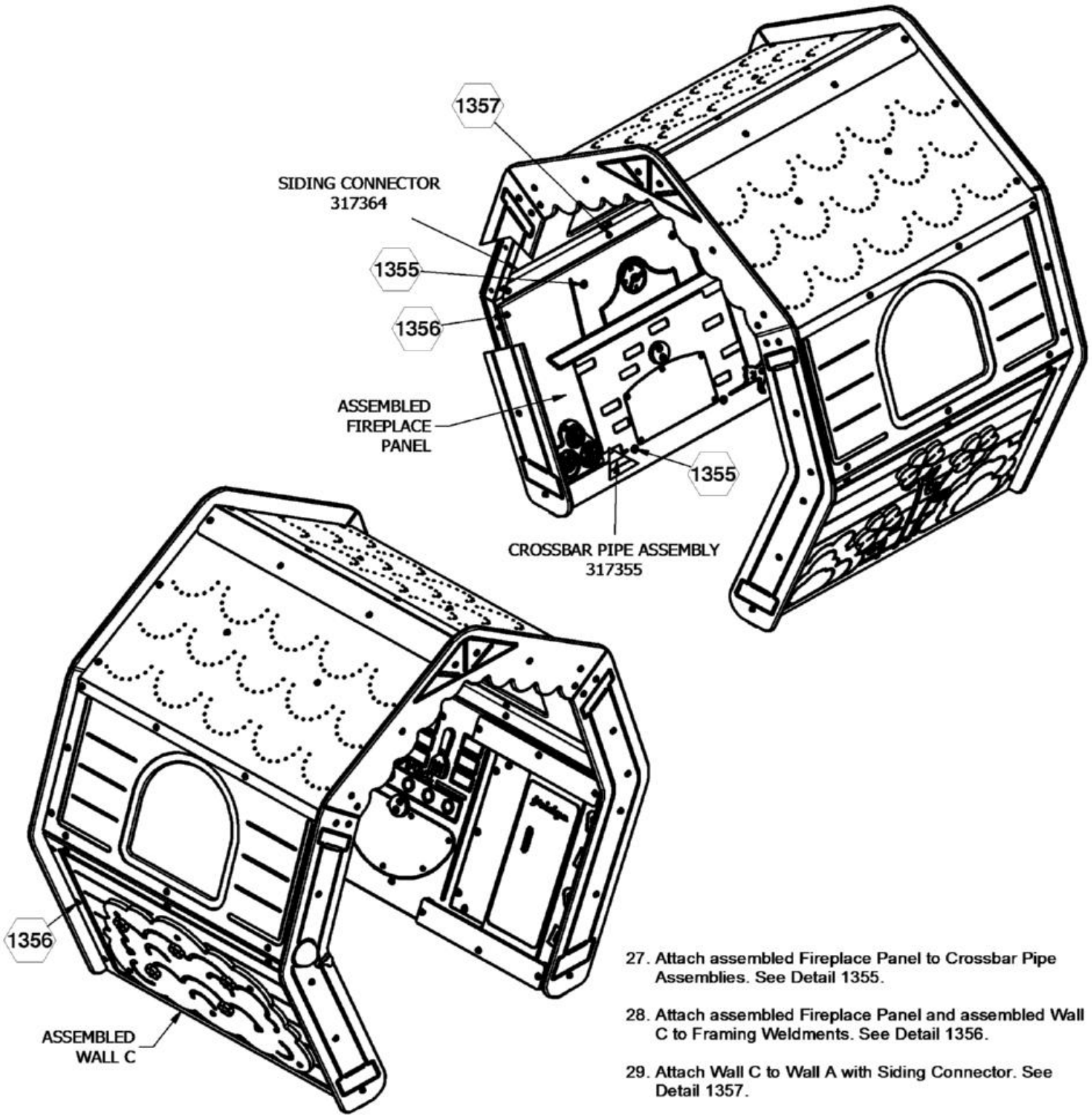



24. Attach assembled Kitchen Panel to Crossbar Pipe Assemblies. See Detail 1355.

25. Attach assembled Kitchen Panel and assembled Wall B to Framing Weldments. See Detail 1356.

26. Attach Wall B to Wall A with Siding Connector. See Detail 1357.

# 65297 BUNGALOW PLAYHOUSE

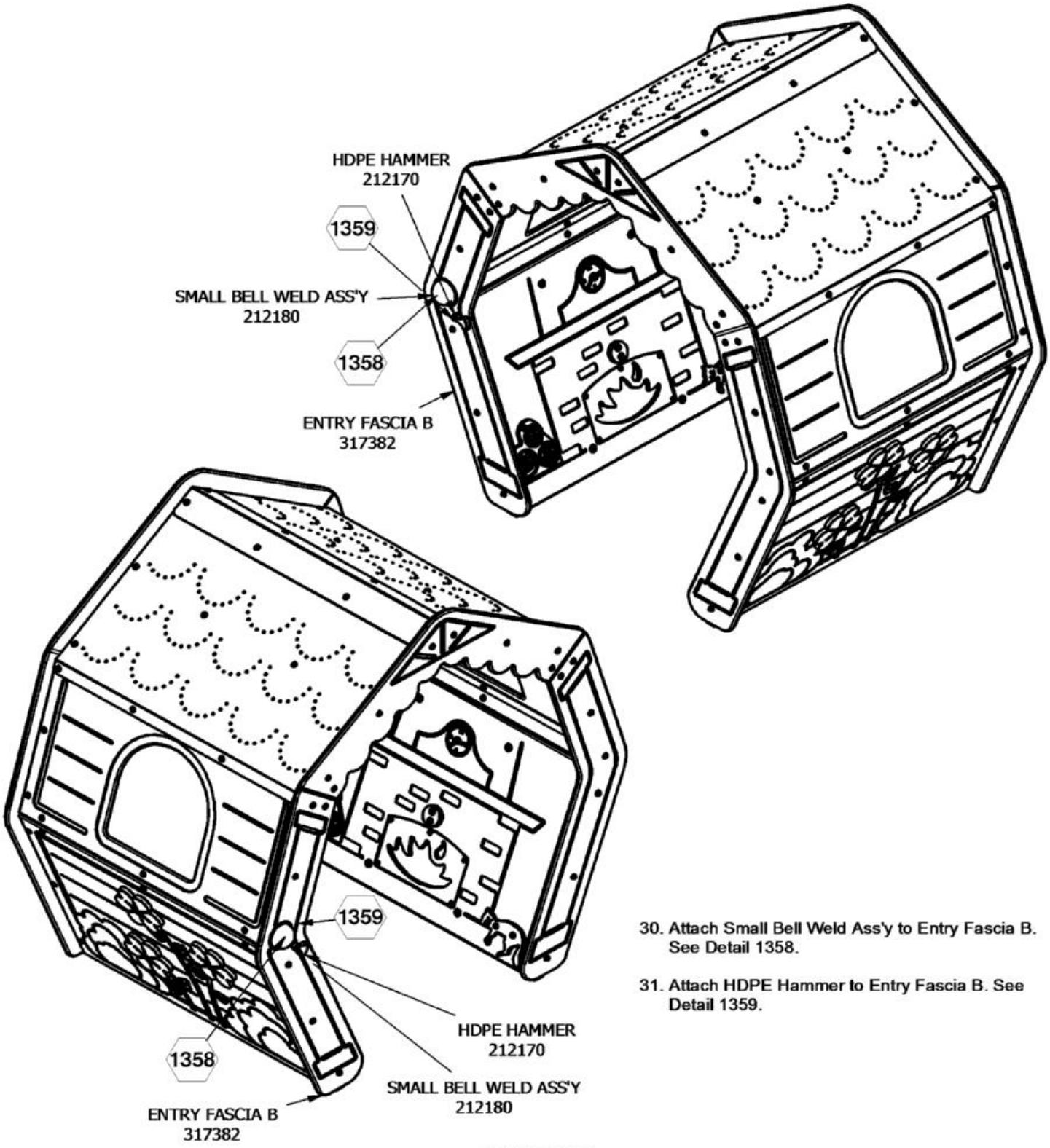



27. Attach assembled Fireplace Panel to Crossbar Pipe Assemblies. See Detail 1355.

28. Attach assembled Fireplace Panel and assembled Wall C to Framing Weldments. See Detail 1356.

29. Attach Wall C to Wall A with Siding Connector. See Detail 1357.

# 65297 BUNGALOW PLAYHOUSE



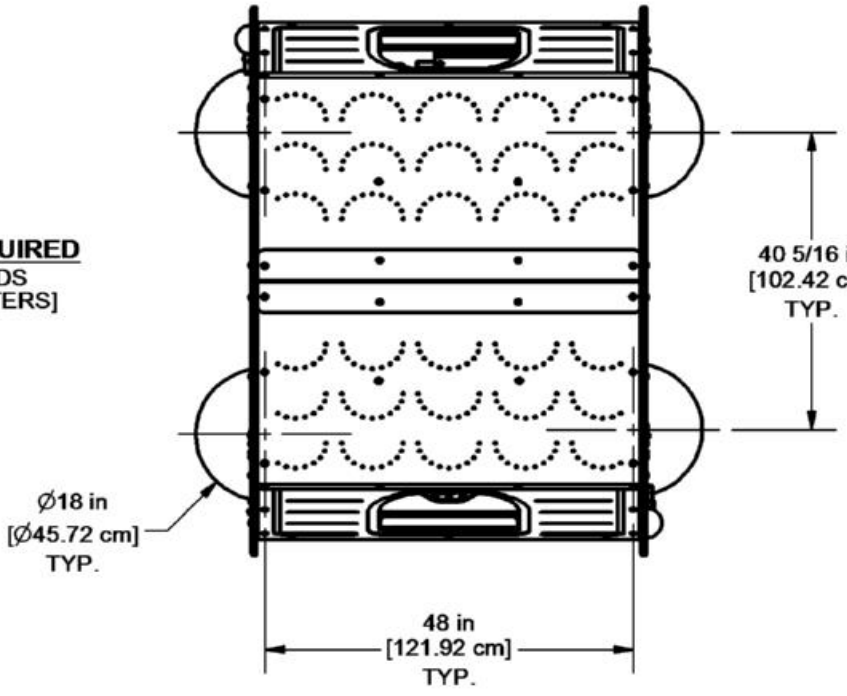

30. Attach Small Bell Weld Ass'y to Entry Fascia B. See Detail 1358.

31. Attach HDPE Hammer to Entry Fascia B. See Detail 1359.

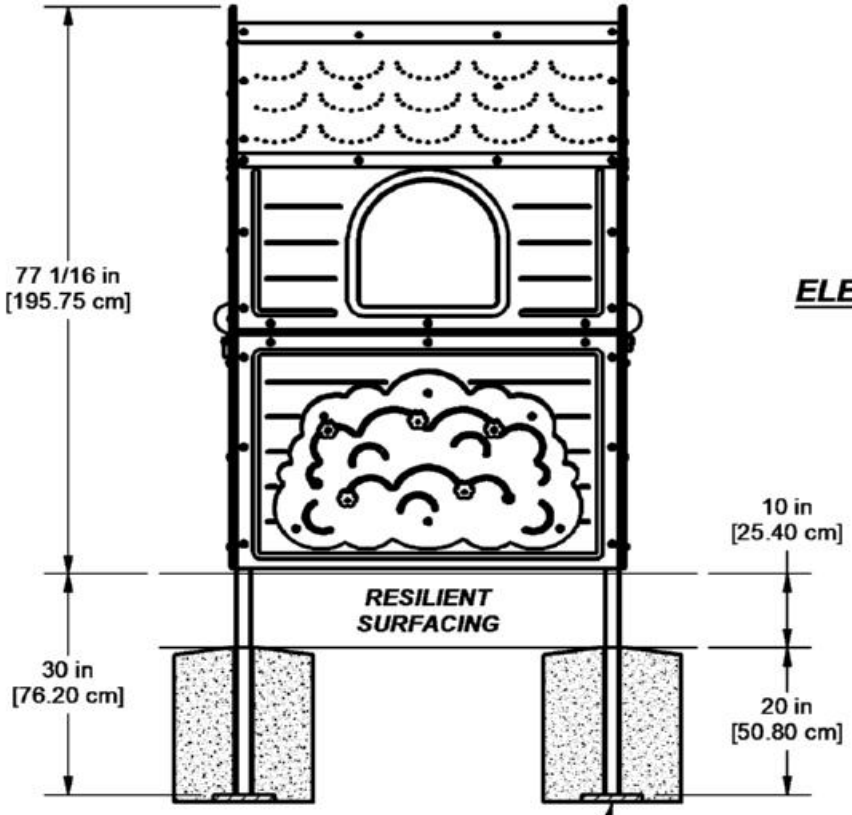
***STEP TEN***

# 65297 BUNGALOW PLAYHOUSE

**CONCRETE REQUIRED**
0.436 CUBIC YARDS
0.332 [CUBIC METERS]

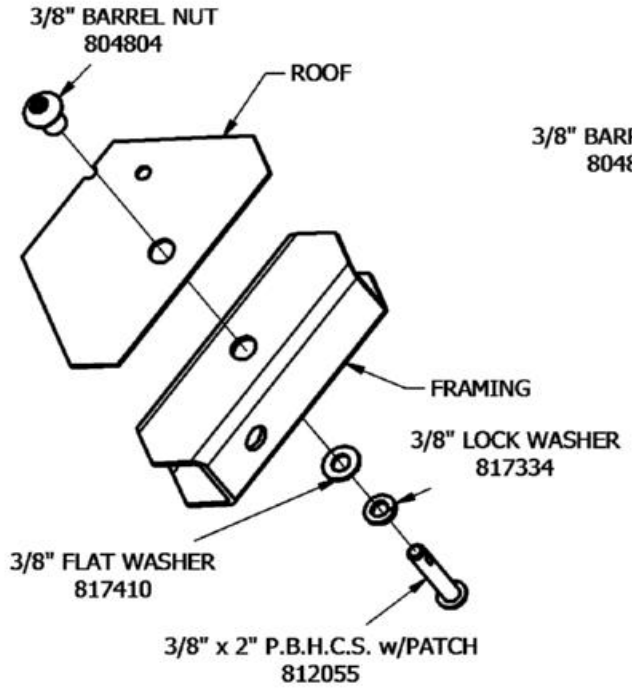



***PLAN VIEW***

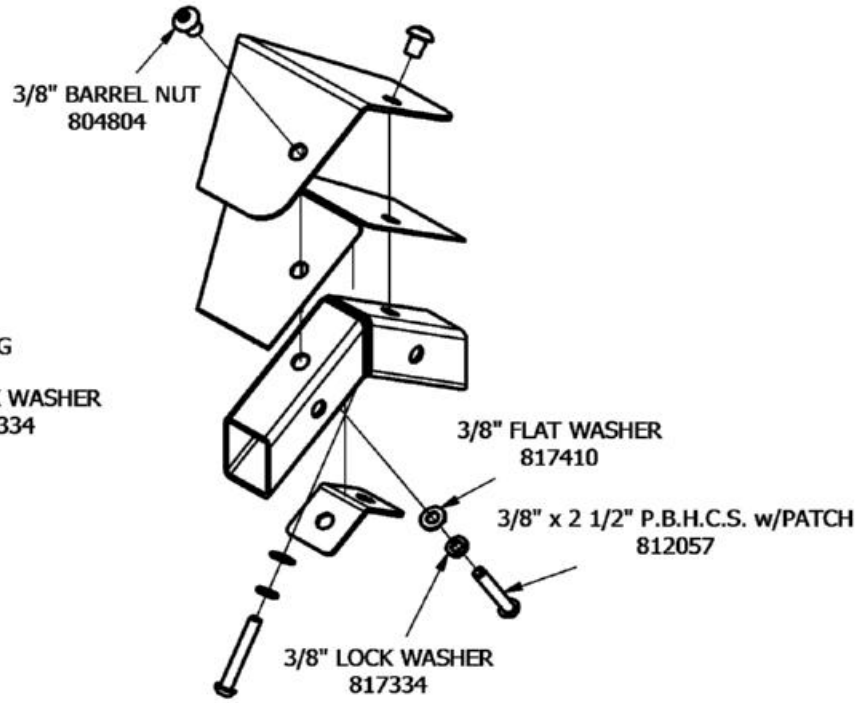



***ELEVATION VIEW***

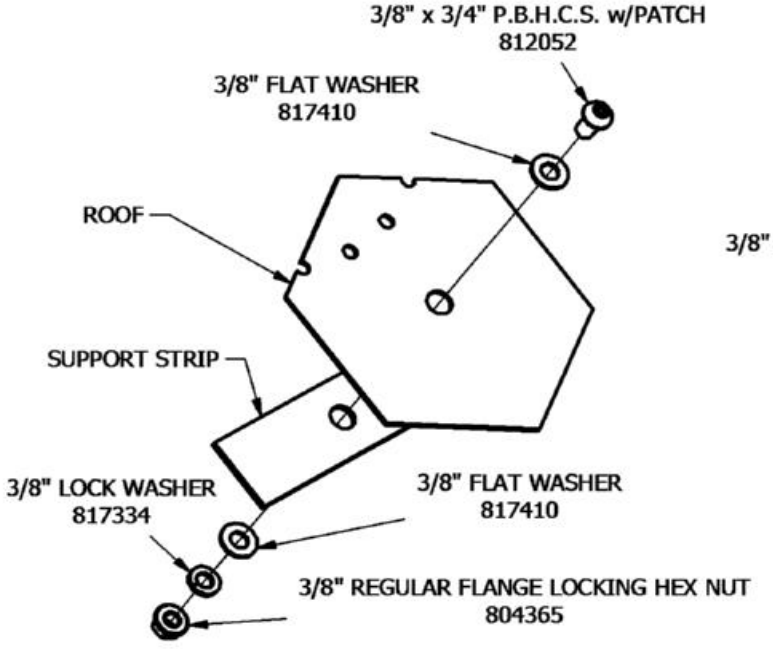
# 65297 BUNGALOW PLAYHOUSE



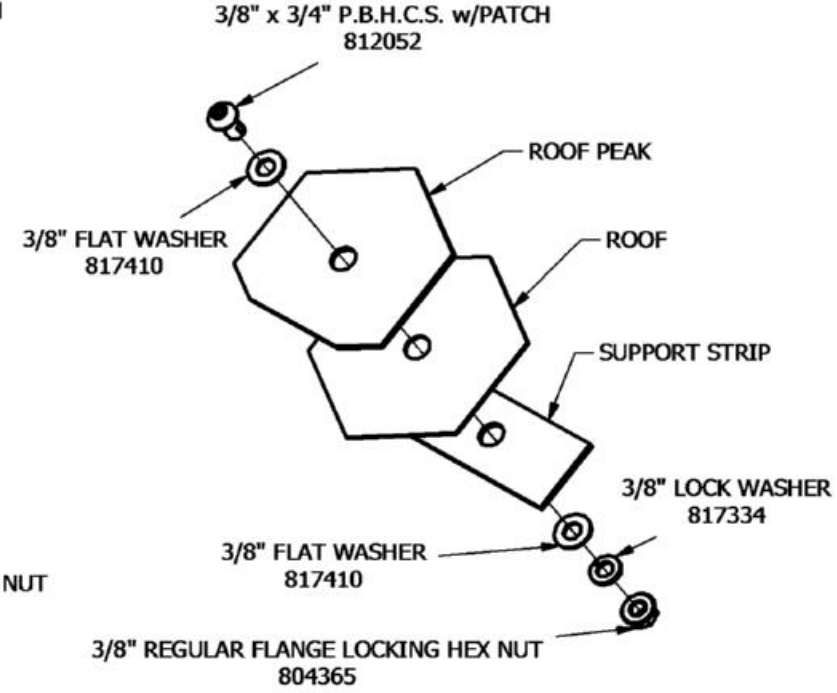

1333




1334

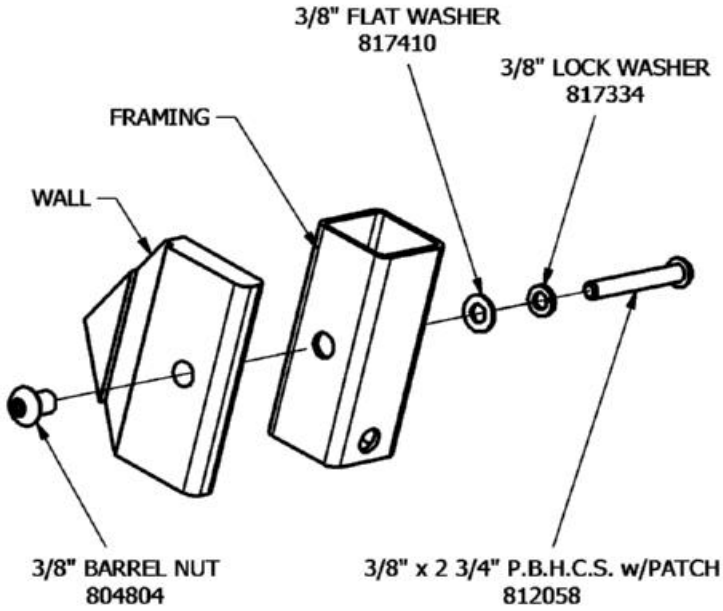



1335

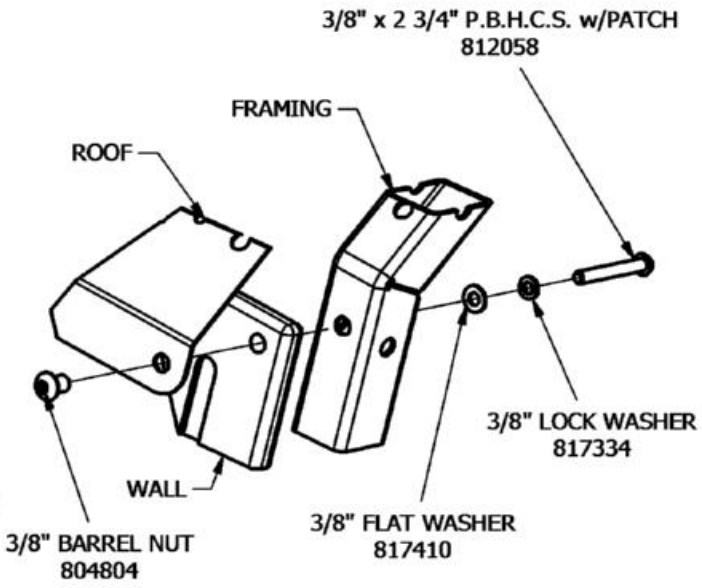



1336

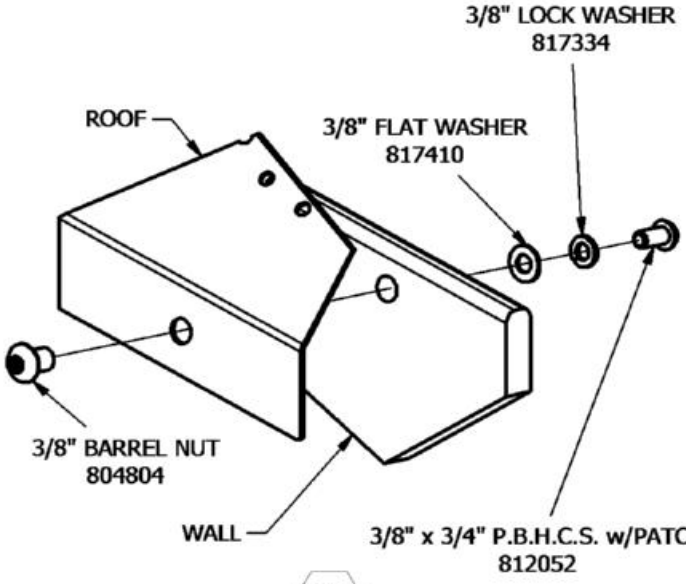
# 65297 BUNGALOW PLAYHOUSE



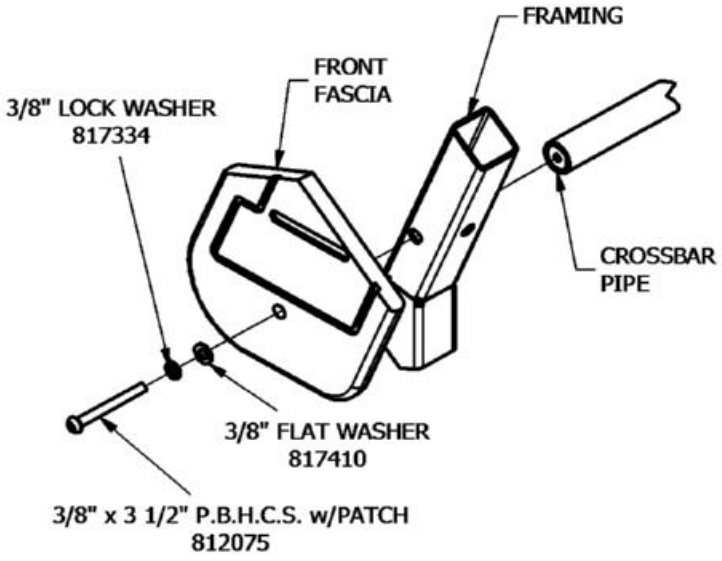

1337




1338

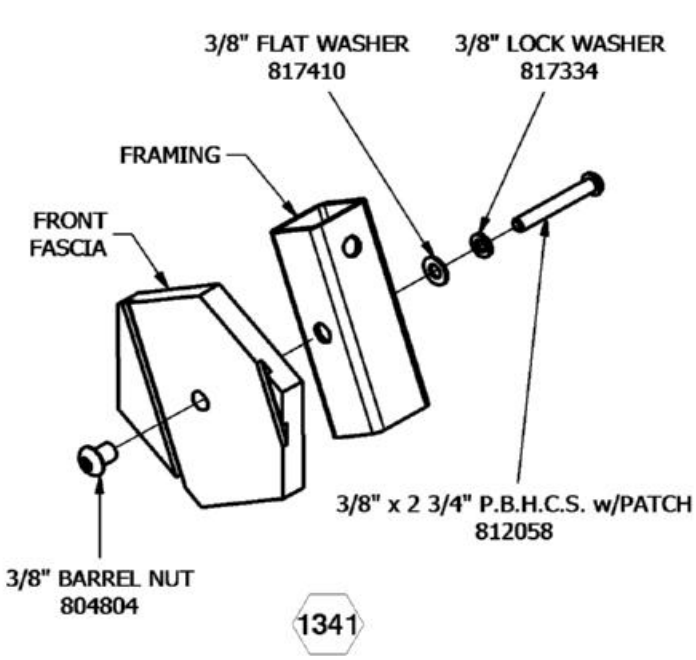


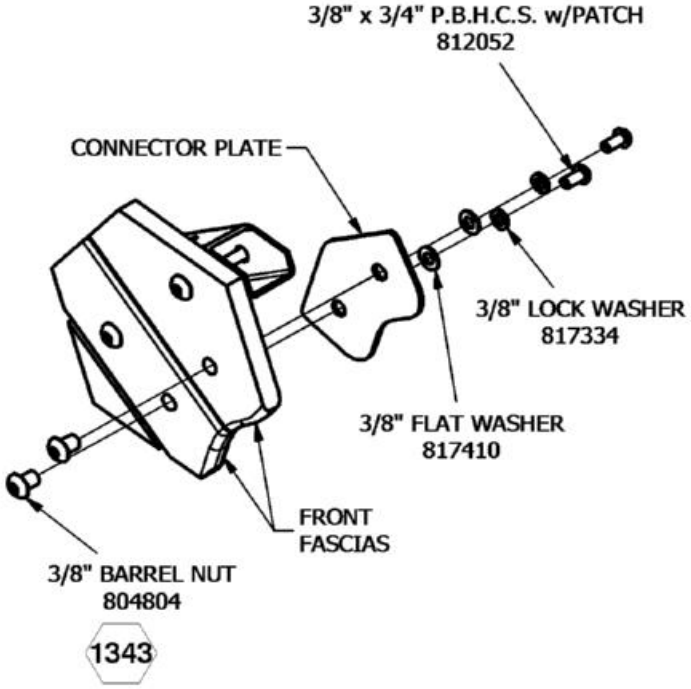

1339

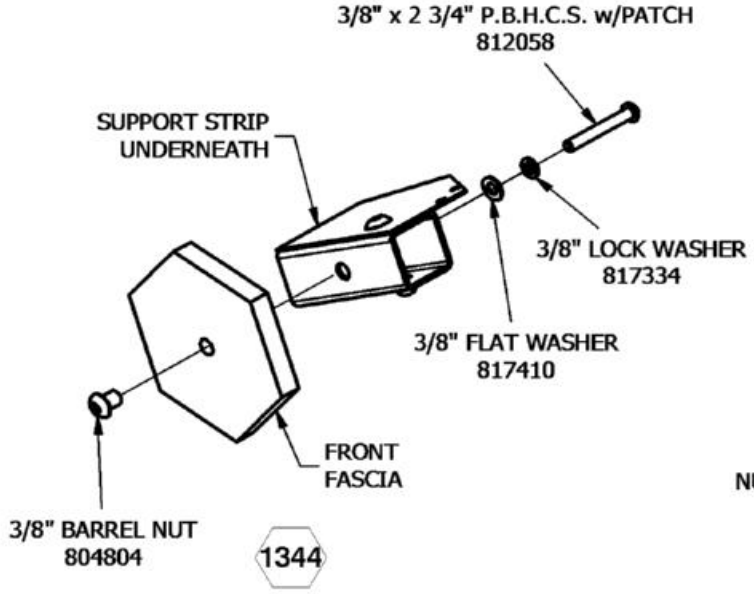


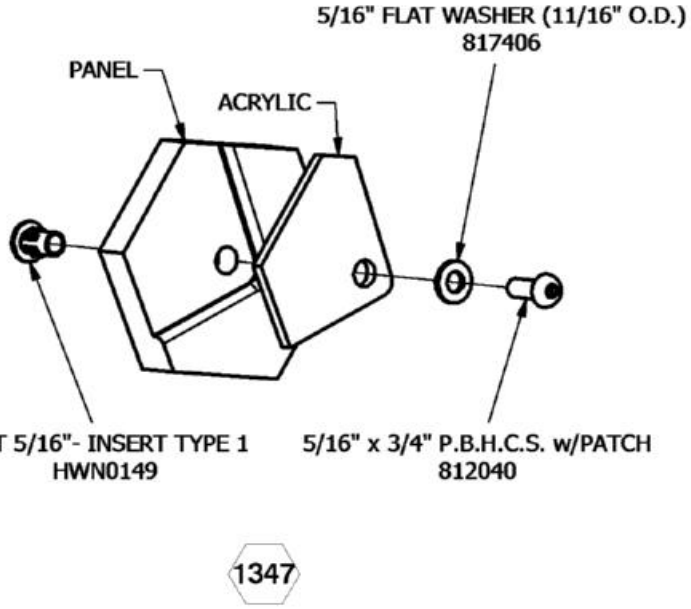

1340

# 65297 BUNGALOW PLAYHOUSE

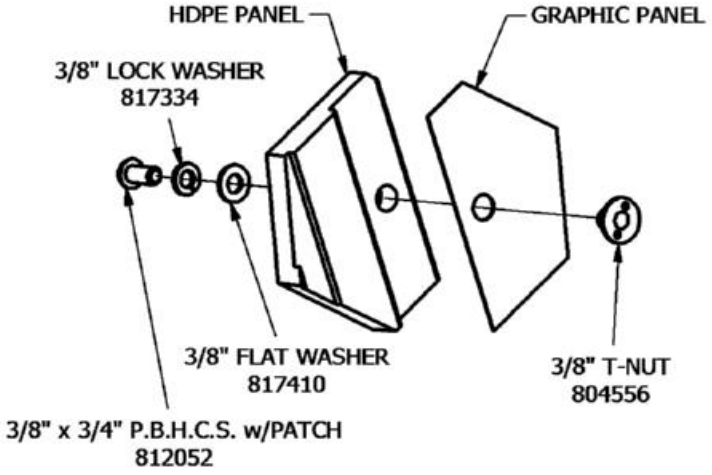


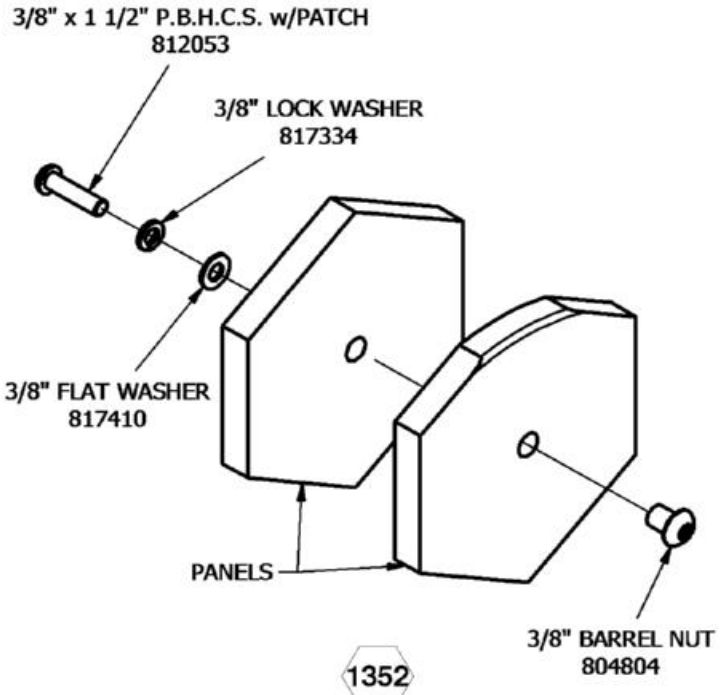



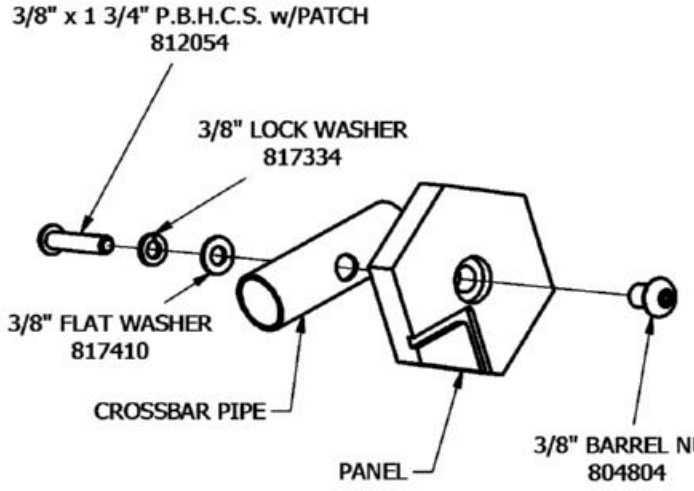
# 65297 BUNGALOW PLAYHOUSE



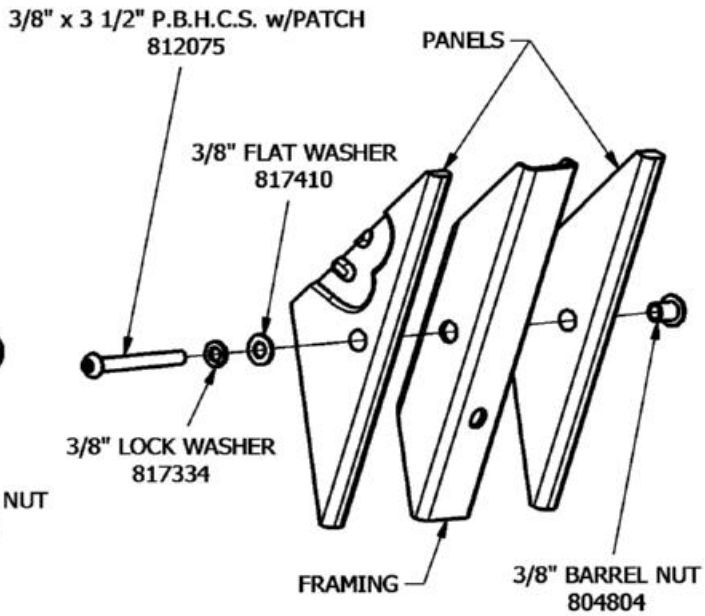

1349




1352

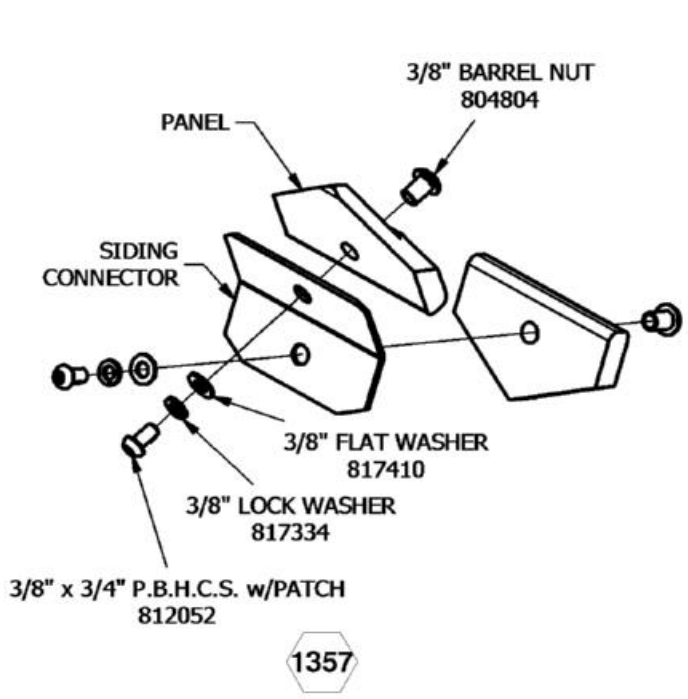


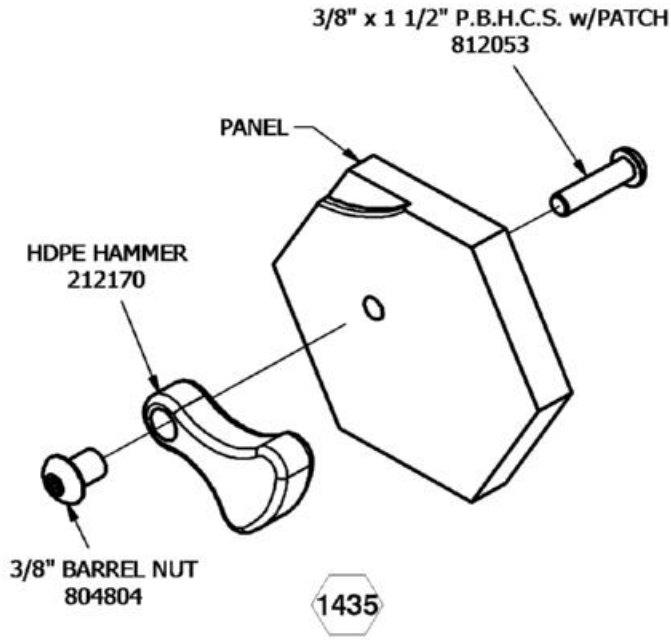

1355

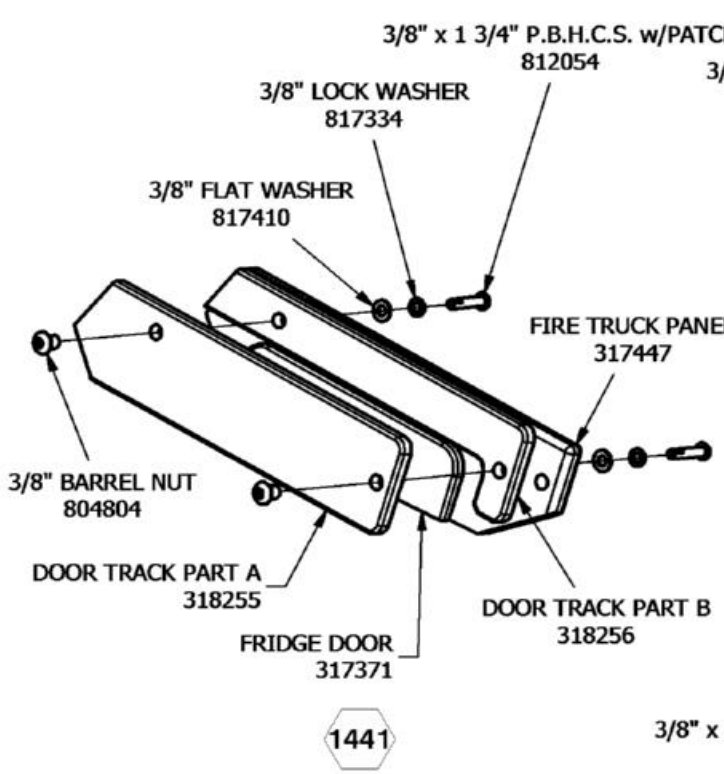


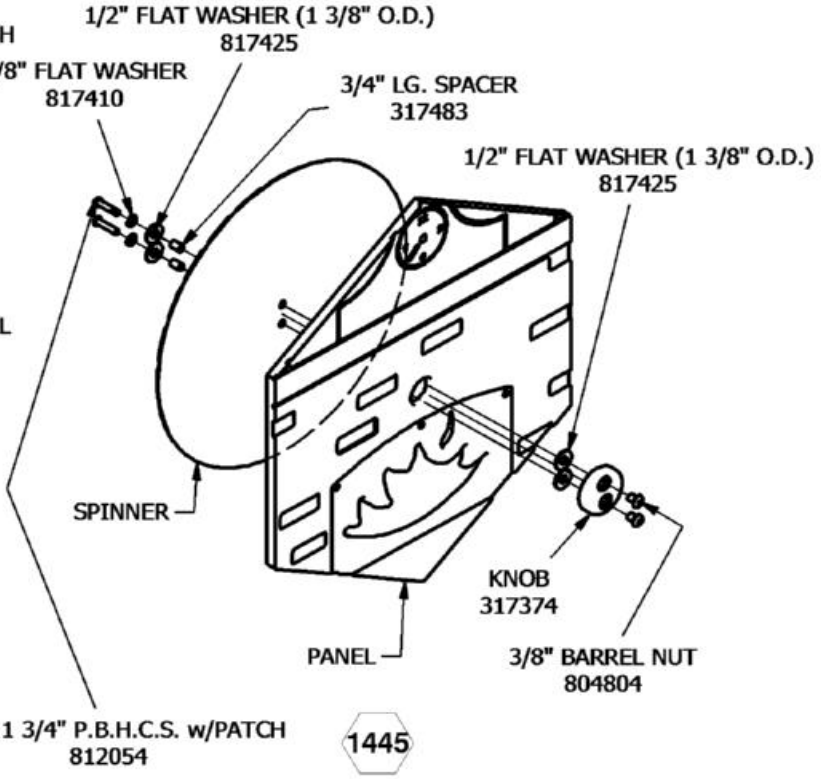

1356

# 65297 BUNGALOW PLAYHOUSE

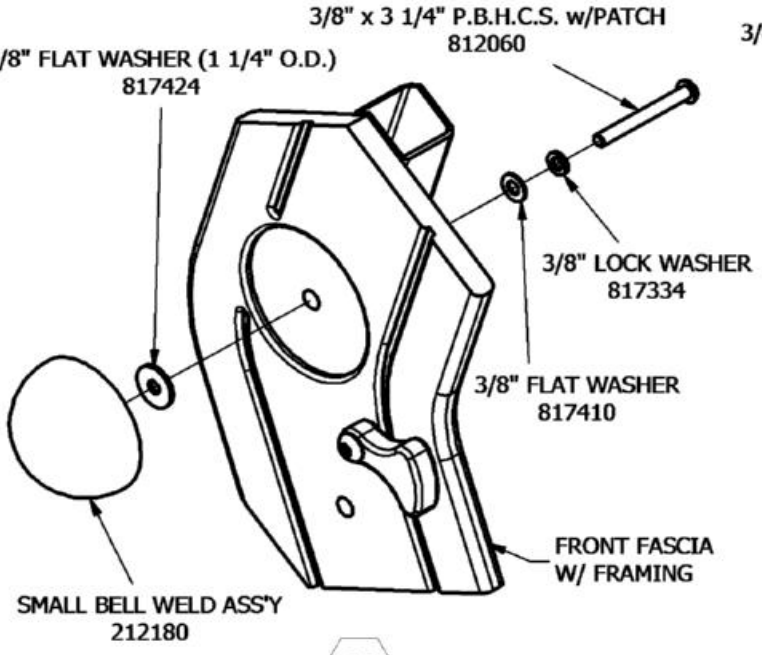


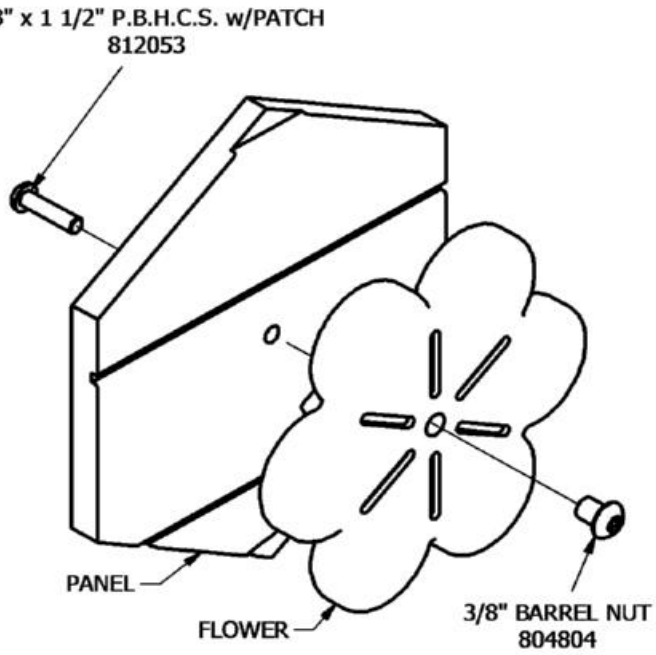



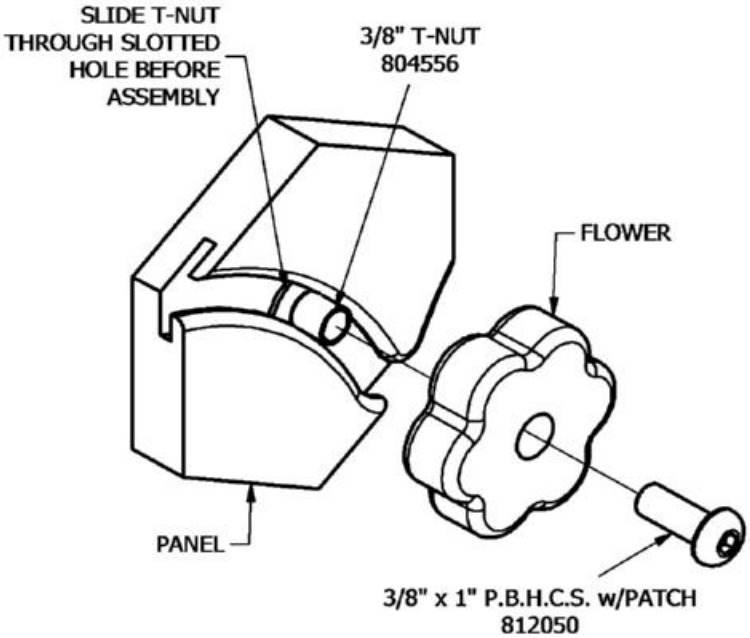
# 65297 BUNGALOW PLAYHOUSE




1446

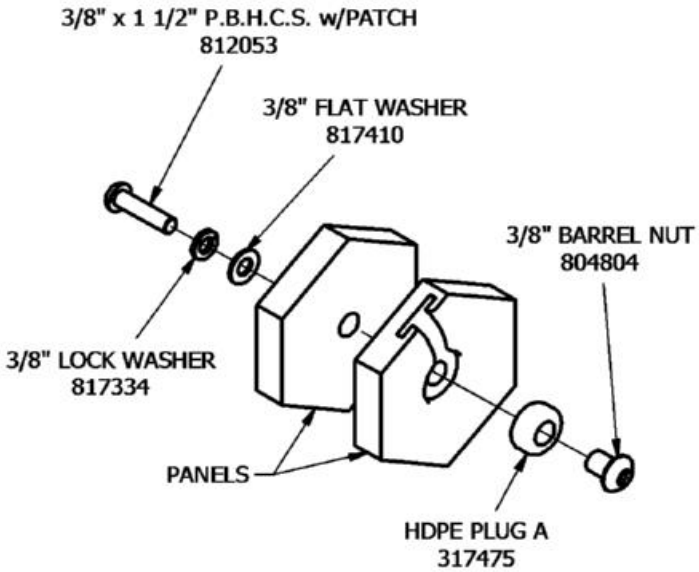



1447



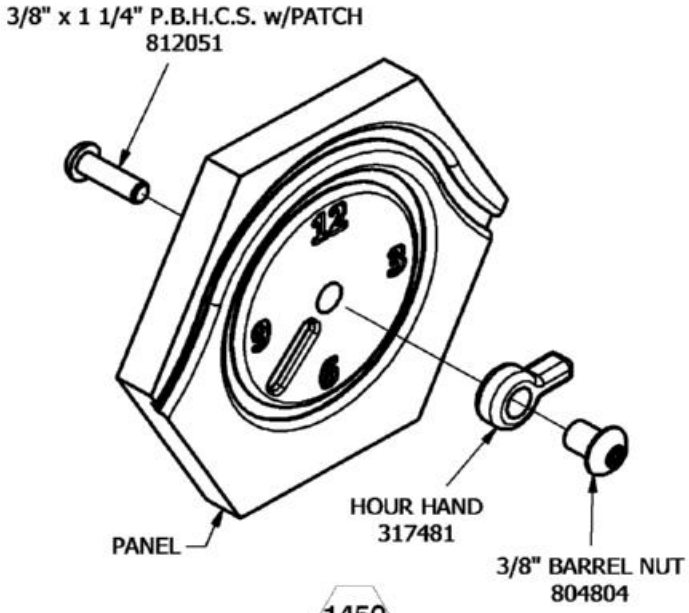

**NOTE:** ENSURE THE SPACING BETWEEN FLOWERS AND PANEL IS LESS THAN 0.12"

1448

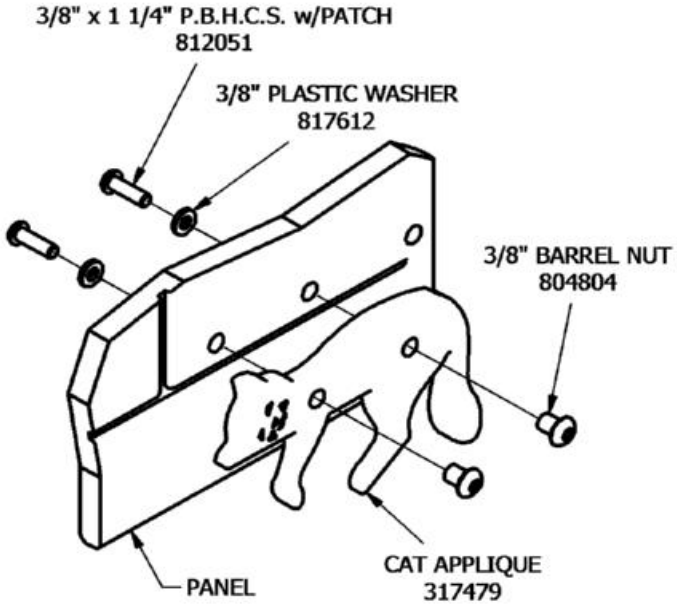



1449

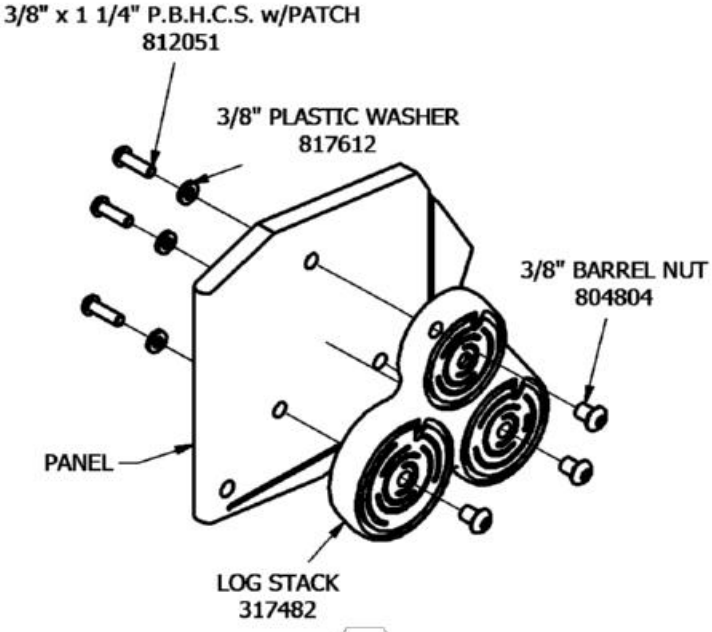
# 65297 BUNGALOW PLAYHOUSE



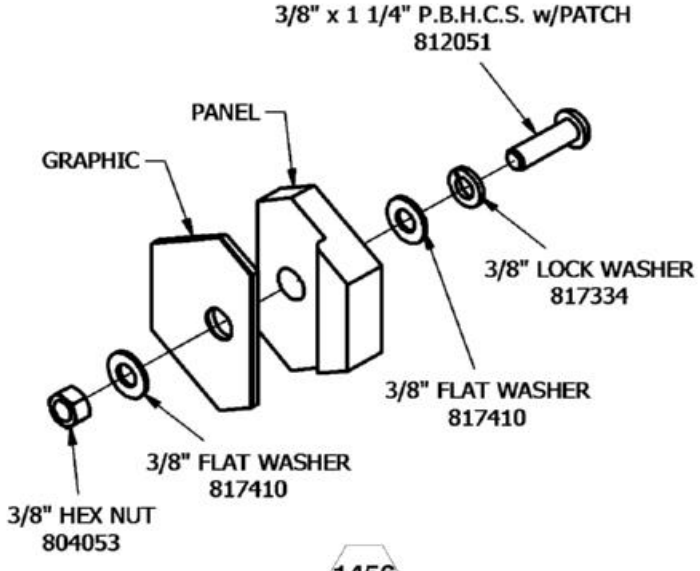

1450




1451




1452




1456

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

# 65299 SERVICE STATION PLAYHOUSE

| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| AIR PUMP | 1 | 317390 |
| TOOLBOX BACKER | 2 | 317391 |
| BE HAPPY SIGN | 1 | 317392 |
| ROOF WELDMENT | 1 | 317394 |
| WALL A | 1 | 317398 |
| WALL B | 1 | 317399 |
| CAR | 1 | 317400 |
| TOOLBOX PANEL | 1 | 317402 |
| TOOL BOX COVER | 1 | 317403 |
| FRAMING | 2 | 317405 |
| GAS PUMP GRAPHIC | 1 | 317408 |
| GAS PUMP | 1 | 317409 |
| GAS STATION FASCIA A | 1 | 317410 |
| GAS STATION FASCIA B | 1 | 317411 |
| GEAR A | 1 | 317412 |
| GEAR B | 1 | 317413 |
| OIL CAN | 1 | 317414 |
| PUFF | 1 | 317415 |
| ROOF CONNECTOR A | 1 | 317417 |
| ROOF CONNECTOR B | 1 | 317419 |
| ROOF PANEL A | 1 | 317420 |
| ROOF PANEL B | 1 | 317421 |
| SERVICE STATION FASCIA A | 1 | 317424 |
| SERVICE STATION FASCIA B | 1 | 317425 |
| TIRE | 1 | 317426 |
| 1976 SIGN | 1 | 317427 |
| CENTER FRAME | 1 | 317429 |
| LEXAN TOOLBOX COVER | 1 | 318389 |
| ***HARDWARE COMPLETE*** | 1 | 317489 |
| 5/16" x 3/4" P.B.H.C.S. w/PATCH | 3 | 812040 |
| 5/16" FLAT WASHER (11/16" O.D.) | 3 | 817406 |
| NUT 5/16"- INSERT TYPE 1 | 3 | HWN0149 |
| 3/8" x 1/2" P.B.H.C.S. w/PATCH | 4 | 812049 |
| 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 1 | 812051 |
| 3/8" x 1 1/2" P.B.H.C.S. w/PATCH | 9 | 812053 |
| 3/8" x 2" P.B.H.C.S. w/PATCH | 4 | 812055 |
| 3/8" x 2 1/4" P.B.H.C.S. w/PATCH | 8 | 812056 |
| 3/8" x 2 3/4" P.B.H.C.S. w/PATCH | 9 | 812058 |
| 3/8" x 3 1/4" P.B.H.C.S. w/PATCH | 1 | 812060 |
| 3/8" x 3 1/2" P.B.H.C.S. w/PATCH | 16 | 812075 |
| 3/8" LOCK WASHER | 39 | 817334 |
| 3/8" FLAT WASHER | 50 | 817410 |
| 3/8" T-NUT | 4 | 804556 |
| 3/8" BARREL NUT | 45 | 804804 |

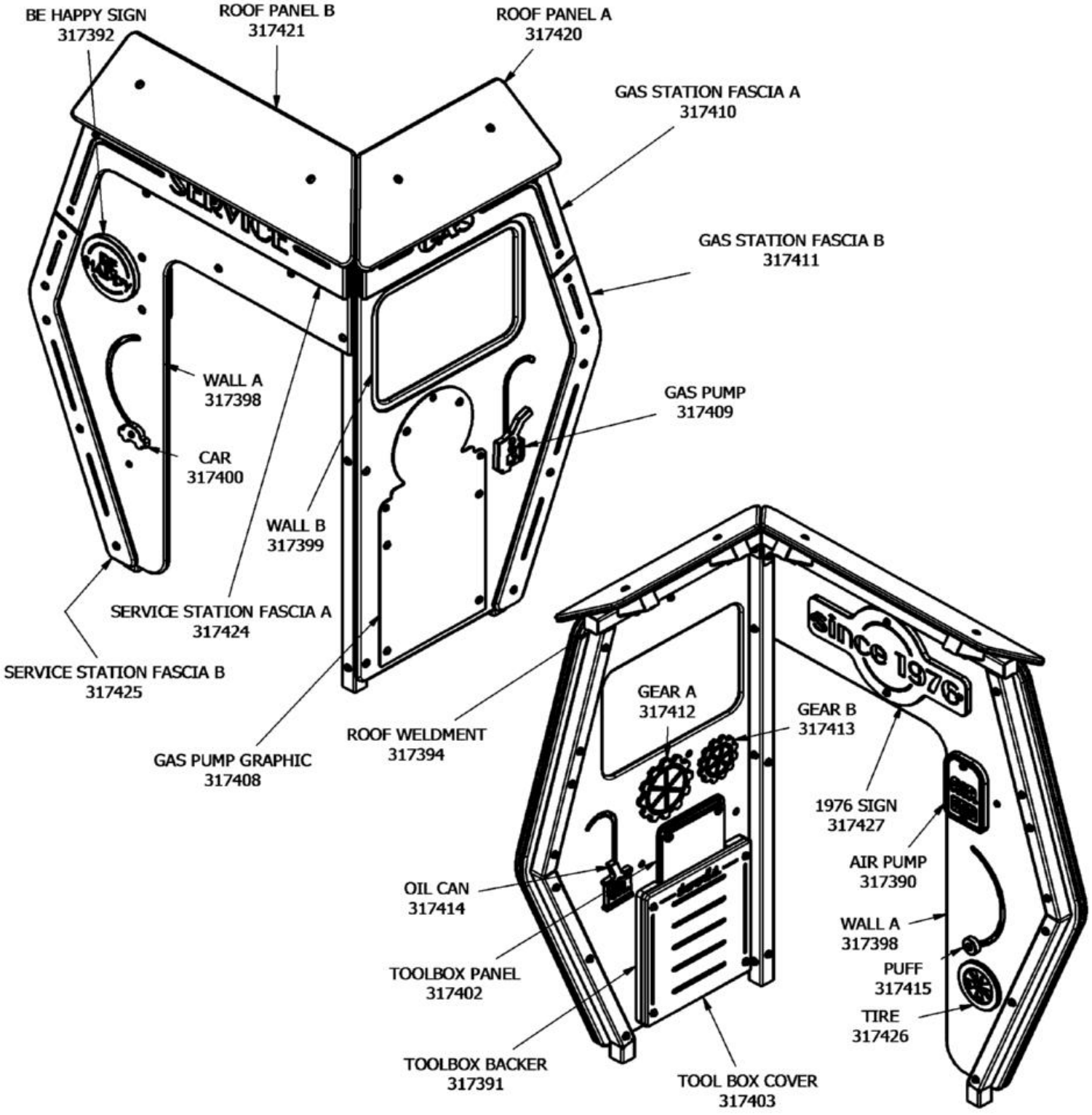
# 65299 SERVICE STATION PLAYHOUSE

*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. Promplty Cut-Off Flush, File Smooth, And Treat To Prevent Corrsion.***
***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.***

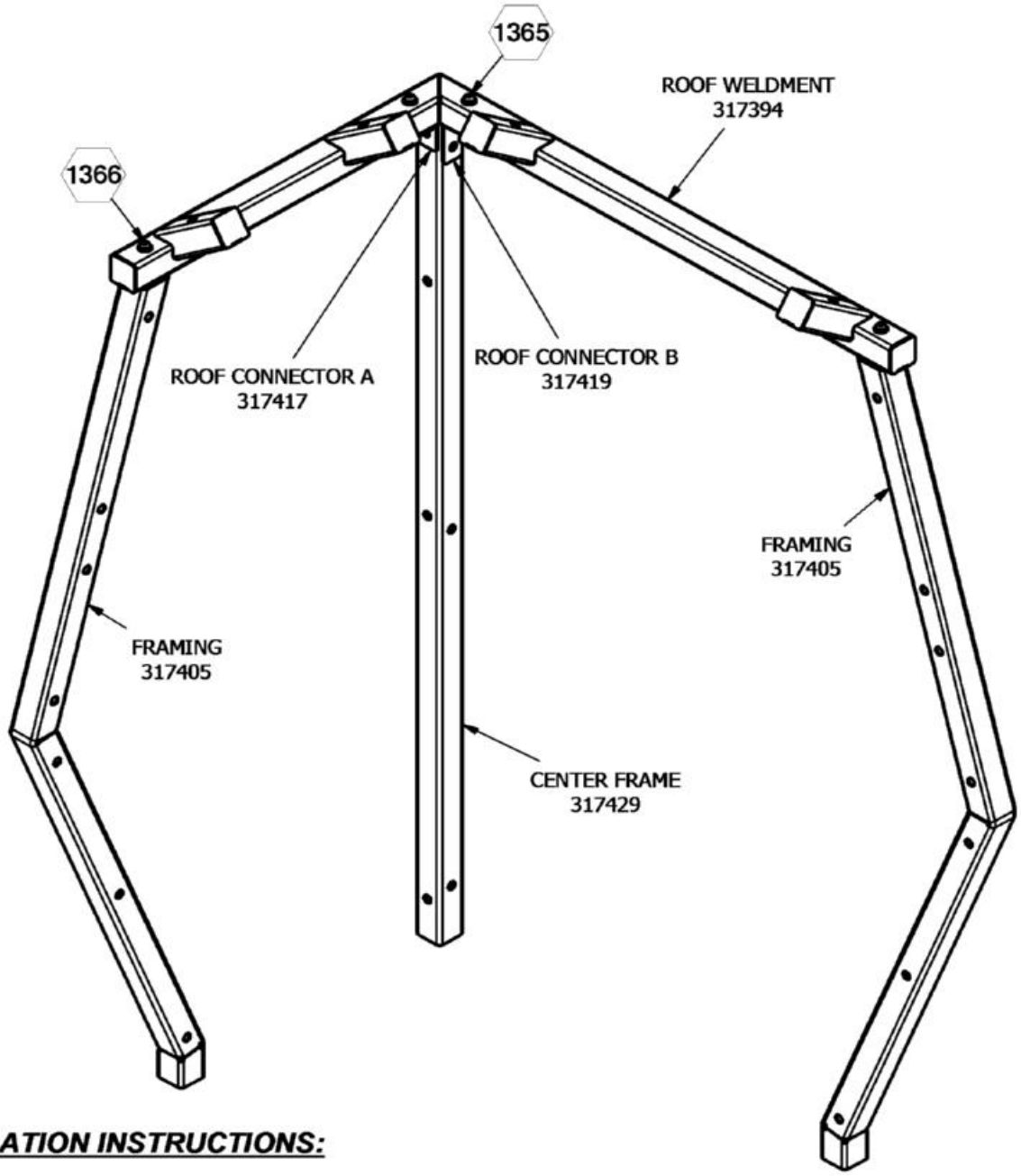
## ***MAINTENANCE PROCEDURE:***

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.

# 65299 SERVICE STATION PLAYHOUSE



# 65299 SERVICE STATION PLAYHOUSE

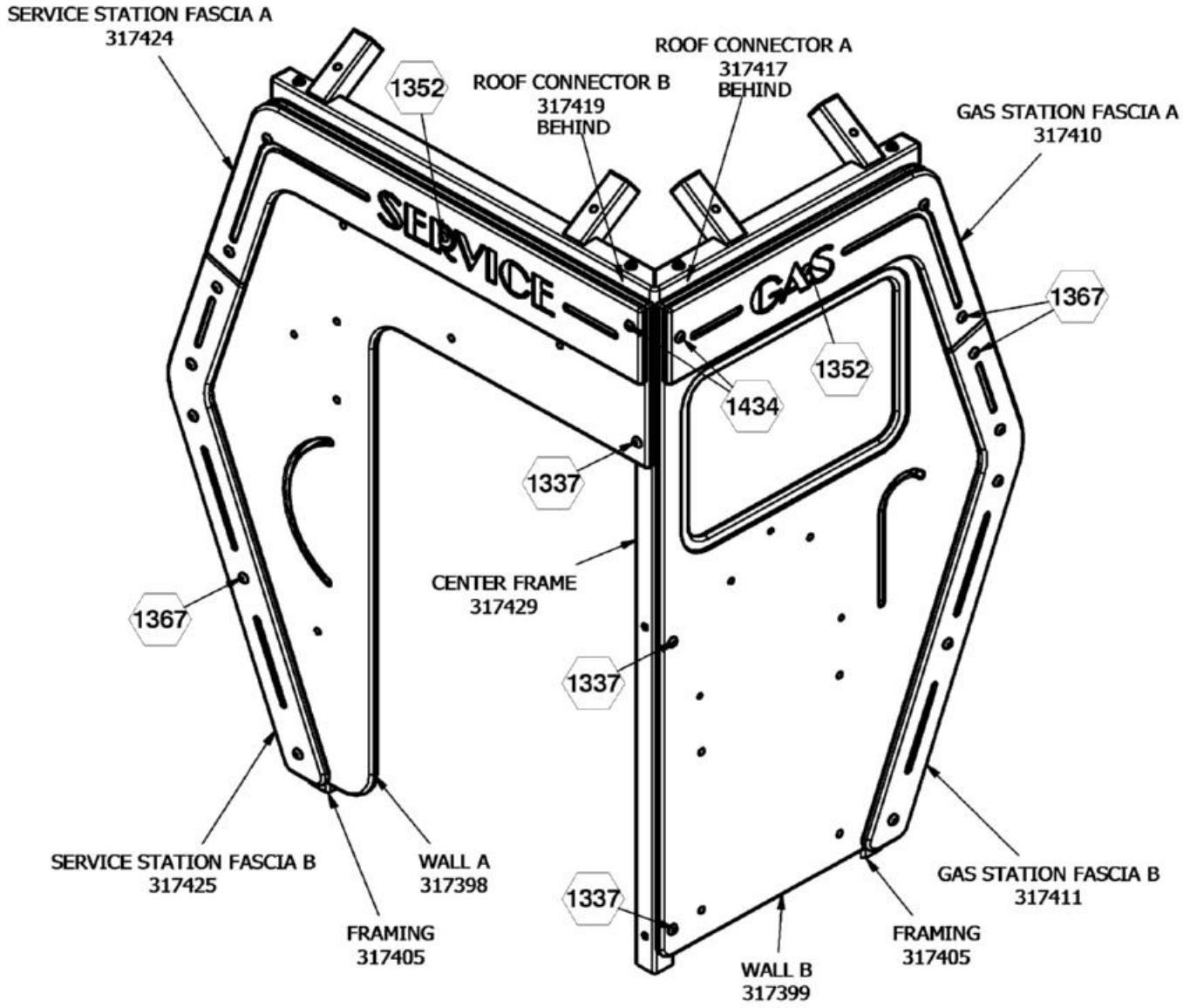



## INSTALLATION INSTRUCTIONS:

1. Determine where the Playhouse is to be installed. Refer to order Top View.
2. Attach Center Framing and Roof Connectors A and B to Roof Weldment. See Detail 1365.
3. Attach side Framings to Roof Weldment. See Detail 1366.

⬡ = INSTALLATION DETAIL

# 65299 SERVICE STATION PLAYHOUSE




4. Attach Service Station Fascia's A, B, and Wall A to Framing. See Details 1352 and 1367.

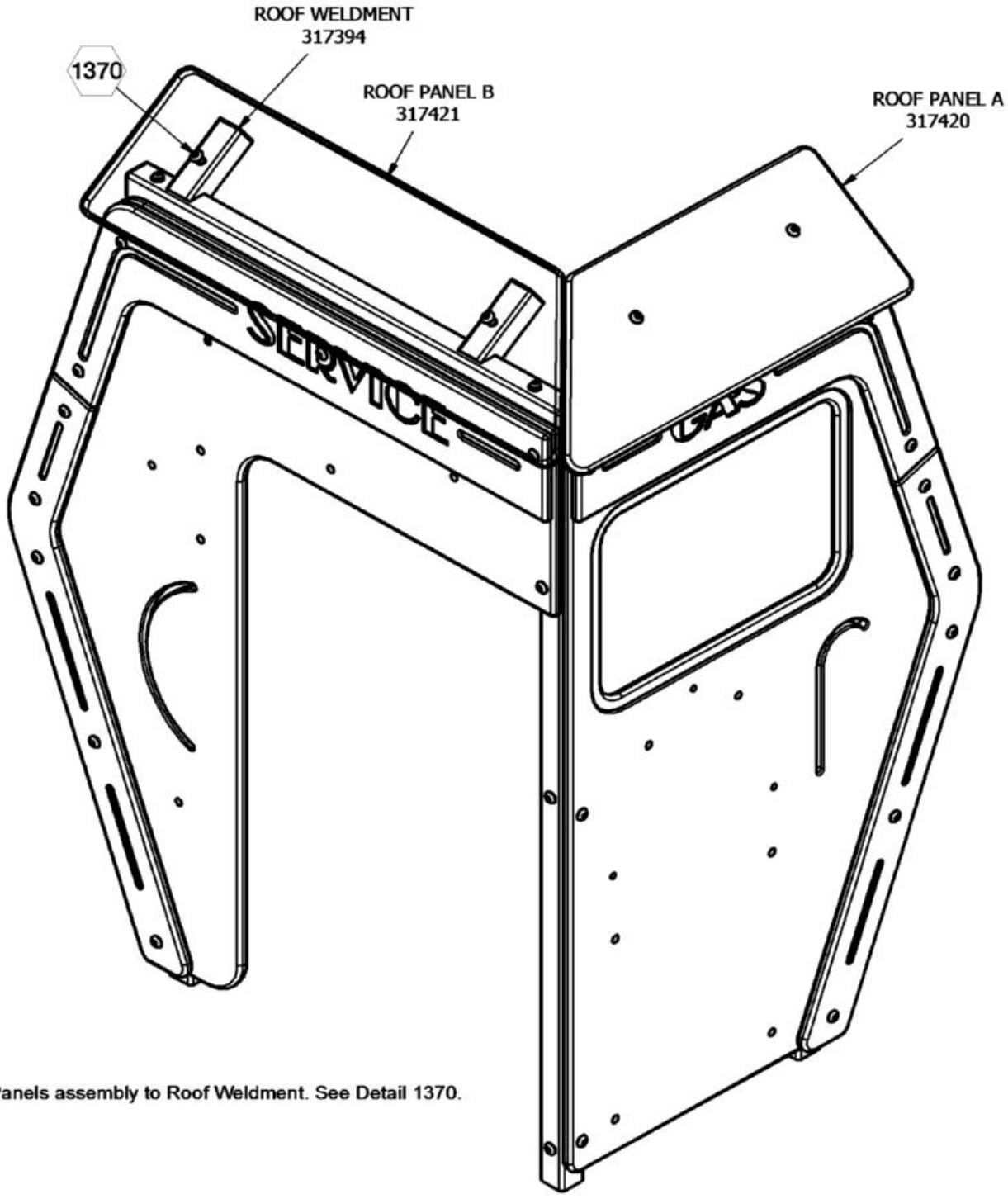
5. Attach Gas Station Fascia's A, B, and Wall B to Framing. See Details 1352 and 1367.

6. Attach Walls to Center Frame and Roof Connectors. See Detail 1434.

7. Attach Walls A and B to Center Frame. See Detail 1337.

⬡ = INSTALLATION DETAIL

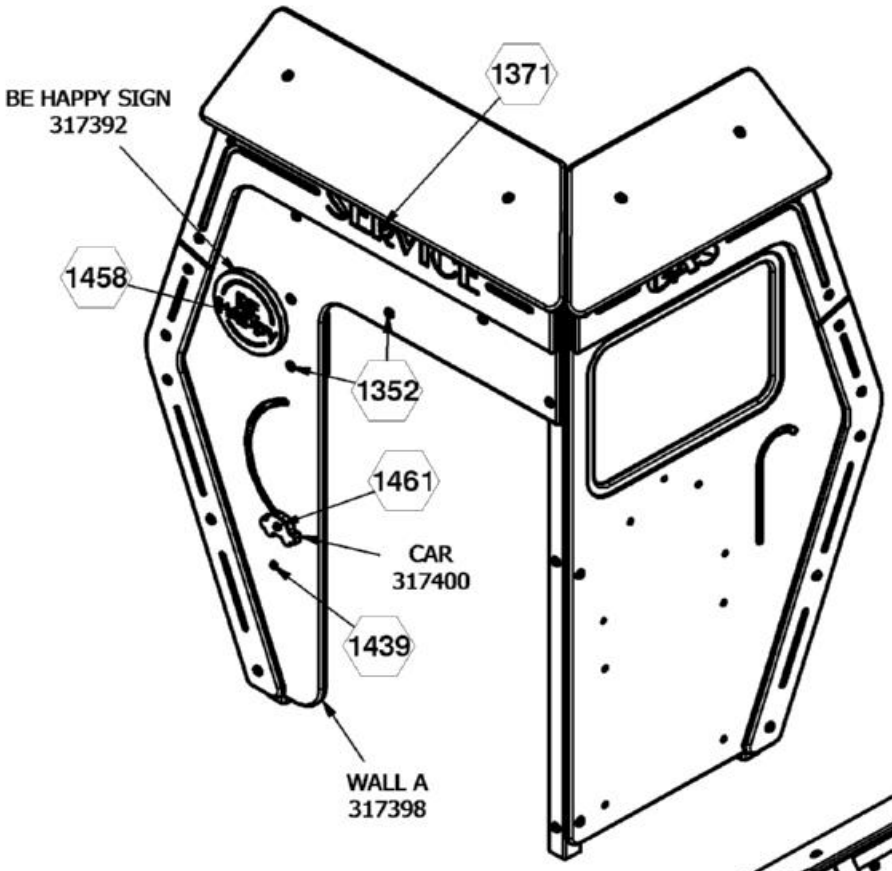
# 65299 SERVICE STATION PLAYHOUSE

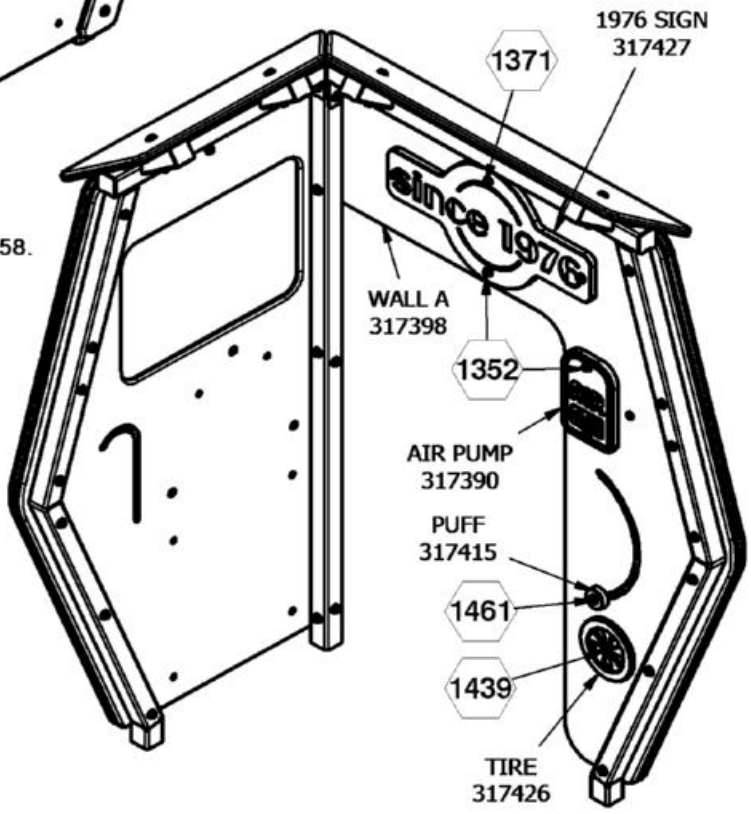



8. Attach Roof Panels assembly to Roof Weldment. See Detail 1370.

⬡ = INSTALLATION DETAIL

# 65299 SERVICE STATION PLAYHOUSE

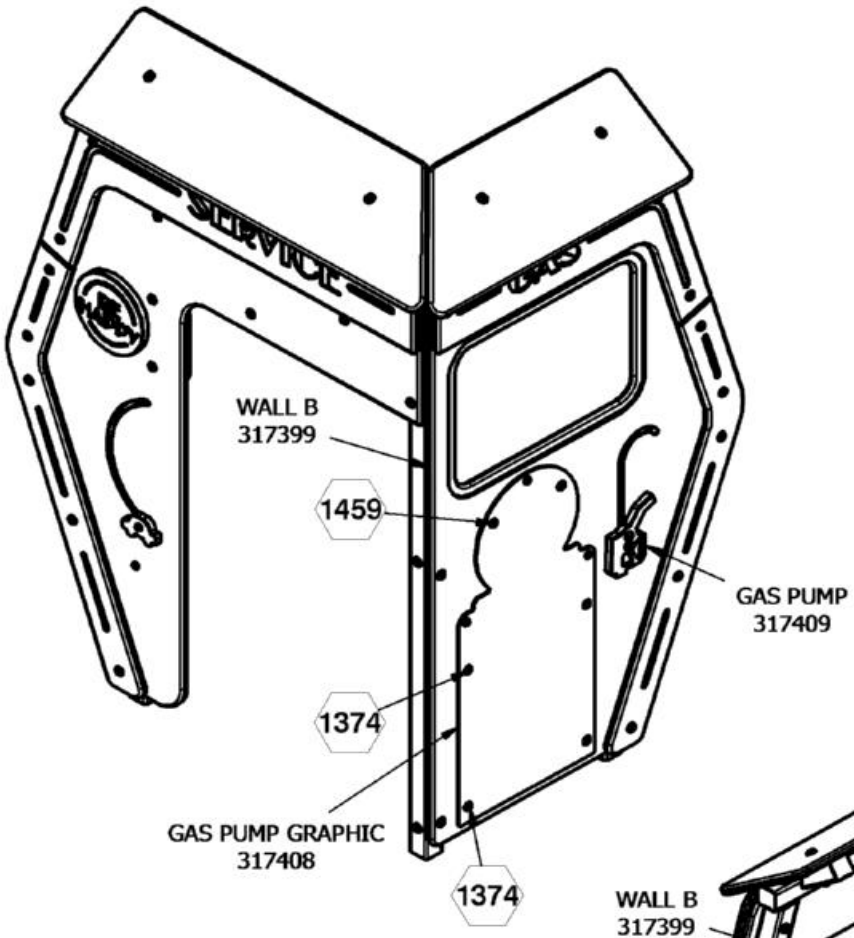


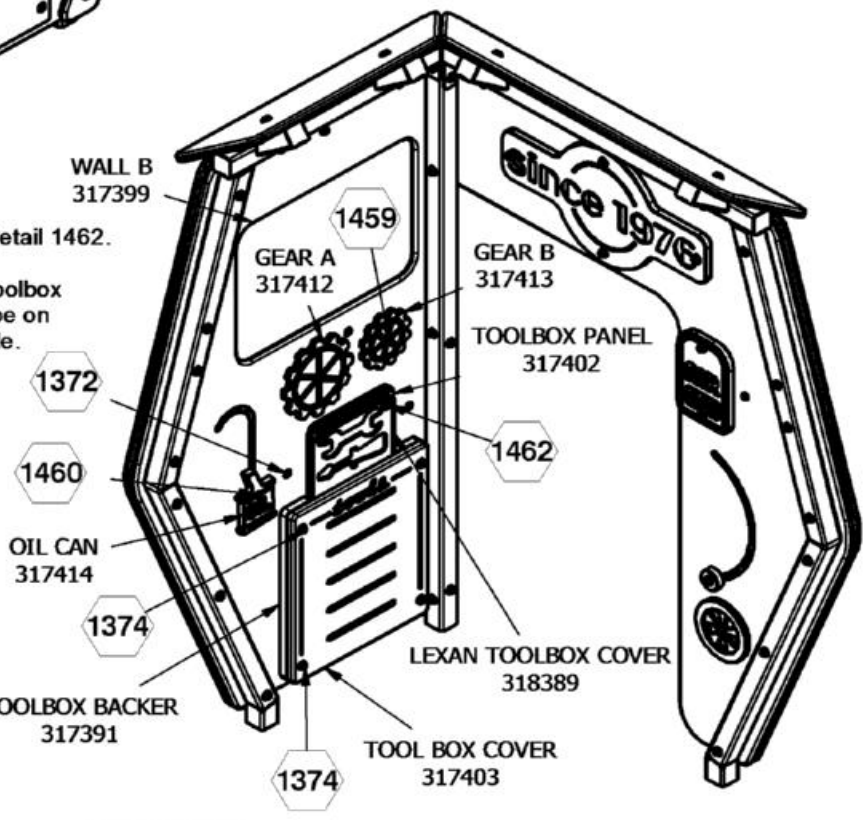




9. Attach the Be Happy Sign to outside of Wall A. See Detail 1458.
10. Attach Tire to inside of Wall A. See Detail 1439.
11. Attach Air Pump to inside of Wall A. See Detail 1352.
12. Attach 1976 Sign to inside of Wall A. See Details 1352 and 1371.
13. Attach Car and Puff to Wall A, Car on the outside and Puff on the inside. See Detail 1461.

⬡ = INSTALLATION DETAIL

# 65299 SERVICE STATION PLAYHOUSE




14. Attach Lexan Toolbox Cover to Toolbox Panel. See Detail 1462.

15. Attach Toolbox Cover, Toolbox Backer, assembled Toolbox Panel, and Gas Pump Graphic to Wall B. Toolbox to be on the inside, and Gas Pump Graphic to be on the outside. See Detail 1374.

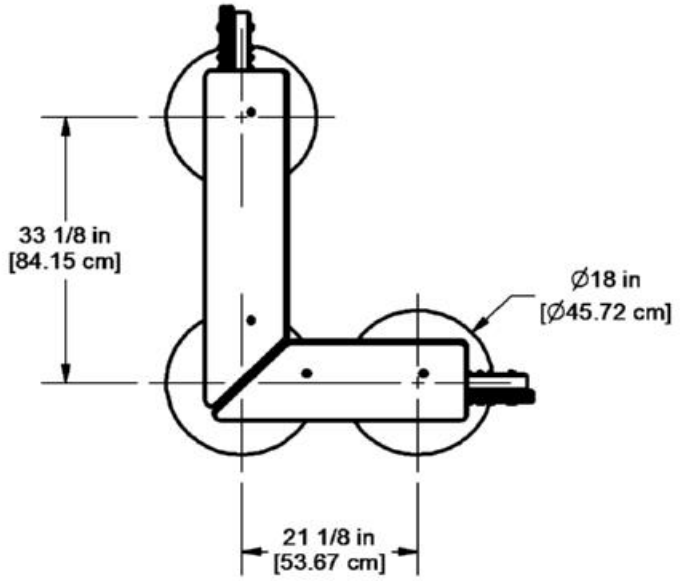
16. Attach the Gas Pump Graphic shoulders and top to Wall B. See Detail 1372.

17. Attach Gears A and B, along with Gas Pump Graphic to Wall B. Gears on the inside. See Detail 1459.

18. Attach Gas Pump and Oil Can to Wall B. Gas Pump on the outside and Oil Can on the inside. See Detail 1460.

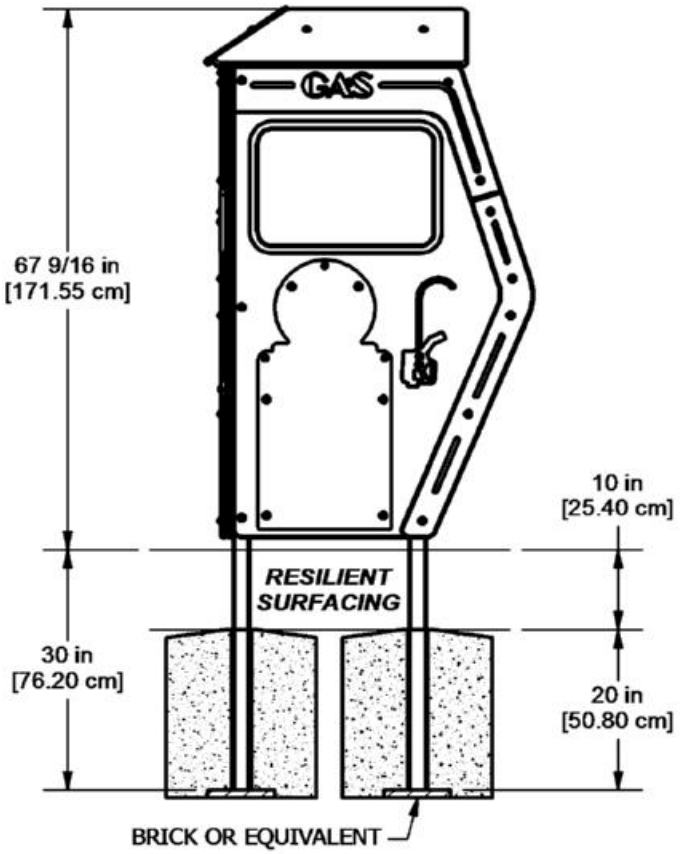
⬡ = INSTALLATION DETAIL

# 65299 SERVICE STATION PLAYHOUSE



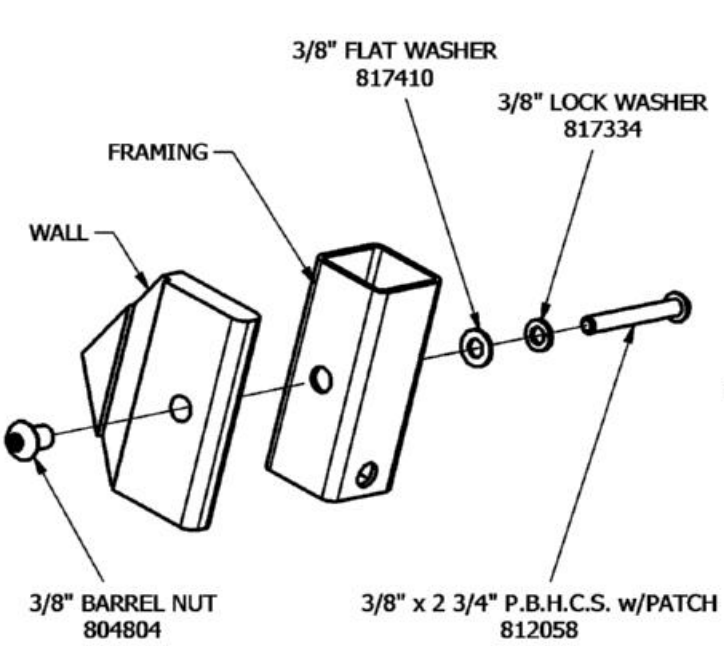

***PLAN VIEW***

**CONCRETE REQUIRED**
0.327 CUBIC YARDS
0.249 [CUBIC METERS]

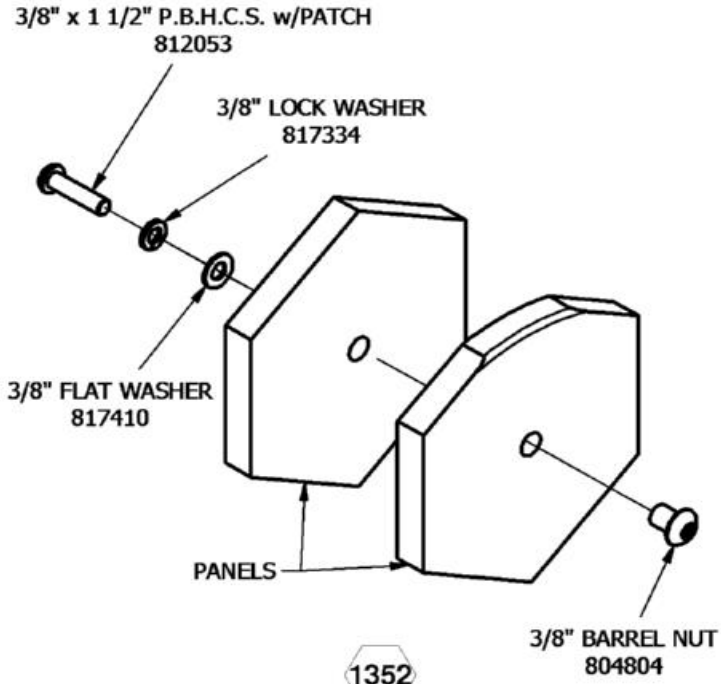



***ELEVATION VIEW***

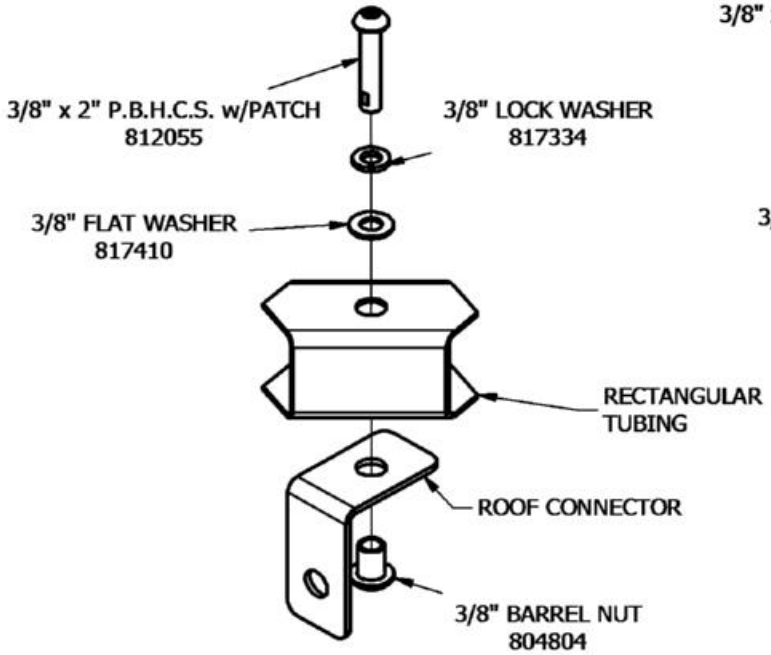
# 65299 SERVICE STATION PLAYHOUSE



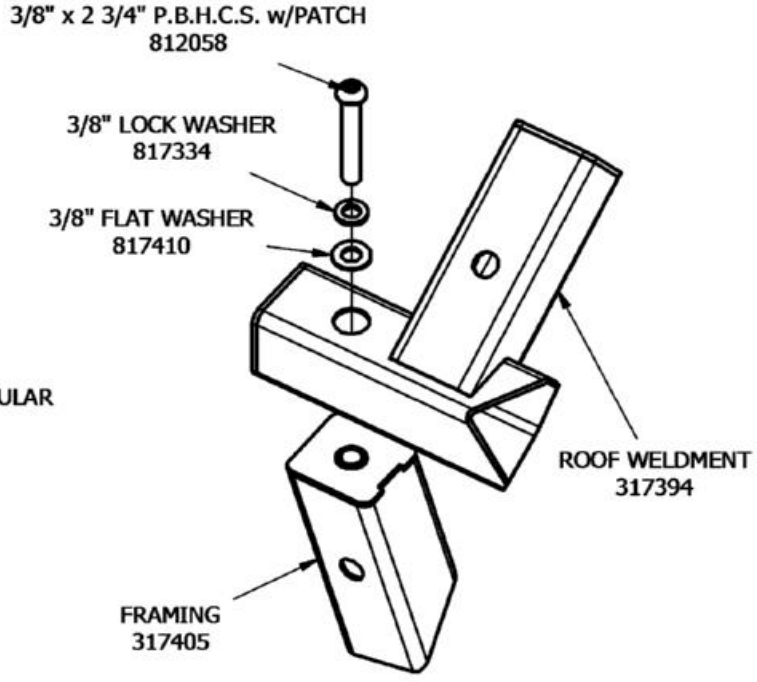

1337




1352

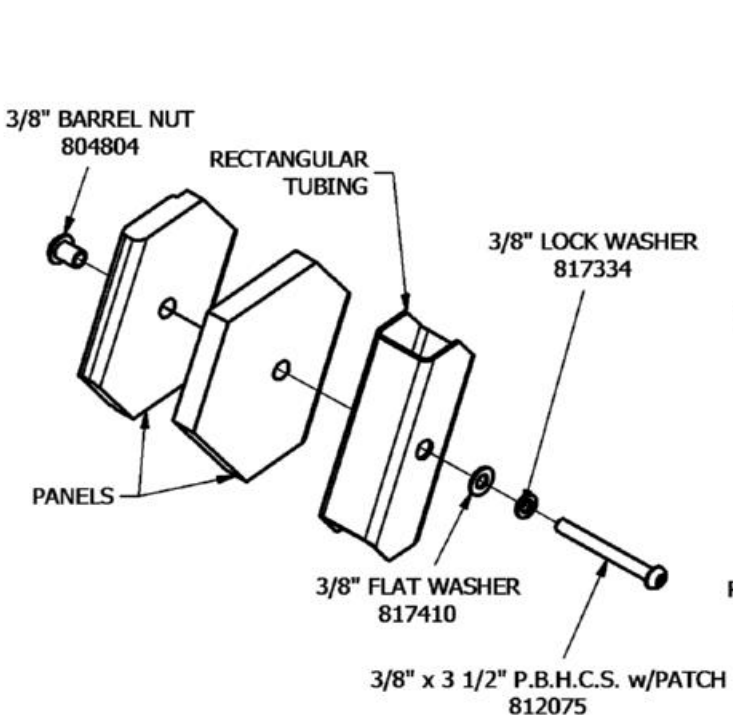



1365

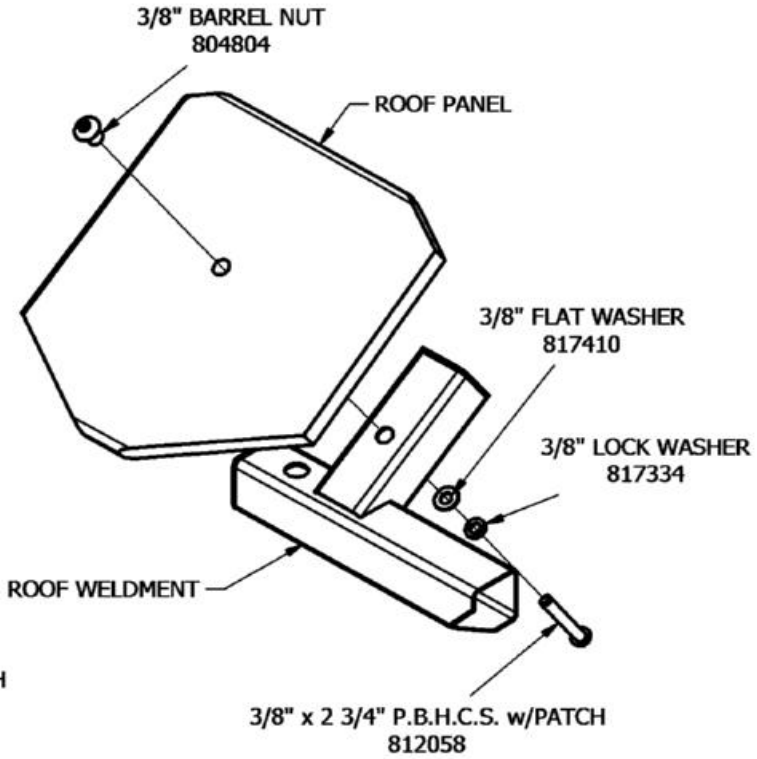



1366

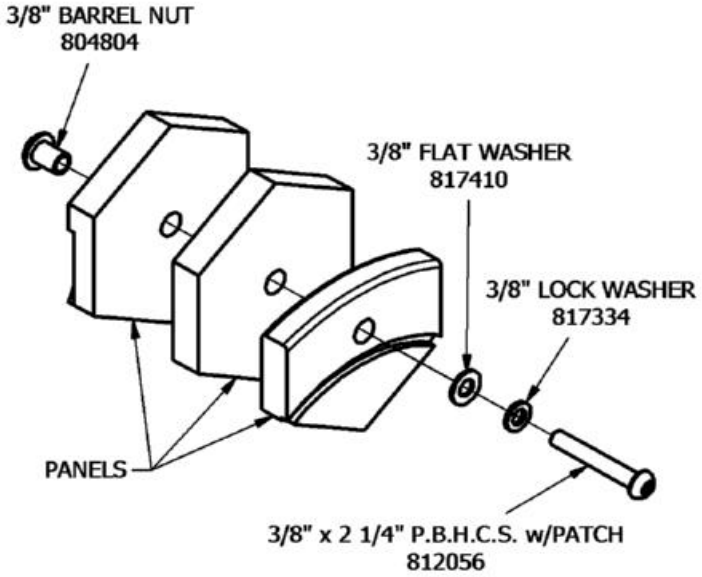
# 65299 SERVICE STATION PLAYHOUSE



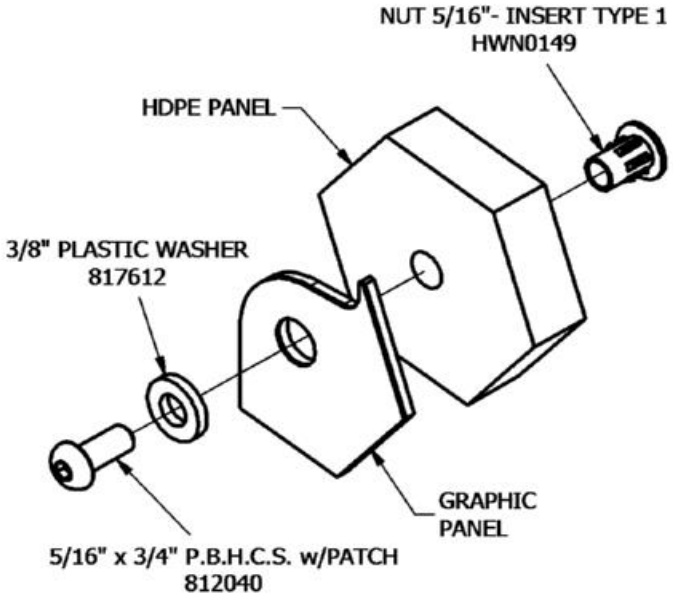

1367




1370

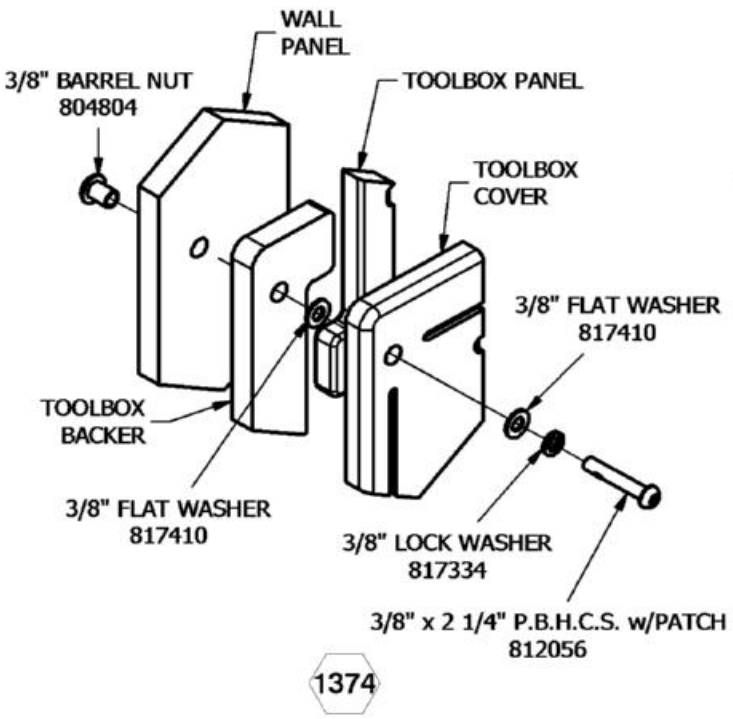


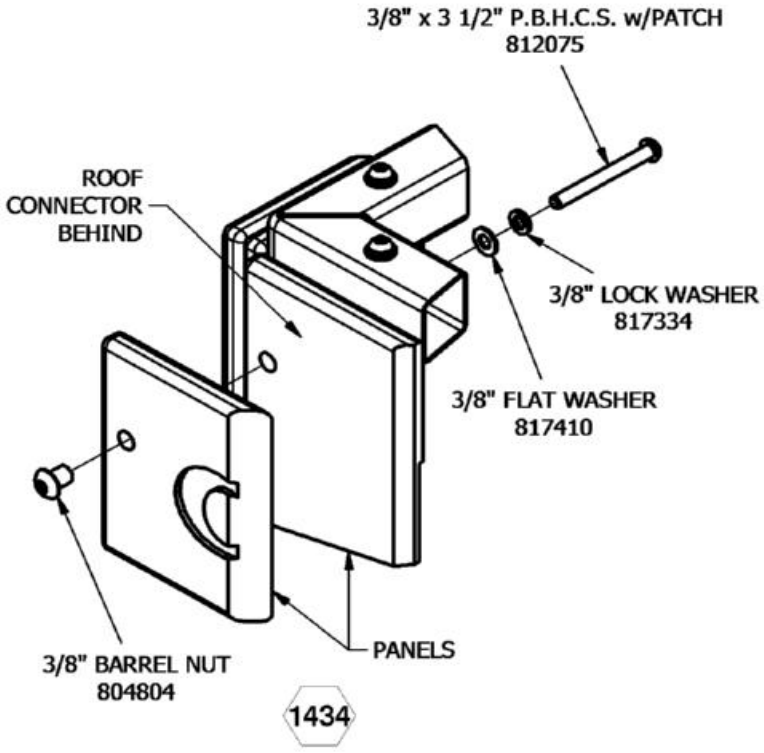

1371

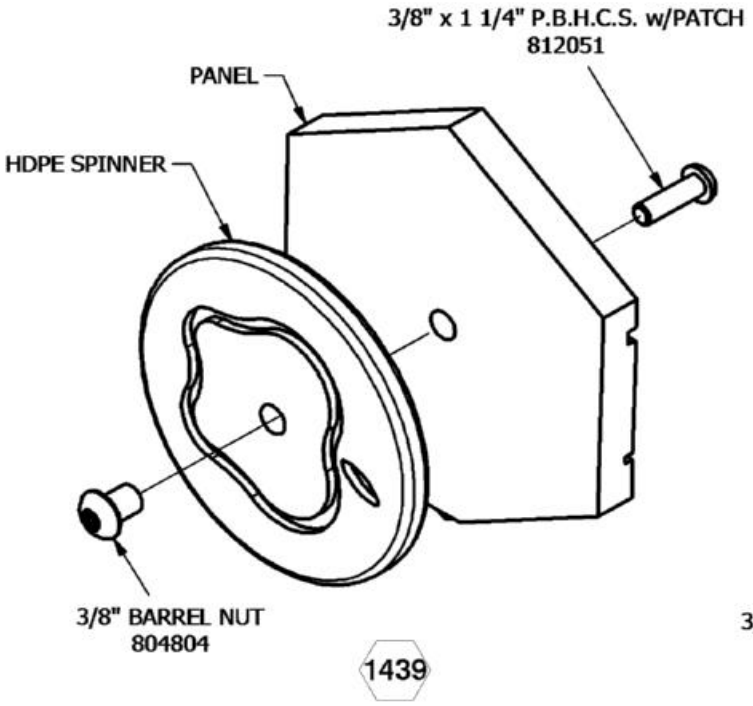


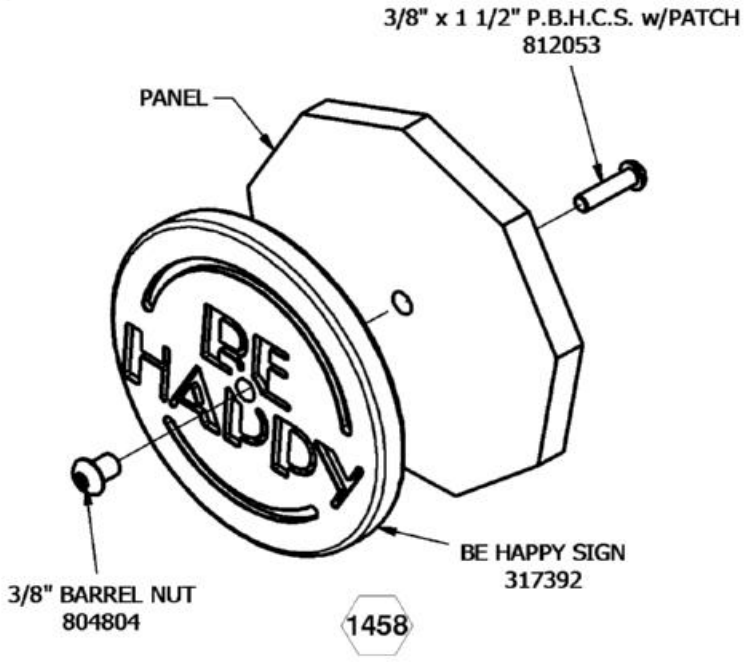

1372

# 65299 SERVICE STATION PLAYHOUSE

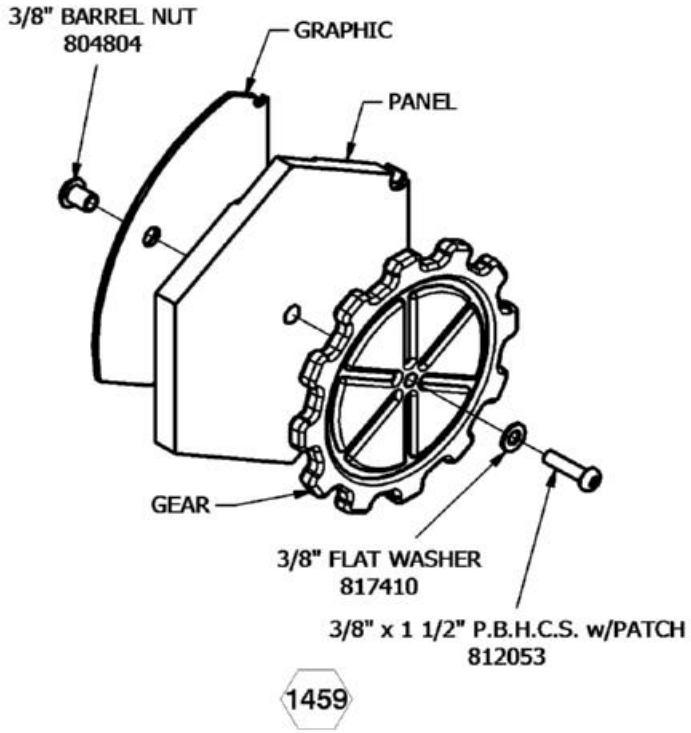


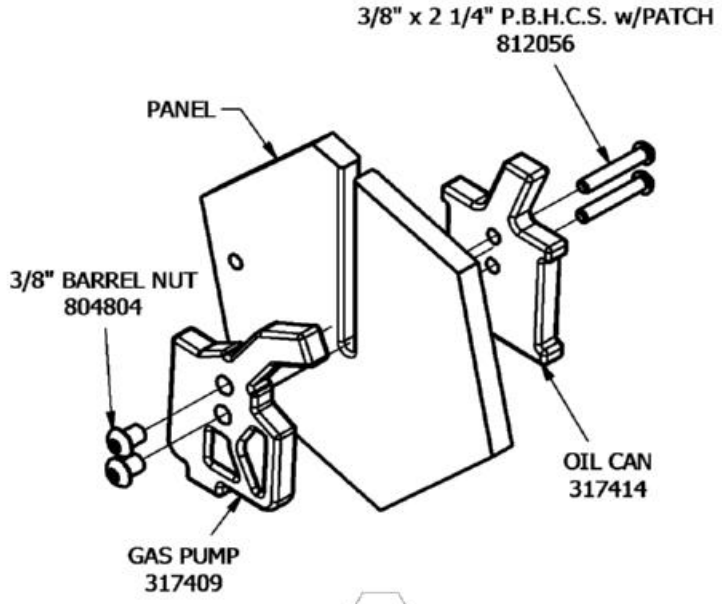



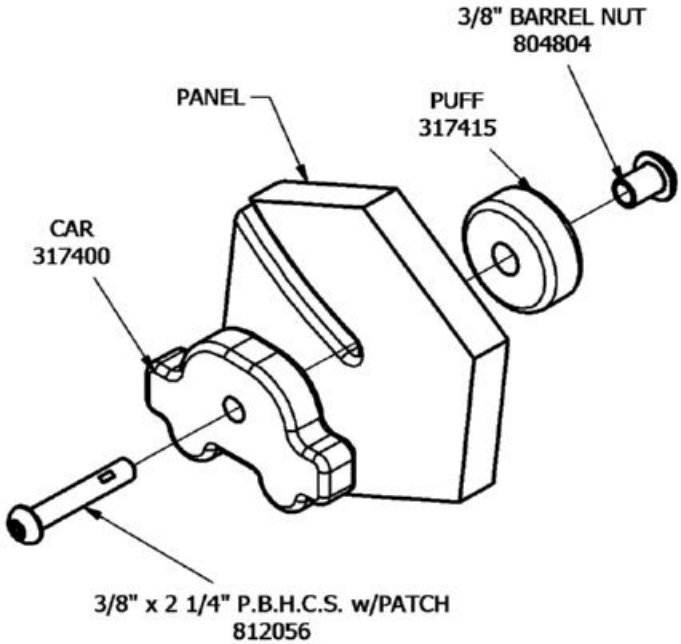
# 65299 SERVICE STATION PLAYHOUSE



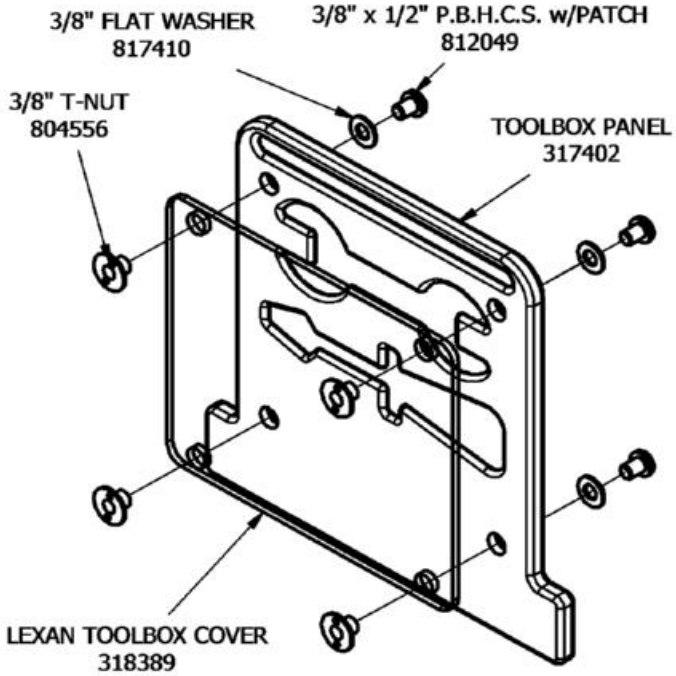

1459




1460




1461




1462

# MODEL NO. 67841 Scoop Digger

## PARTS LIST

| DESCRIPTION | No. REQ'D | PART NUMBER |
|---|---|---|
| Seat Support | 1 | 179693* |
| Ground Post | 1 | 178149 |
| Left Arm | 1 | 179247* |
| Right Arm | 1 | 178151* |
| Horizontal Arm | 1 | 179244* |
| Backhoe Casting | 1 | 177720* |
| Seat | 1 | 177718* |
| *Hardware Complete* | 1 | 179250 |
| Bronze Thrust Washer | 2 | 818389** |
| 3/8" x 3/4" P.B.H.C.S. w/Patch | 3 | 812052** |
| 3/8" Flatwasher (1 1/4" O.D.) | 2 | 817424** |
| 3/8" Lockwasher | 5 | 817334** |
| 3/8" Barrel Nut | 1 | 804804** |
| 1/2" Flatwasher | 1 | 817412** |
| 1/2" Lockwasher | 1 | 817342** |
| 1/2" x 2 1/2" Shoulder Bolt | 2 | 802734** |
| 1/2" x 1 1/4" Shoulder Bolt | 1 | 802726** |
| 3/8" x 1 1/2" Carraige Bolt | 2 | 800255** |
| 3/8" Hex Nut | 2 | 804053** |
| Bushing | 1 | 102820** |
| Anchor Rod | 1 | 135038** |
| 3/8" Pin-In Torx Bit | 1 | 812655** |

***Unless Otherwise Specified, All Units of Measure are Each***
**** Included in 308631 Package***
*****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.***

## SPECIFICATIONS

***SEAT SUPPORT:*** Shall be fabricated from 1" X 3" rectangular tubing with 2 3/8"" O.D. galvanized pipe underneath seat for ground post and 1 3/8" stainless steel machined rod for arms. The assembly shall be an all-welded construction.
***SEAT AND BACKHOE DIGGER:*** Shall be cast from high tensile strength aluminum.
***GROUND POST:*** Shall be fabricated of 2-3/8" O.D. galvanized pipe with a stainless steel machined top. The assembly shall be an all-welded construction.
***LEFT ARM:*** Shall be fabricated from 1-1/16" O.D. galvanized pipe and 1" O.D. DOM tubing in an all-welded construction.
***RIGHT ARM:*** Shall be fabricated from 1-1/16" O.D. galvanized pipe, 1" O.D. DOM tubing and 3/16" H.R. steel formed bracket in an all-welded construction.
***HORIZONTAL ARM ASS'Y:*** Shall be fabricated from 1-1/16" galvanized pipe in an all-welded construction.
***FINISH:*** Shall be a bright powder coat finish.
***HARDWARE:*** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.
***NOTE:*** All weights are based on average comparisons of each part.
***SPECIFICATIONS:*** PLAY AND PARK STRUCTURES has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

# MODEL NO. 67841 Scoop Digger

***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.

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

***STEP 1:*** Dig a 2'-6" [76.20cm] deep x 1'-6" [45.72cm] diameter hole. Place a brick or equivalent at the bottom of hole to help support the upright. Allow for this in hole depth. Dig out for sand pit approximately 0'-10" [25.40cm] deep x 3'-9" [114.30cm] radius. See Front View.

***STEP 2:*** Insert anchor rod into ground post.Place ground post in hole so that machined end is at the top of upright. Fill hole with concrete to within 1'-0" [30.48cm] of ground level and cover concrete with 0'-2" [5.08cm] of backfill. Check to make sure post is leve and plumb. Allow 48 hours minimum for concrete to cure and harden.

***STEP 3:*** Slide Seat Support over ground post. See Detail A.

***STEP 4:*** Attach right and Left Arms to Seat Support using hardware shown in detail. See Detail B.

***STEP 5:*** Attach Horizontal Arm to the bracket welded on the Right Arm. See Detail C.

***STEP 6:*** Attach Shovel Casting to the end of the Horizontal Arm and the Left Arm as shown in Detail D.

***STEP 7:*** Attach Seat to the Seat Support Assembly as shown in Detail E.

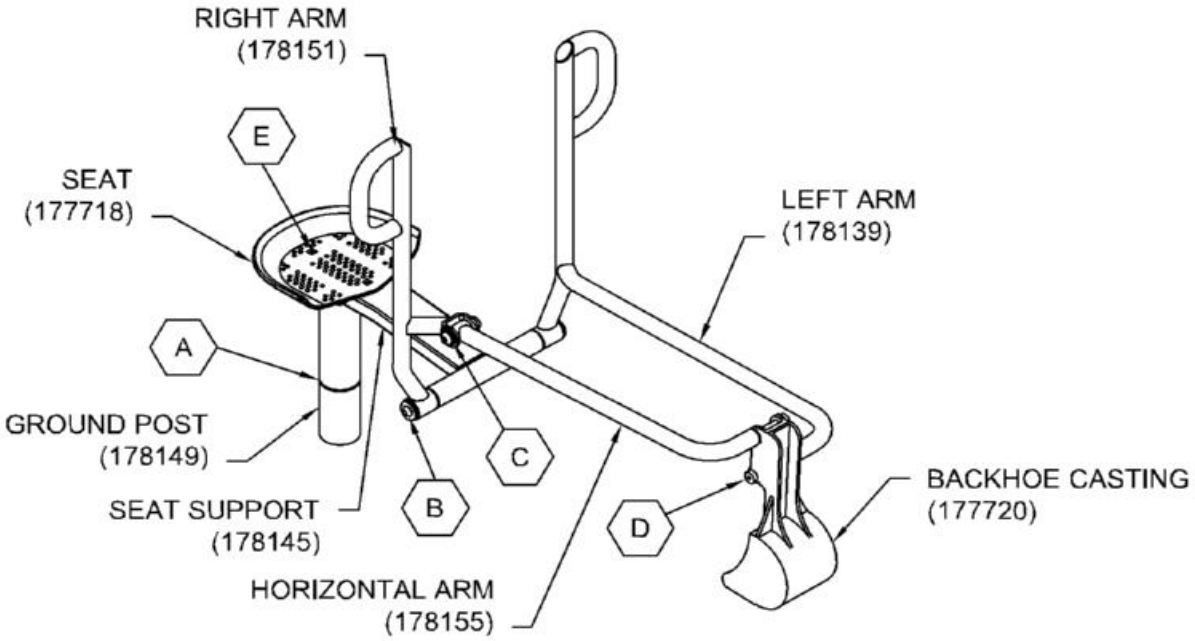
***NOTE:*** Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

***NOTE:*** REGULAR MAINTENANCE REQUIRES LUBRICATION WITH STANDARD AUTOMOTIVE GREASE. A GREASE FITTING IS INCLUDED FOR THIS PURPOSE. IN AREAS OF HIGH USE, LUBRICATION INTERVALS SHOULD BE INCREASED ACCORDINGLY.

***NOTE:*** Loctite (supplied by others) should be used on all threaded hardware.

***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 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 F-1487 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.

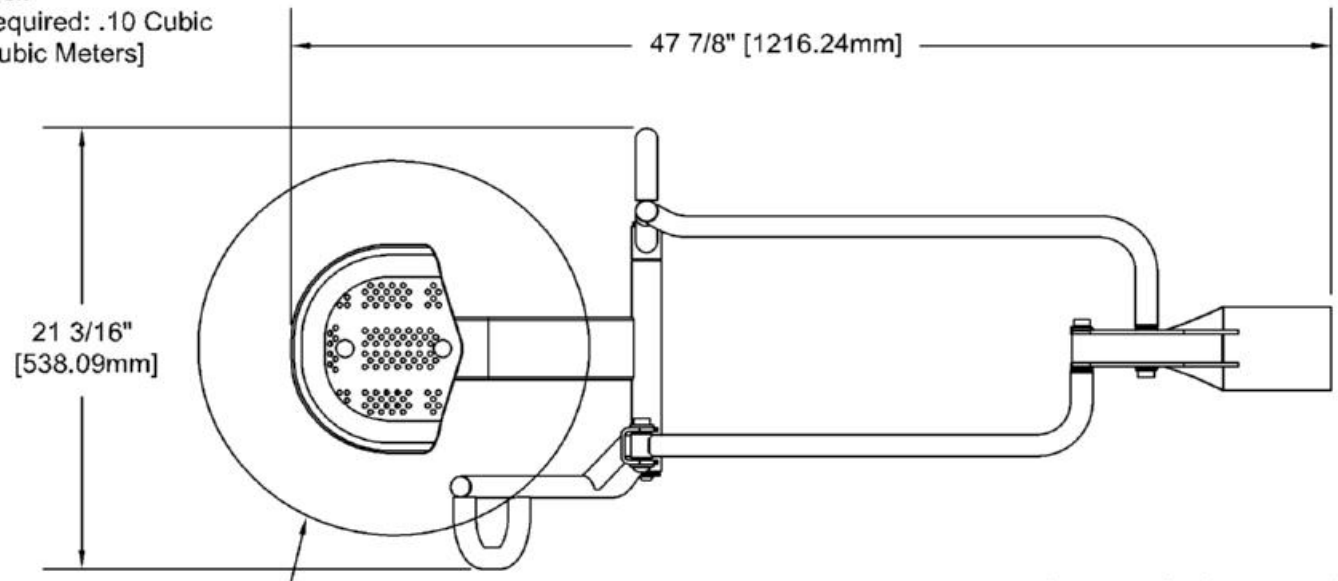



= INSTALLATION DETAIL

ASSEMBLY DRAWING

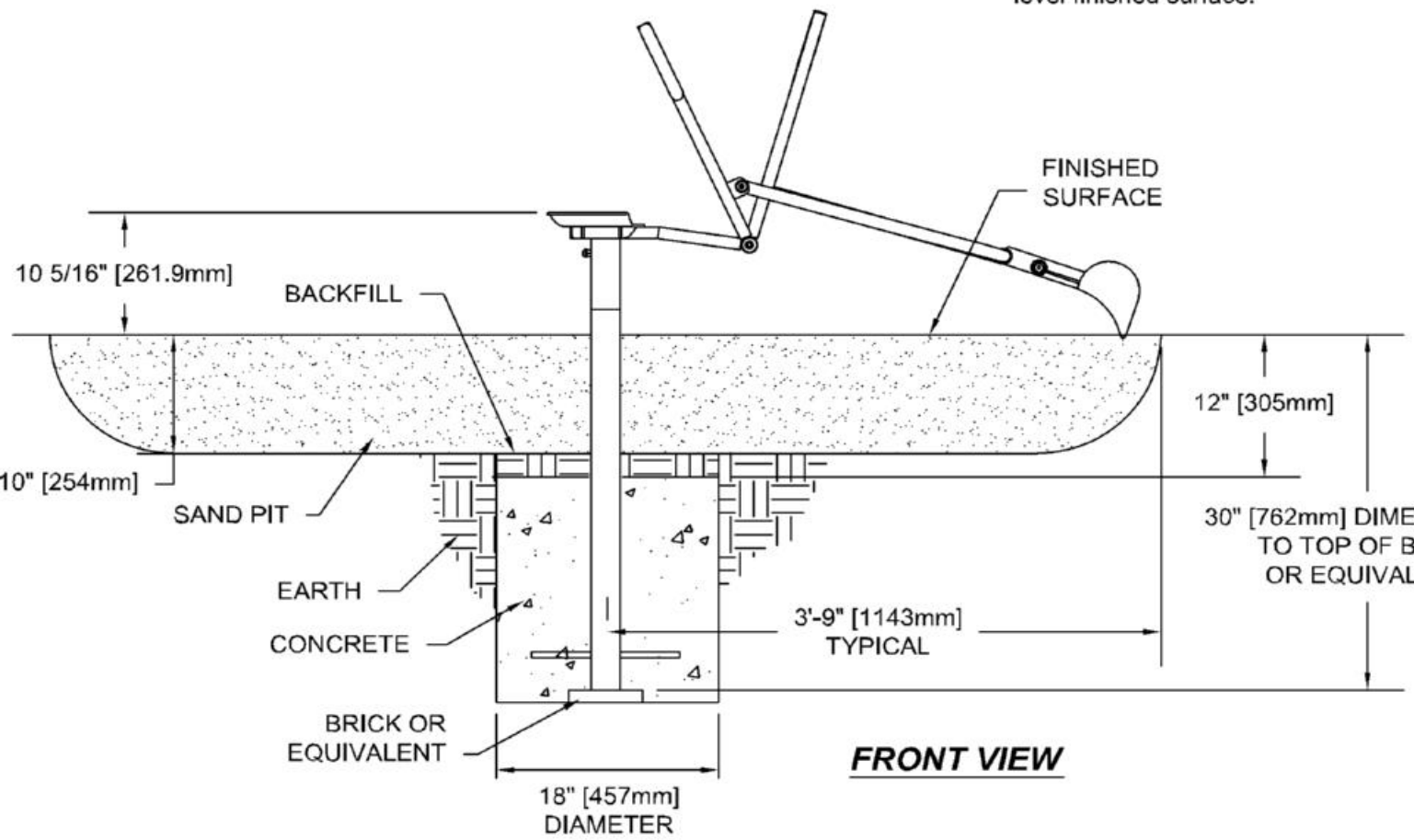
# MODEL NO. 67841 Scoop Digger

NOTE:
-Suggested minimum concrete rating: 3000psi.
-Concrete Required: .10 Cubic Yards [.08 Cubic Meters]



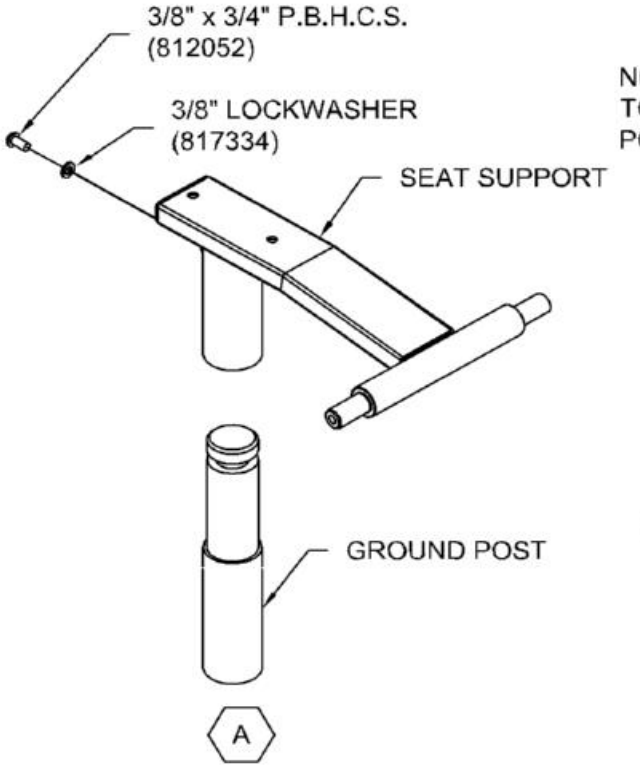

***TOP VIEW***

NOTE: Hole depths indicated on all ground plans are measured from the finished surface. See Footing Detail. All footing dimensions are based on level finished surface.

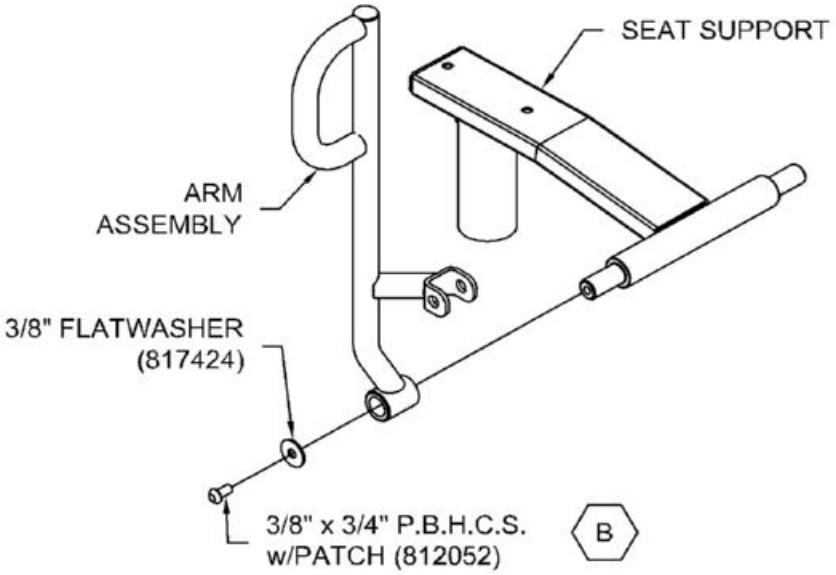



***FRONT VIEW***

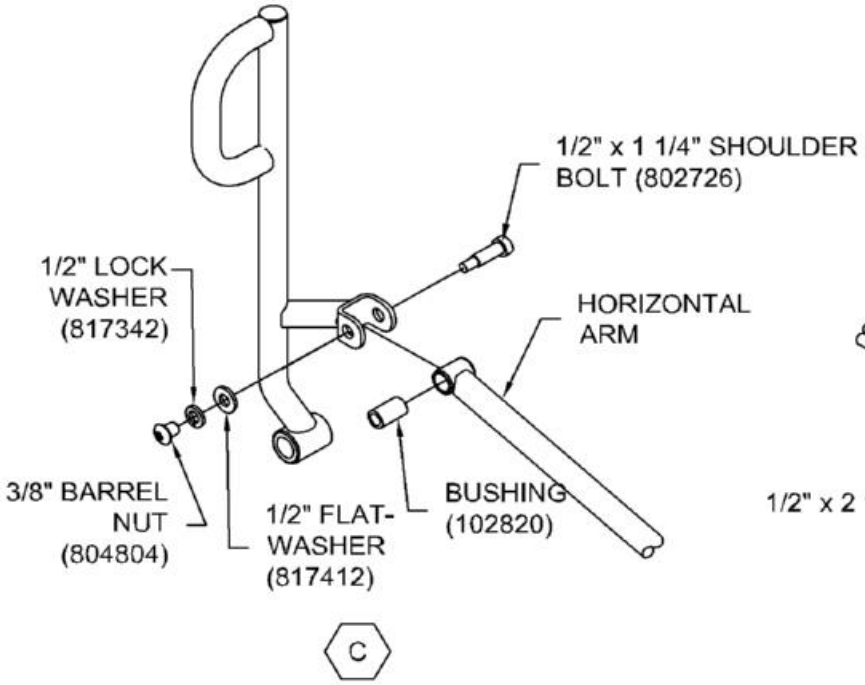
# MODEL NO. 67841 Scoop Digger

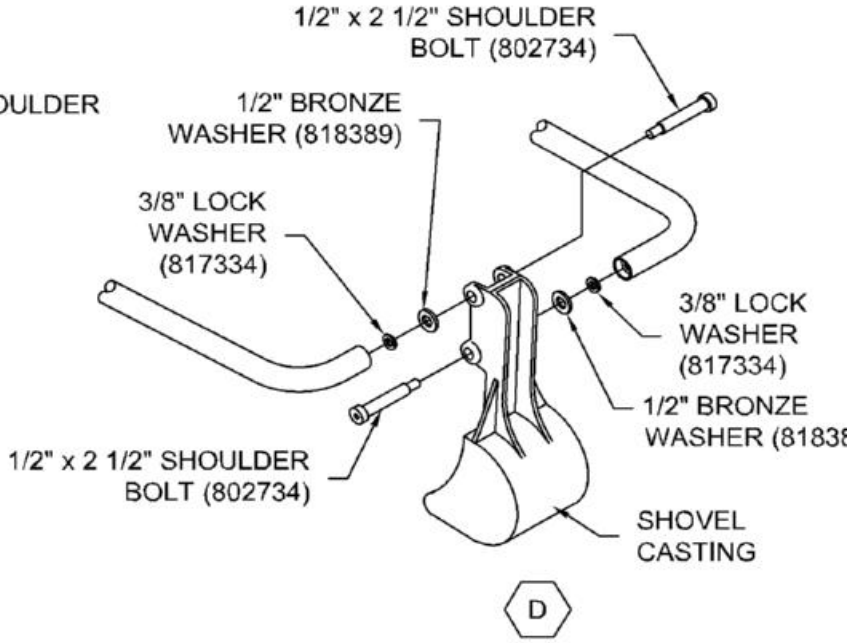



NOTE: APPLY GREASE (SUPPLIED BY OTHERS)
TO NON-PAINTED SURFACES ON GROUND
POST AND SEAT SUPPORT BEFORE ASSEMBLY..

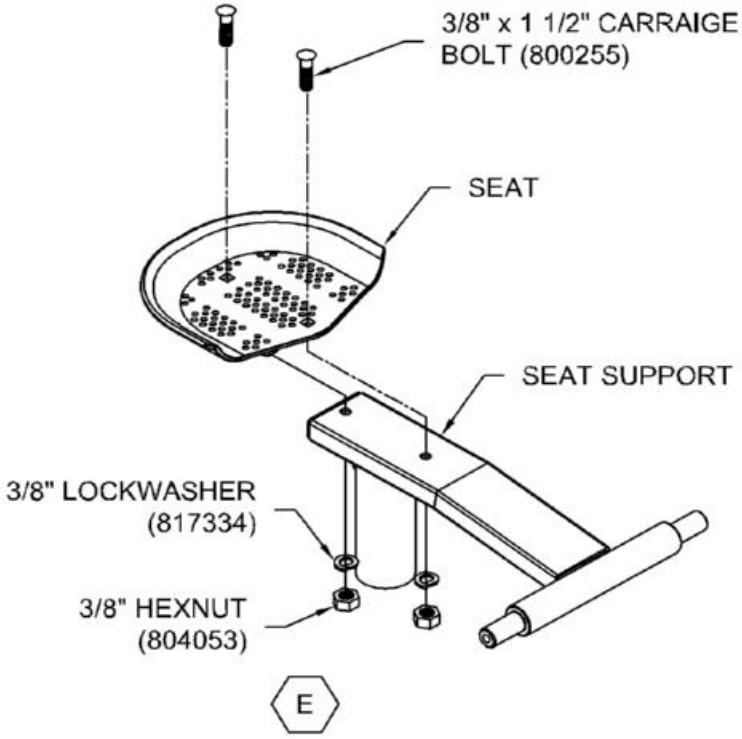



NOTE: APPLY LOCTITE (SUPPLIED BY OTHERS)
TO ALL NON-PATCH HARDWARE.



# MODEL NO. 67841 Scoop Digger



# MODEL NO. 67842 Accessible Scoop Digger

## PARTS LIST

| DESCRIPTION | No. REQ'D | PART NUMBER |
|---|---|---|
| Base Assembly | 1 | 179695* |
| Ground Post | 1 | 179638 |
| Left Arm | 1 | 179249* |
| Right Arm | 1 | 178474* |
| Horizontal Arm | 1 | 179244* |
| Backhoe Casting | 1 | 177720* |
| *Hardware Complete* | 1 | 179251 |
| Bronze Thrust Washer | 2 | 818389** |
| 3/8" x 3/4" P.B.H.C.S. w/Patch | 3 | 812052** |
| 3/8" Flatwasher (1 1/4" O.D.) | 2 | 817424** |
| 3/8" Lockwasher | 3 | 817334** |
| 3/8" Barrel Nut | 1 | 804804** |
| 1/2" Flatwasher | 1 | 817412** |
| 1/2" Lockwasher | 1 | 817342** |
| 1/2" x 2 1/2" Shoulder Bolt | 2 | 802734** |
| 1/2" x 1 1/4" Shoulder Bolt | 1 | 802726** |
| Bushing | 1 | 102820** |
| Anchor Rod | 1 | 135038** |
| 3/8" Pin-In Torx Bit | 1 | 812655** |

***Unless Otherwise Specified, All Units of Measure are Each***
**** Included in 308630 Package***
*****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.***

## SPECIFICATIONS

***BASE ASSEMBLY:*** Shall be fabricated from 2 3/8"" O.D. galvanized pipe for ground post and 1 3/8" stainless steel machined rod for arms. The assembly shall be an all-welded construction.
***BACKHOE CASTING:*** Shall be cast from high tensile strength aluminum.
***GROUND POST:*** Shall be fabricated of 2-3/8" O.D. galvanized pipe with a stainless steel machined top. The assembly shall be an all-welded construction.
***LEFT ARM:*** Shall be fabricated from 1-1/16" O.D. galvanized pipe and 1" O.D. DOM tubing in an all-welded construction.
***RIGHT ARM:*** Shall be fabricated from 1-1/16" O.D. galvanized pipe, 1" O.D. DOM tubing and 3/16" H.R. steel formed bracket in an all-welded construction.
***HORIZONTAL ARM ASS'Y:*** Shall be fabricated from 1-1/16" galvanized pipe in an all-welded construction.
***FINISH:*** Shall be a bright powder coat finish.
***HARDWARE:*** All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.
***NOTE:*** All weights are based on average comparisons of each part.
***SPECIFICATIONS:*** We have a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

# *MODEL NO. 67842 Accessible Scoop Digger*

***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.

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

***STEP 1:*** Dig a 2'-6" [76.20cm] deep x 1'-6" [45.72cm] diameter hole. Place a brick or equivalent at the bottom of hole to help support the upright. Allow for this in hole depth. Dig out for sand pit approximately 0'-10" [25.40cm] deep x 3'-9" [114.30cm] radius. See Front View.

***STEP 2:*** Insert anchor rod into ground post.Place ground post in hole so that machined end is at the top of upright. Be sure that cut out slot in ground post faces in the opposite direction from the intended area for the sand pit. Fill hole with concrete to within 1'-0" [30.48cm] of ground level and cover concrete with 0'-2" [5.08cm] of backfill. Check to make sure post is level and plumb. Allow 48 hours minimum for concrete to cure and harden.

***STEP 3:*** Slide Base Assembly over ground post. See Detail A.

***STEP 4:*** Attach right and Left Arms to Base Assembly using hardware shown in detail. See Detail B.

***STEP 5:*** Attach Horizontal Arm to the bracket welded on the Right Arm. See Detail C.

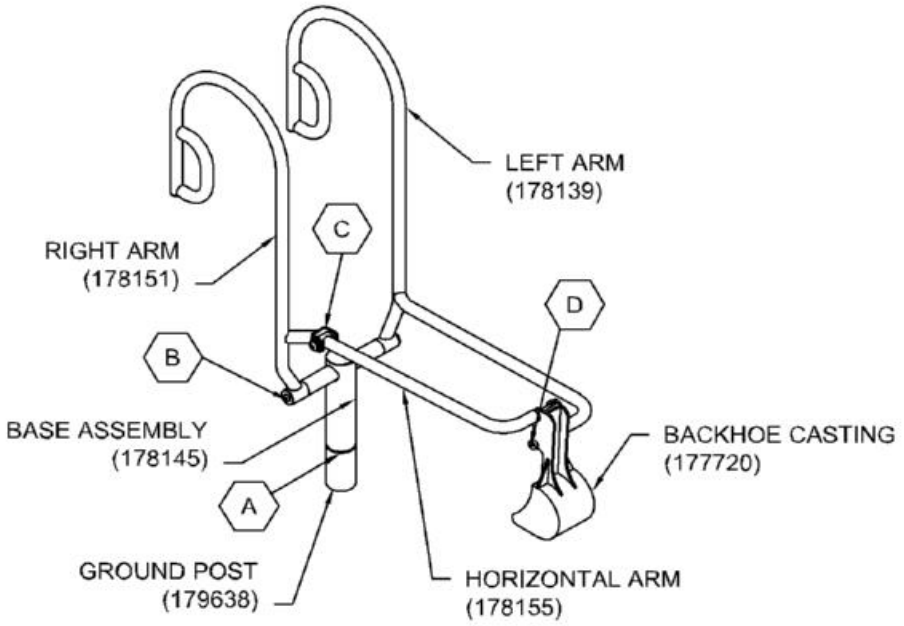
***STEP 6:*** Attach Shovel Casting to the end of the Horizontal Arm and the Left Arm as shown in Detail D.

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

***NOTE:*** Loctite (supplied by others) should be used on all threaded hardware.

***MAINTENANCE PROCEDURE:***

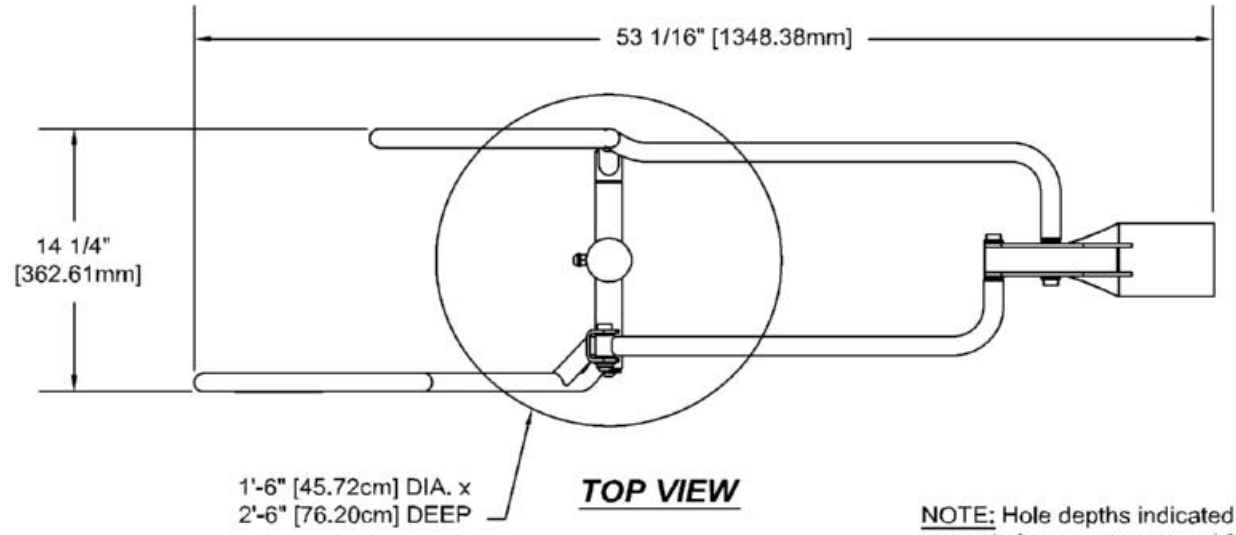
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check for welded areas and verify integrity. Check 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 F-1487 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.




⬡ = INSTALLATION DETAIL

ASSEMBLY DRAWING

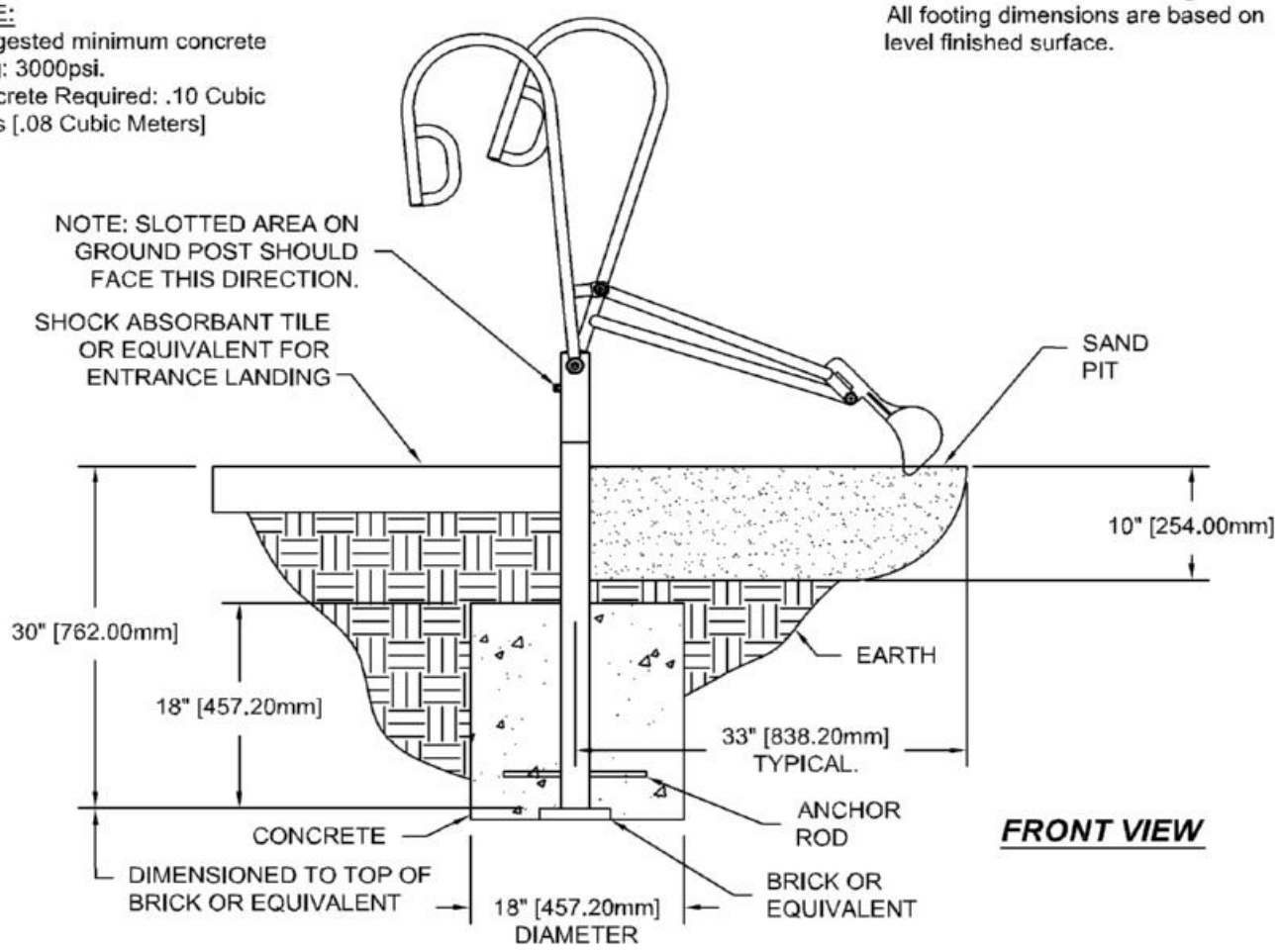
# MODEL NO. 67842 Accessible Scoop Digger




**TOP VIEW**

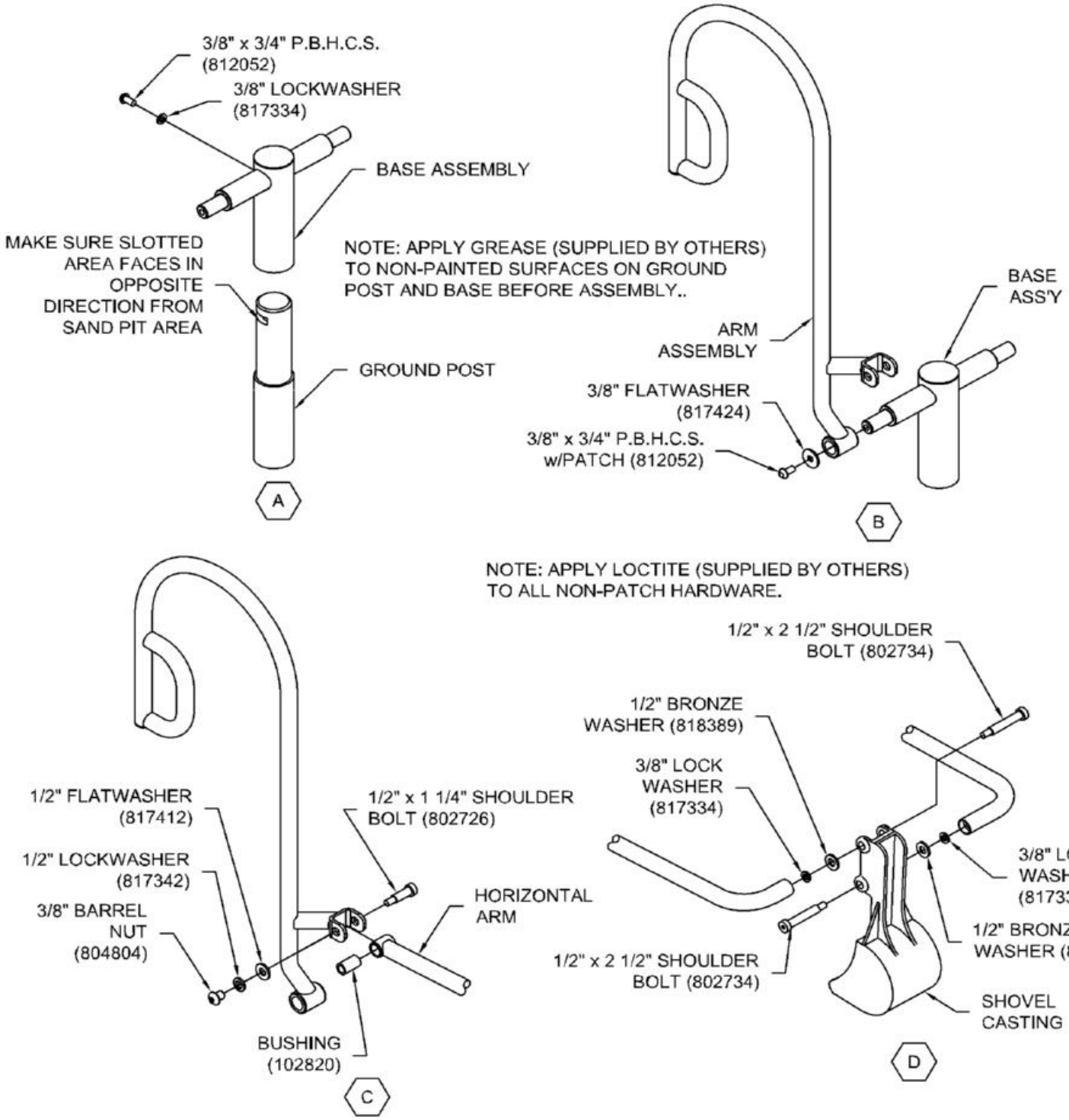
NOTE: Hole depths indicated on all ground plans are measured from the finished surface. See Footing Detail. All footing dimensions are based on level finished surface.

NOTE:
-Suggested minimum concrete rating: 3000psi.
-Concrete Required: .10 Cubic Yards [.08 Cubic Meters]




**FRONT VIEW**

# MODEL NO. 67842 Accessible Scoop Digger



Pleasant Valley School District
3535 Village at the Park
Camarillo, CA 93012

Play & Park Structures

This play equipment is recommended for children ages:
2-5 or 5-12

Minimum Area Required:
Per Site

Scale: 3/16"=1'-0"
This drawing can be scaled only when in an 24" x 36" format

Drawn By:
Cassie Pruitt
Date:
2/11/26
Quote Number:
821-174675F

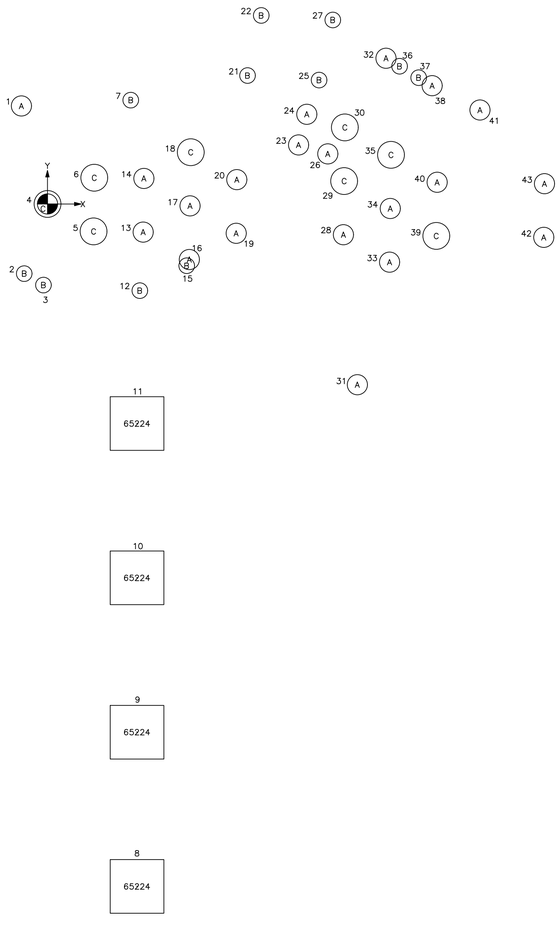
play&park structures
A PLAYCORE Company
544 Chestnut Street
Chattanooga, TN 37402
800-727-1907 / www.playandpark.com

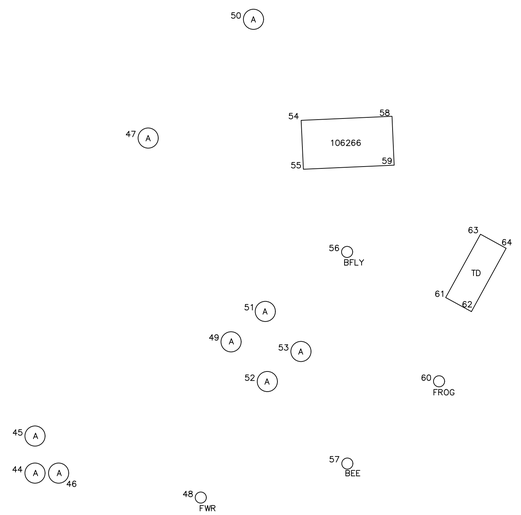
| | | | | |
|---|---|---|---|---|
| Total Play Components | 44 | | | User Capacity |
| Elevated Play Components | 9 | | | 150-160 |
| Elevated Play Components Accessible by Ramp | 6 | Req. | 0 | Critical Fall Height |
| Elevated Components Accessible by Transfer | 6 | Req. | 5 | 8'-0" |
| Accessible Ground Level Components Shown | 35 | Req. | 3 | |
| Different Types of Ground Level Components | 5 | Req. | 2 | |

SUPERmax PLAY SYSTEMS
BigToys
ultraPLAY
A PLAYCORE Company

Order 6441617

ISO 9001 CERTIFIED




| FOOTINGS ORDINATE TABLE | | | |
|---|---|---|---|
| HOLE | X | Y | DIAG |
| 1 | -1'-11 1/2" | 6'-4 1/2" | 6'-8" |
| 2 | -1'-8 1/2" | -6'-1 1/2" | 6'-4" |
| 3 | -3 1/2" | -6'-11 1/2" | 6'-11 1/2" |
| 4 | 0" | -11 1/2" | 11 1/2" |
| 5 | 3'-5 1/2" | -3'-0 1/2" | 4'-7" |
| 6 | 3'-6" | 11 1/2" | 3'-7 1/2" |
| 7 | 6'-2 1/2" | 6'-9 1/2" | 9'-2 1/2" |
| 8 | 6'-8" | -51'-9 1/2" | 52'-2 1/2" |
| 9 | 6'-8" | -40'-3 1/2" | 40'-10" |
| 10 | 6'-8" | -28'-9 1/2" | 29'-6 1/2" |
| 11 | 6'-8" | -17'-3 1/2" | 18'-6 1/2" |
| 12 | 6'-10 1/2" | -7'-4 1/2" | 10'-1" |
| 13 | 7'-1 1/2" | -3'-0 1/2" | 7'-9" |
| 14 | 7'-2 1/2" | 11 1/2" | 7'-3" |
| 15 | 10'-4 1/2" | -5'-6 1/2" | 11'-9" |
| 16 | 10'-7" | -5'-1 1/2" | 11'-9" |
| 17 | 10'-7 1/2" | -1'-1 1/2" | 10'-8" |
| 18 | 10'-8" | 2'-10 1/2" | 11'-1" |
| 19 | 14'-1" | -3'-1 1/2" | 14'-5" |
| 20 | 14'-1 1/2" | 10 1/2" | 14'-1 1/2" |
| 21 | 14'-11" | 8'-7 1/2" | 17'-2 1/2" |
| 22 | 15'-11" | 13'-1 1/2" | 20'-8" |
| 23 | 18'-8 1/2" | 3'-5 1/2" | 19'-0 1/2" |
| 24 | 19'-4" | 5'-8 1/2" | 20'-2" |
| 25 | 20'-3" | 8'-3 1/2" | 21'-10 1/2" |
| 26 | 20'-10 1/2" | 2'-9 1/2" | 21'-1" |
| 27 | 21'-3" | 12'-9 1/2" | 24'-10" |
| 28 | 22'-0 1/2" | -3'-2 1/2" | 22'-3 1/2" |
| 29 | 22'-1 1/2" | 9 1/2" | 22'-1 1/2" |
| 30 | 22'-2" | 4'-9 1/2" | 22'-8" |
| 31 | 23'-1" | -14'-5 1/2" | 27'-3" |
| 32 | 25'-3" | 9'-10 1/2" | 27'-1" |
| 33 | 25'-6" | -5'-3 1/2" | 26'-0 1/2" |
| 34 | 25'-6 1/2" | -1'-3 1/2" | 25'-7" |
| 35 | 25'-7 1/2" | 2'-8 1/2" | 25'-9" |
| 36 | 26'-3" | 9'-3 1/2" | 27'-10" |
| 37 | 27'-8" | 8'-5 1/2" | 28'-11" |
| 38 | 28'-8" | 7'-10 1/2" | 29'-9" |
| 39 | 29' | -3'-4 1/2" | 29'-2" |
| 40 | 29'-0 1/2" | 7 1/2" | 29'-0 1/2" |
| 41 | 32'-3" | 6'-0 1/2" | 32'-9 1/2" |
| 42 | 37' | -3'-5 1/2" | 37'-2" |
| 43 | 37'-0 1/2" | 6 1/2" | 37'-0 1/2" |
| 44 | 47'-8" | -23'-10 1/2" | 53'-3 1/2" |
| 45 | 47'-8" | -21'-1 1/2" | 52'-1 1/2" |
| 46 | 49'-5" | -23'-10 1/2" | 54'-10 1/2" |
| 47 | 56'-1" | 1'-1 1/2" | 56'-1 1/2" |
| 48 | 60'-0 1/2" | -25'-8 1/2" | 65'-3 1/2" |
| 49 | 62'-3 1/2" | -14'-0 1/2" | 63'-10" |
| 50 | 63'-11 1/2" | 9'-11 1/2" | 64'-8 1/2" |
| 51 | 64'-10" | -11'-9 1/2" | 65'-10 1/2" |
| 52 | 64'-11 1/2" | -17'-0 1/2" | 67'-2" |
| 53 | 67'-6" | -14'-9 1/2" | 69'-1" |
| 54 | 67'-6" | 2'-5 1/2" | 67'-6 1/2" |
| 55 | 67'-8" | -1'-2 1/2" | 67'-8" |
| 56 | 70'-11" | -7'-4 1/2" | 71'-3 1/2" |
| 57 | 70'-11 1/2" | -23'-1 1/2" | 74'-7 1/2" |
| 58 | 74'-3 1/2" | 2'-8 1/2" | 74'-4" |
| 59 | 74'-5" | -10 1/2" | 74'-5" |
| 60 | 77'-9 1/2" | -17'-0 1/2" | 79'-7 1/2" |
| 61 | 78'-3 1/2" | -10'-9 1/2" | 79' |
| 62 | 80'-2 1/2" | -11'-9 1/2" | 81'-0 1/2" |
| 63 | 80'-10 1/2" | -6'-0 1/2" | 81'-1" |
| 64 | 82'-9 1/2" | -7'-1 1/2" | 83'-1" |

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

| FOOTINGS TABLE | | | |
|---|---|---|---|
| TYPE | DIAMETER/SIDE | DEPTH | QTY. |
| A | 1'-6" [45.72cm] | 2'-6" [76.20cm] | 29 |
| B | 1'-2" [35.56cm] | 2'-6" [76.20cm] | 11 |
| C | 2'-0" [60.96cm] | 4'-0" [121.92cm] | 8 |

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
3535 Village at the Park
Camarillo, CA 93012

Play & Park Structures

This play equipment is recommended for children ages:
2-5 or 5-12

Minimum Area Required:
Per Site

Scale: 3/16"=1'-0"
This drawing can be scaled only when in an 24" x 36" format

Drawn By:
Cassie Pruitt
Date:
2/11/26
Quote Number:
821-174675F

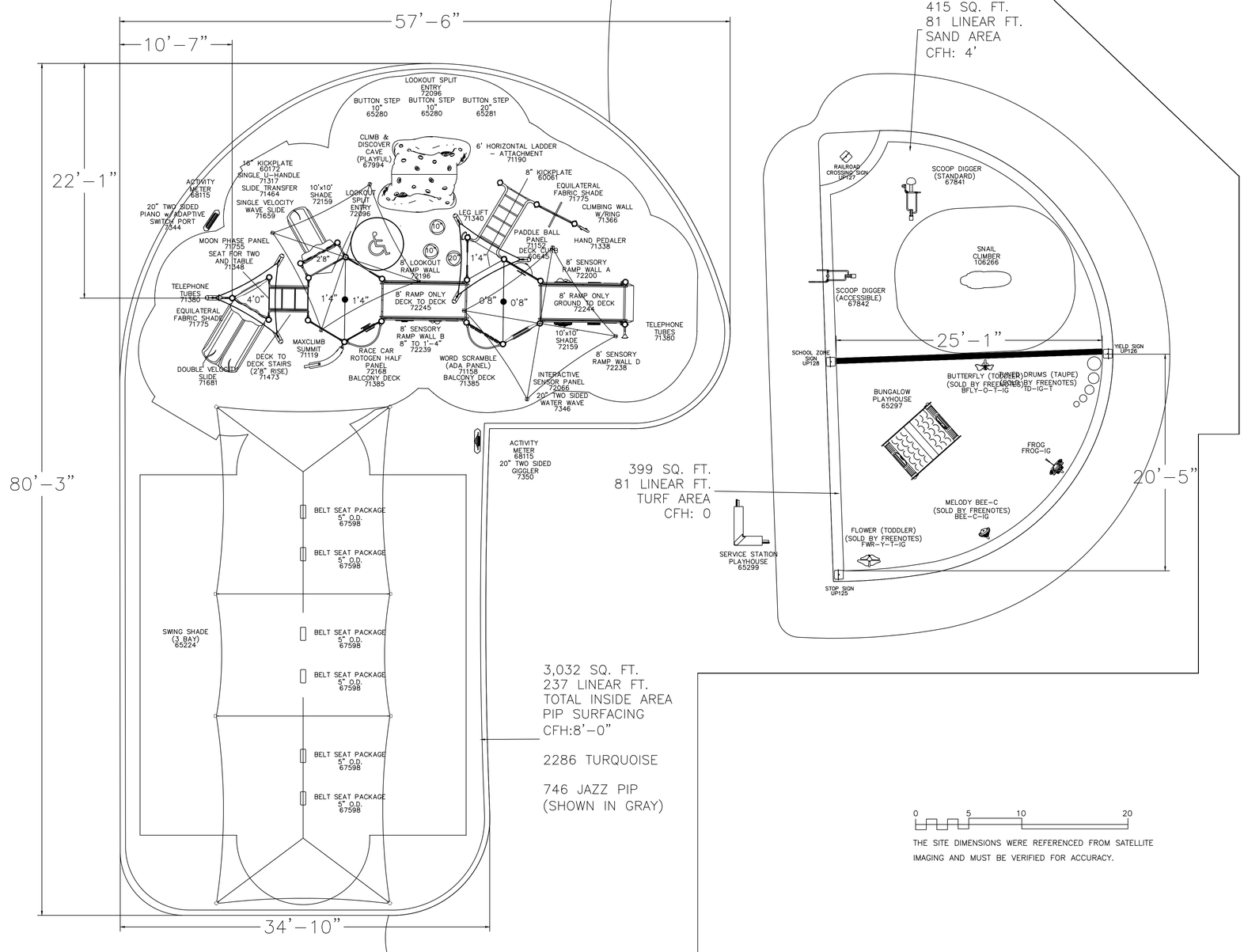
play&park structures
A PLAYCORE Company
544 Chestnut Street
Chattanooga, TN 37402
800-727-1907 / www.playandpark.com

| | | | | |
|---|---|---|---|---|
| Total Play Components | 44 | | | User Capacity |
| Elevated Play Components | 9 | | | 150-160 |
| Elevated Play Components Accessible by Ramp | 6 | Req. | 0 | Critical Fall Height |
| Elevated Components Accessible by Transfer | 6 | Req. | 5 | 8'-0" |
| Accessible Ground Level Components Shown | 35 | Req. | 3 | |
| Different Types of Ground Level Components | 5 | Req. | 2 | |

SUPERmax PLAY SYSTEMS
BigToys
ultraPLAY
A PLAYCORE Company

Order 6441617

ISO 9001 CERTIFIED




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
3535 Village at the Park
Camarillo, CA 93012

Play & Park Structures

This play equipment is recommended for children ages:
2-5 or 5-12

Minimum Area Required:
Per Site

Scale: 3/16"=1'-0"
This drawing can be scaled only when in an 24" x 36" format

Drawn By:
Cassie Pruitt
Date:
2/11/26
Quote Number:
821-174675F

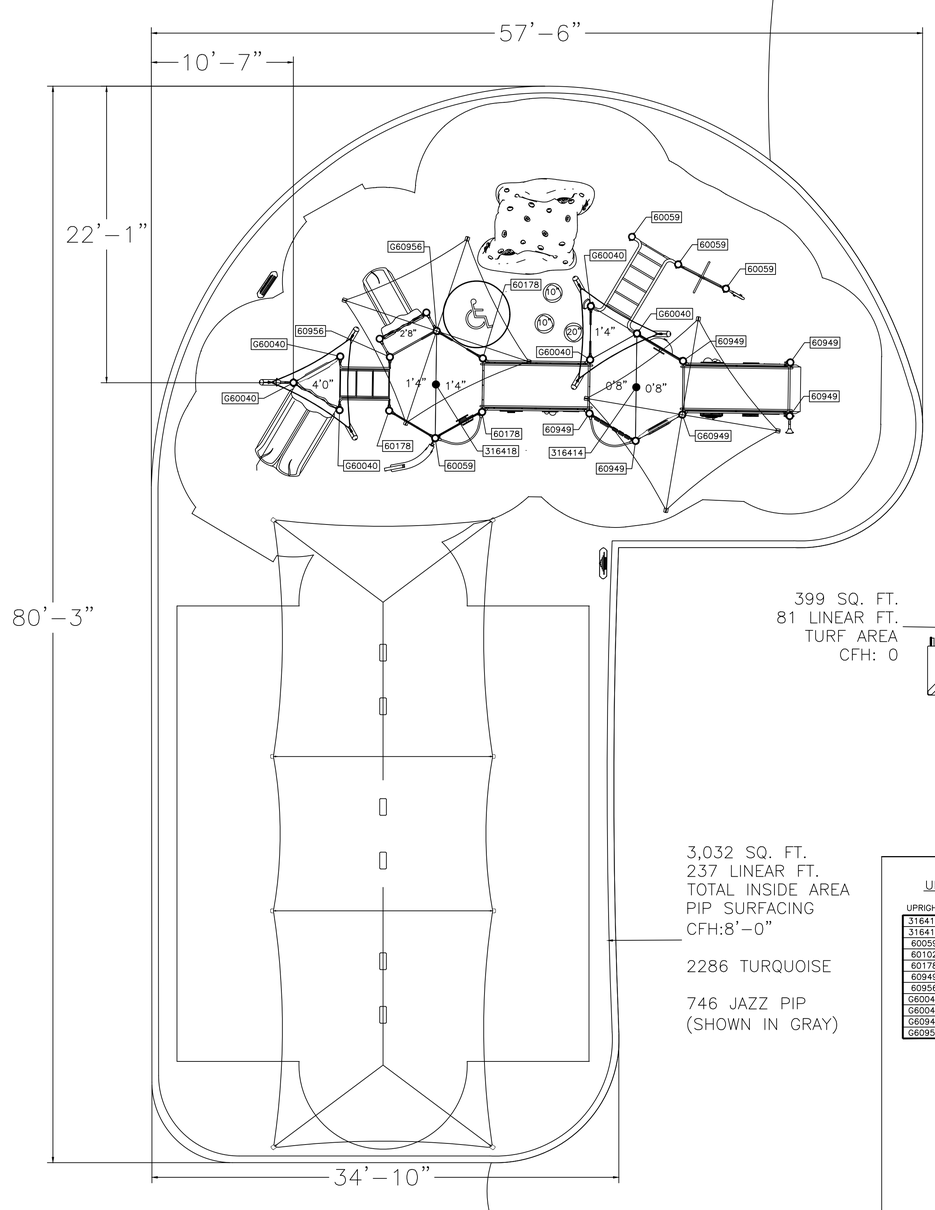
play&park structures
A PLAYCORE Company
544 Chestnut Street
Chattanooga, TN 37402
800-727-1907 / www.playandpark.com

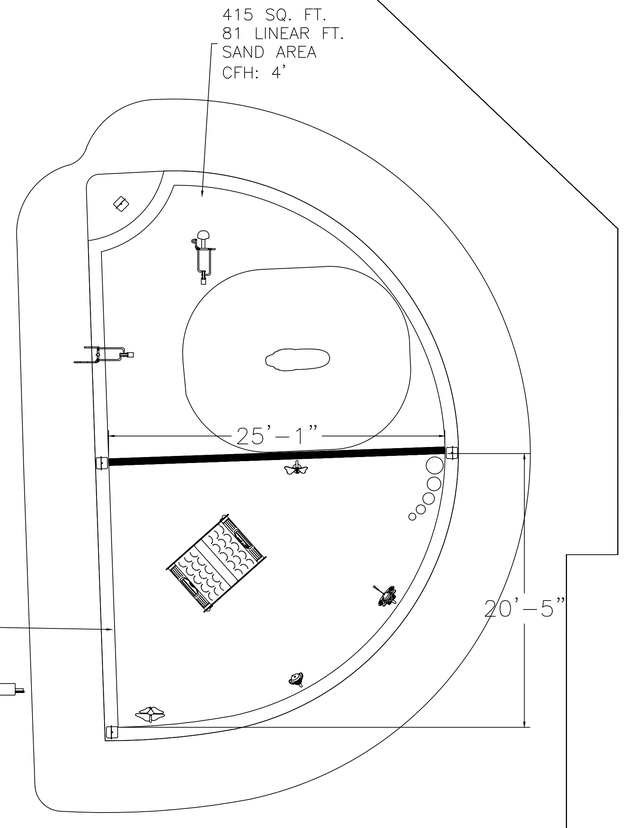
| | | | | |
|---|---|---|---|---|
| Total Play Components | 44 | | | User Capacity |
| Elevated Play Components | 9 | | | 150-160 |
| Elevated Play Components Accessible by Ramp | 6 | Req. | 0 | Critical Fall Height |
| Elevated Components Accessible by Transfer | 6 | Req. | 5 | 8'-0" |
| Accessible Ground Level Components Shown | 35 | Req. | 3 | |
| Different Types of Ground Level Components | 5 | Req. | 2 | |

SUPERmax PLAY SYSTEMS
BigToys
ultraPLAY
A PLAYCORE Company

Order 6441617

ISO 9001 CERTIFIED




3,032 SQ. FT.
237 LINEAR FT.
TOTAL INSIDE AREA
PIP SURFACING
CFH:8'–0"

2286 TURQUOISE

746 JAZZ PIP
(SHOWN IN GRAY)

UPRIGHT INFORMATION

| UPRIGHT | DESCRIPTION |
|---|---|
| 316414 | 37.625" ALUM FLAT CAP UPRIGHT |
| 316418 | 45.625" ALUM FLAT CAP UPRIGHT |
| 60059 | 10' GENERIC UPRIGHT w/CAP |
| 60102 | 6' GENERIC UPRIGHT w/CAP |
| 60178 | 8' GENERIC UPRIGHT w/CAP |
| 60949 | 7' GENERIC UPRIGHT w/CAP |
| 60956 | 9' GENERIC UPRIGHT w/CAP |
| G60040 | 11' GENERIC UPRIGHT wo/CAP |
| G60042 | 14' GENERIC UPRIGHT wo/CAP |
| G60949 | 7' GENERIC UPRIGHT w/CAP |
| G60956 | 9' GENERIC UPRIGHT w/CAP |

0 5 10 20

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

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.